

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072619\
 Data File : VN056932.D
 Acq On : 25 Jul 2019 20:28
 Operator : JC/SP
 Sample : K3591-08 1.0PPB LOQ
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT3-2019

Manual Integrations
 APPROVED

MMDadoda
 7/26/2019 3:37:45 PM

Quant Time: Jul 26 11:01:39 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	434635	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	668501	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	549061	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	157876	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	237423	52.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.58%	
35) Dibromofluoromethane	7.58	113	212024	49.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.42%	
50) Toluene-d8	10.08	98	763993	47.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.34%	
62) 4-Bromofluorobenzene	12.40	95	201963	38.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	76.38%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.84	85	3598	0.768	ug/l 94
3) Chloromethane	2.05	50	5863	1.047	ug/l 99
4) Vinyl Chloride	2.18	62	5111	0.969	ug/l 93
6) Chloroethane	2.69	64	3186	1.088	ug/l 99
7) Trichlorofluoromethane	3.00	101	6284	0.914	ug/l 92
8) Diethyl Ether	3.40	74	2845	1.105	ug/l 100
9) 1,1,2-Trichlorotrifluoroet	3.74	101	4452	1.054	ug/l 90
12) 1,1-Dichloroethene	3.72	96	3741	0.917	ug/l 96
14) Allyl chloride	4.30	41	6502	0.982	ug/l # 91
15) Acrylonitrile	4.97	53	8146	4.363	ug/l # 85
16) Acetone	3.80	43	7538	4.908	ug/l 100
17) Carbon Disulfide	4.03	76	10376	0.945	ug/l 97
18) Methyl Acetate	4.31	43	7026	1.307	ug/l 93
19) Methyl tert-butyl Ether	5.02	73	11844m	0.988	ug/l
20) Methylene Chloride	4.53	84	5762	1.185	ug/l 91
21) trans-1,2-Dichloroethene	5.02	96	4152	0.951	ug/l # 82
22) Diisopropyl ether	5.93	45	13186	0.978	ug/l # 90
23) Vinyl Acetate	5.88	43	40028	4.312	ug/l 99
24) 1,1-Dichloroethane	5.83	63	7317	0.924	ug/l # 87
25) 2-Butanone	6.83	43	10817	4.575	ug/l 97
26) 2,2-Dichloropropane	6.81	77	5072	0.873	ug/l 90
27) cis-1,2-Dichloroethene	6.81	96	4954	0.995	ug/l 96
28) Bromochloromethane	7.18	49	3837	1.050	ug/l # 83
29) Tetrahydrofuran	7.20	42	7427	4.794	ug/l 98
30) Chloroform	7.36	83	8690	1.066	ug/l 97
32) 1,1,1-Trichloroethane	7.56	97	6275	0.961	ug/l # 50
36) 1,1-Dichloropropene	7.78	75	5815	0.951	ug/l 98
37) Ethyl Acetate	6.92	43	5141m	1.038	ug/l
38) Carbon Tetrachloride	7.76	117	5136	0.883	ug/l 86
39) Methylcyclohexane	9.07	83	6915	0.928	ug/l 97
40) Benzene	8.03	78	19249	1.010	ug/l 100
41) Methacrylonitrile	7.18	41	2722m	1.250	ug/l
42) 1,2-Dichloroethane	8.11	62	5933	1.008	ug/l 92
43) Isopropyl Acetate	8.15	43	7863	0.965	ug/l # 81

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Trichloroethene	8.82	130	4518	0.869	ug/l	98
45) 1,2-Dichloropropane	9.11	63	4951	0.967	ug/l	100
46) Dibromomethane	9.20	93	3142	1.018	ug/l	94
47) Bromodichloromethane	9.39	83	5438	0.902	ug/l	89
48) Methyl methacrylate	9.19	41	3740	0.956	ug/l	95
49) 1,4-Dioxane	9.19	88	1386	16.923	ug/l #	78
51) 4-Methyl-2-Pentanone	9.98	43	22939	4.735	ug/l	97
52) Toluene	10.15	92	11436	1.000	ug/l	95
53) t-1,3-Dichloropropene	10.37	75	4838	0.796	ug/l #	85
54) cis-1,3-Dichloropropene	9.83	75	5871	0.820	ug/l	92
55) 1,1,2-Trichloroethane	10.55	97	4132	0.902	ug/l	95
56) Ethyl methacrylate	10.43	69	5302	0.861	ug/l	98
57) 1,3-Dichloropropane	10.70	76	6941	0.926	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.69	63	9140	3.765	ug/l	99
59) 2-Hexanone	10.75	43	14356	4.323	ug/l	98
60) Dibromochloromethane	10.90	129	3703	0.796	ug/l	97
61) 1,2-Dibromoethane	11.00	107	4051	0.891	ug/l	97
64) Tetrachloroethene	10.63	164	4883	0.974	ug/l #	89
65) Chlorobenzene	11.43	112	11070	0.964	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	3925	0.919	ug/l #	63
67) Ethyl Benzene	11.50	91	19033	0.962	ug/l	92
68) m/p-Xylenes	11.61	106	13427	1.821	ug/l	98
69) o-Xylene	11.94	106	6547	0.907	ug/l	91
70) Styrene	11.96	104	8819	0.771	ug/l	95
71) Bromoform	12.12	173	2466	0.831	ug/l #	85
73) Isopropylbenzene	12.24	105	16410	1.142	ug/l	99
74) N-amyl acetate	12.07	43	5153	1.222	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	12.50	83	5258	1.270	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	3906m	1.236	ug/l	
77) Bromobenzene	12.52	156	4219	1.149	ug/l	98
78) n-propylbenzene	12.59	91	17387	1.146	ug/l	98
79) 2-Chlorotoluene	12.67	91	11157	1.181	ug/l	96
80) 1,3,5-Trimethylbenzene	12.73	105	13210	1.113	ug/l	96
82) 4-Chlorotoluene	12.77	91	9072	1.045	ug/l	93
83) tert-Butylbenzene	12.99	119	13362	1.278	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	12041	1.072	ug/l	97
85) sec-Butylbenzene	13.17	105	14174	1.072	ug/l	98
86) p-Isopropyltoluene	13.28	119	11935	1.022	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	5526	1.006	ug/l	95
88) 1,4-Dichlorobenzene	13.36	146	5338m	1.015	ug/l	
89) n-Butylbenzene	13.61	91	8127	0.901	ug/l	100
90) Hexachloroethane	13.87	117	2052	0.992	ug/l	93
91) 1,2-Dichlorobenzene	13.65	146	5800	1.042	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	490	0.867	ug/l	89
93) 1,2,4-Trichlorobenzene	14.90	180	1964	0.854	ug/l	99
94) Hexachlorobutadiene	15.01	225	2757	1.227	ug/l	93
95) Naphthalene	15.12	128	4795	0.825	ug/l	97
96) 1,2,3-Trichlorobenzene	15.29	180	2090	0.837	ug/l	68

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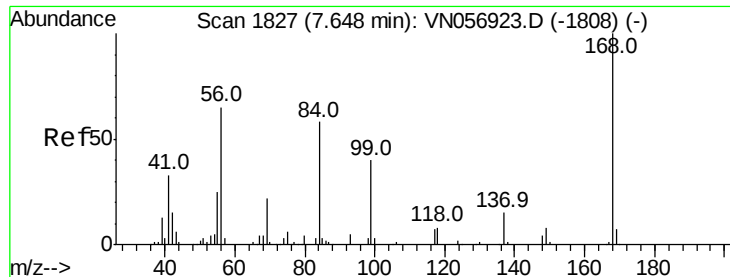
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN056932.D

Acq: 25 Jul 2019 20:28

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT3-2019

Tot Ion:168 Resp: 434635

Ion Ratio Lower Upper

168 100

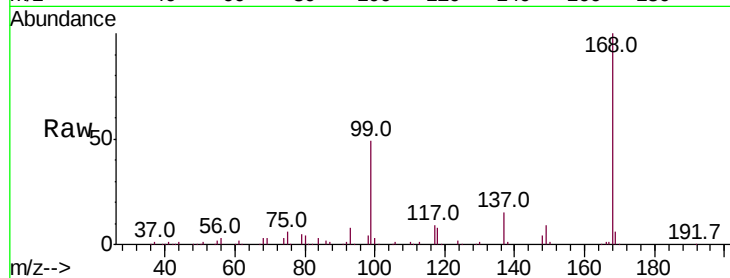
99 49.4 38.6 58.0

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

200000

150000

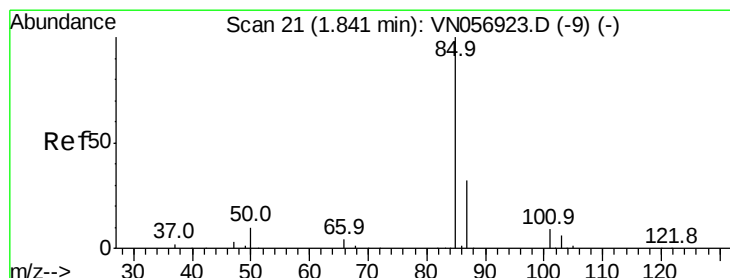
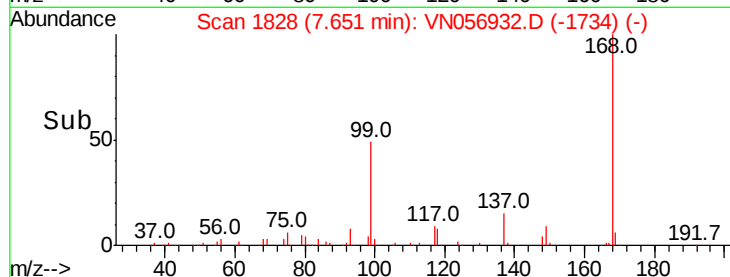
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 0.768 ug/l

RT: 1.84 min Scan# 20

Delta R.T. -0.00 min

Lab File: VN056932.D

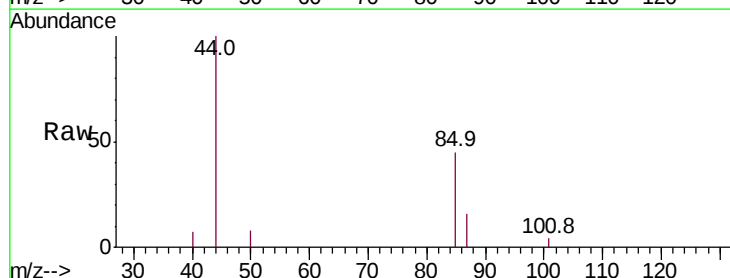
Acq: 25 Jul 2019 20:28

Tgt Ion: 85 Resp: 3598

Ion Ratio Lower Upper

85 100

87 35.8 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.84

3000

2500

2000

1500

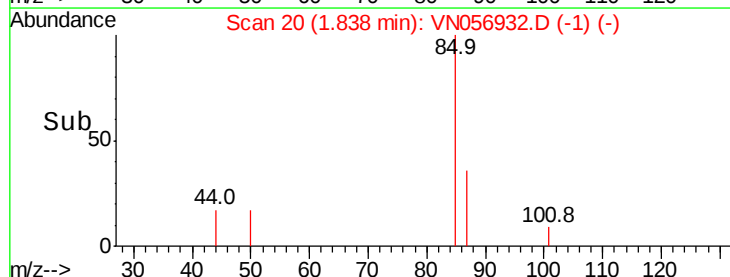
1000

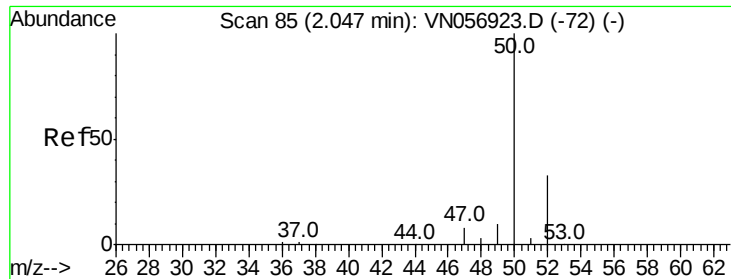
500

0

1.80 1.85

Time-->





#3

Chloromethane

Concen: 1.047 ug/l

RT: 2.05 min Scan# 85

Delta R.T. -0.00 min

Lab File: VN056932.D

Acq: 25 Jul 2019 20:28

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT3-2019

Tot Ion: 50 Resp: 5863

Ion Ratio Lower Upper

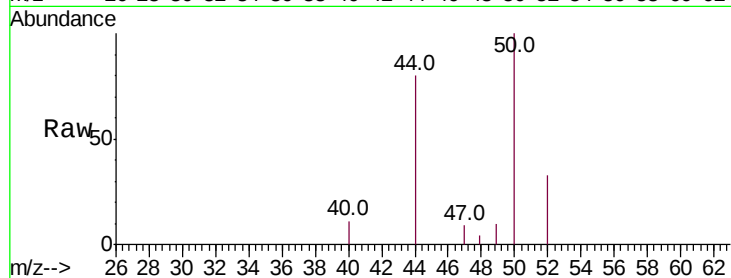
50 100

52 32.9 26.8 40.2

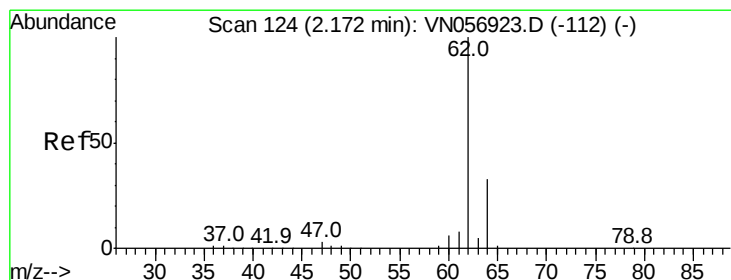
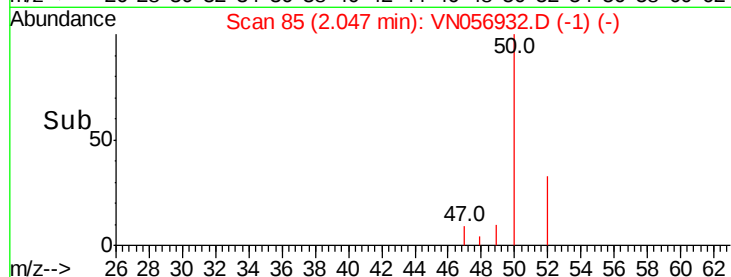
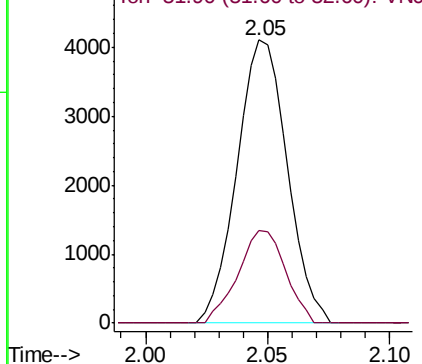
Manual Integrations
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Abundance Ion 49.90 (49.60 to 50.60): VNO
Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 0.969 ug/l

RT: 2.18 min Scan# 125

Delta R.T. 0.00 min

Lab File: VN056932.D

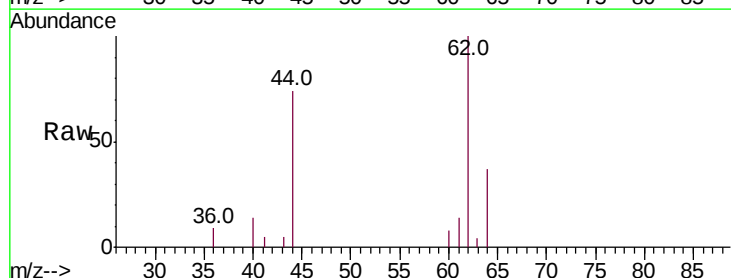
Acq: 25 Jul 2019 20:28

Tgt Ion: 62 Resp: 5111

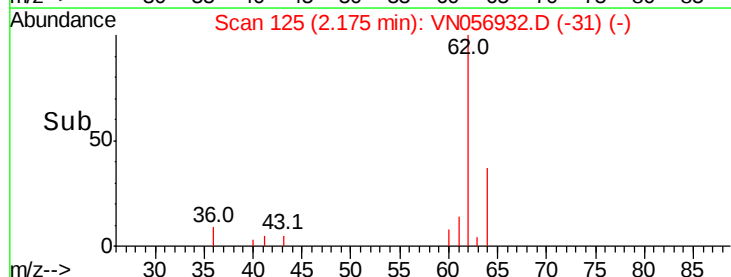
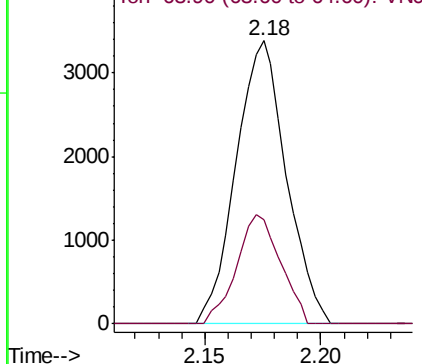
Ion Ratio Lower Upper

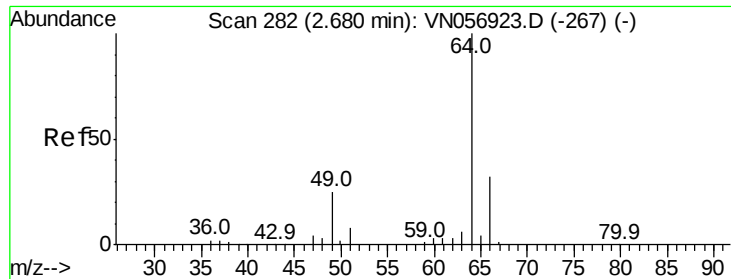
62 100

64 36.9 26.4 39.6



Abundance Ion 61.90 (61.60 to 62.60): VNO
Ion 63.90 (63.60 to 64.60): VNO





#6

Chloroethane

Concen: 1.088 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.01 min

Lab File: VN056932.D

Acq: 25 Jul 2019 20:28

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT3-2019

Tot Ion: 64 Resp: 3186

Ion Ratio Lower Upper

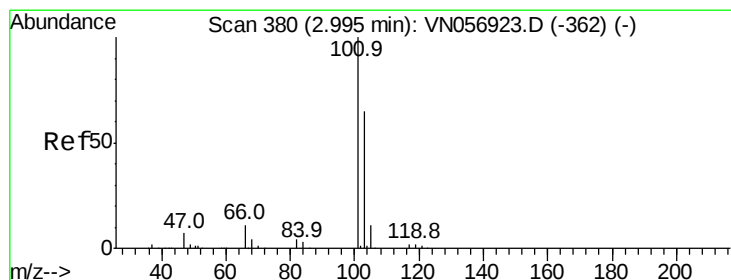
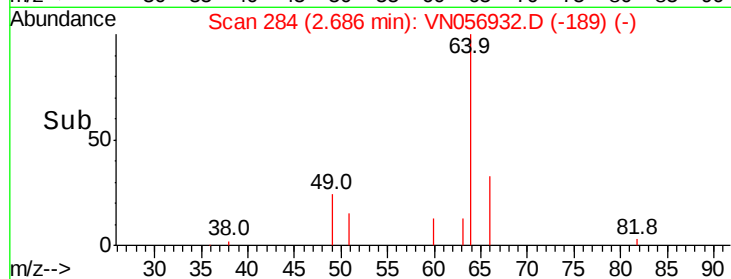
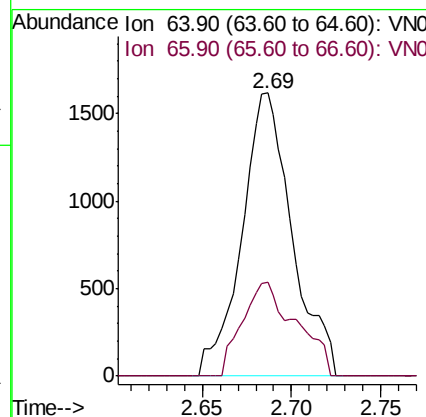
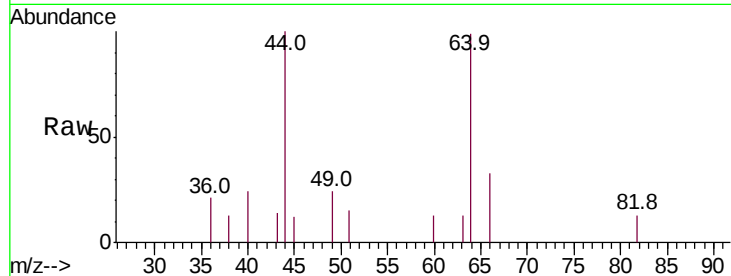
64 100

66 33.0 25.8 38.6

Manual Integrations
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#7

Trichlorofluoromethane

Concen: 0.914 ug/l

RT: 3.00 min Scan# 383

Delta R.T. 0.01 min

Lab File: VN056932.D

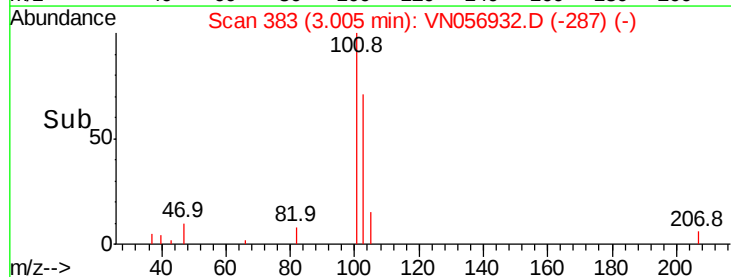
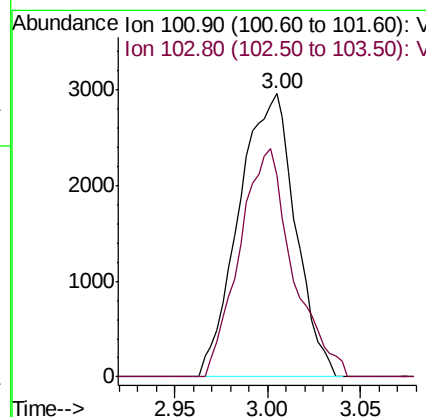
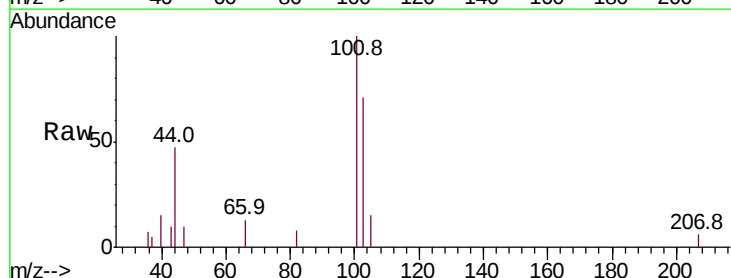
Acq: 25 Jul 2019 20:28

