

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

Quant Time: Jul 26 04:53:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072619W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 26 04:47:34 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	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	240870	53.27	ug/l	0.00
Spiked Amount			Recovery	=	106.54%	
35) Dibromofluoromethane	7.58	113	213971	50.23	ug/l	0.00
Spiked Amount			Recovery	=	100.46%	
50) Toluene-d8	10.08	98	786097	48.60	ug/l	0.00
Spiked Amount			Recovery	=	97.20%	
62) 4-Bromofluorobenzene	12.40	95	202353	38.32	ug/l	0.00
Spiked Amount			Recovery	=	76.64%	

Target Compounds	R.T.	QIon	Response	Conc	Units	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	3.92	142	1404	0.225	ug/l #	83
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	1889	0.349	ug/l	91
19) Methyl tert-butyl Ether	5.01	73	2693	0.223	ug/l	97
20) Methylene Chloride	4.53	84	1868	0.382	ug/l #	88
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	5.82	63	1909	0.240	ug/l #	83
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
38) Carbon Tetrachloride	7.76	117	3105	0.535	ug/l	95
39) Methylcyclohexane	9.06	83	4201	0.565	ug/l	95
40) Benzene	8.03	78	10996	0.578	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

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	8.82	130	1672	0.322	ug/l	87
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	Below Cal		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	3294	1.115	ug/l #	100
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	12.40	75	92092	98.353	ug/l #	13
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	13.28	146	3049	0.620	ug/l	91
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
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

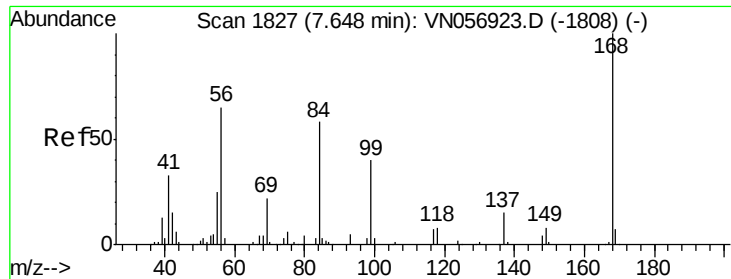
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QLast Update : Fri Jul 26 04:47:34 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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

Lab File: VN056929.D

Acq: 25 Jul 2019 19:18

Instrument :

MSVOA_N

ClientSampleId :

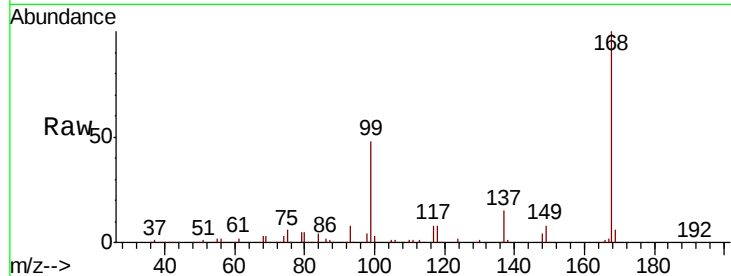
LOD-MDL-WATER-01-QT3-2019

Tot Ion:168 Resp: 436962

Ion Ratio Lower Upper

168 100

99 47.7 38.6 58.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNC

7.65

200000

150000

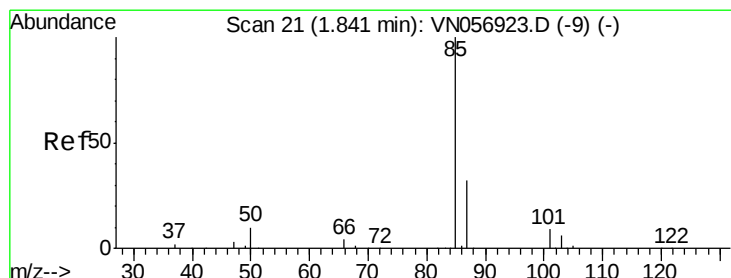
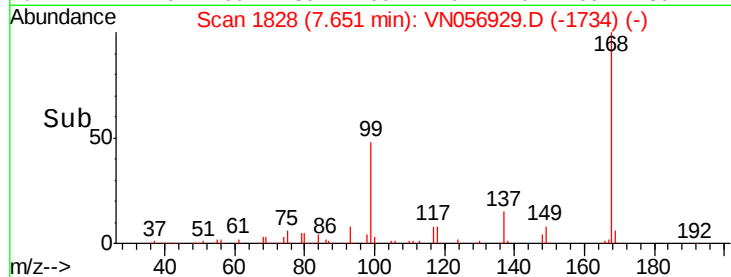
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50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 0.435 ug/l

RT: 1.84 min Scan# 21

Delta R.T. -0.00 min

Lab File: VN056929.D

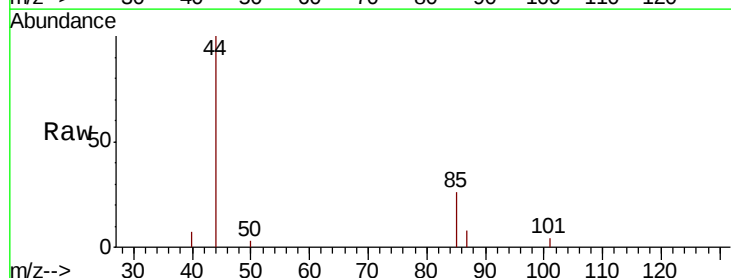
Acq: 25 Jul 2019 19:18

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): VNC

Ion 86.90 (86.60 to 87.60): VNC

1.84

1500

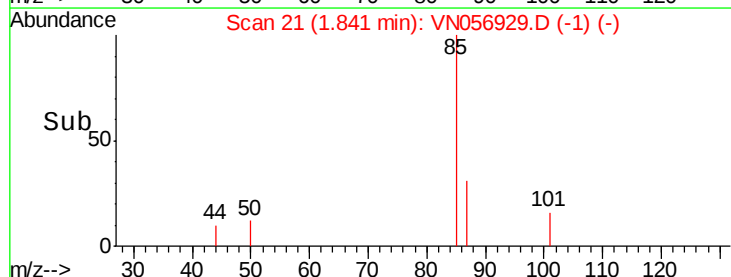
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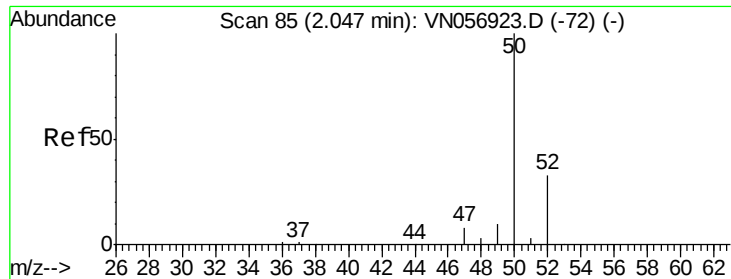
500

0

1.80 1.82 1.84 1.86 1.88

Time-->

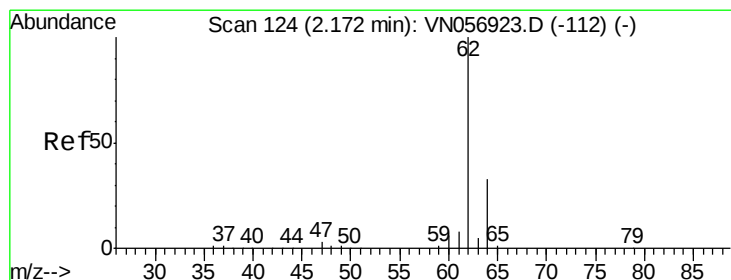
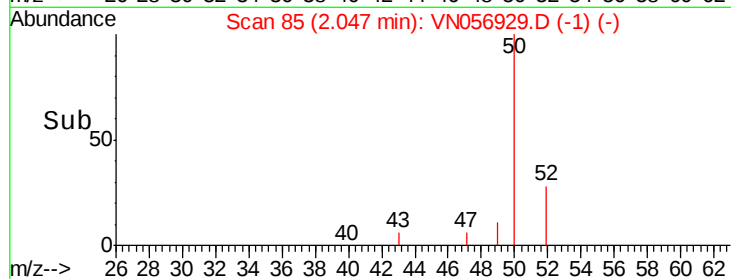
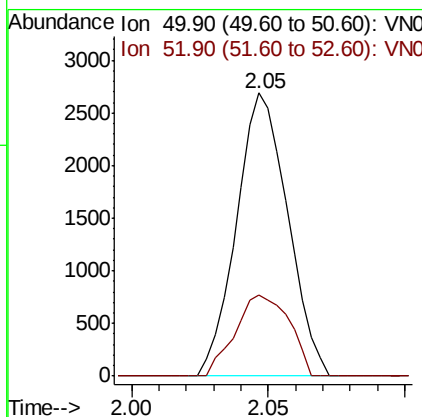
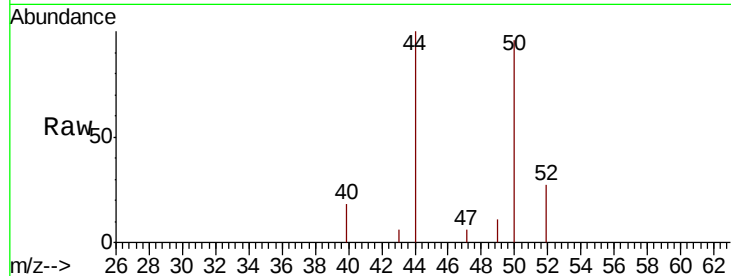




#3
 Chloromethane
 Concen: 0.623 ug/l
 RT: 2.05 min Scan# 85
 Delta R.T. -0.00 min
 Lab File: VN056929.D
 Acq: 25 Jul 2019 19:18

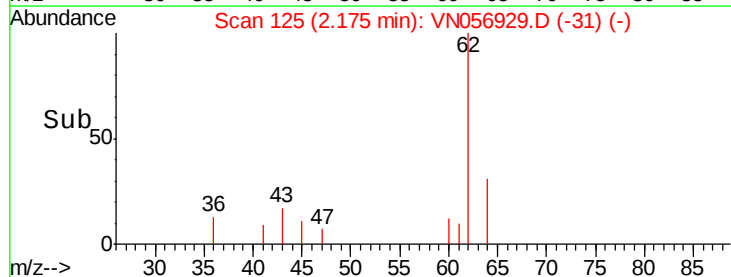
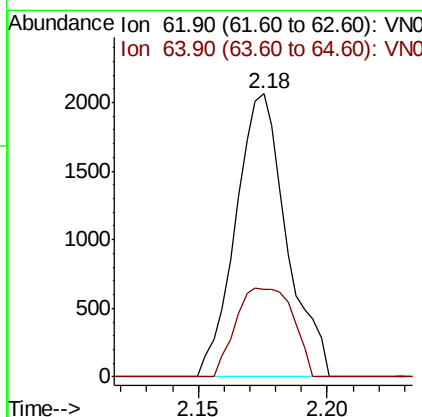
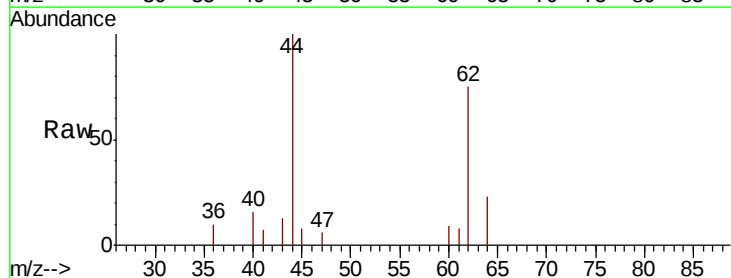
Instrument :
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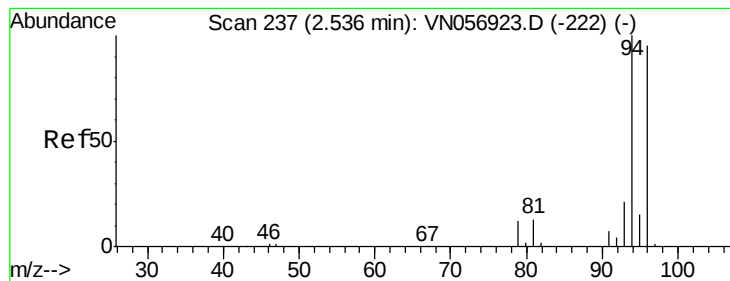
Tot Ion: 50 Resp: 3508
 Ion Ratio Lower Upper
 50 100
 52 28.4 26.8 40.2



#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

Instrument :

MSVOA_N

ClientSampleId :

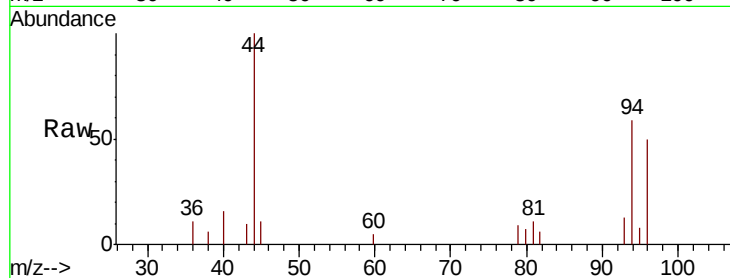
LOD-MDL-WATER-01-QT3-2019

Tot Ion: 94 Resp: 4041

Ion Ratio Lower Upper

94 100

96 84.2 75.7 113.5



Abundance Ion 93.90 (93.60 to 94.60): VN056929.D (-222) (-)

Ion 95.90 (95.60 to 96.60): VN056929.D (-222) (-)

2.55

1500

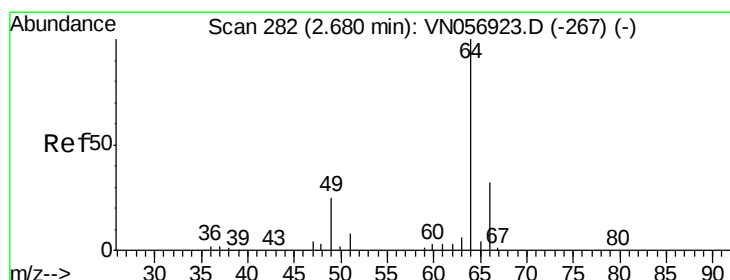
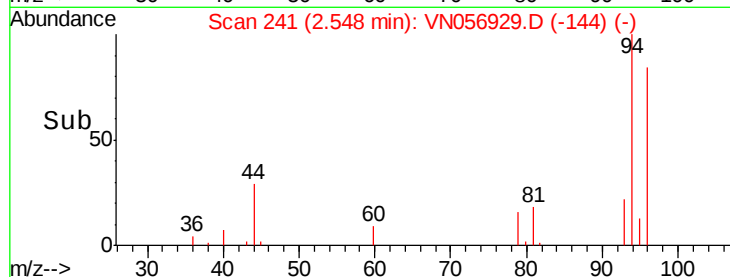
1000

500

200

0

Time-->



#6

Chloroethane

Concen: 0.495 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.01 min

Lab File: VN056929.D

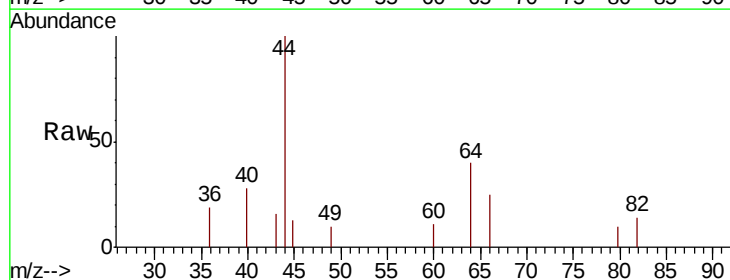
Acq: 25 Jul 2019 19:18

Tgt Ion: 64 Resp: 1458

Ion Ratio Lower Upper

64 100

66 63.3 25.8 38.6#



Abundance Ion 63.90 (63.60 to 64.60): VN056929.D (-267) (-)

Ion 65.90 (65.60 to 66.60): VN056929.D (-267) (-)

2.69

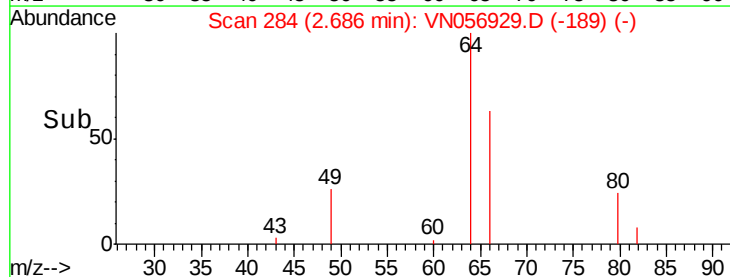
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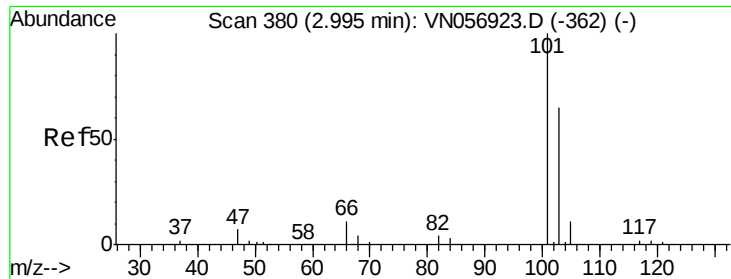
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200

0

Time-->



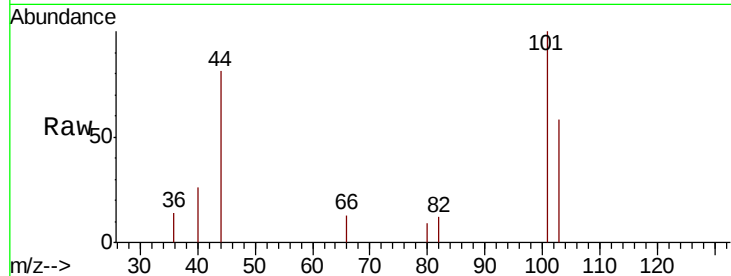


#7

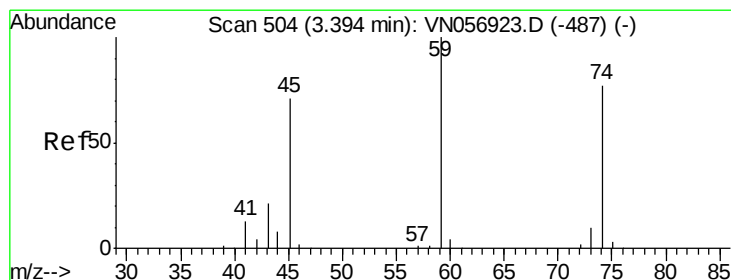
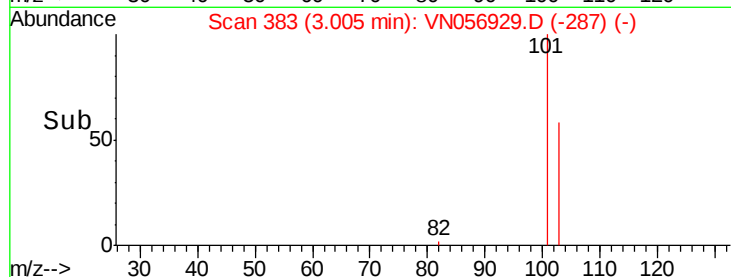
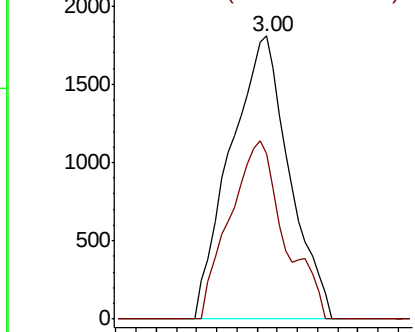
Trichlorofluoromethane
Concen: 0.532 ug/l
RT: 3.00 min Scan# 383
Delta R.T. 0.01 min
Lab File: VN056929.D
Acq: 25 Jul 2019 19:18

Instrument :
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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



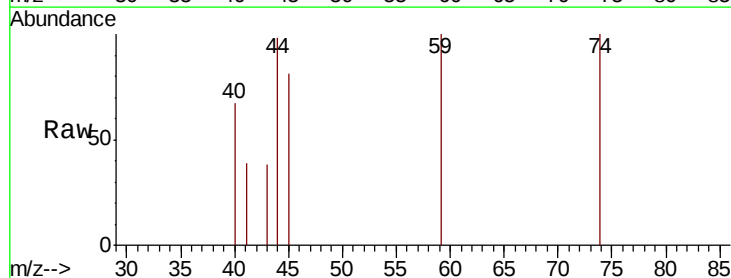
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



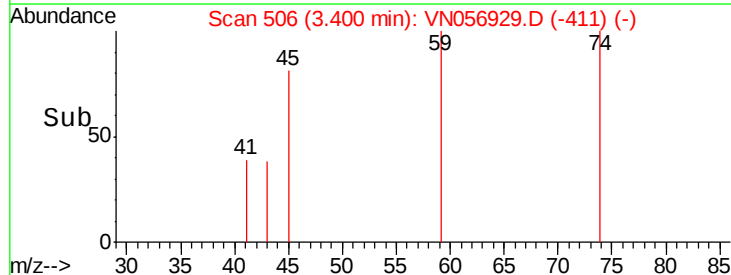
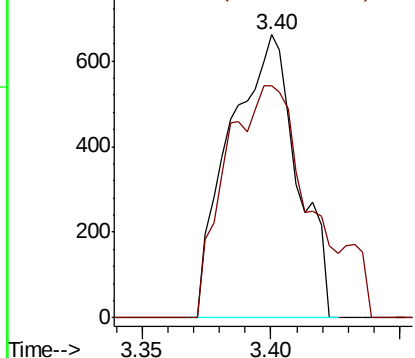
#8

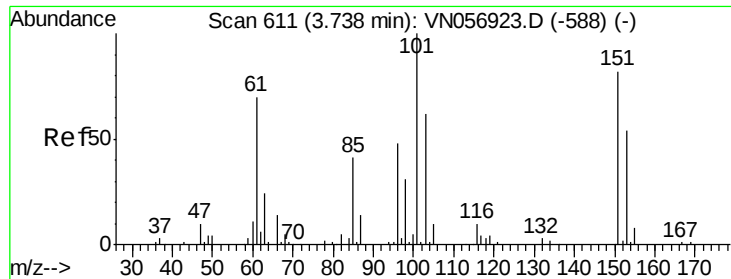
Diethyl Ether
Concen: 0.466 ug/l
RT: 3.40 min Scan# 506
Delta R.T. 0.01 min
Lab File: VN056929.D
Acq: 25 Jul 2019 19:18

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



Abundance Ion 74.00 (73.70 to 74.70): V
Ion 45.00 (44.70 to 45.70): V

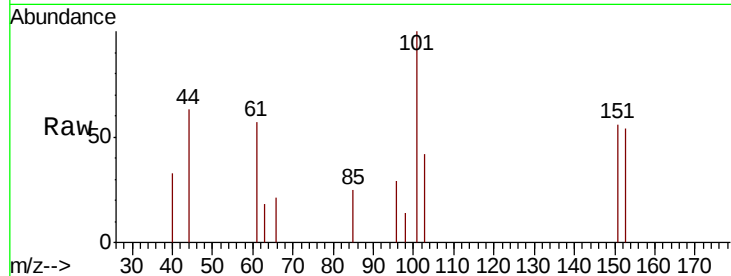




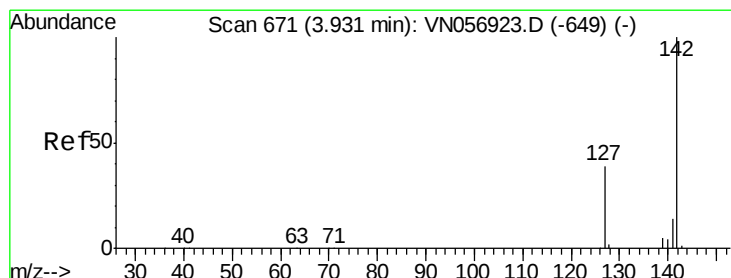
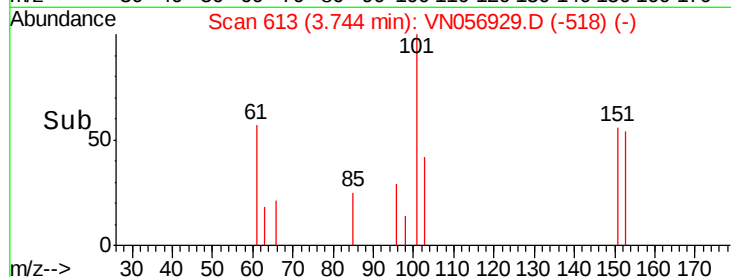
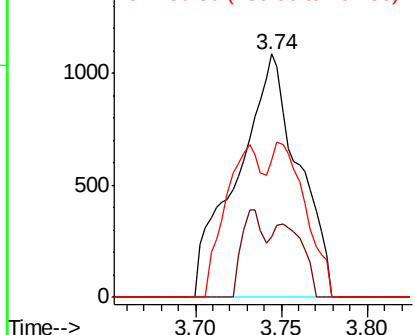
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.631 ug/l
 RT: 3.74 min Scan# 613
 Delta R.T. 0.01 min
 Lab File: VN056929.D
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Tot Ion:101 Resp: 2678
 Ion Ratio Lower Upper
 101 100
 85 13.6 32.7 49.1#
 151 36.1 67.4 101.0#

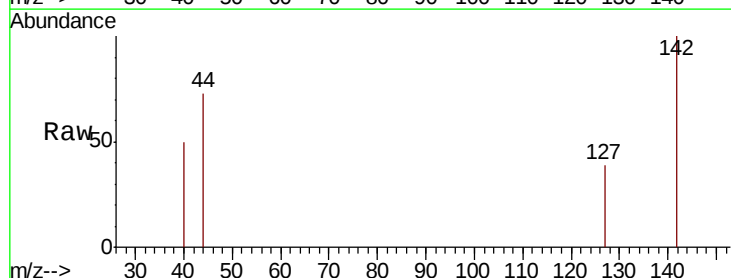


Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 84.90 (84.60 to 85.60): V
 Ion 150.80 (150.50 to 151.50): V

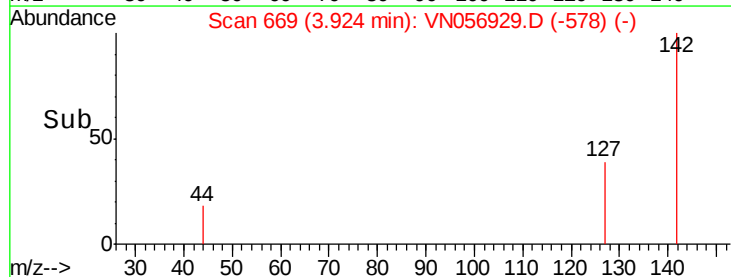
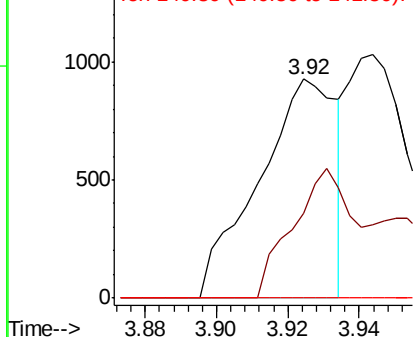


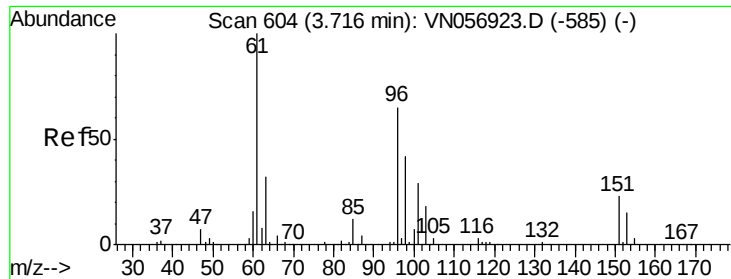
#10
 Methyl Iodide
 Concen: 0.225 ug/l
 RT: 3.92 min Scan# 669
 Delta R.T. -0.01 min
 Lab File: VN056929.D
 Acq: 25 Jul 2019 19:18

Tgt Ion:142 Resp: 1404
 Ion Ratio Lower Upper
 142 100
 127 44.3 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





#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

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT3-2019

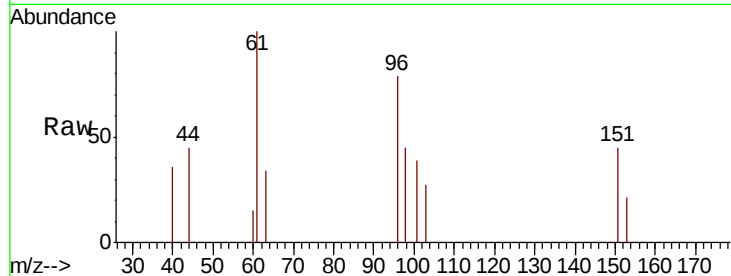
Tot Ion: 96 Resp: 2243

Ion Ratio Lower Upper

96 100

61 125.8 122.4 183.6

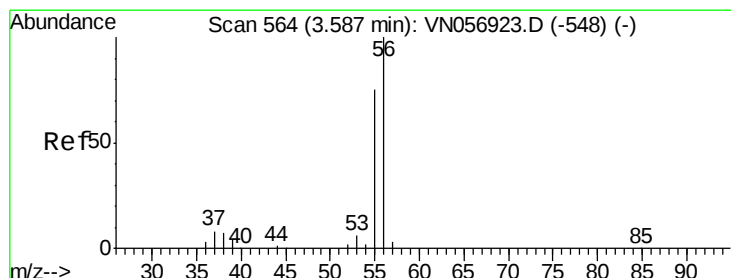
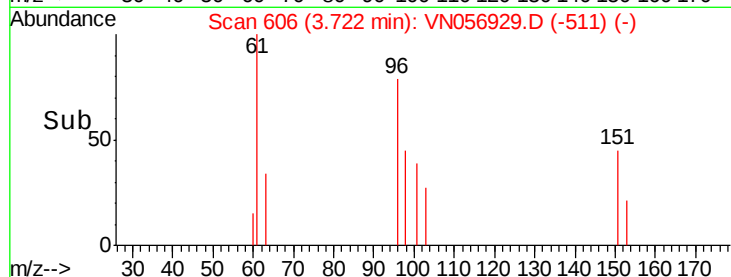
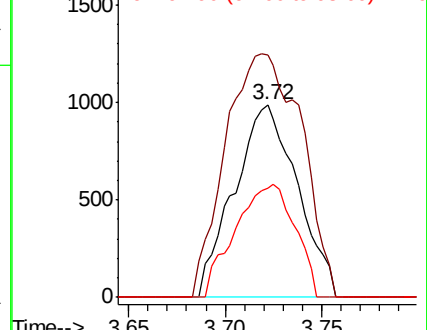
98 56.5 51.3 76.9



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#13

Acrolein

Concen: 2.547 ug/l

RT: 3.60 min Scan# 567

Delta R.T. 0.01 min

Lab File: VN056929.D

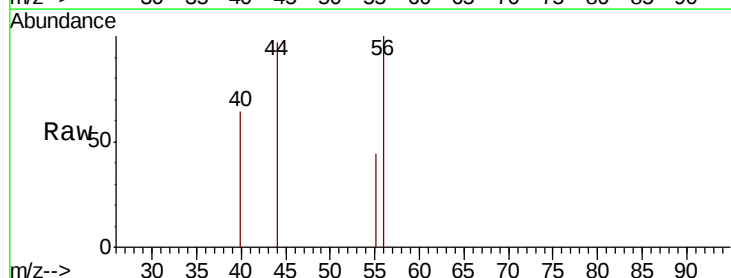
Acq: 25 Jul 2019 19:18

Tgt Ion: 56 Resp: 931

Ion Ratio Lower Upper

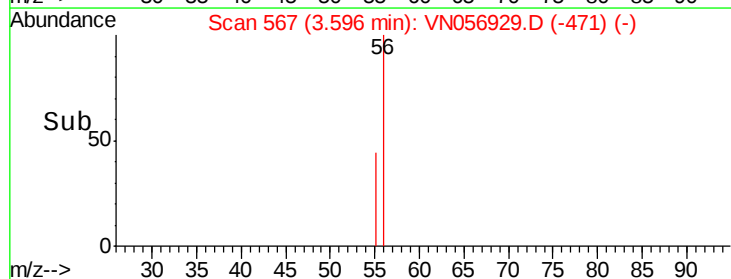
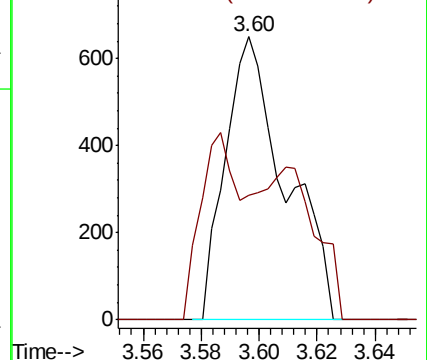
56 100

