

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072619\
 Data File : VN056929.D
 Acq On : 25 Jul 2019 19:18
 Operator : JC/SP
 Sample : K3591-07 0.5PPB LOD
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2019

Manual Integrations
 APPROVED

MMDadoda
 7/26/2019 3:37:22 PM

Quant Time: Jul 26 05:31:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072619W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 26 05:13:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	436962	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	667585	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	550713	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	147495	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	240870	53.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.54%	
35) Dibromofluoromethane	7.58	113	213971	50.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.46%	
50) Toluene-d8	10.08	98	786097	48.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.20%	
62) 4-Bromofluorobenzene	12.40	95	202353	38.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	76.64%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.84	85	2049	0.435	ug/l	99
3) Chloromethane	2.05	50	3508	0.623	ug/l	91
4) Vinyl Chloride	2.18	62	2851	0.538	ug/l	96
5) Bromomethane	2.55	94	4041	1.260	ug/l	89
6) Chloroethane	2.69	64	1458	0.495	ug/l #	44
7) Trichlorofluoromethane	3.00	101	3678	0.532	ug/l	92
8) Diethyl Ether	3.40	74	1205	0.466	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	2678	0.631	ug/l #	50
10) Methyl Iodide	3.94	142	2888m	0.463	ug/l	
11) Tert butyl alcohol	4.73	59	6353m	9.740	ug/l	
12) 1,1-Dichloroethene	3.72	96	2243	0.547	ug/l	82
13) Acrolein	3.60	56	931	2.547	ug/l #	68
14) Allyl chloride	4.31	41	3367	0.506	ug/l #	74
15) Acrylonitrile	4.99	53	4437	2.364	ug/l #	71
16) Acetone	3.81	43	4535	2.937	ug/l	100
17) Carbon Disulfide	4.04	76	6510	0.589	ug/l	99
18) Methyl Acetate	4.31	43	3972m	0.735	ug/l	
19) Methyl tert-butyl Ether	5.03	73	6094m	0.505	ug/l	
20) Methylene Chloride	4.53	84	3581m	0.732	ug/l	
21) trans-1,2-Dichloroethene	5.02	96	2328	0.531	ug/l #	76
22) Diisopropyl ether	5.94	45	6786	0.501	ug/l	95
23) Vinyl Acetate	5.88	43	17004	1.822	ug/l	97
24) 1,1-Dichloroethane	5.83	63	3926m	0.493	ug/l	
25) 2-Butanone	6.83	43	5935	2.497	ug/l	98
26) 2,2-Dichloropropane	6.81	77	3093	0.529	ug/l #	66
27) cis-1,2-Dichloroethene	6.82	96	2434	0.486	ug/l	63
28) Bromochloromethane	7.18	49	1918	0.522	ug/l #	96
29) Tetrahydrofuran	7.20	42	4200	2.697	ug/l #	79
30) Chloroform	7.36	83	5184	0.632	ug/l	89
31) Cyclohexane	7.65	56	10226	1.320	ug/l #	1
32) 1,1,1-Trichloroethane	7.55	97	3528	0.537	ug/l #	49
36) 1,1-Dichloropropene	7.78	75	3104	0.509	ug/l	93
37) Ethyl Acetate	6.91	43	2190m	0.443	ug/l	
38) Carbon Tetrachloride	7.76	117	3105	0.535	ug/l	95

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	4201	0.565	ug/l	95
40) Benzene	8.03	78	10996	0.578	ug/l	92
41) Methacrylonitrile	7.17	41	1428	0.657	ug/l #	100
42) 1,2-Dichloroethane	8.11	62	3710	0.631	ug/l	86
43) Isopropyl Acetate	8.16	43	3925	0.482	ug/l #	67
44) Trichloroethene	8.83	130	2698m	0.520	ug/l	
45) 1,2-Dichloropropane	9.10	63	2657	0.519	ug/l	89
46) Dibromomethane	9.19	93	1743	0.565	ug/l	90
47) Bromodichloromethane	9.39	83	3020	0.502	ug/l #	86
48) Methyl methacrylate	9.19	41	1740	0.445	ug/l #	87
49) 1,4-Dioxane	9.20	88	832	10.172	ug/l #	72
51) 4-Methyl-2-Pentanone	9.98	43	12281	2.539	ug/l	95
52) Toluene	10.15	92	6577	0.576	ug/l	93
53) t-1,3-Dichloropropene	10.37	75	2833	0.467	ug/l	97
54) cis-1,3-Dichloropropene	9.83	75	3356	0.470	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	2454	0.536	ug/l #	85
56) Ethyl methacrylate	10.43	69	2748	0.447	ug/l #	91
57) 1,3-Dichloropropane	10.70	76	3709	0.495	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.69	63	5843	2.410	ug/l #	85
59) 2-Hexanone	10.74	43	7577	2.285	ug/l	94
60) Dibromochloromethane	10.89	129	2237	0.481	ug/l #	55
61) 1,2-Dibromoethane	10.99	107	2355	0.519	ug/l	88
64) Tetrachloroethene	10.62	164	3008	0.598	ug/l #	89
65) Chlorobenzene	11.43	112	6240	0.542	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.50	131	2433	0.568	ug/l #	60
67) Ethyl Benzene	11.50	91	10070	0.508	ug/l	100
68) m/p-Xylenes	11.62	106	7419	1.003	ug/l	98
69) o-Xylene	11.94	106	3325	0.459	ug/l	100
70) Styrene	11.96	104	4931	0.430	ug/l	98
71) Bromoform	12.12	173	1327	0.446	ug/l #	90
73) Isopropylbenzene	12.24	105	9191	0.685	ug/l	98
74) N-amyl acetate	12.06	43	2666	0.677	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.50	83	2560	0.662	ug/l #	91
76) 1,2,3-Trichloropropane	12.54	75	2495m	0.845	ug/l	
77) Bromobenzene	12.52	156	2380	0.694	ug/l	94
78) n-propylbenzene	12.59	91	9101	0.642	ug/l	97
79) 2-Chlorotoluene	12.67	91	6163	0.698	ug/l	95
80) 1,3,5-Trimethylbenzene	12.73	105	7587	0.684	ug/l	93
81) trans-1,4-Dichloro-2-buten	12.29	75	478m	0.510	ug/l	
82) 4-Chlorotoluene	12.77	91	5110	0.630	ug/l	95
83) tert-Butylbenzene	12.99	119	8023	0.821	ug/l	92
84) 1,2,4-Trimethylbenzene	13.03	105	6630	0.632	ug/l	100
85) sec-Butylbenzene	13.17	105	7965	0.645	ug/l	99
86) p-Isopropyltoluene	13.28	119	7369	0.675	ug/l	94
87) 1,3-Dichlorobenzene	13.28	146	3049	0.594	ug/l	92
88) 1,4-Dichlorobenzene	13.36	146	3492m	0.711	ug/l	
89) n-Butylbenzene	13.61	91	4825	0.572	ug/l	90
90) Hexachloroethane	13.87	117	1045	0.541	ug/l	93
91) 1,2-Dichlorobenzene	13.65	146	3442	0.662	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	14.27	75	204	0.386	ug/l	84

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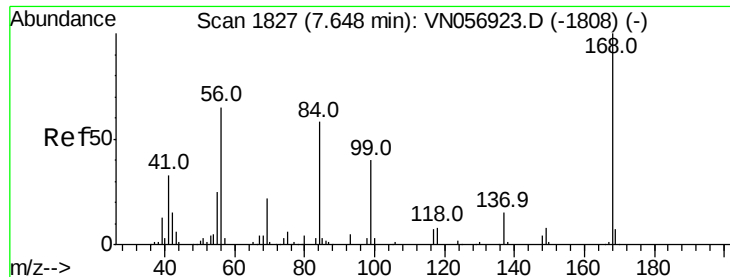
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	1152	0.536	ug/l	92
94) Hexachlorobutadiene	15.00	225	1694	0.807	ug/l	94
95) Naphthalene	15.12	128	2800	0.516	ug/l #	78
96) 1,2,3-Trichlorobenzene	15.29	180	1472	0.631	ug/l	88

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

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Acq: 25 Jul 2019 19:18

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT3-2019

Tot Ion:168 Resp: 436962

Ion Ratio Lower Upper

168 100

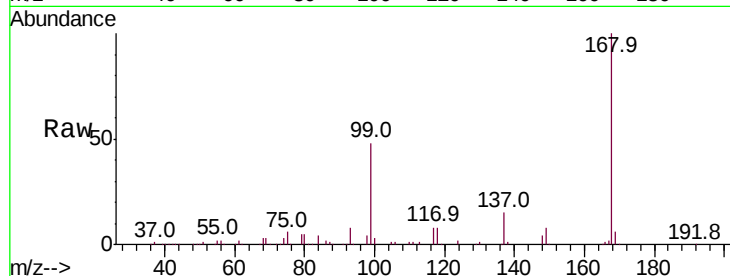
99 47.7 38.6 58.0

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.65

200000

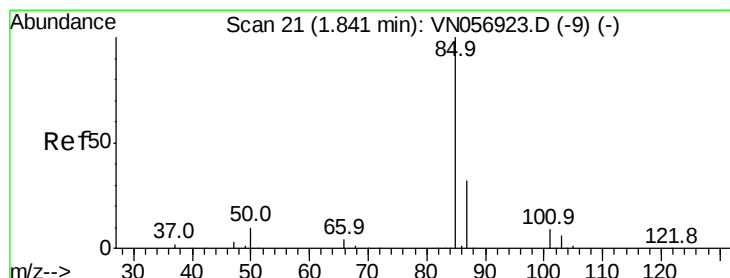
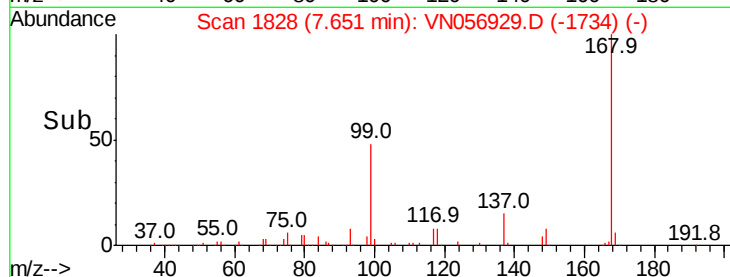
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100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 0.435 ug/l

RT: 1.84 min Scan# 21

Delta R.T. -0.00 min

Lab File: VN056929.D

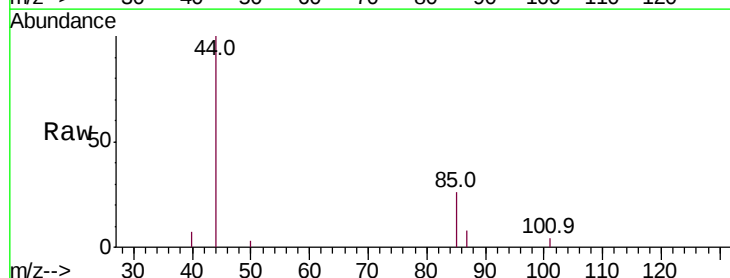
Acq: 25 Jul 2019 19:18

Tgt Ion: 85 Resp: 2049

Ion Ratio Lower Upper

85 100

87 31.5 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.84

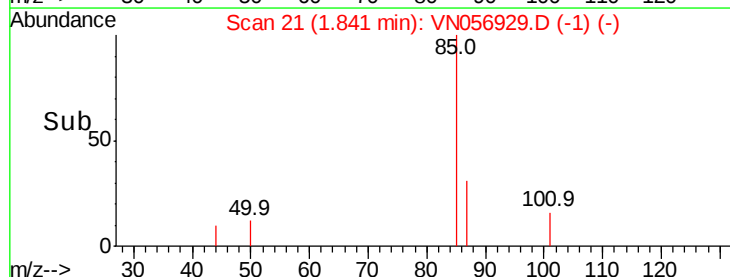
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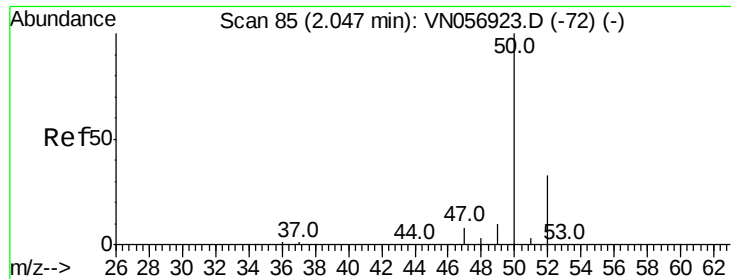
1000

500

0

Time-->





#3

Chloromethane

Concen: 0.623 ug/l

RT: 2.05 min Scan# 85

Delta R.T. -0.00 min

Lab File: VN056929.D

Acq: 25 Jul 2019 19:18

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT3-2019

Tot Ion: 50 Resp: 3508

Ion Ratio Lower Upper

50 100

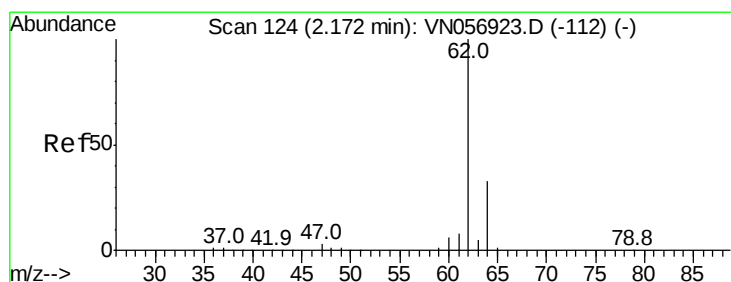
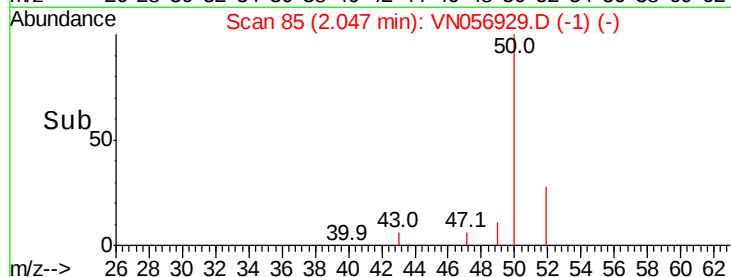
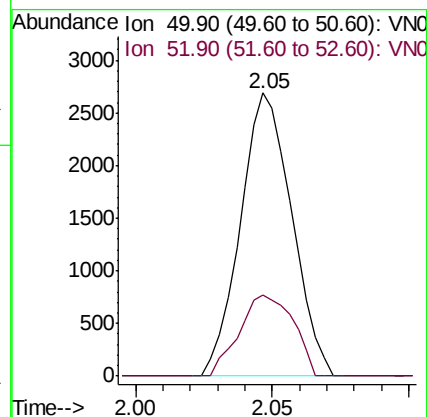
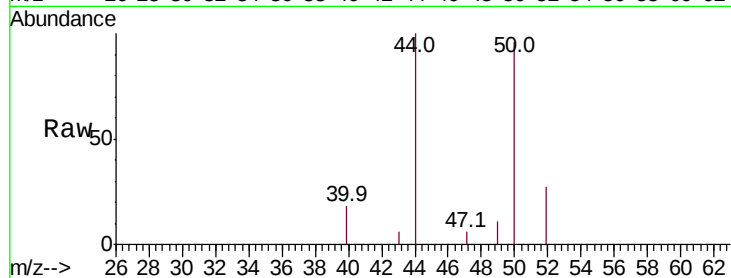
52 28.4 26.8 40.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 0.538 ug/l

RT: 2.18 min Scan# 125

Delta R.T. 0.00 min

Lab File: VN056929.D

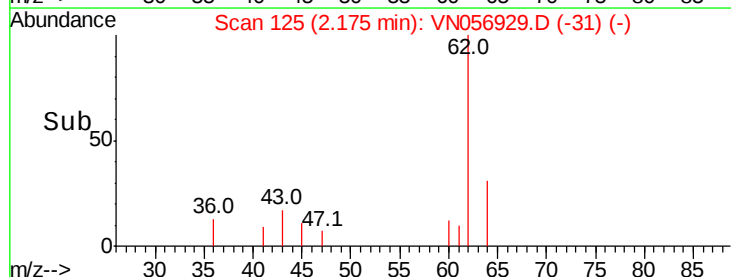
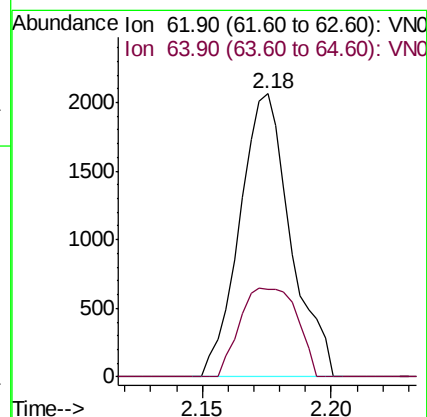
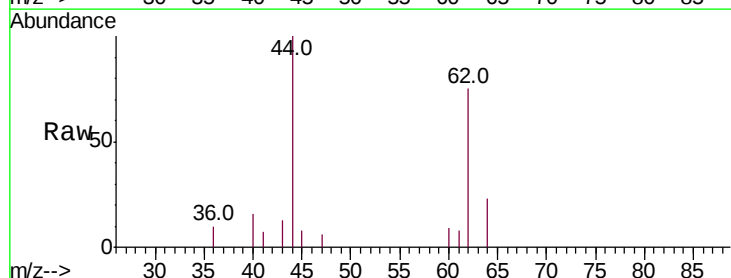
Acq: 25 Jul 2019 19:18

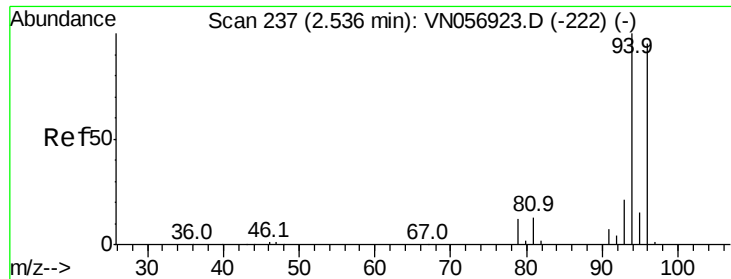
Tgt Ion: 62 Resp: 2851

Ion Ratio Lower Upper

62 100

64 30.7 26.4 39.6





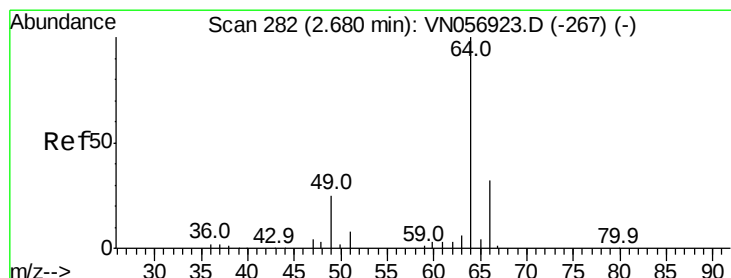
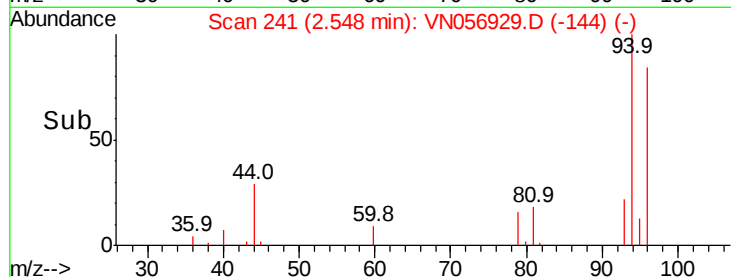
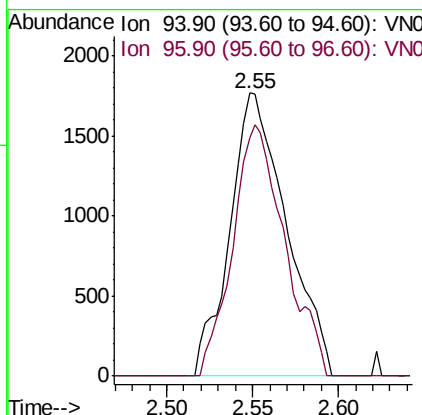
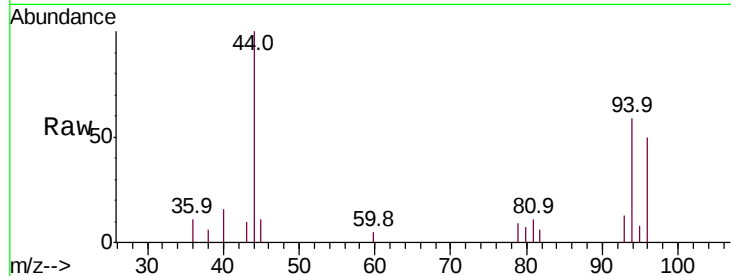
#5
Bromomethane
Concen: 1.260 ug/l
RT: 2.55 min Scan# 241
Delta R.T. 0.01 min
Lab File: VN056929.D
Acq: 25 Jul 2019 19:18

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Tot Ion: 94 Resp: 4041
Ion Ratio Lower Upper
94 100
96 84.2 75.7 113.5

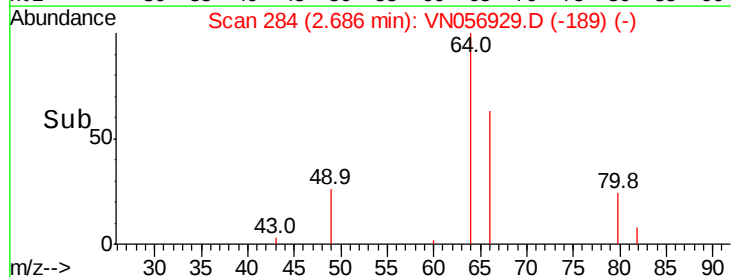
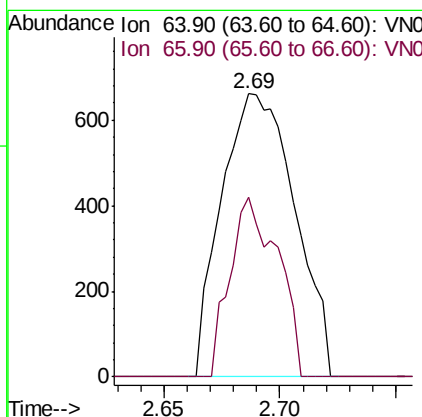
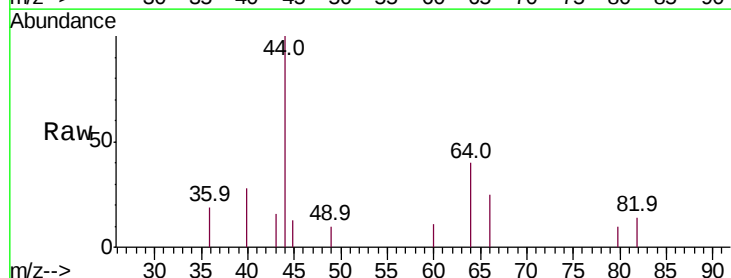
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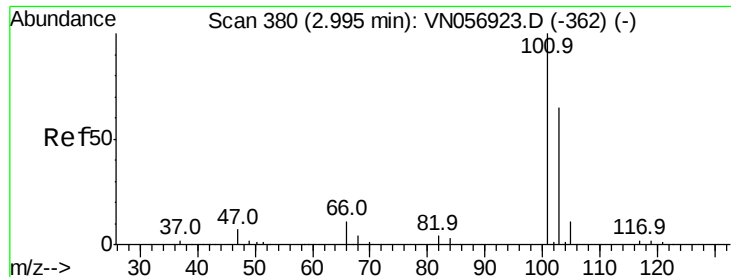
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#6
Chloroethane
Concen: 0.495 ug/l
RT: 2.69 min Scan# 284
Delta R.T. 0.01 min
Lab File: VN056929.D
Acq: 25 Jul 2019 19:18

Tgt Ion: 64 Resp: 1458
Ion Ratio Lower Upper
64 100
66 63.3 25.8 38.6#





#7

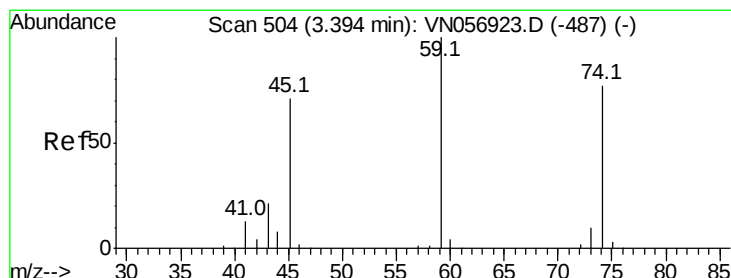
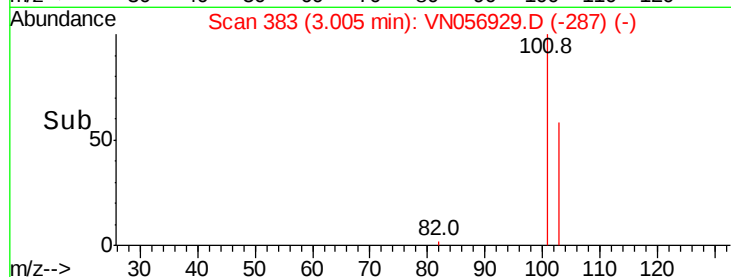
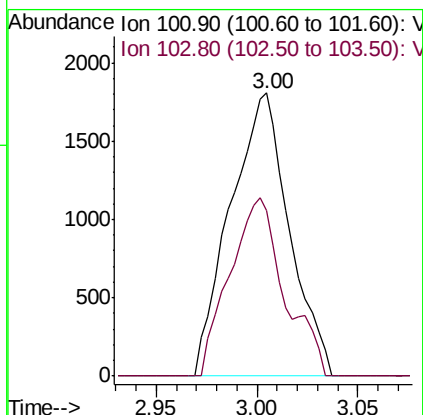
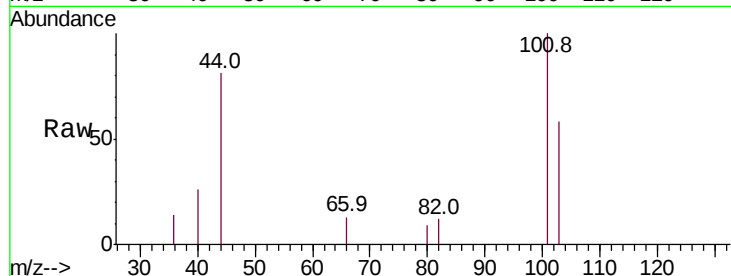
Trichlorofluoromethane
Concen: 0.532 ug/l
RT: 3.00 min Scan# 383
Delta R.T. 0.01 min
Lab File: VN056929.D
Acq: 25 Jul 2019 19:18

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MSVOA_N
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LOD-MDL-WATER-01-QT3-2019

Tot Ion:101 Resp: 3678
Ion Ratio Lower Upper
101 100
103 58.4 52.0 78.0

Manual Integrations
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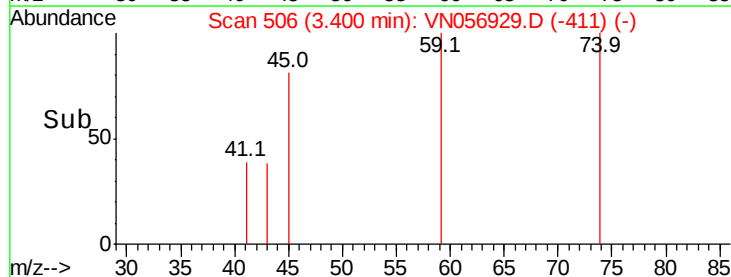
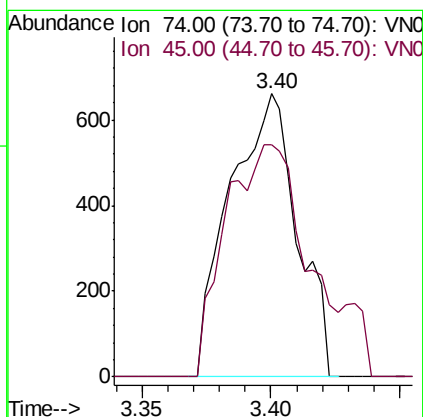
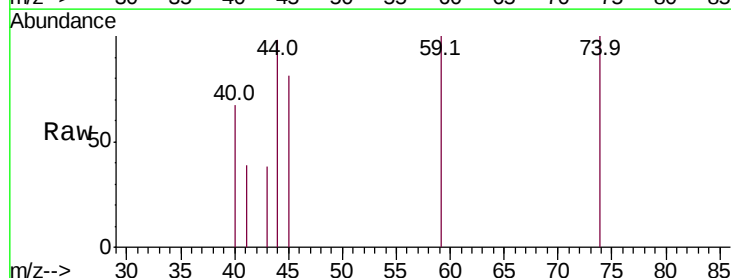
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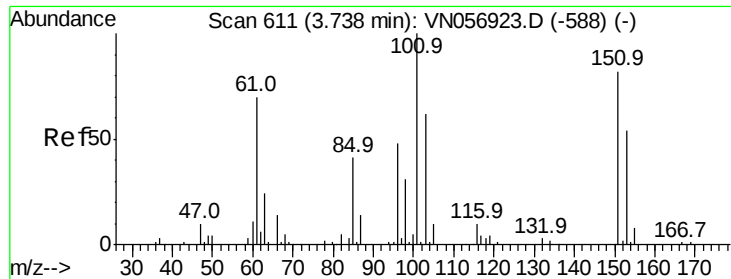


#8

Diethyl Ether
Concen: 0.466 ug/l
RT: 3.40 min Scan# 506
Delta R.T. 0.01 min
Lab File: VN056929.D
Acq: 25 Jul 2019 19:18

Tgt Ion: 74 Resp: 1205
Ion Ratio Lower Upper
74 100
45 97.1 48.1 144.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.631 ug/l

RT: 3.74 min Scan# 613

Delta R.T. 0.01 min

Lab File: VN056929.D

Acq: 25 Jul 2019 19:18

Instrument :

MSVOA_N

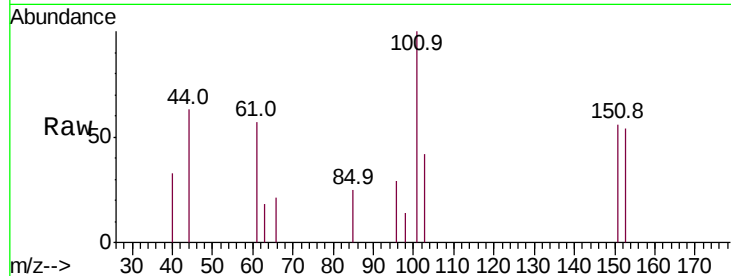
ClientSampleId :

LOD-MDL-WATER-01-QT3-2019

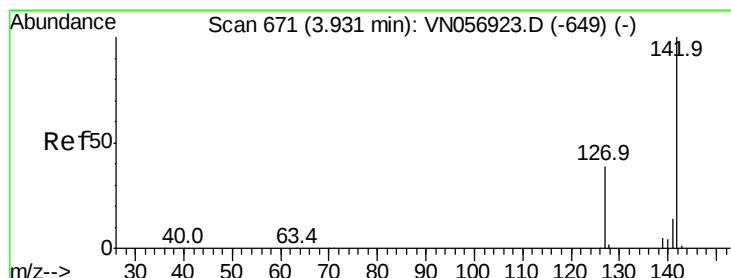
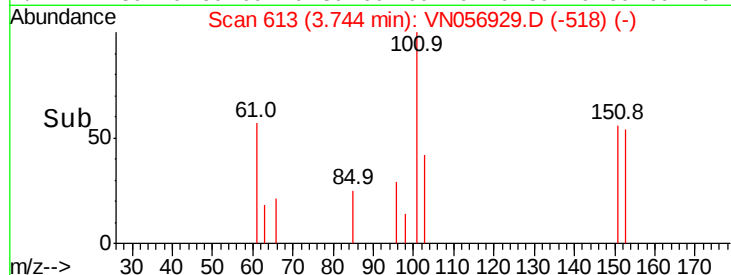
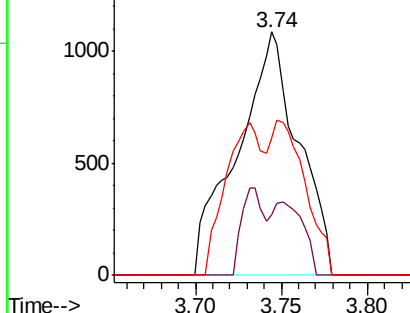
Tot Ion:	101	Resp:	2678
Ion Ratio	Lower	Upper	
101	100		
85	13.6	32.7	49.1#
151	36.1	67.4	101.0#

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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 0.463 ug/l m

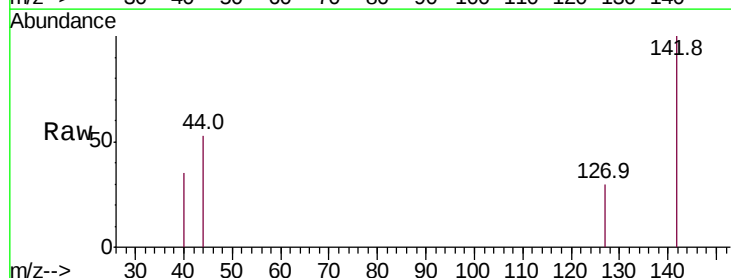
RT: 3.94 min Scan# 675

Delta R.T. 0.01 min

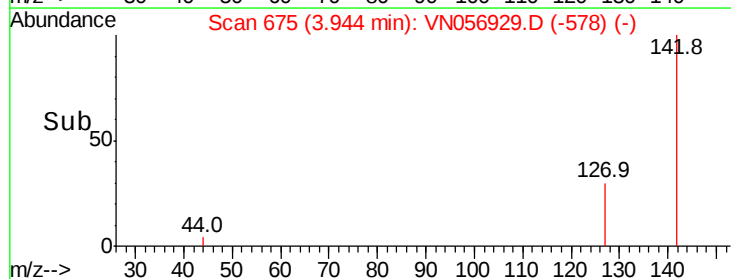
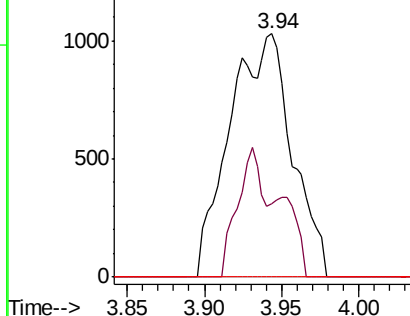
Lab File: VN056929.D