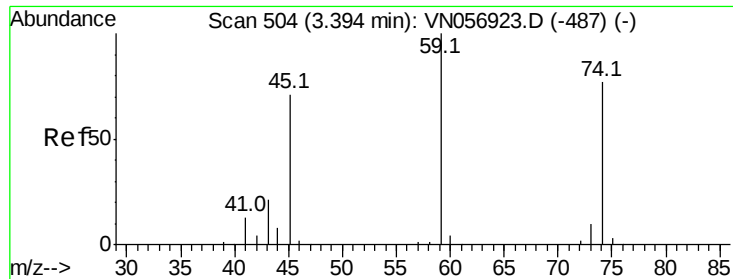
Tgt Ion: 101 Resp: 6284

Ion Ratio Lower Upper

101 100

103 71.2 52.0 78.0





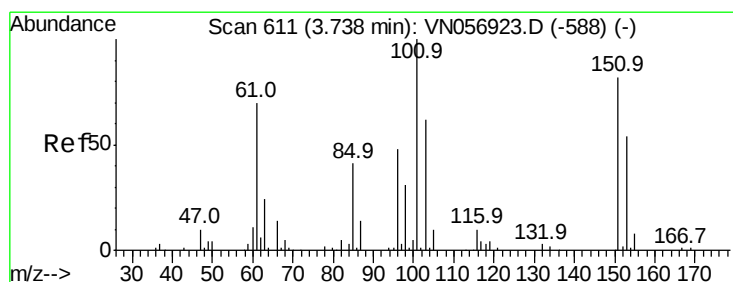
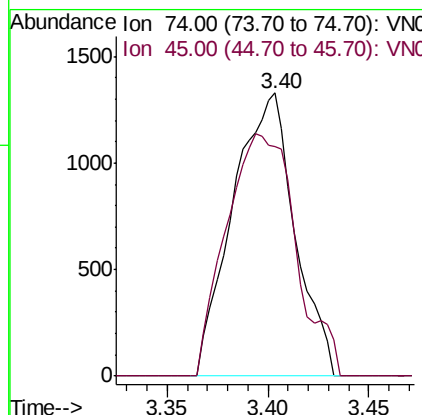
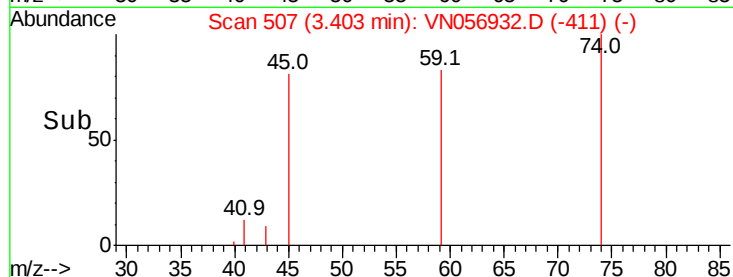
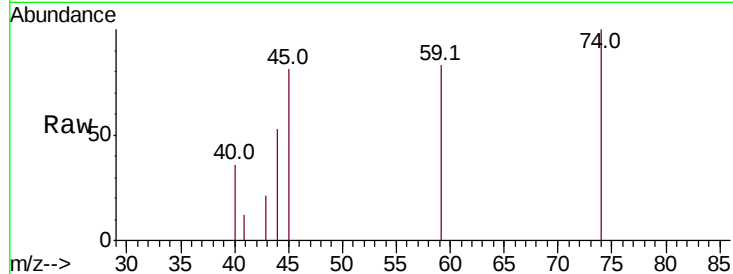
#8
Diethyl Ether
Concen: 1.105 ug/l
RT: 3.40 min Scan# 507
Delta R.T. 0.01 min
Lab File: VN056932.D
Acq: 25 Jul 2019 20:28

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT3-2019

Tot Ion: 74 Resp: 2845
Ion Ratio Lower Upper
74 100
45 96.2 48.1 144.4

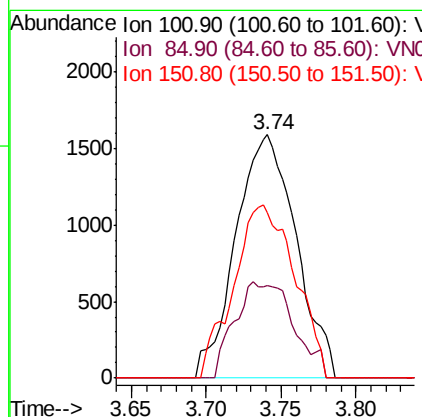
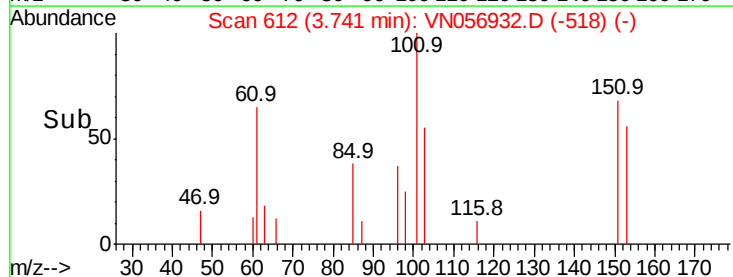
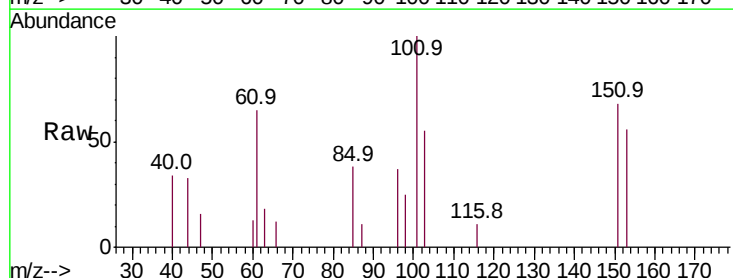
Manual Integrations
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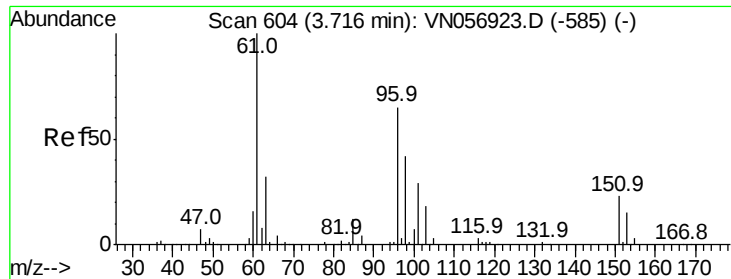
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7/26/2019 3:37:45 PM



#9
1,1,2-Trichlorotrifluoroethane
Concen: 1.054 ug/l
RT: 3.74 min Scan# 612
Delta R.T. 0.00 min
Lab File: VN056932.D
Acq: 25 Jul 2019 20:28

Tgt Ion: 101 Resp: 4452
Ion Ratio Lower Upper
101 100
85 38.6 32.7 49.1
151 72.5 67.4 101.0





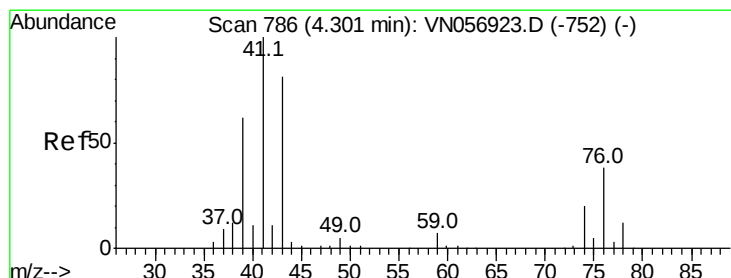
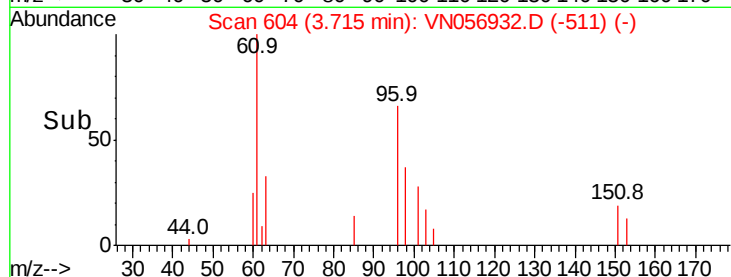
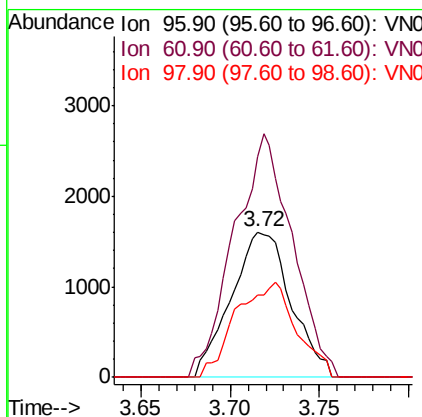
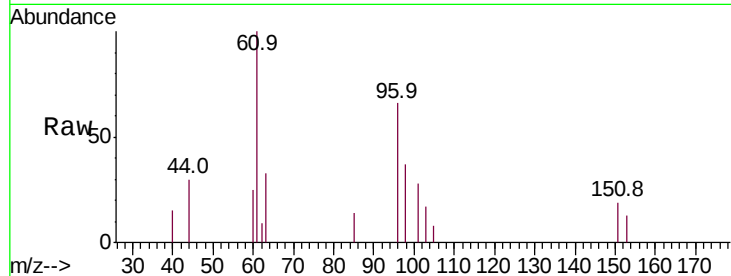
#12
 1,1-Dichloroethene
 Concen: 0.917 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. -0.00 min
 Lab File: VN056932.D
 Acq: 25 Jul 2019 20:28

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT3-2019

Tot Ion	Ratio	Lower	Upper
96	100		
61	151.6	122.4	183.6
98	56.5	51.3	76.9

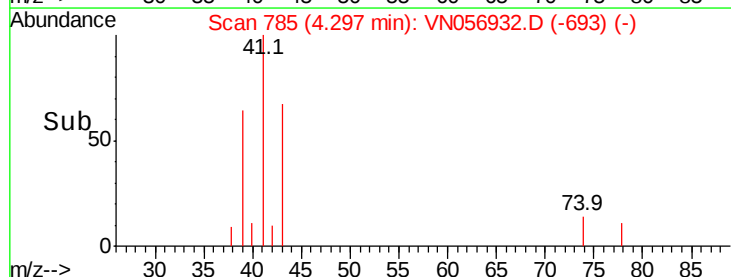
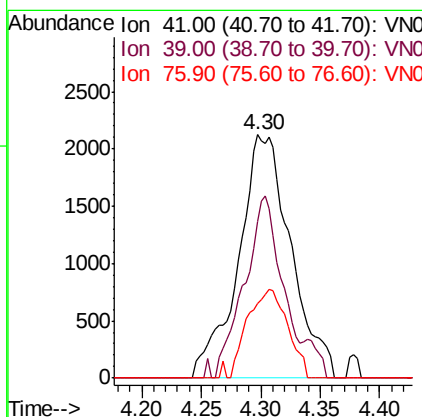
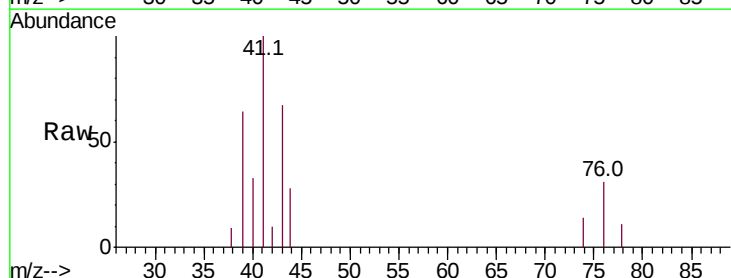
Manual Integrations
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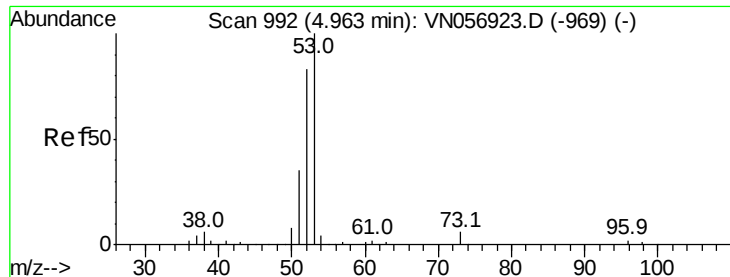
MMDadoda
 7/26/2019 3:37:45 PM



#14
 Allyl chloride
 Concen: 0.982 ug/l
 RT: 4.30 min Scan# 785
 Delta R.T. -0.00 min
 Lab File: VN056932.D
 Acq: 25 Jul 2019 20:28

Tgt Ion	Ratio	Lower	Upper
41	100		
39	53.9	47.5	71.3
76	27.7	28.0	42.0#





#15

Acrylonitrile

Concen: 4.363 ug/l

RT: 4.97 min Scan# 994

Delta R.T. 0.01 min

Lab File: VN056932.D

Acq: 25 Jul 2019 20:28

Instrument :

MSVOA_N

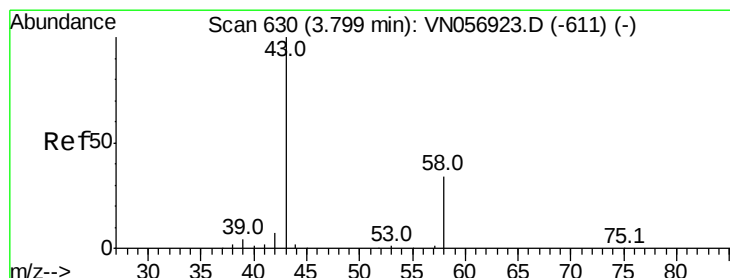
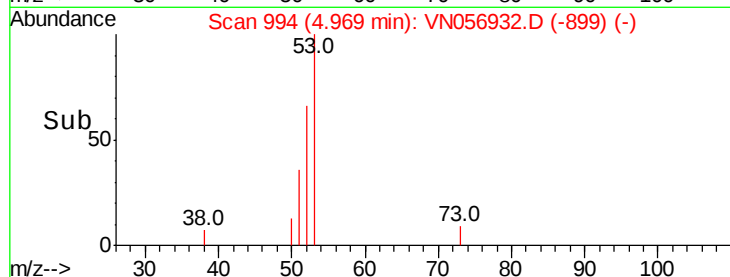
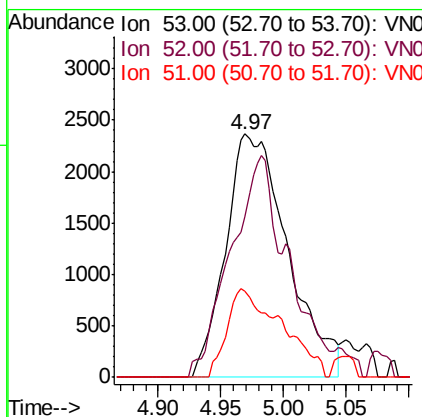
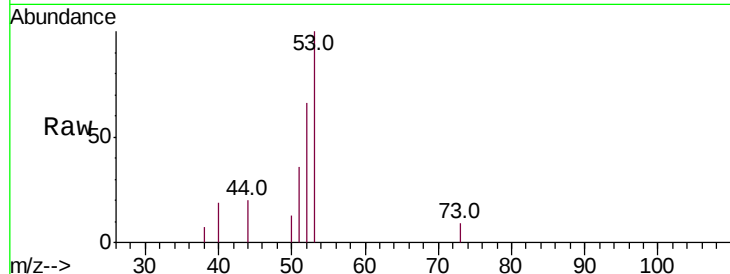
ClientSampleId :

LOQ-WATER-02-QT3-2019

Tot Ion:	53	Resp:	8146
Ion	Ratio	Lower	Upper
53	100		
52	64.8	65.5	98.3#
51	32.1	28.1	42.1

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#16

Acetone

Concen: 4.908 ug/l

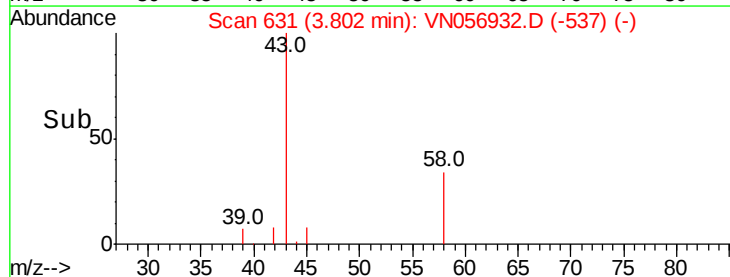
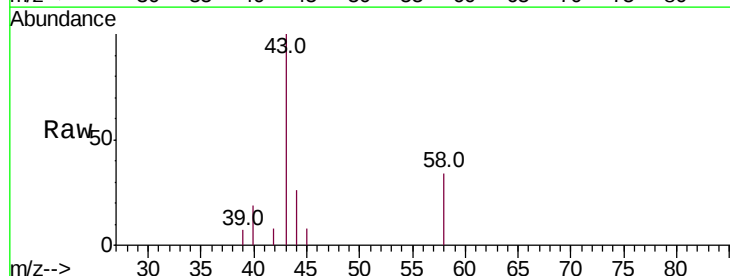
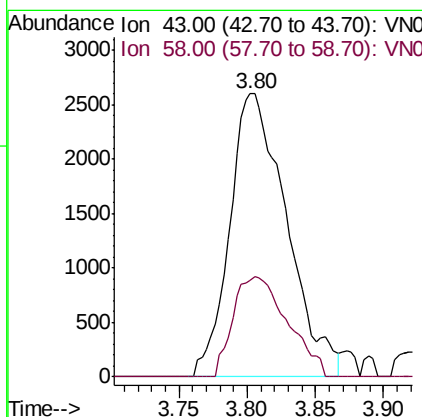
RT: 3.80 min Scan# 631

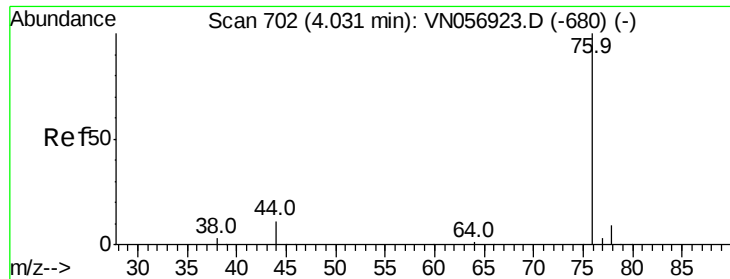
Delta R.T. 0.00 min

Lab File: VN056932.D

Acq: 25 Jul 2019 20:28

Tgt Ion:	43	Resp:	7538
Ion	Ratio	Lower	Upper
43	100		
58	34.3	27.3	40.9





#17

Carbon Disulfide

Concen: 0.945 ug/l

RT: 4.03 min Scan# 703

Delta R.T. 0.00 min

Lab File: VN056932.D

Acq: 25 Jul 2019 20:28

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT3-2019

Tot Ion: 76 Resp: 10376

Ion Ratio Lower Upper

76 100

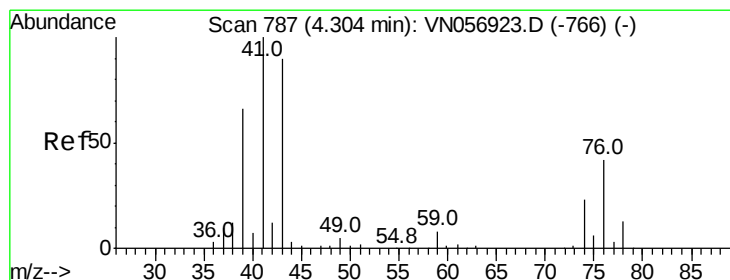
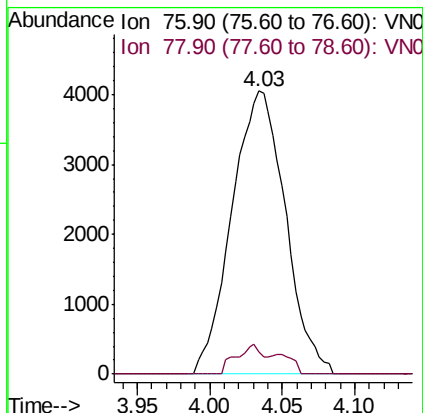
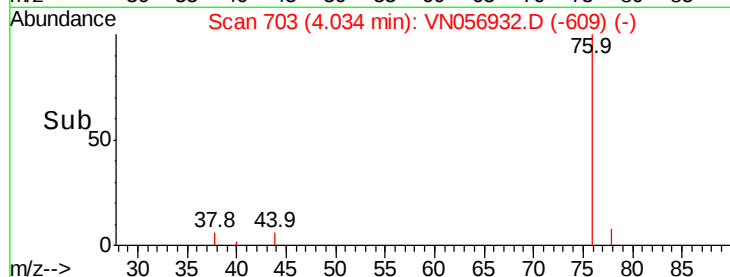
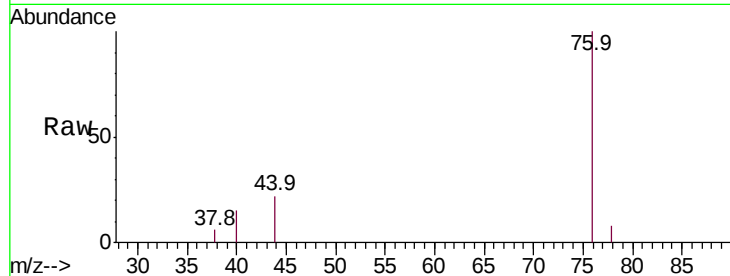
78 8.1 7.3 10.9

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#18

Methyl Acetate

Concen: 1.307 ug/l

RT: 4.31 min Scan# 788

Delta R.T. 0.00 min

Lab File: VN056932.D

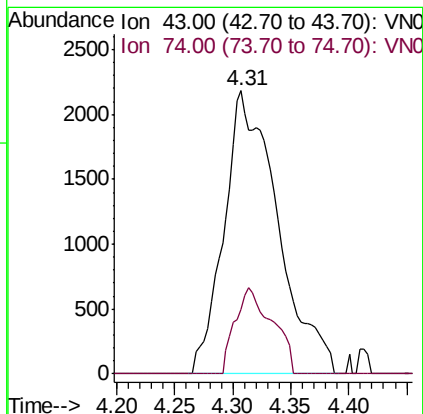
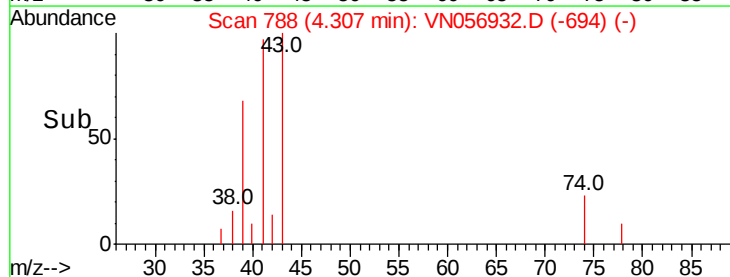
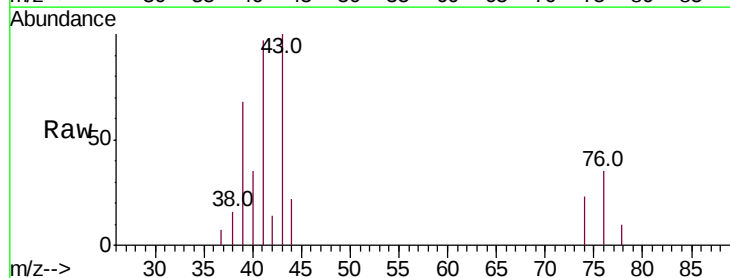
Acq: 25 Jul 2019 20:28