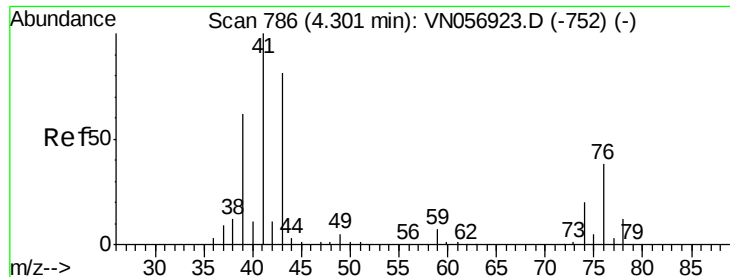
55 45.2 57.5 86.3#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0





#14

Allvl 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

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT3-2019

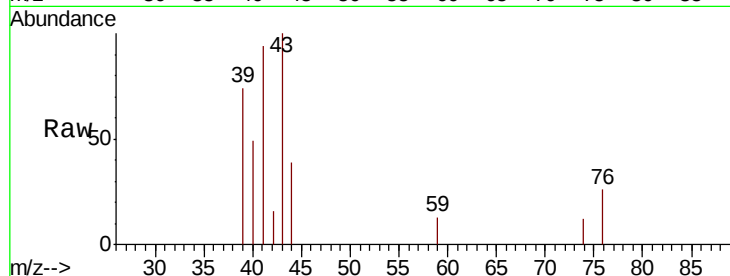
Tot Ion: 41 Resp: 3367

Ion Ratio Lower Upper

41 100

39 68.2 47.5 71.3

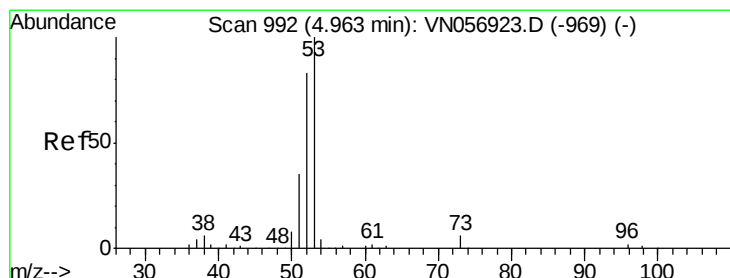
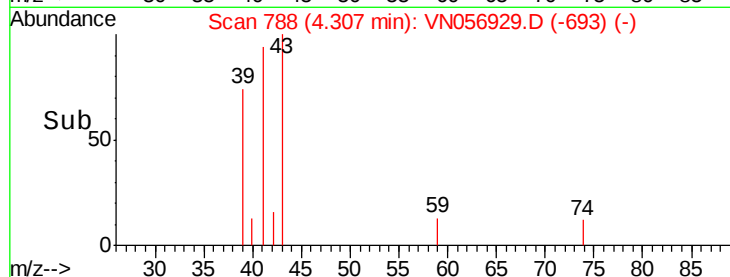
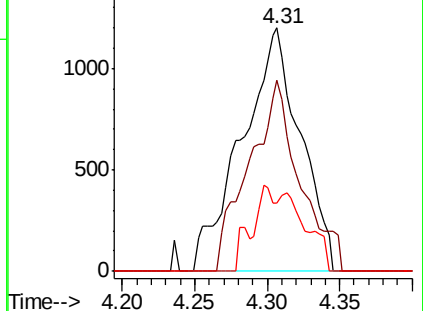
76 6.4 28.0 42.0#



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0



#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

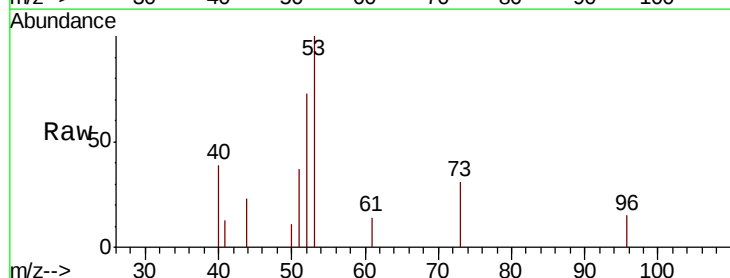
Tgt Ion: 53 Resp: 4437

Ion Ratio Lower Upper

53 100

52 55.2 65.5 98.3#

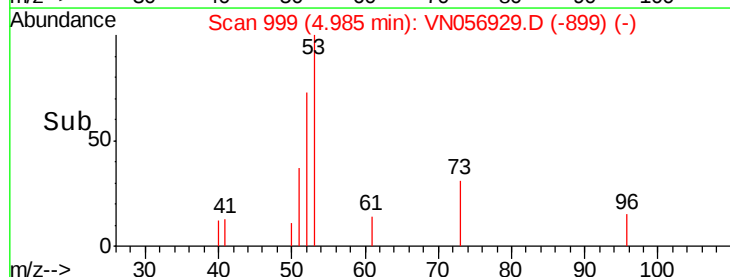
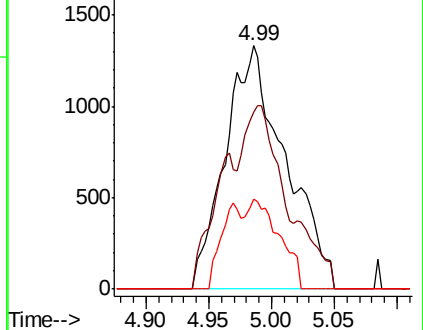
51 19.1 28.1 42.1#

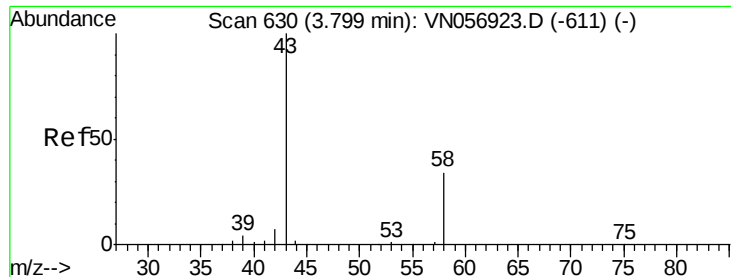


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





#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

Instrument :

MSVOA_N

ClientSampleId :

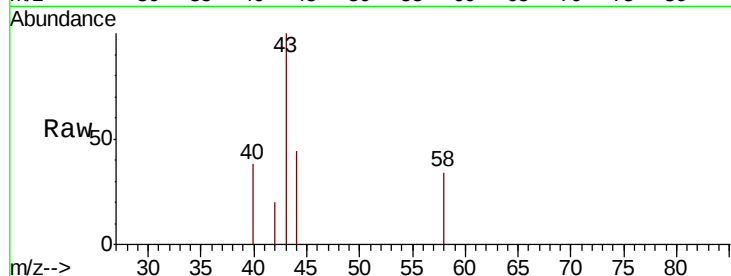
LOD-MDL-WATER-01-QT3-2019

Tot Ion: 43 Resp: 4535

Ion Ratio Lower Upper

43 100

58 33.9 27.3 40.9



Abundance Ion 43.00 (42.70 to 43.70): VN056929.D (-611) (-)

Ion 58.00 (57.70 to 58.70): VN056929.D (-611) (-)

3.81

1500

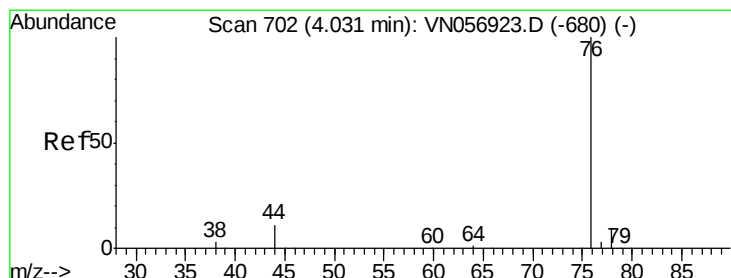
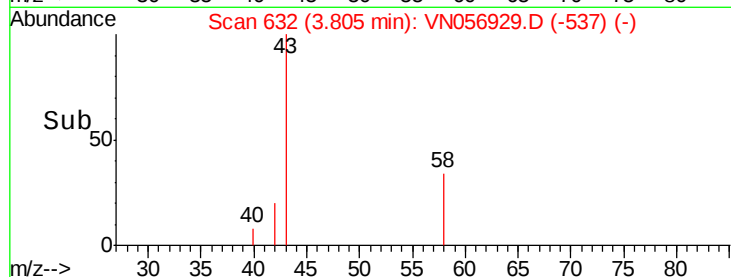
1000

500

0

3.75 3.80 3.85 3.90

Time-->



#17

Carbon Disulfide

Concen: 0.589 ug/l

RT: 4.04 min Scan# 704

Delta R.T. 0.01 min

Lab File: VN056929.D

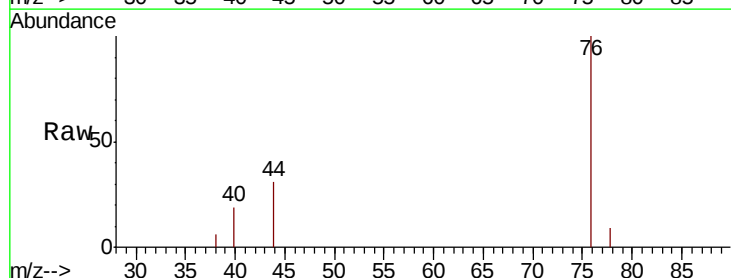
Acq: 25 Jul 2019 19:18

Tgt Ion: 76 Resp: 6510

Ion Ratio Lower Upper

76 100

78 9.4 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VN056929.D (-680) (-)

Ion 77.90 (77.60 to 78.60): VN056929.D (-680) (-)

4.04

3000

2500

2000

1500

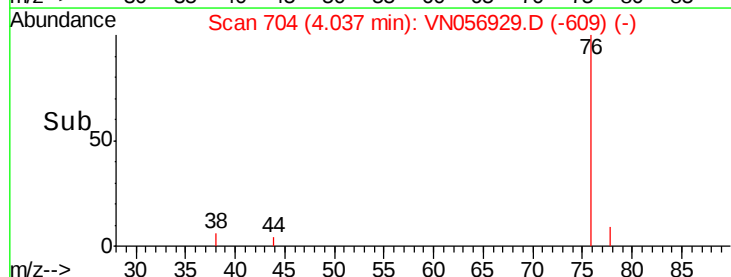
1000

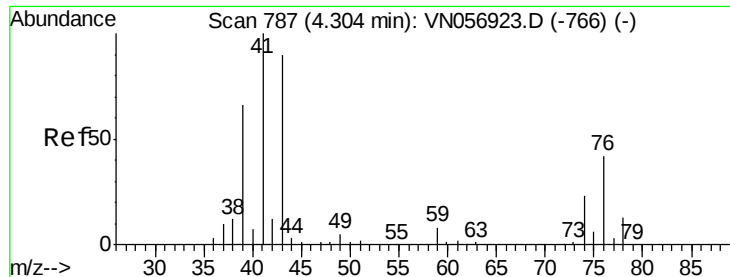
500

0

3.95 4.00 4.05 4.10

Time-->

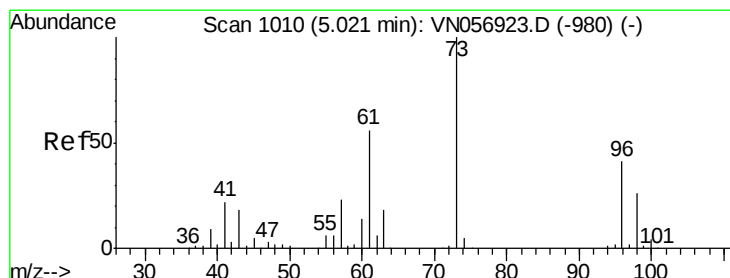
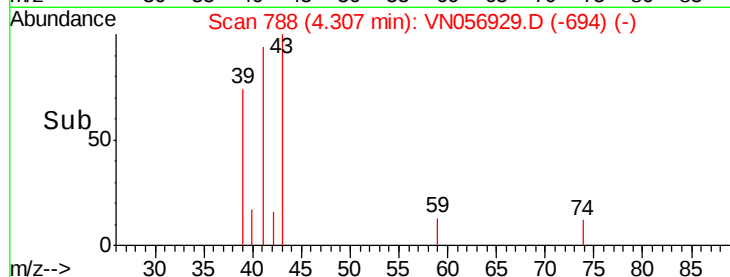
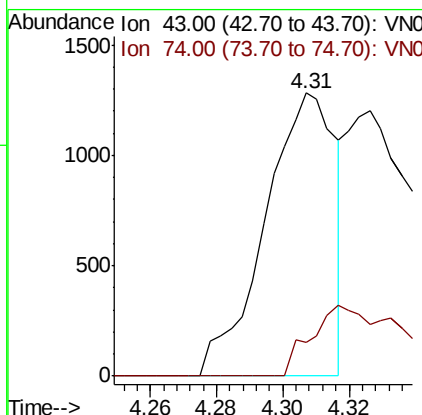
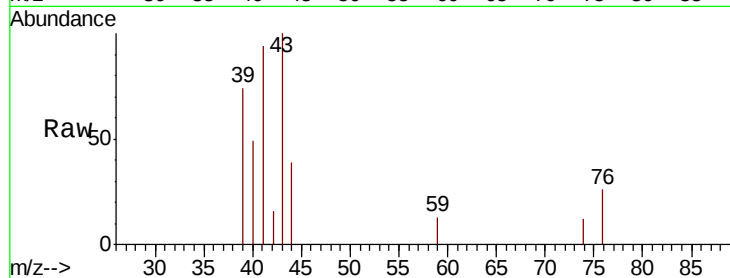




#18
Methyl Acetate
Concen: 0.349 ug/l
RT: 4.31 min Scan# 788
Delta R.T. 0.00 min
Lab File: VN056929.D
Acq: 25 Jul 2019 19:18

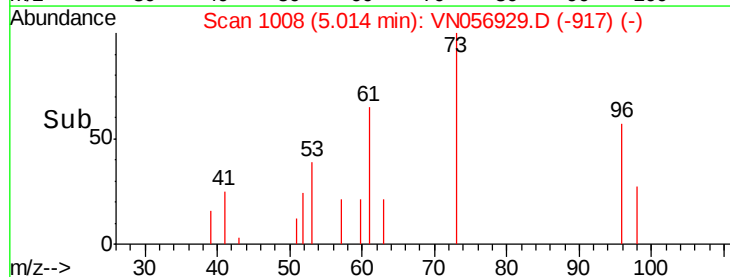
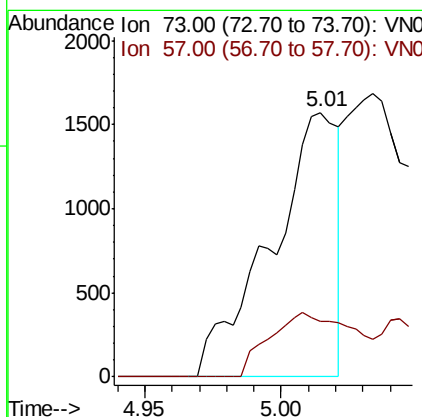
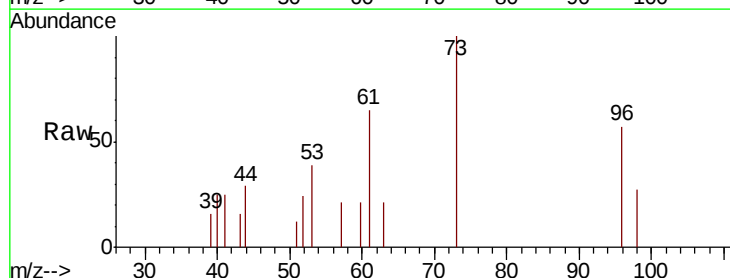
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2019

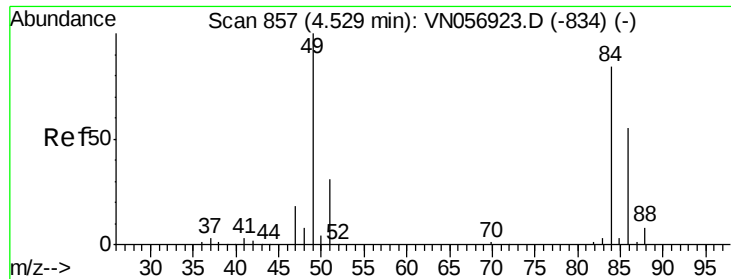
Tot Ion: 43 Resp: 1889
Ion Ratio Lower Upper
43 100
74 28.7 19.4 29.0



#19
Methyl tert-butyl Ether
Concen: 0.223 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. -0.01 min
Lab File: VN056929.D
Acq: 25 Jul 2019 19:18

Tgt Ion: 73 Resp: 2693
Ion Ratio Lower Upper
73 100
57 21.1 18.2 27.4

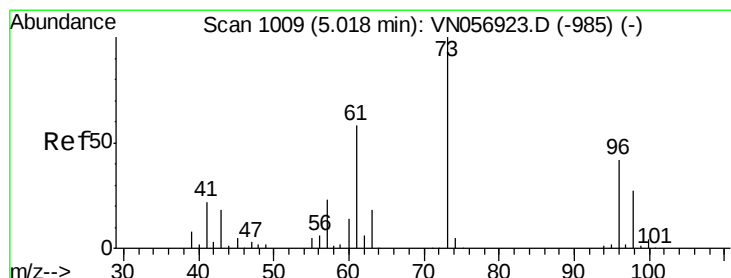
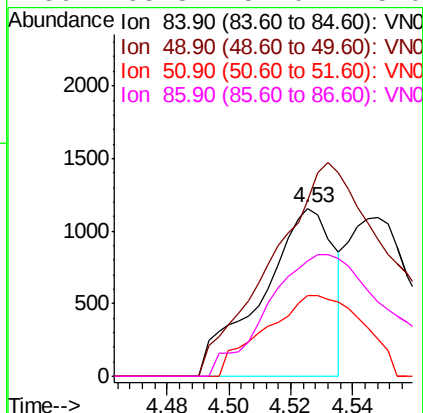
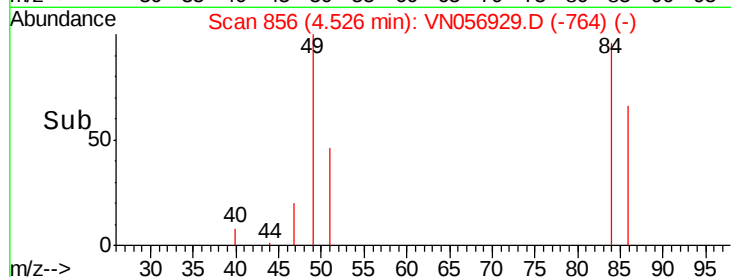
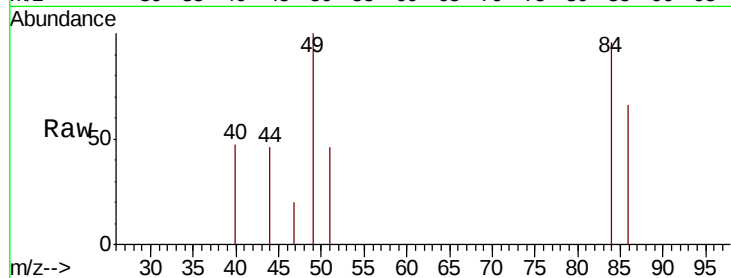




#20
Methvlene Chloride
Concen: 0.382 ug/l
RT: 4.53 min Scan# 856
Delta R.T. -0.00 min
Lab File: VN056929.D
Acq: 25 Jul 2019 19:18

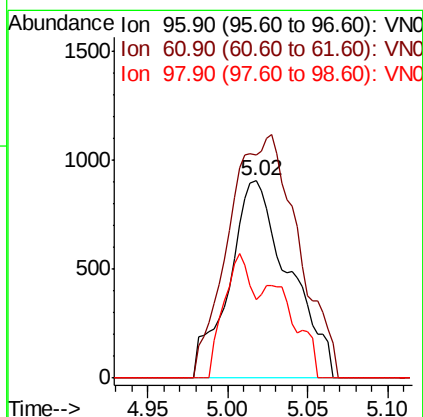
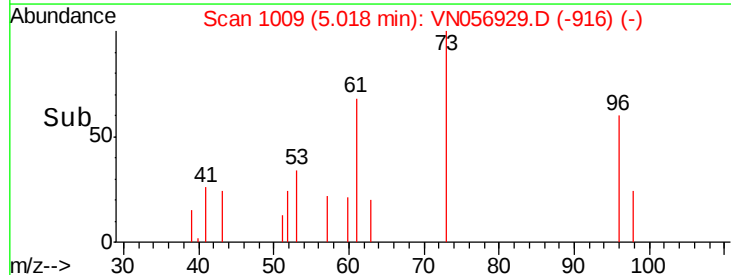
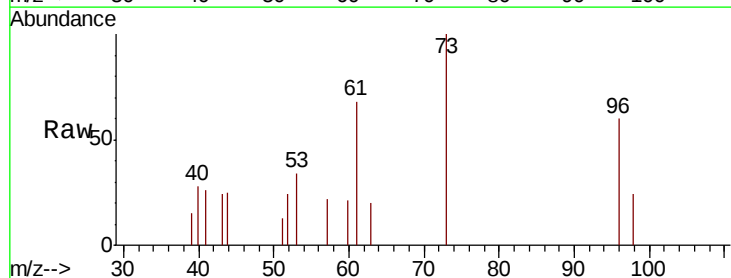
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2019

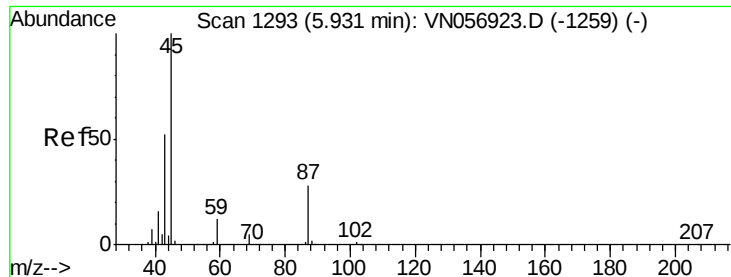
Tot Ion: 84 Resp: 1868
Ion Ratio Lower Upper
84 100
49 104.0 95.0 142.6
51 47.6 29.8 44.8#
86 68.8 52.0 78.0



#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

Tgt Ion: 96 Resp: 2328
Ion Ratio Lower Upper
96 100
61 112.8 109.9 164.9
98 39.5 51.0 76.4#

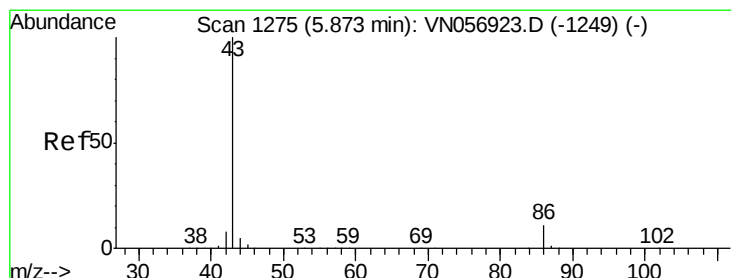
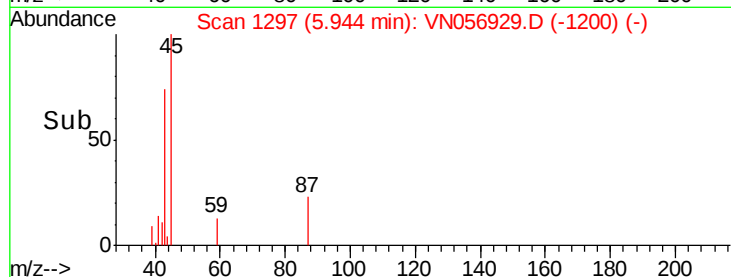
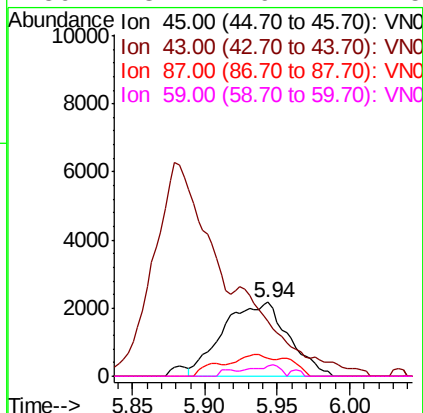
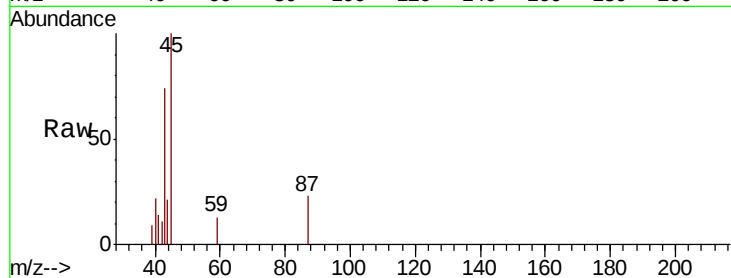




#22
Diisopropyl ether
Concen: 0.501 ug/l
RT: 5.94 min Scan# 1297
Delta R.T. 0.01 min
Lab File: VN056929.D
Acq: 25 Jul 2019 19:18

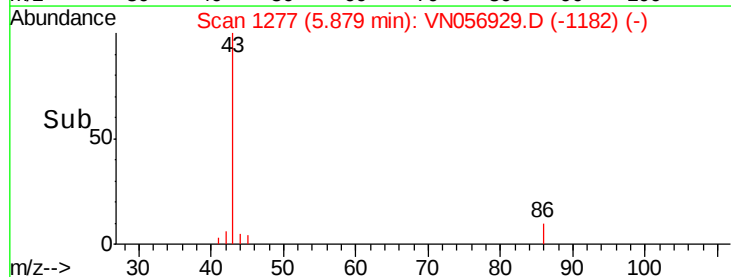
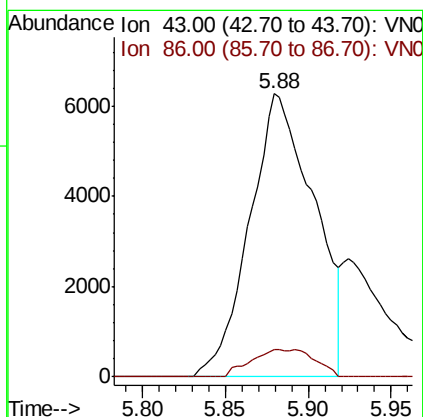
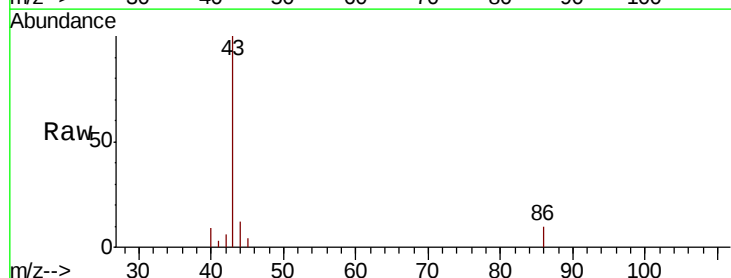
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2019

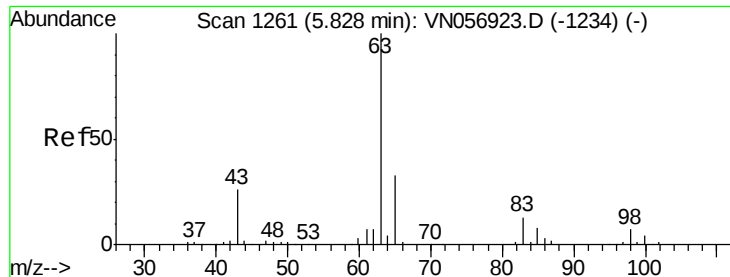
Tot Ion: 45 Resp: 6786
Ion Ratio Lower Upper
45 100
43 57.9 44.7 67.1
87 23.4 23.1 34.7
59 13.2 9.7 14.5



#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

Tgt Ion: 43 Resp: 17004
Ion Ratio Lower Upper
43 100
86 9.8 8.6 13.0

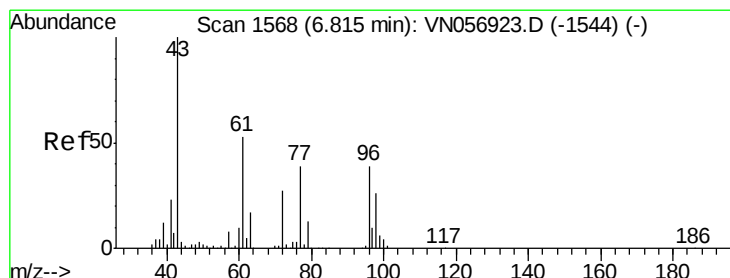
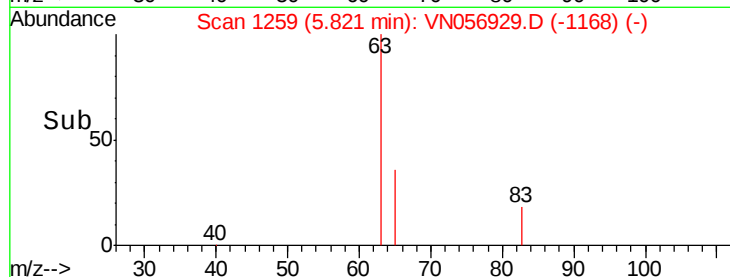
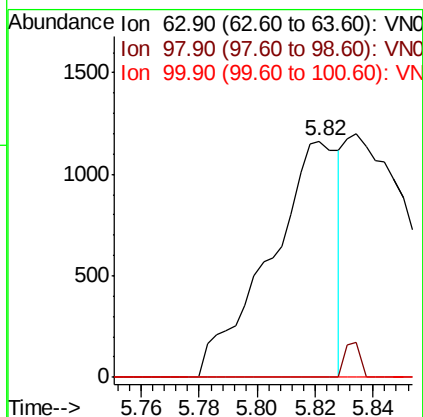
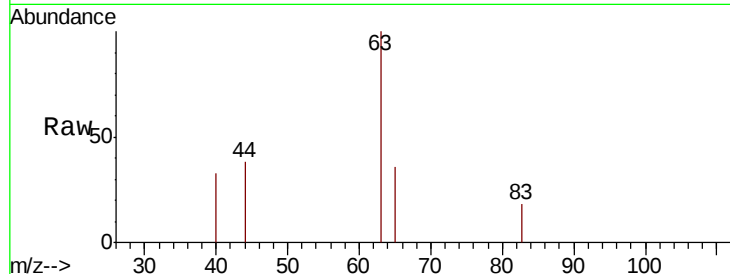




#24
 1,1-Dichloroethane
 Concen: 0.240 ug/l
 RT: 5.82 min Scan# 1259
 Delta R.T. -0.01 min
 Lab File: VN056929.D
 Acq: 25 Jul 2019 19:18