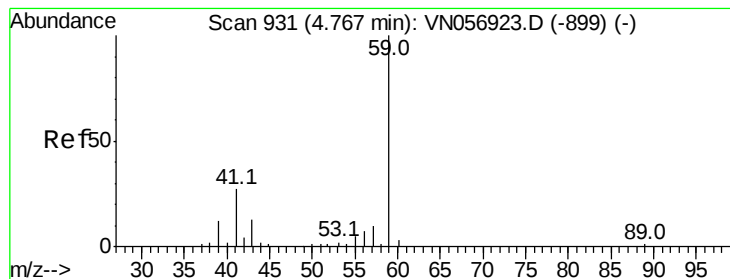
Acq: 25 Jul 2019 19:18

Tgt Ion:	142	Resp:	2888
Ion Ratio	Lower	Upper	
142	100		
127	21.5	30.5	45.7#
141	0.0	11.1	16.7#



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

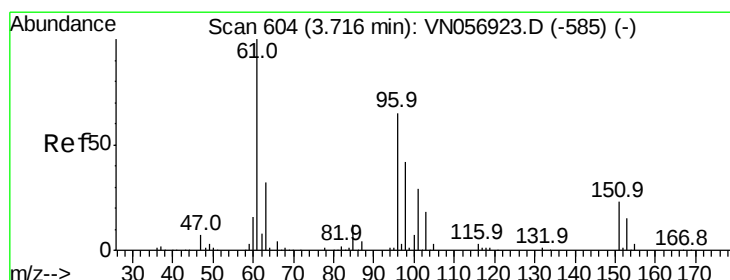
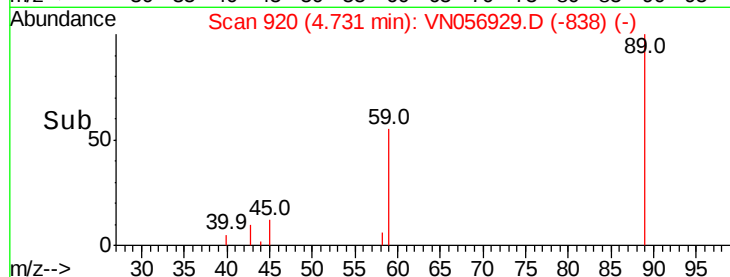
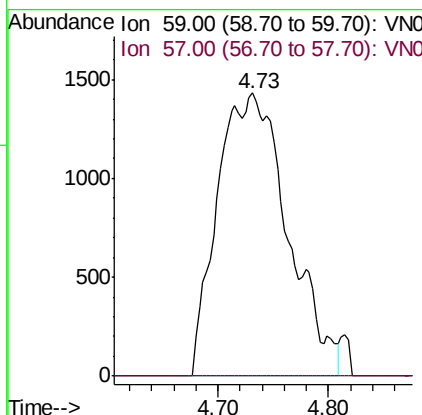
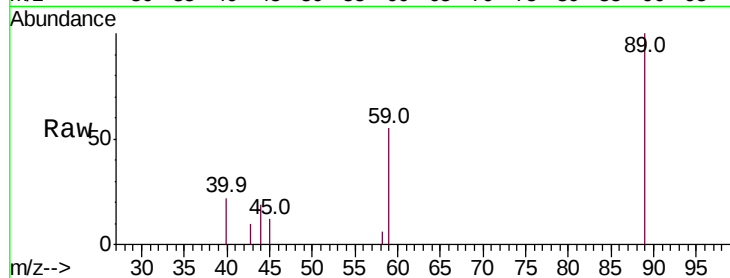
Tert butyl alcohol
Concen: 9.740 ug/l m
RT: 4.73 min Scan# 920
Delta R.T. -0.04 min
Lab File: VN056929.D
Acq: 25 Jul 2019 19:18

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2019

Tot Ion: 59 Resp: 6353
Ion Ratio Lower Upper
59 100
57 0.0 7.6 11.4#

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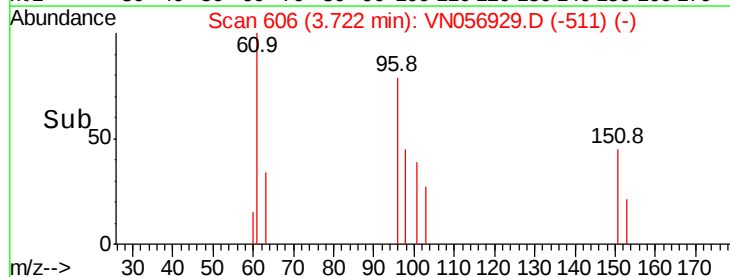
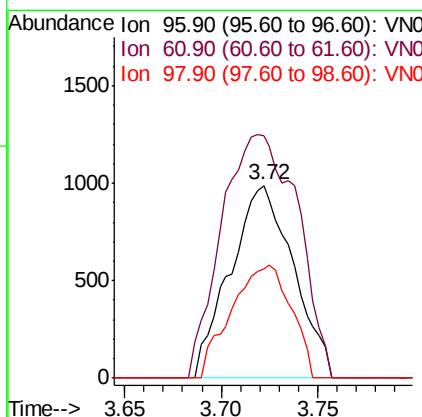
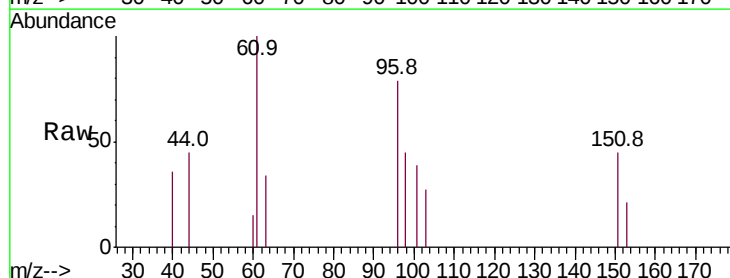
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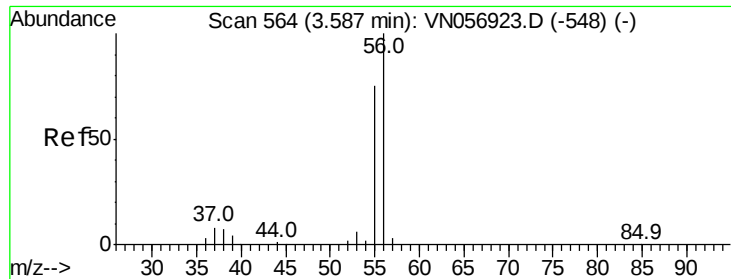


#12

1,1-Dichloroethene
Concen: 0.547 ug/l
RT: 3.72 min Scan# 606
Delta R.T. 0.01 min
Lab File: VN056929.D
Acq: 25 Jul 2019 19:18

Tgt Ion: 96 Resp: 2243
Ion Ratio Lower Upper
96 100
61 125.8 122.4 183.6
98 56.5 51.3 76.9





#13

Acrolein

Concen: 2.547 ug/l

RT: 3.60 min Scan# 567

Delta R.T. 0.01 min

Lab File: VN056929.D

Acq: 25 Jul 2019 19:18

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT3-2019

Tot Ion: 56 Resp: 931

Ion Ratio Lower Upper

56 100

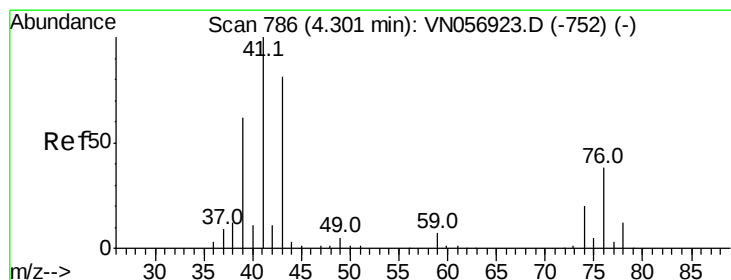
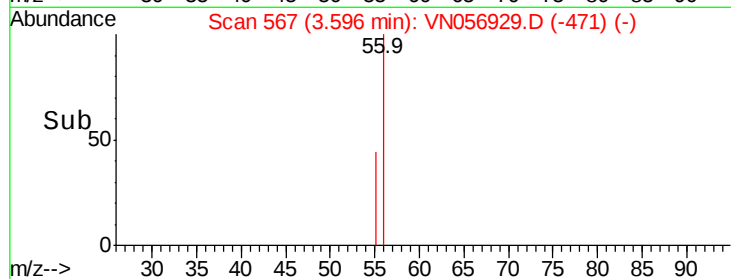
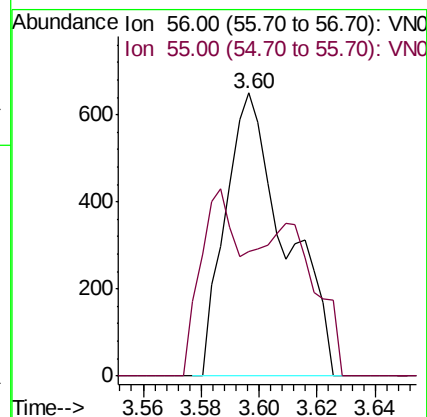
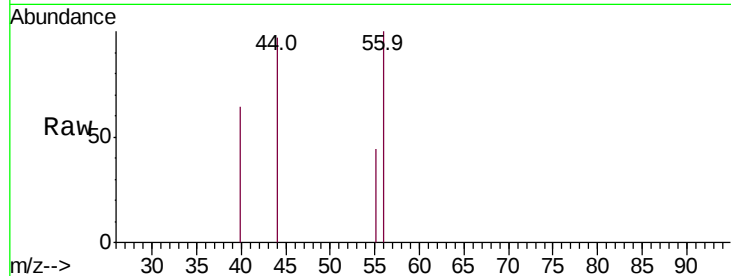
55 45.2 57.5 86.3#

Manual Integrations

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#14

Allyl chloride

Concen: 0.506 ug/l

RT: 4.31 min Scan# 788

Delta R.T. 0.01 min

Lab File: VN056929.D

Acq: 25 Jul 2019 19:18

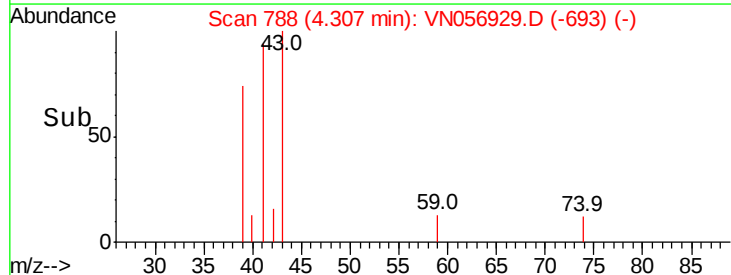
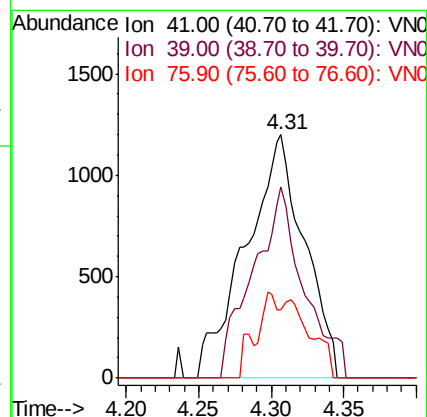
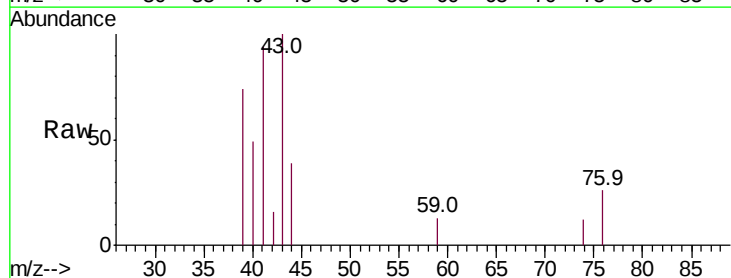
Tgt Ion: 41 Resp: 3367

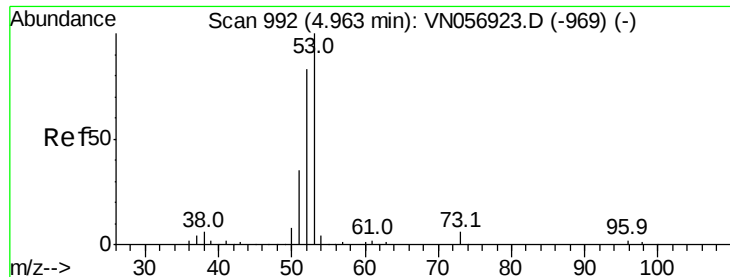
Ion Ratio Lower Upper

41 100

39 68.2 47.5 71.3

76 6.4 28.0 42.0#





#15

Acrylonitrile

Concen: 2.364 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.02 min

Lab File: VN056929.D

Acq: 25 Jul 2019 19:18

Instrument :

MSVOA_N

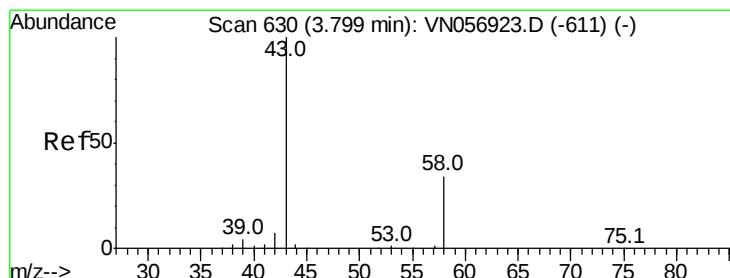
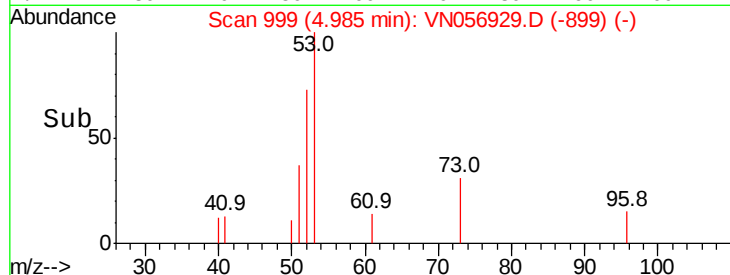
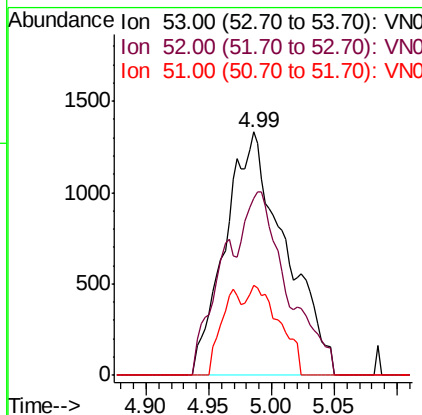
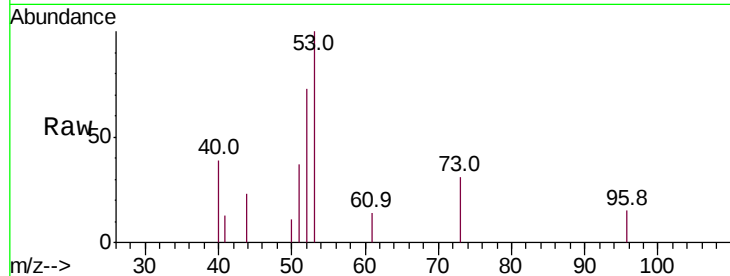
ClientSampleId :

LOD-MDL-WATER-01-QT3-2019

Tot Ion:	53	Resp:	4437
Ion	Ratio	Lower	Upper
53	100		
52	55.2	65.5	98.3#
51	19.1	28.1	42.1#

Manual Integrations
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#16

Acetone

Concen: 2.937 ug/l

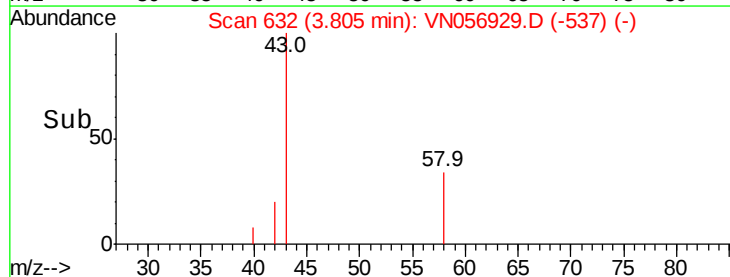
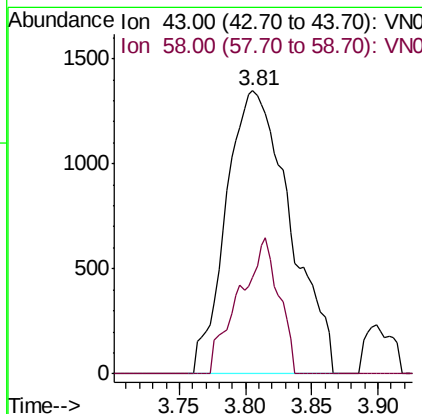
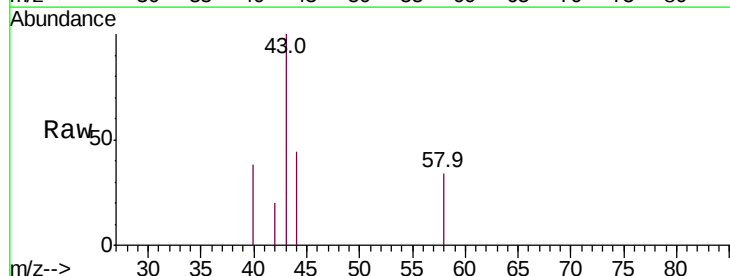
RT: 3.81 min Scan# 632

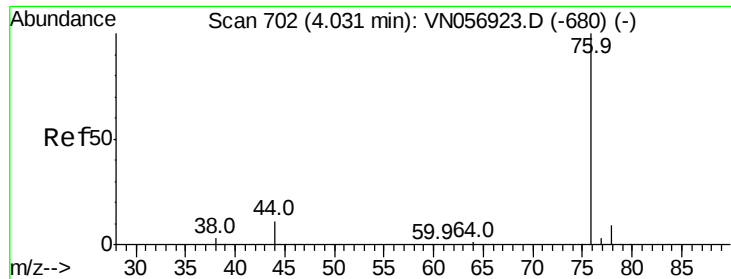
Delta R.T. 0.01 min

Lab File: VN056929.D

Acq: 25 Jul 2019 19:18

Tgt Ion:	43	Resp:	4535
Ion	Ratio	Lower	Upper
43	100		
58	33.9	27.3	40.9





#17

Carbon Disulfide

Concen: 0.589 ug/l

RT: 4.04 min Scan# 704

Delta R.T. 0.01 min

Lab File: VN056929.D

Acq: 25 Jul 2019 19:18

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT3-2019

Tot Ion: 76 Resp: 6510

Ion Ratio Lower Upper

76 100

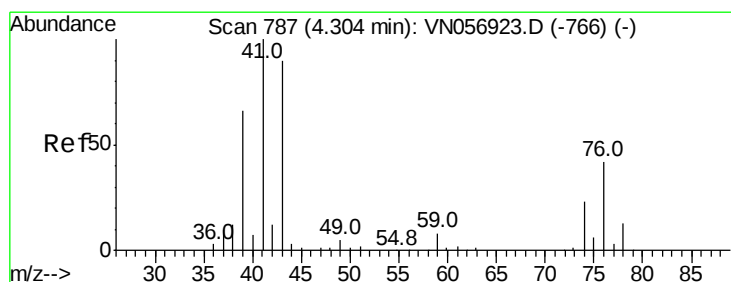
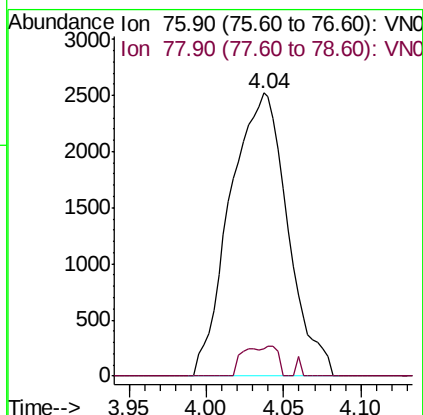
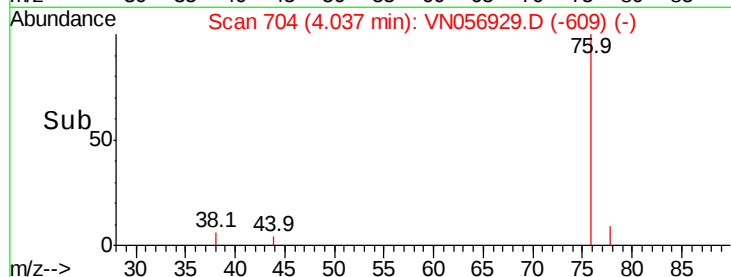
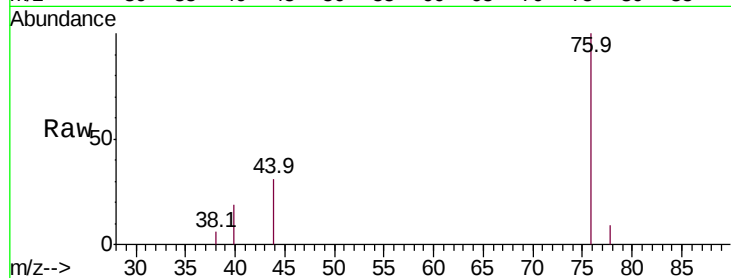
78 9.4 7.3 10.9

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#18

Methyl Acetate

Concen: 0.735 ug/l m

RT: 4.31 min Scan# 788

Delta R.T. 0.00 min

Lab File: VN056929.D

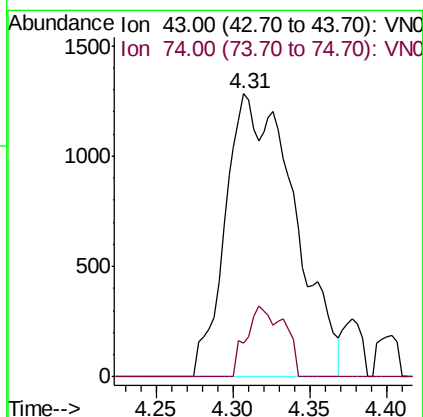
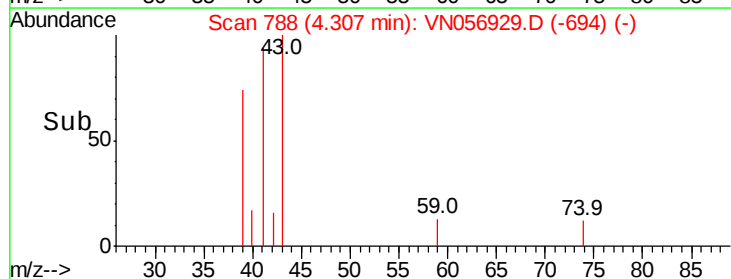
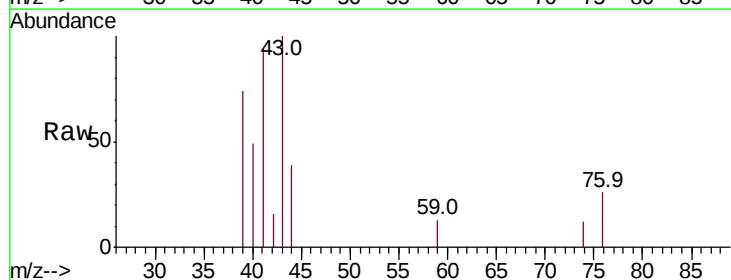
Acq: 25 Jul 2019 19:18

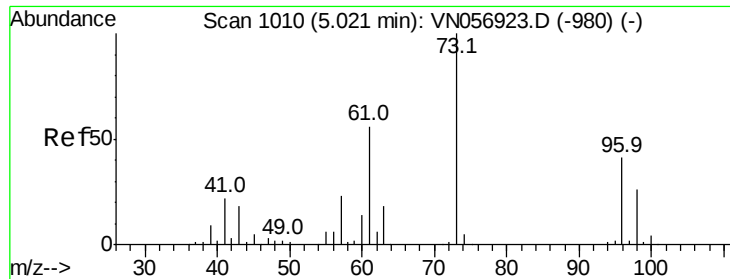
Tgt Ion: 43 Resp: 3972

Ion Ratio Lower Upper

43 100

74 13.7 19.4 29.0#





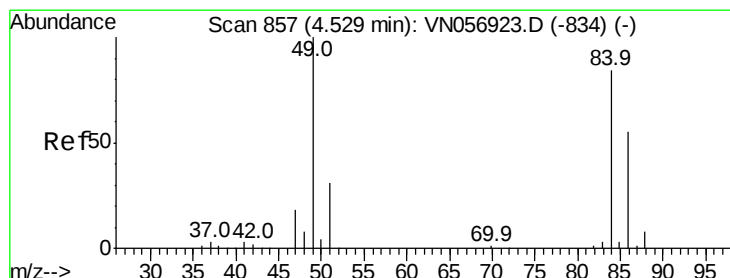
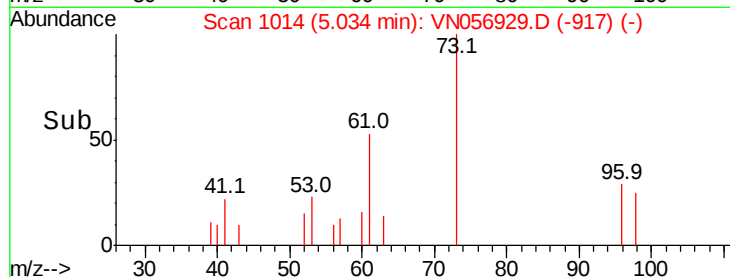
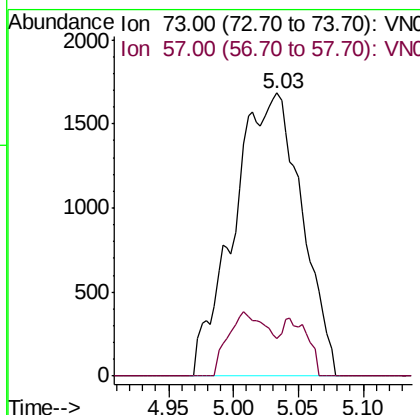
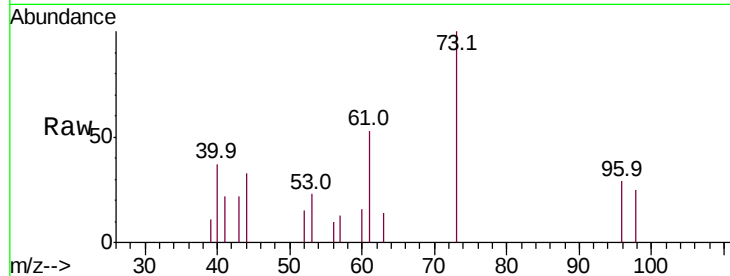
#19
Methvl tert-butvl Ether
Concen: 0.505 ug/l m
RT: 5.03 min Scan# 1014
Delta R.T. 0.01 min
Lab File: VN056929.D
Acq: 25 Jul 2019 19:18

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2019

Tot Ion: 73 Resp: 6094
Ion Ratio Lower Upper
73 100
57 13.1 18.2 27.4#

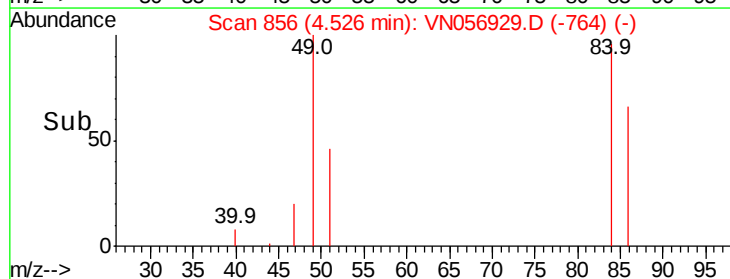
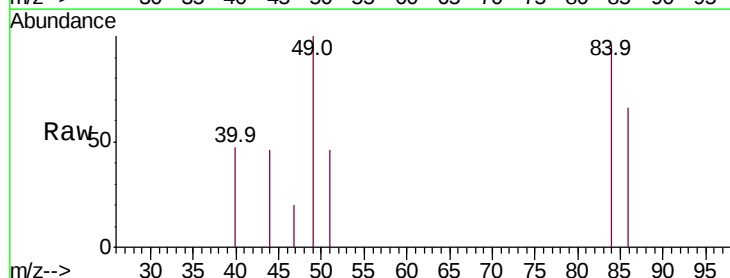
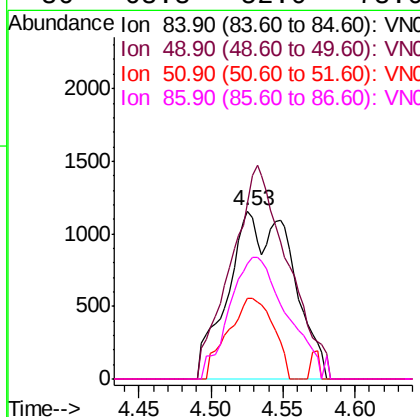
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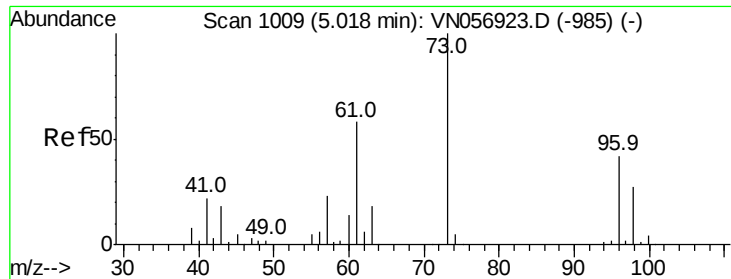
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#20
Methylene Chloride
Concen: 0.732 ug/l m
RT: 4.53 min Scan# 856
Delta R.T. -0.00 min
Lab File: VN056929.D
Acq: 25 Jul 2019 19:18

Tgt Ion: 84 Resp: 3581
Ion Ratio Lower Upper
84 100
49 104.0 95.0 142.6
51 47.6 29.8 44.8#
86 68.8 52.0 78.0





#21

trans-1,2-Dichloroethene

Concen: 0.531 ug/l

RT: 5.02 min Scan# 1009

Delta R.T. -0.00 min

Lab File: VN056929.D

Acq: 25 Jul 2019 19:18

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT3-2019

Tot Ion: 96 Resp: 2328

Ion Ratio Lower Upper

96 100

61 112.8 109.9 164.9

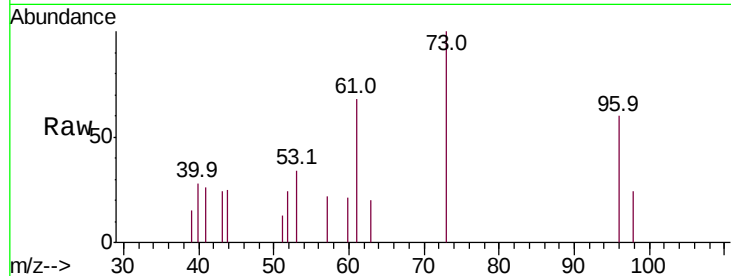
98 39.5 51.0 76.4#

Manual Integrations

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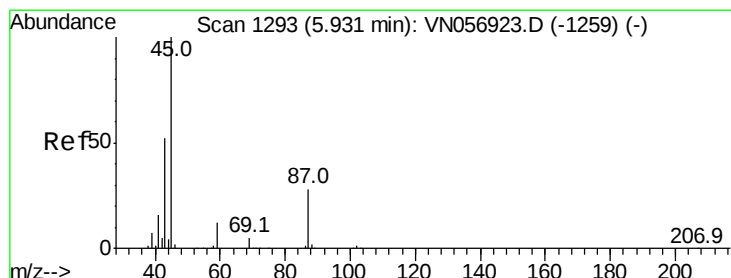
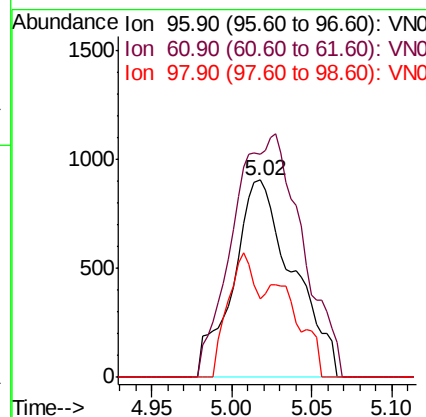
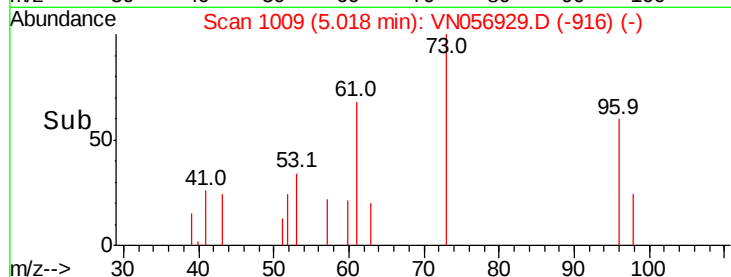
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Abundance Ion 95.90 (95.60 to 96.60): VNC

Ion 60.90 (60.60 to 61.60): VNC

Ion 97.90 (97.60 to 98.60): VNC



#22

Diisopropyl ether

Concen: 0.501 ug/l

RT: 5.94 min Scan# 1297

Delta R.T. 0.01 min

Lab File: VN056929.D

Acq: 25 Jul 2019 19:18

Tgt Ion: 45 Resp: 6786

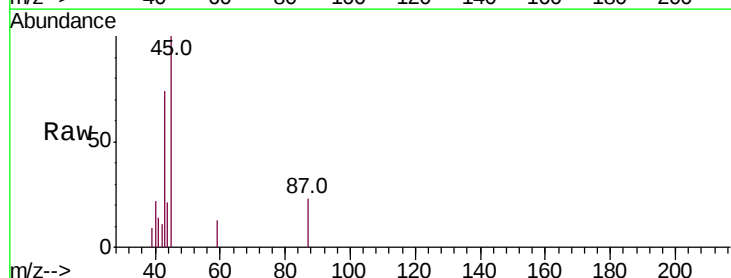
Ion Ratio Lower Upper

45 100

43 57.9 44.7 67.1

87 23.4 23.1 34.7

59 13.2 9.7 14.5

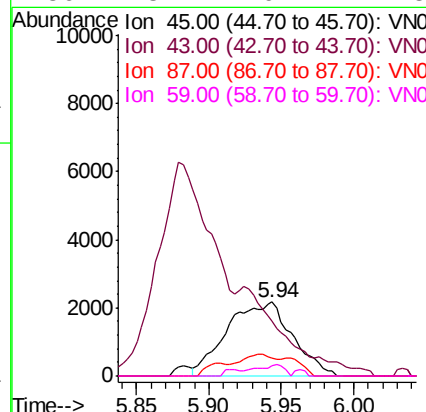
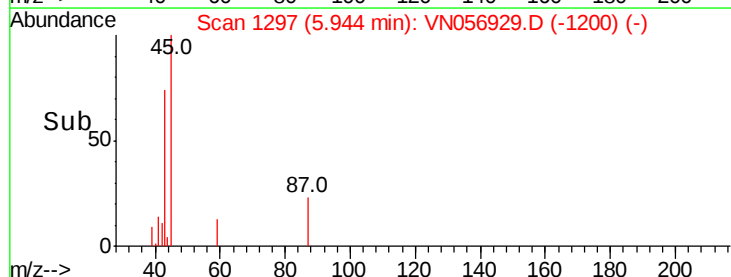