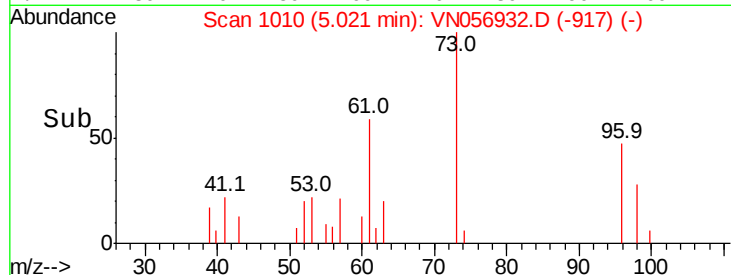
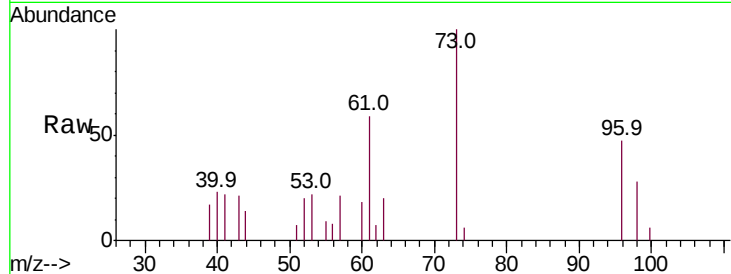
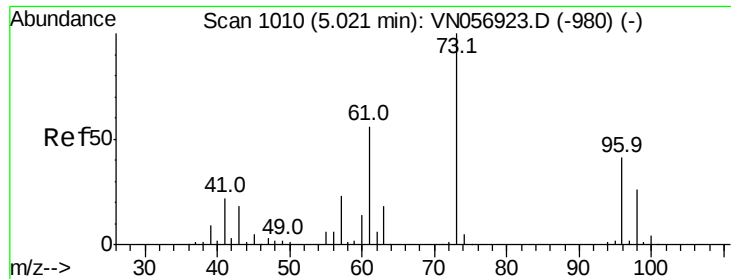
Tgt Ion: 43 Resp: 7026

Ion Ratio Lower Upper

43 100

74 21.0 19.4 29.0





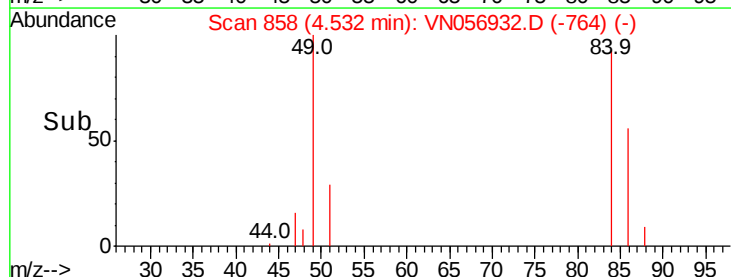
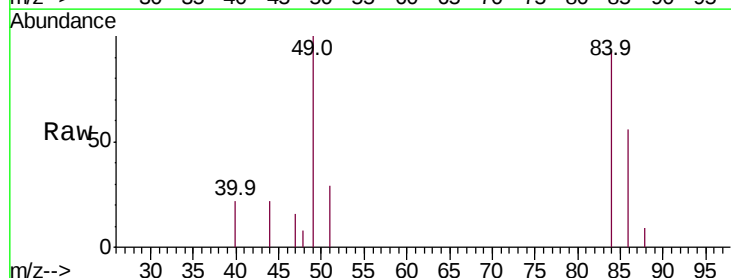
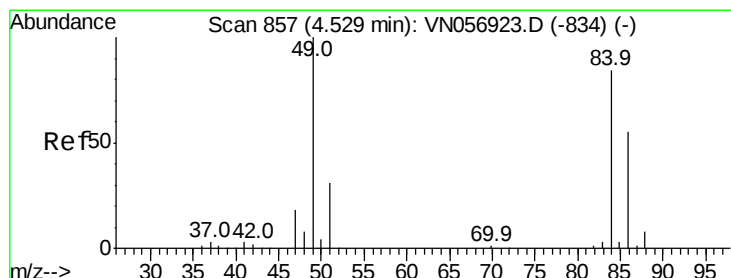
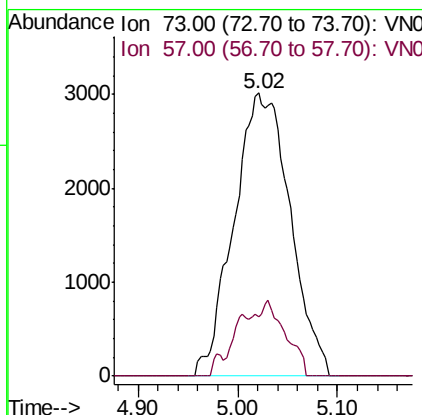
#19
Methvl tert-butvl Ether
Concen: 0.988 ug/l m
RT: 5.02 min Scan# 1010
Delta R.T. -0.00 min
Lab File: VN056932.D
Acq: 25 Jul 2019 20:28

Tot Ion: 73 Resp: 11844
Ion Ratio Lower Upper
73 100
57 21.0 18.2 27.4

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT3-2019

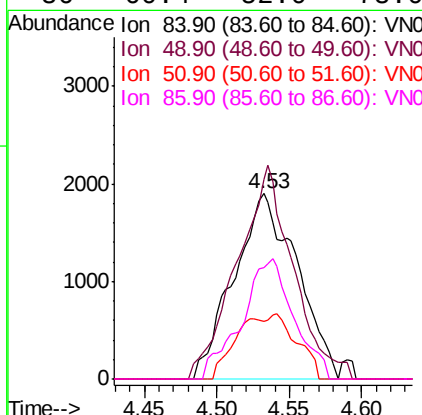
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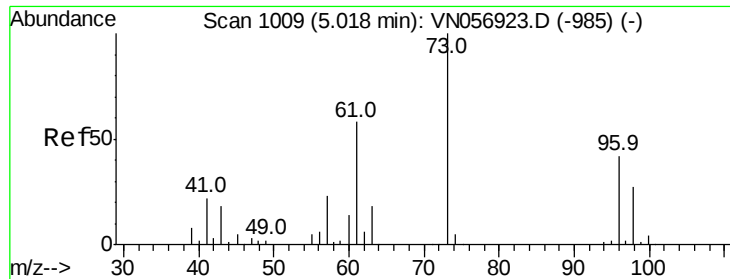
MMDadoda
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#20
Methylene Chloride
Concen: 1.185 ug/l
RT: 4.53 min Scan# 858
Delta R.T. 0.00 min
Lab File: VN056932.D
Acq: 25 Jul 2019 20:28

Tgt Ion: 84 Resp: 5762
Ion Ratio Lower Upper
84 100
49 107.8 95.0 142.6
51 31.2 29.8 44.8
86 60.4 52.0 78.0





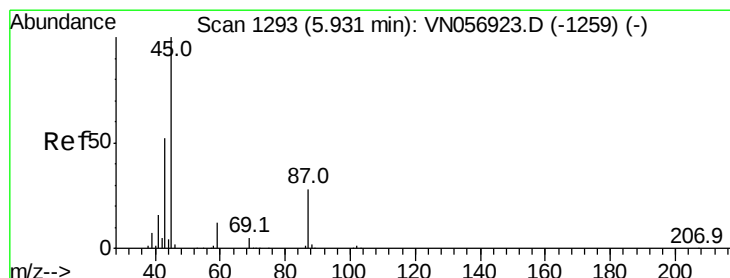
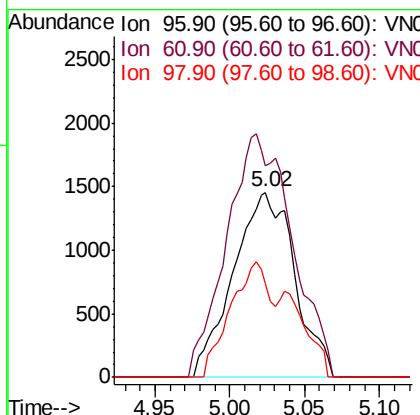
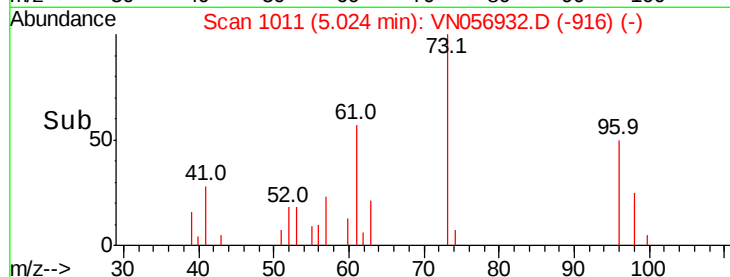
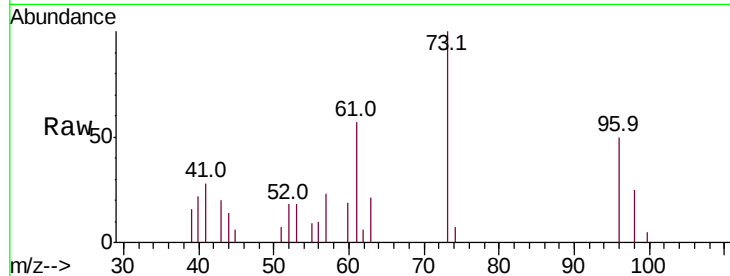
#21
trans-1,2-Dichloroethene
Concen: 0.951 ug/l
RT: 5.02 min Scan# 1011
Delta R.T. 0.01 min
Lab File: VN056932.D
Acq: 25 Jul 2019 20:28

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT3-2019

Tot Ion: 96 Resp: 4152
Ion Ratio Lower Upper
96 100
61 114.5 109.9 164.9
98 50.7 51.0 76.4#

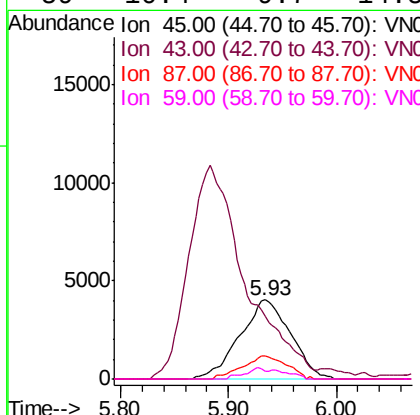
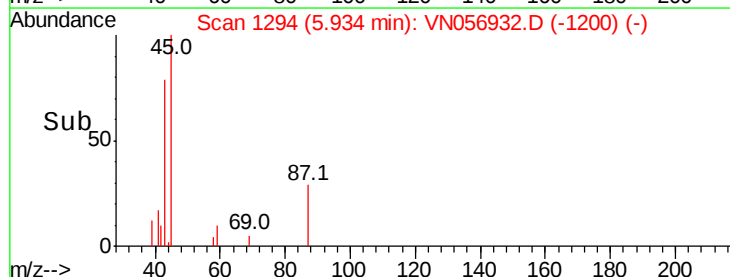
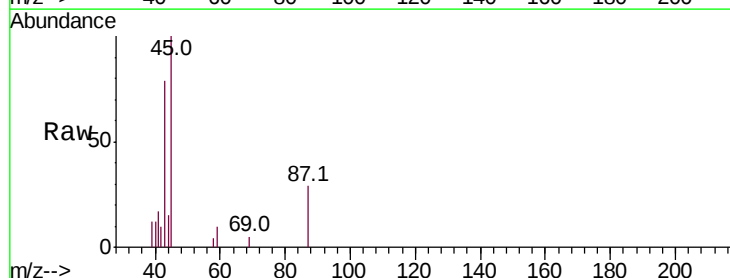
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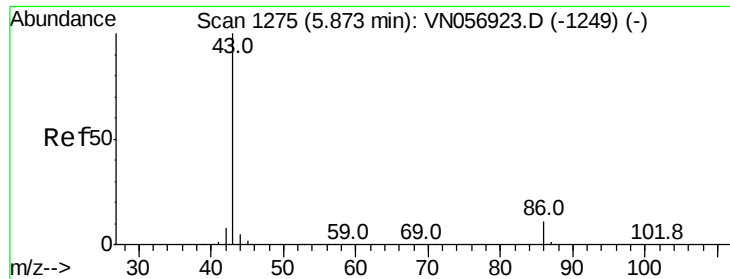
MMDadoda
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#22
Diisopropyl ether
Concen: 0.978 ug/l
RT: 5.93 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VN056932.D
Acq: 25 Jul 2019 20:28

Tgt Ion: 45 Resp: 13186
Ion Ratio Lower Upper
45 100
43 68.3 44.7 67.1#
87 28.7 23.1 34.7
59 10.4 9.7 14.5





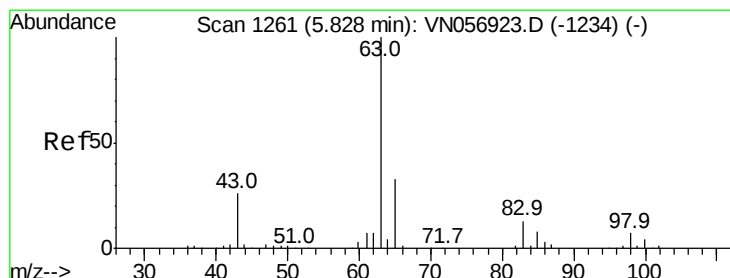
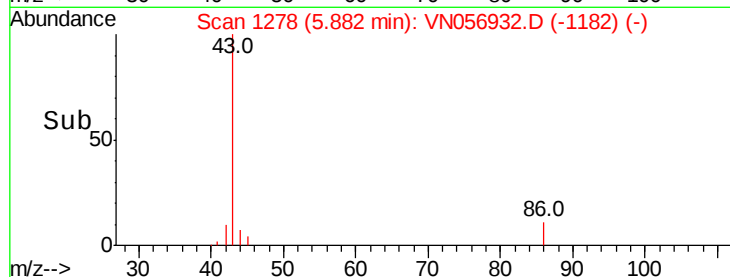
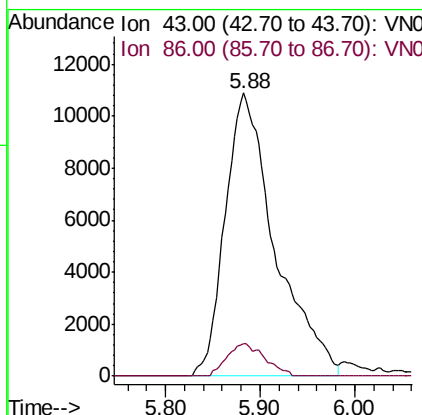
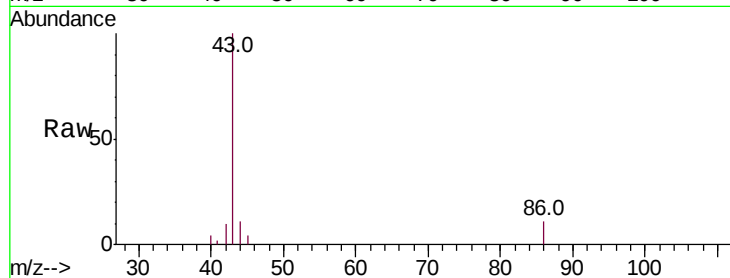
#23
 Vinyl Acetate
 Concen: 4.312 ug/l
 RT: 5.88 min Scan# 1278
 Delta R.T. 0.01 min
 Lab File: VN056932.D
 Acq: 25 Jul 2019 20:28

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT3-2019

Tot Ion	43	86	Resp	Lower	Upper
43	100				
86	11.3		8.6	13.0	

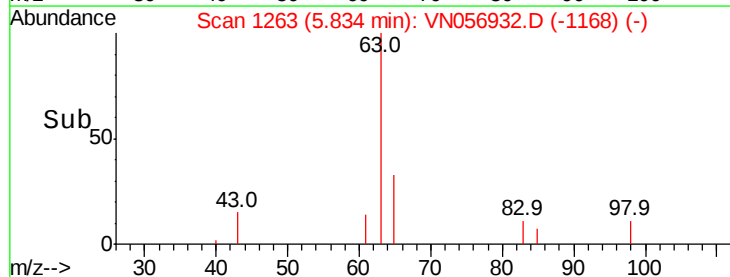
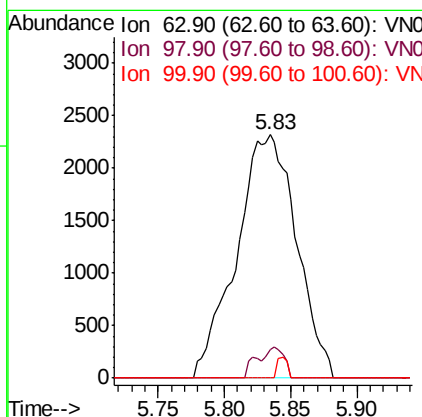
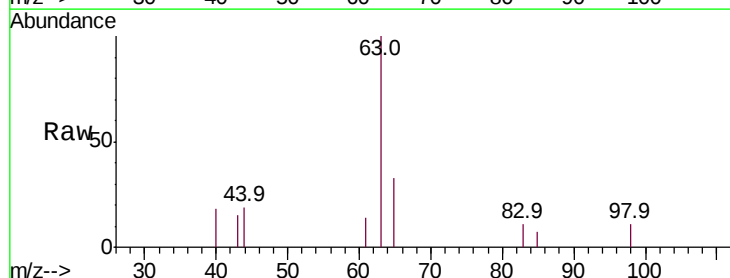
Manual Integrations
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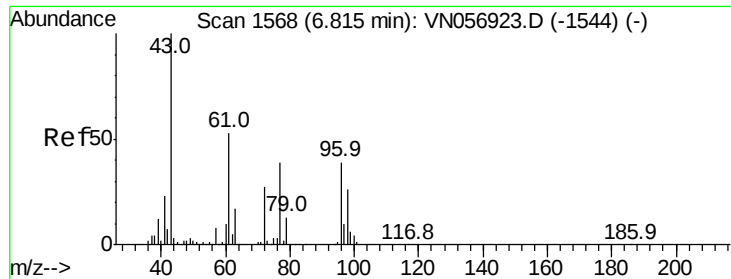
MMDadoda
 7/26/2019 3:37:45 PM



#24
 1,1-Dichloroethane
 Concen: 0.924 ug/l
 RT: 5.83 min Scan# 1263
 Delta R.T. 0.01 min
 Lab File: VN056932.D
 Acq: 25 Jul 2019 20:28

Tgt Ion	63	98	100	Resp	Lower	Upper
63	100					
98	11.5			3.4	10.1#	
100	0.0			2.1	6.3#	





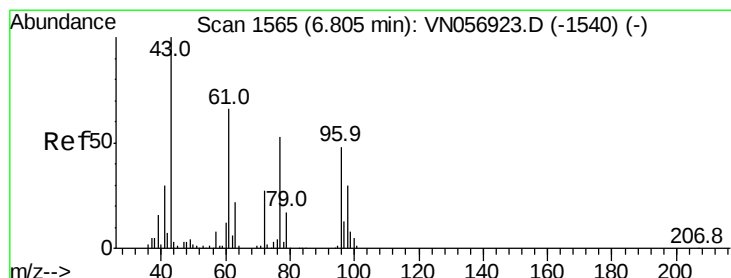
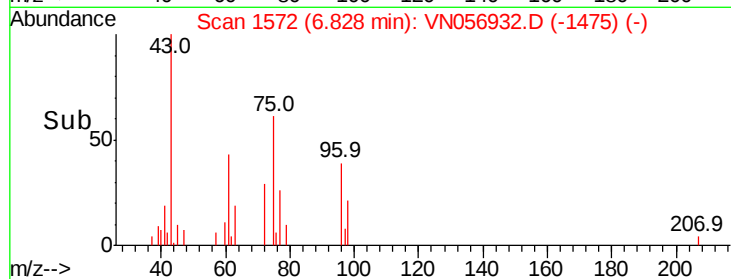
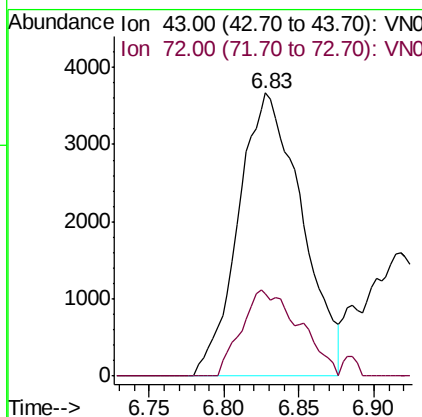
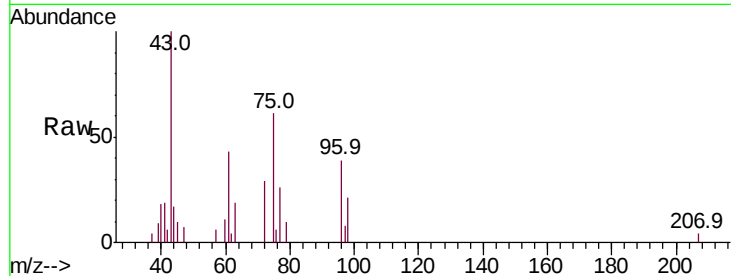
#25
 2-Butanone
 Concen: 4.575 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. 0.01 min
 Lab File: VN056932.D
 Acq: 25 Jul 2019 20:28