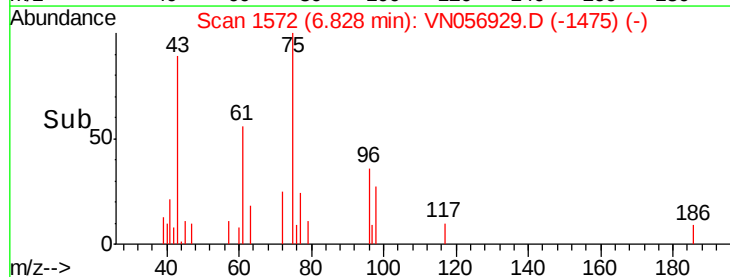
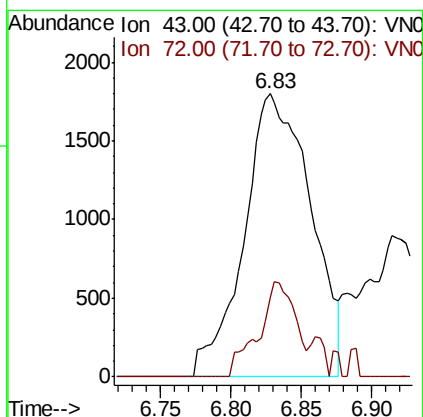
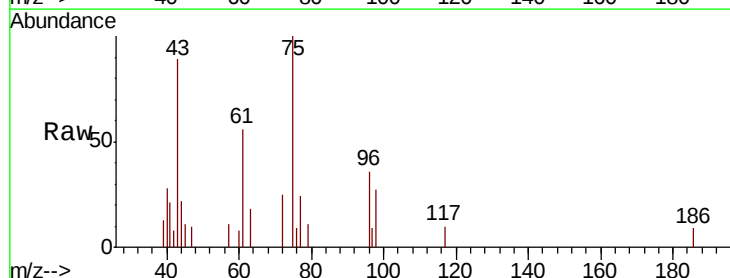
Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2019

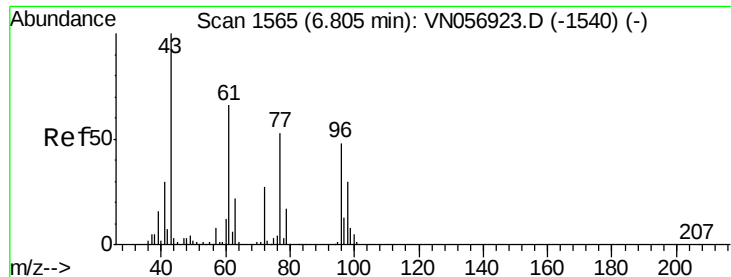
Tot Ion: 63 Resp: 1909
 Ion Ratio Lower Upper
 63 100
 98 0.0 3.4 10.1#
 100 0.0 2.1 6.3#



#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

Tgt Ion: 43 Resp: 5935
 Ion Ratio Lower Upper
 43 100
 72 28.3 21.9 32.9





#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

Instrument :

MSVOA_N

ClientSampleId :

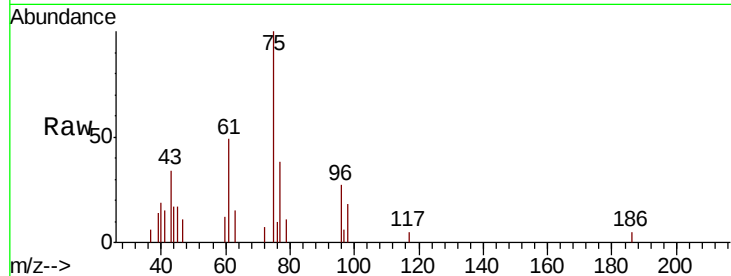
LOD-MDL-WATER-01-QT3-2019

Tot Ion: 77 Resp: 3093

Ion Ratio Lower Upper

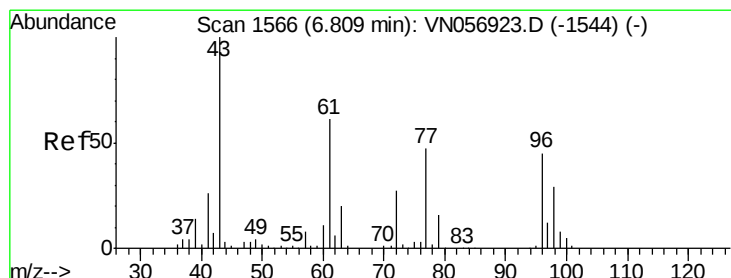
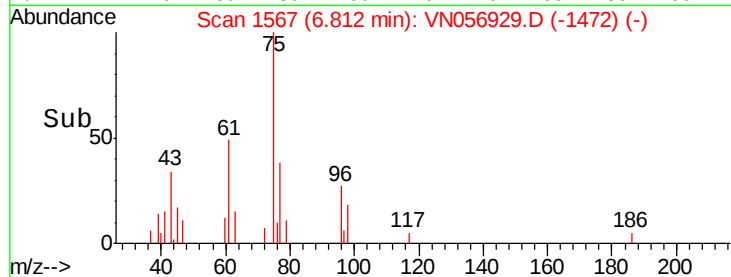
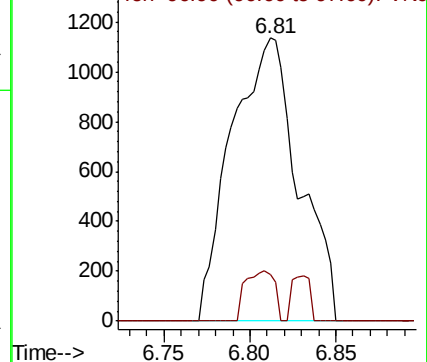
77 100

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



#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

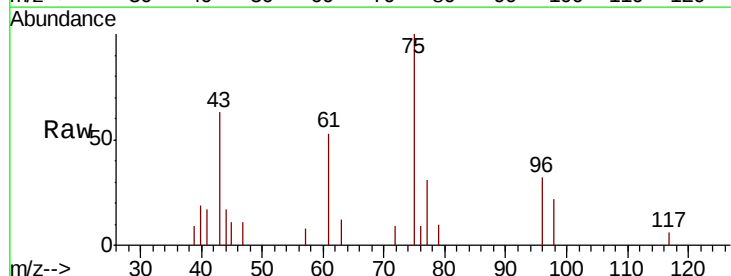
Tgt Ion: 96 Resp: 2434

Ion Ratio Lower Upper

96 100

61 162.7 0.0 278.8

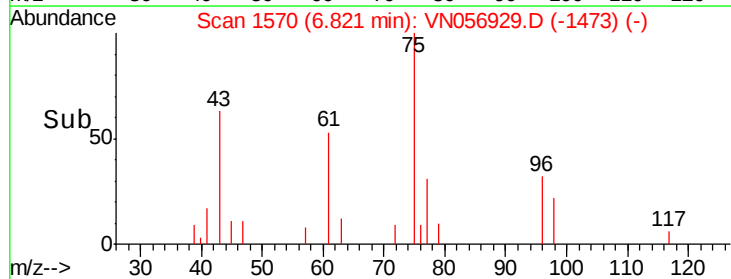
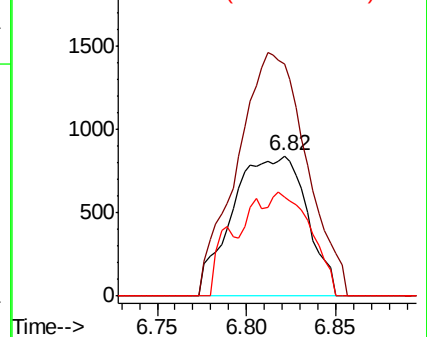
98 5.8 0.0 130.0

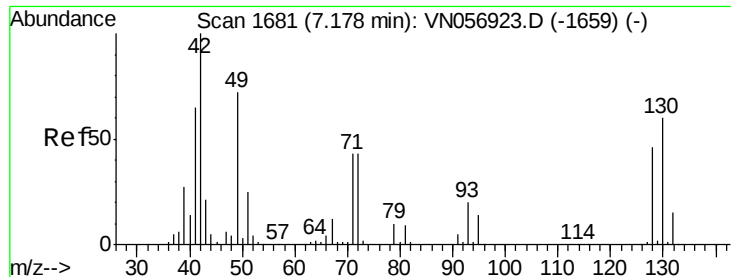


Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0





#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

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT3-2019

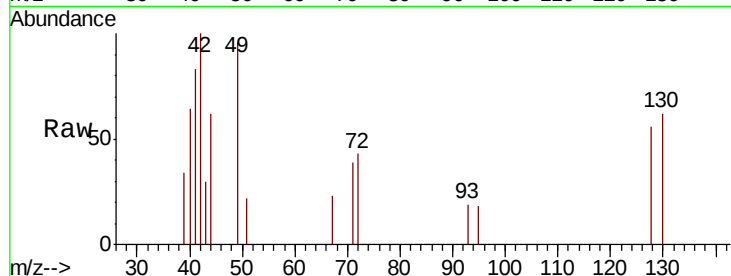
Tot Ion: 49 Resp: 1918

Ion Ratio Lower Upper

49 100

129 0.0 0.0 4.4

130 87.6 67.3 100.9

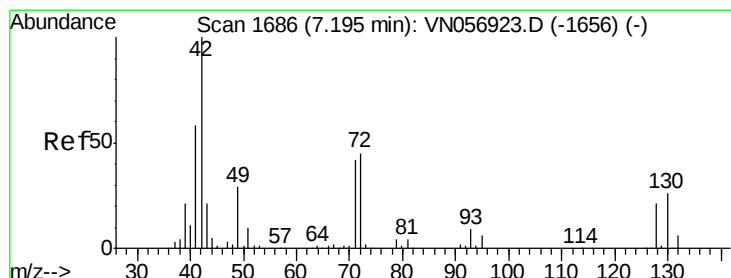
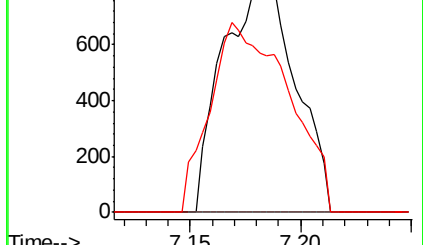
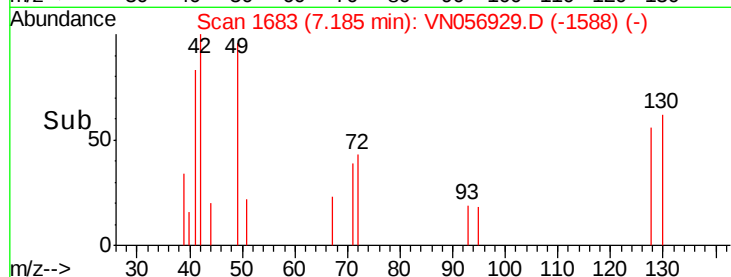


Abundance Ion 48.90 (48.60 to 49.60): VN056929.D (-1659) (-)

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

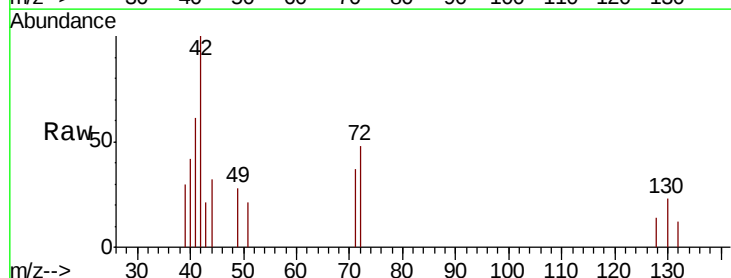
Tgt Ion: 42 Resp: 4200

Ion Ratio Lower Upper

42 100

72 24.3 35.5 53.3#

71 34.8 33.0 49.6

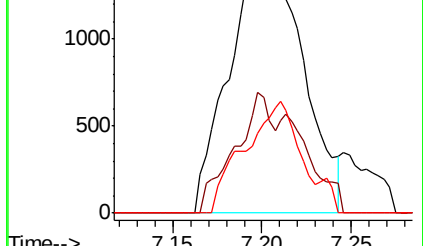
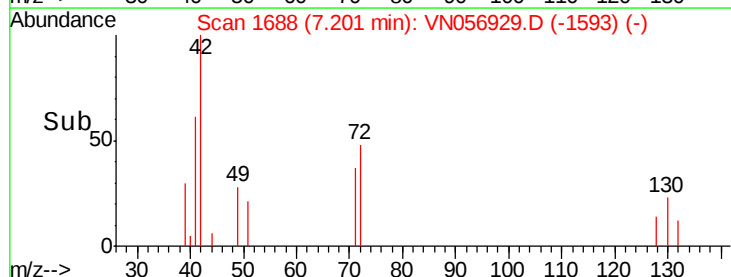


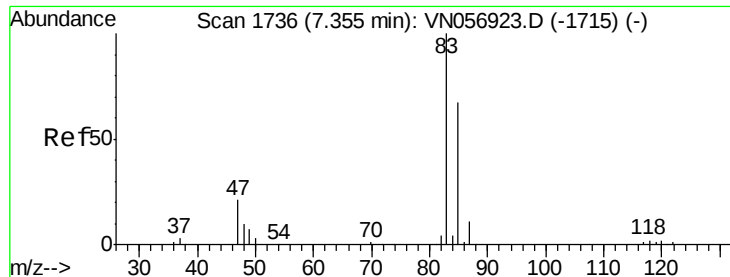
Abundance Ion 42.00 (41.70 to 42.70): VN056929.D (-1593) (-)

Ion 72.00 (71.70 to 72.70): VN056929.D (-1593) (-)

Ion 71.00 (70.70 to 71.70): VN056929.D (-1593) (-)

Time-->

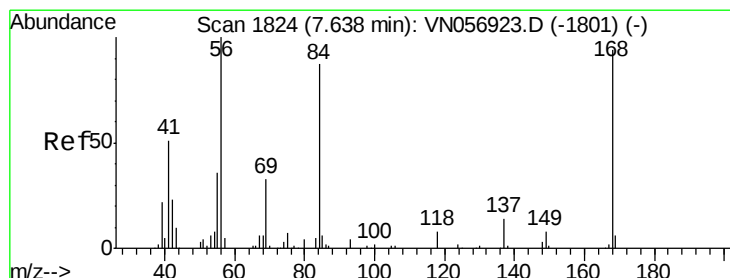
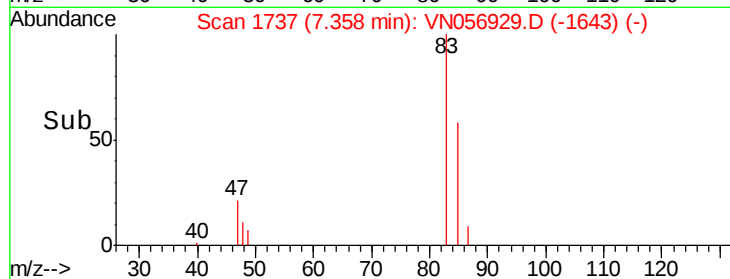
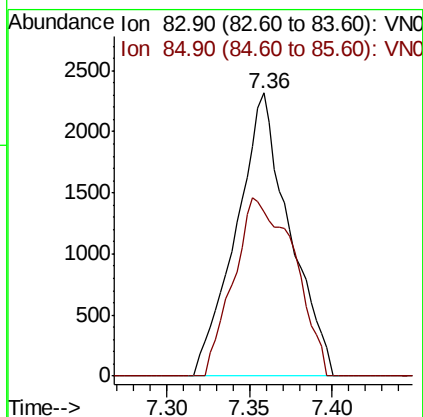
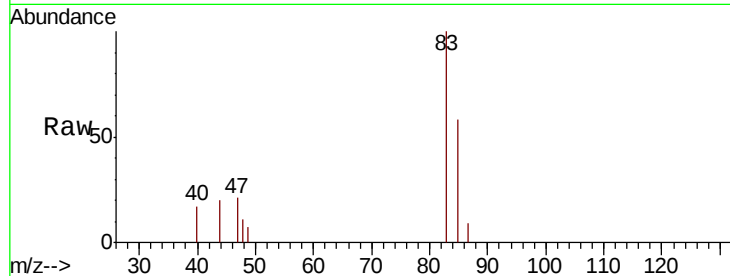




#30
Chloroform
Concen: 0.632 ug/l
RT: 7.36 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VN056929.D
Acq: 25 Jul 2019 19:18

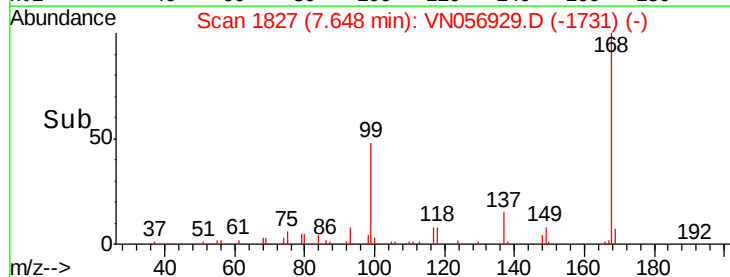
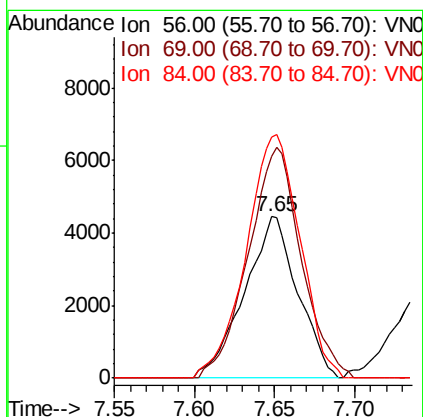
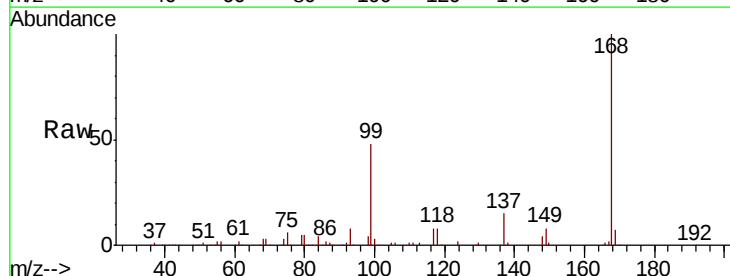
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2019

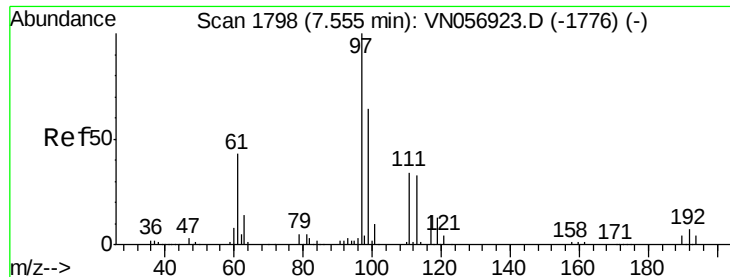
Tot Ion: 83 Resp: 5184
Ion Ratio Lower Upper
83 100
85 58.0 53.5 80.3



#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

Tgt Ion: 56 Resp: 10226
Ion Ratio Lower Upper
56 100
69 137.6 26.3 39.5#
84 149.6 69.6 104.4#





#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

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT3-2019

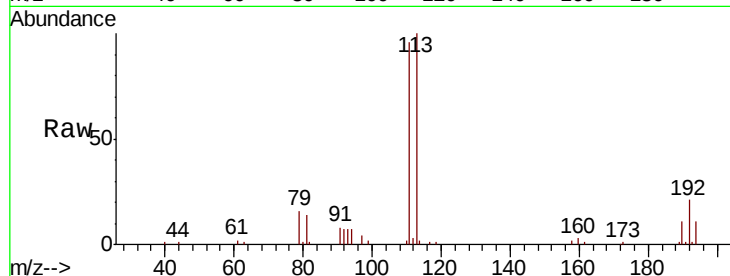
Tot Ion: 97 Resp: 3528

Ion Ratio Lower Upper

97 100

99 0.0 51.6 77.4#

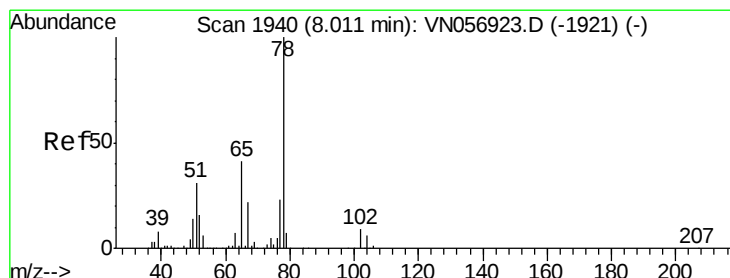
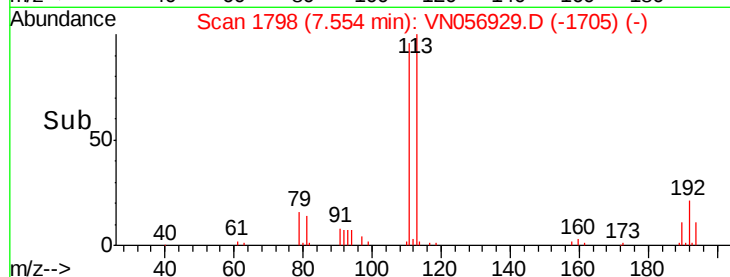
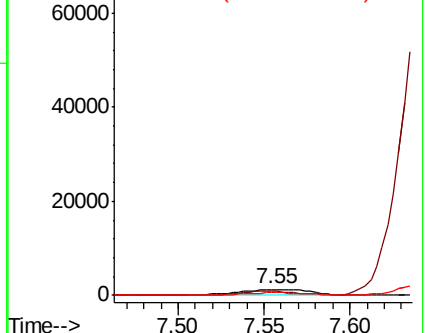
61 39.6 33.8 50.6



Abundance Ion 96.90 (96.60 to 97.60): VN056929.D (-1776) (-)

Ion 98.90 (98.60 to 99.60): VN056929.D (-1776) (-)

Ion 60.90 (60.60 to 61.60): VN056929.D (-1776) (-)



#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

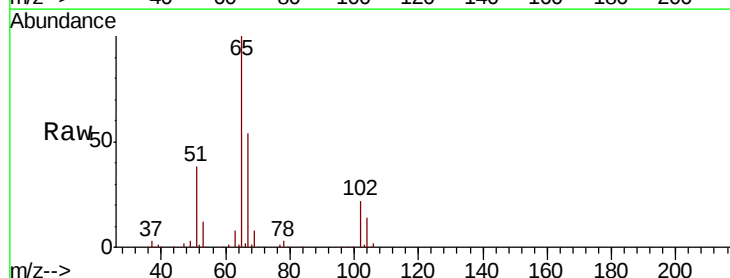
Acq: 25 Jul 2019 19:18

Tgt Ion: 65 Resp: 240870

Ion Ratio Lower Upper

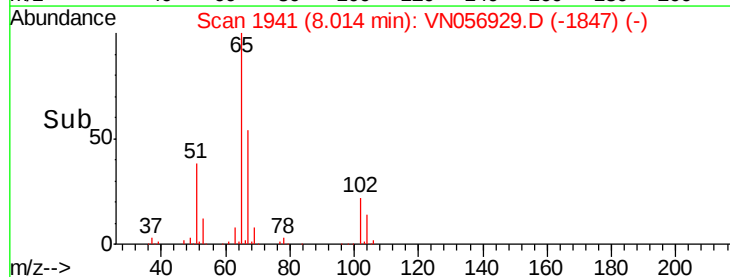
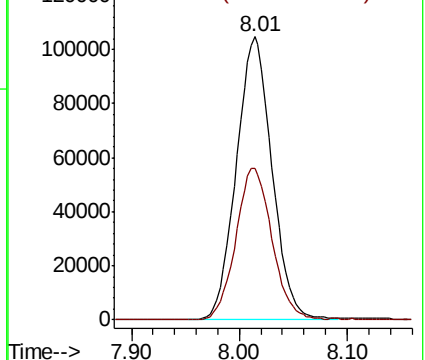
65 100

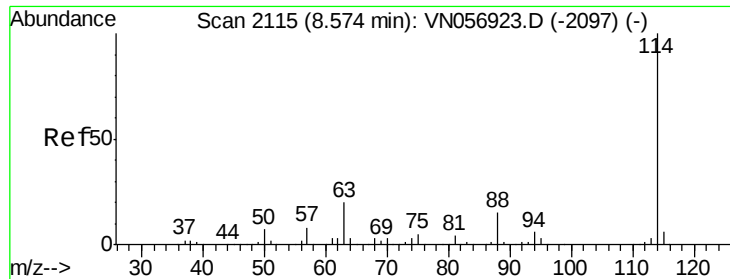
67 54.2 0.0 109.2



Abundance Ion 64.90 (64.60 to 65.60): VN056929.D (-1847) (-)

Ion 66.90 (66.60 to 67.60): VN056929.D (-1847) (-)

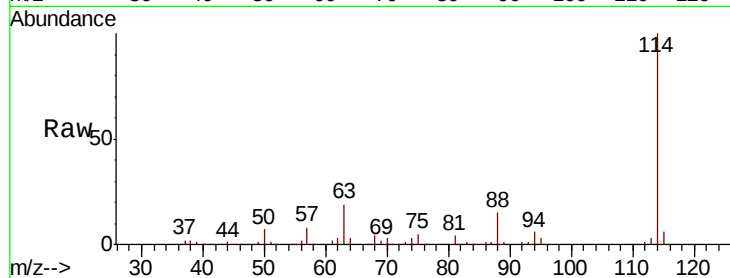




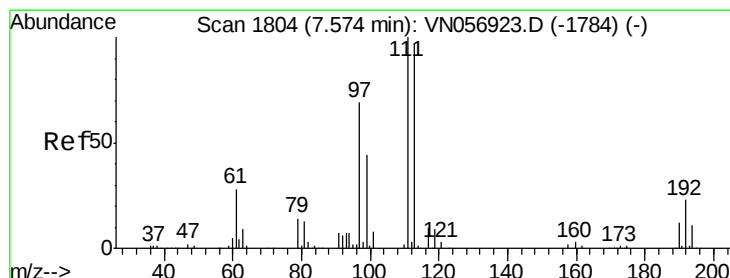
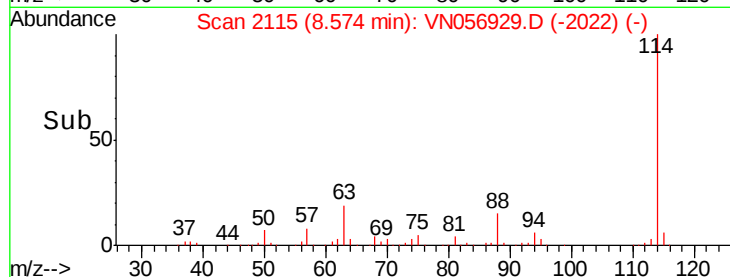
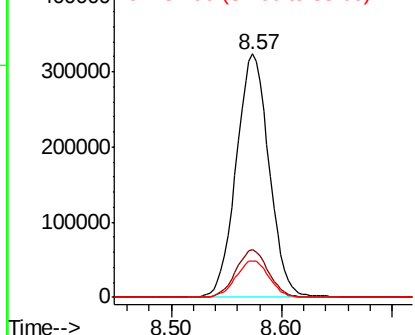
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.57 min Scan# 2115
Delta R.T. -0.00 min
Lab File: VN056929.D
Acq: 25 Jul 2019 19:18

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

Tot Ion:114 Resp: 667585
Ion Ratio Lower Upper
114 100
63 19.4 0.0 39.4
88 15.1 0.0 30.4

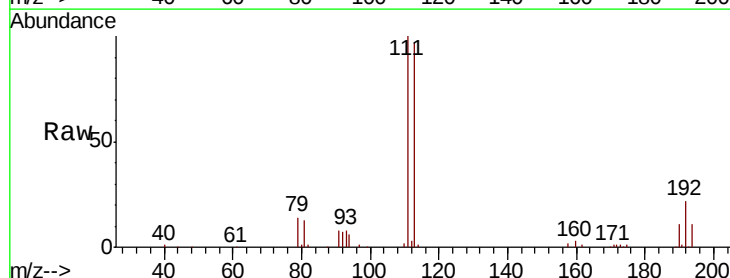


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

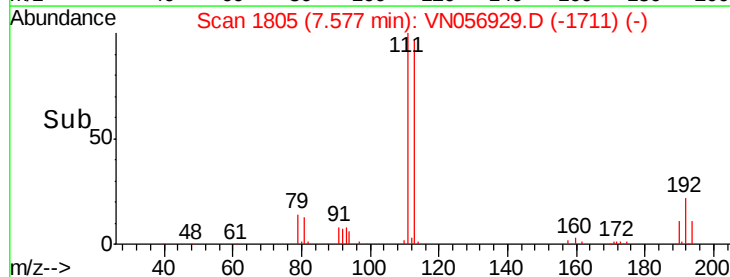
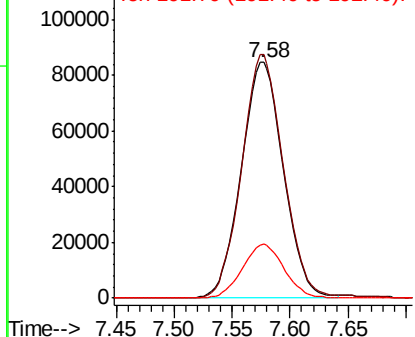


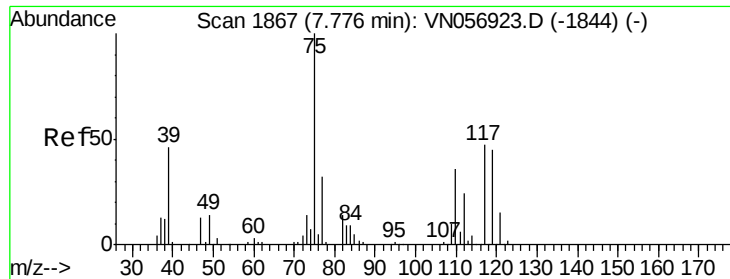
#35
Dibromofluoromethane
Concen: 50.235 ug/l
RT: 7.58 min Scan# 1805
Delta R.T. 0.00 min
Lab File: VN056929.D
Acq: 25 Jul 2019 19:18

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



Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V





#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

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT3-2019

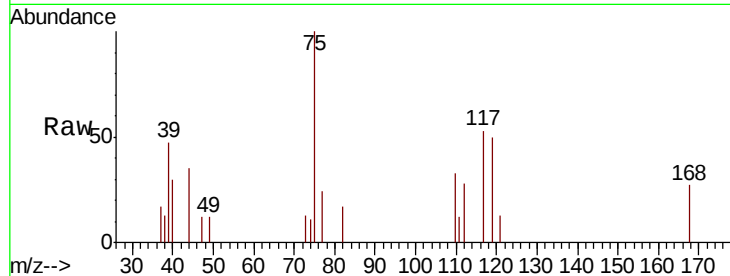
Tot Ion: 75 Resp: 3104

Ion Ratio Lower Upper

75 100

110 42.3 18.9 56.9

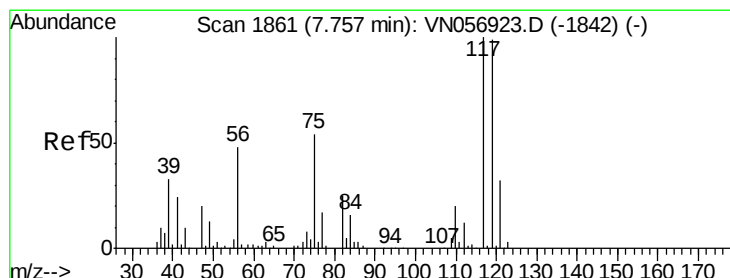
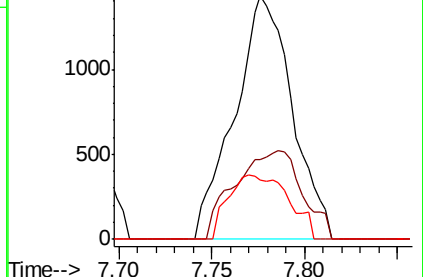
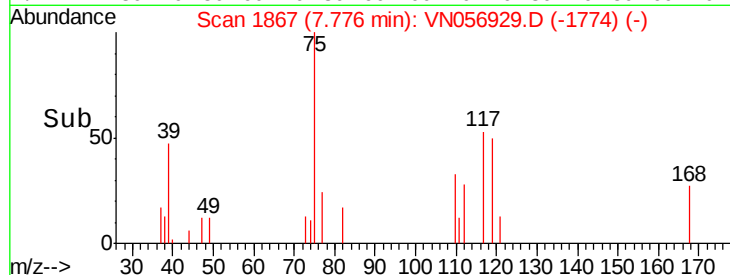
77 27.4 25.4 38.0