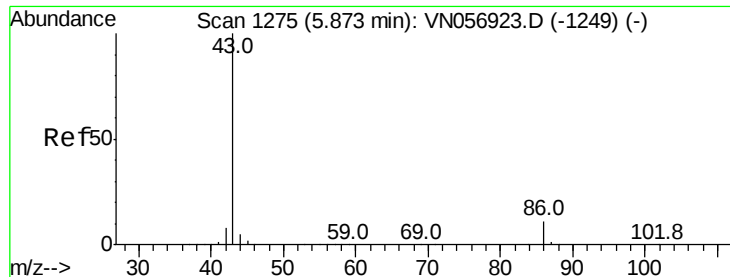
Abundance Ion 45.00 (44.70 to 45.70): VNC

Ion 43.00 (42.70 to 43.70): VNC

Ion 87.00 (86.70 to 87.70): VNC

Ion 59.00 (58.70 to 59.70): VNC





#23

Vinyl Acetate

Concen: 1.822 ug/l

RT: 5.88 min Scan# 1277

Delta R.T. 0.01 min

Lab File: VN056929.D

Acq: 25 Jul 2019 19:18

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT3-2019

Tot Ion: 43 Resp: 17004

Ion Ratio Lower Upper

43 100

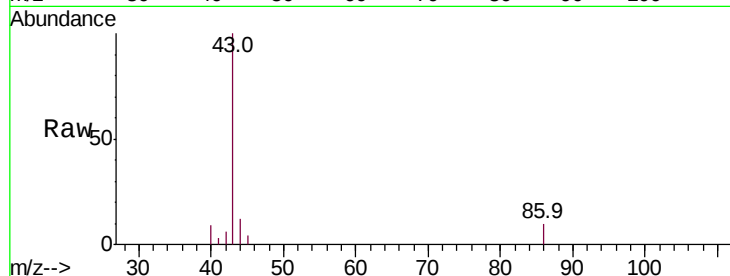
86 9.8 8.6 13.0

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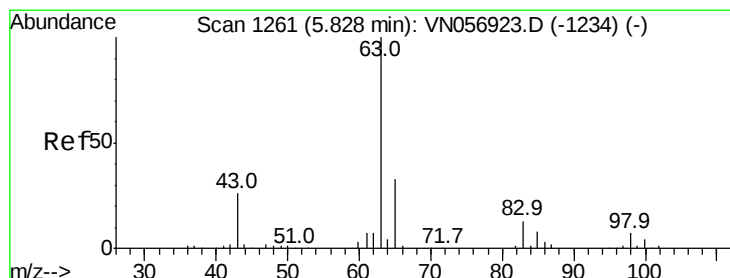
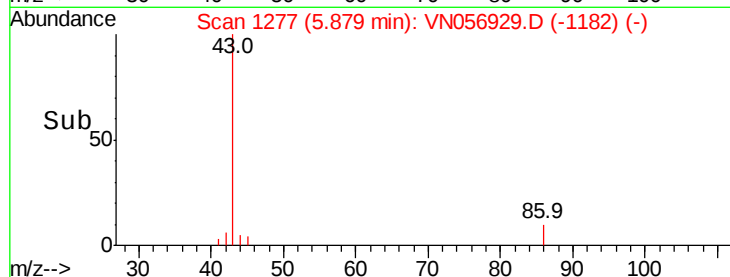
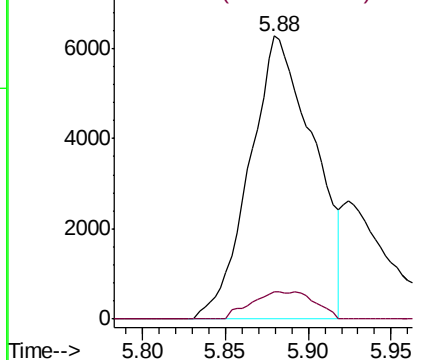
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 0.493 ug/l m

RT: 5.83 min Scan# 1263

Delta R.T. 0.01 min

Lab File: VN056929.D

Acq: 25 Jul 2019 19:18

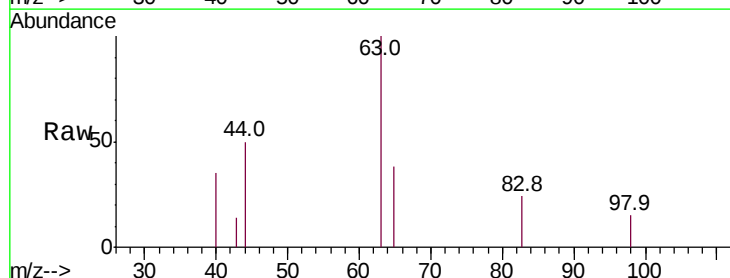
Tgt Ion: 63 Resp: 3926

Ion Ratio Lower Upper

63 100

98 14.6 3.4 10.1#

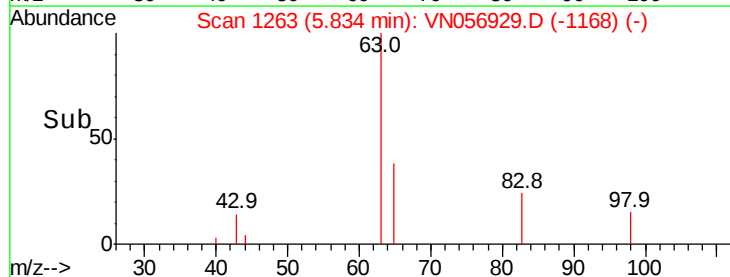
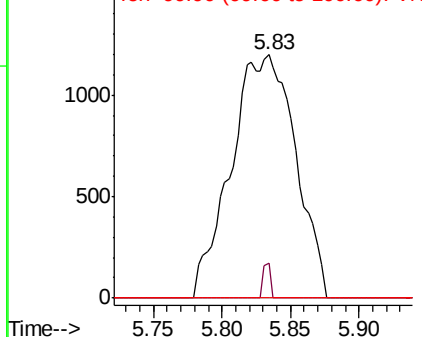
100 0.0 2.1 6.3#

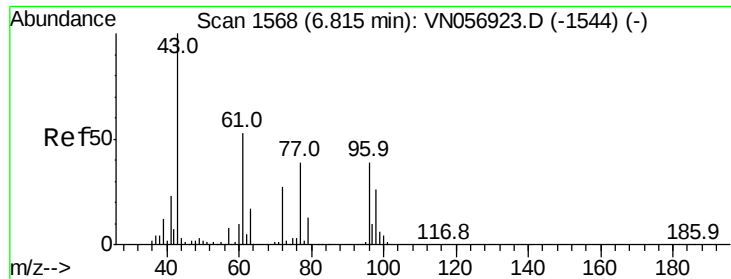


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 2.497 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.01 min

Lab File: VN056929.D

Acq: 25 Jul 2019 19:18

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT3-2019

Tot Ion: 43 Resp: 5935

Ion Ratio Lower Upper

43 100

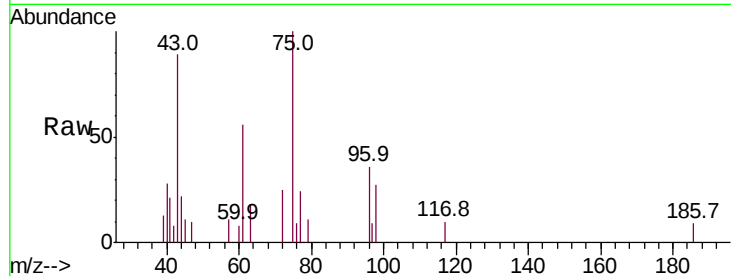
72 28.3 21.9 32.9

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

6.83

1500

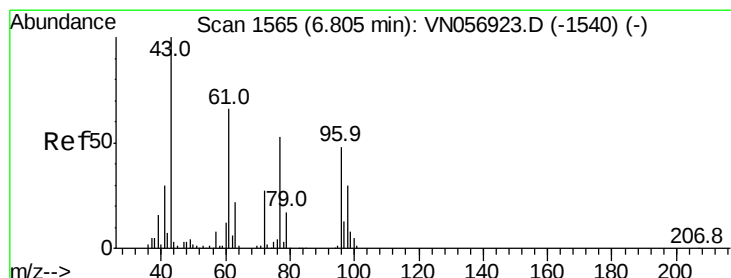
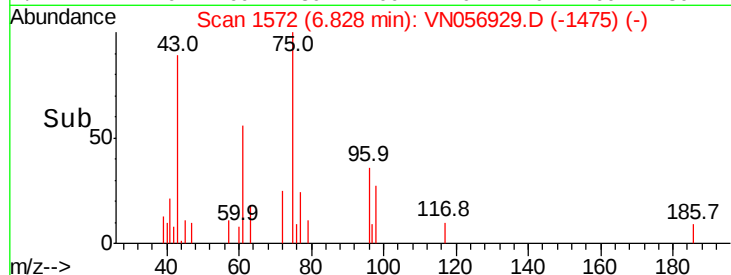
1000

500

0

6.75 6.80 6.85 6.90

Time-->



#26

2,2-Dichloropropane

Concen: 0.529 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. 0.01 min

Lab File: VN056929.D

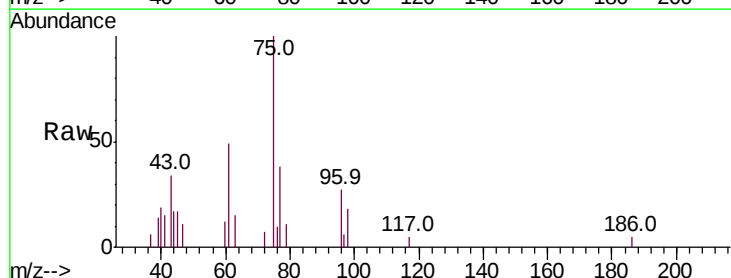
Acq: 25 Jul 2019 19:18

Tgt Ion: 77 Resp: 3093

Ion Ratio Lower Upper

77 100

97 7.7 12.3 36.8#



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0

6.81

1200

1000

800

600

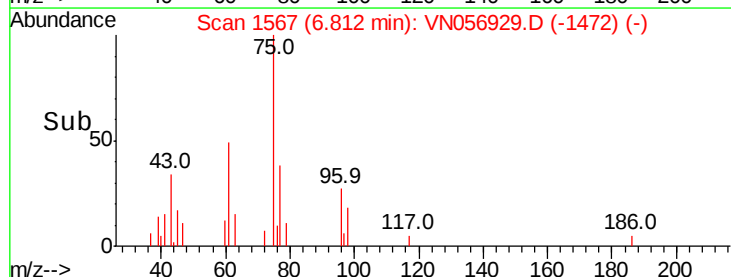
400

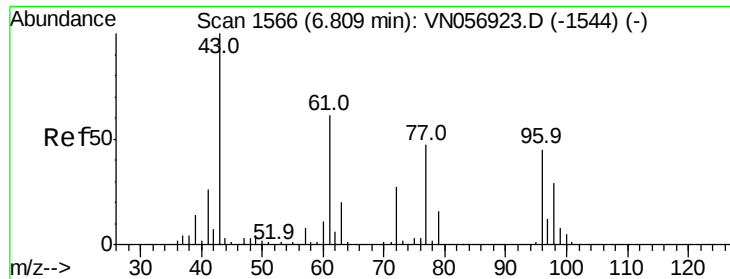
200

0

6.75 6.80 6.85

Time-->





#27

cis-1,2-Dichloroethene

Concen: 0.486 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. 0.01 min

Lab File: VN056929.D

Acq: 25 Jul 2019 19:18

Instrument :

MSVOA_N

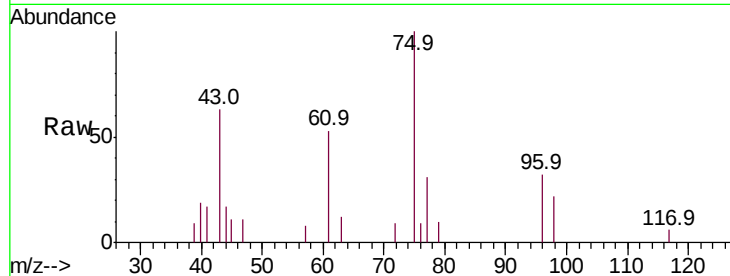
ClientSampleId :

LOD-MDL-WATER-01-QT3-2019

Tot Ion:	96	Resp:	2434
Ion	Ratio	Lower	Upper
96	100		
61	162.7	0.0	278.8
98	5.8	0.0	130.0

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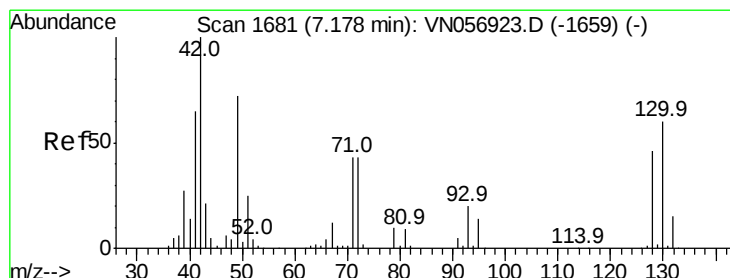
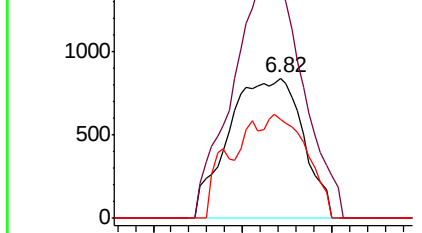
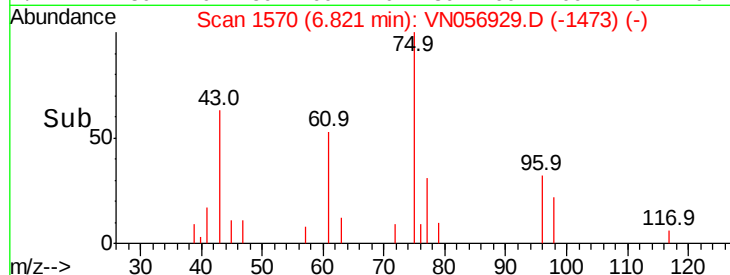


Abundance Ion 95.90 (95.60 to 96.60): VN056929.D (-1544) (-)

Ion 60.90 (60.60 to 61.60): VN056929.D (-1544) (-)

Ion 97.90 (97.60 to 98.60): VN056929.D (-1544) (-)

Time-->



#28

Bromochloromethane

Concen: 0.522 ug/l

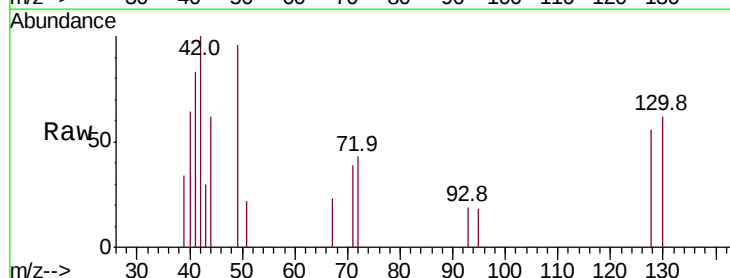
RT: 7.18 min Scan# 1683

Delta R.T. 0.01 min

Lab File: VN056929.D

Acq: 25 Jul 2019 19:18

Tgt Ion:	49	Resp:	1918
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.4
130	87.6	67.3	100.9

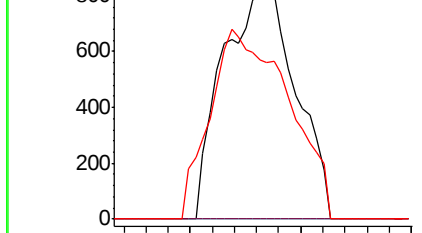
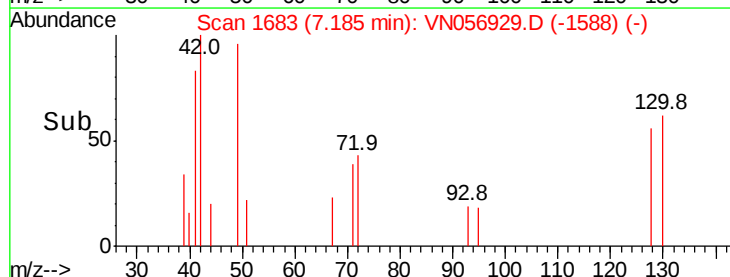


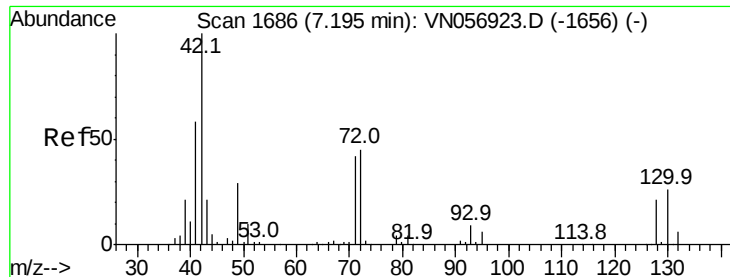
Abundance Ion 48.90 (48.60 to 49.60): VN056929.D (-1659) (-)

Ion 128.80 (128.50 to 129.50): VN056929.D (-1659) (-)

Ion 129.80 (129.50 to 130.50): VN056929.D (-1659) (-)

Time-->





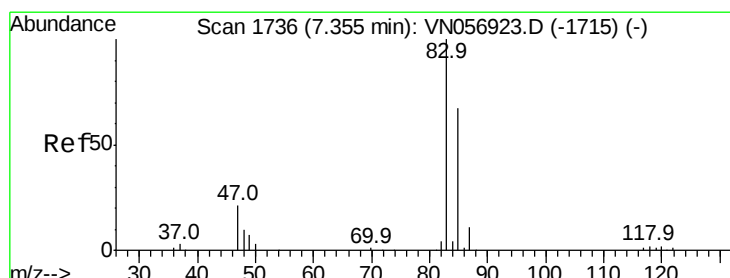
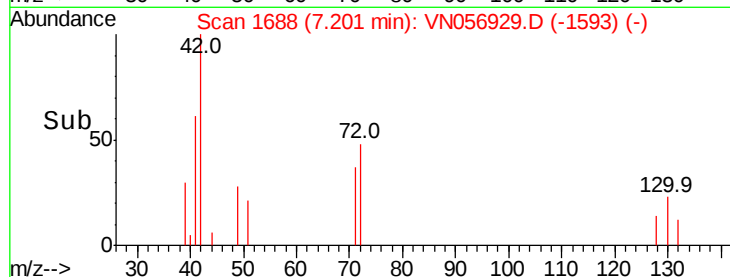
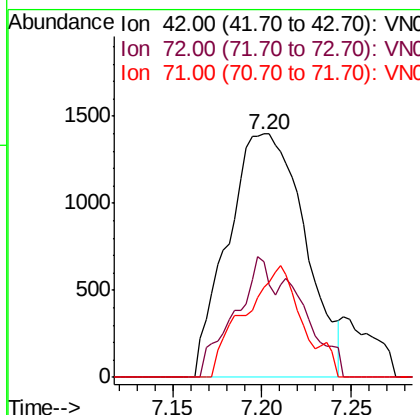
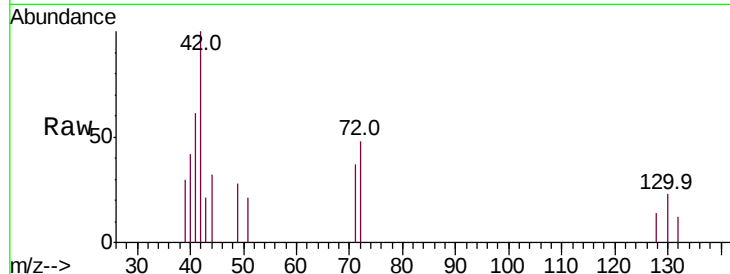
#29
Tetrahydrofuran
Concen: 2.697 ug/l
RT: 7.20 min Scan# 1688
Delta R.T. 0.01 min
Lab File: VN056929.D
Acq: 25 Jul 2019 19:18

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2019

Tot Ion	Ratio	Lower	Upper
42	100		
72	24.3	35.5	53.3#
71	34.8	33.0	49.6

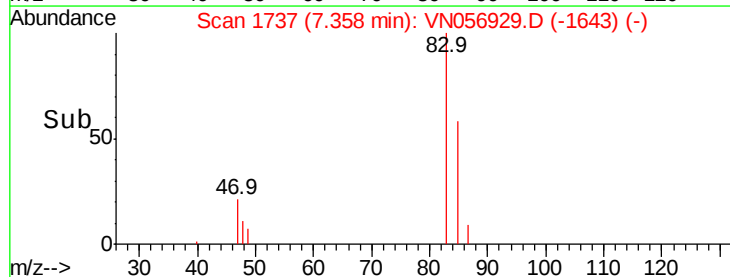
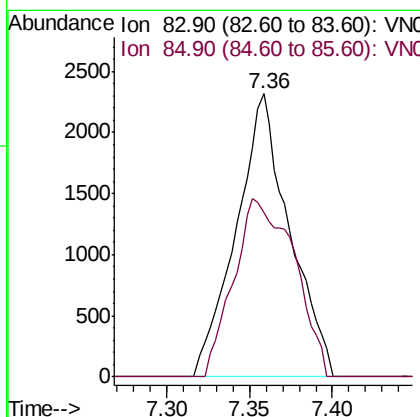
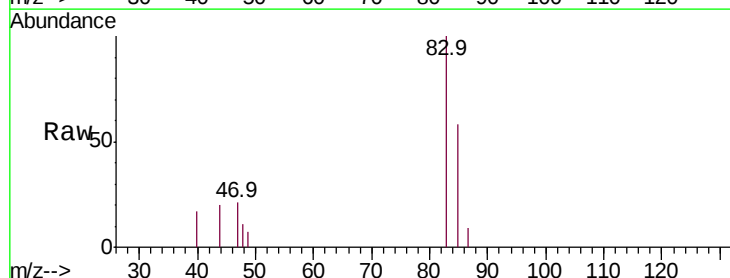
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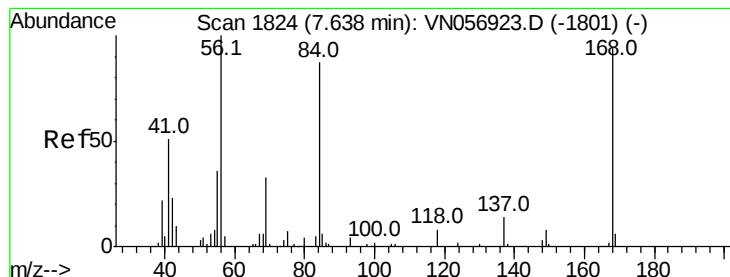
MMDadoda
7/26/2019 3:37:22 PM



#30
Chloroform
Concen: 0.632 ug/l
RT: 7.36 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VN056929.D
Acq: 25 Jul 2019 19:18

Tgt Ion	Ratio	Lower	Upper
83	100		
85	58.0	53.5	80.3





#31

Cyclohexane

Concen: 1.320 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.01 min

Lab File: VN056929.D

Acq: 25 Jul 2019 19:18

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT3-2019

Tot Ion: 56 Resp: 10226

Ion Ratio Lower Upper

56 100

69 137.6 26.3 39.5#

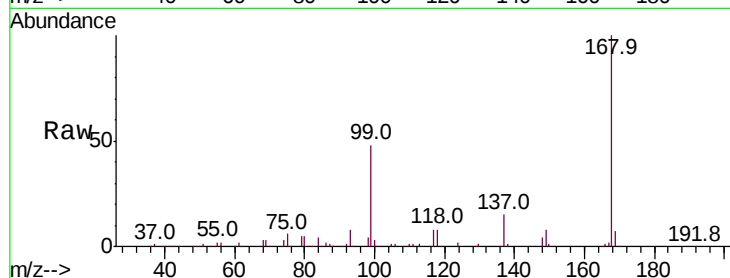
84 149.6 69.6 104.4#

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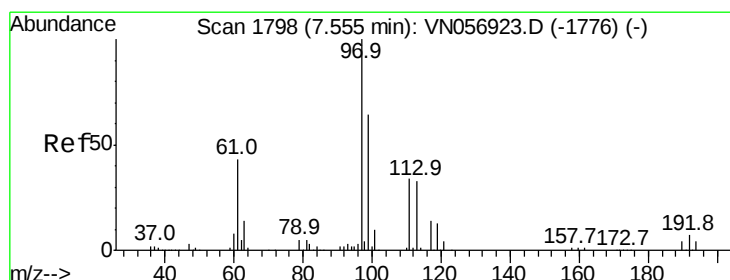
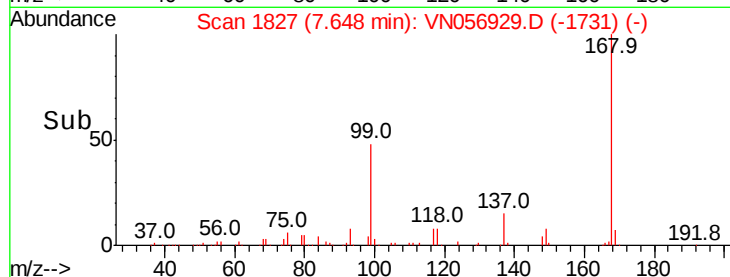
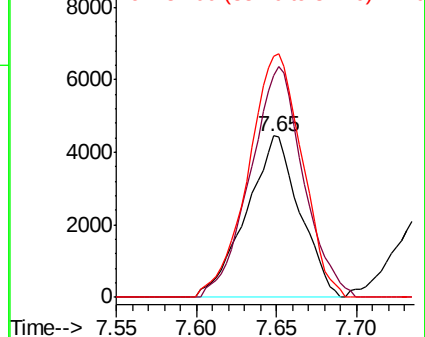
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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 0.537 ug/l

RT: 7.55 min Scan# 1798

Delta R.T. -0.00 min

Lab File: VN056929.D

Acq: 25 Jul 2019 19:18

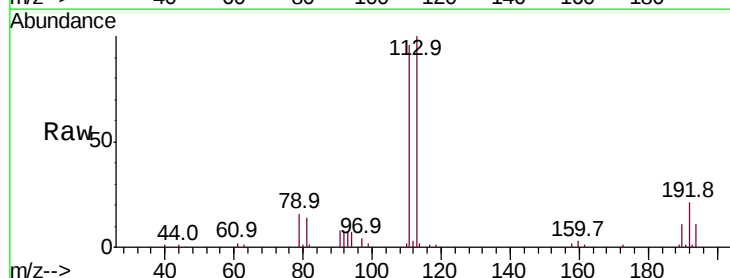
Tgt Ion: 97 Resp: 3528

Ion Ratio Lower Upper

97 100

99 0.0 51.6 77.4#

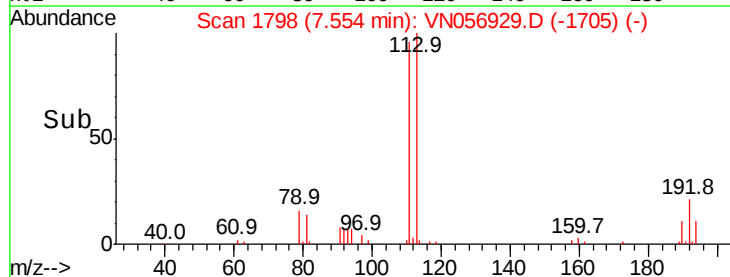
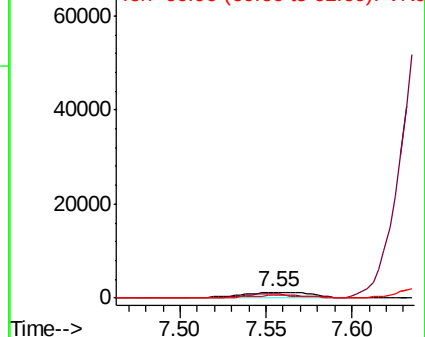
61 39.6 33.8 50.6

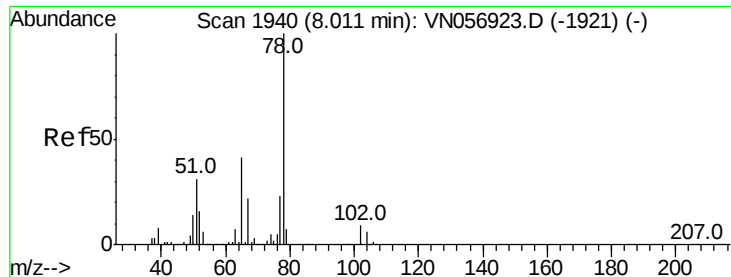


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0





#33

1,2-Dichloroethane-d4

Concen: 53.271 ug/l

RT: 8.01 min Scan# 1941

Delta R.T. 0.00 min

Lab File: VN056929.D

Acq: 25 Jul 2019 19:18

Instrument :
MSVOA_N

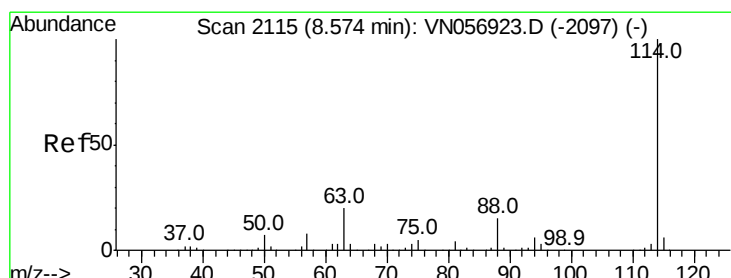
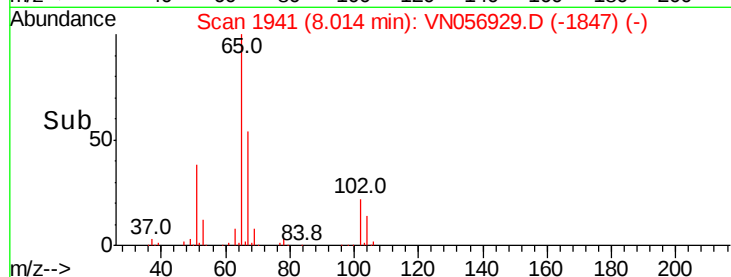
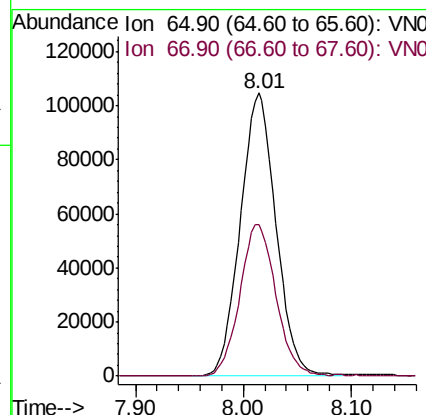
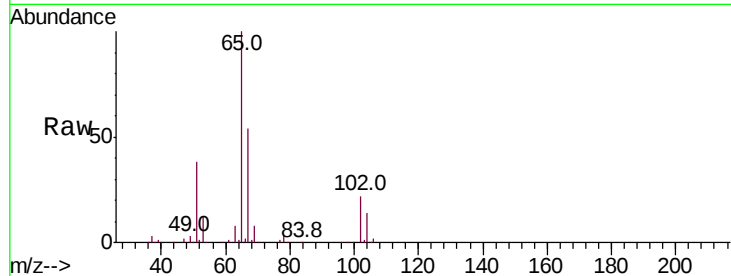
ClientSampleId :
LOD-MDL-WATER-01-QT3-2019

Tot Ion: 65 Resp: 240870

Ion	Ratio	Lower	Upper
65	100		
67	54.2	0.0	109.2

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2115

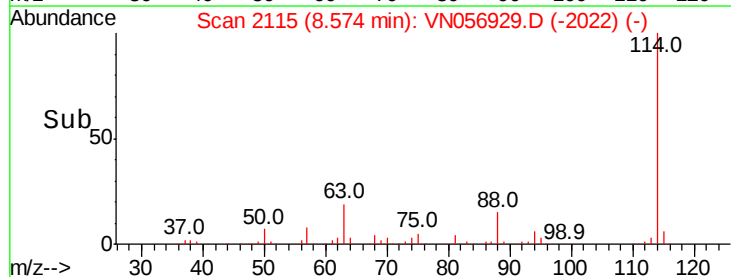
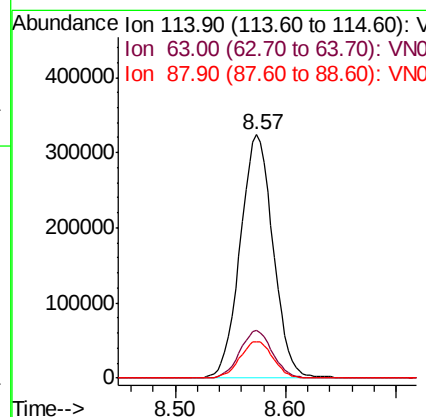
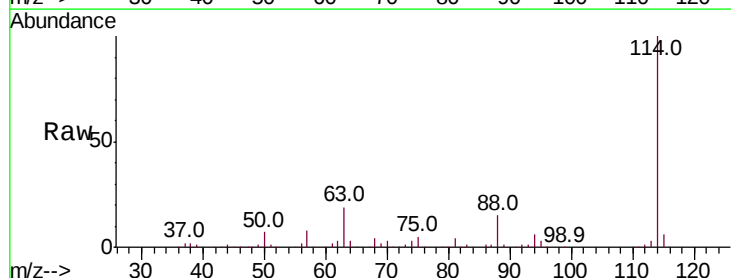
Delta R.T. -0.00 min