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT3-2019

Tot Ion: 43 Resp: 10817
 Ion Ratio Lower Upper
 43 100
 72 29.0 21.9 32.9

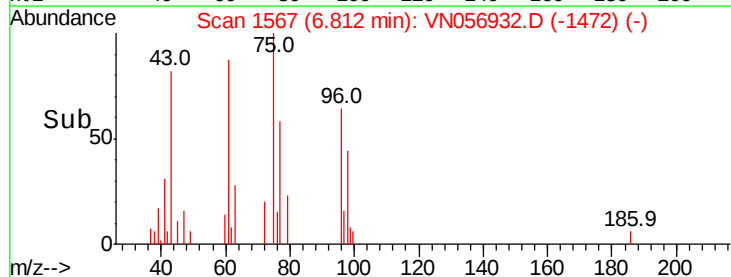
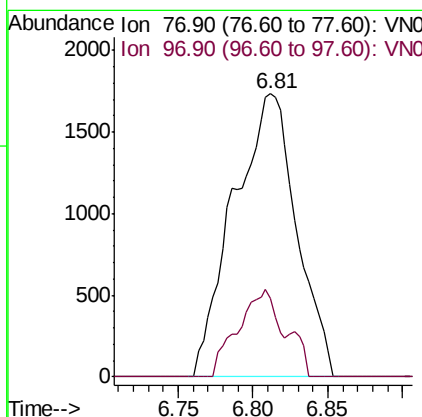
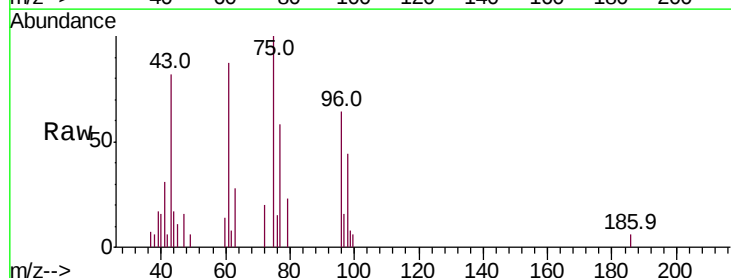
Manual Integrations
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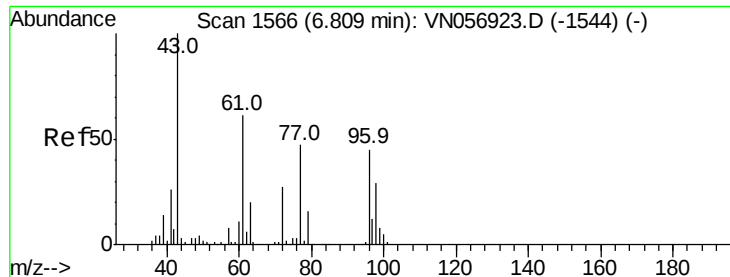
MMDadoda
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#26
 2,2-Dichloropropane
 Concen: 0.873 ug/l
 RT: 6.81 min Scan# 1567
 Delta R.T. 0.01 min
 Lab File: VN056932.D
 Acq: 25 Jul 2019 20:28

Tgt Ion: 77 Resp: 5072
 Ion Ratio Lower Upper
 77 100
 97 19.5 12.3 36.8





#27

cis-1,2-Dichloroethene

Concen: 0.995 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VN056932.D

Acq: 25 Jul 2019 20:28

Instrument :

MSVOA_N

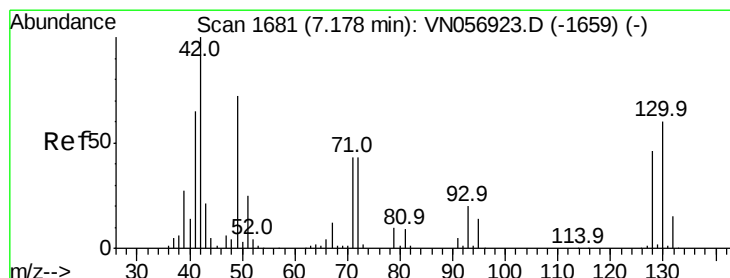
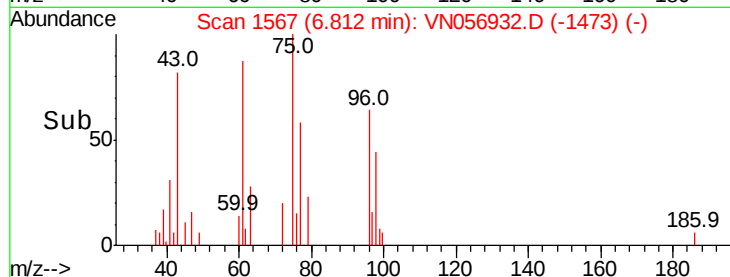
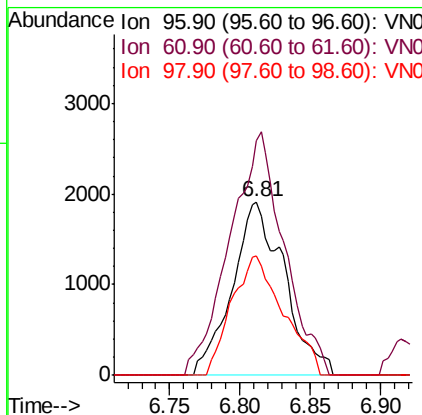
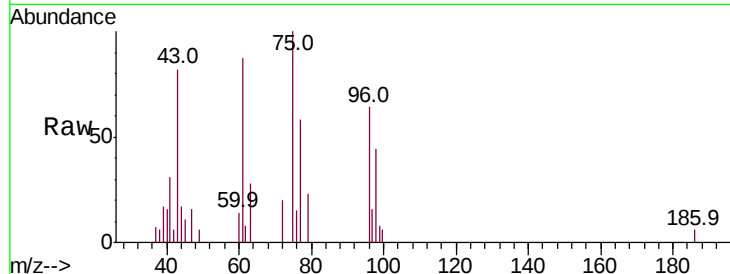
ClientSampleId :

LOQ-WATER-02-QT3-2019

Tot Ion:	96	Resp:	4954
Ion	Ratio	Lower	Upper
96	100		
61	144.9	0.0	278.8
98	67.7	0.0	130.0

Manual Integrations
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#28

Bromochloromethane

Concen: 1.050 ug/l

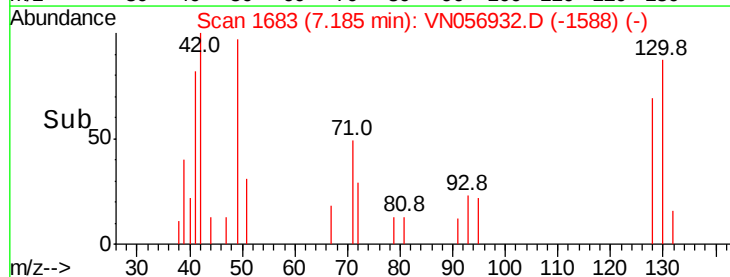
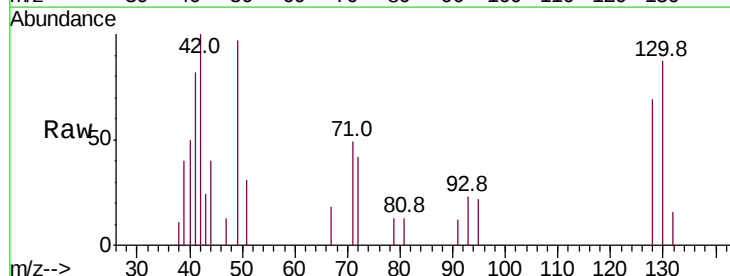
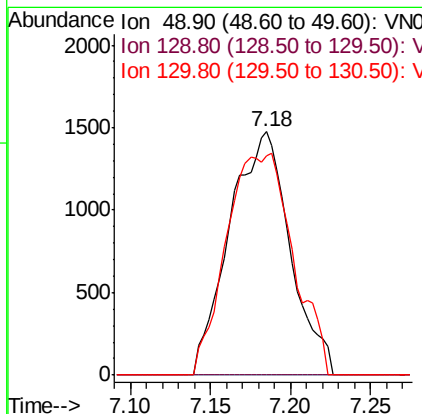
RT: 7.18 min Scan# 1683

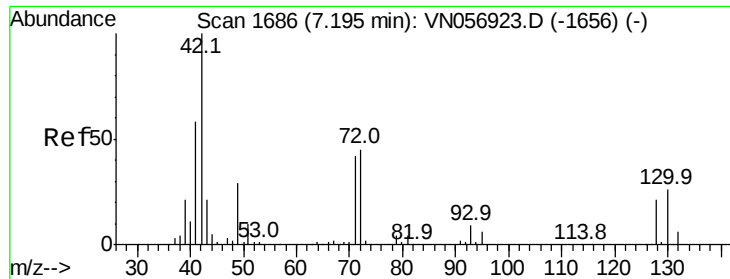
Delta R.T. 0.01 min

Lab File: VN056932.D

Acq: 25 Jul 2019 20:28

Tgt Ion:	49	Resp:	3837
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.4
130	99.9	67.3	100.9





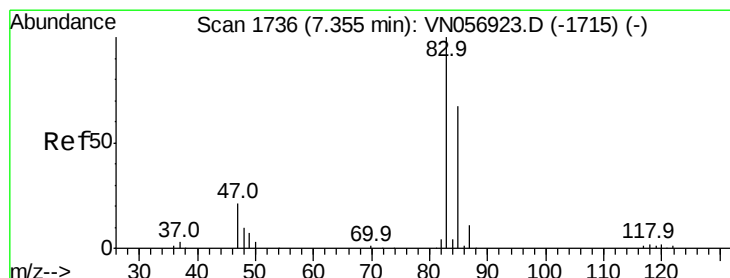
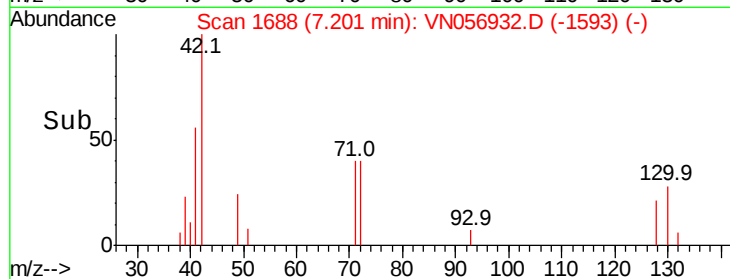
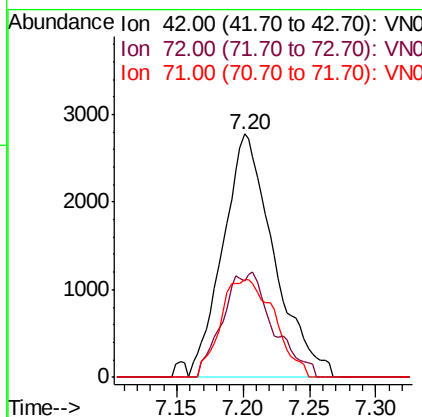
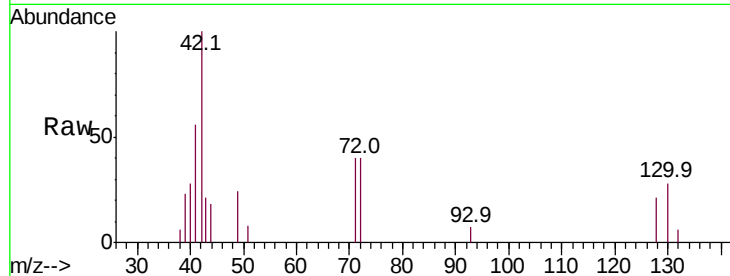
#29
Tetrahydrofuran
Concen: 4.794 ug/l
RT: 7.20 min Scan# 1688
Delta R.T. 0.01 min
Lab File: VN056932.D
Acq: 25 Jul 2019 20:28

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT3-2019

Tot Ion: 42 Resp: 7427
Ion Ratio Lower Upper
42 100
72 42.8 35.5 53.3
71 42.3 33.0 49.6

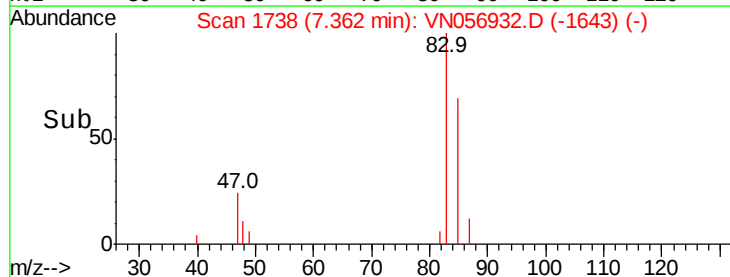
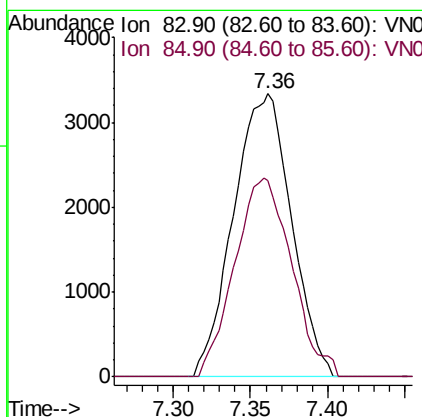
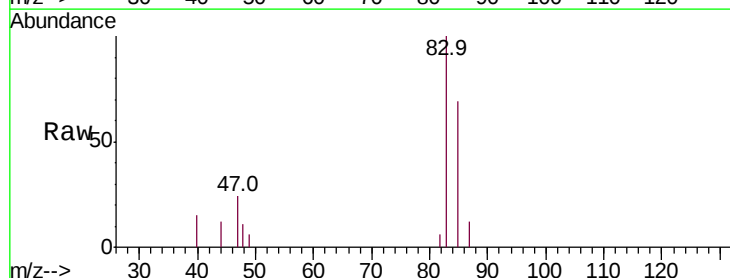
Manual Integrations
APPROVED

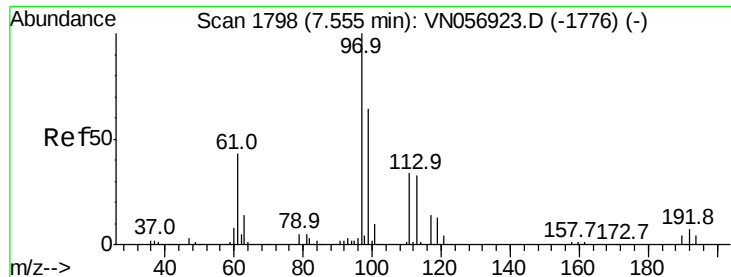
MMDadoda
7/26/2019 3:37:45 PM



#30
Chloroform
Concen: 1.066 ug/l
RT: 7.36 min Scan# 1738
Delta R.T. 0.01 min
Lab File: VN056932.D
Acq: 25 Jul 2019 20:28

Tgt Ion: 83 Resp: 8690
Ion Ratio Lower Upper
83 100
85 69.5 53.5 80.3





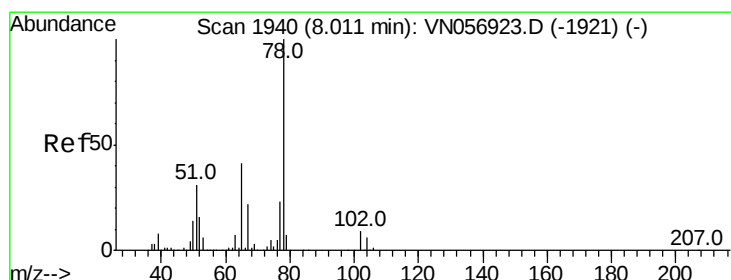
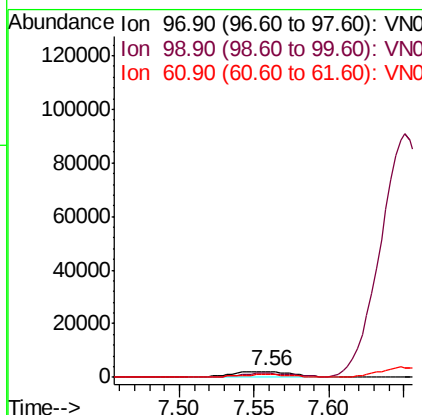
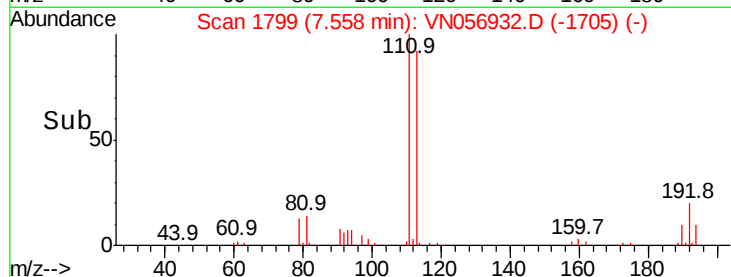
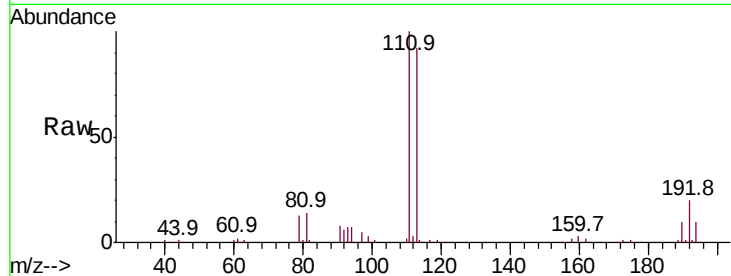
#32
 1,1,1-Trichloroethane
 Concen: 0.961 ug/l
 RT: 7.56 min Scan# 1799
 Delta R.T. 0.00 min
 Lab File: VN056932.D
 Acq: 25 Jul 2019 20:28

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT3-2019

Tot Ion	Ratio	Lower	Upper
97	100		
99	0.0	51.6	77.4#
61	42.0	33.8	50.6

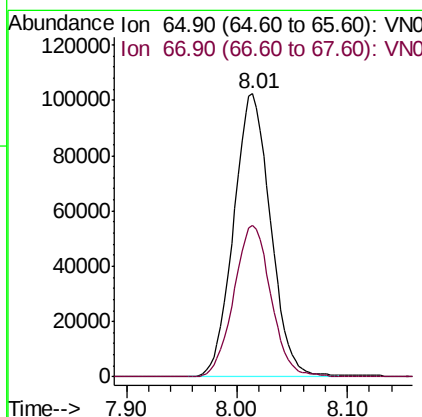
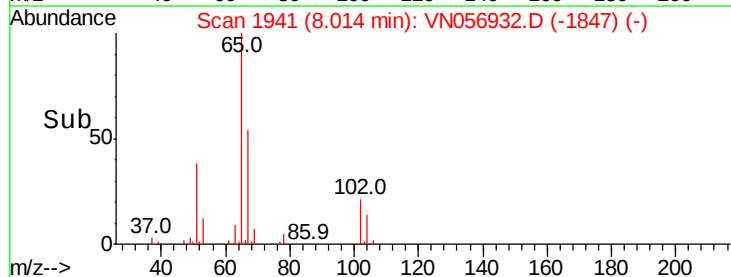
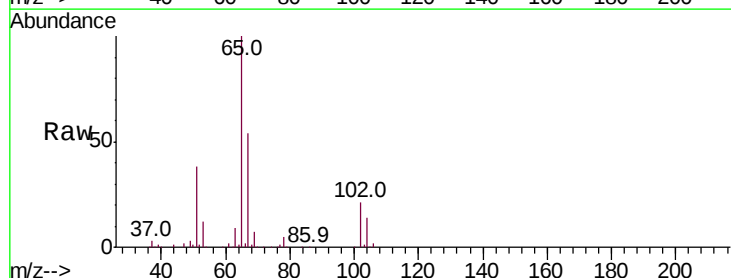
Manual Integrations
 APPROVED

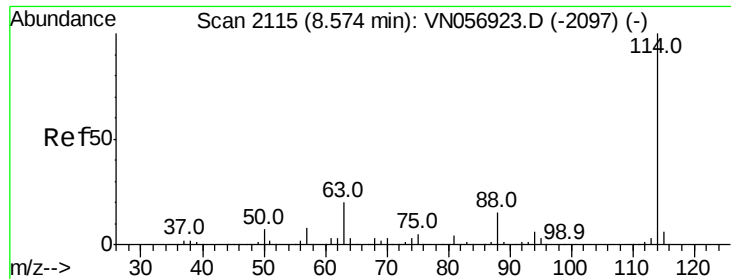
MMDadoda
 7/26/2019 3:37:45 PM



#33
 1,2-Dichloroethane-d4
 Concen: 52.790 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. 0.00 min
 Lab File: VN056932.D
 Acq: 25 Jul 2019 20:28

Tgt Ion	Ratio	Lower	Upper
65	100		
67	53.9	0.0	109.2





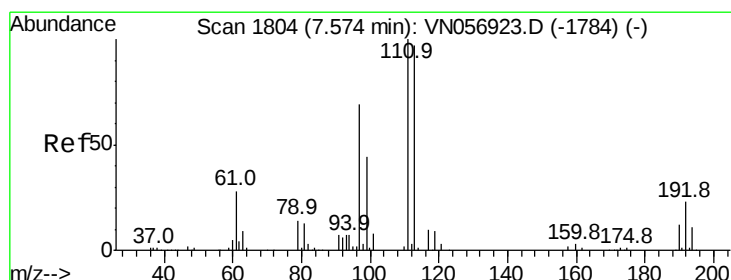
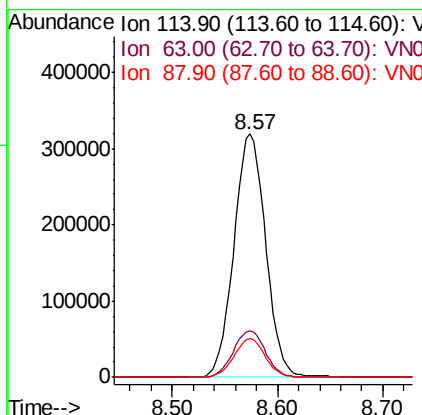
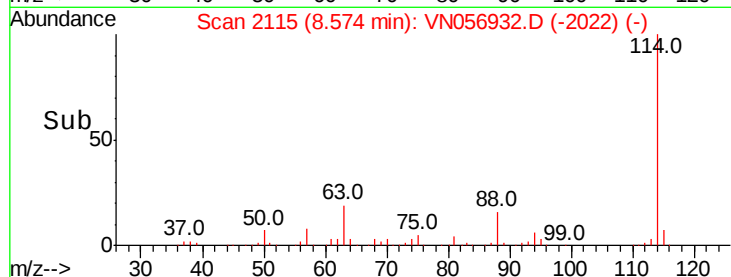
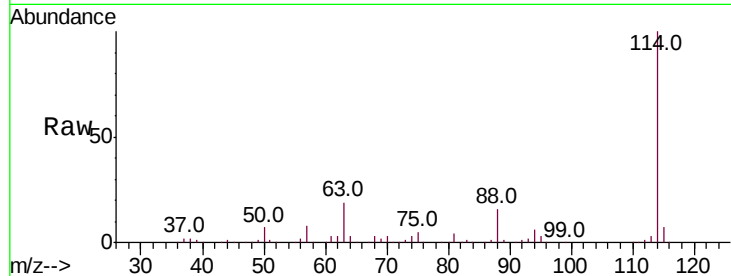
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. -0.00 min
 Lab File: VN056932.D
 Acq: 25 Jul 2019 20:28