Abundance Ion 74.90 (74.60 to 75.60): VN056929.D (-1774) (-)

Ion 109.90 (109.60 to 110.60): VN056929.D (-1774) (-)

Ion 76.90 (76.60 to 77.60): VN056929.D (-1774) (-)



#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

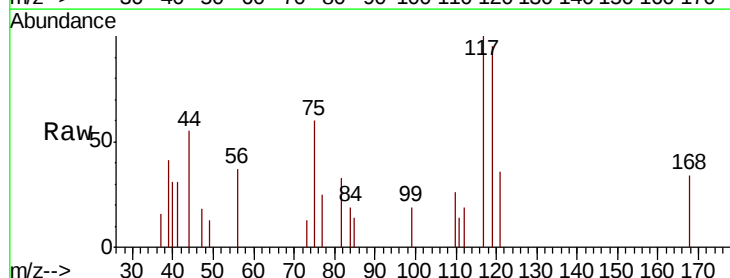
Tgt Ion: 117 Resp: 3105

Ion Ratio Lower Upper

117 100

119 94.8 79.0 118.6

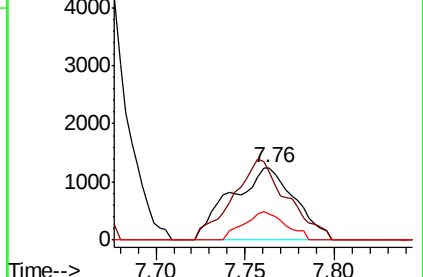
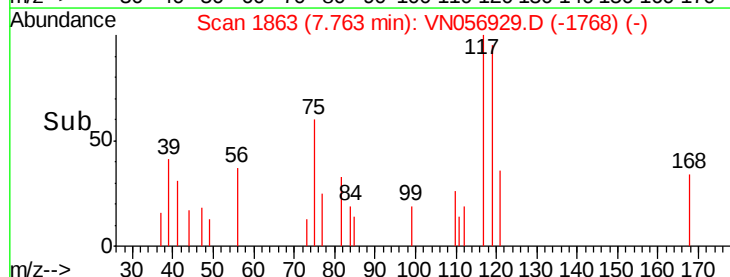
121 35.6 25.1 37.7

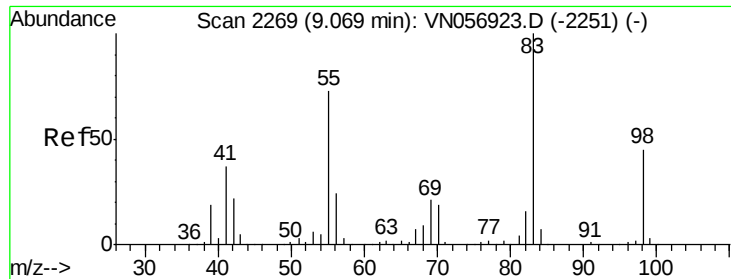


Abundance Ion 116.80 (116.50 to 117.50): VN056929.D (-1768) (-)

Ion 118.80 (118.50 to 119.50): VN056929.D (-1768) (-)

Ion 120.80 (120.50 to 121.50): VN056929.D (-1768) (-)

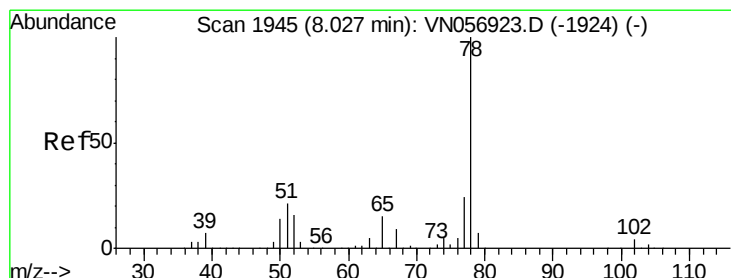
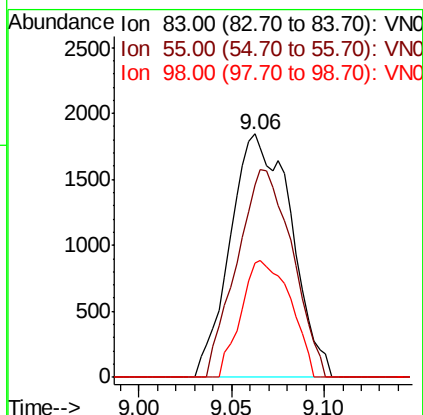
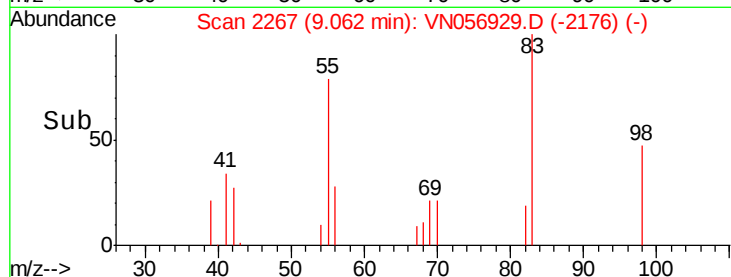
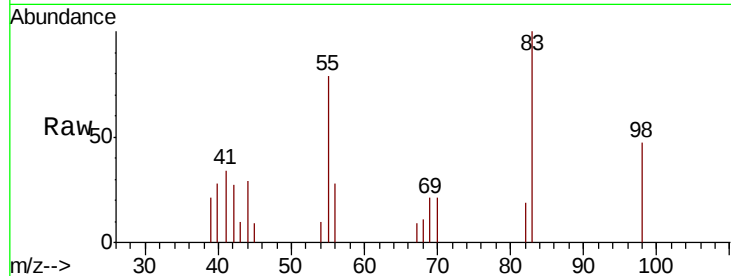




#39
Methvlcvclohexane
Concen: 0.565 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.01 min
Lab File: VN056929.D
Acq: 25 Jul 2019 19:18

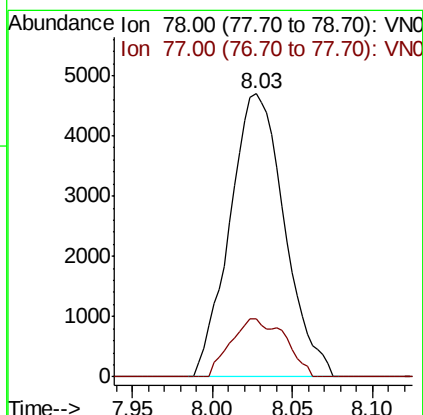
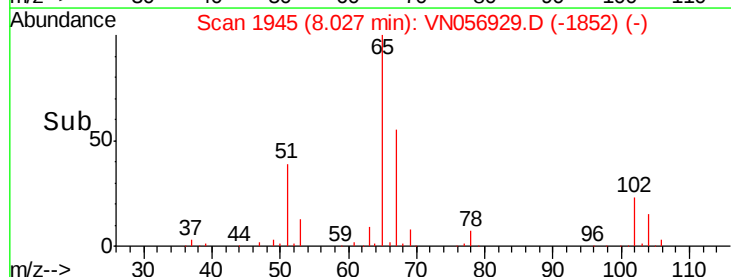
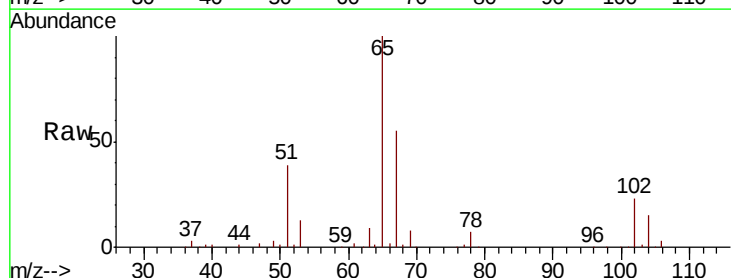
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2019

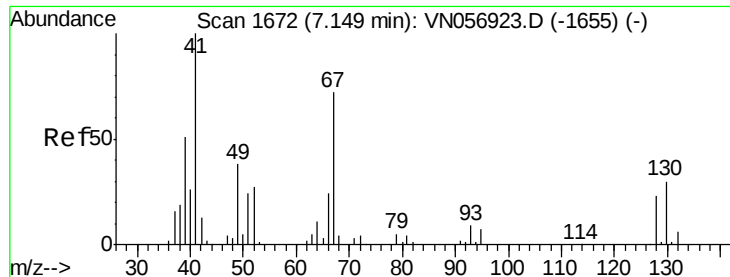
Tot Ion: 83 Resp: 4201
Ion Ratio Lower Upper
83 100
55 78.8 58.8 88.2
98 47.0 35.8 53.6



#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





#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

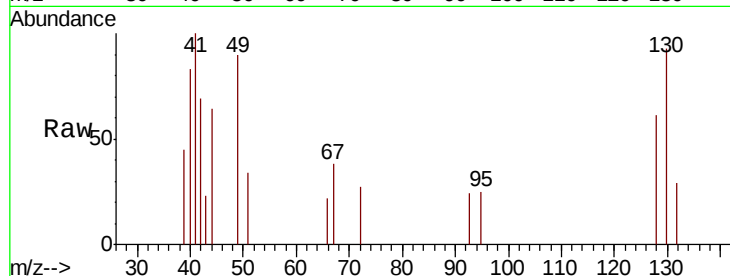
Ion Ratio Lower Upper

41 100

39 57.6 0.0 0.0#

67 19.7 0.0 0.0#

52 0.0 0.0 0.0

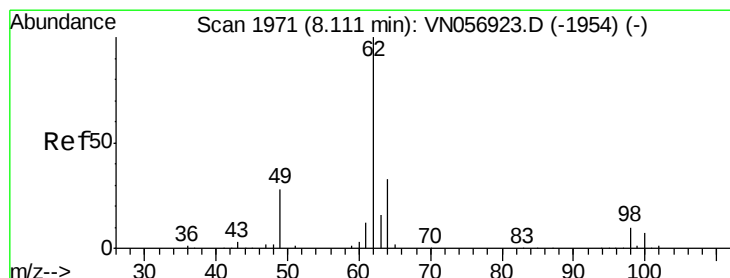
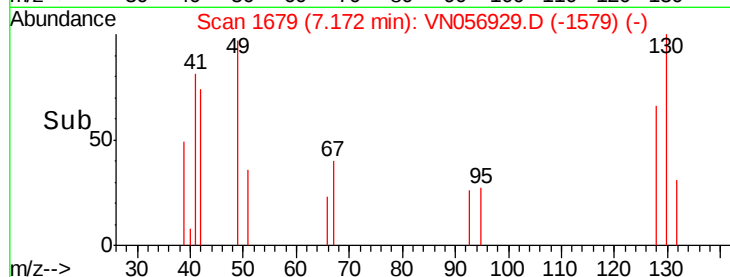
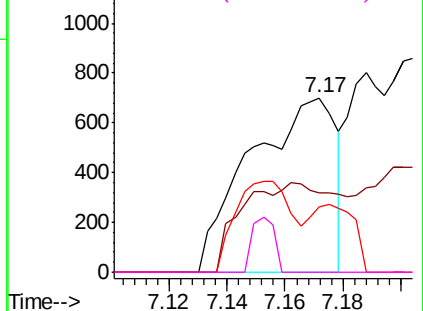


Abundance Ion 41.00 (40.70 to 41.70): VNC

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

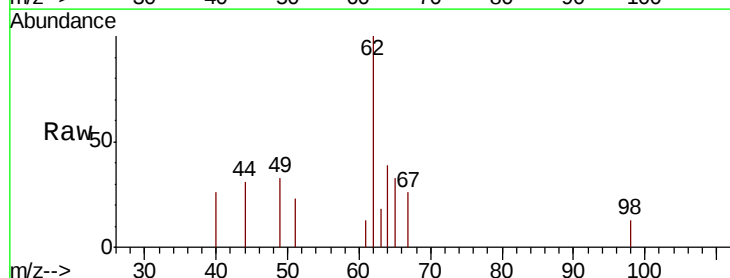
Acq: 25 Jul 2019 19:18

Tgt Ion: 62 Resp: 3710

Ion Ratio Lower Upper

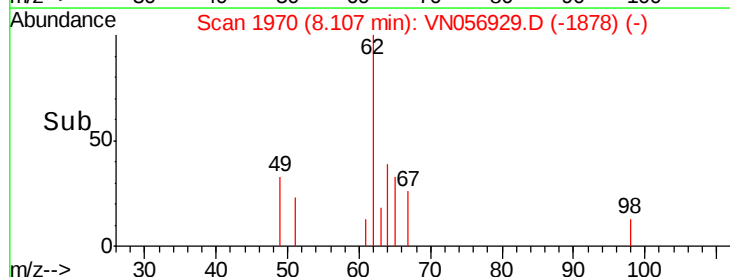
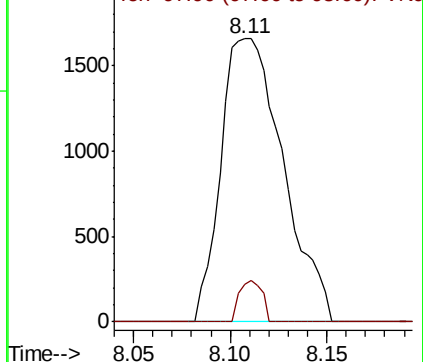
62 100

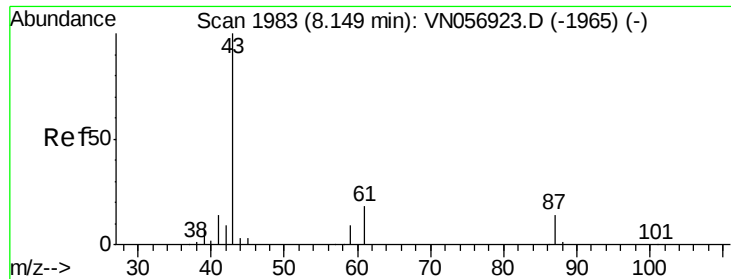
98 5.3 0.0 20.8



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

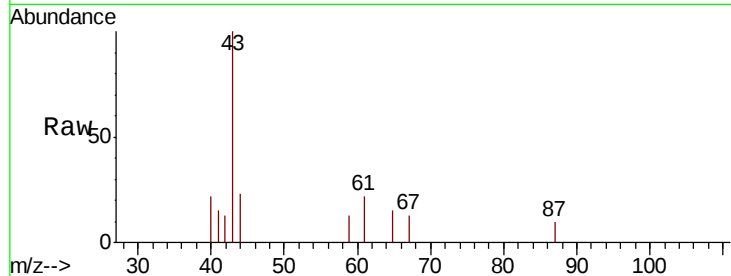
Tot Ion: 43 Resp: 3925

Ion Ratio Lower Upper

43 100

61 12.6 23.8 35.6#

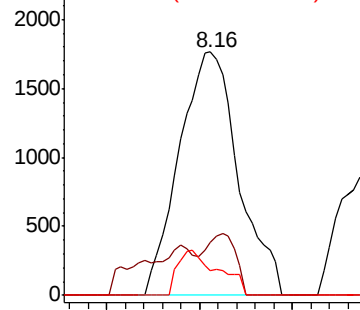
87 0.0 11.8 17.6#



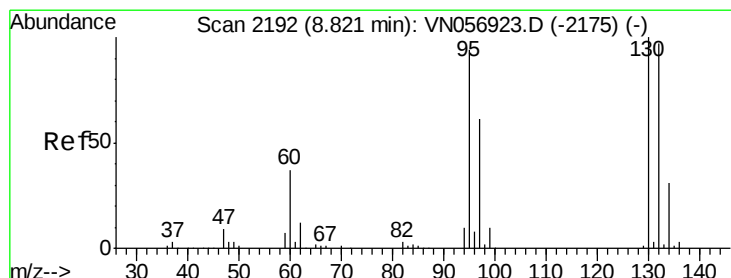
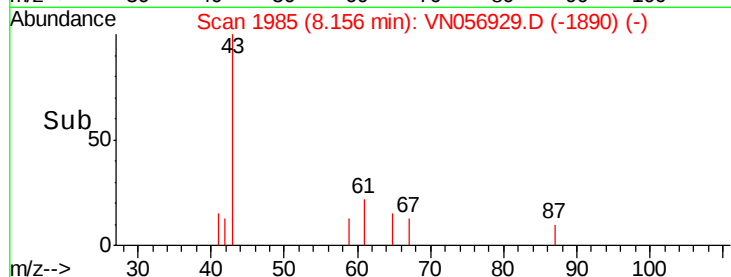
Abundance Ion 43.00 (42.70 to 43.70): VN056929.D (-1965) (-)

Ion 61.00 (60.70 to 61.70): VN056929.D (-1965) (-)

Ion 87.00 (86.70 to 87.70): VN056929.D (-1965) (-)



Time-->



#44

Trichloroethene

Concen: 0.322 ug/l

RT: 8.82 min Scan# 2191

Delta R.T. -0.00 min

Lab File: VN056929.D

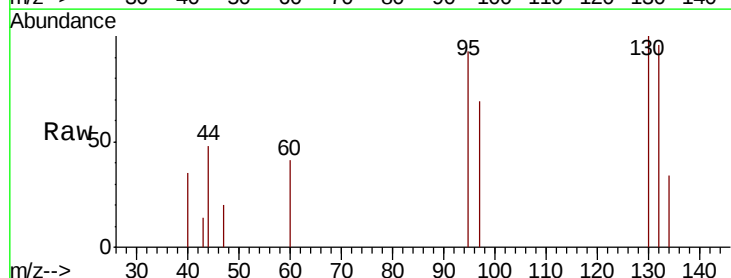
Acq: 25 Jul 2019 19:18

Tgt Ion: 130 Resp: 1672

Ion Ratio Lower Upper

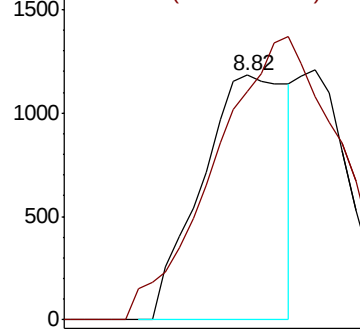
130 100

95 80.8 0.0 187.6

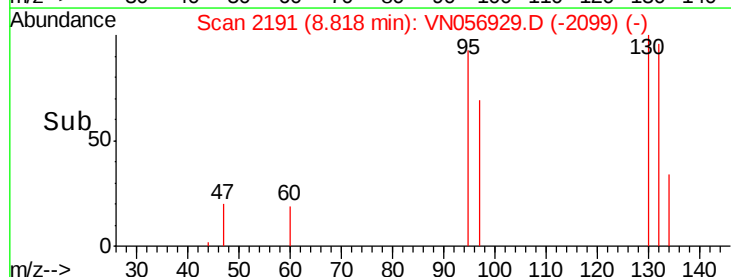


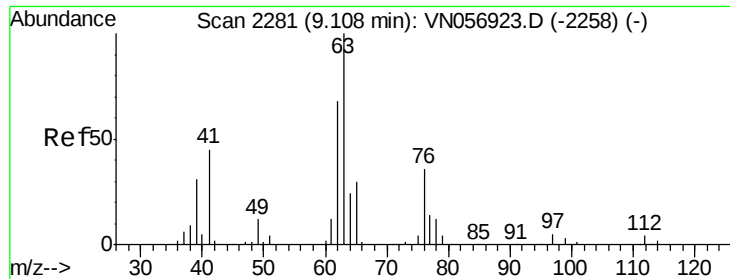
Abundance Ion 129.80 (129.50 to 130.50): VN056929.D (-2099) (-)

Ion 94.90 (94.60 to 95.60): VN056929.D (-2099) (-)



Time-->

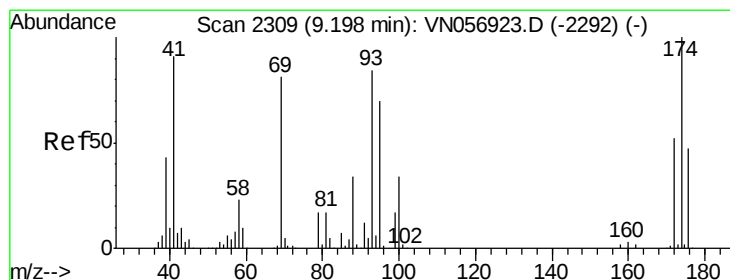
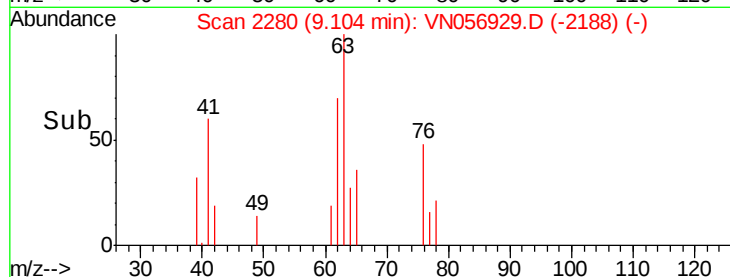
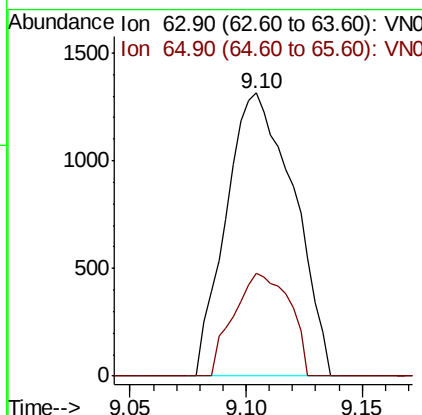
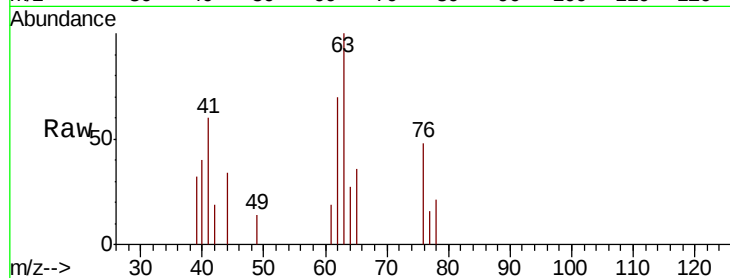




#45
 1,2-Dichloropropane
 Concen: 0.519 ug/l
 RT: 9.10 min Scan# 2280
 Delta R.T. -0.00 min
 Lab File: VN056929.D
 Acq: 25 Jul 2019 19:18

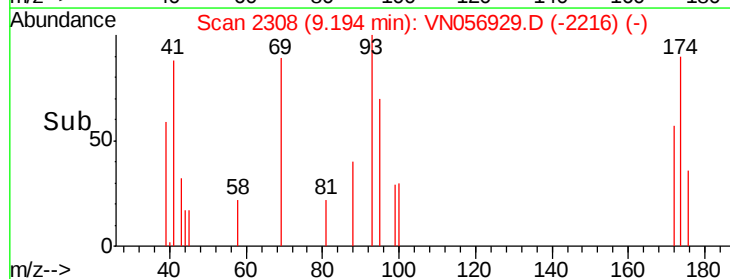
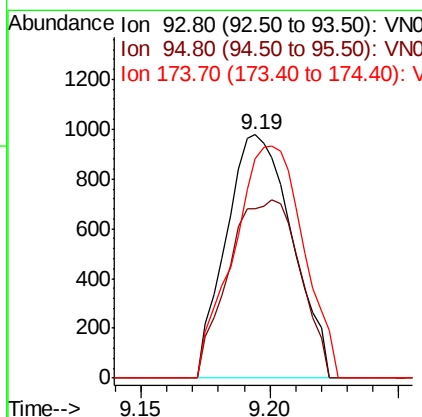
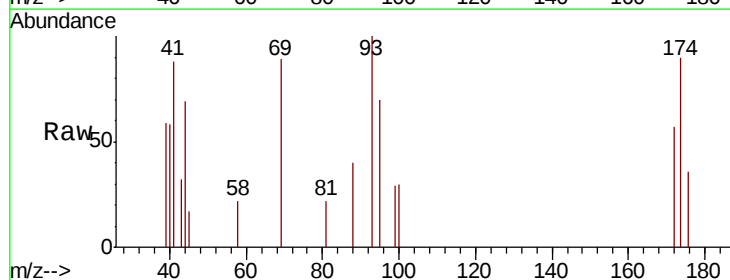
Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2019

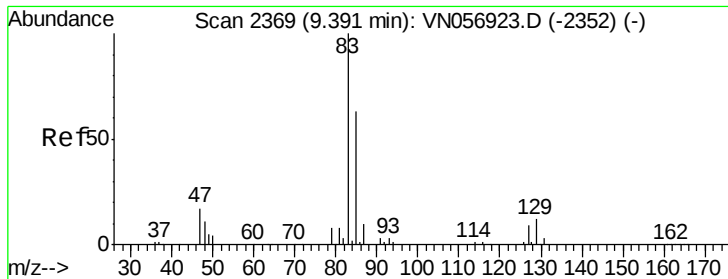
Tot Ion: 63 Resp: 2657
 Ion Ratio Lower Upper
 63 100
 65 36.4 24.5 36.7



#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





#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

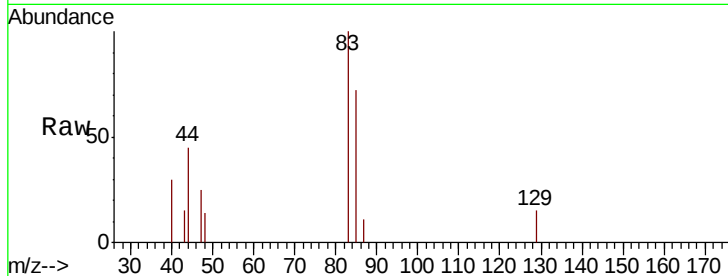
Tot Ion: 83 Resp: 3020

Ion Ratio Lower Upper

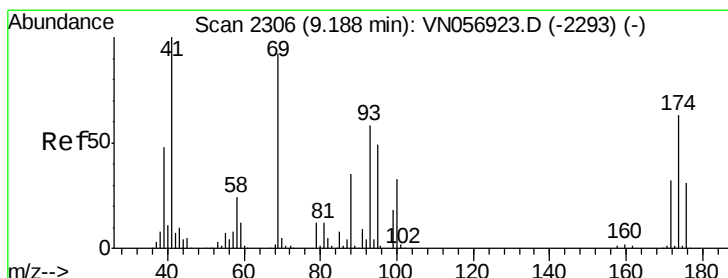
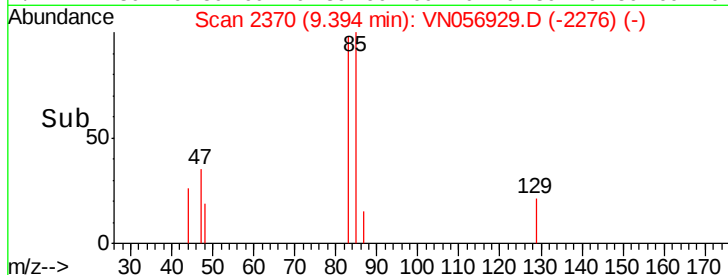
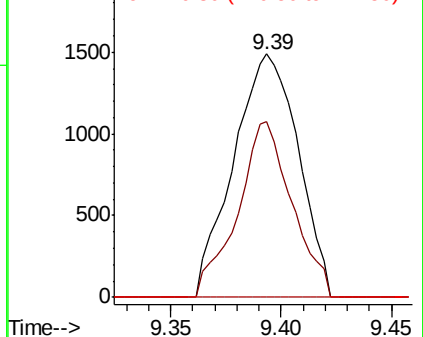
83 100

85 72.3 50.5 75.7

127 0.0 7.4 11.0#



Abundance Ion 82.90 (82.60 to 83.60): VNO
2000 Ion 84.90 (84.60 to 85.60): VNO
Ion 126.80 (126.50 to 127.50): VNO



#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

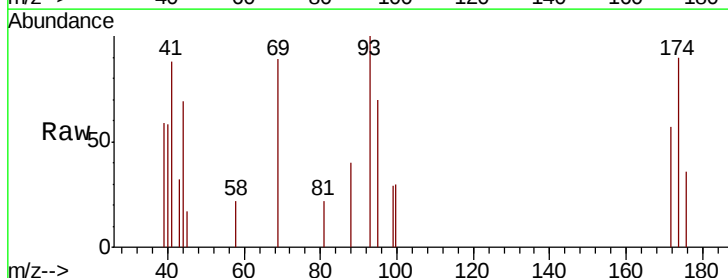
Tgt Ion: 41 Resp: 1740

Ion Ratio Lower Upper

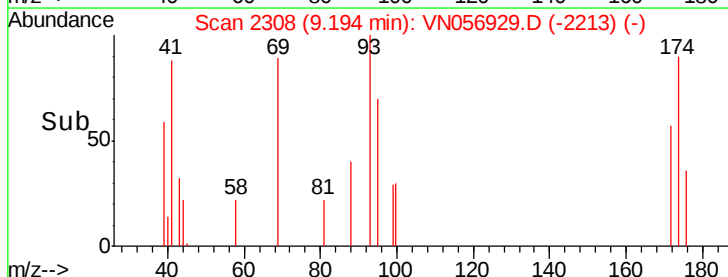
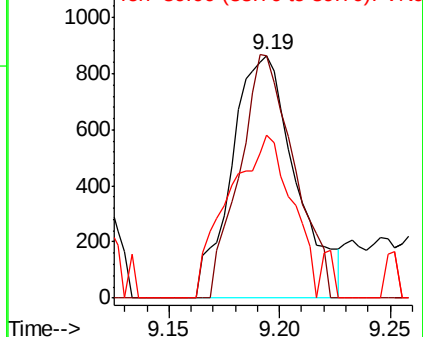
41 100

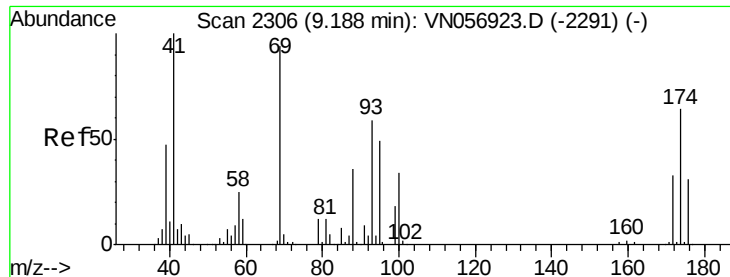
69 85.2 73.4 110.0

39 66.5 40.1 60.1#



Abundance Ion 41.00 (40.70 to 41.70): VNO
1200 Ion 69.00 (68.70 to 69.70): VNO
Ion 39.00 (38.70 to 39.70): VNO