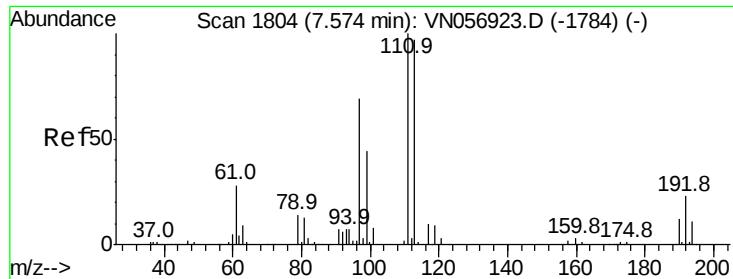
Lab File: VN056929.D

Acq: 25 Jul 2019 19:18

Tgt Ion: 114 Resp: 667585

Ion	Ratio	Lower	Upper
114	100		
63	19.4	0.0	39.4
88	15.1	0.0	30.4





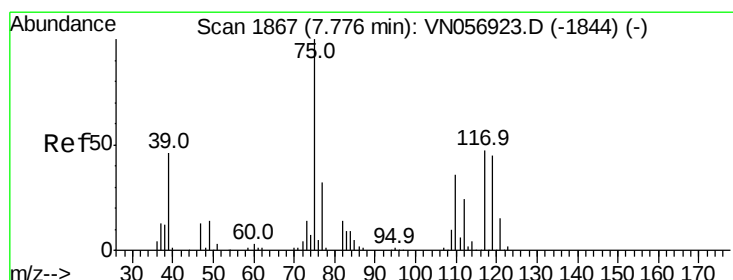
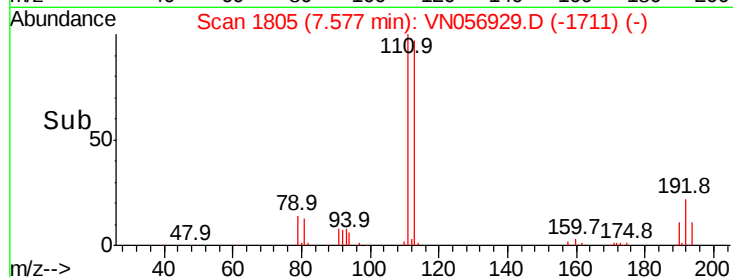
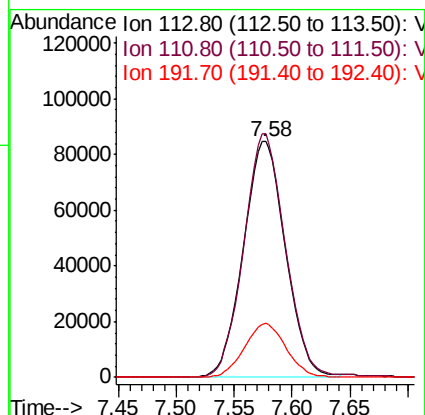
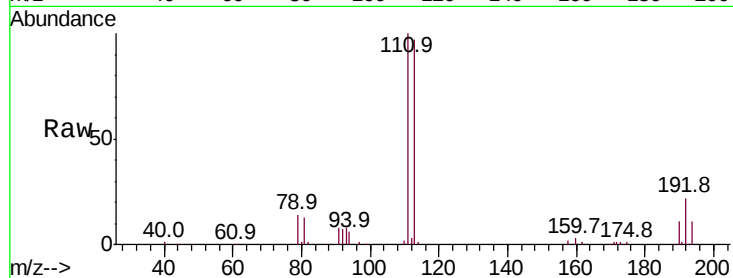
#35
 Dibromofluoromethane
 Concen: 50.235 ug/l
 RT: 7.58 min Scan# 1805
 Delta R.T. 0.00 min
 Lab File: VN056929.D
 Acq: 25 Jul 2019 19:18

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2019

Tot Ion	Ratio	Resp	Lower	Upper
113	100	213971		
111	101.9		82.2	123.2
192	22.5		18.3	27.5

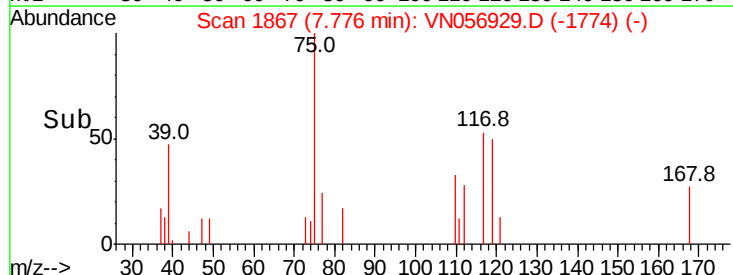
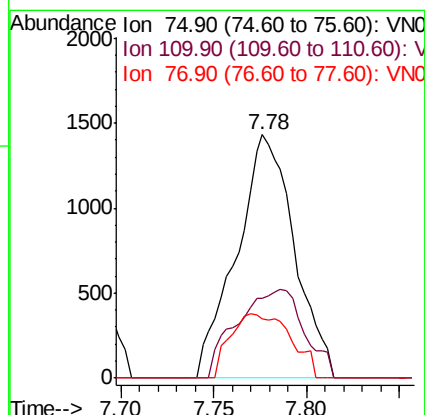
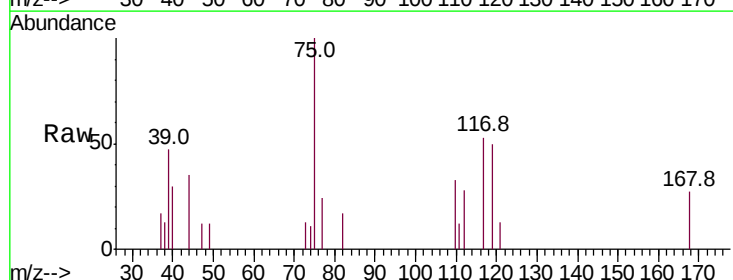
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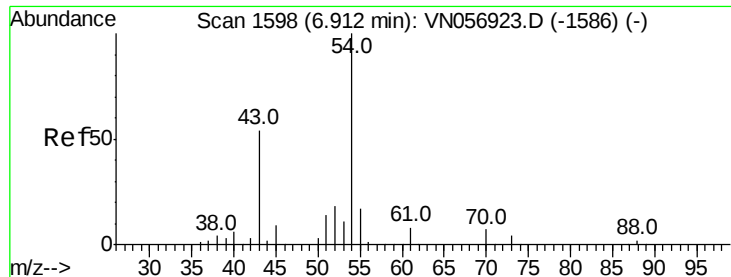
MMDadoda
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#36
 1,1-Dichloropropene
 Concen: 0.509 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN056929.D
 Acq: 25 Jul 2019 19:18

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	3104		
110	42.3		18.9	56.9
77	27.4		25.4	38.0





#37

Ethyl Acetate

Concen: 0.443 ug/l

RT: 6.91 min Scan# 1599

Delta R.T. 0.00 min

Lab File: VN056929.D

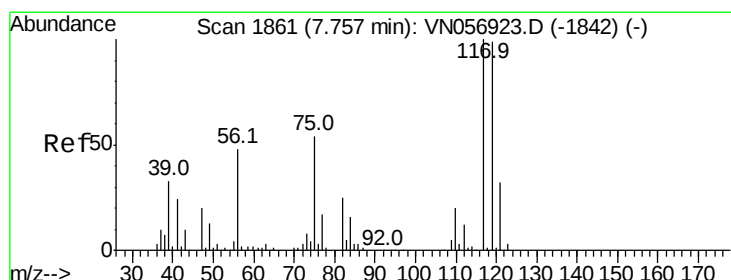
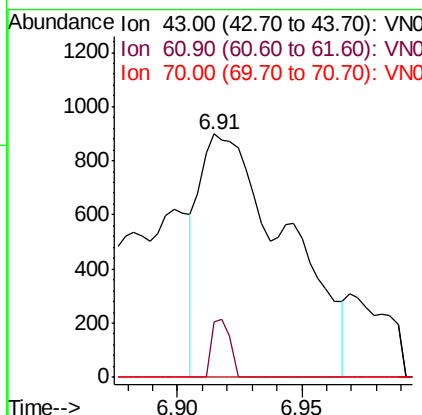
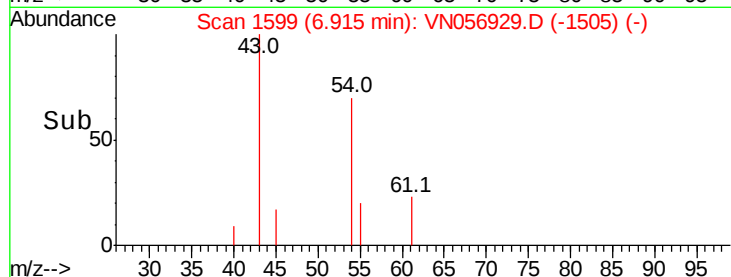
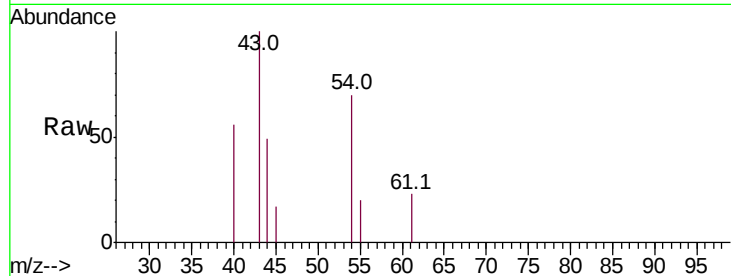
Acq: 25 Jul 2019 19:18

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2019

Tot Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.9	17.9#
70	0.0	8.8	13.2#

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 0.535 ug/l

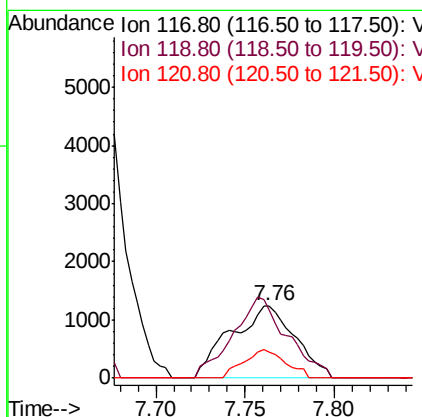
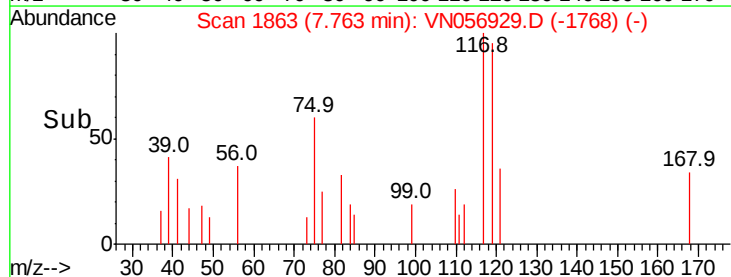
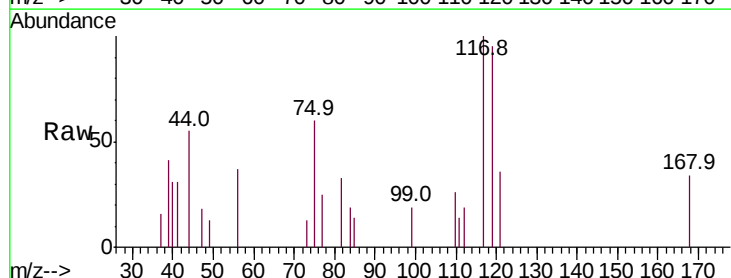
RT: 7.76 min Scan# 1863

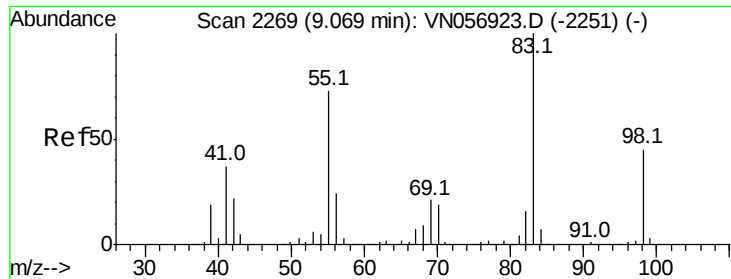
Delta R.T. 0.01 min

Lab File: VN056929.D

Acq: 25 Jul 2019 19:18

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.8	79.0	118.6
121	35.6	25.1	37.7





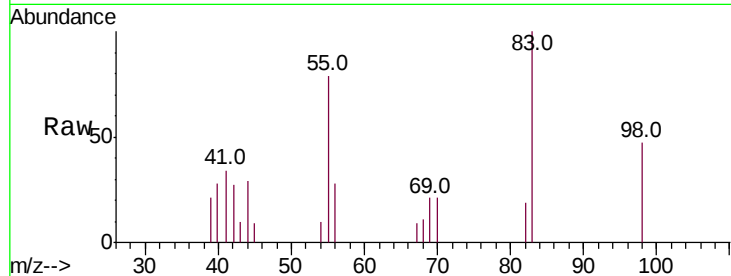
#39
Methvlcvclohexane
Concen: 0.565 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.01 min
Lab File: VN056929.D
Acq: 25 Jul 2019 19:18

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2019

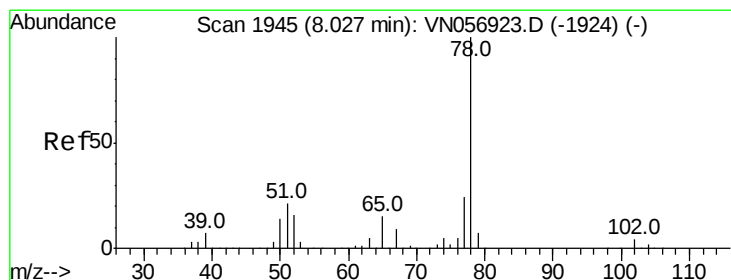
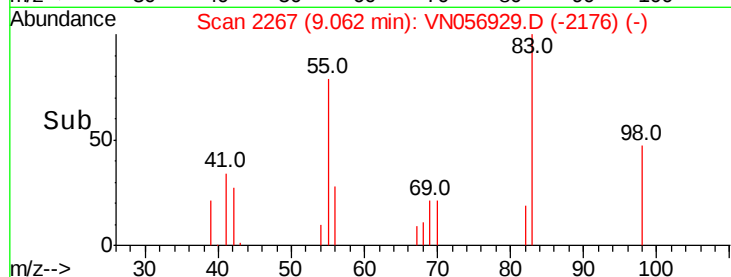
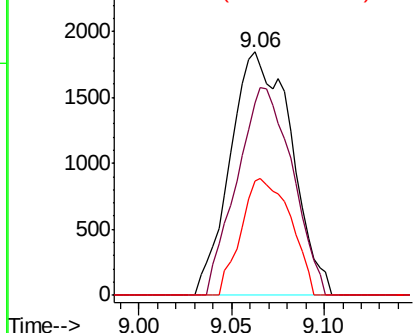
Tot Ion	83	Resp	4201
Ion	Ratio	Lower	Upper
83	100		
55	78.8	58.8	88.2
98	47.0	35.8	53.6

Manual Integrations
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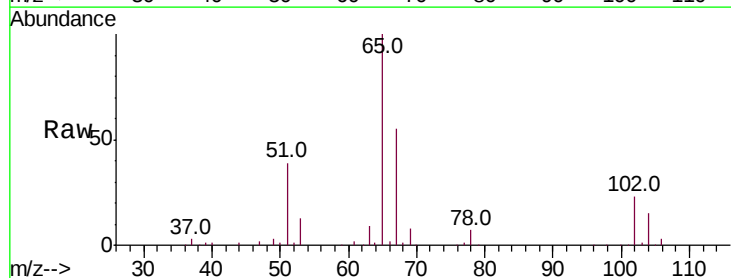


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

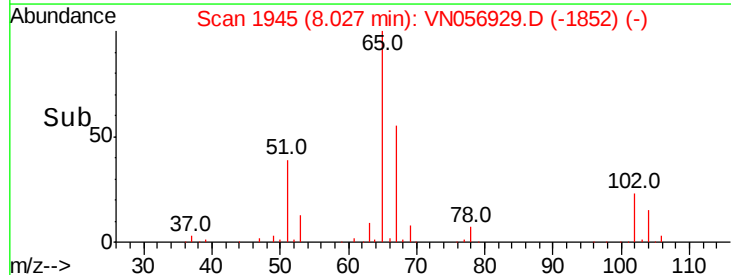
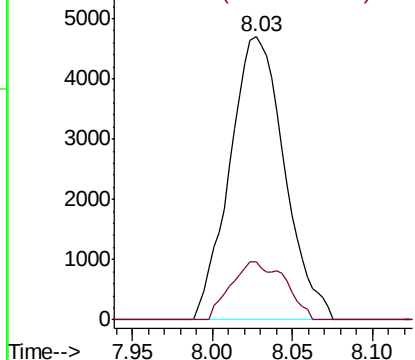


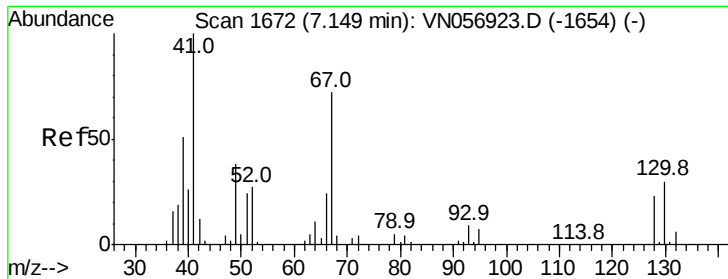
#40
Benzene
Concen: 0.578 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.00 min
Lab File: VN056929.D
Acq: 25 Jul 2019 19:18

Tgt Ion	78	Resp	10996
Ion	Ratio	Lower	Upper
78	100		
77	20.4	19.5	29.3



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0





#41

Methacrylonitrile

Concen: 0.657 ug/l

RT: 7.17 min Scan# 1679

Delta R.T. 0.02 min

Lab File: VN056929.D

Acq: 25 Jul 2019 19:18

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT3-2019

Tot Ion: 41 Resp: 1428

Ion Ratio Lower Upper

41 100

39 57.6 0.0 0.0#

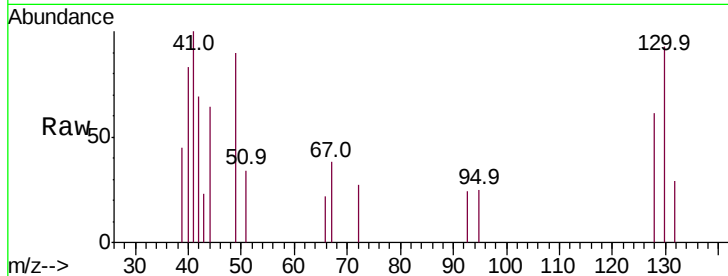
67 19.7 0.0 0.0#

52 0.0 0.0 0.0

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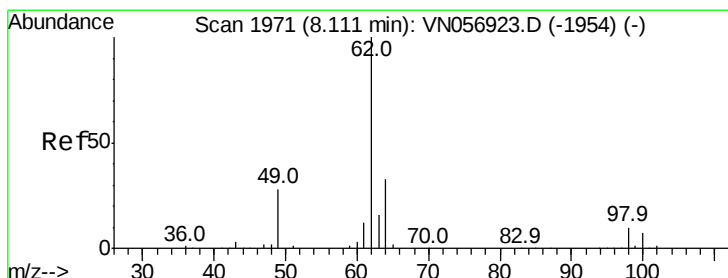
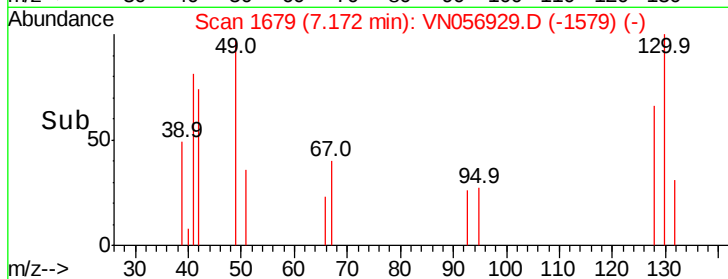
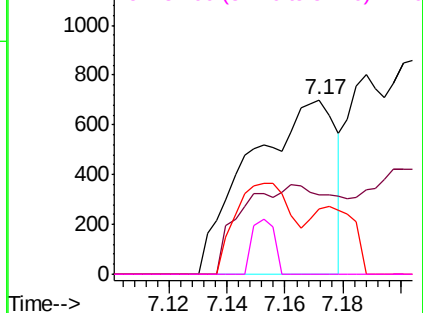


Abundance Ion 41.00 (40.70 to 41.70): VNC

Ion 39.00 (38.70 to 39.70): VNC

Ion 67.00 (66.70 to 67.70): VNC

Ion 52.00 (51.70 to 52.70): VNC



#42

1,2-Dichloroethane

Concen: 0.631 ug/l

RT: 8.11 min Scan# 1970

Delta R.T. -0.00 min

Lab File: VN056929.D

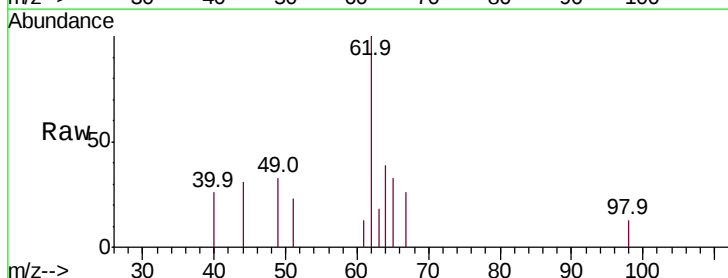
Acq: 25 Jul 2019 19:18

Tgt Ion: 62 Resp: 3710

Ion Ratio Lower Upper

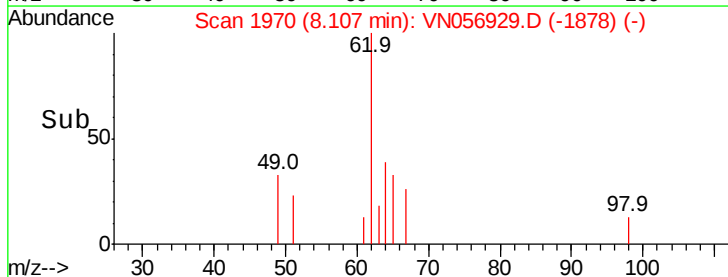
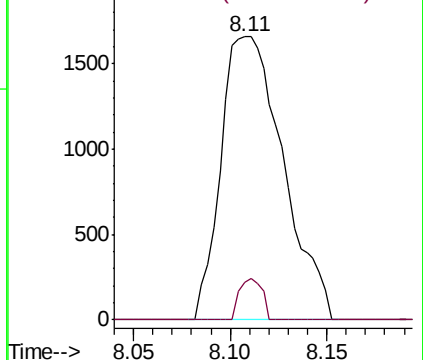
62 100

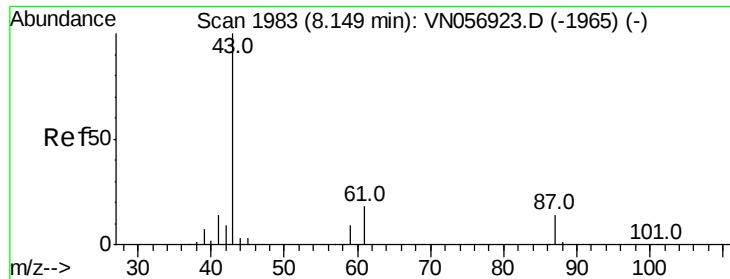
98 5.3 0.0 20.8



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 97.90 (97.60 to 98.60): VNC





#43

Isopropyl Acetate

Concen: 0.482 ug/l

RT: 8.16 min Scan# 1985

Delta R.T. 0.01 min

Lab File: VN056929.D

Acq: 25 Jul 2019 19:18

Instrument :

MSVOA_N

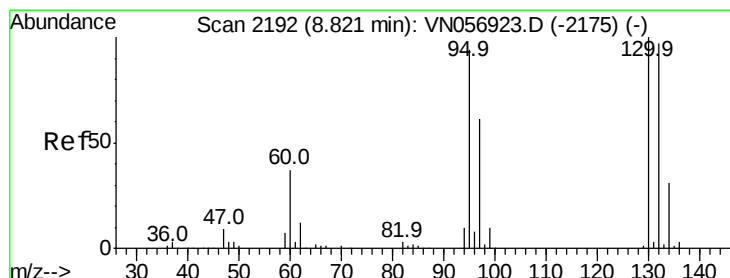
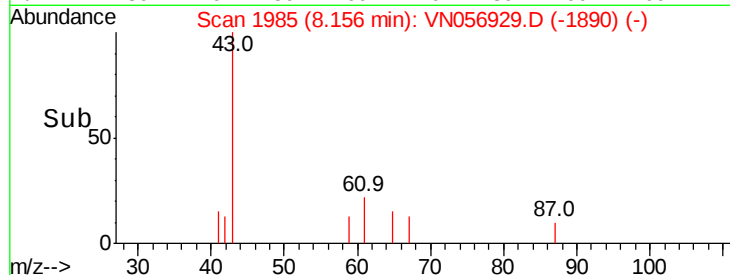
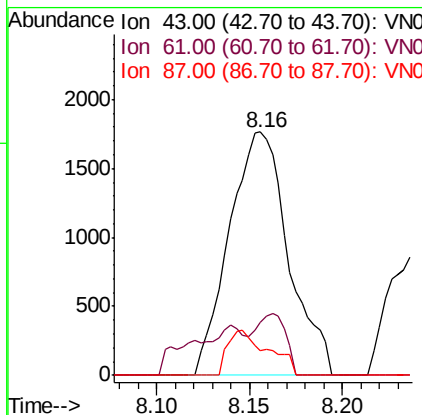
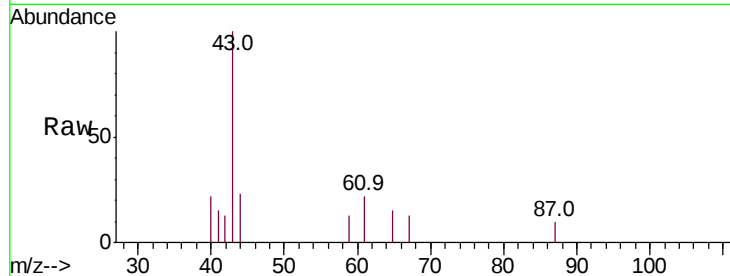
ClientSampleId :

LOD-MDL-WATER-01-QT3-2019

Tot Ion:	43	Resp:	3925
Ion	Ratio	Lower	Upper
43	100		
61	12.6	23.8	35.6#
87	0.0	11.8	17.6#

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#44

Trichloroethene

Concen: 0.520 ug/l m

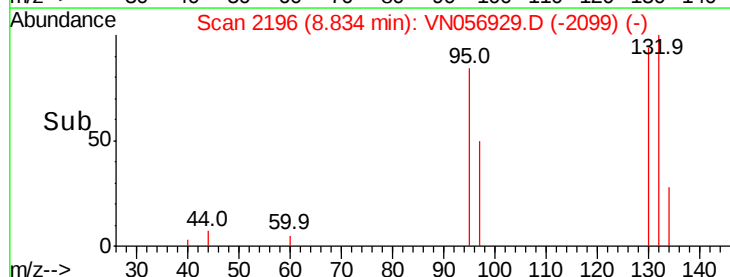
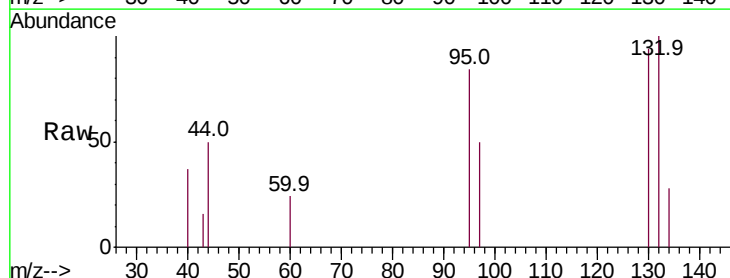
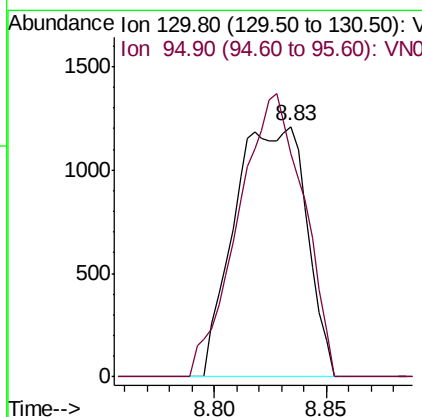
RT: 8.83 min Scan# 2196

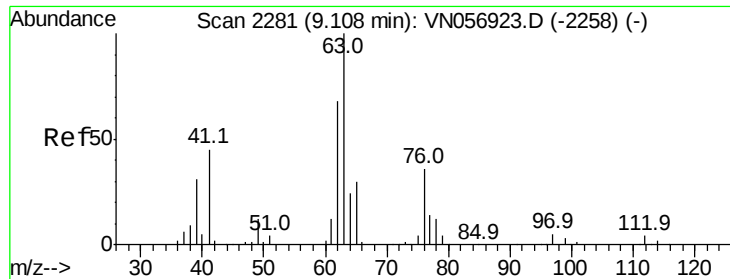
Delta R.T. 0.01 min

Lab File: VN056929.D

Acq: 25 Jul 2019 19:18

Tgt Ion:	130	Resp:	2698
Ion	Ratio	Lower	Upper
130	100		
95	89.1	0.0	187.6





#45

1,2-Dichloropropane

Concen: 0.519 ug/l

RT: 9.10 min Scan# 2280

Delta R.T. -0.00 min

Lab File: VN056929.D

Acq: 25 Jul 2019 19:18

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT3-2019

Tot Ion: 63 Resp: 2657

Ion Ratio Lower Upper

63 100

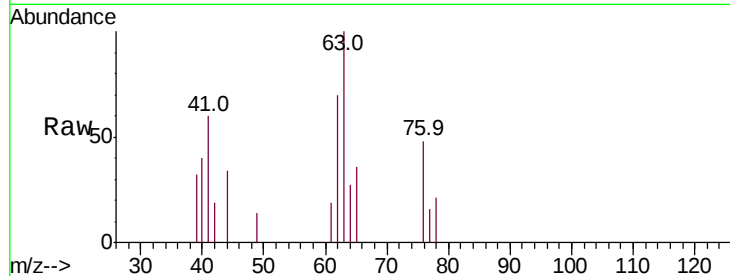
65 36.4 24.5 36.7

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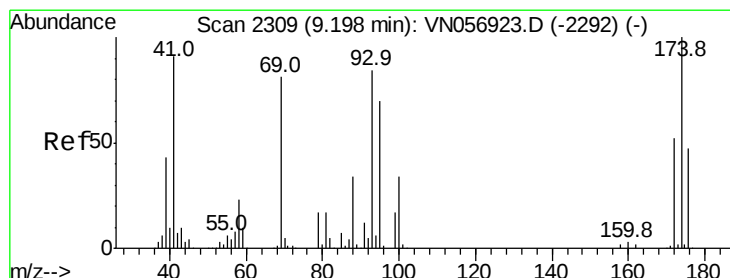
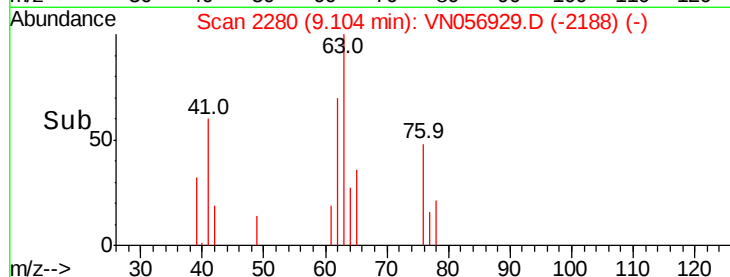
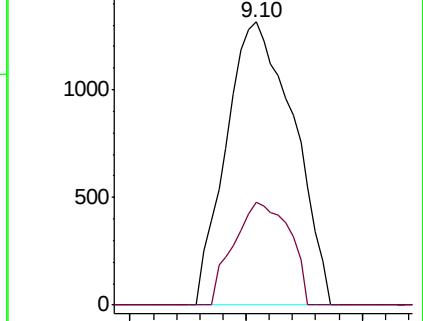
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Abundance Ion 62.90 (62.60 to 63.60): VN056929.D (-2258) (-)

Ion 64.90 (64.60 to 65.60): VN056929.D (-2258) (-)



#46

Dibromomethane

Concen: 0.565 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. -0.00 min

Lab File: VN056929.D

Acq: 25 Jul 2019 19:18

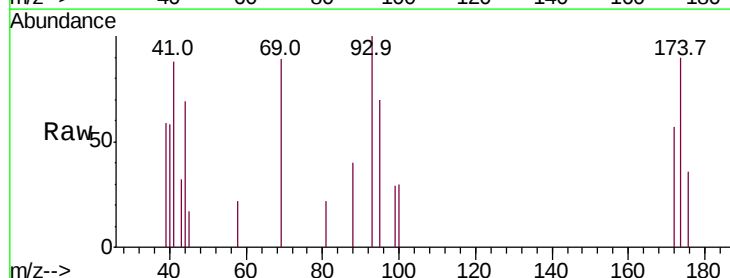
Tgt Ion: 93 Resp: 1743

Ion Ratio Lower Upper

93 100

95 79.3 66.8 100.2

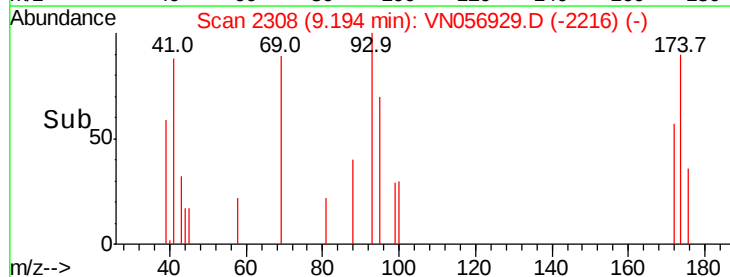
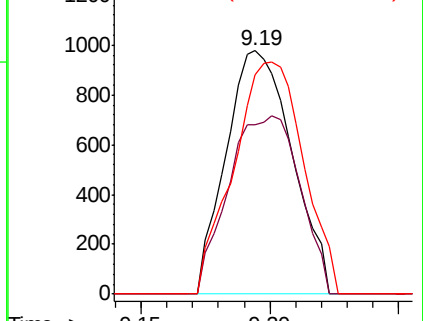
174 100.9 92.9 139.3

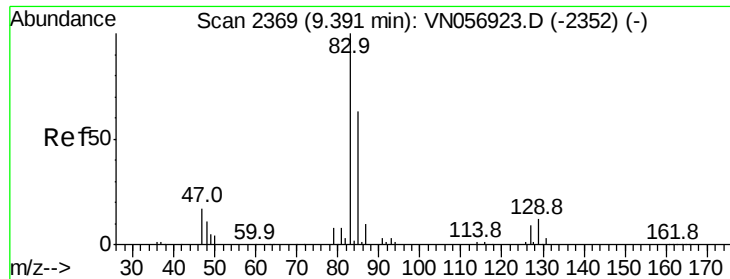


Abundance Ion 92.80 (92.50 to 93.50): VN056929.D (-2292) (-)

Ion 94.80 (94.50 to 95.50): VN056929.D (-2292) (-)

Ion 173.70 (173.40 to 174.40): VN056929.D (-2292) (-)





#47

Bromodichloromethane

Concen: 0.502 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN056929.D

Acq: 25 Jul 2019 19:18

Instrument :