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT3-2019

Tot Ion	Ratio	Lower	Upper
114	100		
63	19.1	0.0	39.4
88	16.1	0.0	30.4

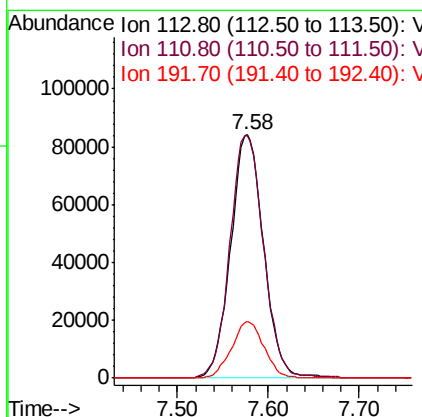
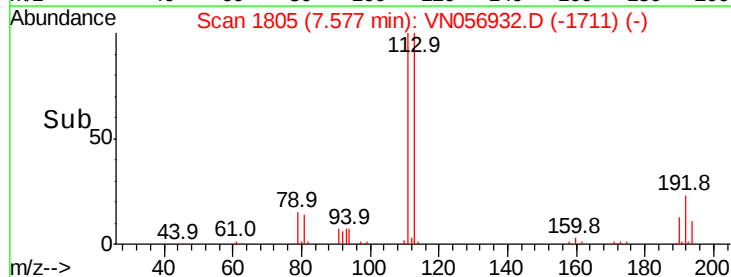
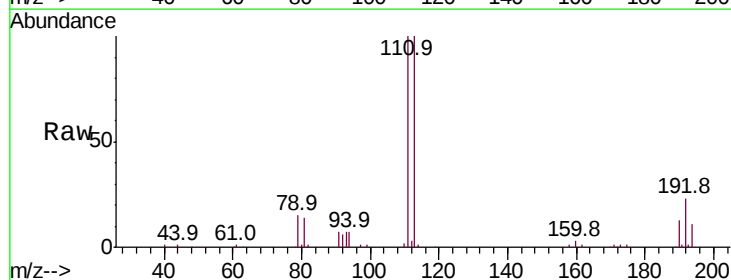
Manual Integrations
 APPROVED

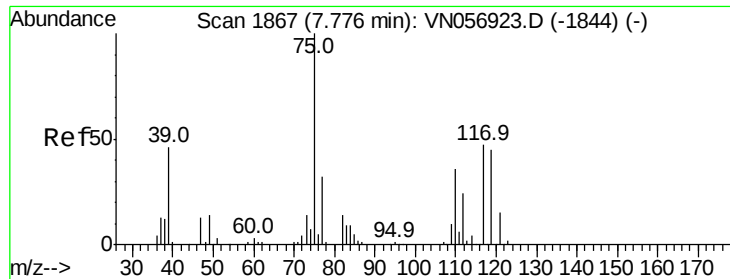
MMDadoda
 7/26/2019 3:37:45 PM



#35
 Dibromofluoromethane
 Concen: 49.709 ug/l
 RT: 7.58 min Scan# 1805
 Delta R.T. 0.00 min
 Lab File: VN056932.D
 Acq: 25 Jul 2019 20:28

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.4	82.2	123.2
192	22.9	18.3	27.5





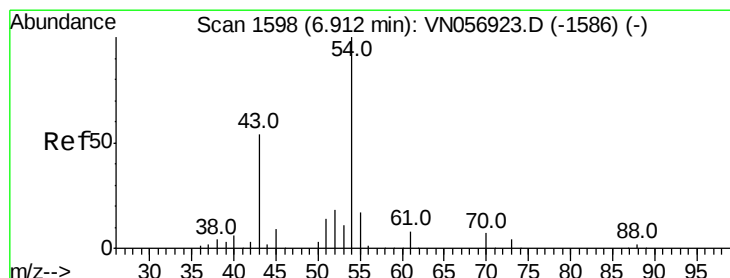
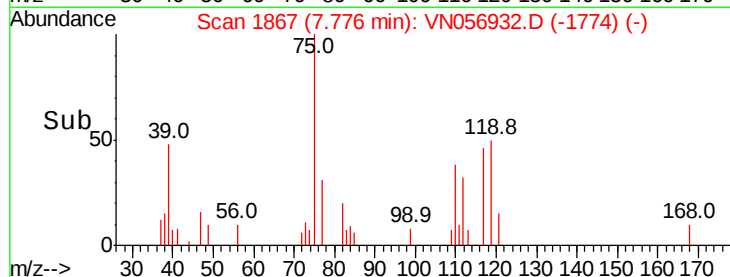
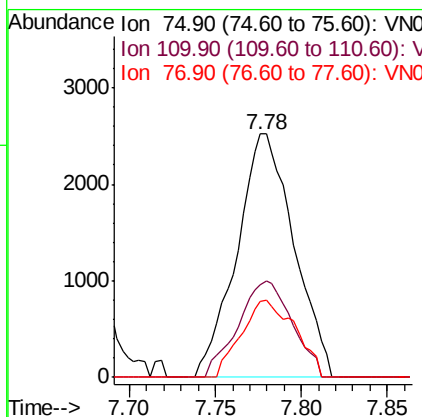
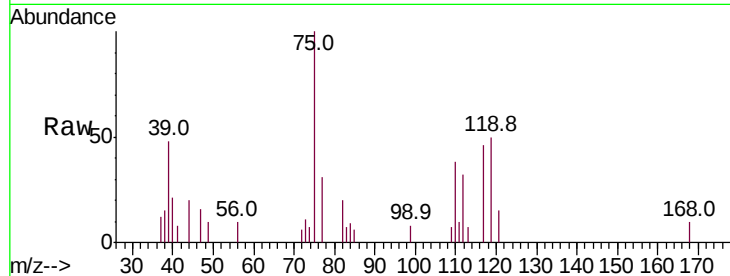
#36
 1,1-Dichloropropene
 Concen: 0.951 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN056932.D
 Acq: 25 Jul 2019 20:28

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT3-2019

Tot Ion	Ratio	Lower	Upper
75	100		
110	37.5	18.9	56.9
77	29.7	25.4	38.0

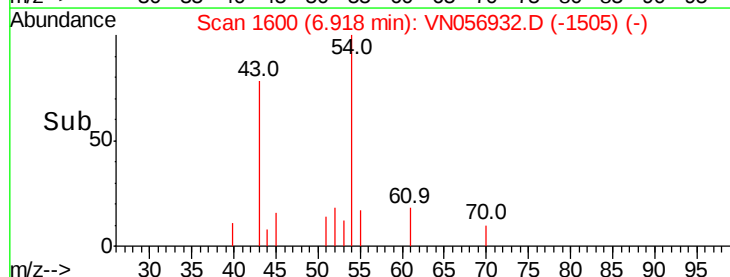
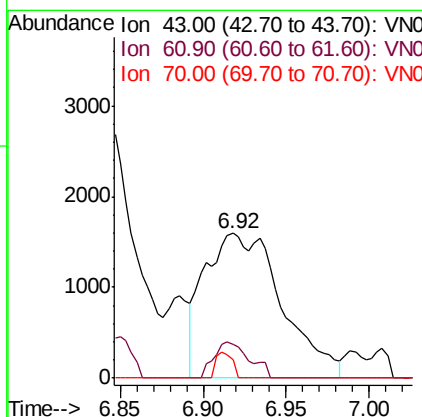
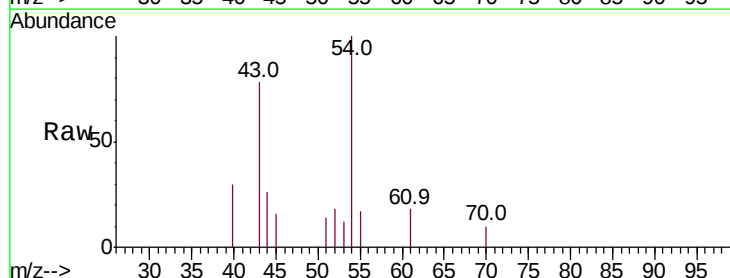
Manual Integrations
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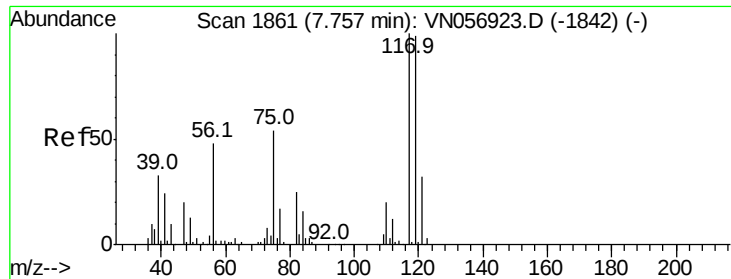
MMDadoda
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#37
 Ethyl Acetate
 Concen: 1.038 ug/l m
 RT: 6.92 min Scan# 1600
 Delta R.T. 0.01 min
 Lab File: VN056932.D
 Acq: 25 Jul 2019 20:28

Tgt Ion	Ratio	Lower	Upper
43	100		
61	11.4	11.9	17.9#
70	3.7	8.8	13.2#





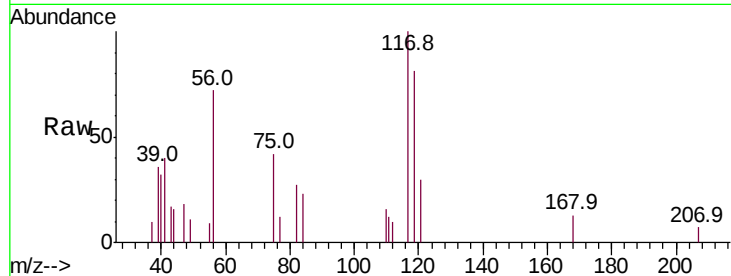
#38
Carbon Tetrachloride
Concen: 0.883 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VN056932.D
Acq: 25 Jul 2019 20:28

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT3-2019

Tot Ion	Ratio	Lower	Upper
117	100		
119	81.1	79.0	118.6
121	30.0	25.1	37.7

Manual Integrations
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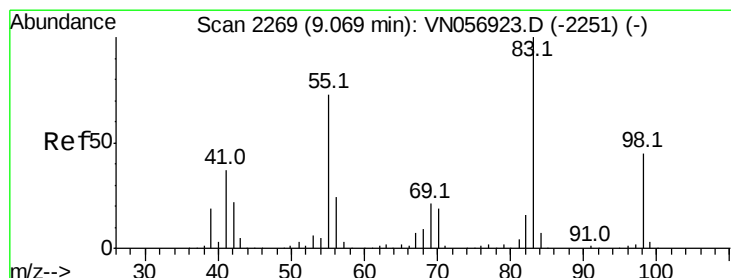
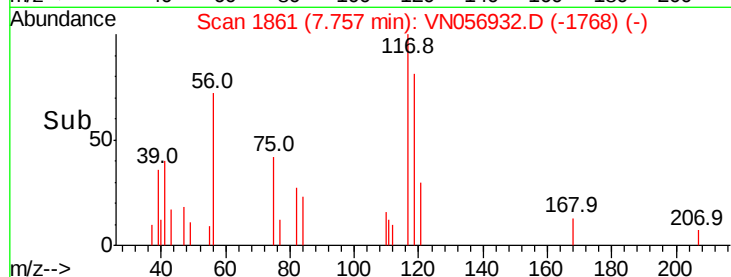
Abundance

Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

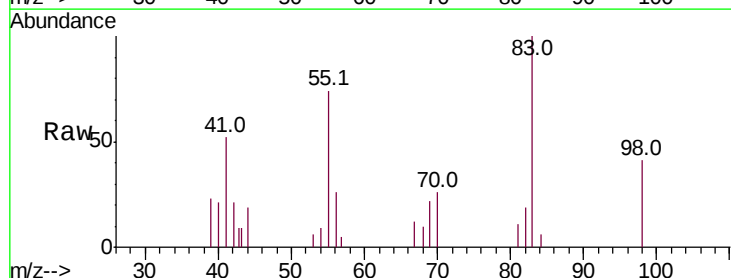
Ion 120.80 (120.50 to 121.50): V

Time-->



#39
Methylcyclohexane
Concen: 0.928 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. -0.00 min
Lab File: VN056932.D
Acq: 25 Jul 2019 20:28

Tgt Ion	Ratio	Lower	Upper
83	100		
55	74.3	58.8	88.2
98	40.8	35.8	53.6



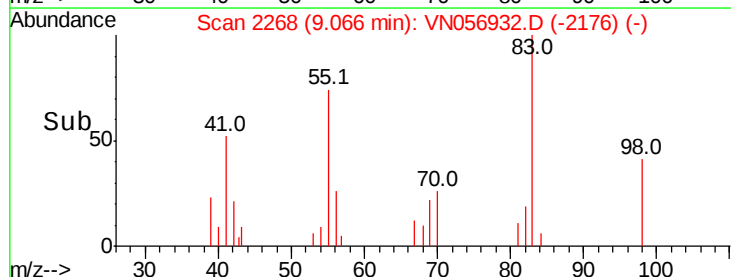
Abundance

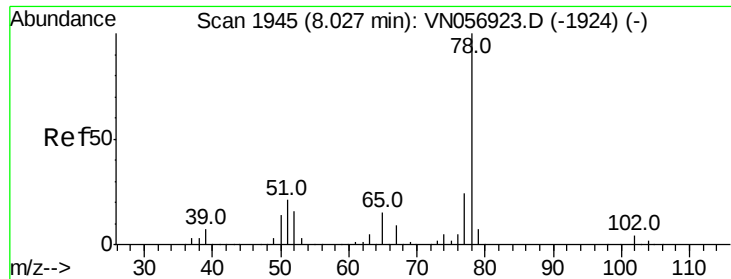
Ion 83.00 (82.70 to 83.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 98.00 (97.70 to 98.70): V

Time-->





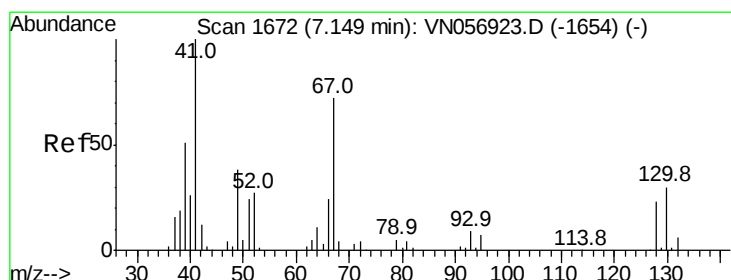
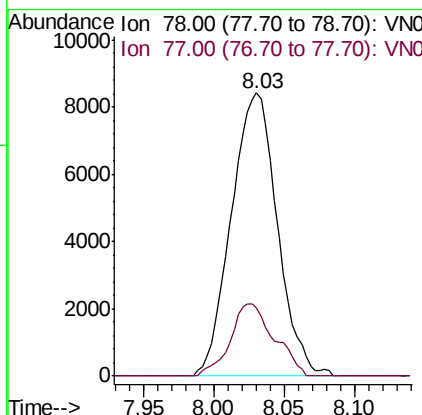
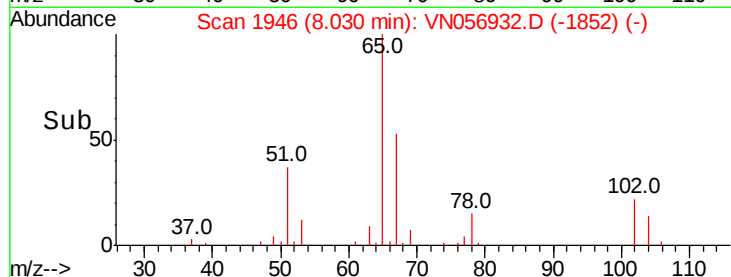
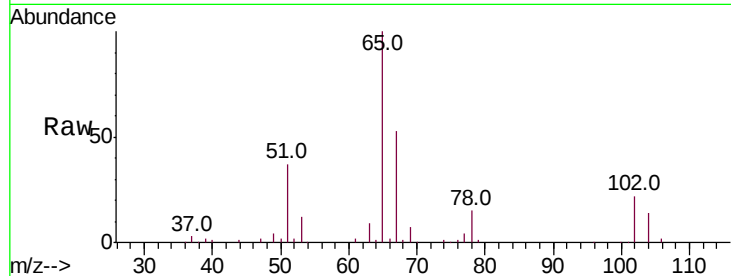
#40
Benzene
Concen: 1.010 ug/l
RT: 8.03 min Scan# 1946
Delta R.T. 0.00 min
Lab File: VN056932.D
Acq: 25 Jul 2019 20:28

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT3-2019

Tot Ion: 78 Resp: 19249
Ion Ratio Lower Upper
78 100
77 24.2 19.5 29.3

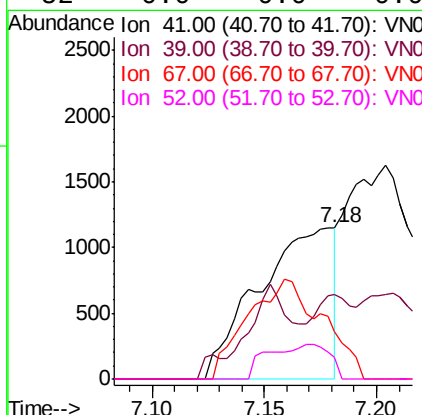
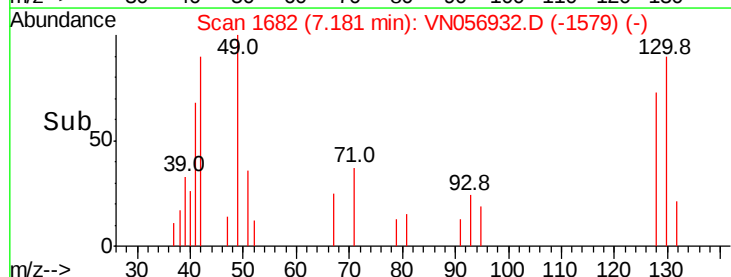
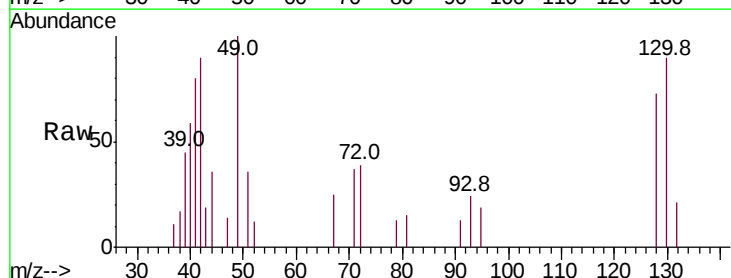
Manual Integrations
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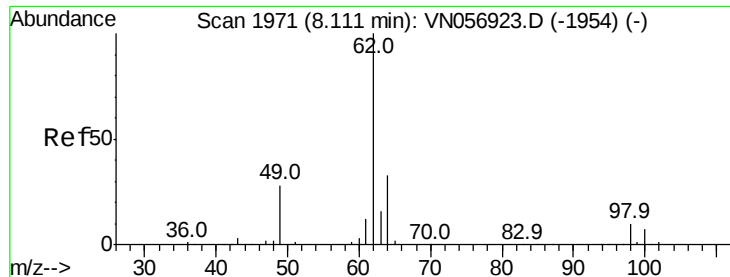
MMDadoda
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#41
Methacrylonitrile
Concen: 1.250 ug/l m
RT: 7.18 min Scan# 1682
Delta R.T. 0.03 min
Lab File: VN056932.D
Acq: 25 Jul 2019 20:28

Tgt Ion: 41 Resp: 2722
Ion Ratio Lower Upper
41 100
39 0.0 0.0 0.0
67 0.0 0.0 0.0
52 0.0 0.0 0.0





#42

1,2-Dichloroethane

Concen: 1.008 ug/l

RT: 8.11 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VN056932.D

Acq: 25 Jul 2019 20:28

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT3-2019

Tot Ion: 62 Resp: 5933

Ion Ratio Lower Upper

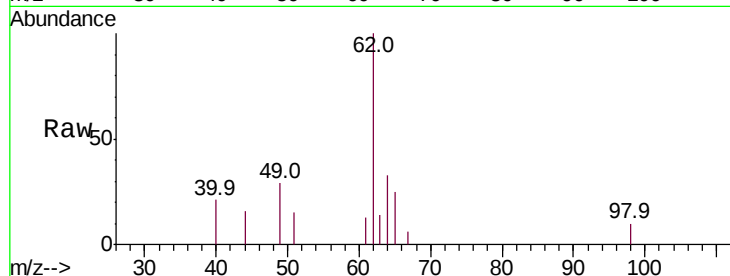
62 100

98 7.6 0.0 20.8

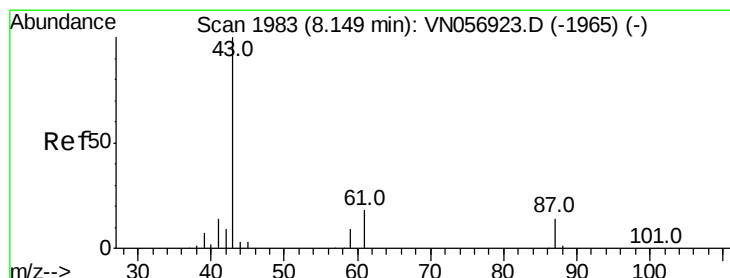
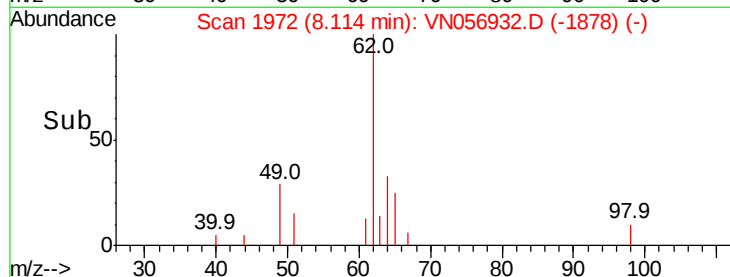
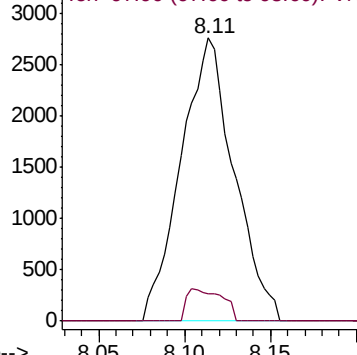
Manual Integrations
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Abundance Ion 61.90 (61.60 to 62.60): VNO
Ion 97.90 (97.60 to 98.60): VNO



#43

Isopropyl Acetate

Concen: 0.965 ug/l

RT: 8.15 min Scan# 1984

Delta R.T. 0.00 min

Lab File: VN056932.D

Acq: 25 Jul 2019 20:28

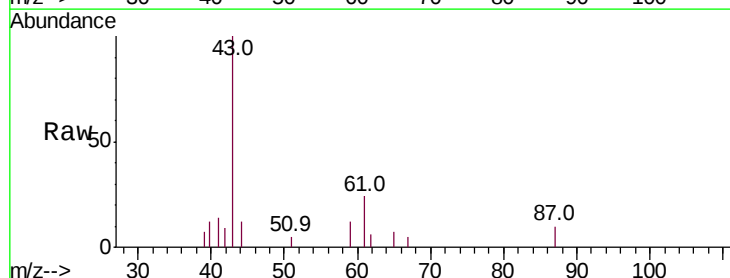
Tgt Ion: 43 Resp: 7863

Ion Ratio Lower Upper

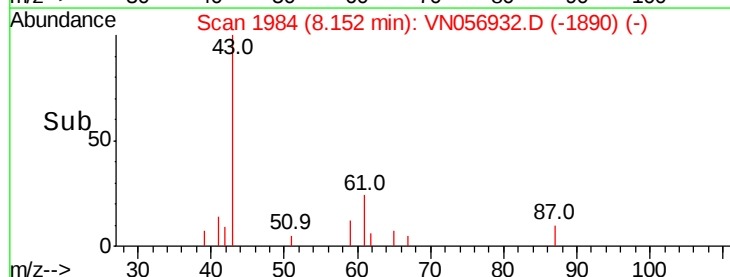
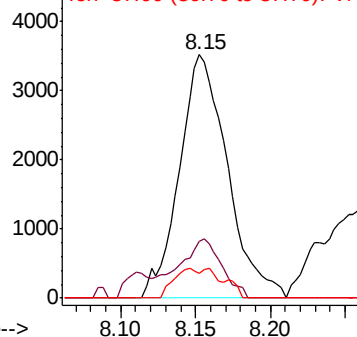
43 100