#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

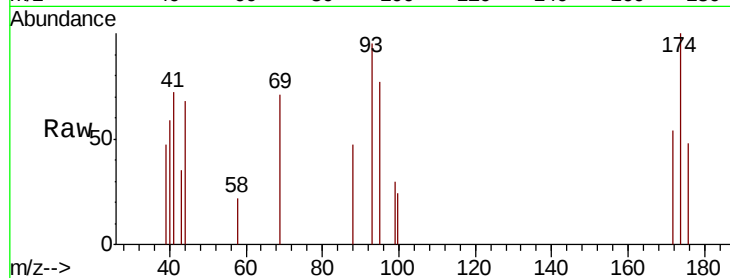
Tot Ion: 88 Resp: 832

Ion Ratio Lower Upper

88 100

43 50.8 21.1 31.7#

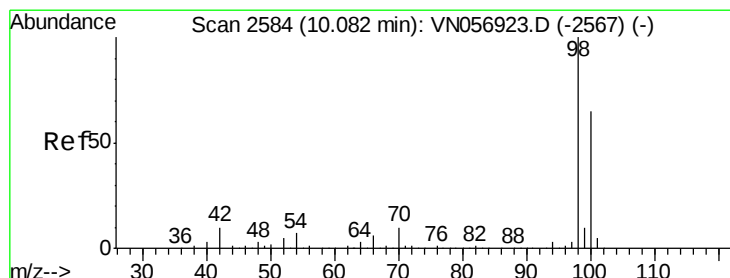
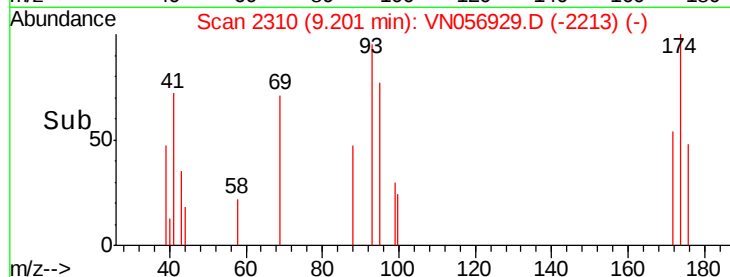
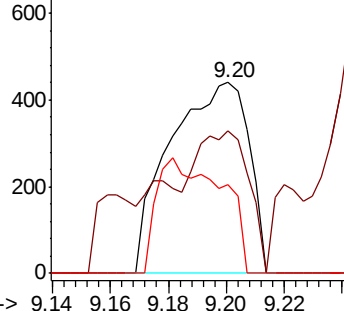
58 49.5 52.5 78.7#



Abundance Ion 88.00 (87.70 to 88.70): VN056929.D (-2310) (-)

Ion 43.00 (42.70 to 43.70): VN056929.D (-2310) (-)

Ion 58.00 (57.70 to 58.70): VN056929.D (-2310) (-)



#50

Toluene-d8

Concen: 48.603 ug/l

RT: 10.08 min Scan# 2584

Delta R.T. -0.00 min

Lab File: VN056929.D

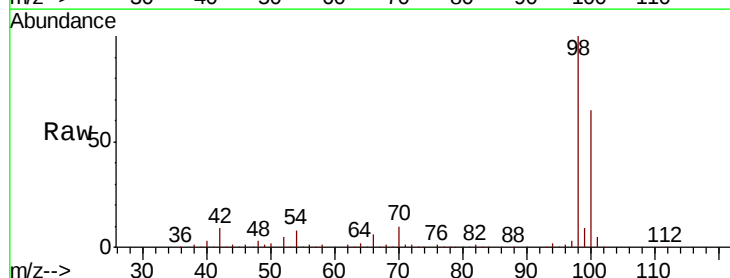
Acq: 25 Jul 2019 19:18

Tgt Ion: 98 Resp: 786097

Ion Ratio Lower Upper

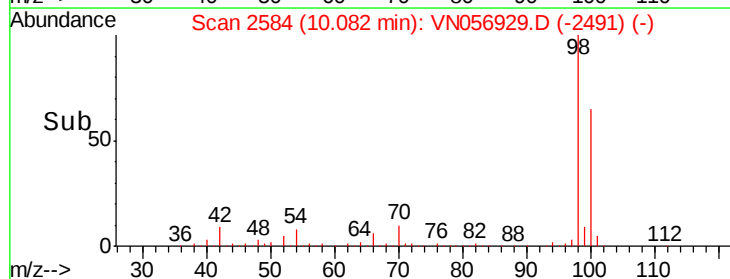
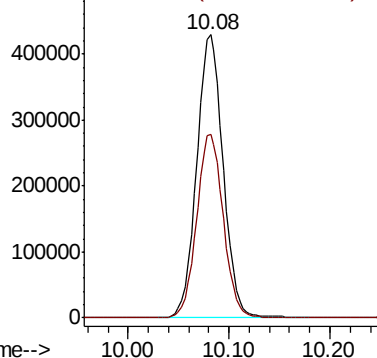
98 100

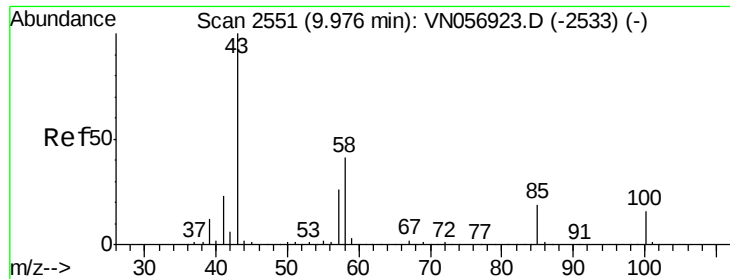
100 65.3 51.4 77.2



Abundance Ion 98.00 (97.70 to 98.70): VN056929.D (-2584) (-)

Ion 100.00 (99.70 to 100.70): VN056929.D (-2584) (-)





#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 :

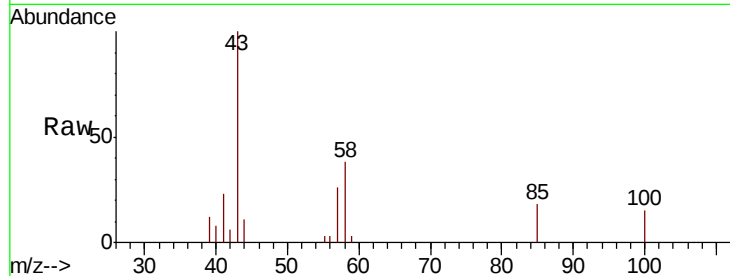
LOD-MDL-WATER-01-QT3-2019

Tot Ion: 43 Resp: 12281

Ion Ratio Lower Upper

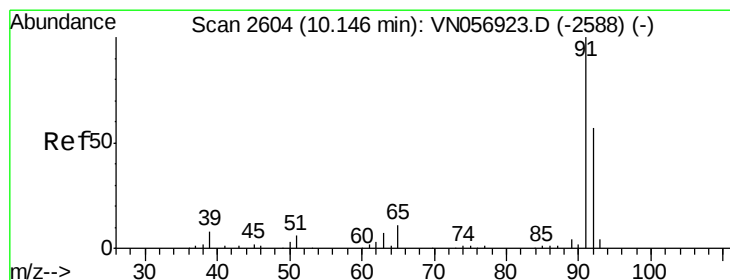
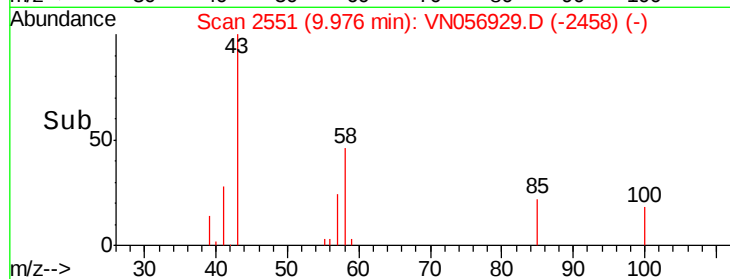
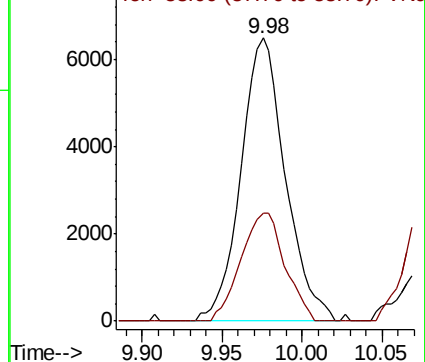
43 100

58 37.7 32.8 49.2



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

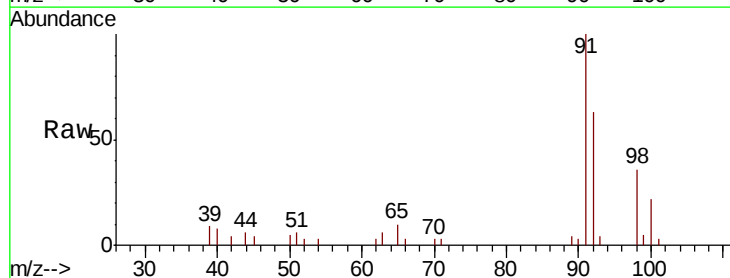
Acq: 25 Jul 2019 19:18

Tgt Ion: 92 Resp: 6577

Ion Ratio Lower Upper

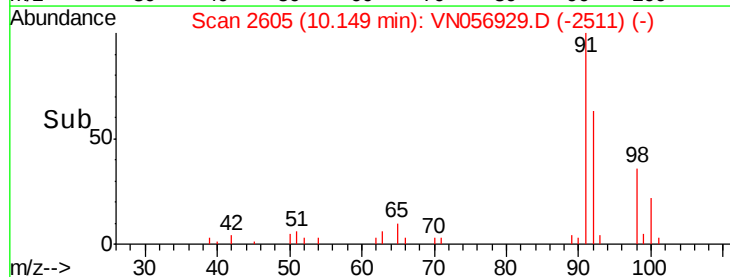
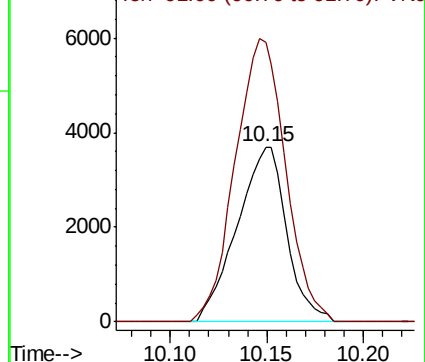
92 100

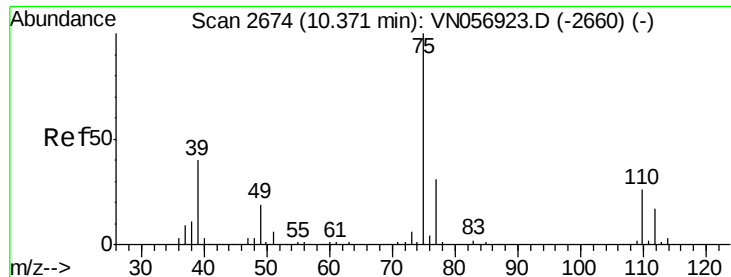
91 164.8 139.8 209.6



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

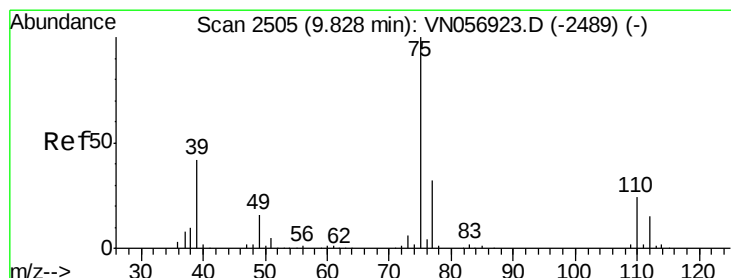
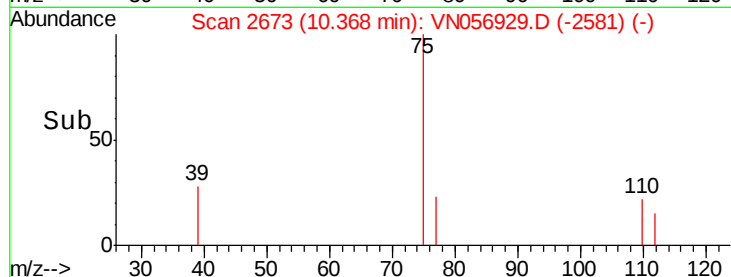
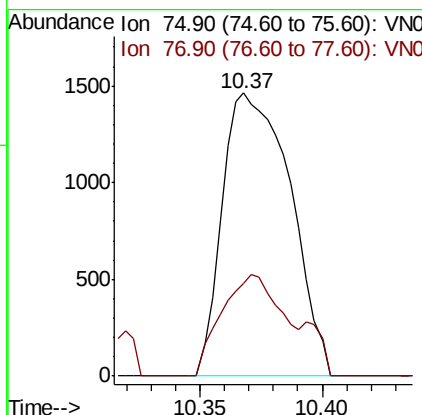
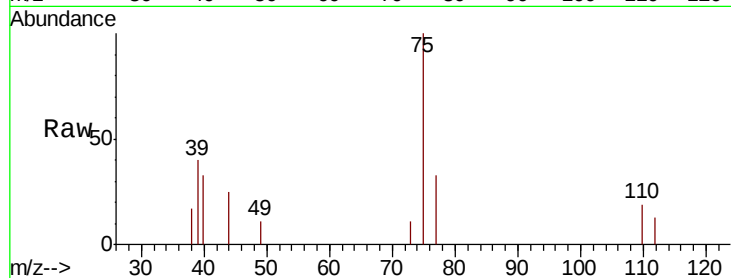




#53
t-1,3-Dichloropropene
Concen: 0.467 ug/l
RT: 10.37 min Scan# 2673
Delta R.T. -0.00 min
Lab File: VN056929.D
Acq: 25 Jul 2019 19:18

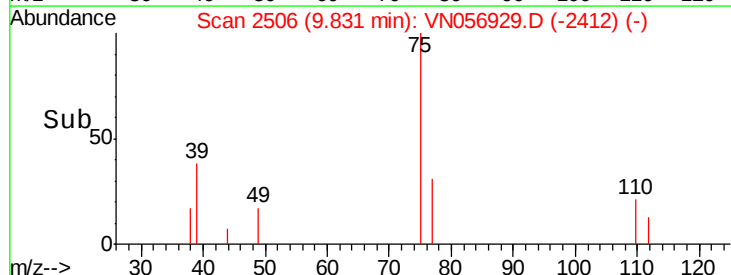
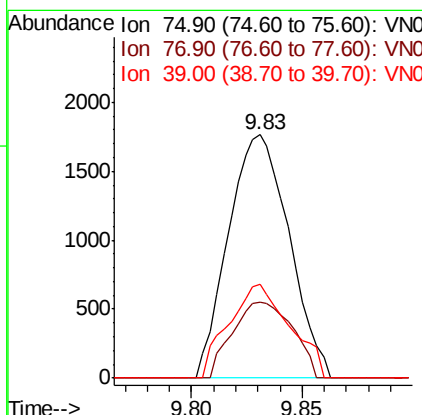
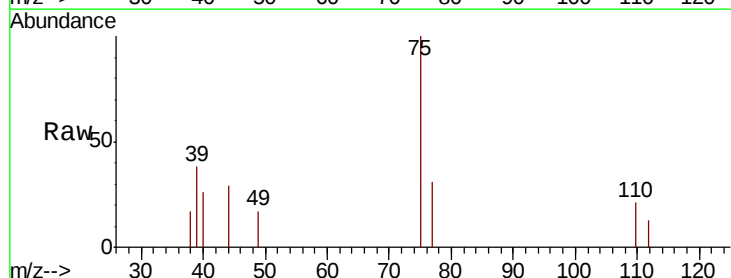
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2019

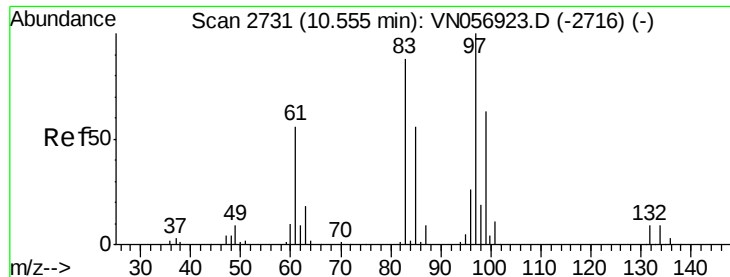
Tot Ion: 75 Resp: 2833
Ion Ratio Lower Upper
75 100
77 32.9 25.0 37.6



#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

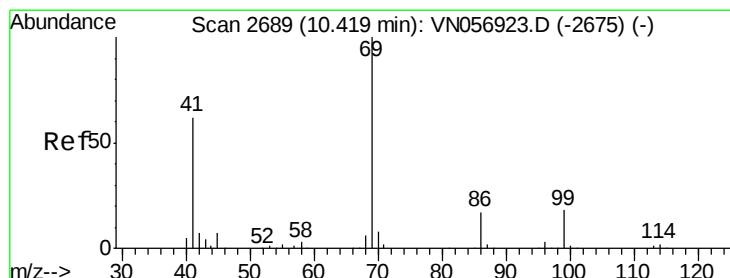
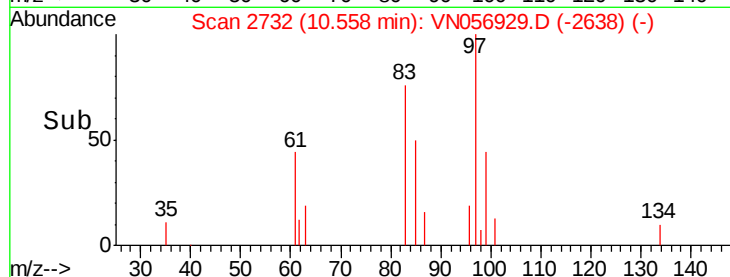
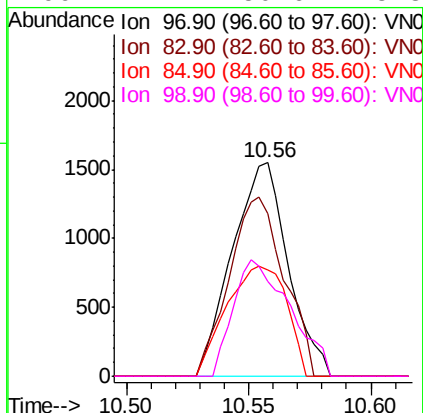
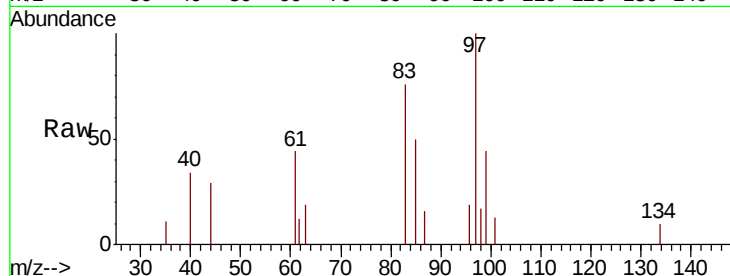




#55
 1,1,2-Trichloroethane
 Concen: 0.536 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. 0.00 min
 Lab File: VN056929.D
 Acq: 25 Jul 2019 19:18

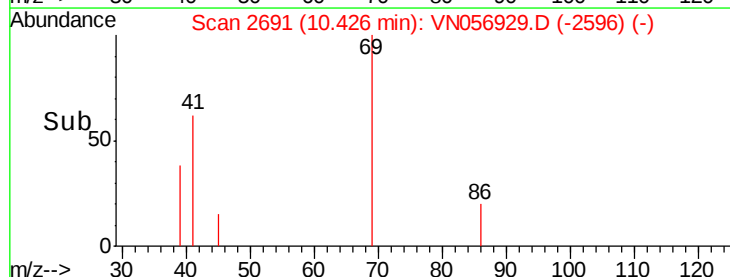
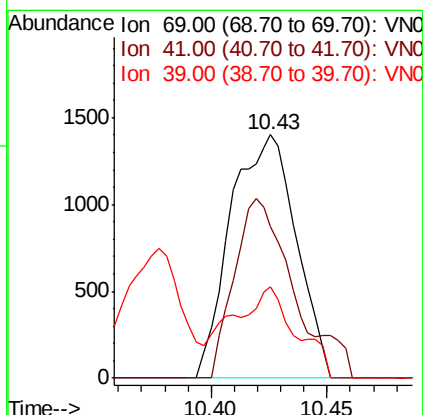
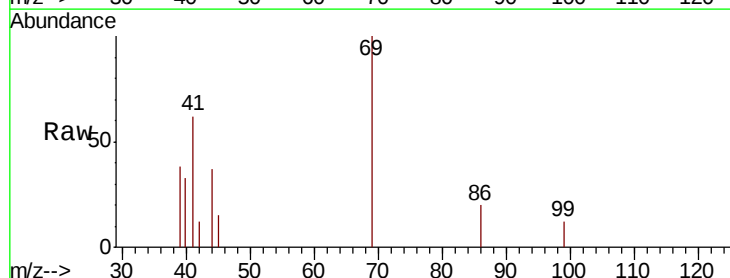
Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2019

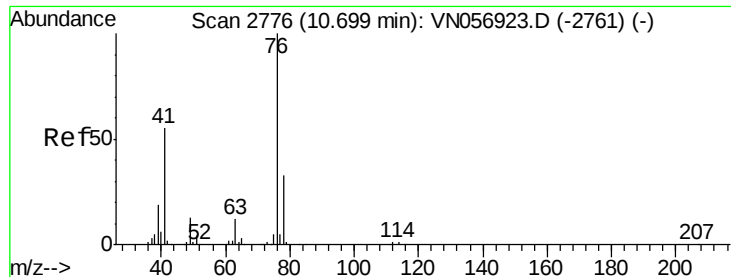
Tot Ion: 97 Resp: 2454
 Ion Ratio Lower Upper
 97 100
 83 76.4 70.1 105.1
 85 49.7 45.1 67.7
 99 44.1 50.6 75.8#



#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: 69 Resp: 2748
 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 :

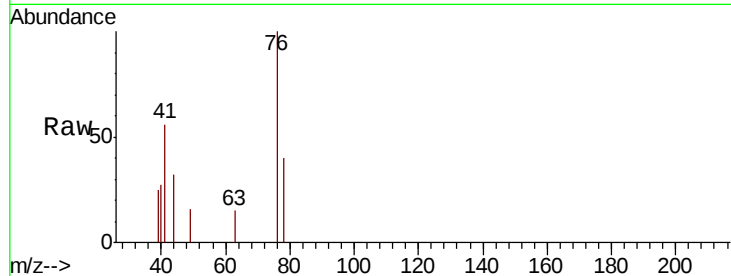
LOD-MDL-WATER-01-QT3-2019

Tot Ion: 76 Resp: 3709

Ion Ratio Lower Upper

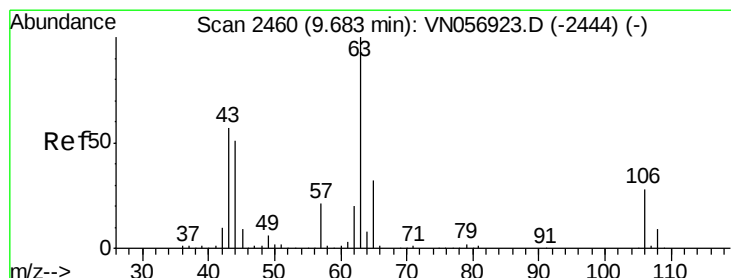
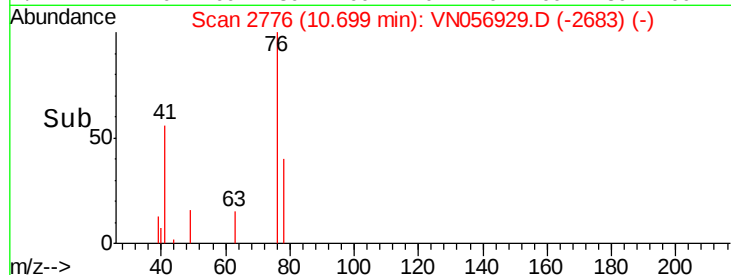
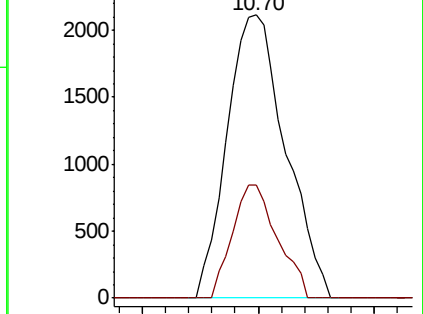
76 100

78 30.7 25.8 38.8



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#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

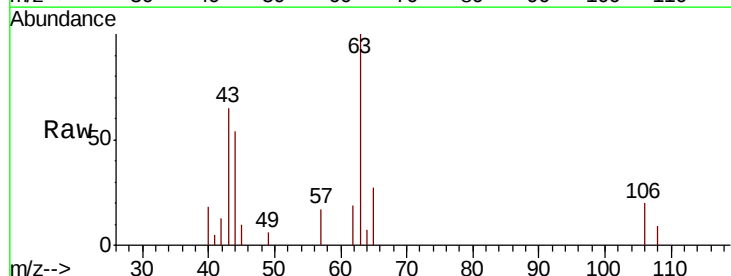
Acq: 25 Jul 2019 19:18

Tgt Ion: 63 Resp: 5843

Ion Ratio Lower Upper

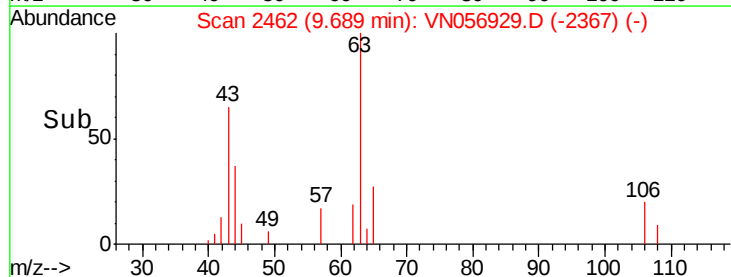
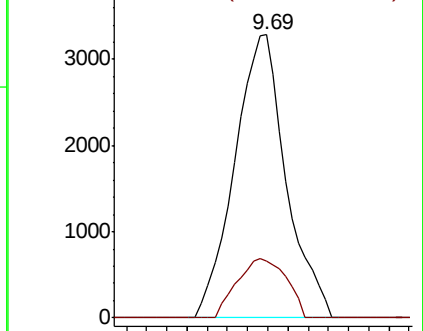
63 100

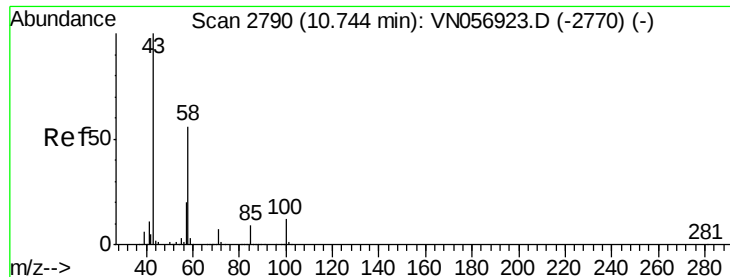
106 20.2 22.2 33.4#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

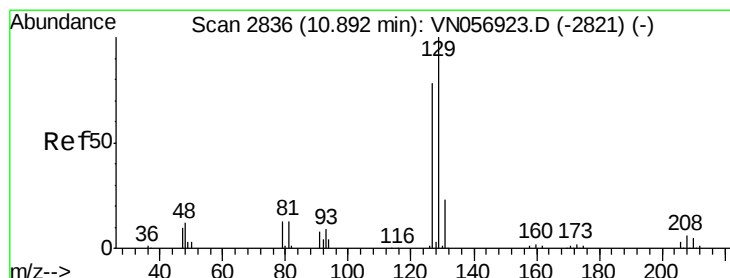
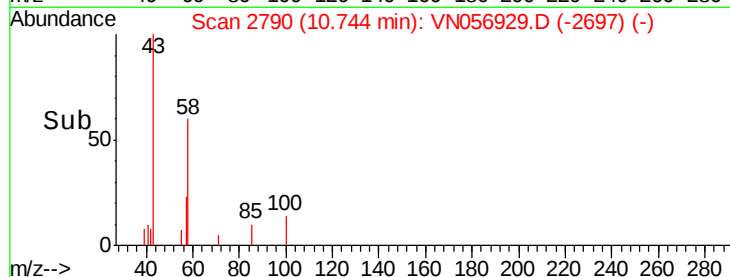
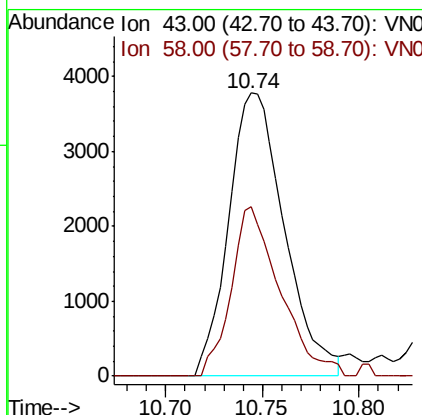
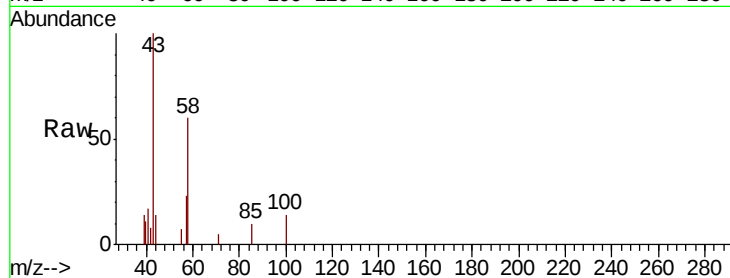




#59
2-Hexanone
Concen: 2.285 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. -0.00 min
Lab File: VN056929.D
Acq: 25 Jul 2019 19:18

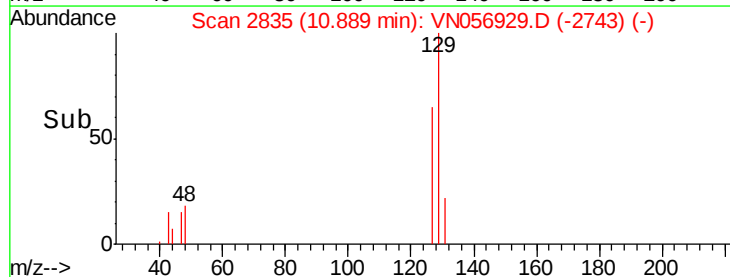
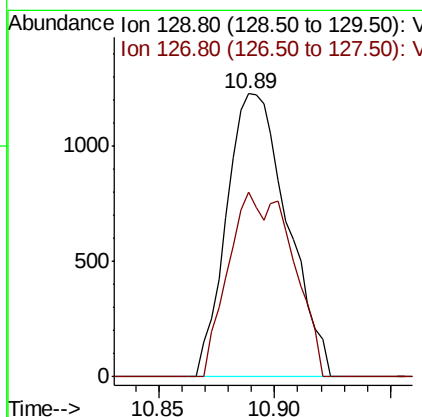
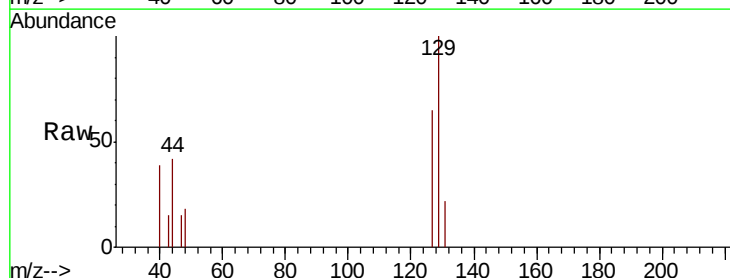
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2019

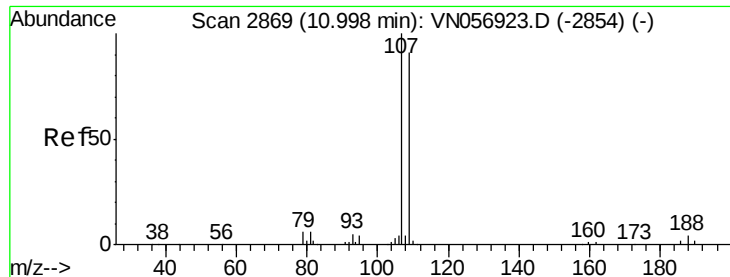
Tot Ion: 43 Resp: 7577
Ion Ratio Lower Upper
43 100
58 52.3 28.2 84.6