MSVOA_N

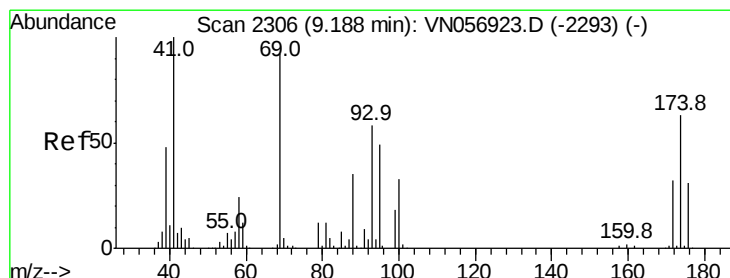
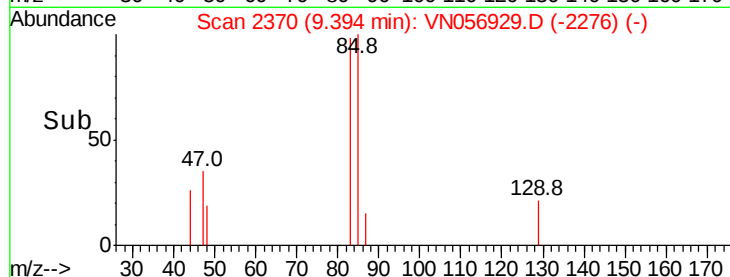
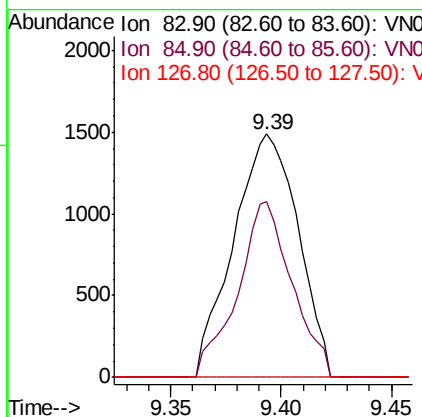
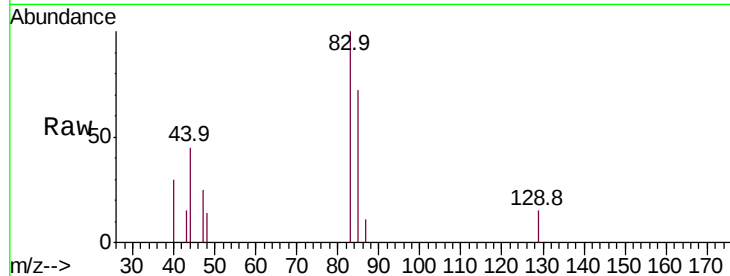
ClientSampleId :

LOD-MDL-WATER-01-QT3-2019

Tot Ion:	83	Resp:	3020
Ion Ratio	Lower	Upper	
83	100		
85	72.3	50.5	75.7
127	0.0	7.4	11.0#

Manual Integrations
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#48

Methyl methacrylate

Concen: 0.445 ug/l

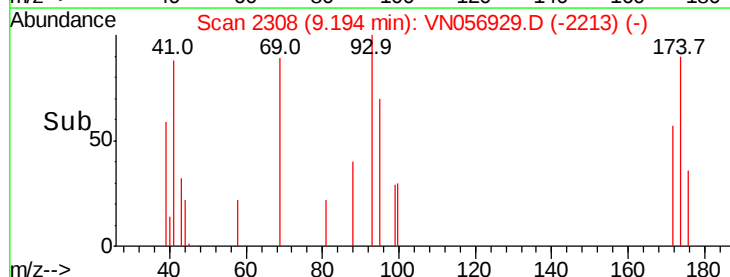
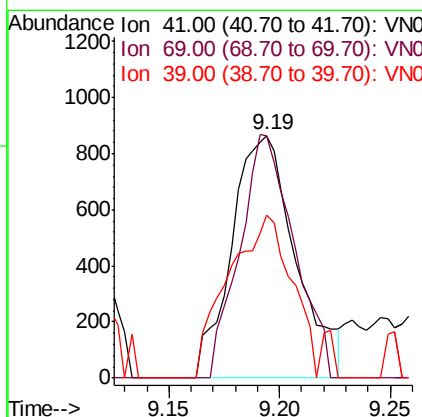
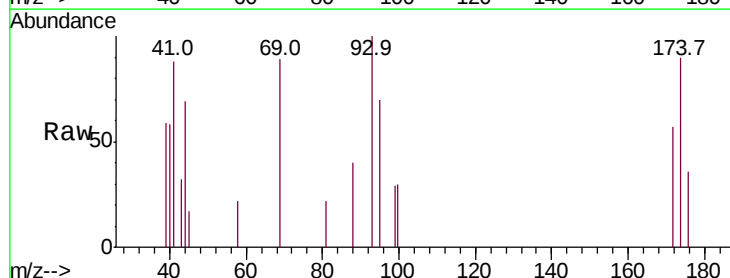
RT: 9.19 min Scan# 2308

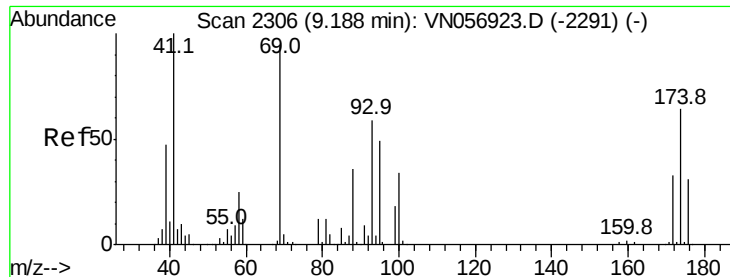
Delta R.T. 0.01 min

Lab File: VN056929.D

Acq: 25 Jul 2019 19:18

Tgt Ion:	41	Resp:	1740
Ion Ratio	Lower	Upper	
41	100		
69	85.2	73.4	110.0
39	66.5	40.1	60.1#





#49

1,4-Dioxane

Concen: 10.172 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.01 min

Lab File: VN056929.D

Acq: 25 Jul 2019 19:18

Instrument :

MSVOA_N

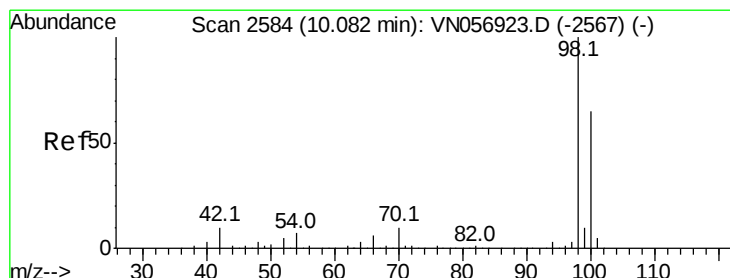
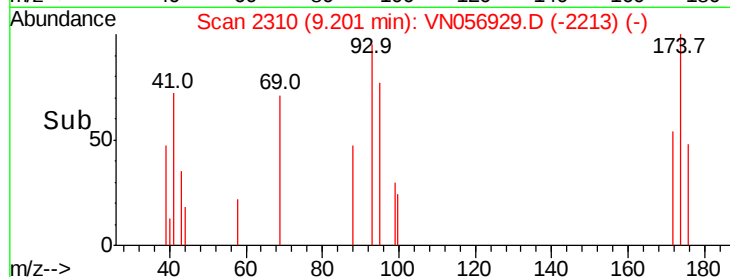
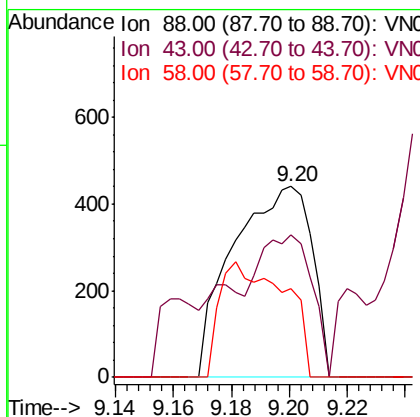
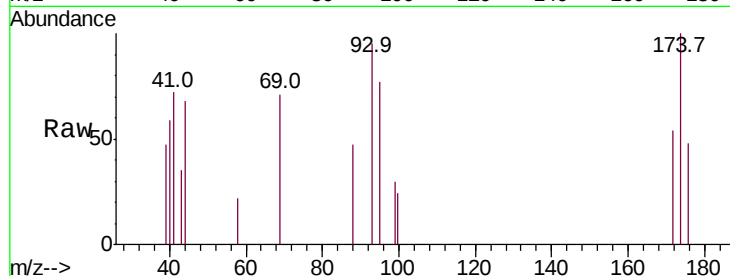
ClientSampleId :

LOD-MDL-WATER-01-QT3-2019

Tot Ion:	88	Resp:	832
Ion	Ratio	Lower	Upper
88	100		
43	50.8	21.1	31.7#
58	49.5	52.5	78.7#

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#50

Toluene-d8

Concen: 48.603 ug/l

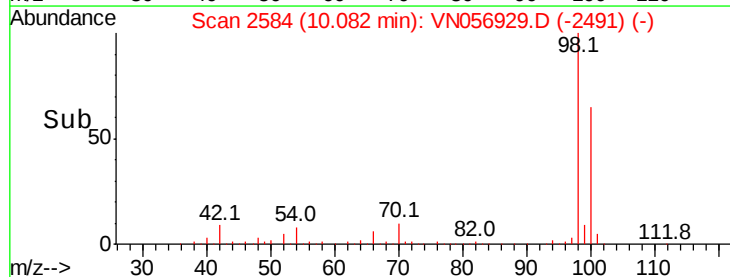
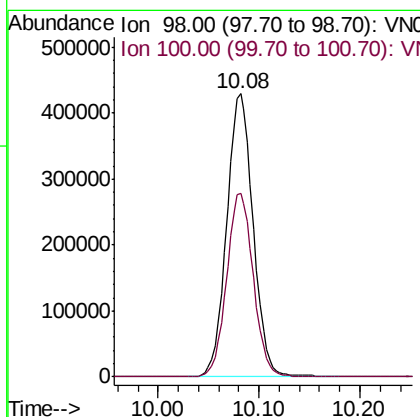
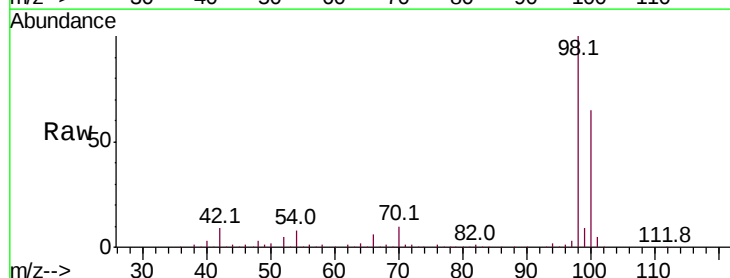
RT: 10.08 min Scan# 2584

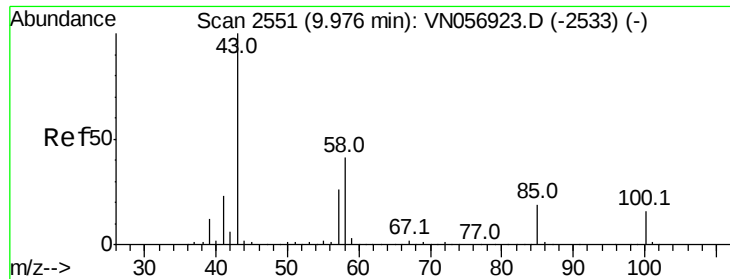
Delta R.T. -0.00 min

Lab File: VN056929.D

Acq: 25 Jul 2019 19:18

Tgt Ion:	98	Resp:	786097
Ion	Ratio	Lower	Upper
98	100		
100	65.3	51.4	77.2





#51

4-Methyl-2-Pentanone

Concen: 2.539 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. -0.00 min

Lab File: VN056929.D

Acq: 25 Jul 2019 19:18

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT3-2019

Tot Ion: 43 Resp: 12281

Ion Ratio Lower Upper

43 100

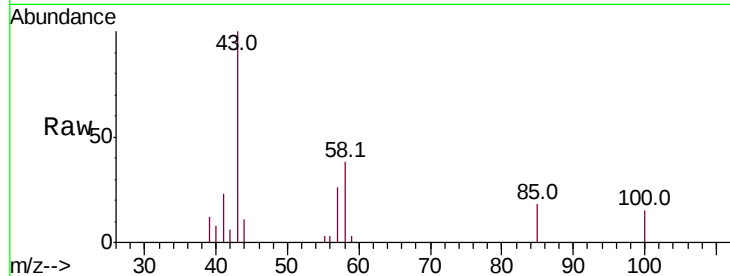
58 37.7 32.8 49.2

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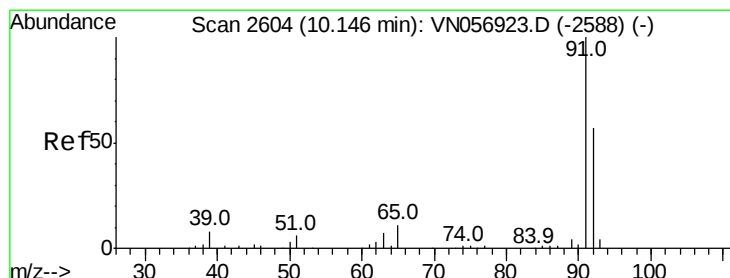
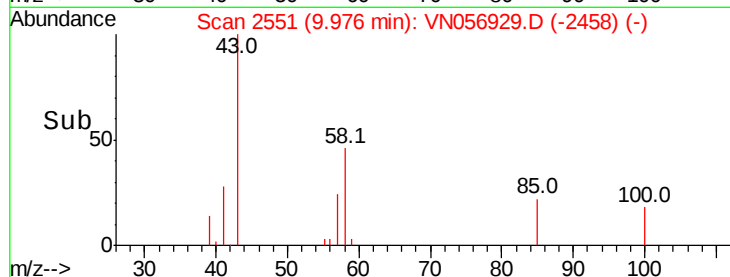
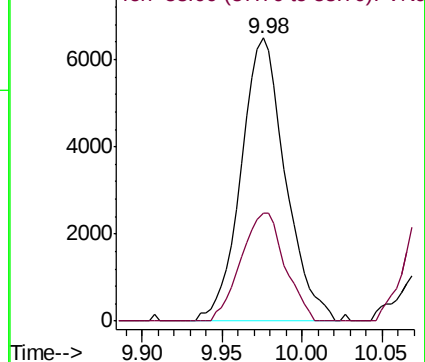
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 0.576 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VN056929.D

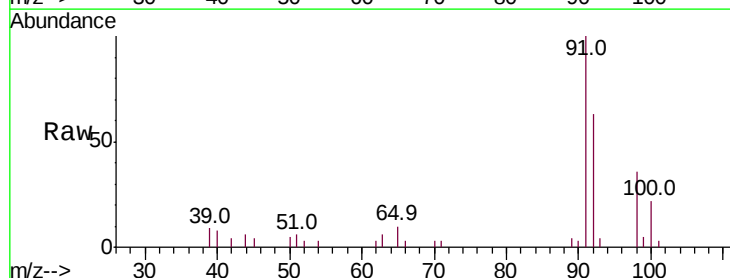
Acq: 25 Jul 2019 19:18

Tgt Ion: 92 Resp: 6577

Ion Ratio Lower Upper

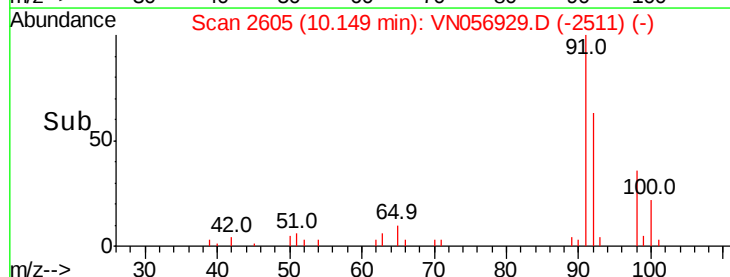
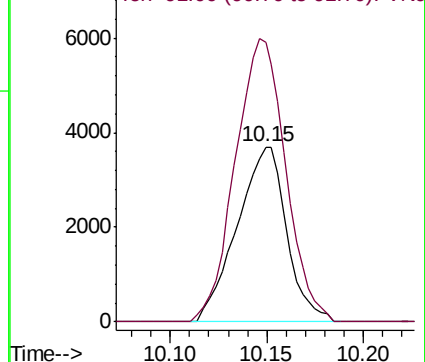
92 100

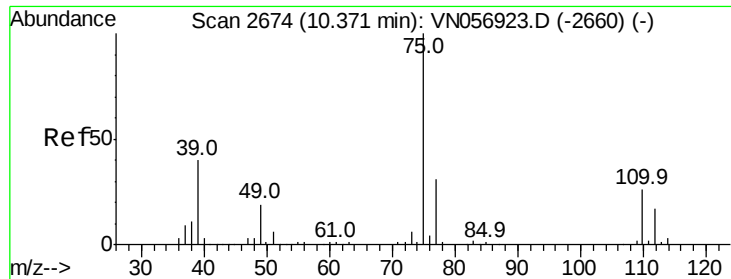
91 164.8 139.8 209.6



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 0.467 ug/l

RT: 10.37 min Scan# 2673

Delta R.T. -0.00 min

Lab File: VN056929.D

Acq: 25 Jul 2019 19:18

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT3-2019

Tot Ion: 75 Resp: 2833

Ion Ratio Lower Upper

75 100

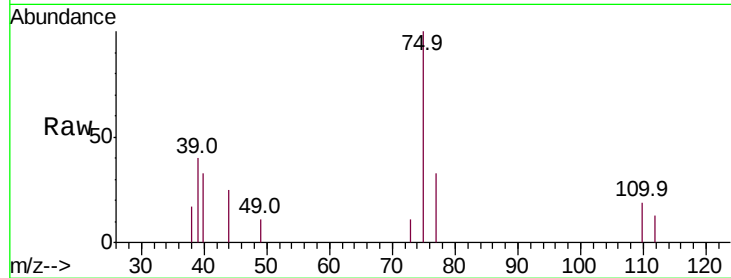
77 32.9 25.0 37.6

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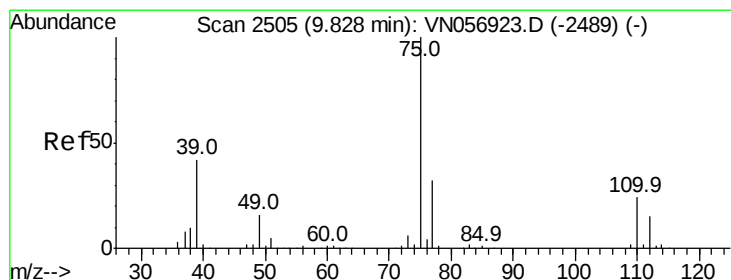
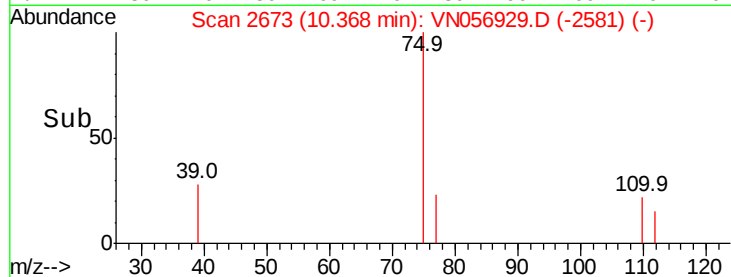
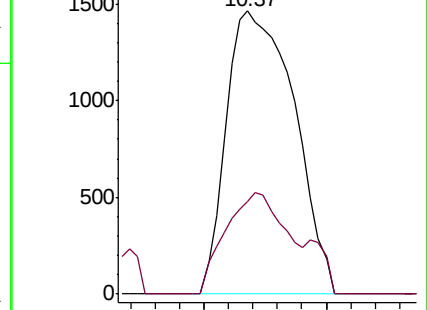
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Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 0.470 ug/l

RT: 9.83 min Scan# 2506

Delta R.T. 0.00 min

Lab File: VN056929.D

Acq: 25 Jul 2019 19:18

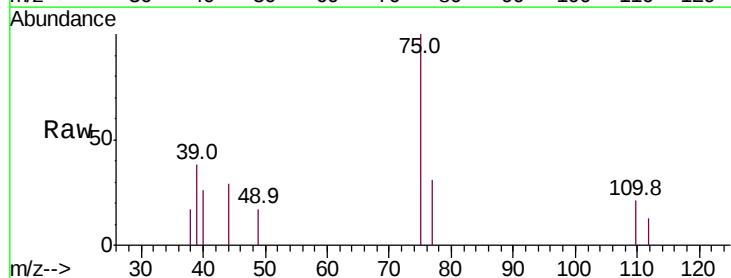
Tgt Ion: 75 Resp: 3356

Ion Ratio Lower Upper

75 100

77 31.4 25.4 38.0

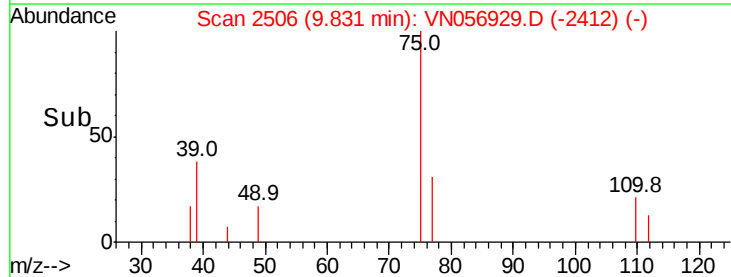
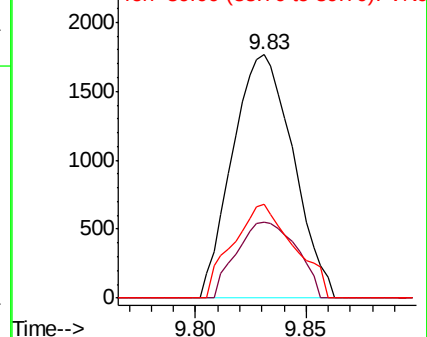
39 38.4 33.4 50.0

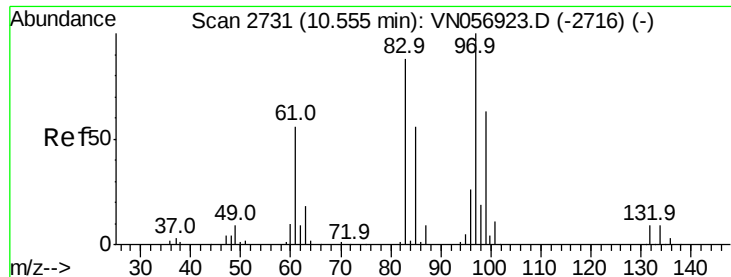


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





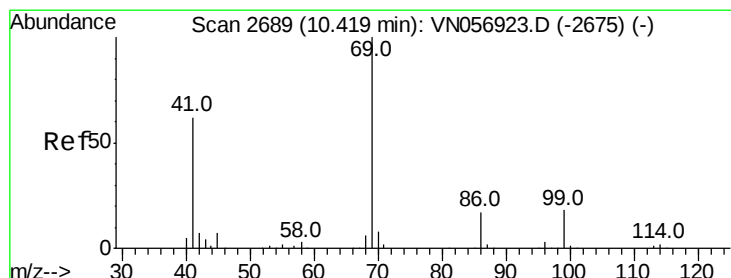
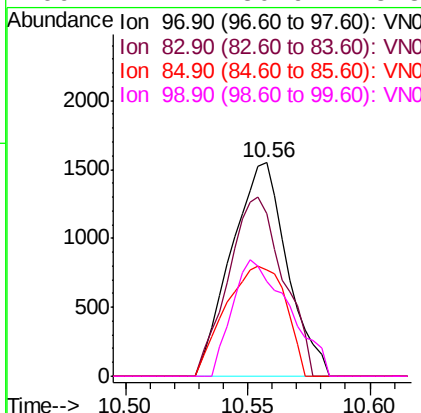
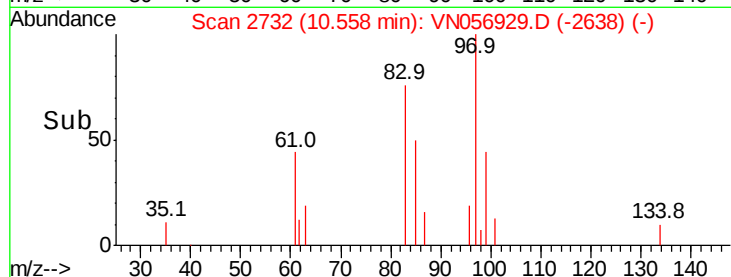
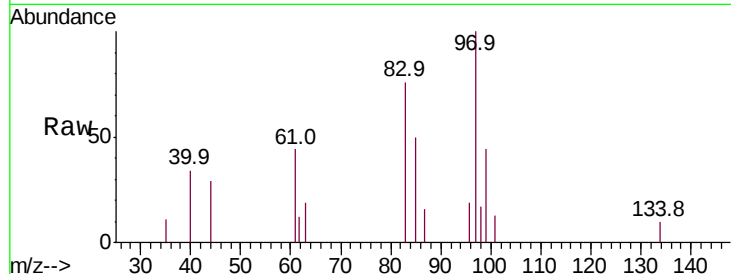
#55
 1,1,2-Trichloroethane
 Concen: 0.536 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. 0.00 min
 Lab File: VN056929.D
 Acq: 25 Jul 2019 19:18

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2019

Tot Ion	Ratio	Lower	Upper
97	100		
83	76.4	70.1	105.1
85	49.7	45.1	67.7
99	44.1	50.6	75.8#

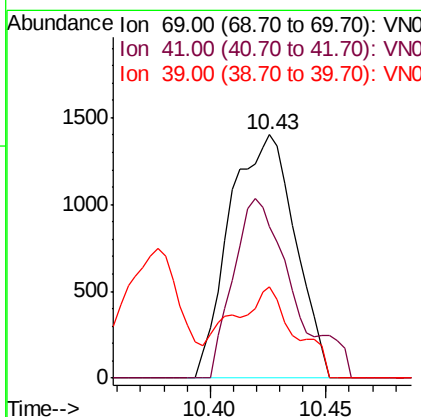
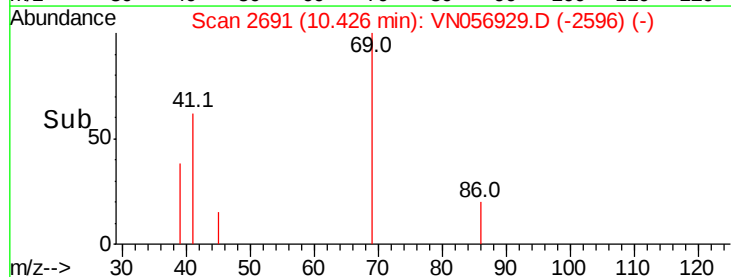
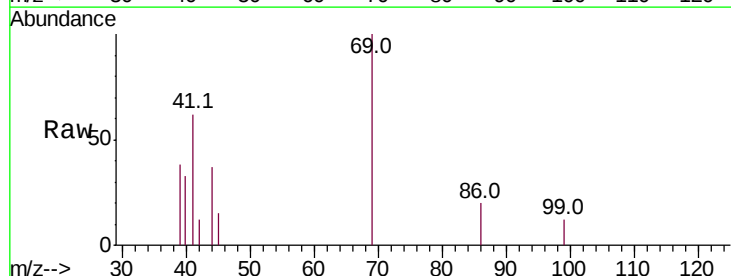
Manual Integrations
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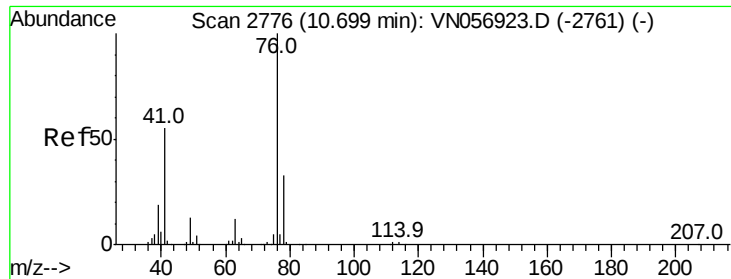
MMDadoda
 7/26/2019 3:37:22 PM



#56
 Ethyl methacrylate
 Concen: 0.447 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. 0.01 min
 Lab File: VN056929.D
 Acq: 25 Jul 2019 19:18

Tgt Ion	Ratio	Lower	Upper
69	100		
41	66.9	49.7	74.5
39	37.1	23.6	35.4#





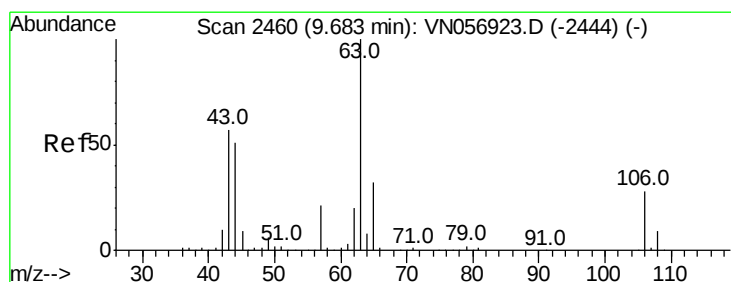
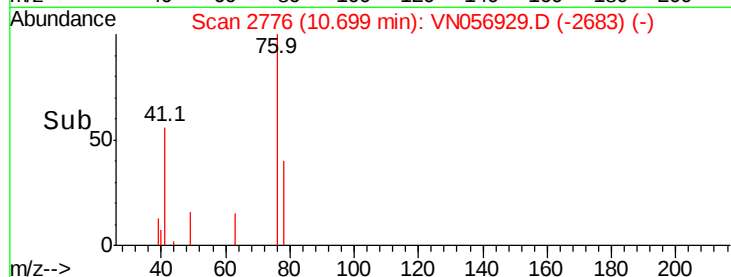
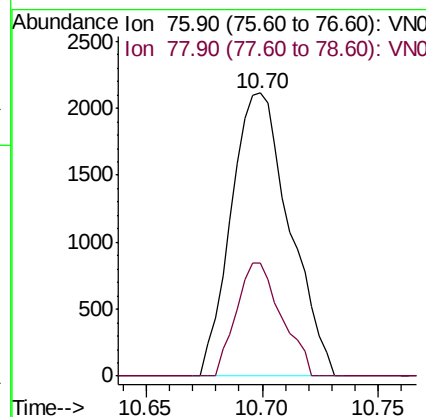
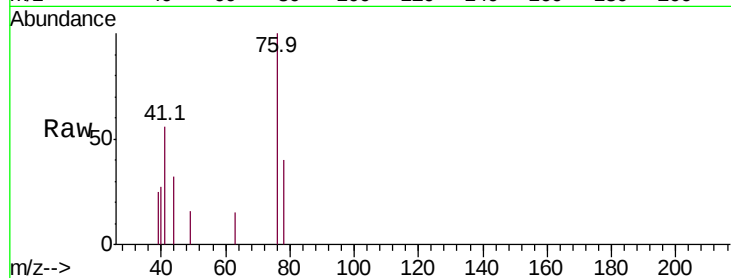
#57
 1,3-Dichloropropane
 Concen: 0.495 ug/l
 RT: 10.70 min Scan# 2776
 Delta R.T. -0.00 min
 Lab File: VN056929.D
 Acq: 25 Jul 2019 19:18

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2019

Tot Ion: 76 Resp: 3709
 Ion Ratio Lower Upper
 76 100
 78 30.7 25.8 38.8

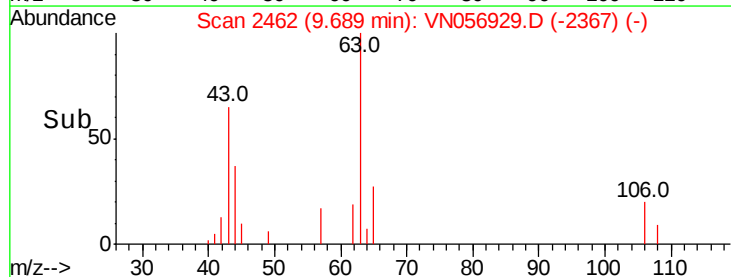
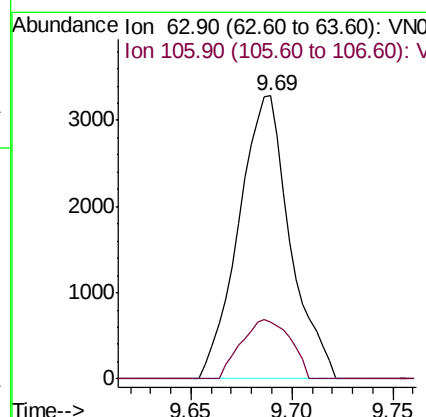
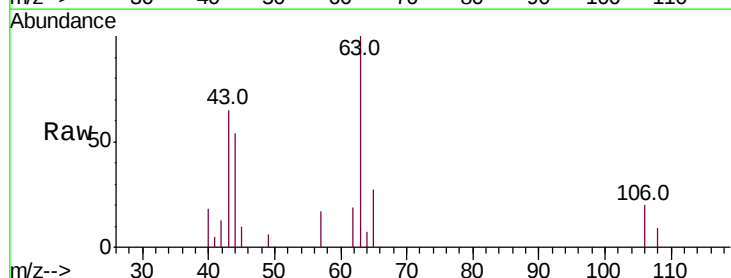
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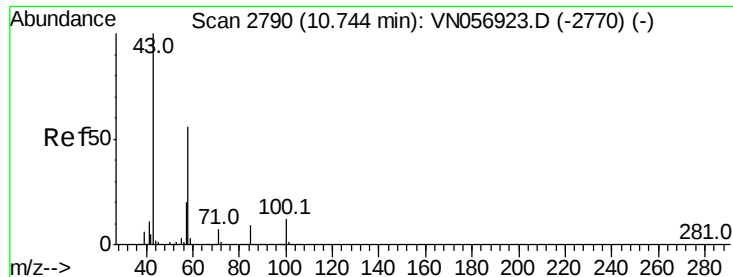
MMDadoda
 7/26/2019 3:37:22 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 2.410 ug/l
 RT: 9.69 min Scan# 2462
 Delta R.T. 0.01 min
 Lab File: VN056929.D
 Acq: 25 Jul 2019 19:18