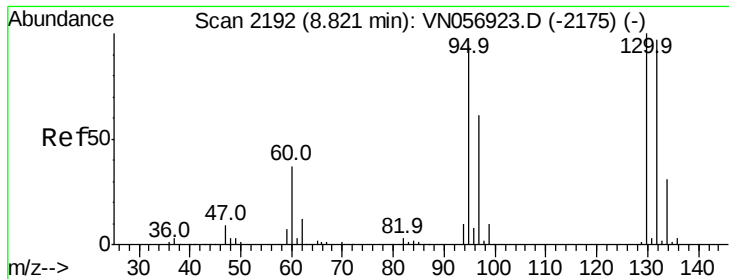
61 19.8 23.8 35.6#

87 6.5 11.8 17.6#



Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 61.00 (60.70 to 61.70): VNO
Ion 87.00 (86.70 to 87.70): VNO





#44

Trichloroethene

Concen: 0.869 ug/l

RT: 8.82 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VN056932.D

Acq: 25 Jul 2019 20:28

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT3-2019

Tot Ion:130 Resp: 4518

Ion Ratio Lower Upper

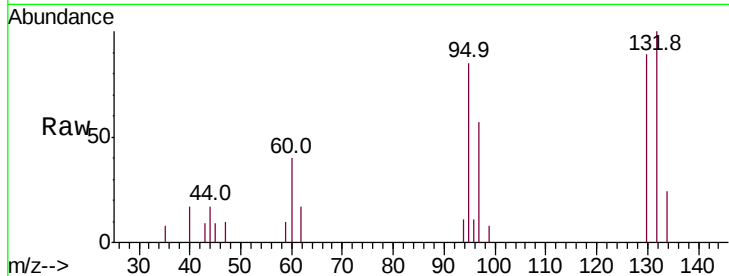
130 100

95 95.9 0.0 187.6

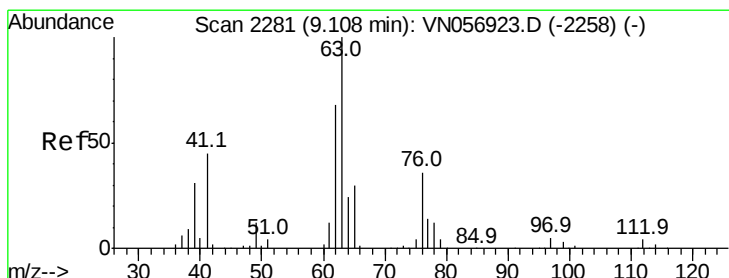
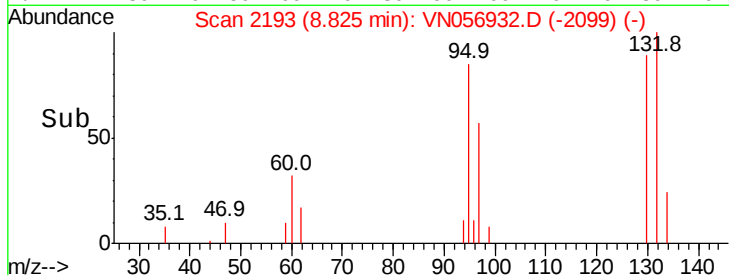
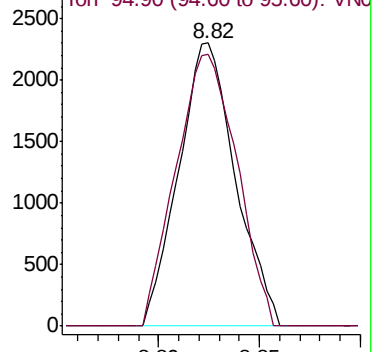
Manual Integrations
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Abundance Ion 129.80 (129.50 to 130.50): V



#45

1,2-Dichloropropane

Concen: 0.967 ug/l

RT: 9.11 min Scan# 2281

Delta R.T. -0.00 min

Lab File: VN056932.D

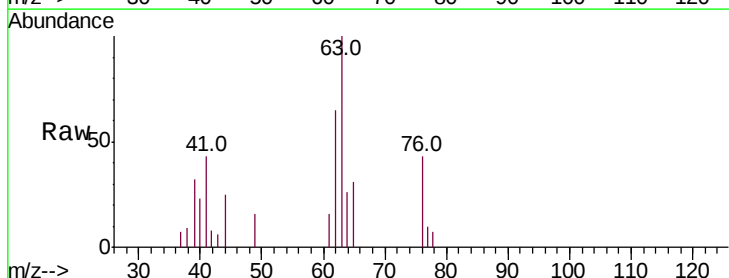
Acq: 25 Jul 2019 20:28

Tgt Ion: 63 Resp: 4951

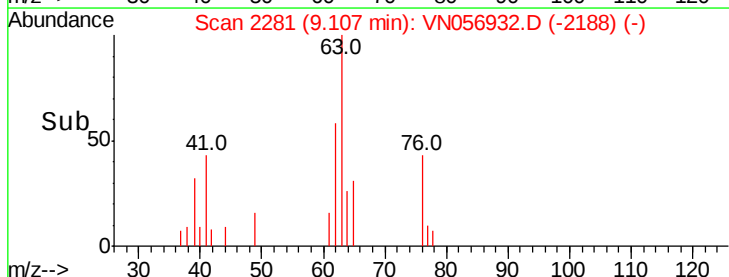
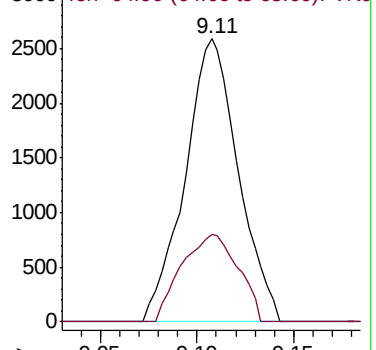
Ion Ratio Lower Upper

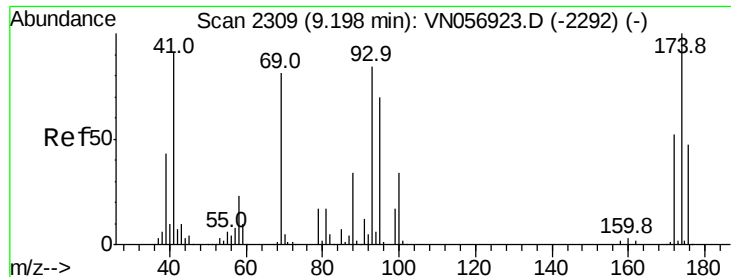
63 100

65 30.7 24.5 36.7



Abundance Ion 62.90 (62.60 to 63.60): VN





#46

Dibromomethane

Concen: 1.018 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN056932.D

Acq: 25 Jul 2019 20:28

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT3-2019

Tot Ion: 93 Resp: 3142

Ion Ratio Lower Upper

93 100

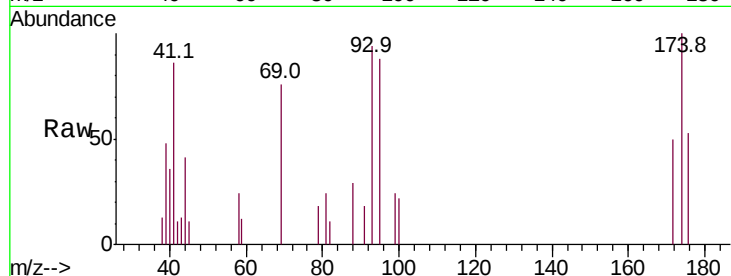
95 88.2 66.8 100.2

174 109.6 92.9 139.3

Manual Integrations
APPROVED

MMDadoda

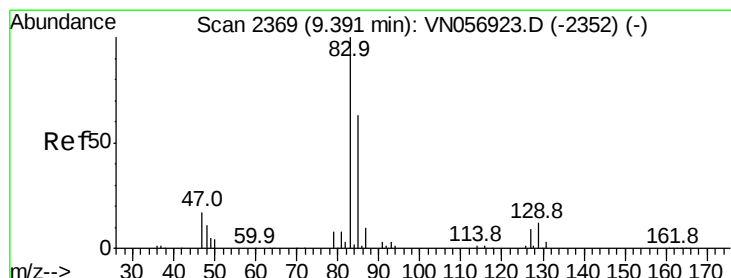
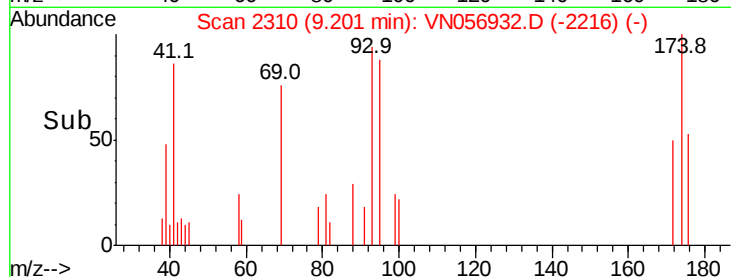
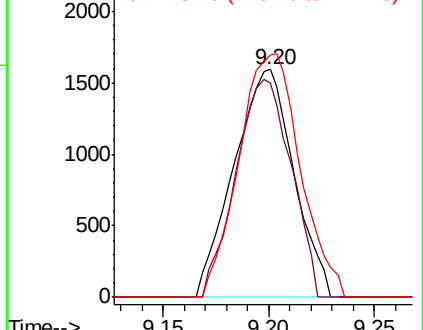
7/26/2019 3:37:45 PM



Abundance Ion 92.80 (92.50 to 93.50): VN056932.D (-2216) (-)

Ion 94.80 (94.50 to 95.50): VN056932.D (-2216) (-)

Ion 173.70 (173.40 to 174.40): VN056932.D (-2216) (-)



#47

Bromodichloromethane

Concen: 0.902 ug/l

RT: 9.39 min Scan# 2369

Delta R.T. -0.00 min

Lab File: VN056932.D

Acq: 25 Jul 2019 20:28

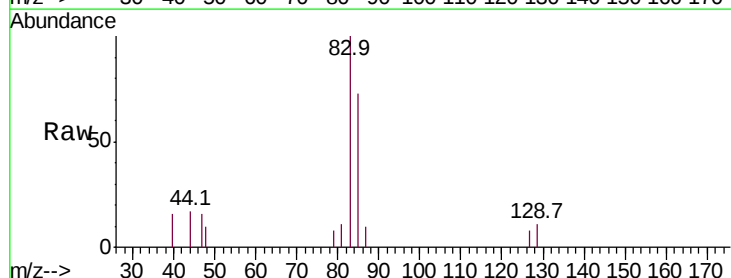
Tgt Ion: 83 Resp: 5438

Ion Ratio Lower Upper

83 100

85 72.8 50.5 75.7

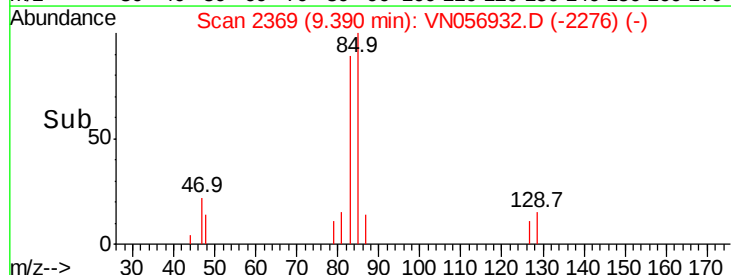
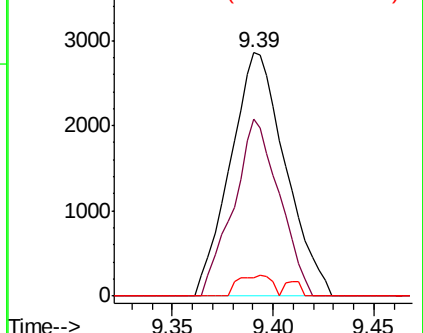
127 7.8 7.4 11.0

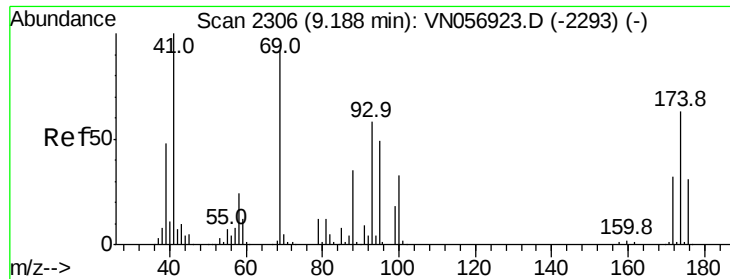


Abundance Ion 82.90 (82.60 to 83.60): VN056932.D (-2276) (-)

Ion 84.90 (84.60 to 85.60): VN056932.D (-2276) (-)

Ion 126.80 (126.50 to 127.50): VN056932.D (-2276) (-)





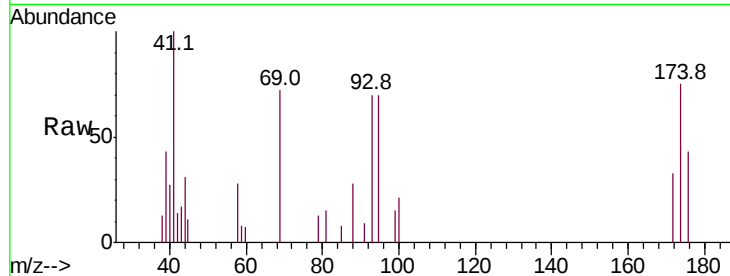
#48
Methvl methacrylate
Concen: 0.956 ug/l
RT: 9.19 min Scan# 2308
Delta R.T. 0.01 min
Lab File: VN056932.D
Acq: 25 Jul 2019 20:28

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT3-2019

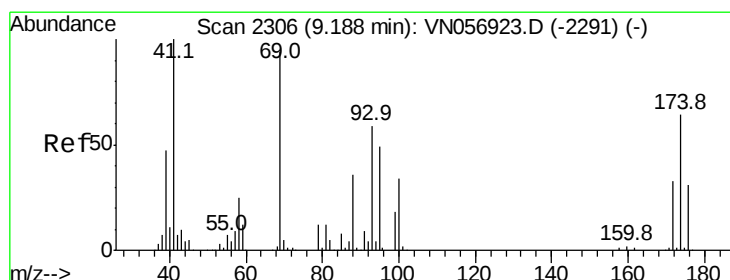
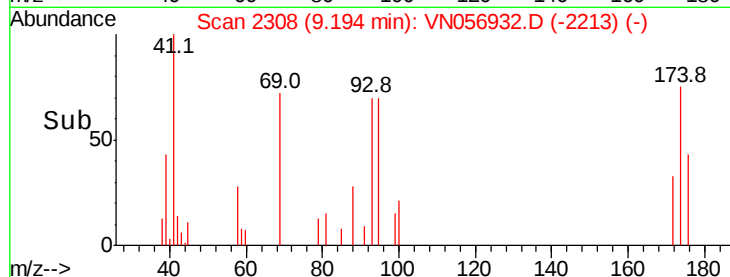
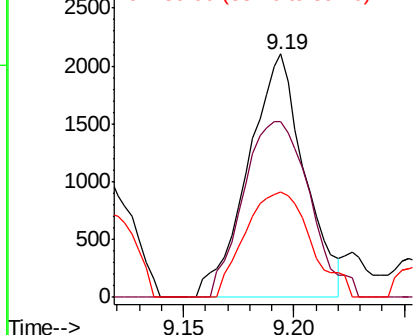
Tot Ion: 41 Resp: 3740
Ion Ratio Lower Upper
41 100
69 84.8 73.4 110.0
39 50.4 40.1 60.1

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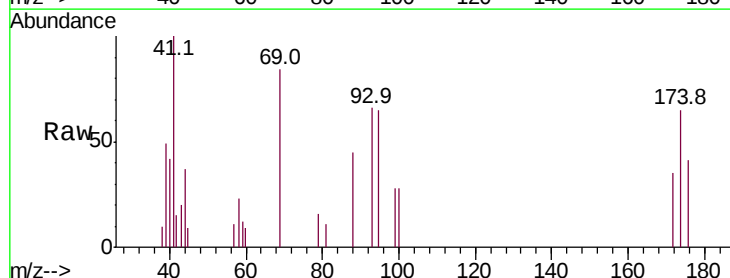


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 39.00 (38.70 to 39.70): VNC

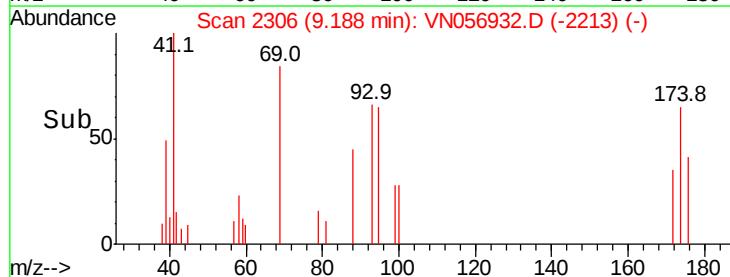
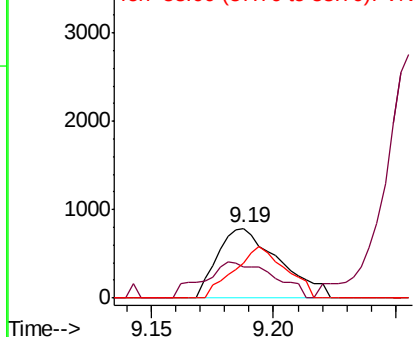


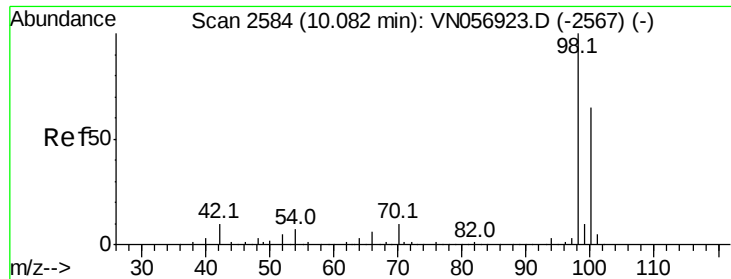
#49
1,4-Dioxane
Concen: 16.923 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. -0.00 min
Lab File: VN056932.D
Acq: 25 Jul 2019 20:28

Tgt Ion: 88 Resp: 1386
Ion Ratio Lower Upper
88 100
43 58.6 21.1 31.7#
58 61.4 52.5 78.7



Abundance Ion 88.00 (87.70 to 88.70): VNC
Ion 43.00 (42.70 to 43.70): VNC
Ion 58.00 (57.70 to 58.70): VNC





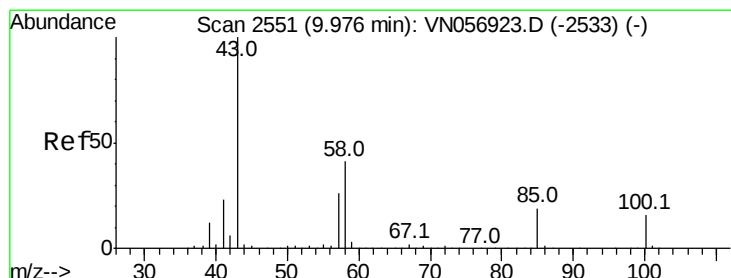
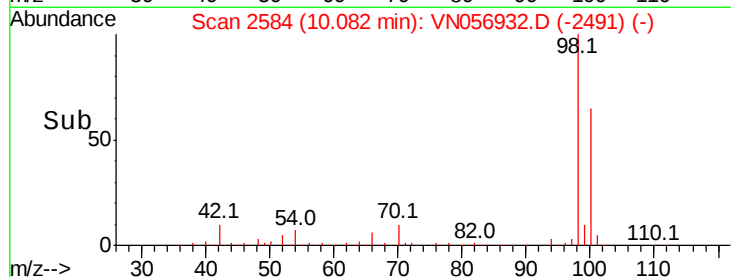
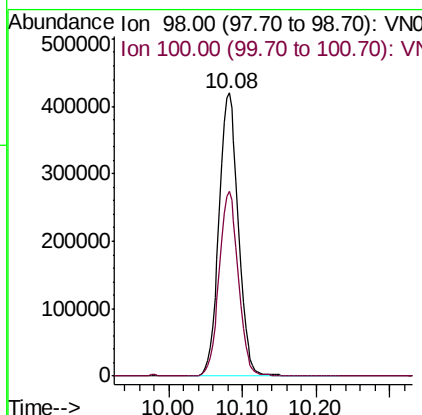
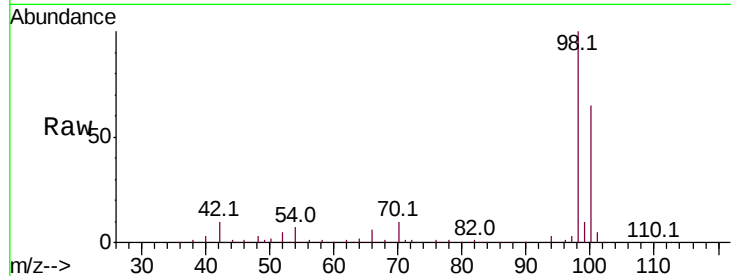
#50
Toluene-d8
Concen: 47.172 ug/l
RT: 10.08 min Scan# 2584
Delta R.T. -0.00 min
Lab File: VN056932.D
Acq: 25 Jul 2019 20:28