#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#

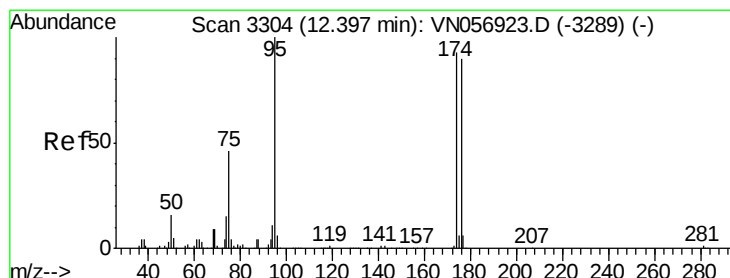
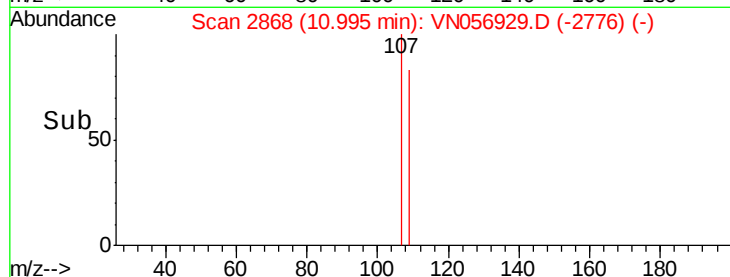
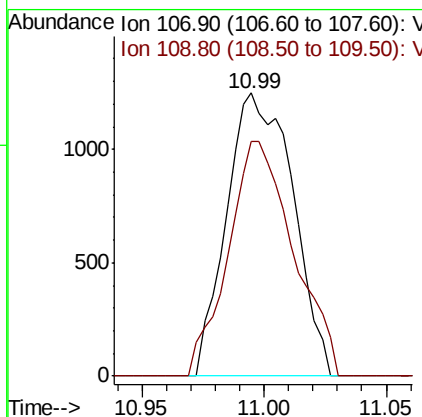
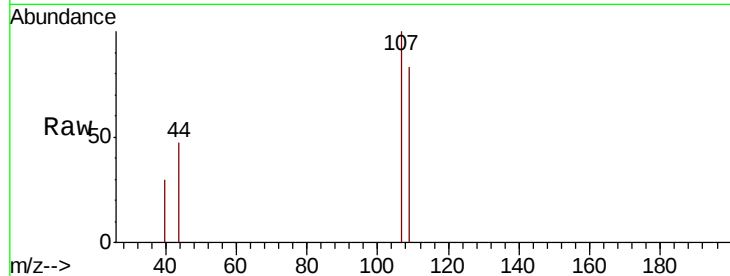




#61
 1,2-Dibromoethane
 Concen: 0.519 ug/l
 RT: 10.99 min Scan# 2868
 Delta R.T. -0.00 min
 Lab File: VN056929.D
 Acq: 25 Jul 2019 19:18

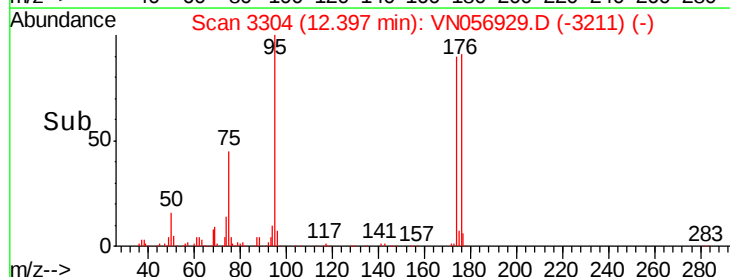
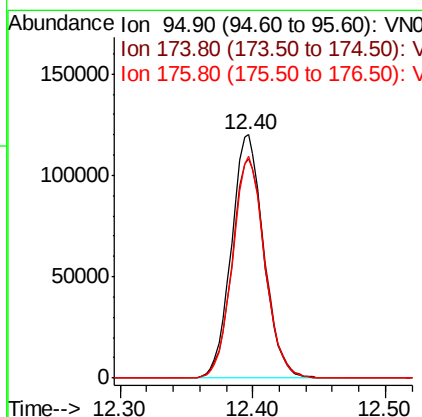
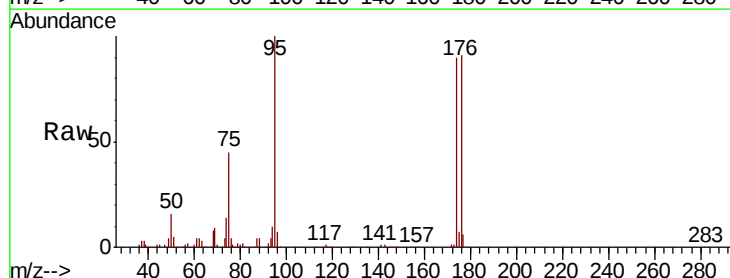
Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2019

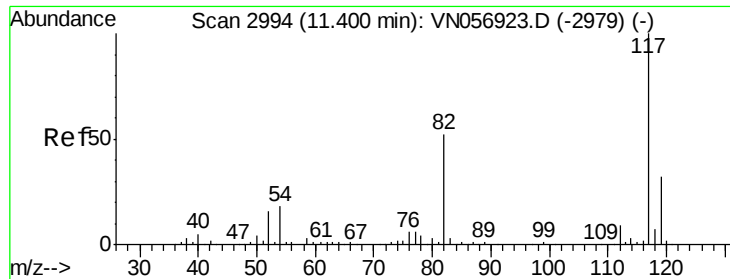
Tot Ion:107 Resp: 2355
 Ion Ratio Lower Upper
 107 100
 109 81.5 74.8 112.2



#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: 95 Resp: 202353
 Ion Ratio Lower Upper
 95 100
 174 92.3 0.0 186.2
 176 90.3 0.0 179.6

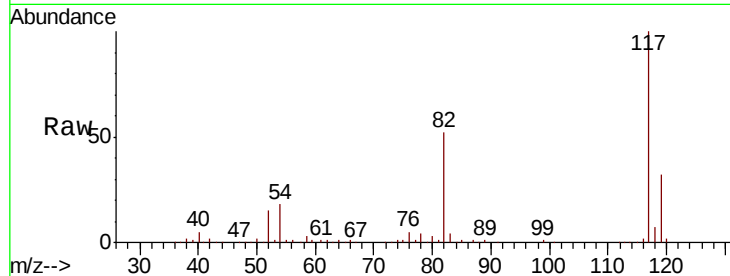




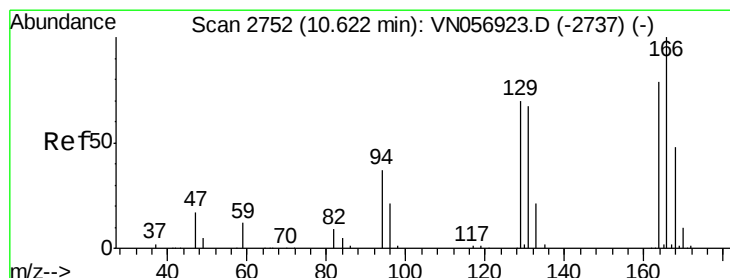
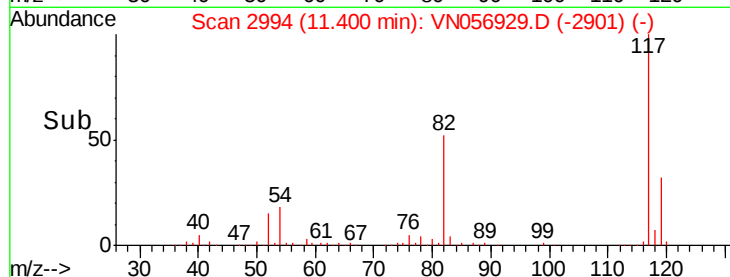
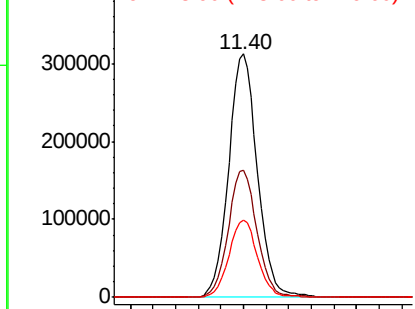
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN056929.D
Acq: 25 Jul 2019 19:18

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

Tot Ion:117 Resp: 550713
Ion Ratio Lower Upper
117 100
82 52.3 41.7 62.5
119 31.9 25.5 38.3

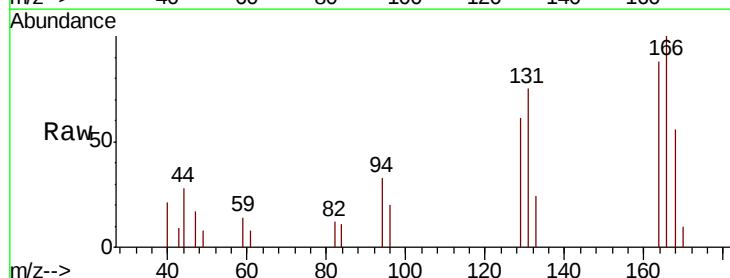


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

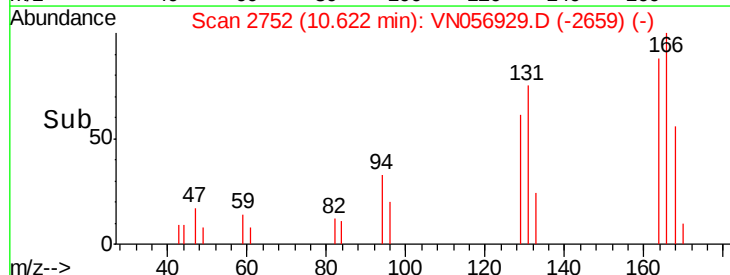
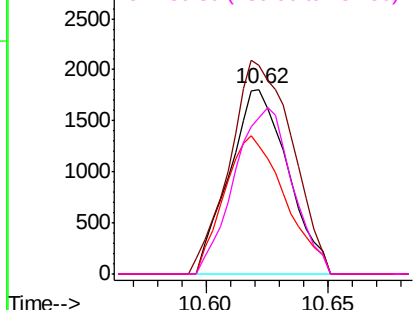


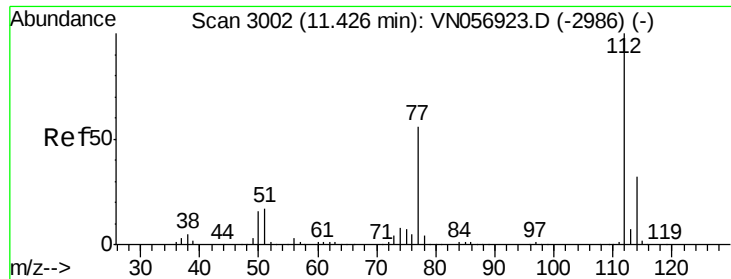
#64
Tetrachloroethene
Concen: 0.598 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. -0.00 min
Lab File: VN056929.D
Acq: 25 Jul 2019 19:18

Tgt Ion:164 Resp: 3008
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

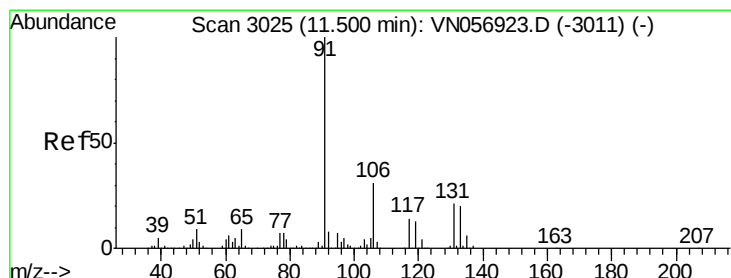
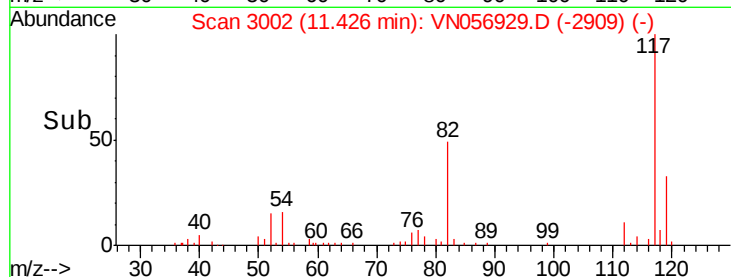
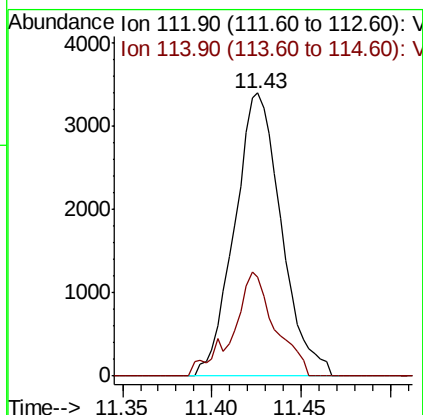
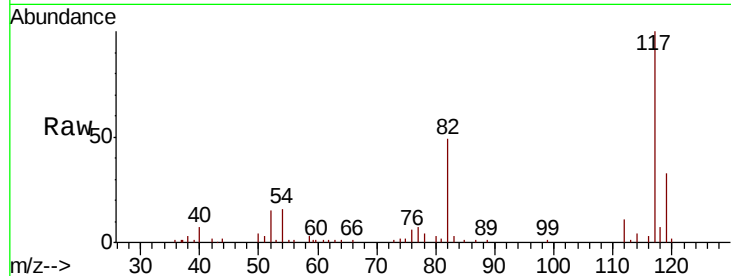




#65
Chlorobenzene
Concen: 0.542 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. -0.00 min
Lab File: VN056929.D
Acq: 25 Jul 2019 19:18

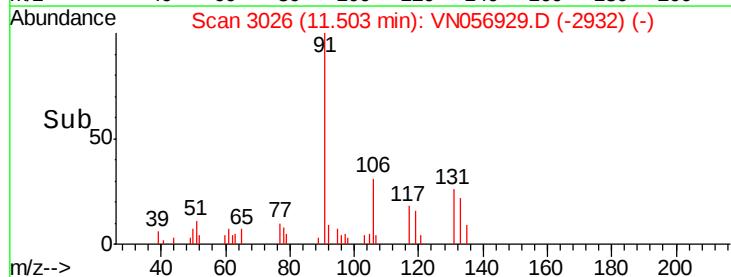
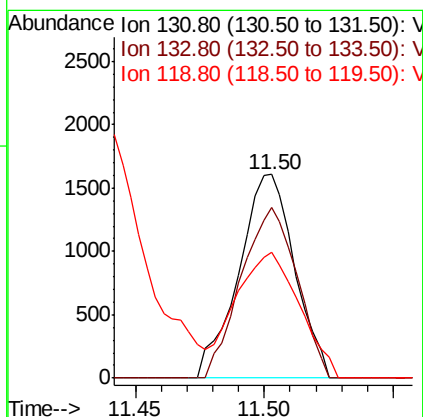
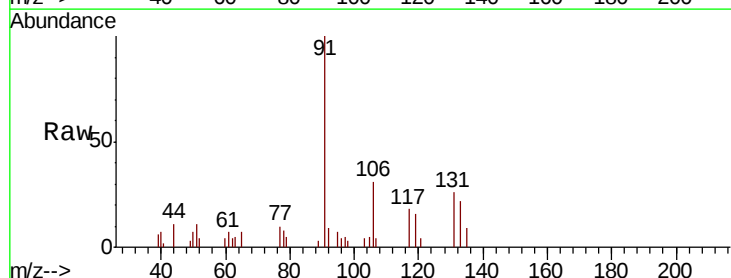
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2019

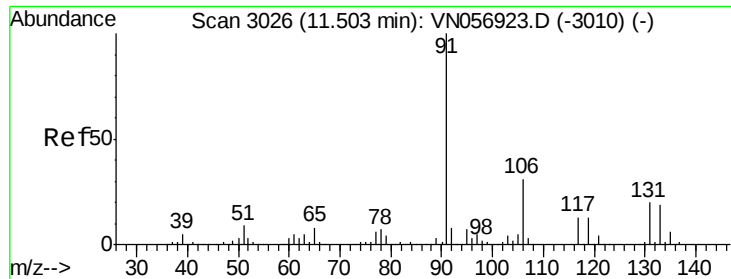
Tot Ion:112 Resp: 6240
Ion Ratio Lower Upper
112 100
114 35.1 25.8 38.8



#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#

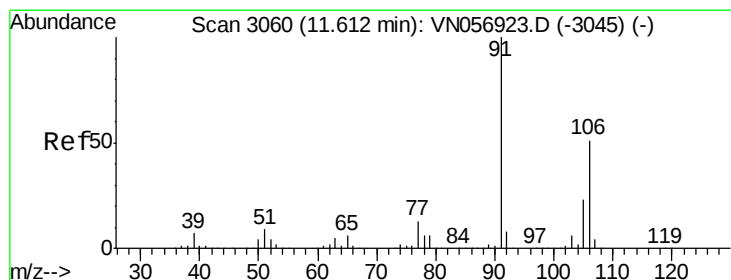
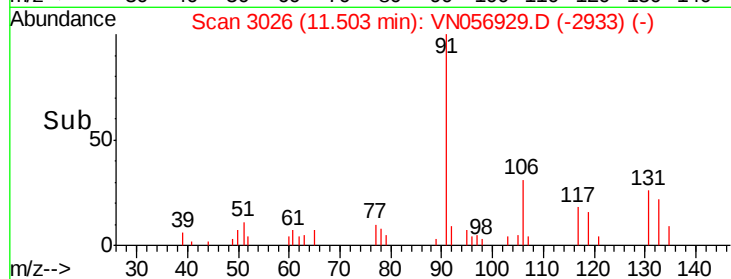
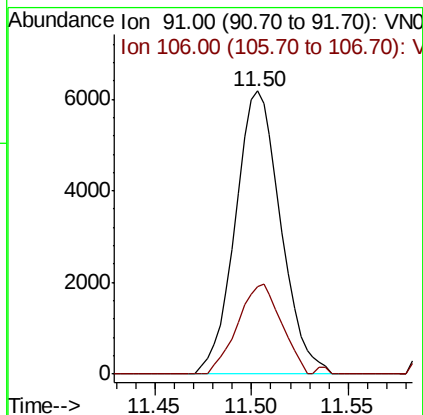
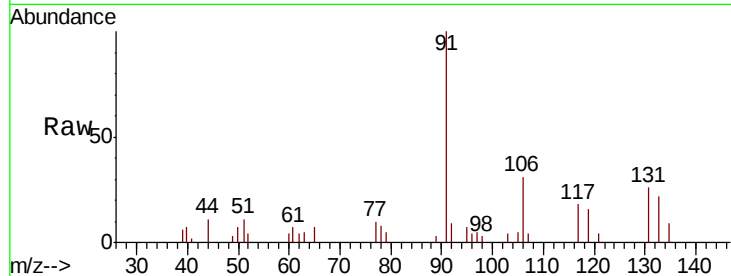




#67
Ethyl Benzene
Concen: 0.508 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. -0.00 min
Lab File: VN056929.D
Acq: 25 Jul 2019 19:18

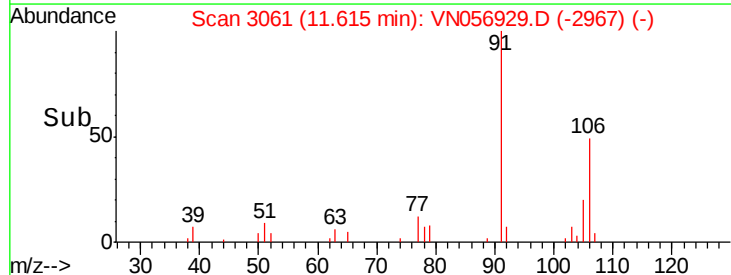
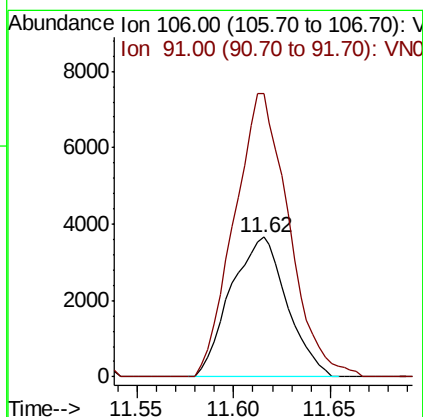
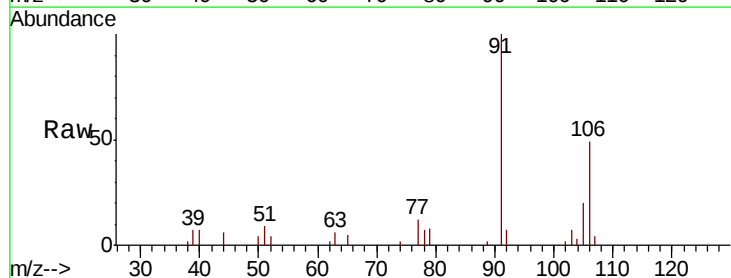
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2019

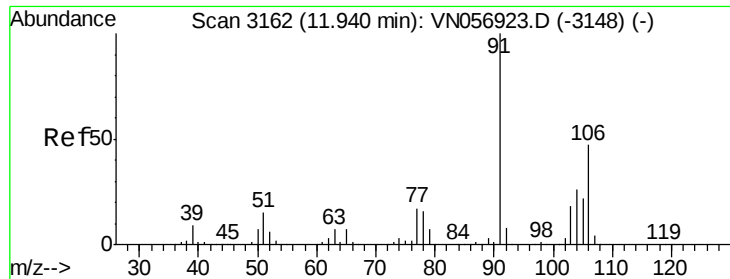
Tot Ion: 91 Resp: 10070
Ion Ratio Lower Upper
91 100
106 31.0 24.9 37.3



#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

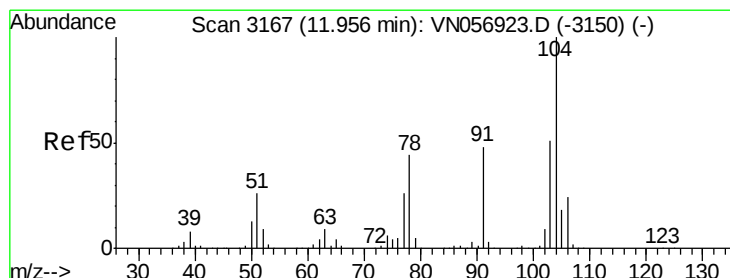
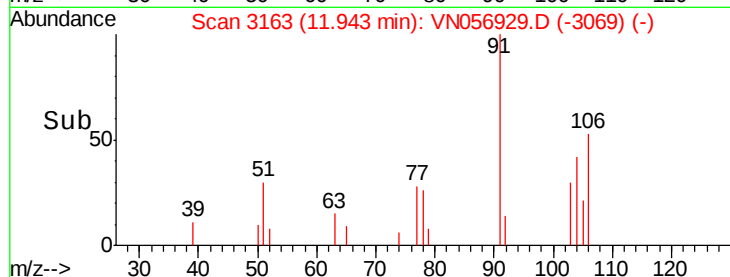
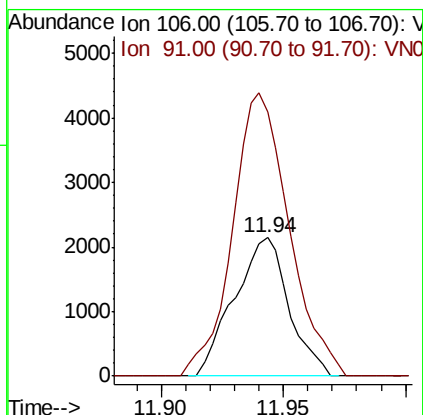
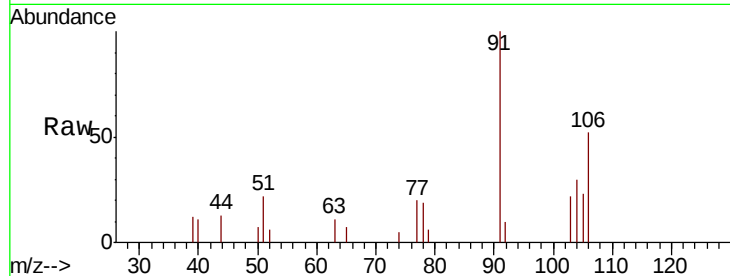




#69
o-Xylene
Concen: 0.459 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. 0.00 min
Lab File: VN056929.D
Acq: 25 Jul 2019 19:18

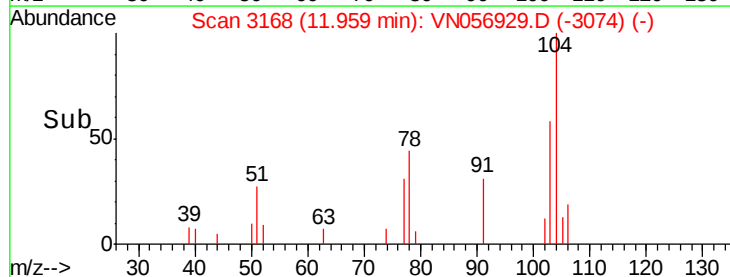
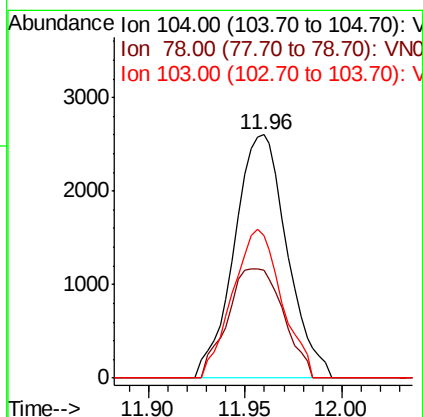
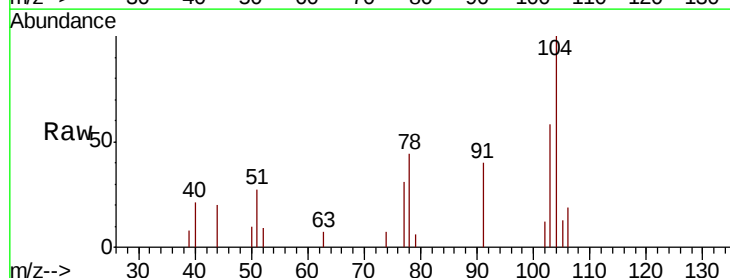
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2019

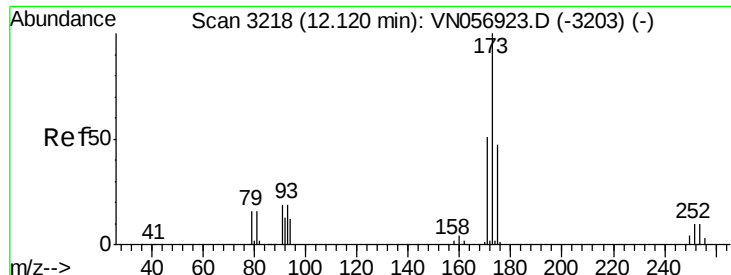
Tot Ion:106 Resp: 3325
Ion Ratio Lower Upper
106 100
91 211.5 105.7 317.0



#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

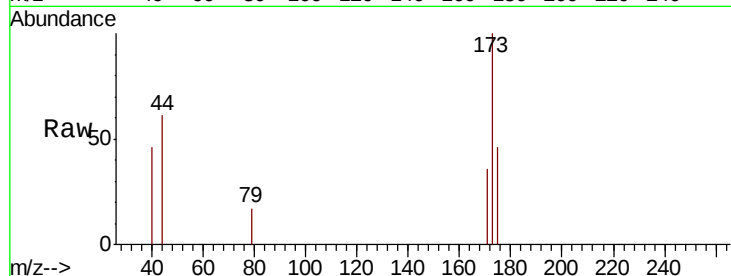
Tot Ion:173 Resp: 1327

Ion Ratio Lower Upper

173 100

175 41.4 24.2 72.6

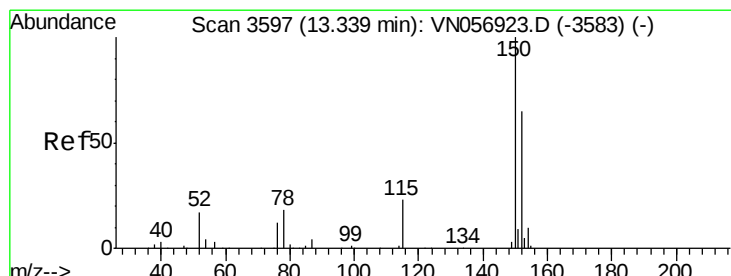
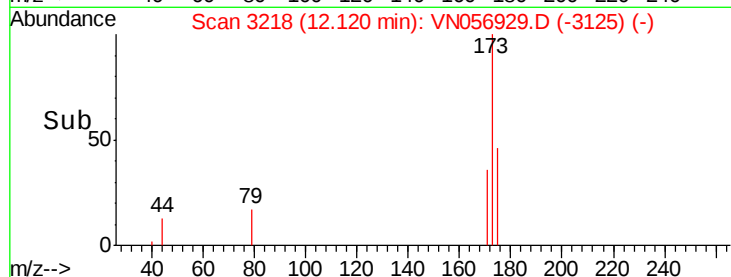
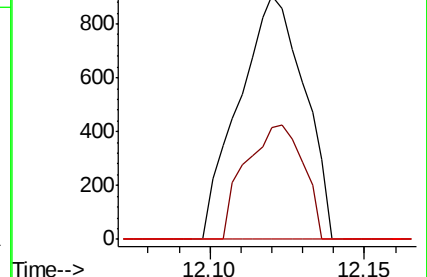
254 0.0 0.1 0.1#



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

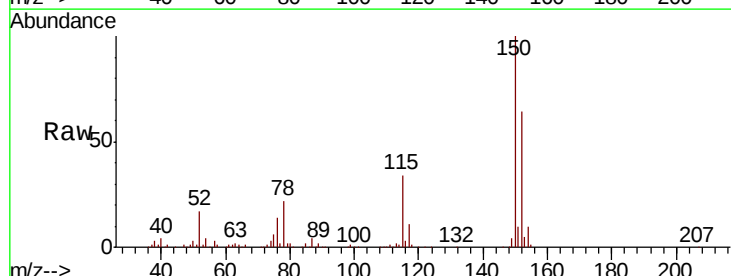
Tgt Ion:152 Resp: 147495

Ion Ratio Lower Upper

152 100

115 54.4 27.9 83.7

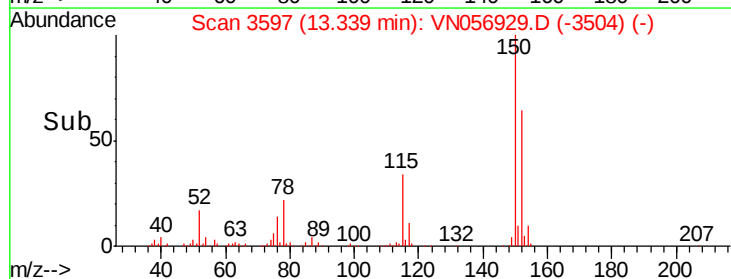
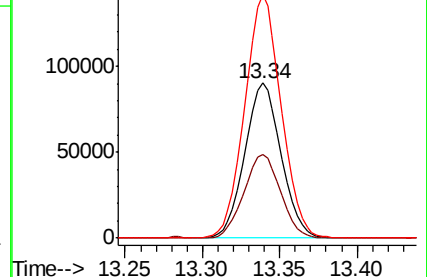
150 157.2 0.0 354.2