Tgt Ion: 63 Resp: 5843
 Ion Ratio Lower Upper
 63 100
 106 20.2 22.2 33.4#





#59

2-Hexanone

Concen: 2.285 ug/l

RT: 10.74 min Scan# 2790

Delta R.T. -0.00 min

Lab File: VN056929.D

Acq: 25 Jul 2019 19:18

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT3-2019

Tot Ion: 43 Resp: 7577

Ion Ratio Lower Upper

43 100

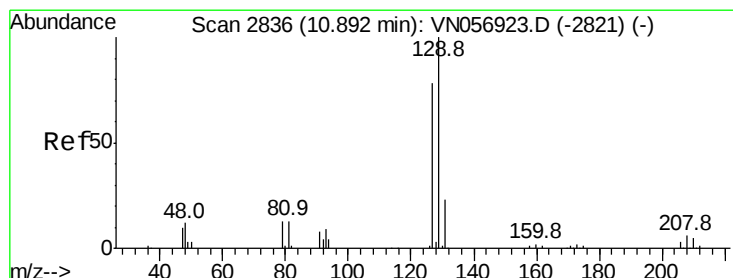
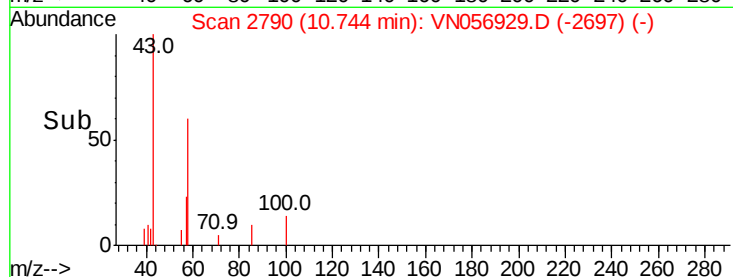
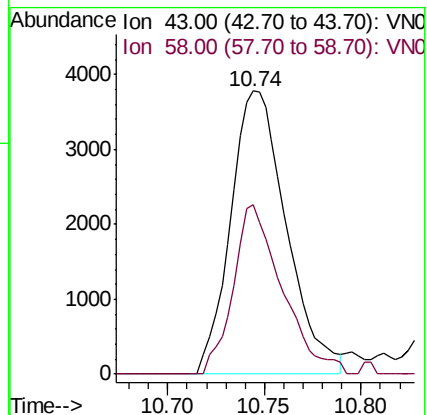
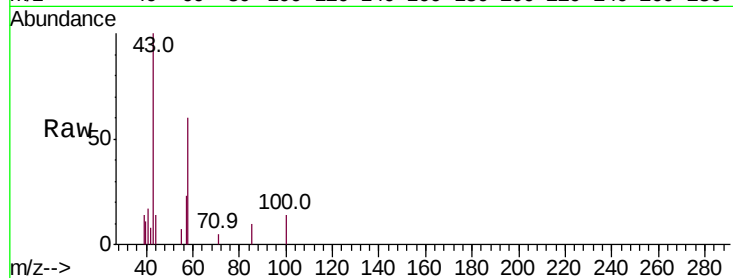
58 52.3 28.2 84.6

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#60

Dibromochloromethane

Concen: 0.481 ug/l

RT: 10.89 min Scan# 2835

Delta R.T. -0.00 min

Lab File: VN056929.D

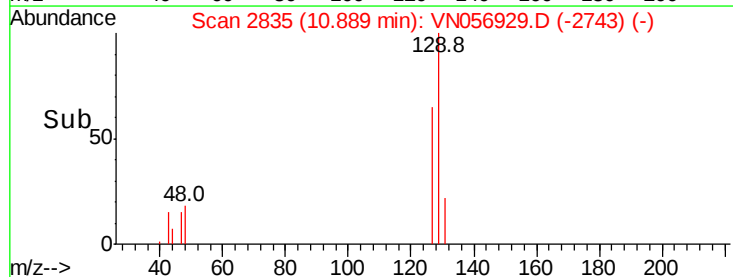
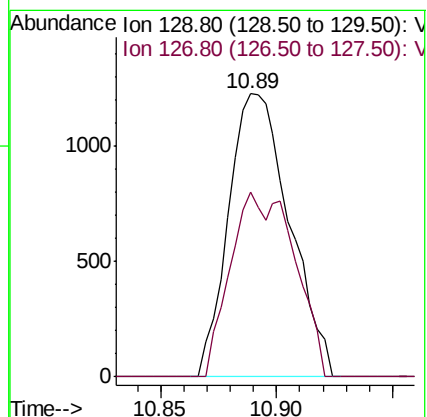
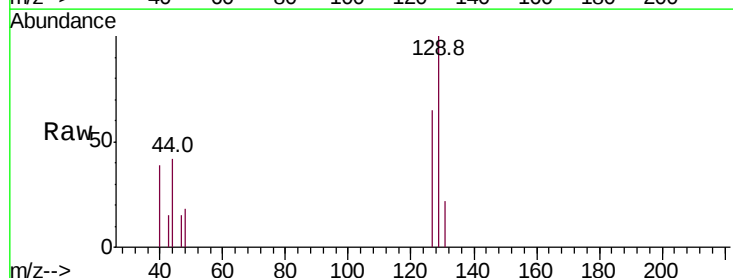
Acq: 25 Jul 2019 19:18

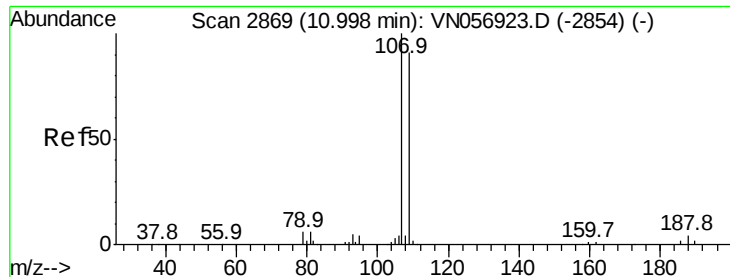
Tgt Ion: 129 Resp: 2237

Ion Ratio Lower Upper

129 100

127 38.2 38.4 115.2#





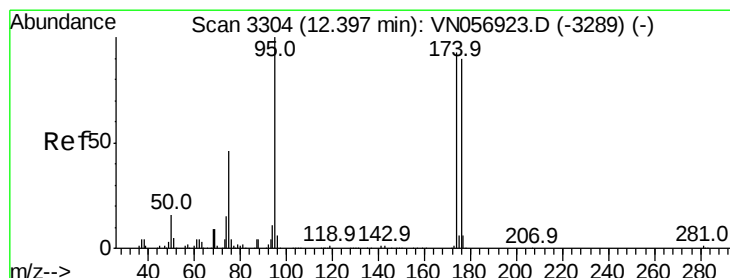
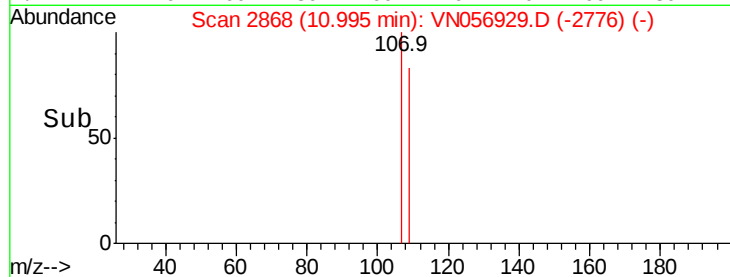
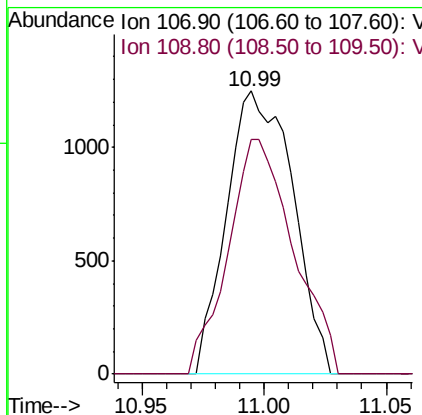
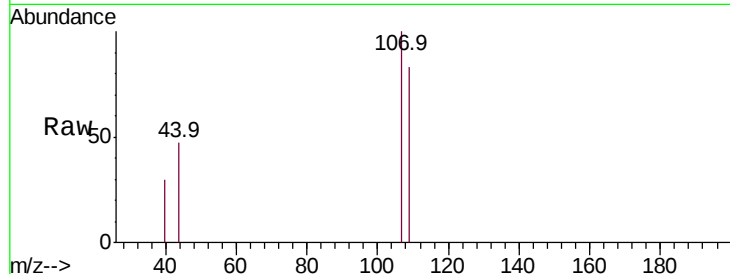
#61
 1,2-Dibromoethane
 Concen: 0.519 ug/l
 RT: 10.99 min Scan# 2868
 Delta R.T. -0.00 min
 Lab File: VN056929.D
 Acq: 25 Jul 2019 19:18

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2019

Tot Ion	Ratio	Lower	Upper
107	100		
109	81.5	74.8	112.2

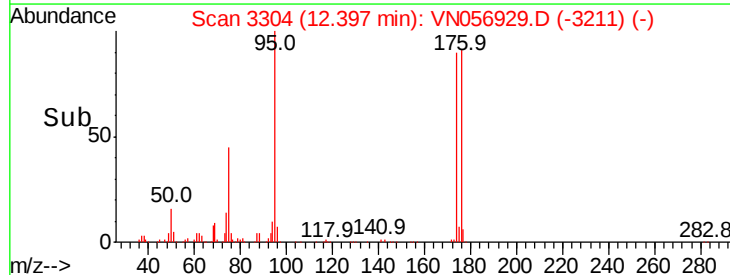
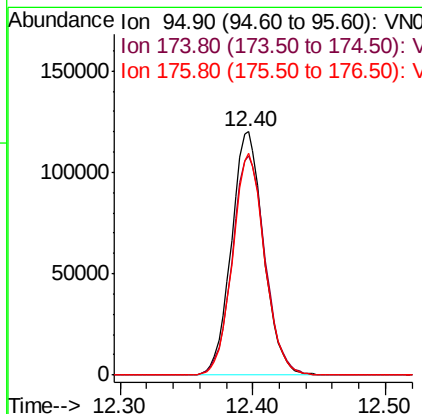
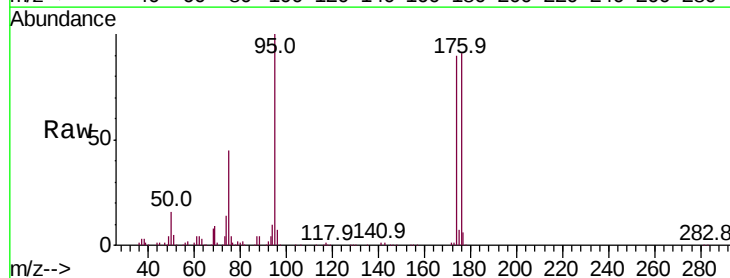
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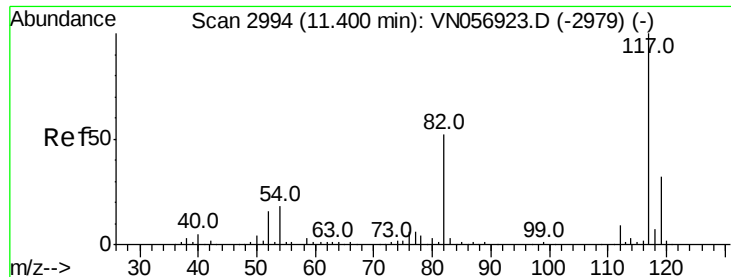
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#62
 4-Bromofluorobenzene
 Concen: 38.317 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. -0.00 min
 Lab File: VN056929.D
 Acq: 25 Jul 2019 19:18

Tgt Ion	Ratio	Lower	Upper
95	100		
174	92.3	0.0	186.2
176	90.3	0.0	179.6





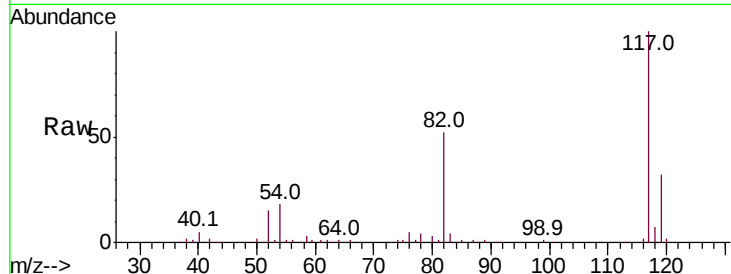
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN056929.D
Acq: 25 Jul 2019 19:18

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2019

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.3	41.7	62.5
119	31.9	25.5	38.3

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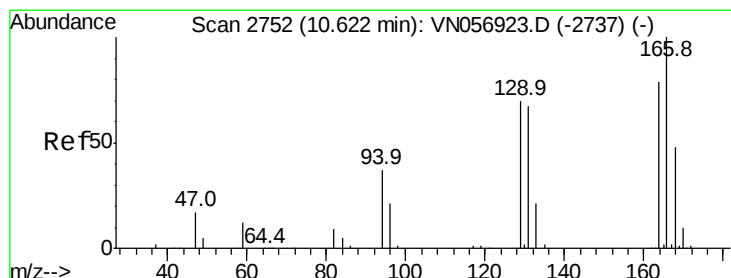
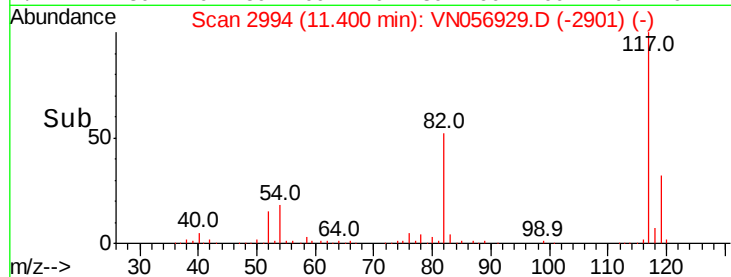
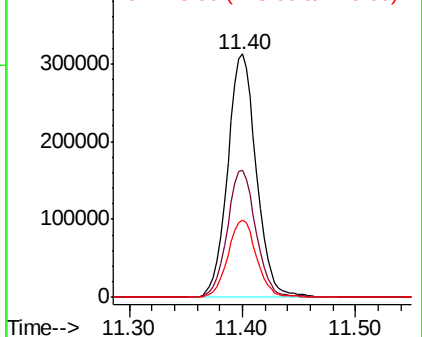


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 0.598 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. -0.00 min
Lab File: VN056929.D
Acq: 25 Jul 2019 19:18

Tgt Ion	Ratio	Lower	Upper
164	100		
166	113.2	101.6	152.4
129	69.6	70.9	106.3
131	84.8	68.4	102.6

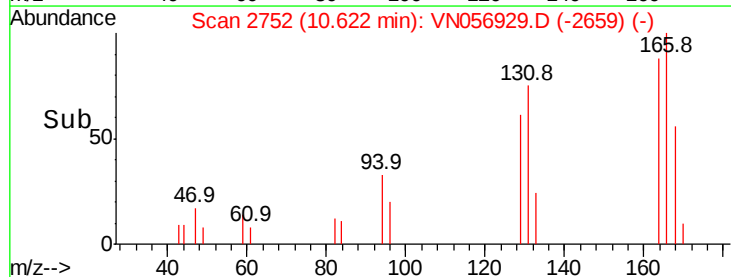
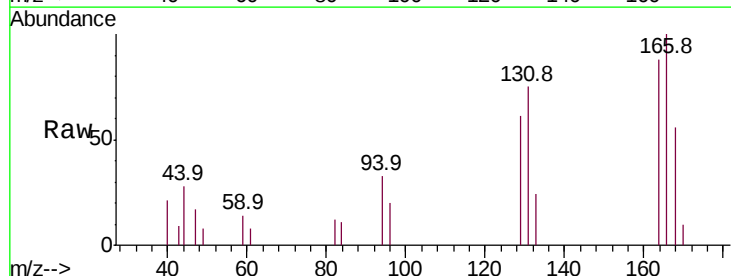
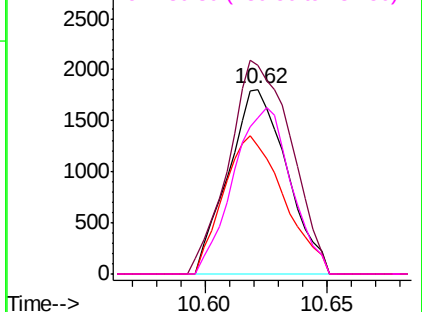
Abundance

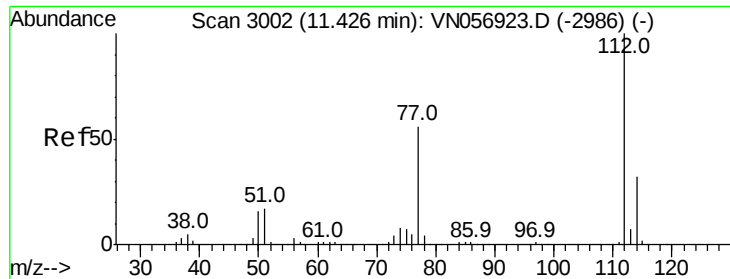
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 0.542 ug/l

RT: 11.43 min Scan# 3002

Delta R.T. -0.00 min

Lab File: VN056929.D

Acq: 25 Jul 2019 19:18

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT3-2019

Tot Ion:112 Resp: 6240

Ion Ratio Lower Upper

112 100

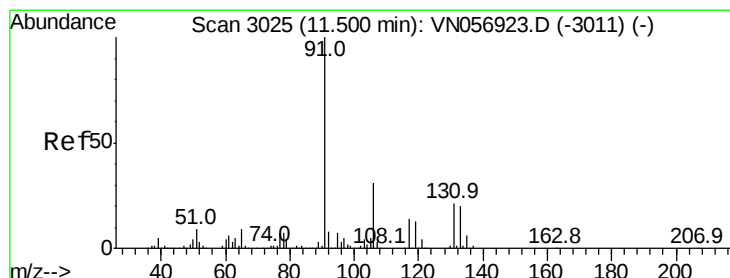
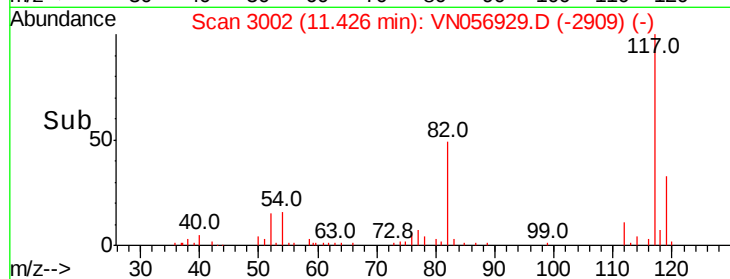
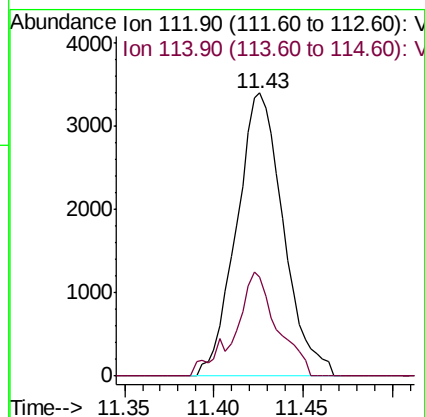
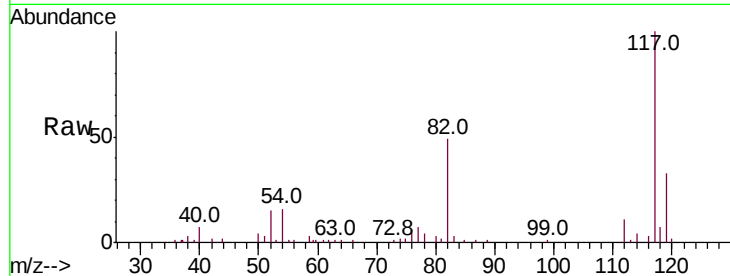
114 35.1 25.8 38.8

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#66

1,1,1,2-Tetrachloroethane

Concen: 0.568 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. 0.00 min

Lab File: VN056929.D

Acq: 25 Jul 2019 19:18

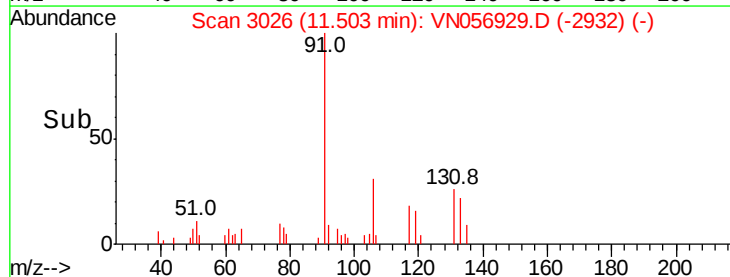
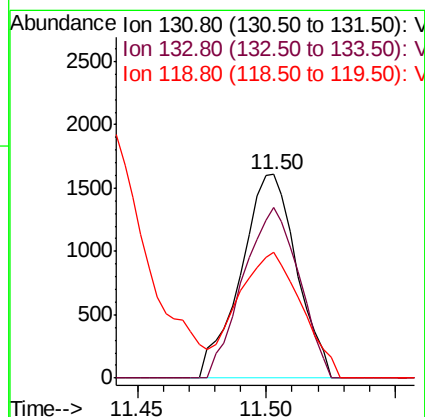
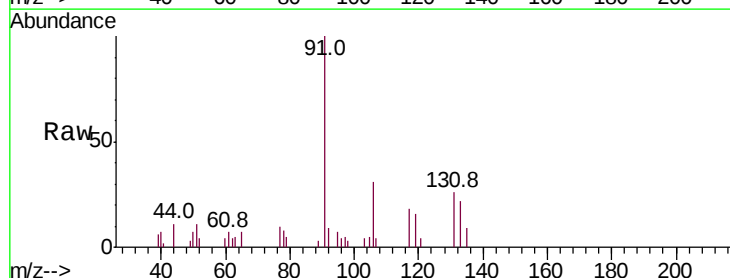
Tgt Ion:131 Resp: 2433

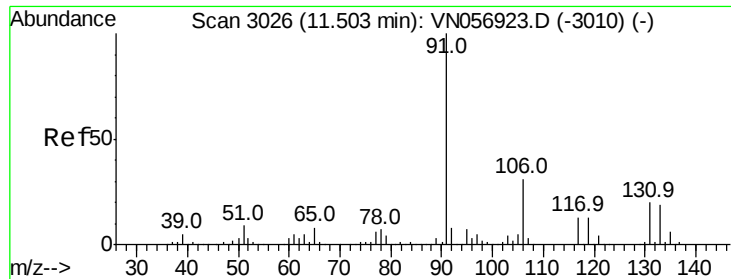
Ion Ratio Lower Upper

131 100

133 83.6 47.1 141.4

119 0.0 32.6 98.0#





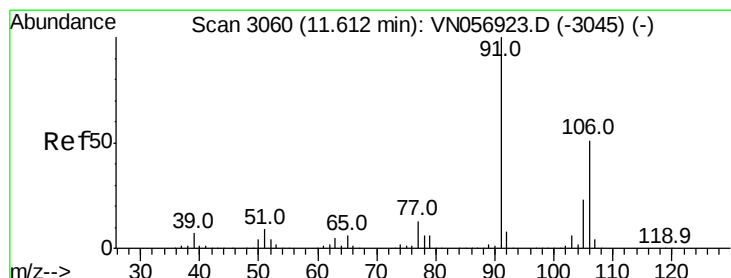
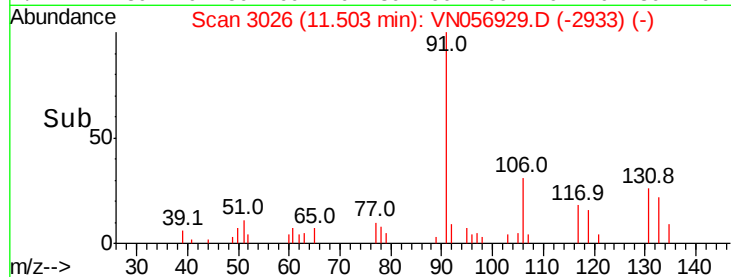
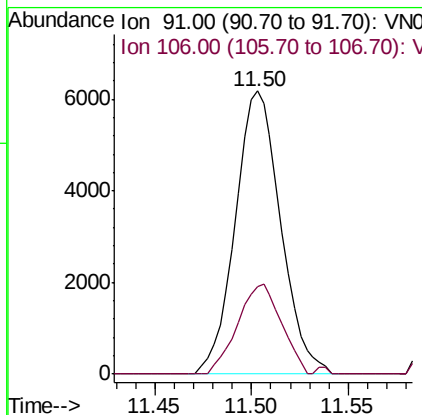
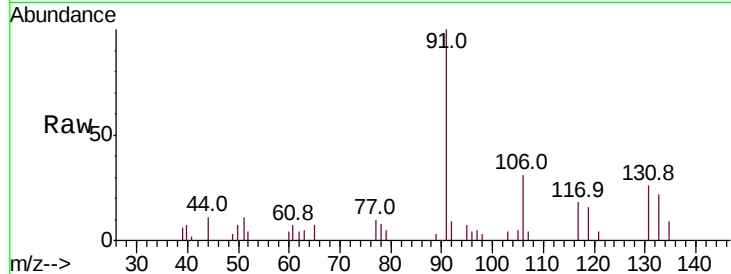
#67
Ethyl Benzene
Concen: 0.508 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. -0.00 min
Lab File: VN056929.D
Acq: 25 Jul 2019 19:18

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2019

Tot Ion: 91 Resp: 10070
Ion Ratio Lower Upper
91 100
106 31.0 24.9 37.3

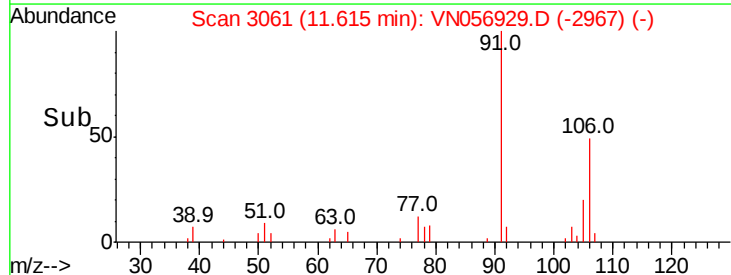
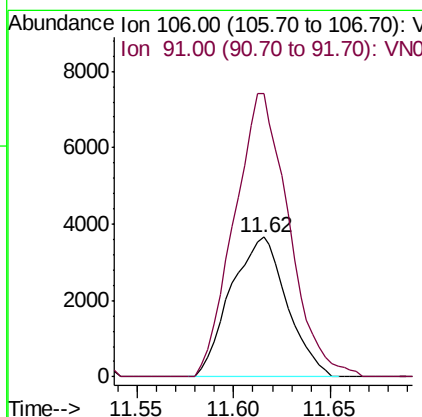
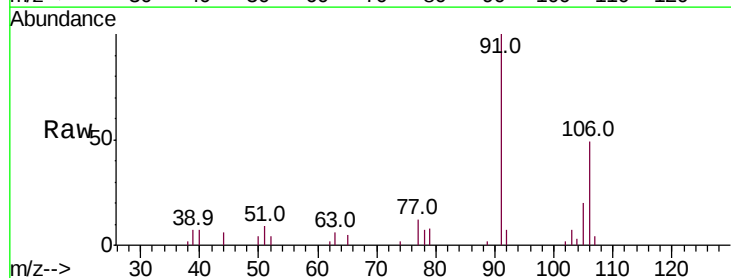
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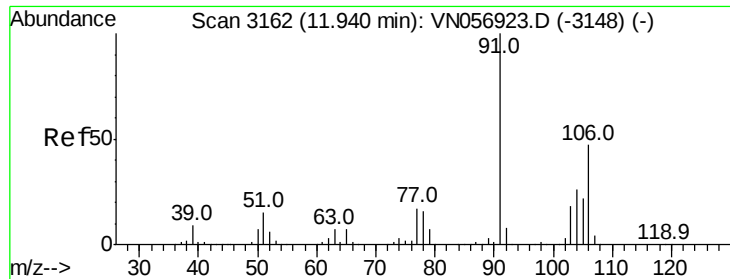
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#68
m/p-Xylenes
Concen: 1.003 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. 0.00 min
Lab File: VN056929.D
Acq: 25 Jul 2019 19:18

Tgt Ion: 106 Resp: 7419
Ion Ratio Lower Upper
106 100
91 196.5 159.6 239.4





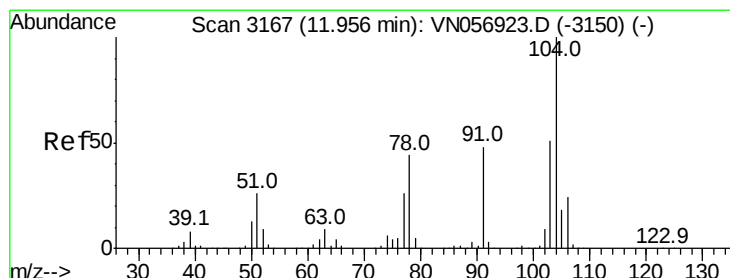
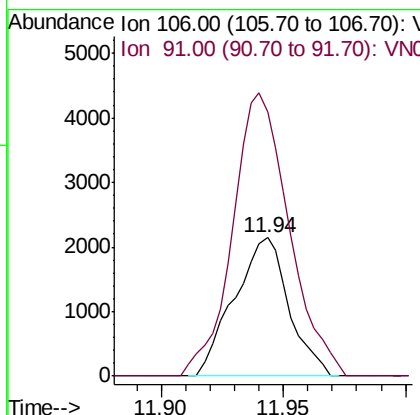
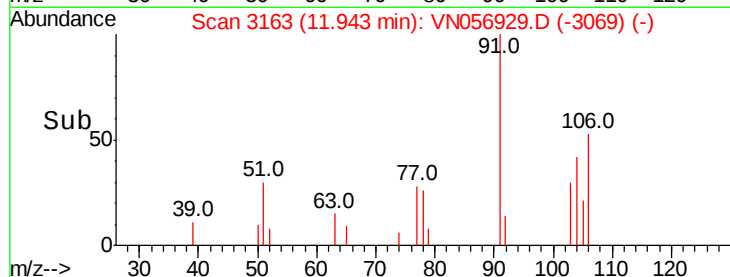
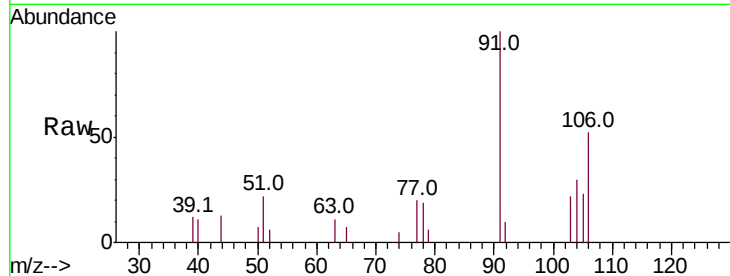
#69
o-Xylene
Concen: 0.459 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. 0.00 min
Lab File: VN056929.D
Acq: 25 Jul 2019 19:18

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2019

Tot Ion:106 Resp: 3325
Ion Ratio Lower Upper
106 100
91 211.5 105.7 317.0

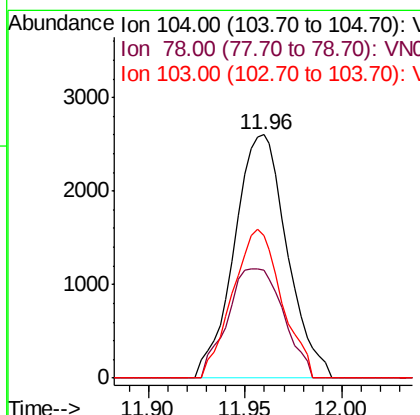
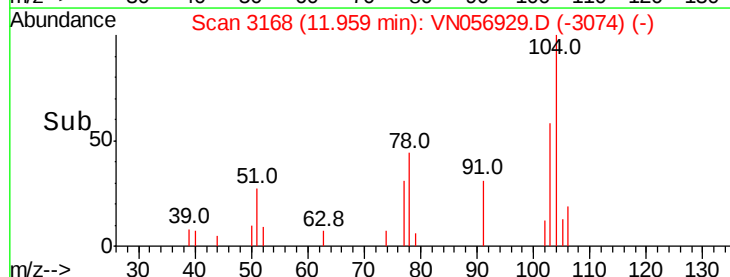
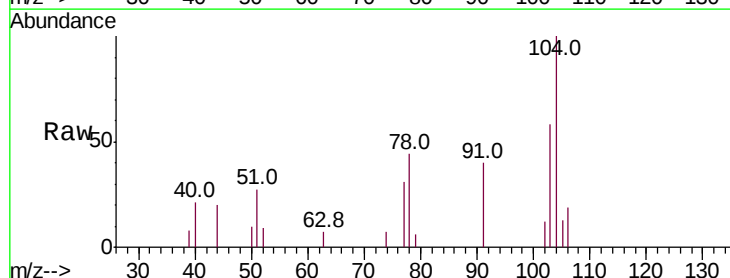
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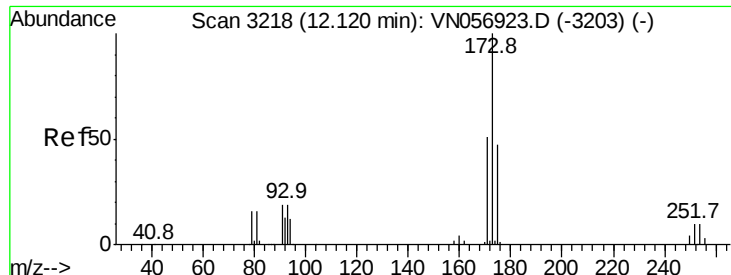
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#70
Styrene
Concen: 0.430 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VN056929.D
Acq: 25 Jul 2019 19:18

Tgt Ion:104 Resp: 4931
Ion Ratio Lower Upper
104 100
78 47.4 38.5 57.7
103 56.7 44.1 66.1





#71

Bromoform

Concen: 0.446 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. -0.00 min

Lab File: VN056929.D

Acq: 25 Jul 2019 19:18

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT3-2019

Tot Ion:173 Resp: 1327

Ion Ratio Lower Upper

173 100

175 41.4 24.2 72.6

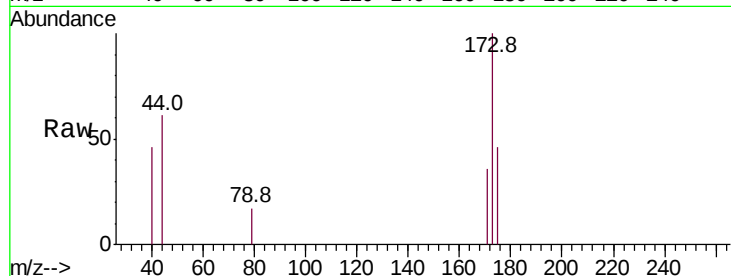
254 0.0 0.1 0.1#

Manual Integrations

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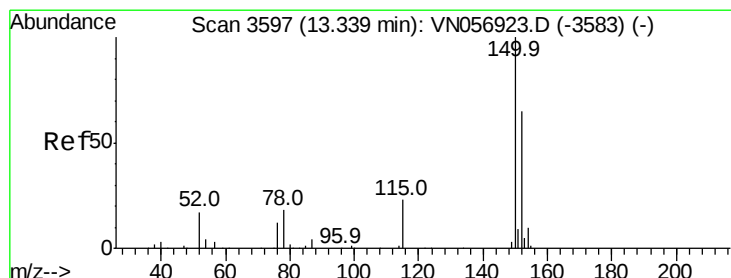
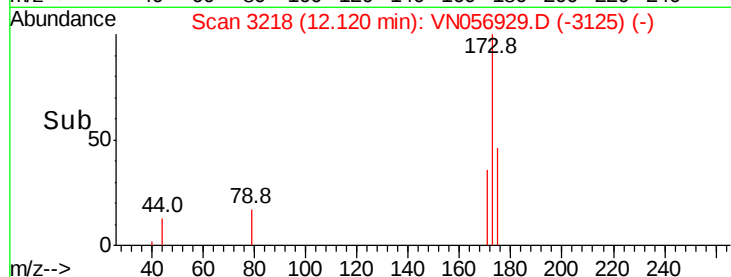
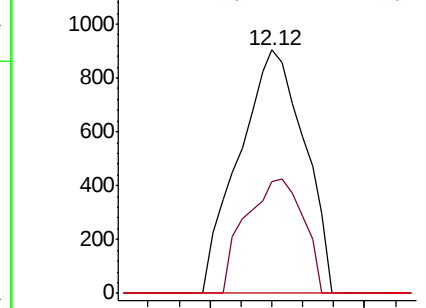
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. -0.00 min