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT3-2019

Tot Ion: 98 Resp: 763993
Ion Ratio Lower Upper
98 100
100 65.0 51.4 77.2

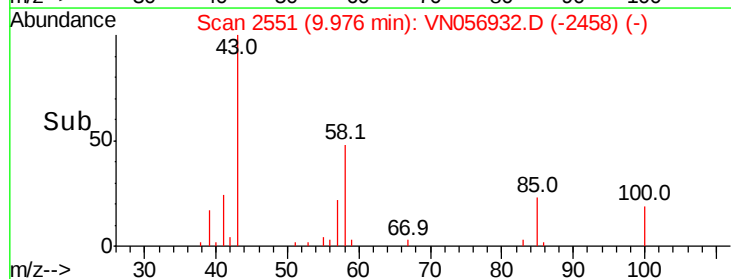
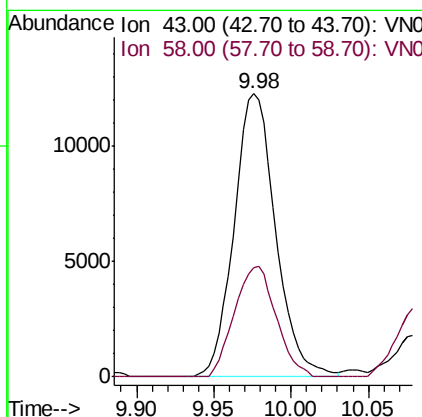
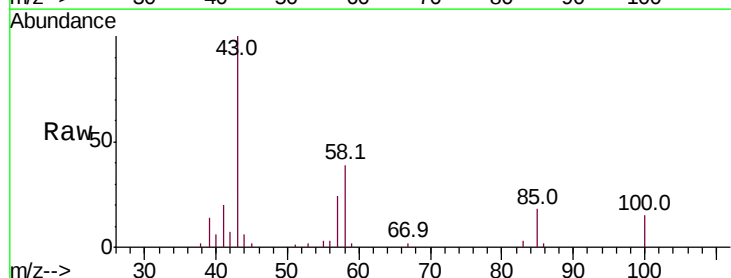
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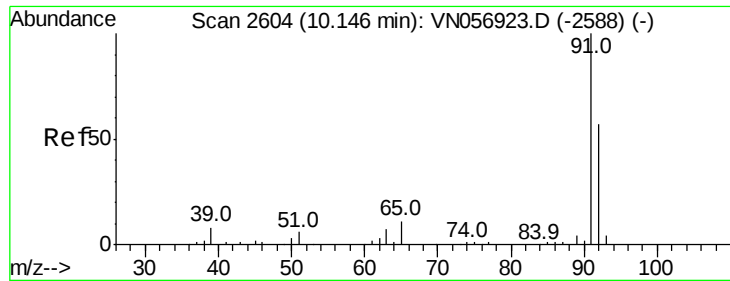
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#51
4-Methyl-2-Pentanone
Concen: 4.735 ug/l
RT: 9.98 min Scan# 2551
Delta R.T. -0.00 min
Lab File: VN056932.D
Acq: 25 Jul 2019 20:28

Tgt Ion: 43 Resp: 22939
Ion Ratio Lower Upper
43 100
58 39.1 32.8 49.2





#52

Toluene

Concen: 1.000 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. -0.00 min

Lab File: VN056932.D

Acq: 25 Jul 2019 20:28

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT3-2019

Tot Ion: 92 Resp: 11436

Ion Ratio Lower Upper

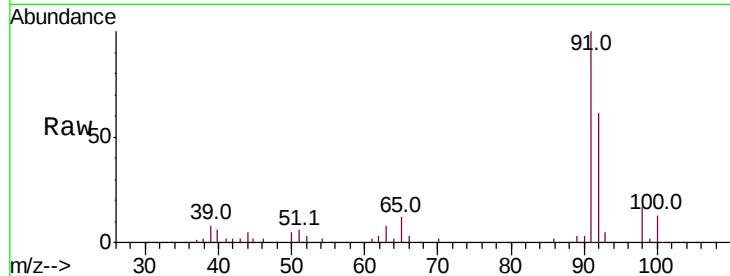
92 100

91 168.2 139.8 209.6

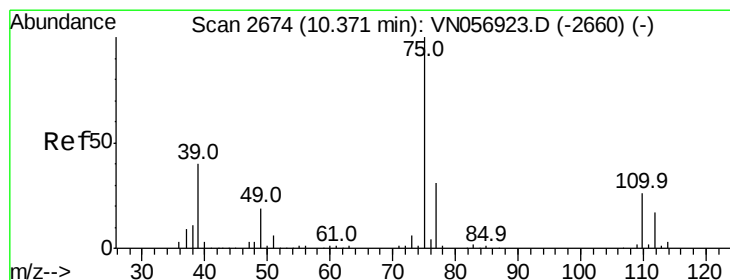
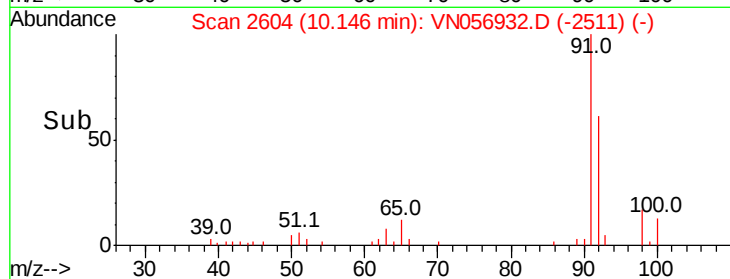
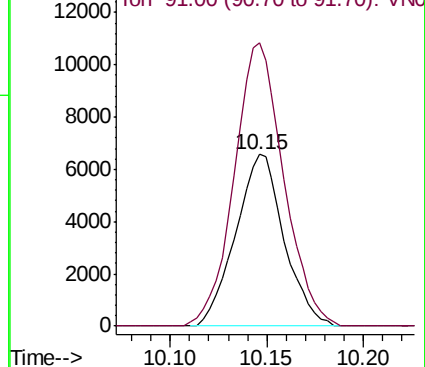
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Abundance Ion 92.00 (91.70 to 92.70): VN056932.D (-2588) (-)



#53

t-1,3-Dichloropropene

Concen: 0.796 ug/l

RT: 10.37 min Scan# 2675

Delta R.T. 0.00 min

Lab File: VN056932.D

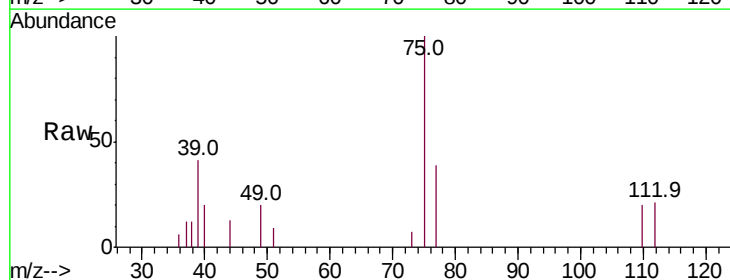
Acq: 25 Jul 2019 20:28

Tgt Ion: 75 Resp: 4838

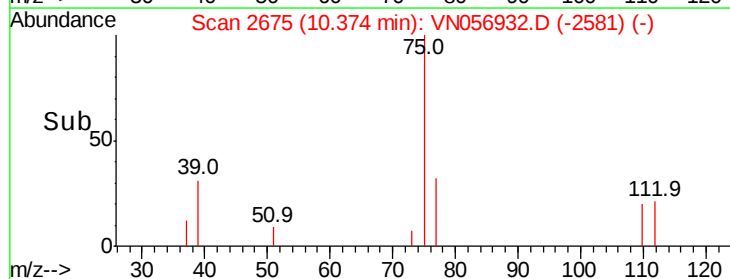
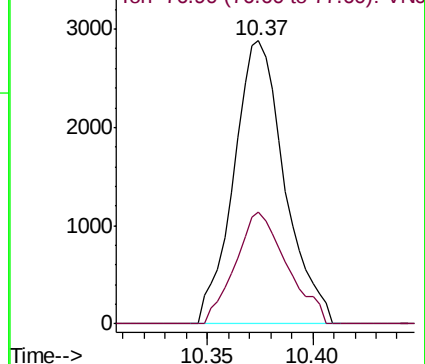
Ion Ratio Lower Upper

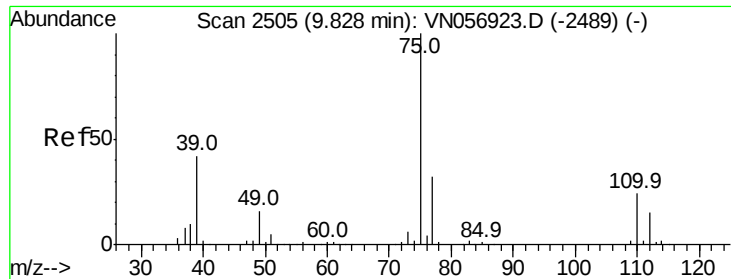
75 100

77 39.4 25.0 37.6#



Abundance Ion 74.90 (74.60 to 75.60): VN056932.D (-2581) (-)





#54

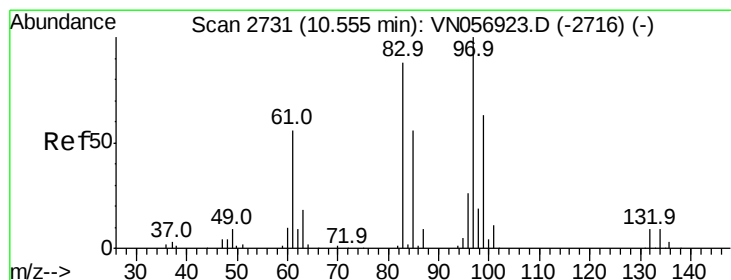
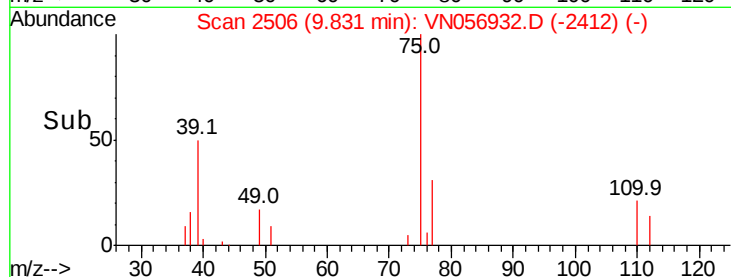
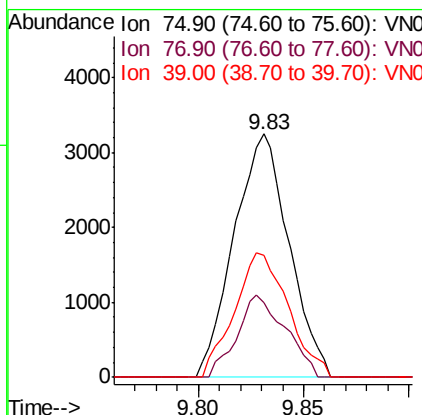
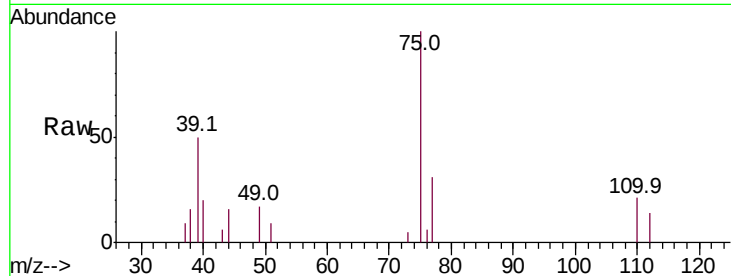
cis-1,3-Dichloropropene
Concen: 0.820 ug/l
RT: 9.83 min Scan# 2506
Delta R.T. 0.00 min
Lab File: VN056932.D
Acq: 25 Jul 2019 20:28

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT3-2019

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.9	25.4	38.0
39	50.0	33.4	50.0

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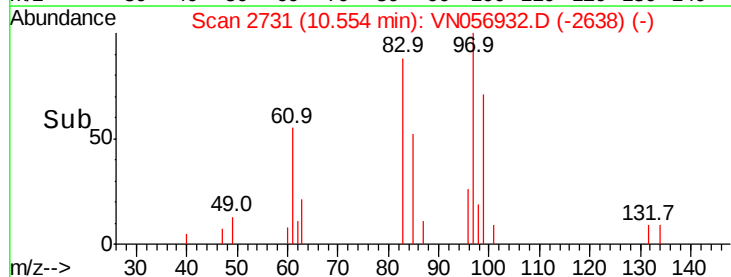
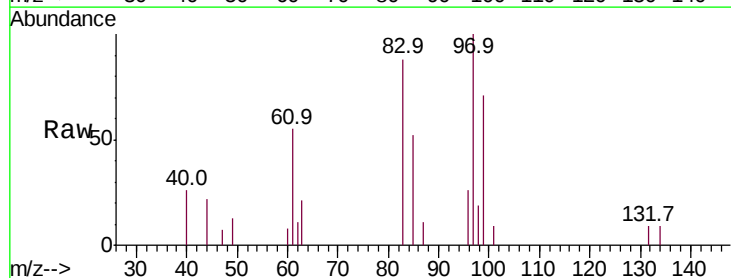
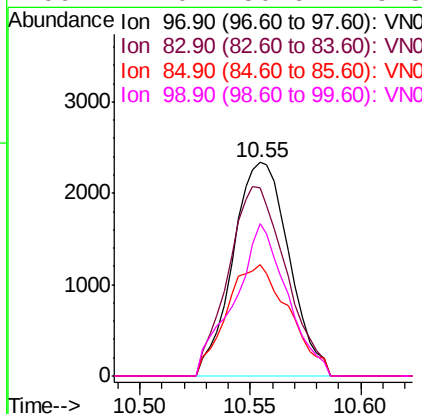
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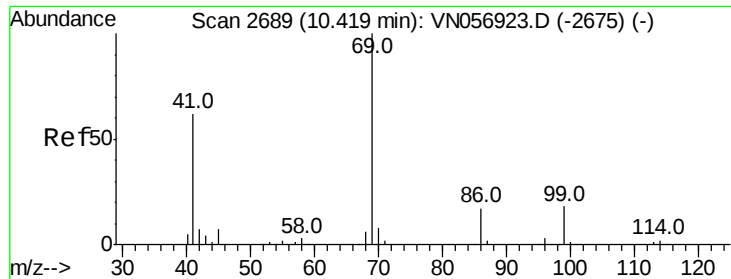


#55

1,1,2-Trichloroethane
Concen: 0.902 ug/l
RT: 10.55 min Scan# 2731
Delta R.T. -0.00 min
Lab File: VN056932.D
Acq: 25 Jul 2019 20:28

Tgt Ion	Ratio	Lower	Upper
97	100		
83	87.9	70.1	105.1
85	52.0	45.1	67.7
99	71.0	50.6	75.8





#56

Ethyl methacrylate

Concen: 0.861 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. 0.01 min

Lab File: VN056932.D

Acq: 25 Jul 2019 20:28

Instrument :

MSVOA_N

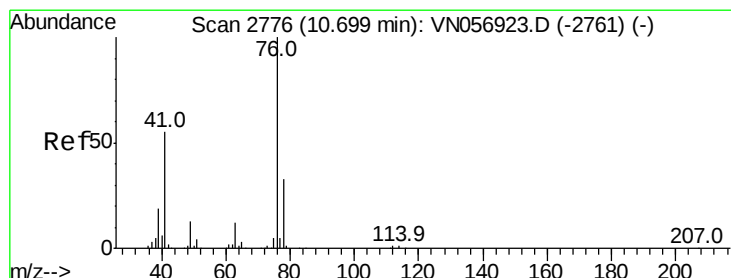
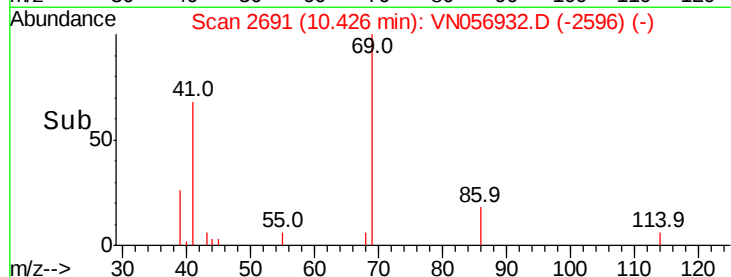
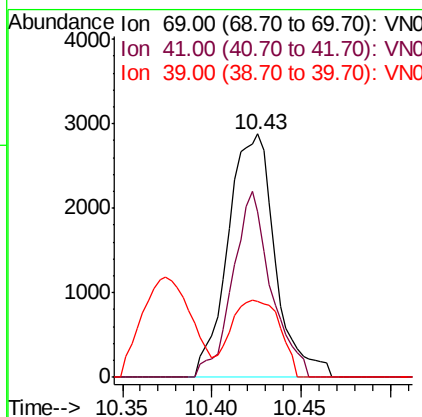
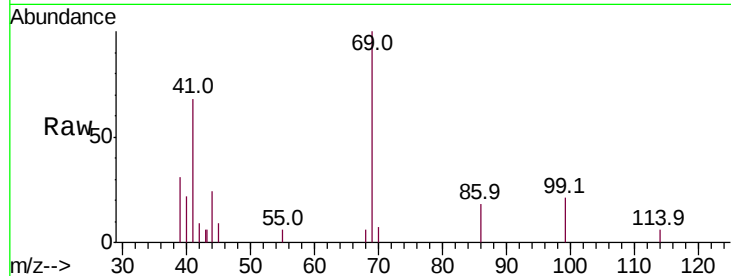
ClientSampleId :

LOQ-WATER-02-QT3-2019

Tot Ion:	69	Resp:	5302
Ion Ratio	Lower	Upper	
69	100		
41	62.1	49.7	74.5
39	33.5	23.6	35.4

Manual Integrations
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#57

1,3-Dichloropropane

Concen: 0.926 ug/l

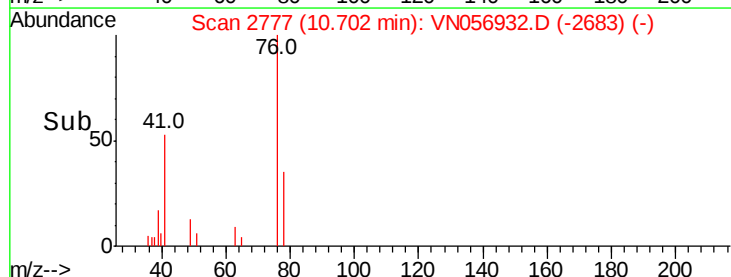
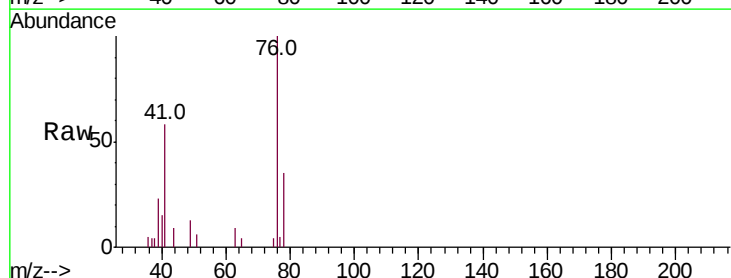
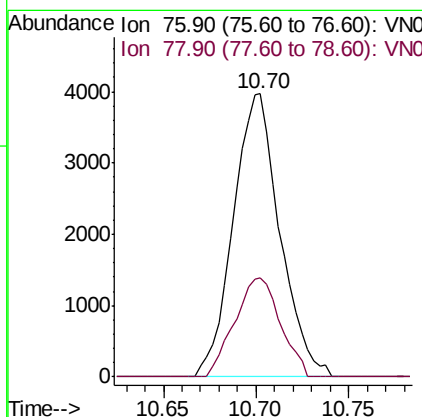
RT: 10.70 min Scan# 2777

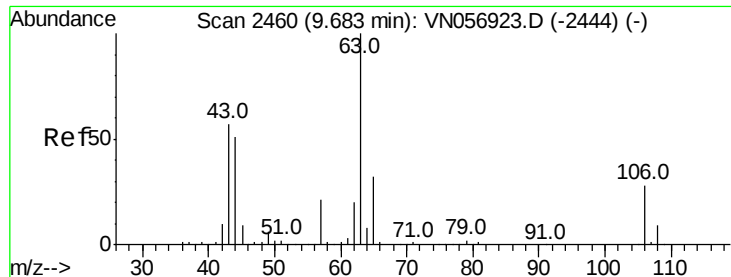
Delta R.T. 0.00 min

Lab File: VN056932.D

Acq: 25 Jul 2019 20:28

Tgt Ion:	76	Resp:	6941
Ion Ratio	Lower	Upper	
76	100		
78	34.2	25.8	38.8





#58

2-Chloroethyl Vinyl ether

Concen: 3.765 ug/l

RT: 9.69 min Scan# 2461

Delta R.T. 0.00 min

Lab File: VN056932.D

Acq: 25 Jul 2019 20:28

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT3-2019

Tot Ion: 63 Resp: 9140

Ion Ratio Lower Upper

63 100

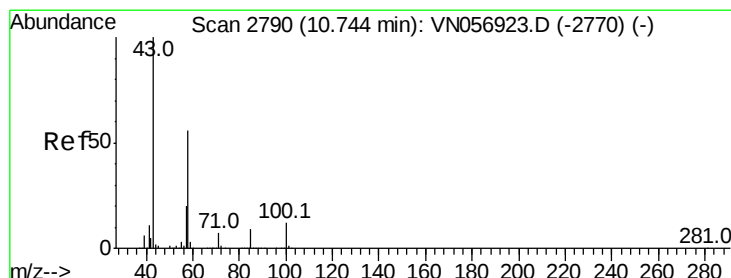
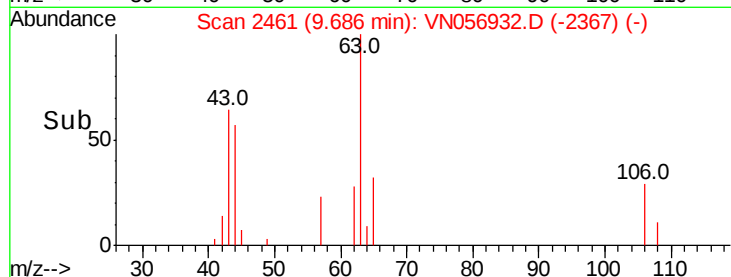
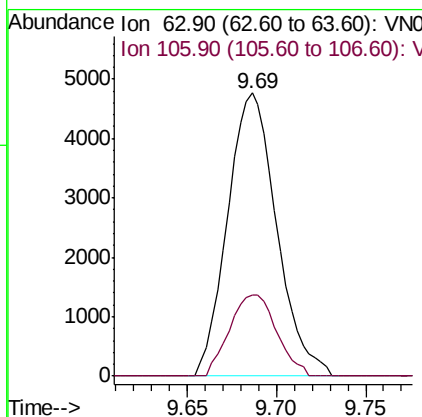
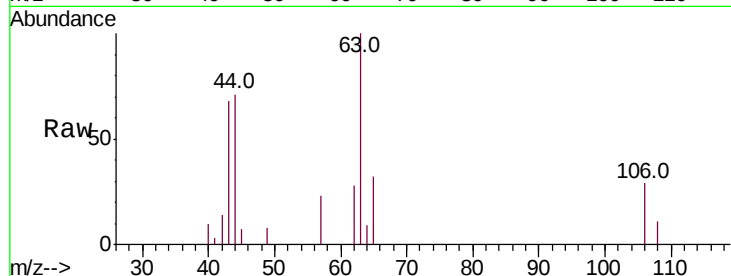
106 27.5 22.2 33.4