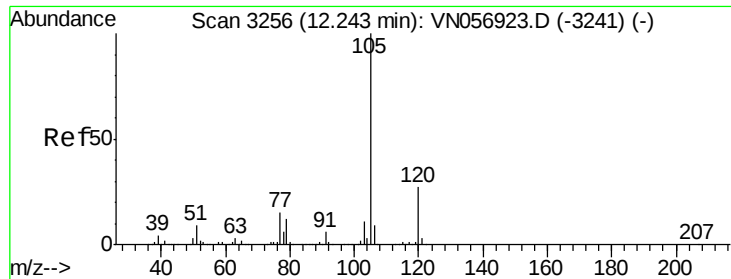


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: Below Cal

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 :

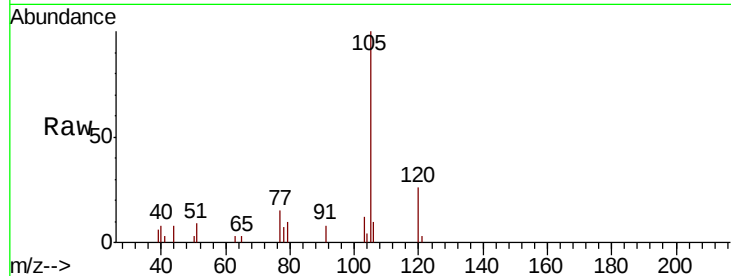
LOD-MDL-WATER-01-QT3-2019

Tot Ion: 105 Resp: 9191

Ion Ratio Lower Upper

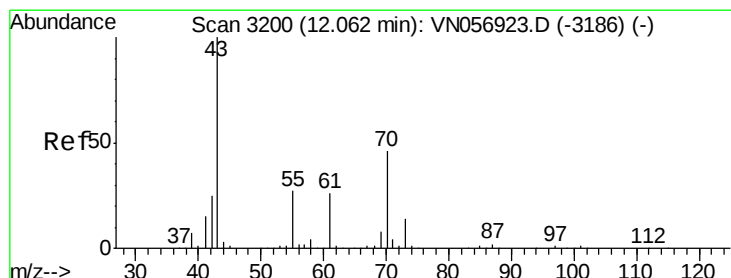
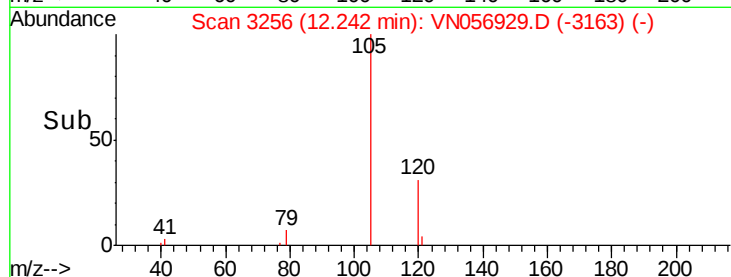
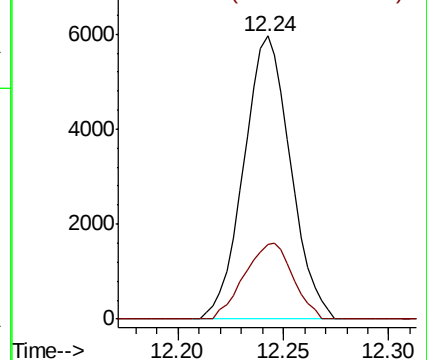
105 100

120 27.7 13.4 40.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#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

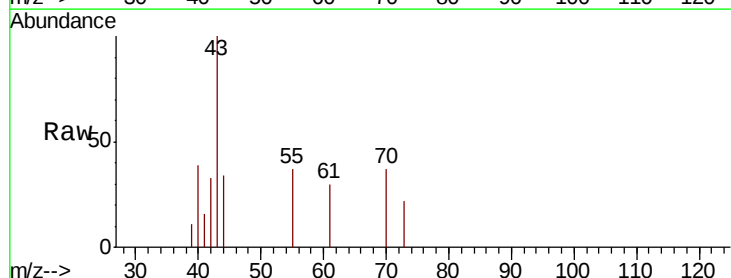
Ion Ratio Lower Upper

43 100

70 37.5 35.9 53.9

55 30.2 21.4 32.2

61 23.1 20.3 30.5

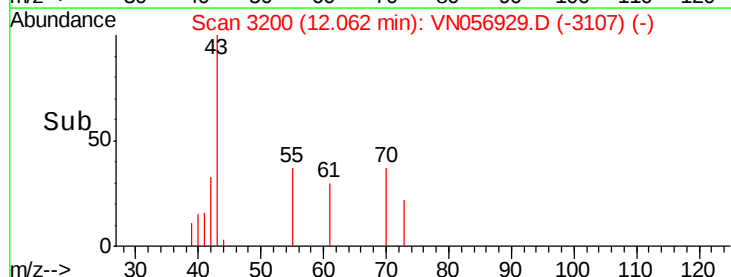
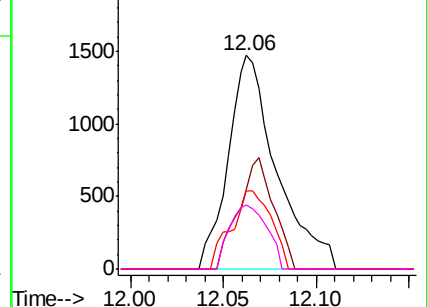


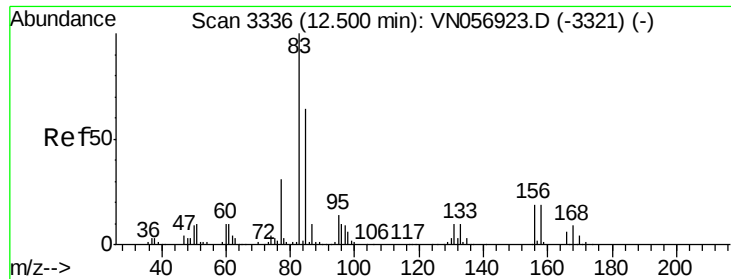
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

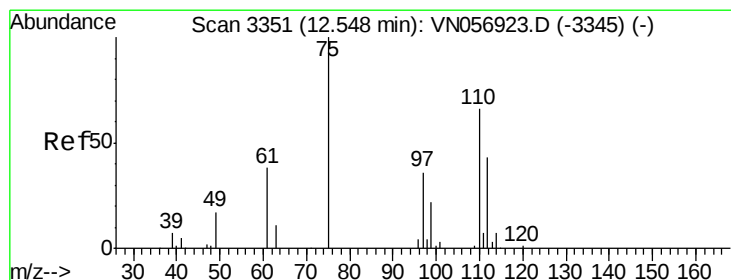
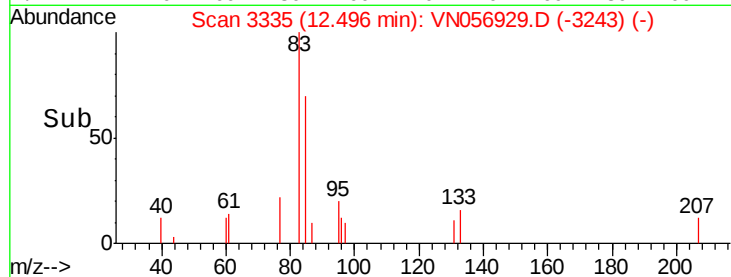
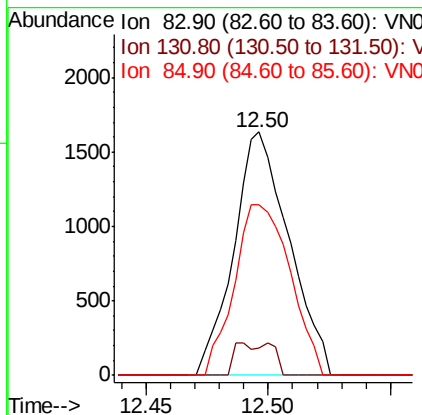
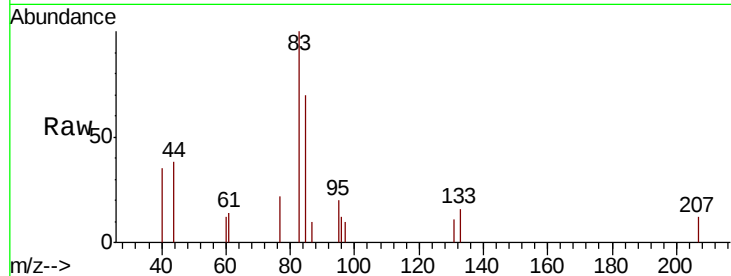




#75
 1,1,2,2-Tetrachloroethane
 Concen: 0.662 ug/l
 RT: 12.50 min Scan# 3335
 Delta R.T. -0.00 min
 Lab File: VN056929.D
 Acq: 25 Jul 2019 19:18

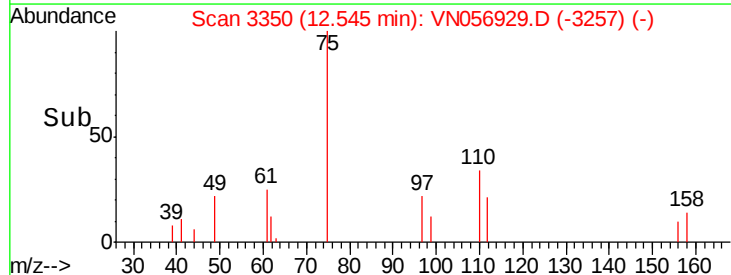
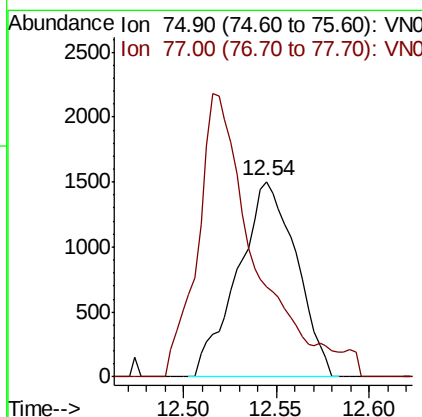
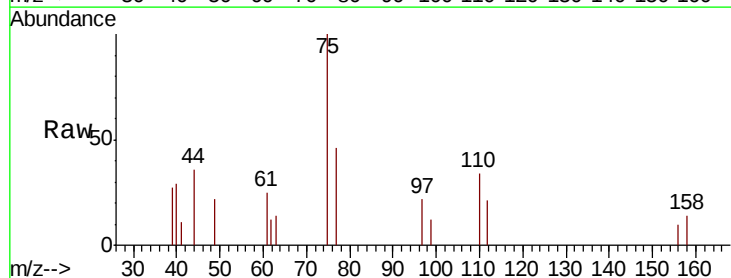
Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2019

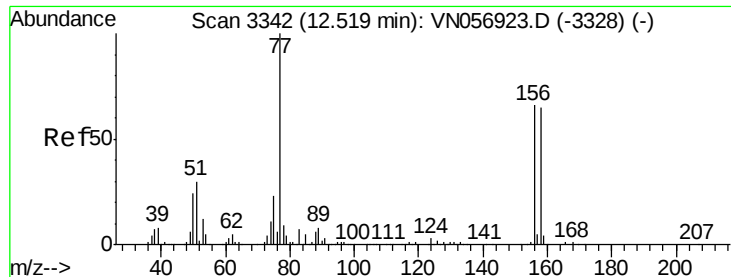
Tot Ion: 83 Resp: 2560
 Ion Ratio Lower Upper
 83 100
 131 4.6 5.3 15.8#
 85 71.0 32.3 96.9



#76
 1,2,3-Trichloropropane
 Concen: 1.115 ug/l
 RT: 12.54 min Scan# 3350
 Delta R.T. -0.00 min
 Lab File: VN056929.D
 Acq: 25 Jul 2019 19:18

Tgt Ion: 75 Resp: 3294
 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

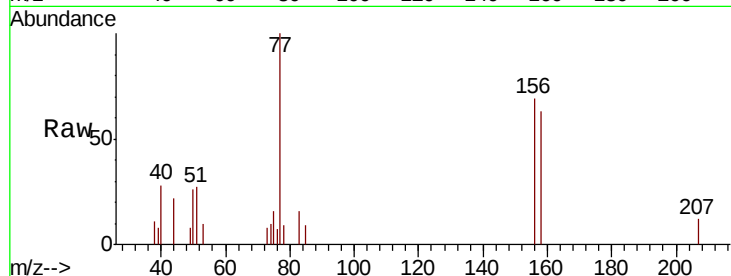
Tot Ion:156 Resp: 2380

Ion Ratio Lower Upper

156 100

77 194.7 90.8 272.3

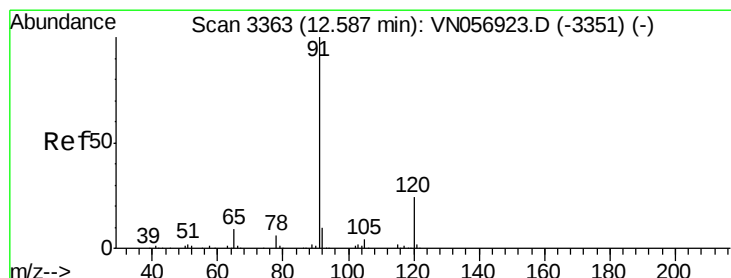
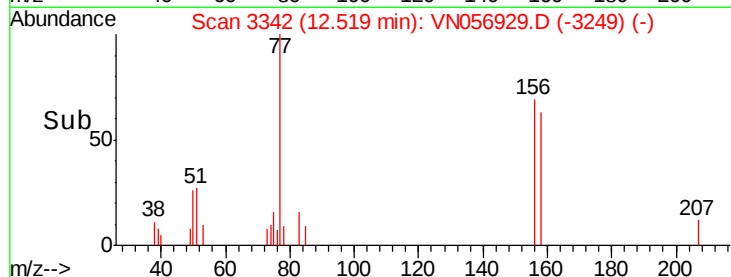
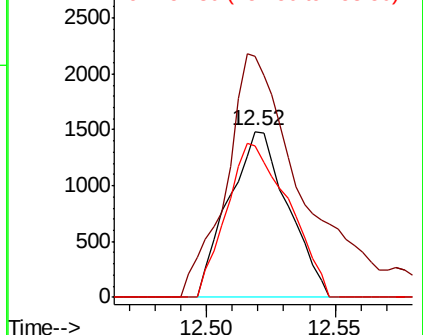
158 97.8 49.5 148.5



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 0.642 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN056929.D

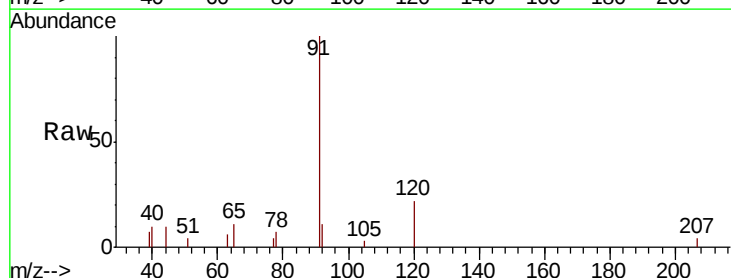
Acq: 25 Jul 2019 19:18

Tgt Ion: 91 Resp: 9101

Ion Ratio Lower Upper

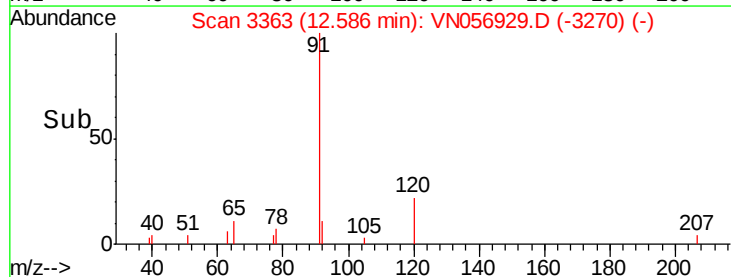
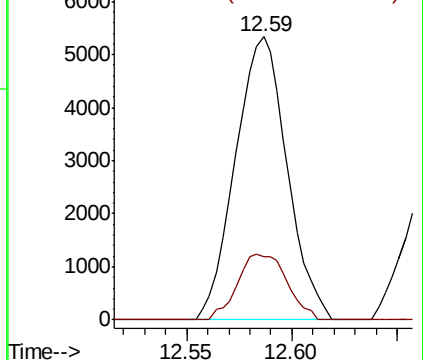
91 100

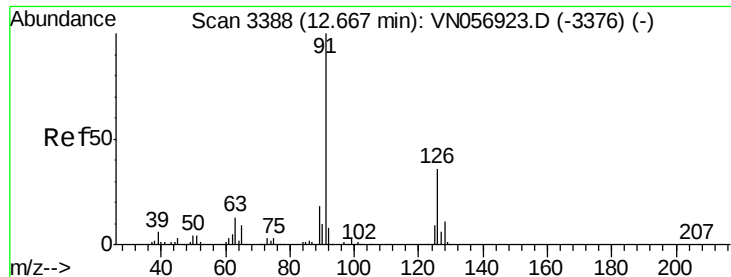
120 22.3 11.9 35.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#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 :

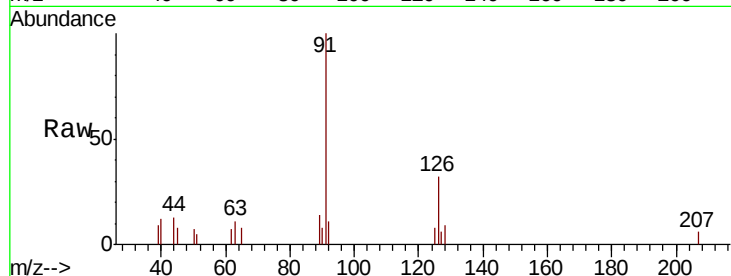
LOD-MDL-WATER-01-QT3-2019

Tot Ion: 91 Resp: 6163

Ion Ratio Lower Upper

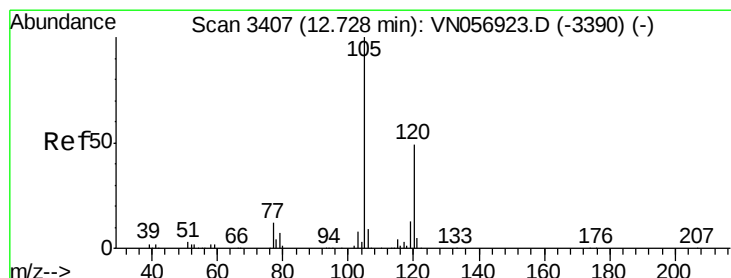
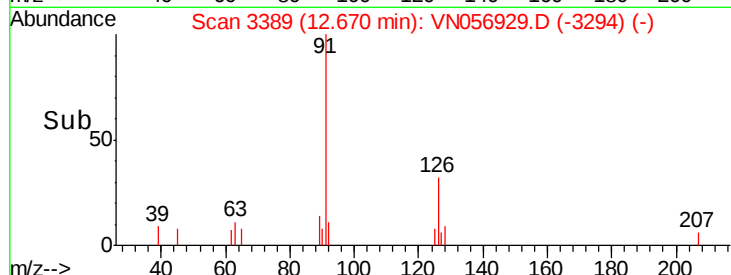
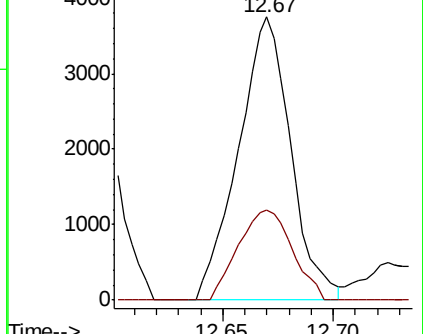
91 100

126 32.9 17.9 53.7



Abundance Ion 91.00 (90.70 to 91.70): VN056929.D (-3388) (-)

Ion 125.90 (125.60 to 126.60): VN056929.D (-3388) (-)



#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

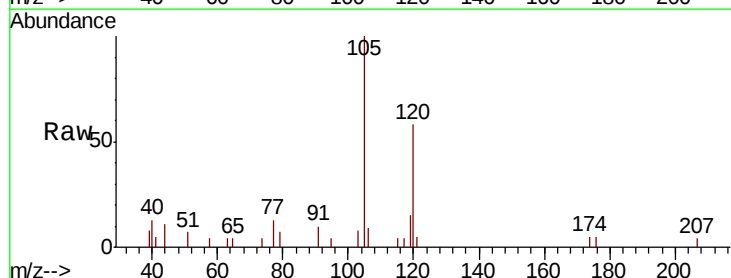
Acq: 25 Jul 2019 19:18

Tgt Ion: 105 Resp: 7587

Ion Ratio Lower Upper

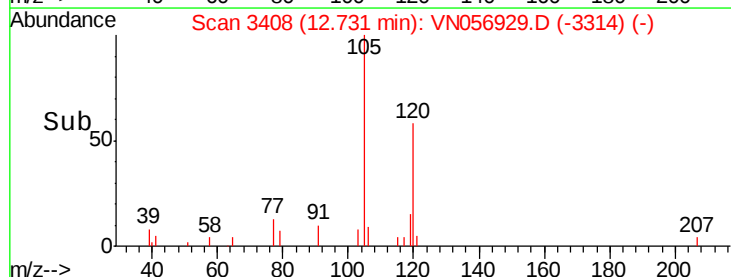
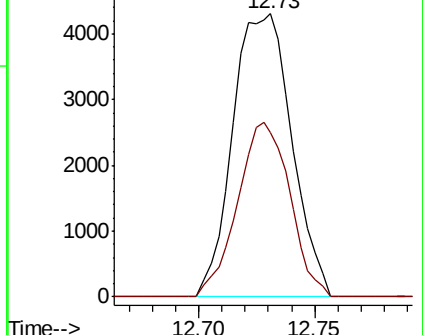
105 100

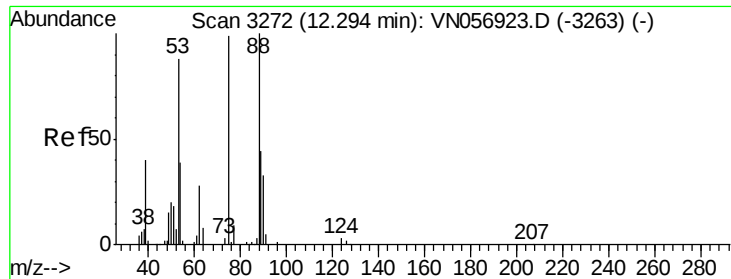
120 54.6 24.9 74.7



Abundance Ion 105.00 (104.70 to 105.70): VN056929.D (-3407) (-)

Ion 120.00 (119.70 to 120.70): VN056929.D (-3407) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 98.353 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN056929.D

Acq: 25 Jul 2019 19:18

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT3-2019

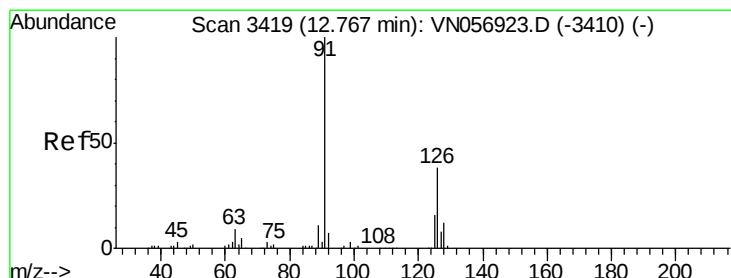
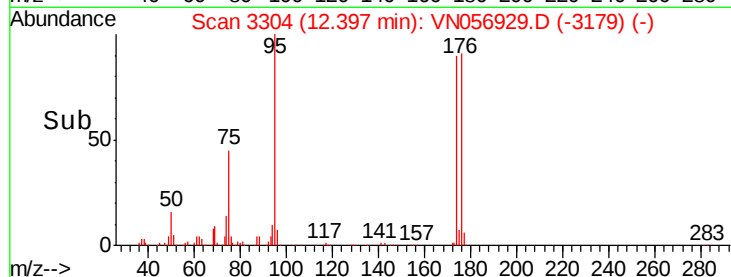
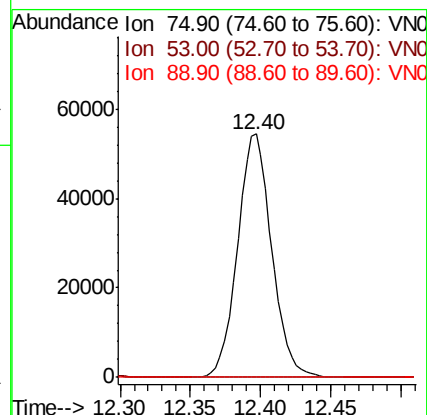
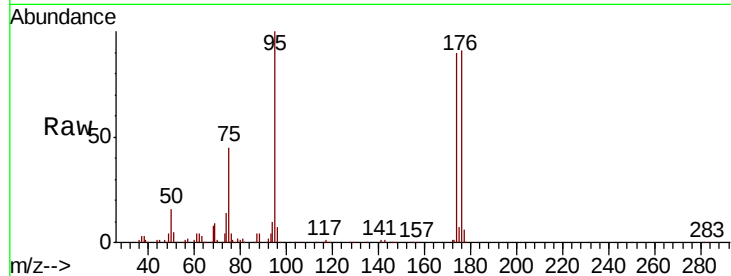
Tot Ion: 75 Resp: 92092

Ion Ratio Lower Upper

75 100

53 0.0 72.3 108.5#

89 0.0 36.2 54.2#



#82

4-Chlorotoluene

Concen: 0.630 ug/l

RT: 12.77 min Scan# 3419

Delta R.T. -0.00 min

Lab File: VN056929.D

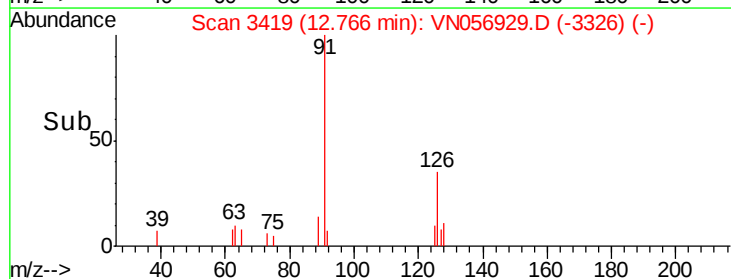
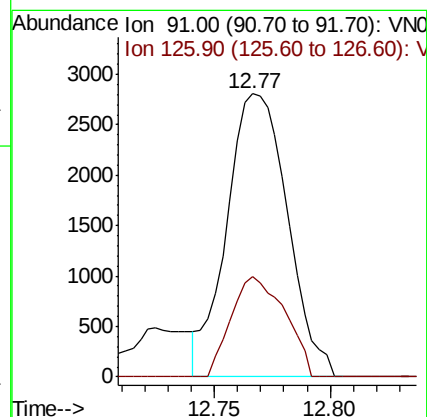
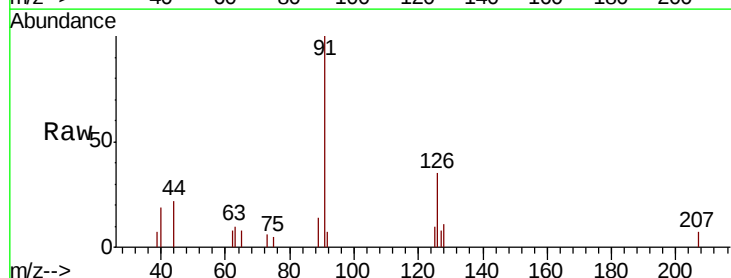
Acq: 25 Jul 2019 19:18

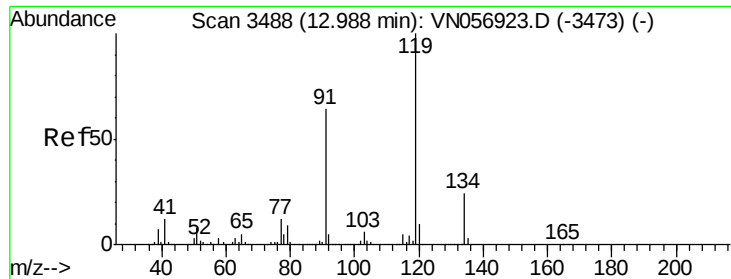
Tgt Ion: 91 Resp: 5110

Ion Ratio Lower Upper

91 100

126 31.4 17.3 51.7

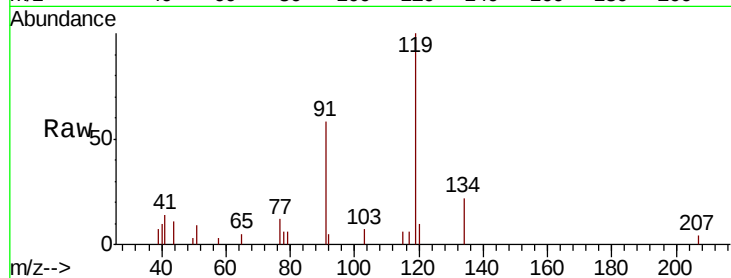




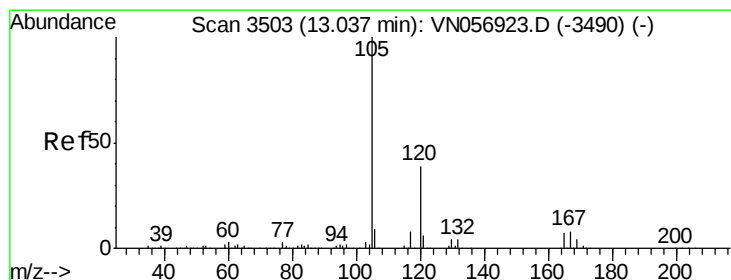
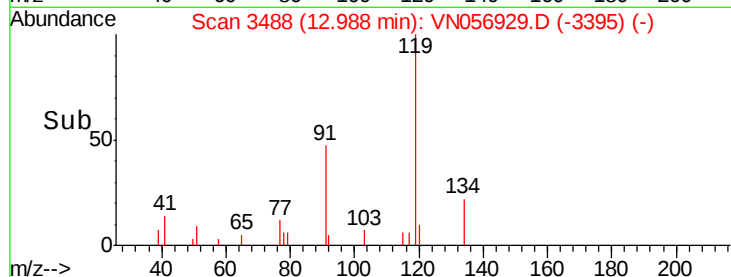
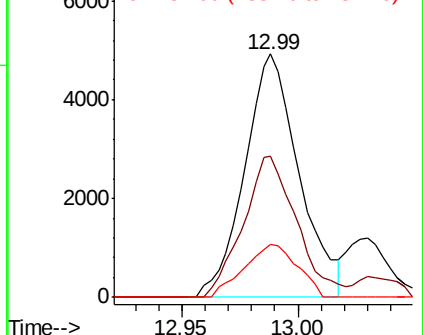
#83
tert-Butylbenzene
Concen: 0.821 ug/l
RT: 12.99 min Scan# 3488
Delta R.T. 0.00 min
Lab File: VN056929.D
Acq: 25 Jul 2019 19:18

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

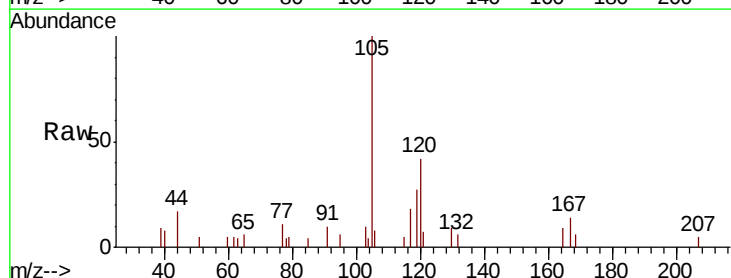


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

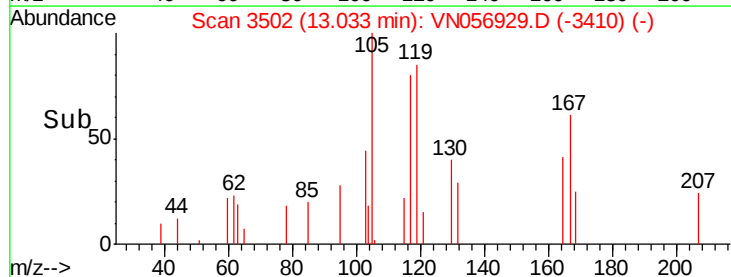
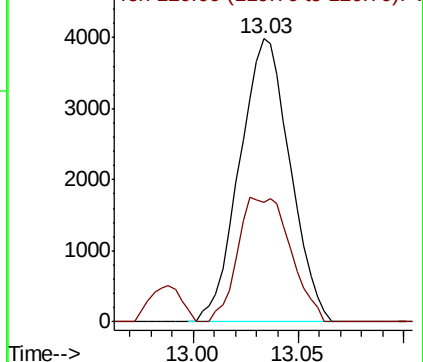