Lab File: VN056929.D

Acq: 25 Jul 2019 19:18

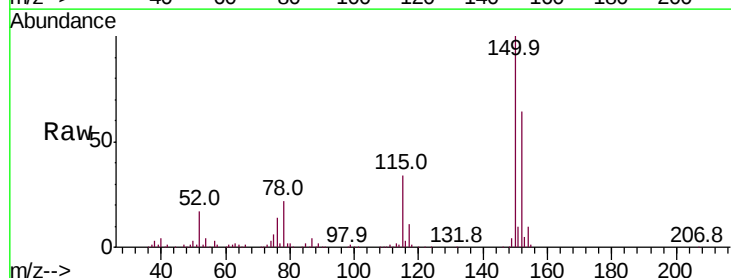
Tgt Ion:152 Resp: 147495

Ion Ratio Lower Upper

152 100

115 54.4 27.9 83.7

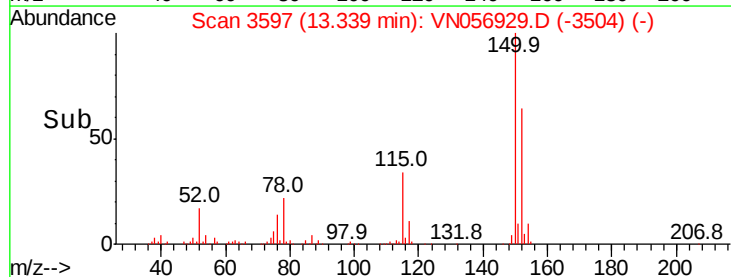
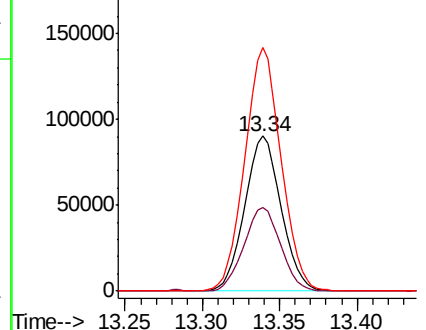
150 157.2 0.0 354.2

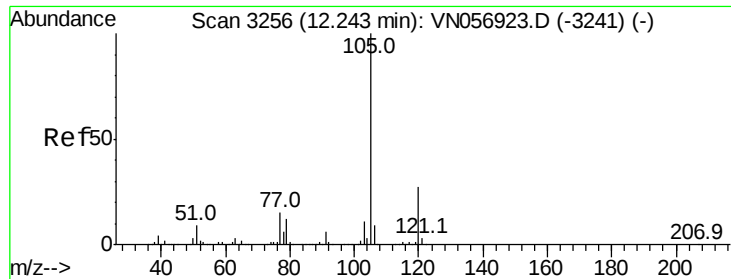


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





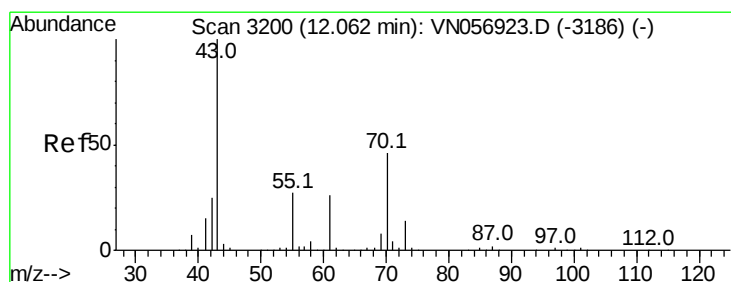
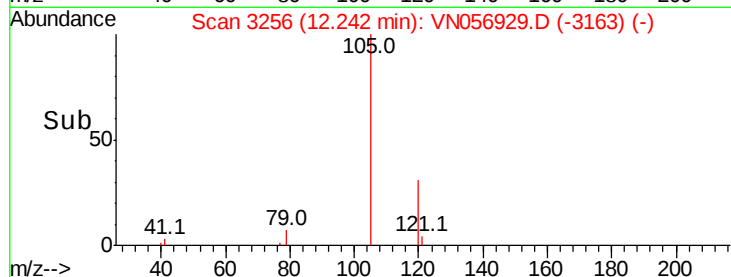
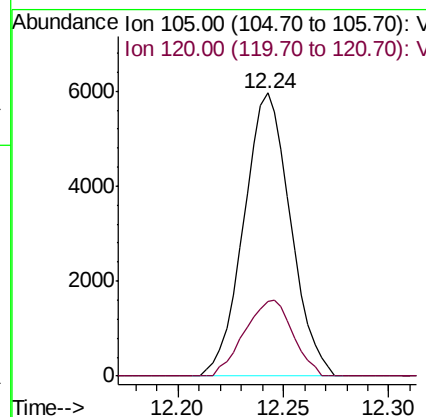
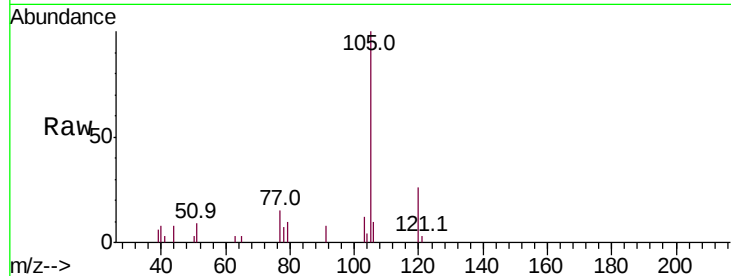
#73
Isopropylbenzene
Concen: 0.685 ug/l
RT: 12.24 min Scan# 3256
Delta R.T. 0.00 min
Lab File: VN056929.D
Acq: 25 Jul 2019 19:18

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2019

Tot Ion: 105 Resp: 9191
Ion Ratio Lower Upper
105 100
120 27.7 13.4 40.1

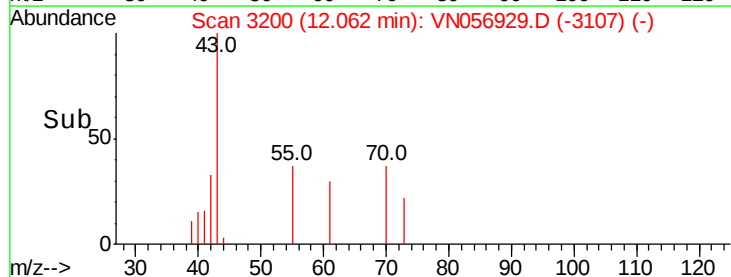
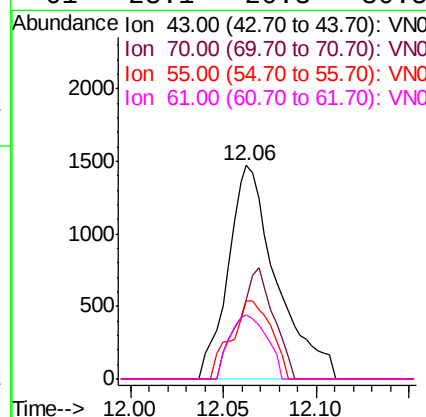
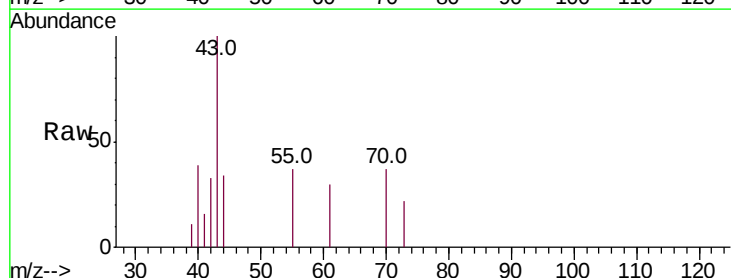
Manual Integrations
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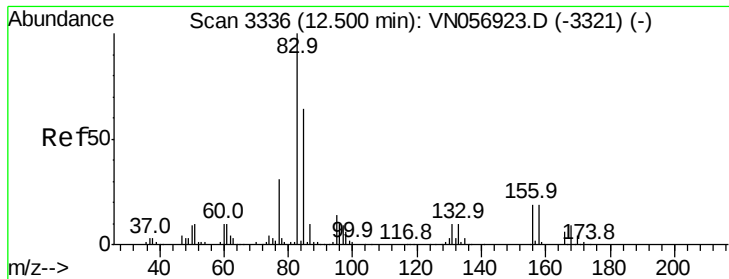
MMDadoda
7/26/2019 3:37:22 PM



#74
N-ethyl acetate
Concen: 0.677 ug/l
RT: 12.06 min Scan# 3200
Delta R.T. -0.00 min
Lab File: VN056929.D
Acq: 25 Jul 2019 19:18

Tgt Ion: 43 Resp: 2666
Ion Ratio Lower Upper
43 100
70 37.5 35.9 53.9
55 30.2 21.4 32.2
61 23.1 20.3 30.5





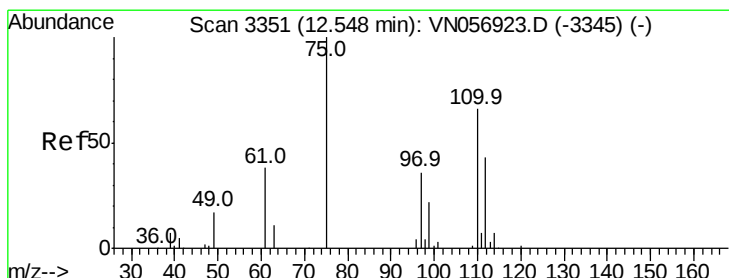
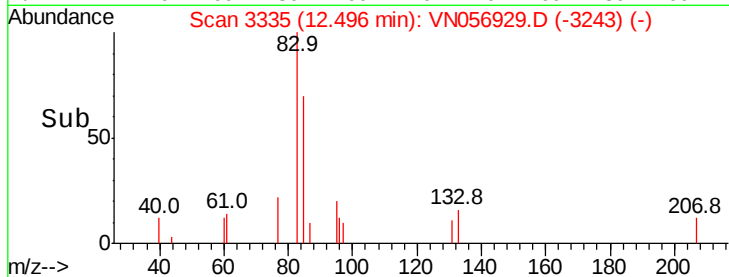
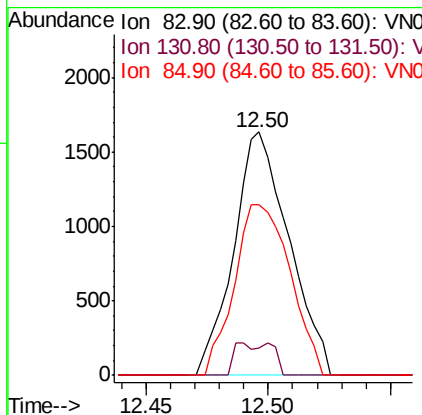
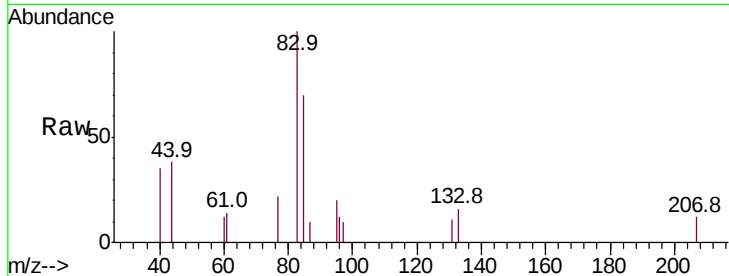
#75
 1,1,2,2-Tetrachloroethane
 Concen: 0.662 ug/l
 RT: 12.50 min Scan# 3335
 Delta R.T. -0.00 min
 Lab File: VN056929.D
 Acq: 25 Jul 2019 19:18

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2019

Tot Ion	Ratio	Lower	Upper
83	100		
131	4.6	5.3	15.8#
85	71.0	32.3	96.9

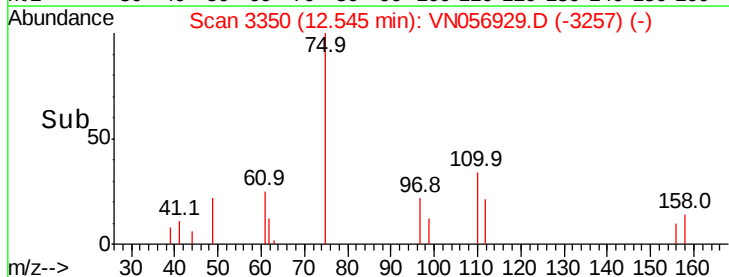
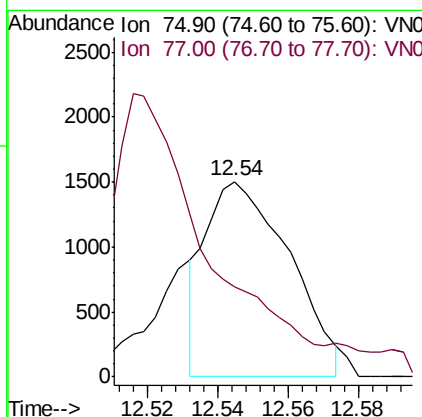
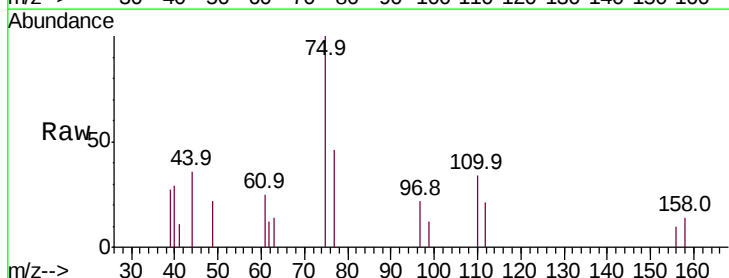
Manual Integrations
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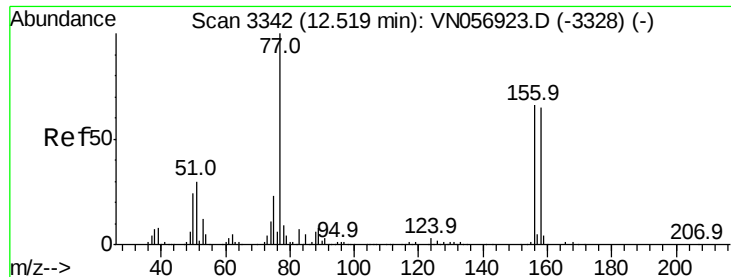
MMDadoda
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#76
 1,2,3-Trichloropropane
 Concen: 0.845 ug/l m
 RT: 12.54 min Scan# 3350
 Delta R.T. -0.00 min
 Lab File: VN056929.D
 Acq: 25 Jul 2019 19:18

Tgt Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 0.694 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. -0.00 min

Lab File: VN056929.D

Acq: 25 Jul 2019 19:18

Instrument :

MSVOA_N

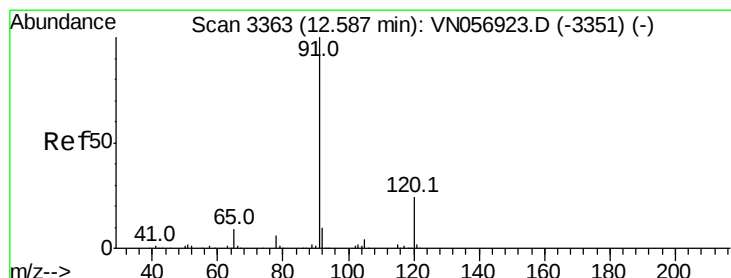
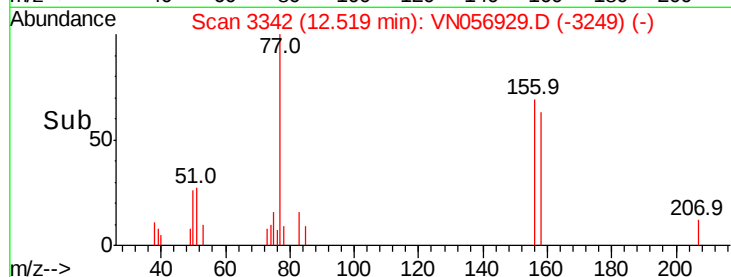
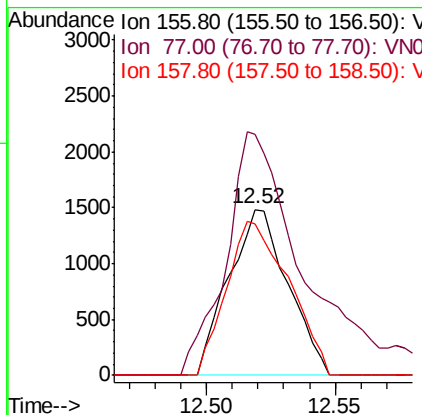
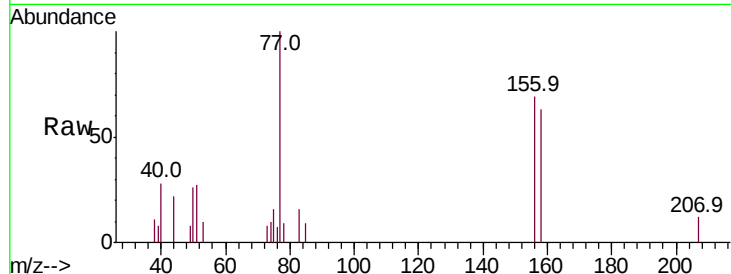
ClientSampleId :

LOD-MDL-WATER-01-QT3-2019

Tot Ion:	156	Resp:	2380
Ion	Ratio	Lower	Upper
156	100		
77	194.7	90.8	272.3
158	97.8	49.5	148.5

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#78

n-propylbenzene

Concen: 0.642 ug/l

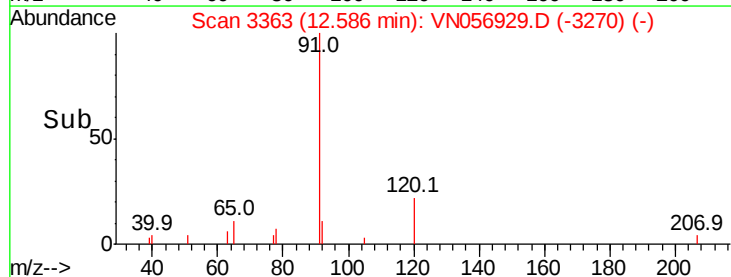
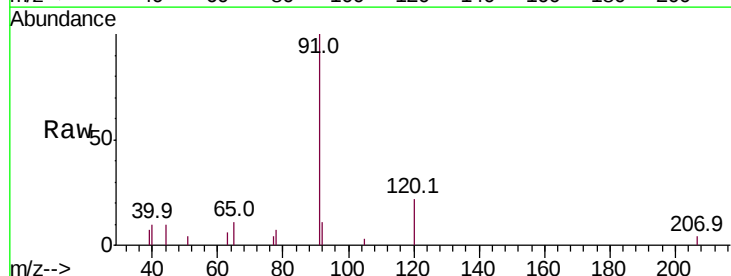
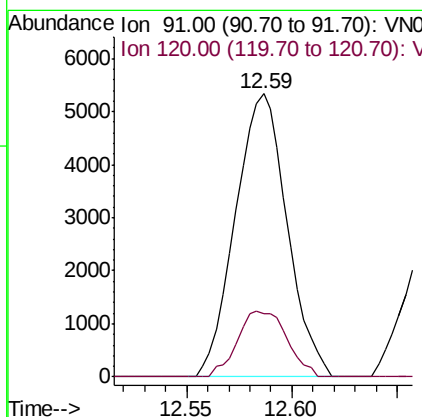
RT: 12.59 min Scan# 3363

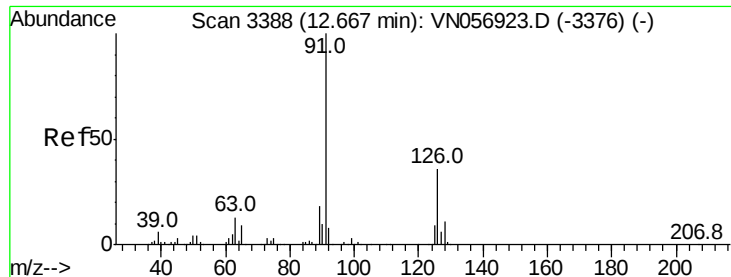
Delta R.T. -0.00 min

Lab File: VN056929.D

Acq: 25 Jul 2019 19:18

Tgt Ion:	91	Resp:	9101
Ion	Ratio	Lower	Upper
91	100		
120	22.3	11.9	35.7





#79

2-Chlorotoluene

Concen: 0.698 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VN056929.D

Acq: 25 Jul 2019 19:18

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT3-2019

Tot Ion: 91 Resp: 6163

Ion Ratio Lower Upper

91 100

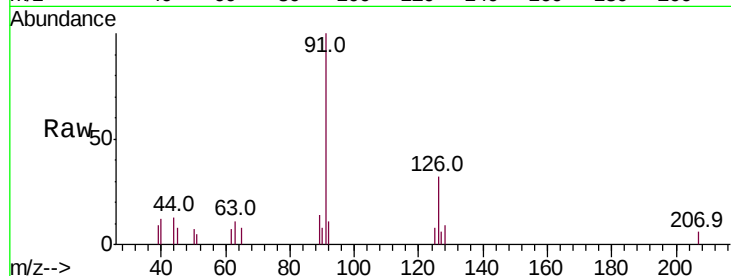
126 32.9 17.9 53.7

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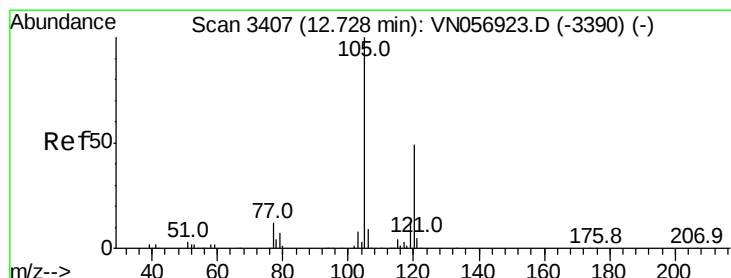
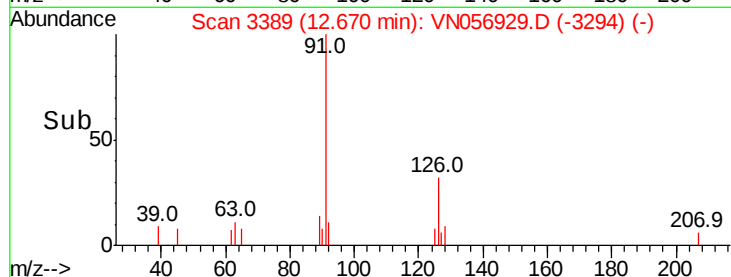


Abundance Ion 91.00 (90.70 to 91.70): VN056929.D (-3376) (-)

Ion 125.90 (125.60 to 126.60): VN056929.D (-3376) (-)

12.67

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 0.684 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN056929.D

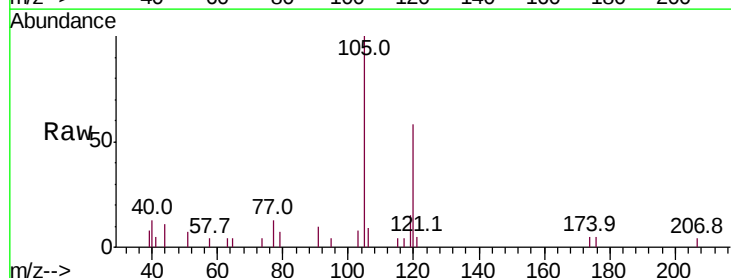
Acq: 25 Jul 2019 19:18

Tgt Ion: 105 Resp: 7587

Ion Ratio Lower Upper

105 100

120 54.6 24.9 74.7

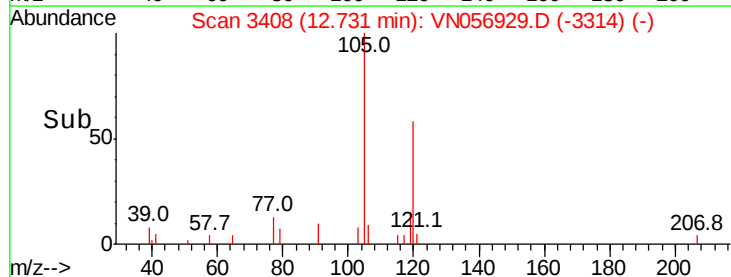


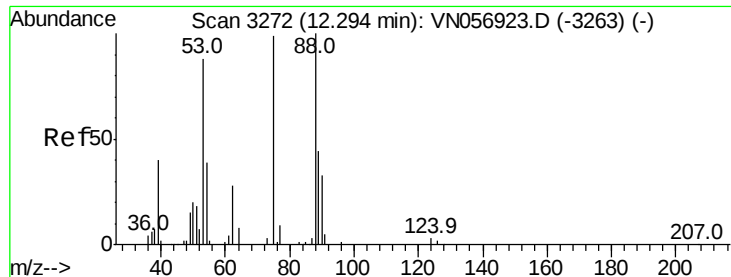
Abundance Ion 105.00 (104.70 to 105.70): VN056929.D (-3390) (-)

Ion 120.00 (119.70 to 120.70): VN056929.D (-3390) (-)

12.73

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 0.510 ug/l m

RT: 12.29 min Scan# 3270

Delta R.T. -0.01 min

Lab File: VN056929.D

Acq: 25 Jul 2019 19:18

Instrument :

MSVOA_N

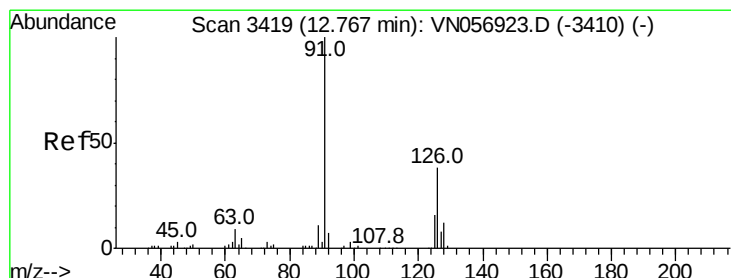
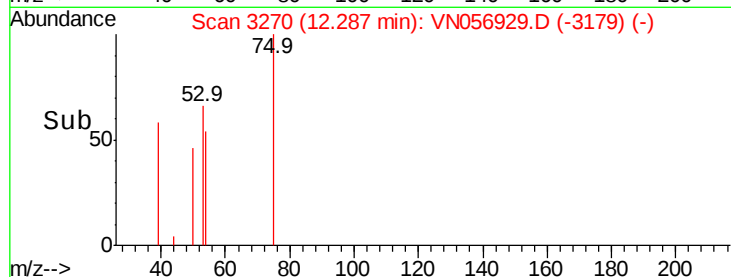
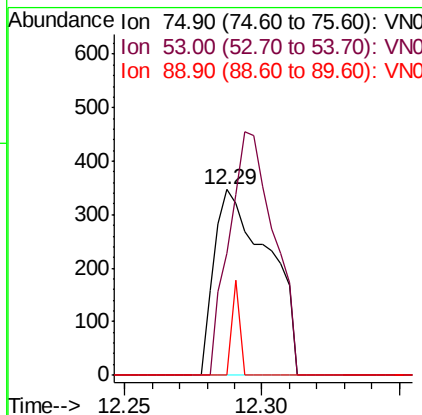
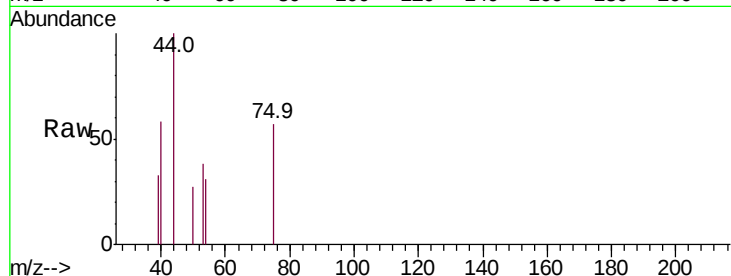
ClientSampleId :

LOD-MDL-WATER-01-QT3-2019

Tot Ion:	75	Resp:	478
Ion	Ratio	Lower	Upper
75	100		
53	0.0	72.3	108.5#
89	0.0	36.2	54.2#

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#82

4-Chlorotoluene

Concen: 0.630 ug/l

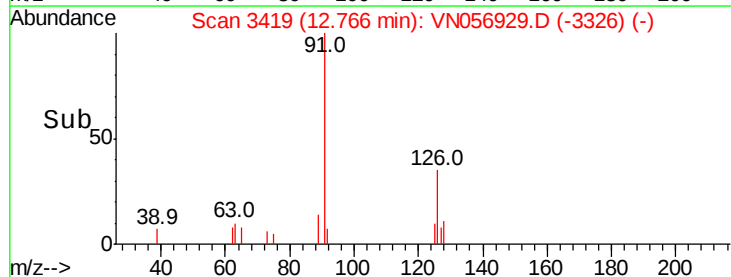
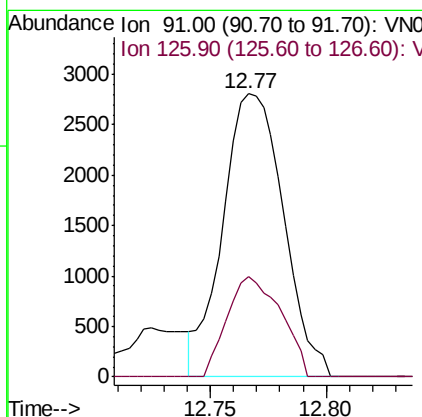
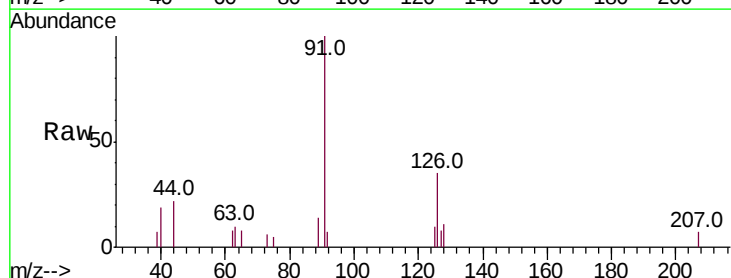
RT: 12.77 min Scan# 3419

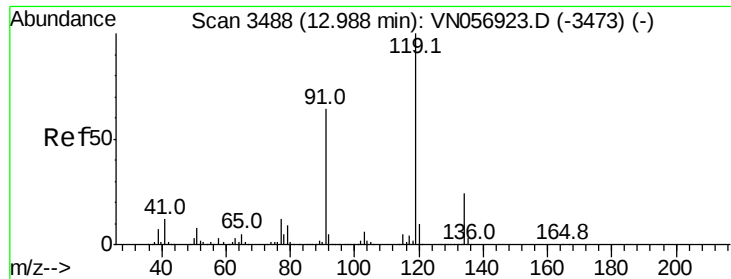
Delta R.T. -0.00 min

Lab File: VN056929.D

Acq: 25 Jul 2019 19:18

Tgt Ion:	91	Resp:	5110
Ion	Ratio	Lower	Upper
91	100		
126	31.4	17.3	51.7





#83

tert-Butylbenzene

Concen: 0.821 ug/l

RT: 12.99 min Scan# 3488

Delta R.T. 0.00 min

Lab File: VN056929.D

Acq: 25 Jul 2019 19:18

Instrument :

MSVOA_N

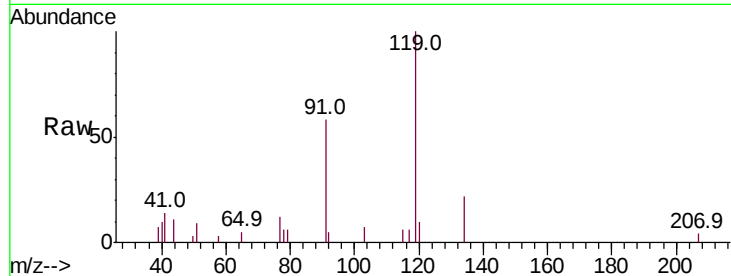
ClientSampleId :

LOD-MDL-WATER-01-QT3-2019

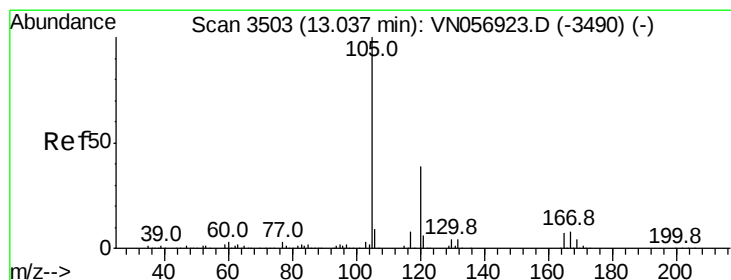
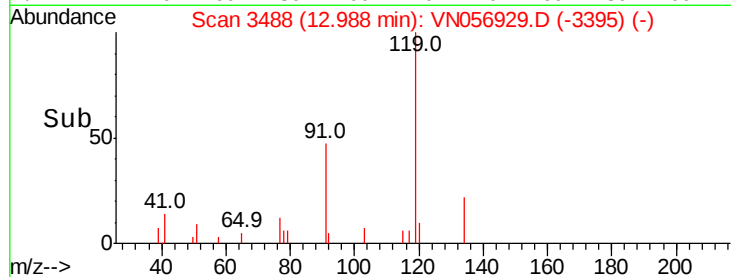
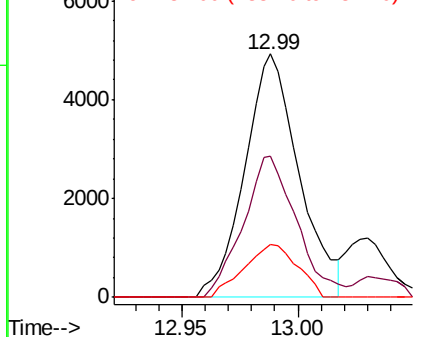
Tot Ion:119	Resp:	8023
Ion Ratio	Lower	Upper
119 100		
91 57.3	31.6	95.0
134 21.3	13.2	39.5

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Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 0.632 ug/l