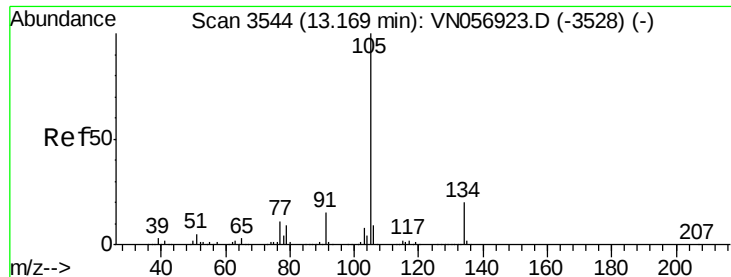
#84
1,2,4-Trimethylbenzene
Concen: 0.632 ug/l
RT: 13.03 min Scan# 3502
Delta R.T. -0.00 min
Lab File: VN056929.D
Acq: 25 Jul 2019 19:18

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 :

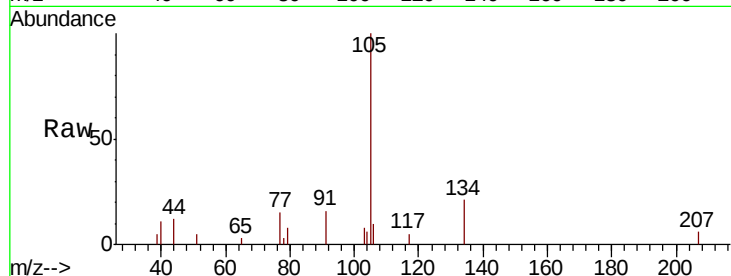
LOD-MDL-WATER-01-QT3-2019

Tot Ion:105 Resp: 7965

Ion Ratio Lower Upper

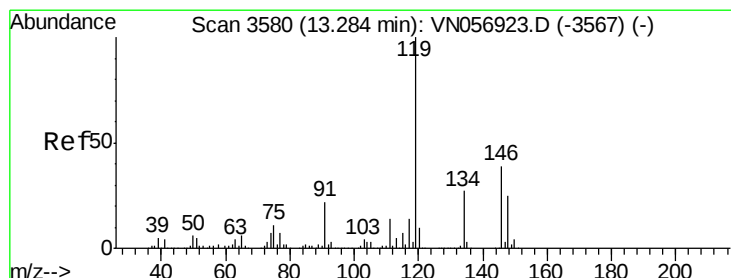
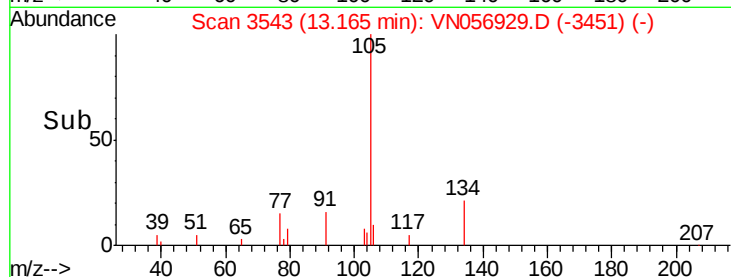
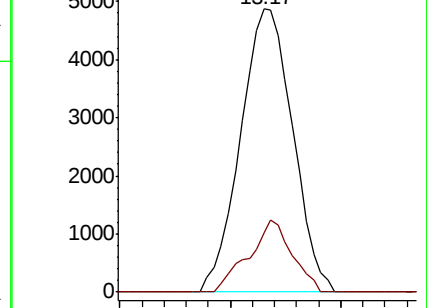
105 100

134 21.1 10.3 30.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#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

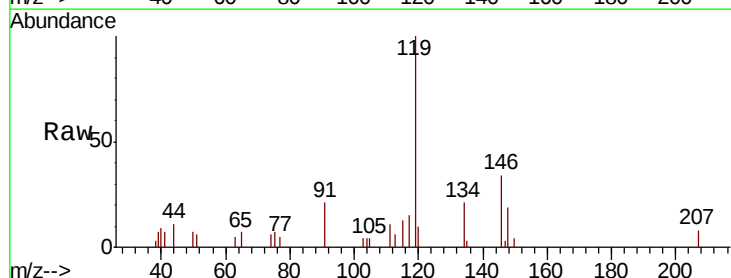
Tgt Ion:119 Resp: 7369

Ion Ratio Lower Upper

119 100

134 22.6 13.5 40.5

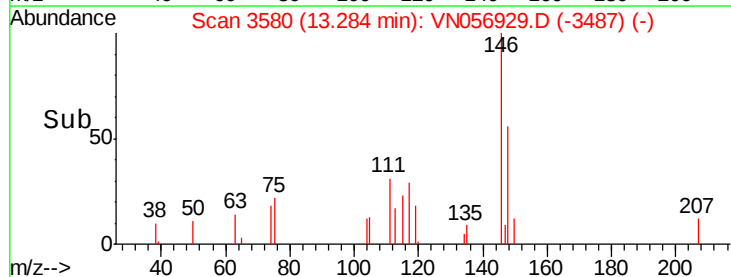
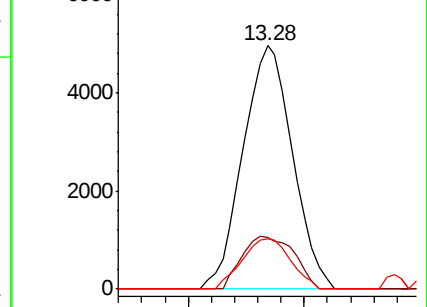
91 20.3 11.0 33.0

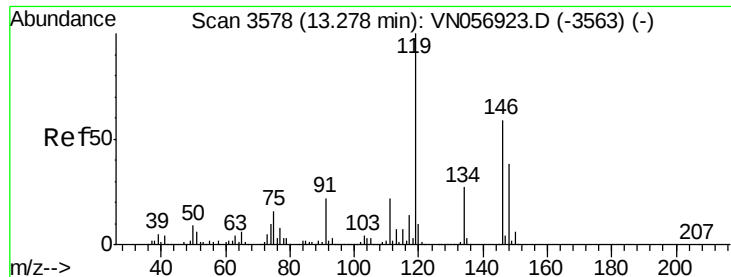


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

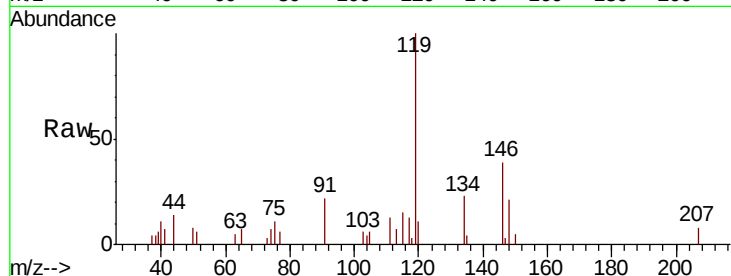




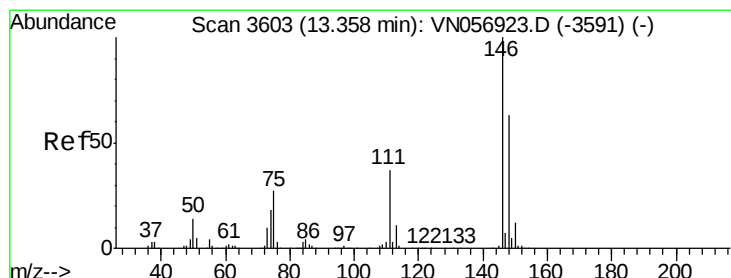
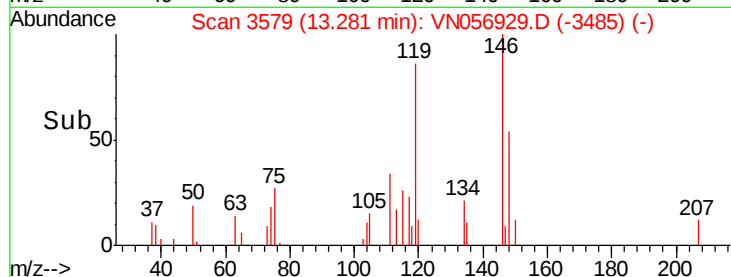
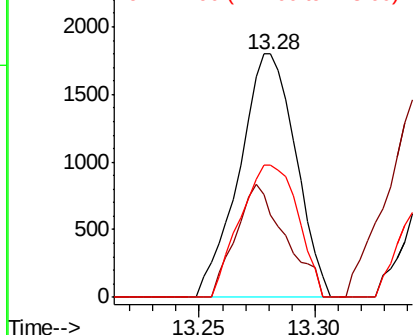
#87
 1,3-Dichlorobenzene
 Concen: 0.594 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN056929.D
 Acq: 25 Jul 2019 19:18

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

Tot Ion:146 Resp: 3049
 Ion Ratio Lower Upper
 146 100
 111 40.6 18.6 56.0
 148 55.5 31.6 94.7

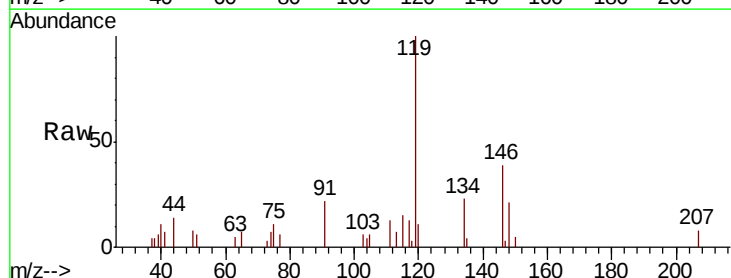


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

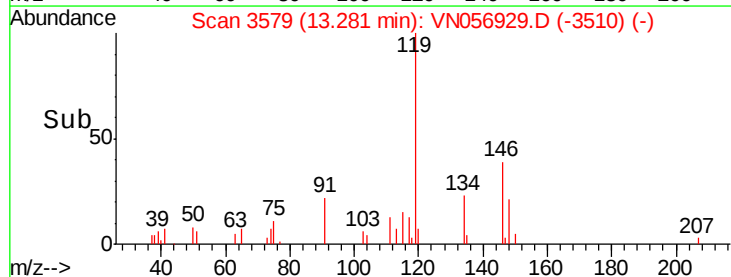
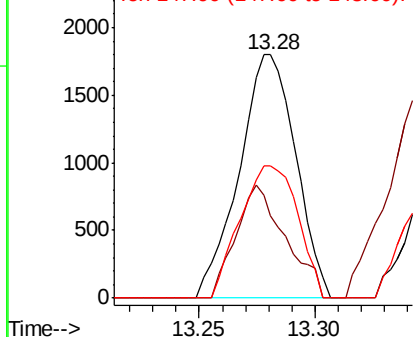


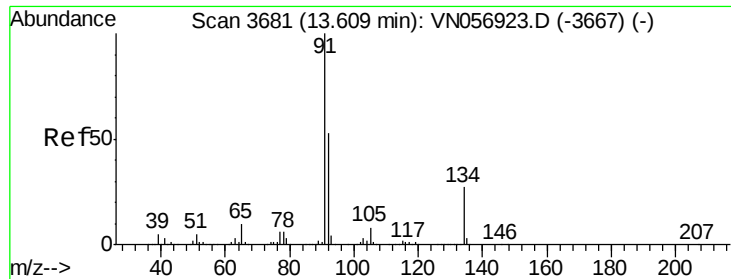
#88
 1,4-Dichlorobenzene
 Concen: 0.620 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.08 min
 Lab File: VN056929.D
 Acq: 25 Jul 2019 19:18

Tgt Ion:146 Resp: 3049
 Ion Ratio Lower Upper
 146 100
 111 40.6 18.9 56.5
 148 55.5 32.1 96.3



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

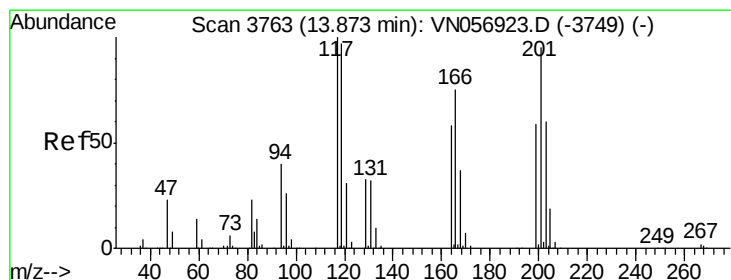
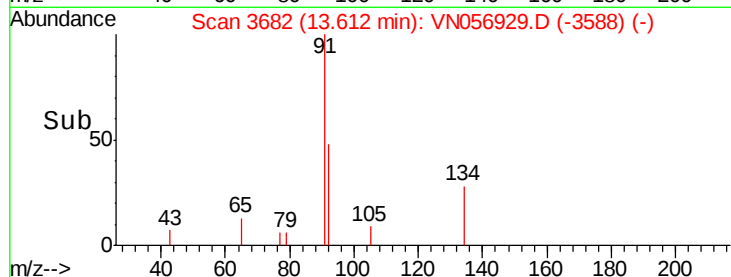
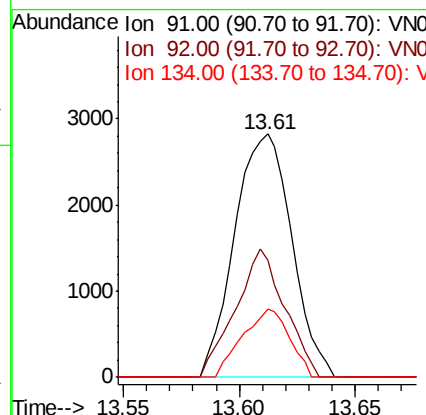
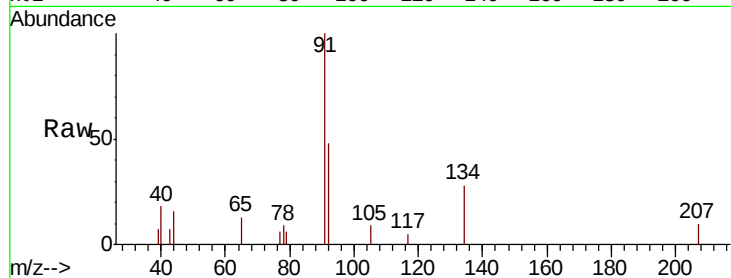




#89
n-Butylbenzene
Concen: 0.572 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN056929.D
Acq: 25 Jul 2019 19:18

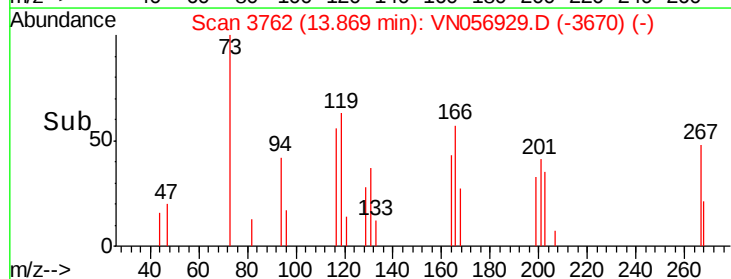
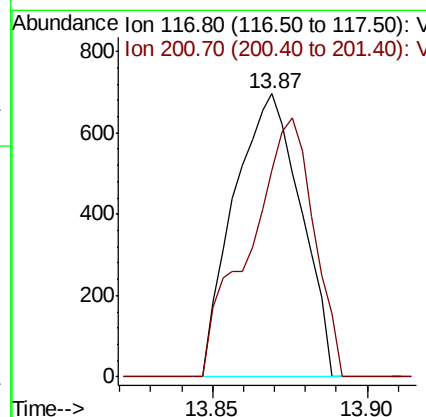
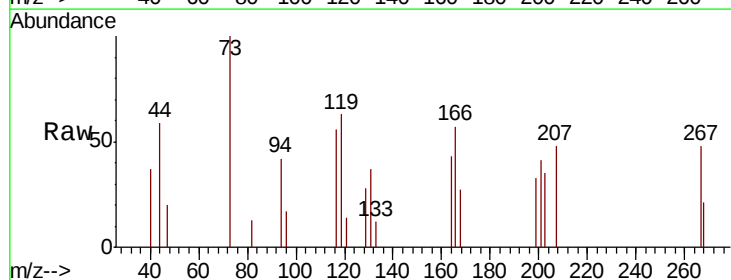
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2019

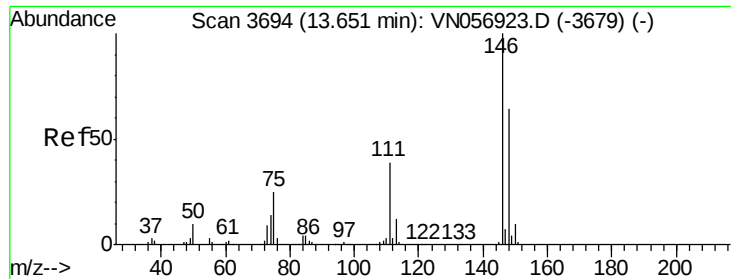
Tot Ion: 91 Resp: 4825
Ion Ratio Lower Upper
91 100
92 45.4 26.5 79.5
134 23.1 13.5 40.5



#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: 117 Resp: 1045
Ion Ratio Lower Upper
117 100
201 87.9 47.3 142.0

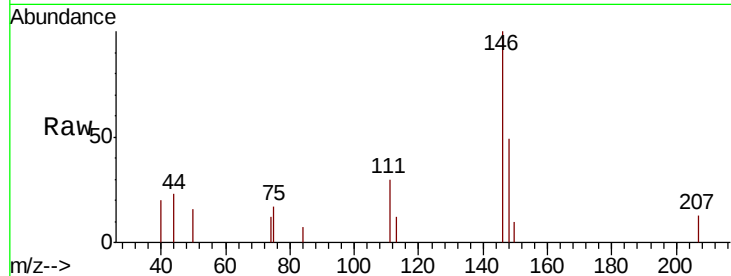




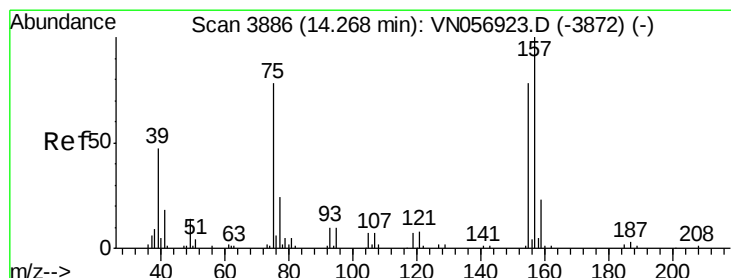
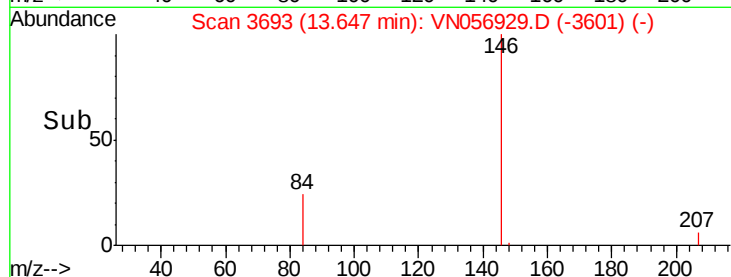
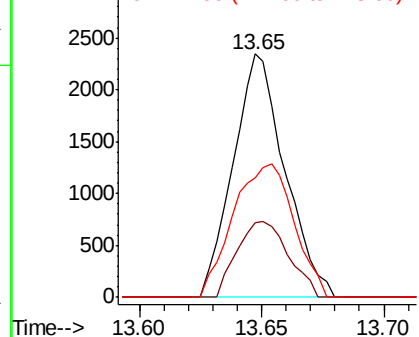
#91
 1,2-Dichlorobenzene
 Concen: 0.662 ug/l
 RT: 13.65 min Scan# 3693
 Delta R.T. -0.00 min
 Lab File: VN056929.D
 Acq: 25 Jul 2019 19:18

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

Tot Ion:146 Resp: 3442
 Ion Ratio Lower Upper
 146 100
 111 31.0 19.6 58.8
 148 64.6 32.2 96.6

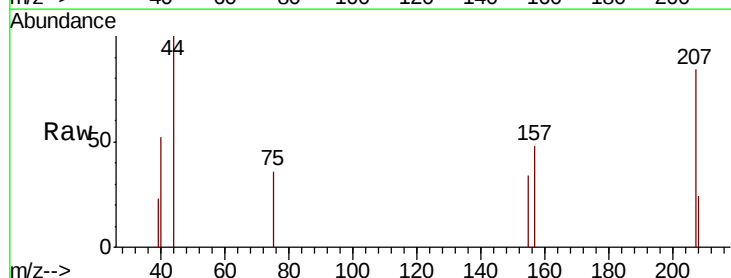


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

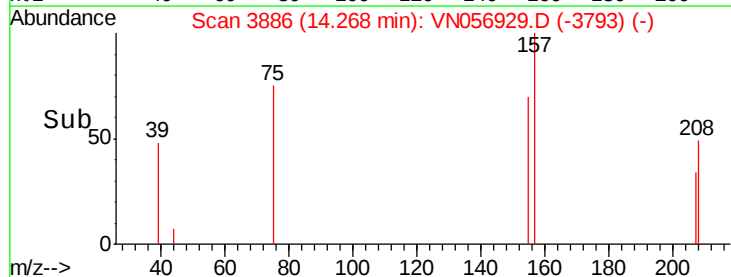
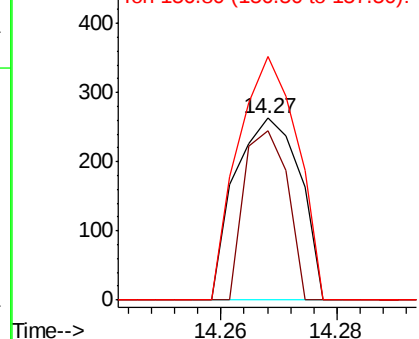


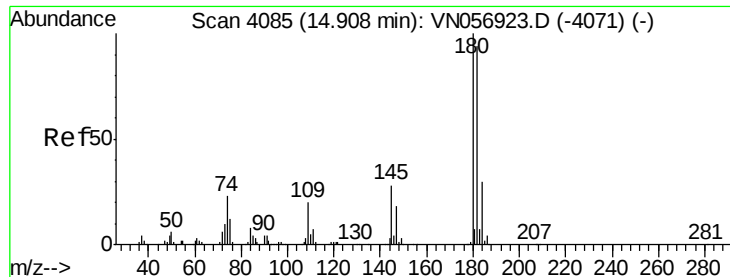
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.386 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN056929.D
 Acq: 25 Jul 2019 19:18

Tgt Ion: 75 Resp: 204
 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

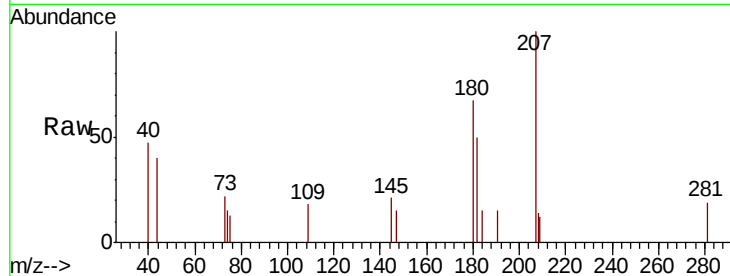




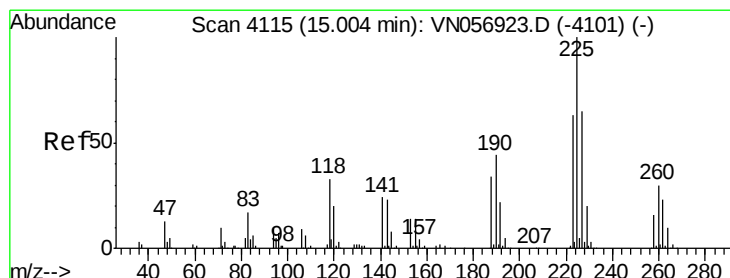
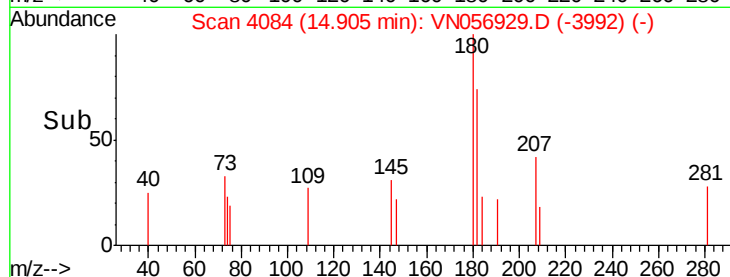
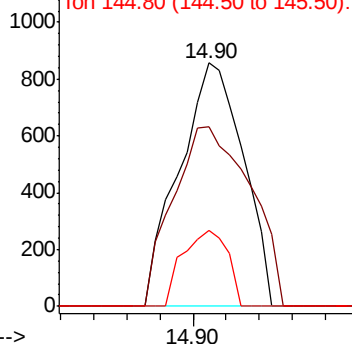
#93
 1,2,4-Trichlorobenzene
 Concen: 0.536 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. -0.00 min
 Lab File: VN056929.D
 Acq: 25 Jul 2019 19:18

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

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

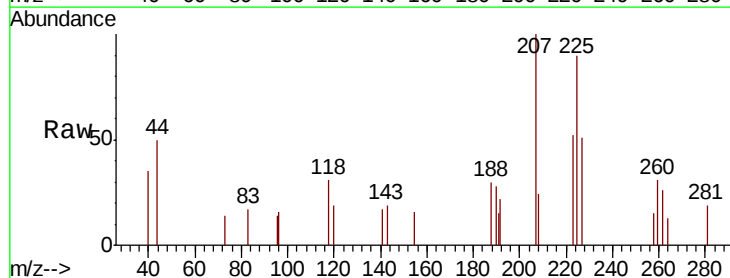


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

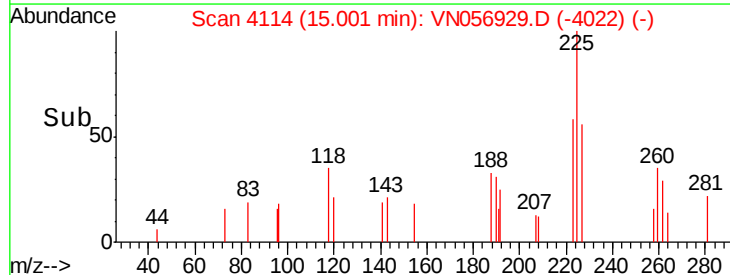
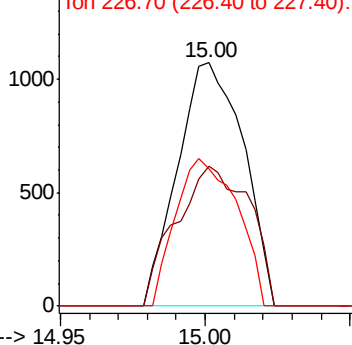


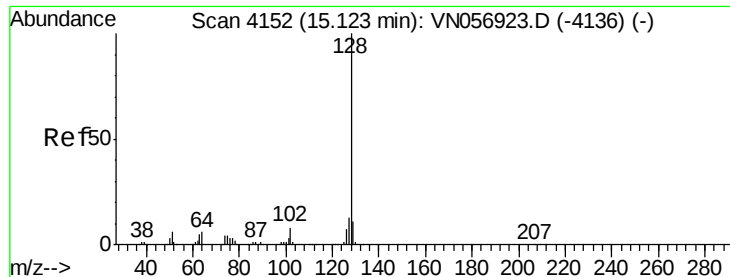
#94
 Hexachlorobutadiene
 Concen: 0.807 ug/l
 RT: 15.00 min Scan# 4114
 Delta R.T. -0.00 min
 Lab File: VN056929.D
 Acq: 25 Jul 2019 19:18

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



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#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

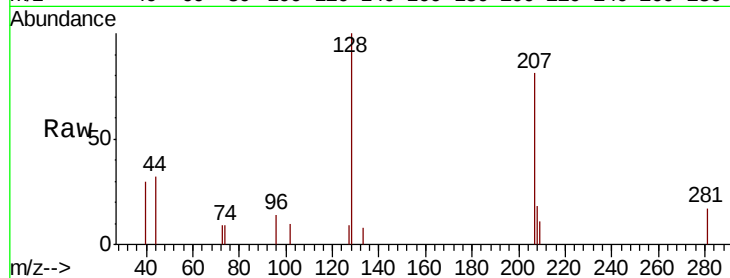
Tot Ion:128 Resp: 2800

Ion Ratio Lower Upper

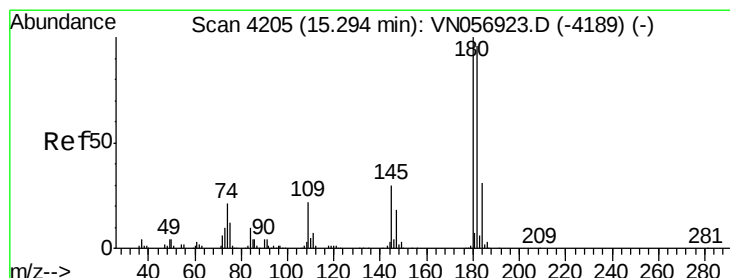
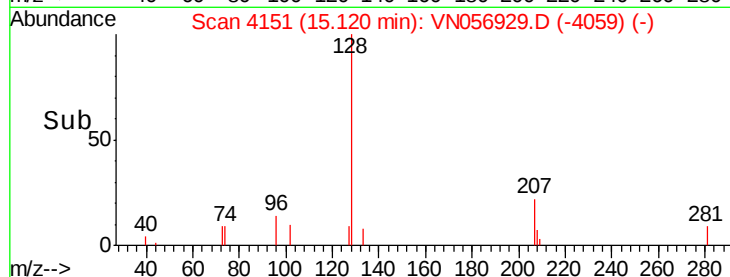
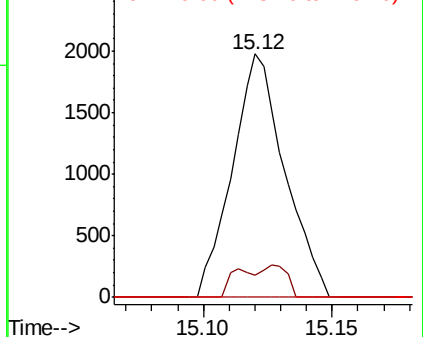
128 100

127 6.4 10.2 15.2#

129 0.0 8.6 13.0#



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

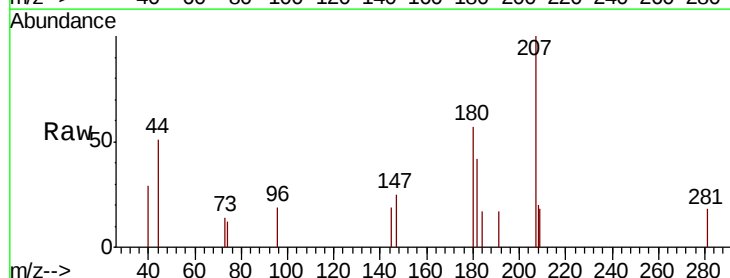
Tgt Ion:180 Resp: 1472

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