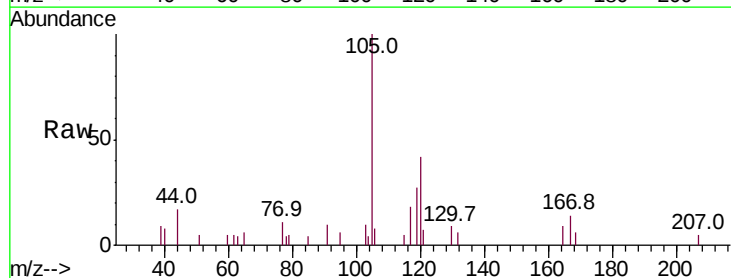
RT: 13.03 min Scan# 3502

Delta R.T. -0.00 min

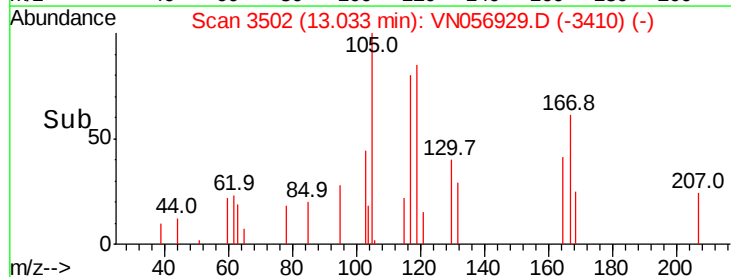
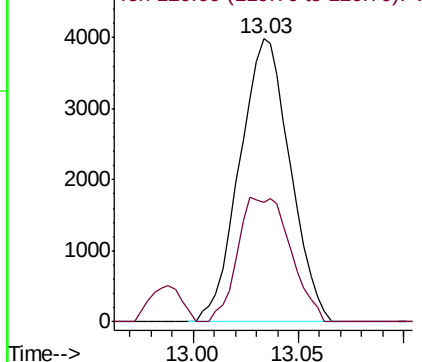
Lab File: VN056929.D

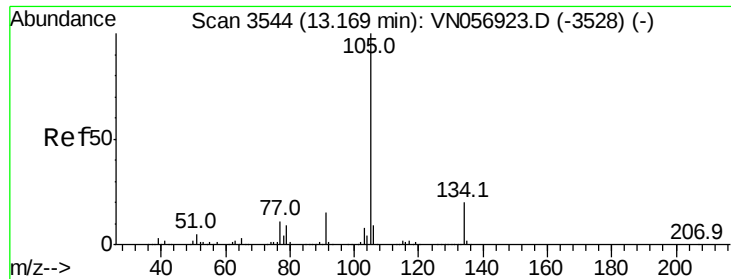
Acq: 25 Jul 2019 19:18

Tgt Ion:105	Resp:	6630
Ion Ratio	Lower	Upper
105 100		
120 45.9	23.1	69.2



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 0.645 ug/l

RT: 13.17 min Scan# 3543

Delta R.T. -0.00 min

Lab File: VN056929.D

Acq: 25 Jul 2019 19:18

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT3-2019

Tot Ion:105 Resp: 7965

Ion Ratio Lower Upper

105 100

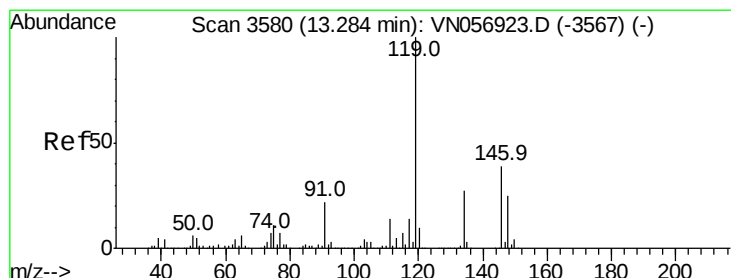
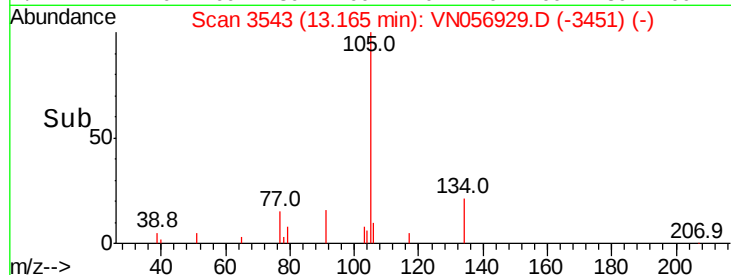
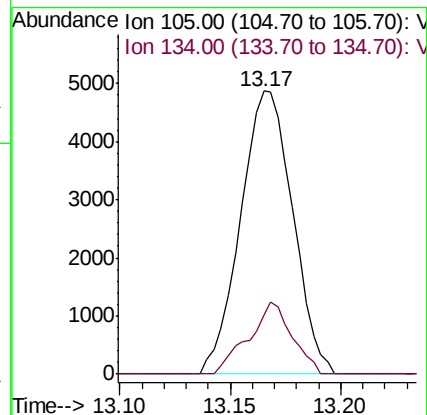
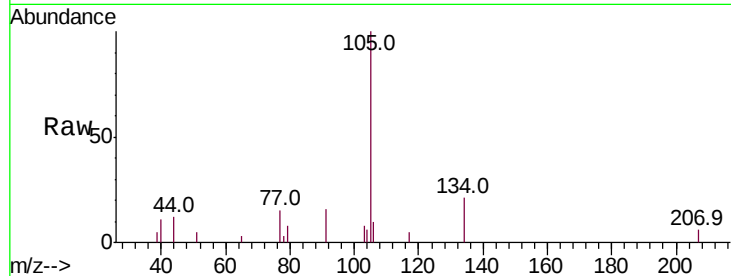
134 21.1 10.3 30.8

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#86

p-Isopropyltoluene

Concen: 0.675 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN056929.D

Acq: 25 Jul 2019 19:18

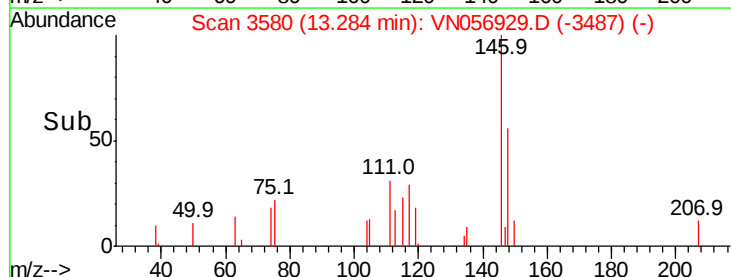
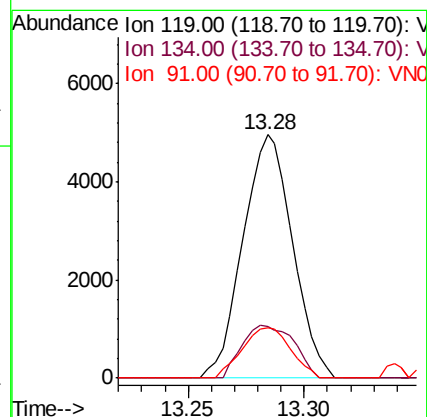
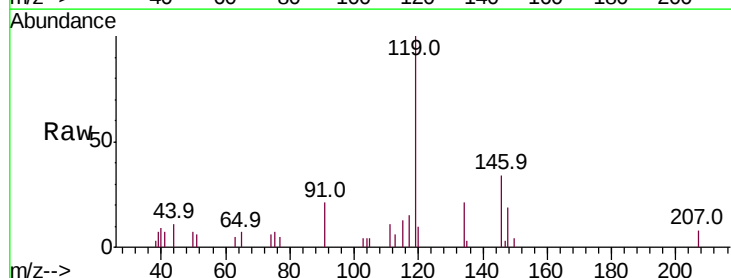
Tgt Ion:119 Resp: 7369

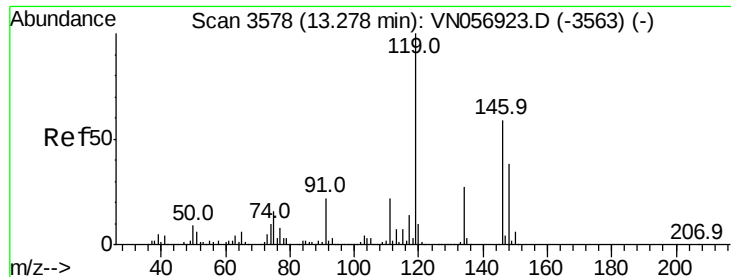
Ion Ratio Lower Upper

119 100

134 22.6 13.5 40.5

91 20.3 11.0 33.0





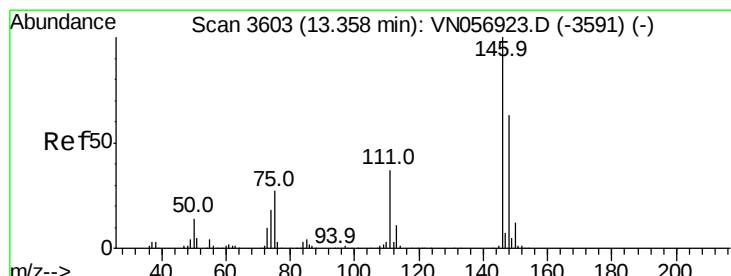
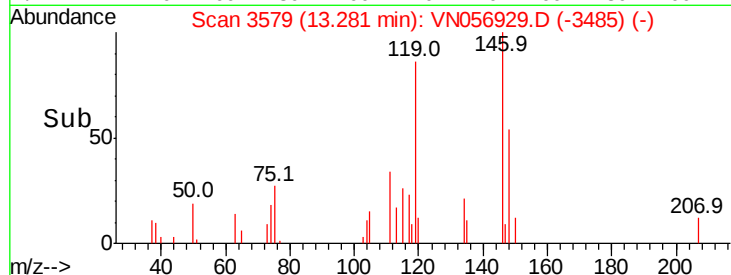
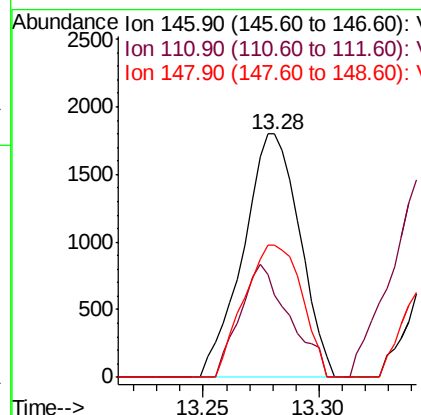
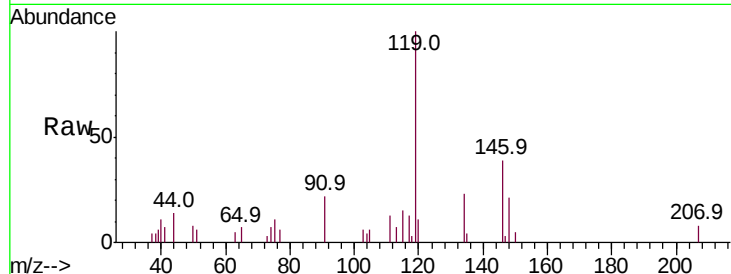
#87
 1,3-Dichlorobenzene
 Concen: 0.594 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN056929.D
 Acq: 25 Jul 2019 19:18

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2019

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.6	18.6	56.0
148	55.5	31.6	94.7

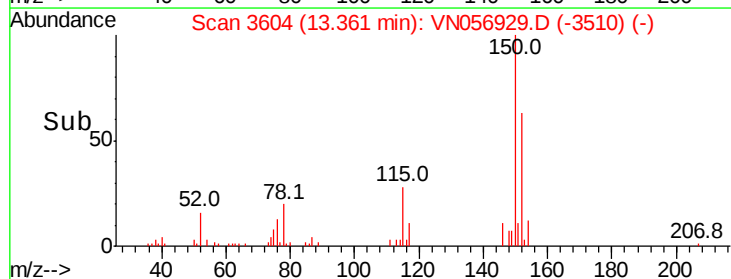
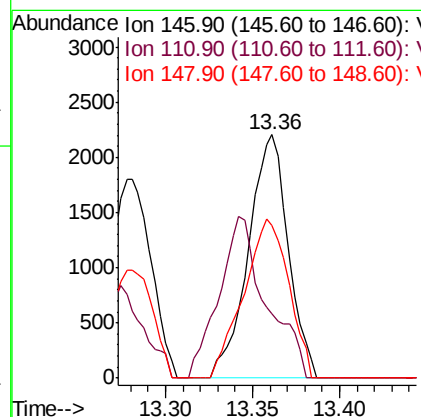
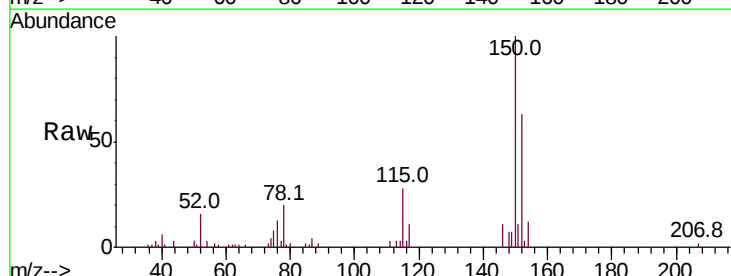
Manual Integrations
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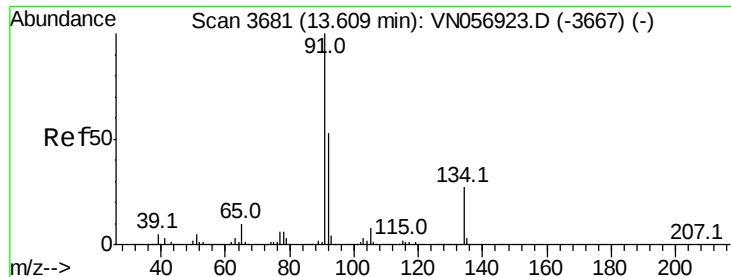
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#88
 1,4-Dichlorobenzene
 Concen: 0.711 ug/l m
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN056929.D
 Acq: 25 Jul 2019 19:18

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.5	18.9	56.5
148	48.4	32.1	96.3





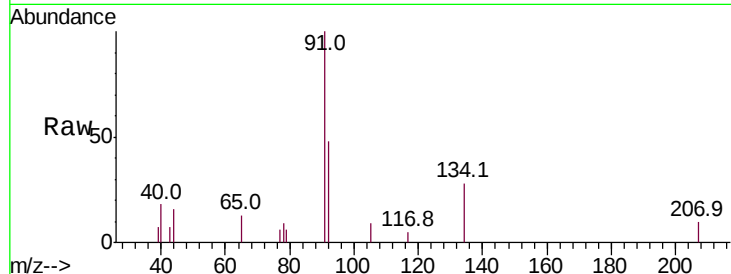
#89
n-Butylbenzene
Concen: 0.572 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN056929.D
Acq: 25 Jul 2019 19:18

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2019

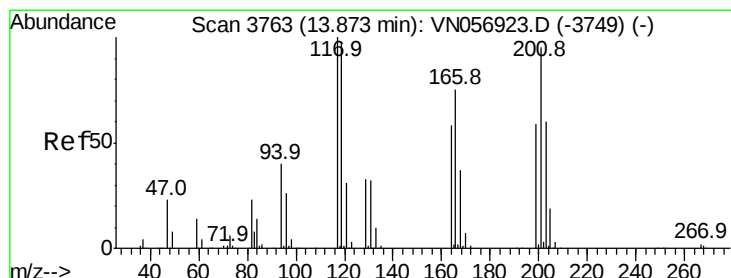
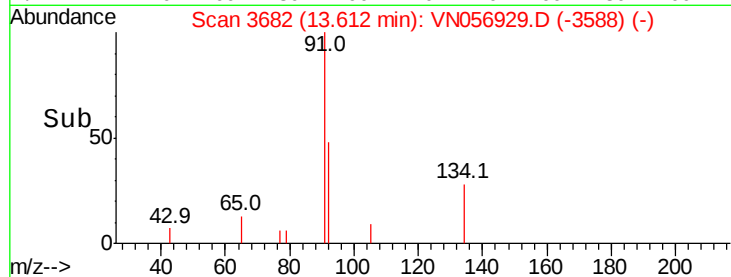
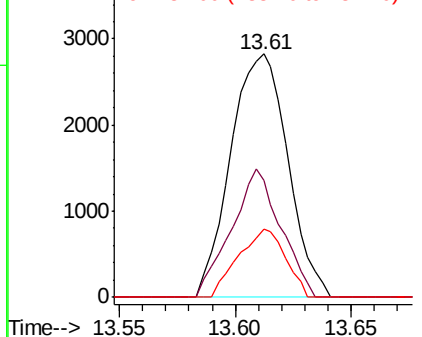
Tot Ion	Ratio	Lower	Upper
91	100		
92	45.4	26.5	79.5
134	23.1	13.5	40.5

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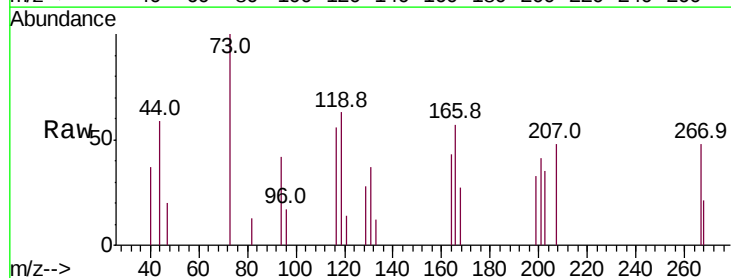


Abundance Ion 91.00 (90.70 to 91.70): VN0
Ion 92.00 (91.70 to 92.70): VN0
Ion 134.00 (133.70 to 134.70): V

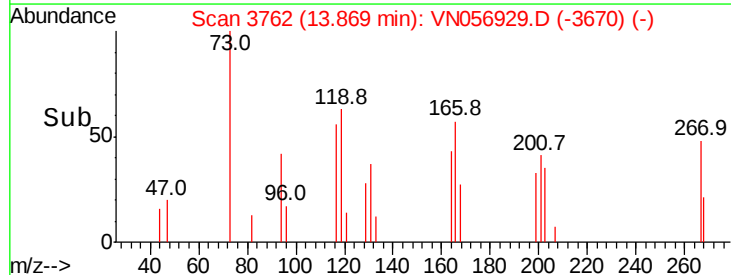
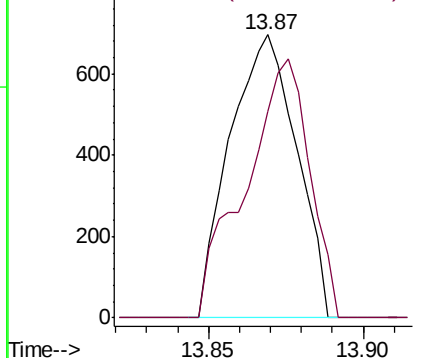


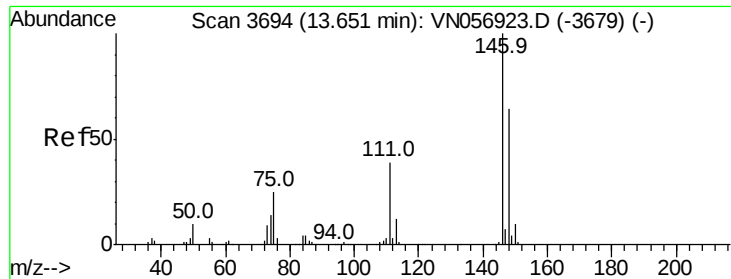
#90
Hexachloroethane
Concen: 0.541 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. -0.00 min
Lab File: VN056929.D
Acq: 25 Jul 2019 19:18

Tgt Ion	Ratio	Lower	Upper
117	100		
201	87.9	47.3	142.0



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 200.70 (200.40 to 201.40): V





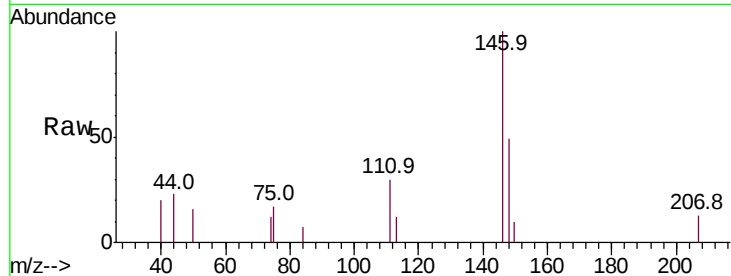
#91
 1,2-Dichlorobenzene
 Concen: 0.662 ug/l
 RT: 13.65 min Scan# 3693
 Delta R.T. -0.00 min
 Lab File: VN056929.D
 Acq: 25 Jul 2019 19:18

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2019

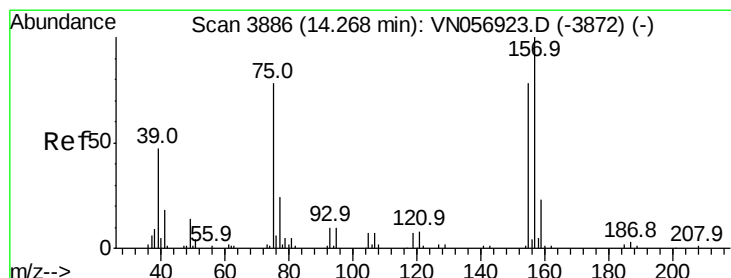
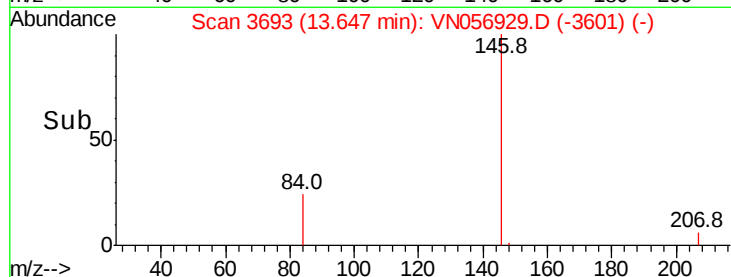
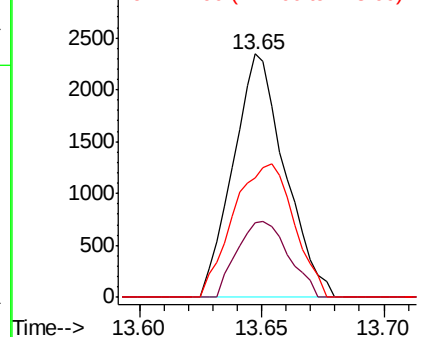
Tot Ion	Ratio	Lower	Upper
146	100		
111	31.0	19.6	58.8
148	64.6	32.2	96.6

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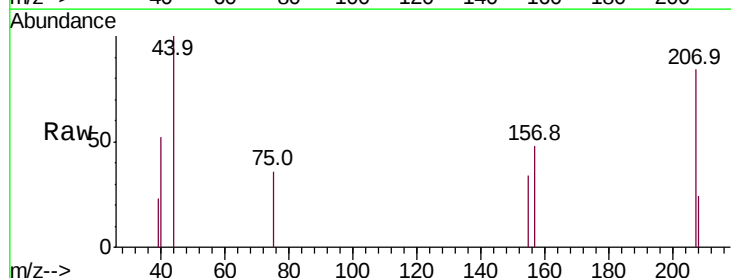


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

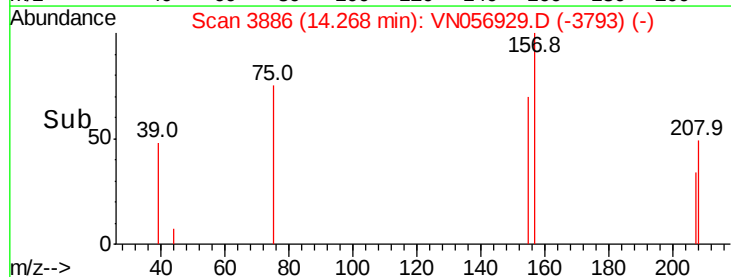
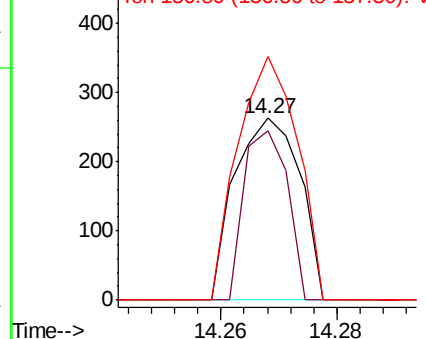


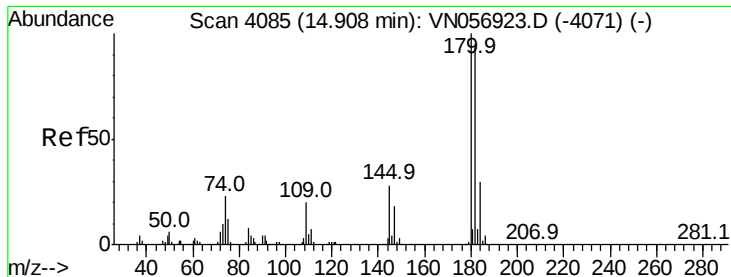
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.386 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN056929.D
 Acq: 25 Jul 2019 19:18

Tgt Ion	Ratio	Lower	Upper
75	100		
155	61.8	47.3	141.9
157	122.5	63.0	189.0



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V





#93

1,2,4-Trichlorobenzene

Concen: 0.536 ug/l

RT: 14.90 min Scan# 4084

Delta R.T. -0.00 min

Lab File: VN056929.D

Acq: 25 Jul 2019 19:18

Instrument :

MSVOA_N

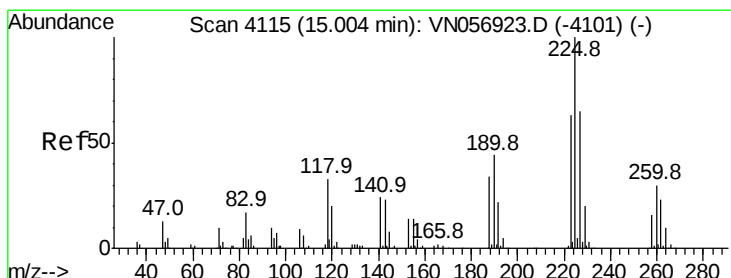
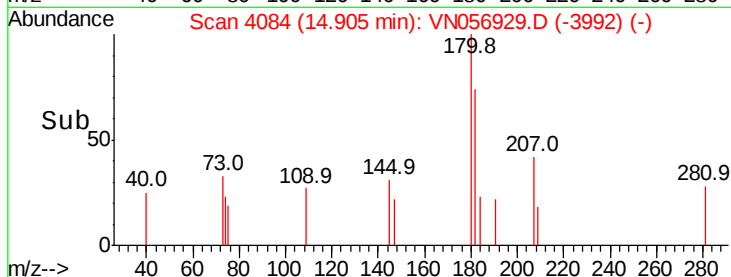
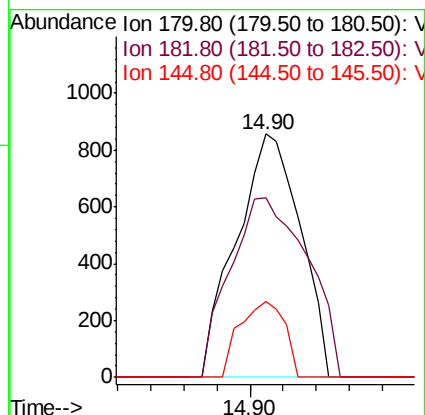
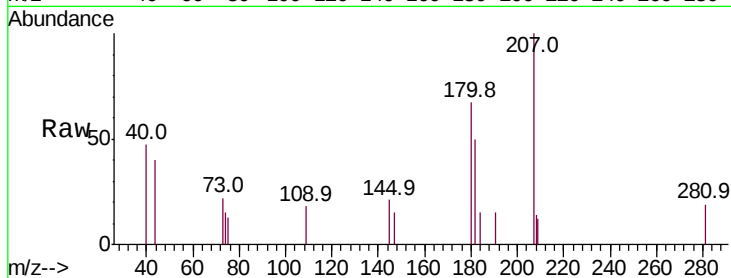
ClientSampleId :

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Tot Ion:	180	Resp:	1152
Ion Ratio	Lower	Upper	
180	100		
182	89.1	47.9	143.8
145	21.7	14.1	42.4

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#94

Hexachlorobutadiene

Concen: 0.807 ug/l

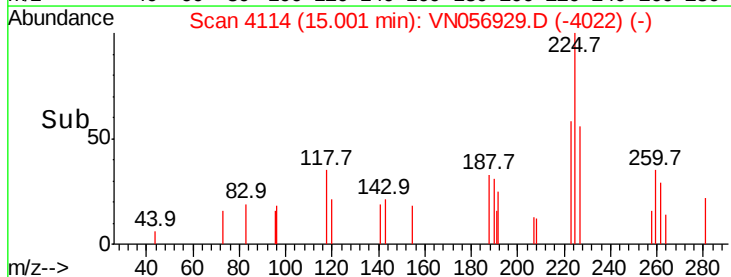
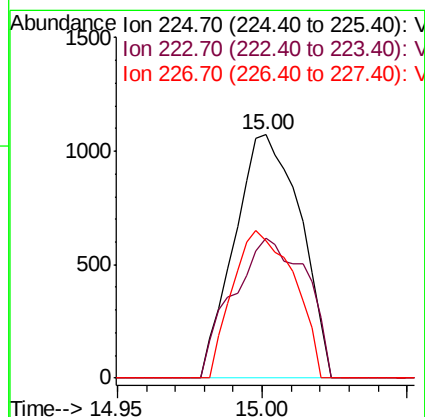
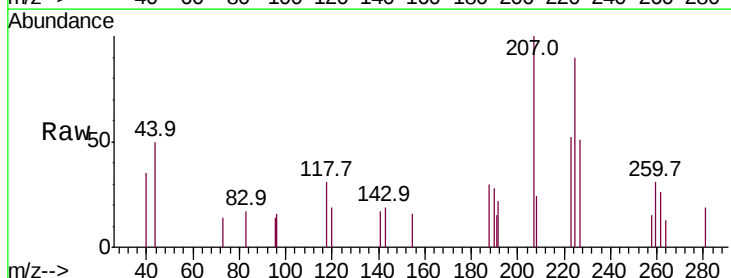
RT: 15.00 min Scan# 4114

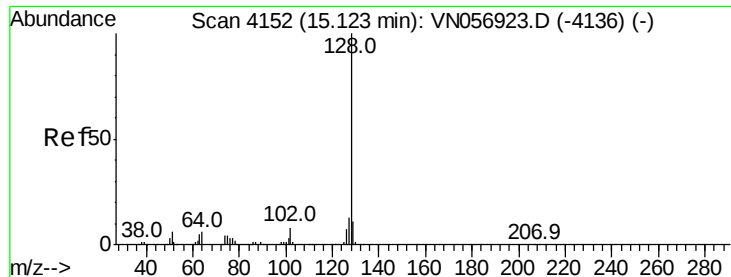
Delta R.T. -0.00 min

Lab File: VN056929.D

Acq: 25 Jul 2019 19:18

Tgt Ion:	225	Resp:	1694
Ion Ratio	Lower	Upper	
225	100		
223	64.3	31.3	93.9
227	56.6	31.9	95.7





#95

Naphthalene

Concen: 0.516 ug/l

RT: 15.12 min Scan# 4151

Delta R.T. -0.00 min

Lab File: VN056929.D

Acq: 25 Jul 2019 19:18

Instrument :

MSVOA_N

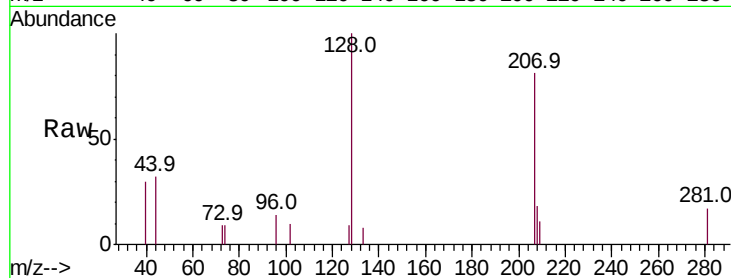
ClientSampleId :

LOD-MDL-WATER-01-QT3-2019

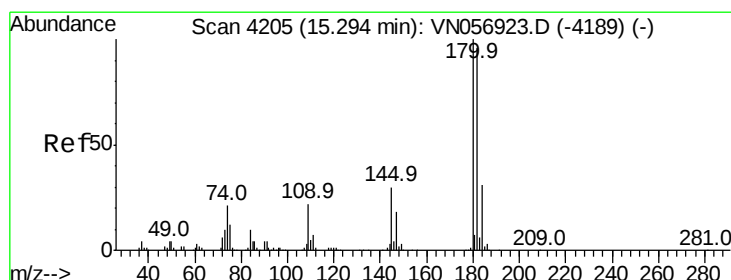
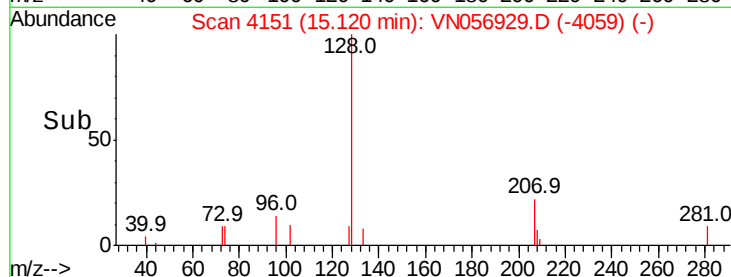
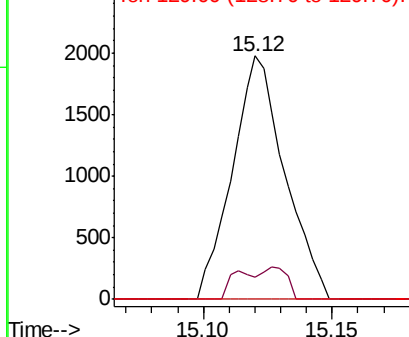
Tot Ion:	128	Resp:	2800
Ion Ratio	Lower	Upper	
128	100		
127	6.4	10.2	15.2#
129	0.0	8.6	13.0#

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Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 0.631 ug/l

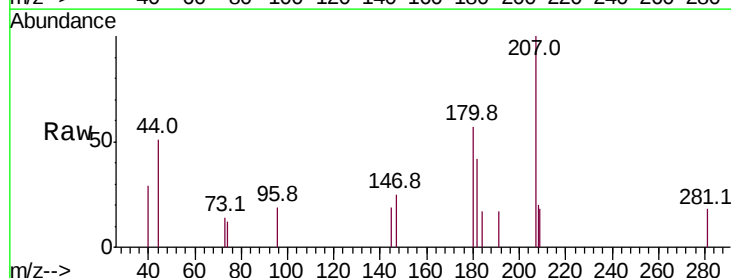
RT: 15.29 min Scan# 4203

Delta R.T. -0.01 min

Lab File: VN056929.D

Acq: 25 Jul 2019 19:18

Tgt Ion:	180	Resp:	1472
Ion Ratio	Lower	Upper	
180	100		
182	105.2	48.4	145.3
145	16.3	15.1	45.3



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