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#59

2-Hexanone

Concen: 4.323 ug/l

RT: 10.75 min Scan# 2791

Delta R.T. 0.00 min

Lab File: VN056932.D

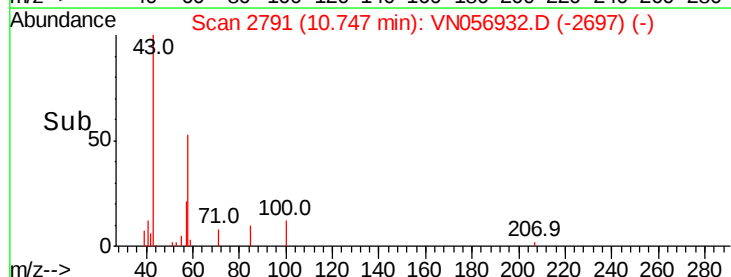
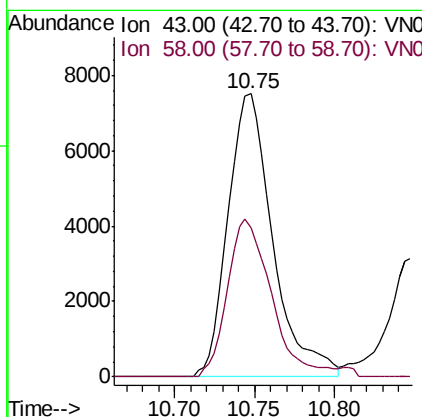
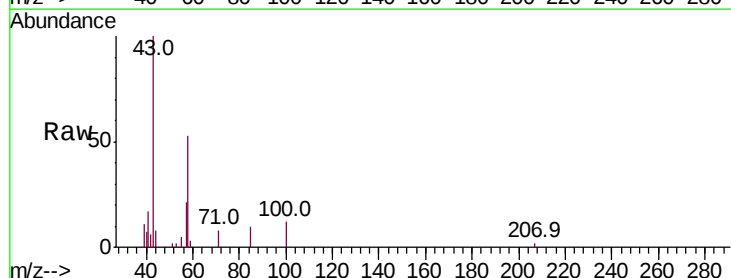
Acq: 25 Jul 2019 20:28

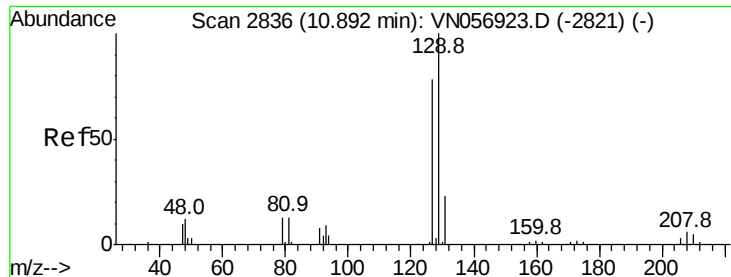
Tgt Ion: 43 Resp: 14356

Ion Ratio Lower Upper

43 100

58 54.8 28.2 84.6





#60

Dibromochloromethane

Concen: 0.796 ug/l

RT: 10.90 min Scan# 2837

Delta R.T. 0.00 min

Lab File: VN056932.D

Acq: 25 Jul 2019 20:28

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT3-2019

Tot Ion:129 Resp: 3703

Ion Ratio Lower Upper

129 100

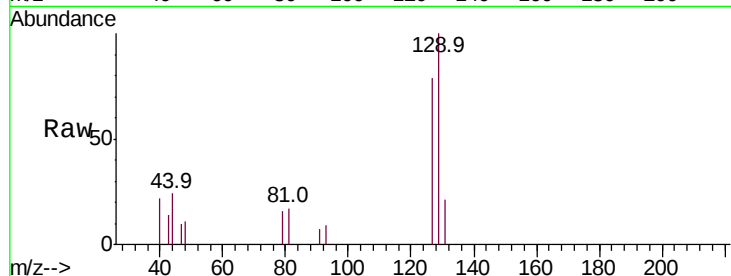
127 79.1 38.4 115.2

Manual Integrations

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Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

2500

2000

1500

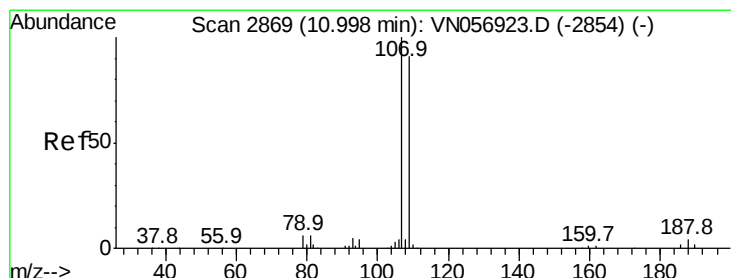
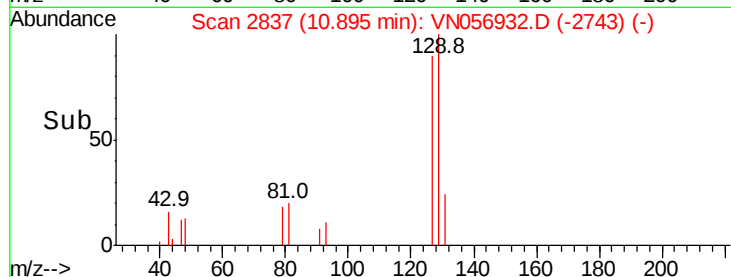
1000

500

0

10.85 10.90

Time-->



#61

1,2-Dibromoethane

Concen: 0.891 ug/l

RT: 11.00 min Scan# 2870

Delta R.T. 0.00 min

Lab File: VN056932.D

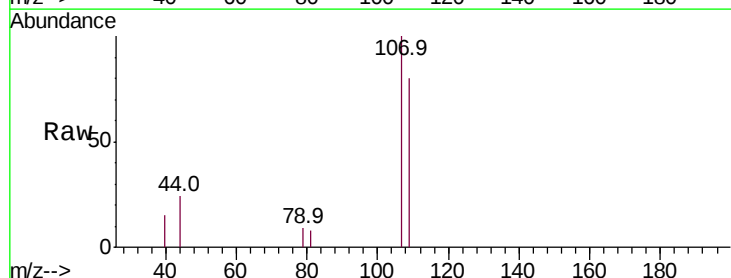
Acq: 25 Jul 2019 20:28

Tgt Ion:107 Resp: 4051

Ion Ratio Lower Upper

107 100

109 90.7 74.8 112.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

2500

2000

1500

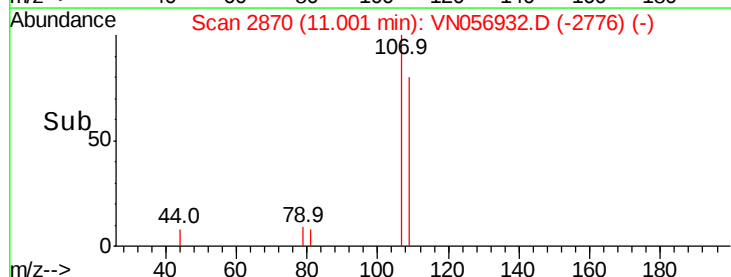
1000

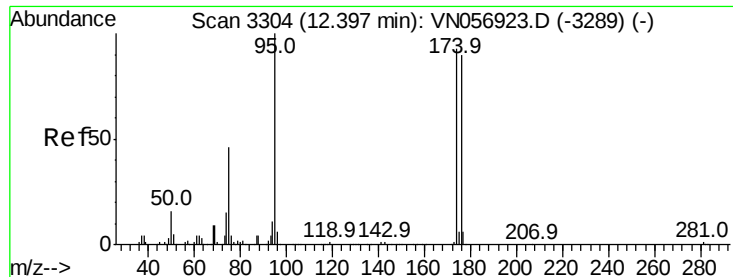
500

0

10.95 11.00 11.05

Time-->





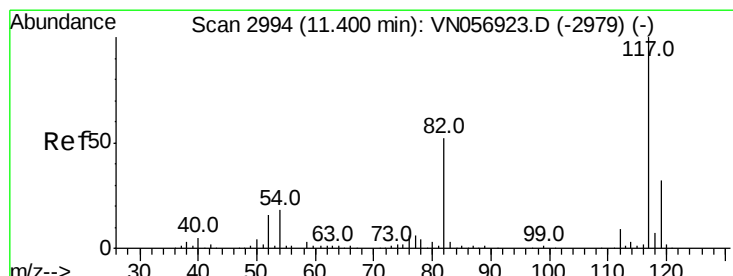
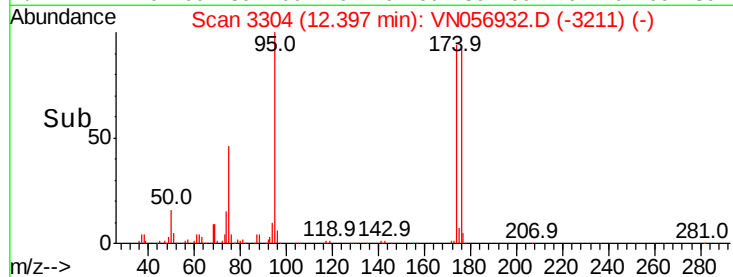
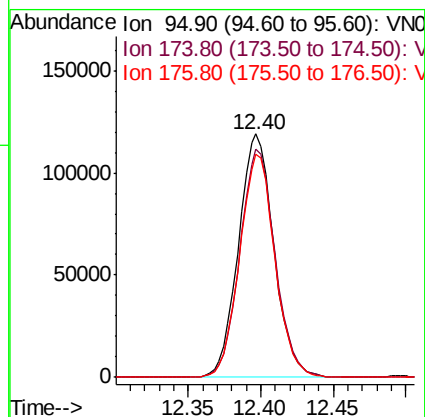
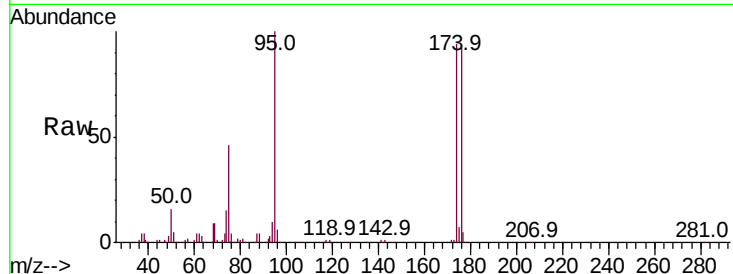
#62
4-Bromofluorobenzene
Concen: 38.190 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. -0.00 min
Lab File: VN056932.D
Acq: 25 Jul 2019 20:28

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT3-2019

Tot Ion: 95 Resp: 201963
Ion Ratio Lower Upper
95 100
174 93.1 0.0 186.2
176 91.2 0.0 179.6

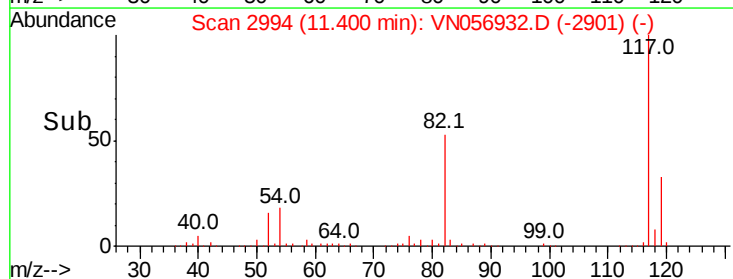
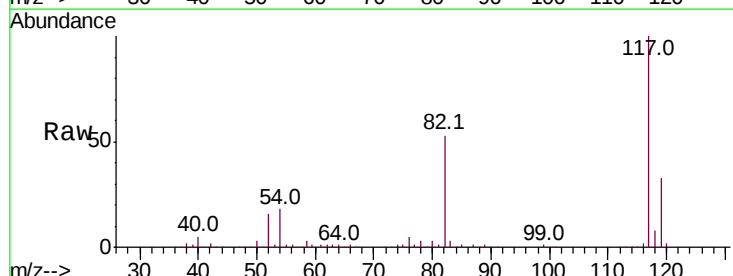
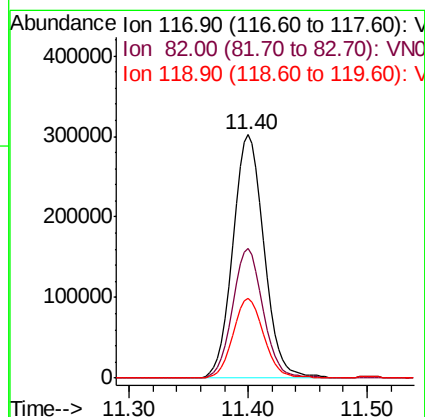
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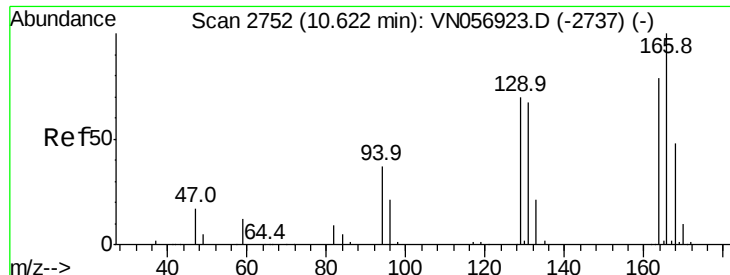
MMDadoda
7/26/2019 3:37:45 PM



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN056932.D
Acq: 25 Jul 2019 20:28

Tgt Ion: 117 Resp: 549061
Ion Ratio Lower Upper
117 100
82 53.4 41.7 62.5
119 32.6 25.5 38.3





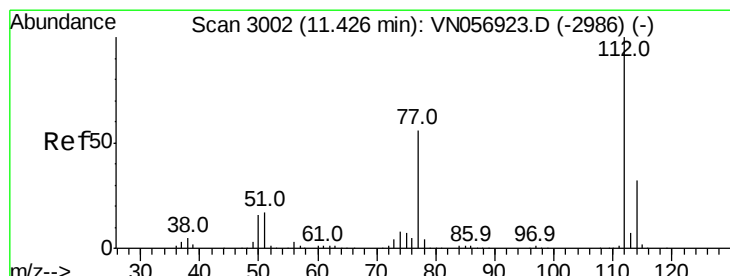
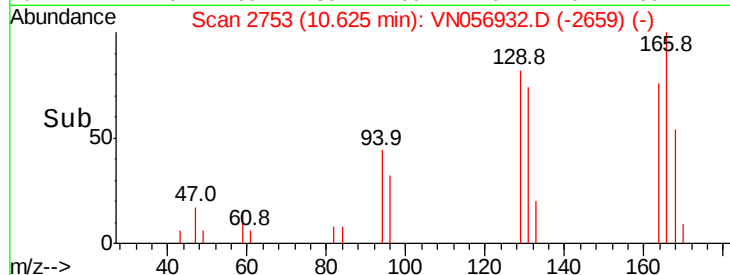
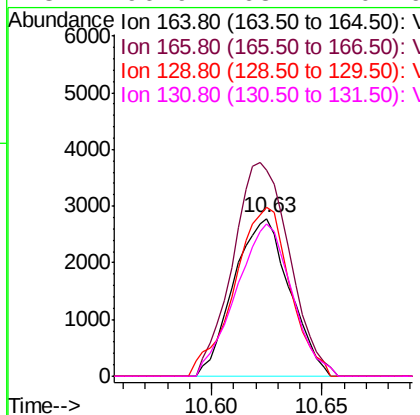
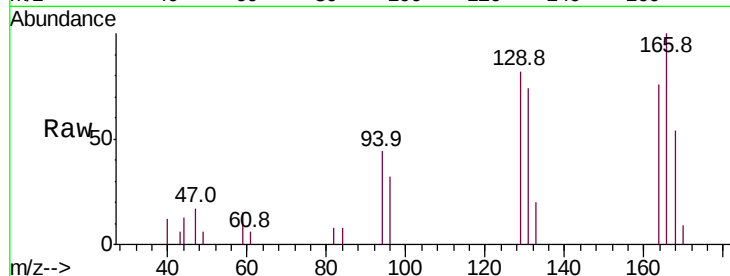
#64
Tetrachloroethene
Concen: 0.974 ug/l
RT: 10.63 min Scan# 2753
Delta R.T. 0.00 min
Lab File: VN056932.D
Acq: 25 Jul 2019 20:28

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT3-2019

Tot Ion	Ratio	Lower	Upper
164	100		
166	130.8	101.6	152.4
129	107.3	70.9	106.3
131	96.9	68.4	102.6

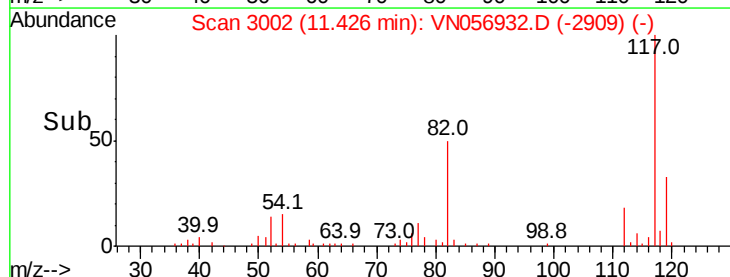
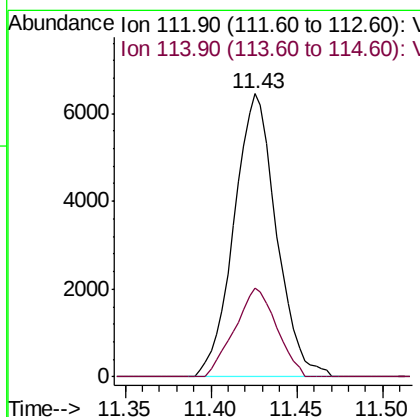
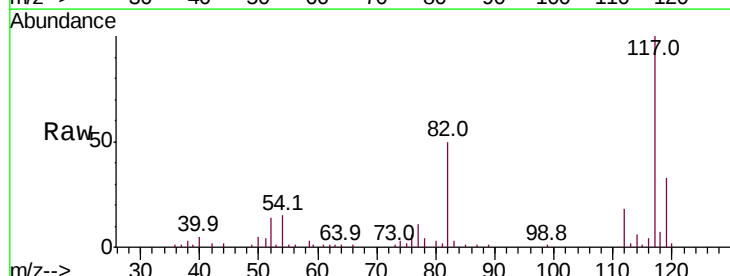
Manual Integrations
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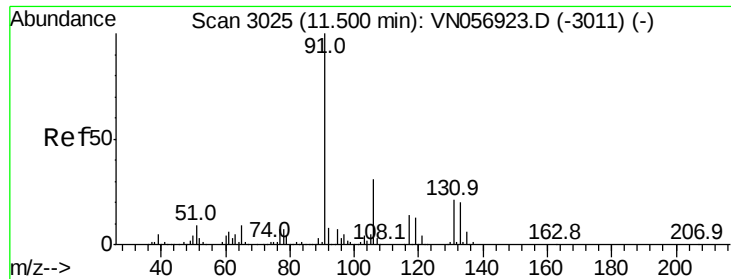
MMDadoda
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#65
Chlorobenzene
Concen: 0.964 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. -0.00 min
Lab File: VN056932.D
Acq: 25 Jul 2019 20:28

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.6	25.8	38.8





#66

1,1,1,2-Tetrachloroethane

Concen: 0.919 ug/l

RT: 11.50 min Scan# 3025

Delta R.T. -0.00 min

Lab File: VN056932.D

Acq: 25 Jul 2019 20:28

Instrument :

MSVOA_N

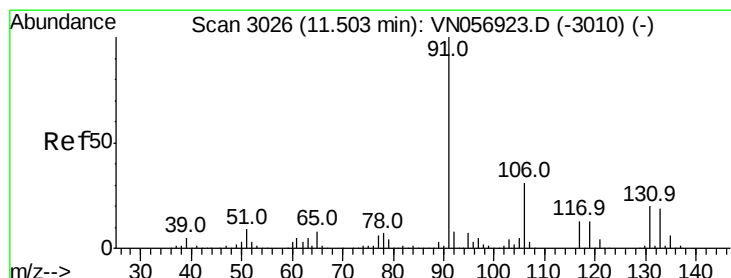
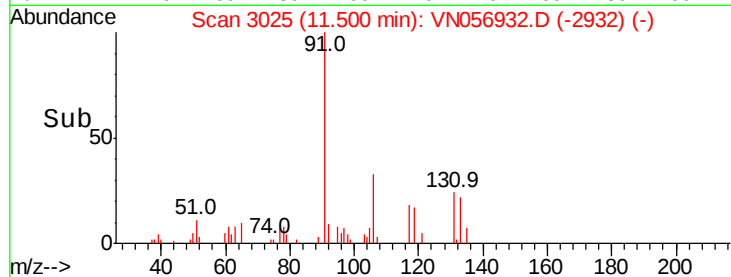
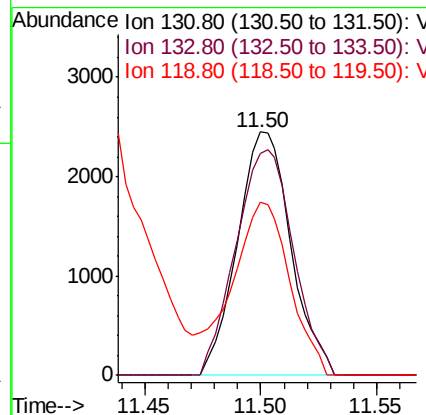
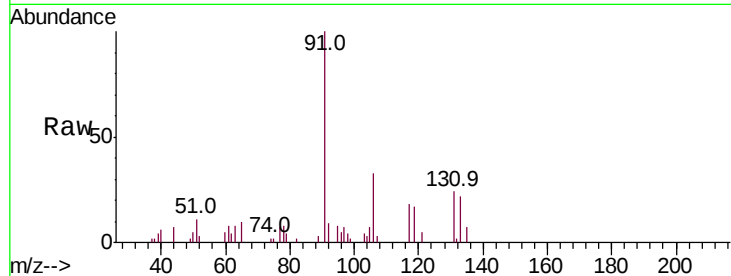
ClientSampleId :

LOQ-WATER-02-QT3-2019

Tot Ion	Ratio	Lower	Upper
131	100		
133	100.0	47.1	141.4
119	0.0	32.6	98.0#

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#67

Ethyl Benzene

Concen: 0.962 ug/l

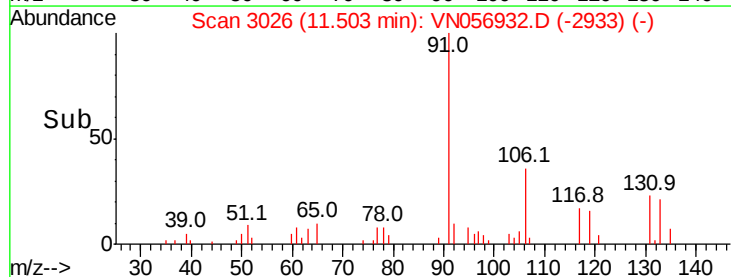
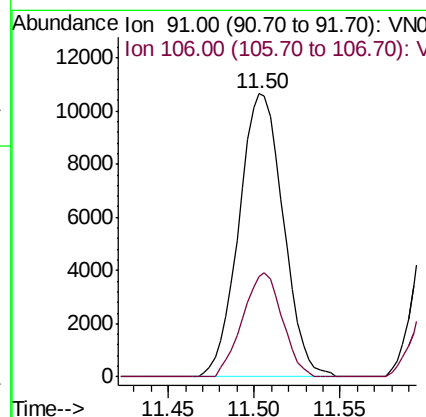
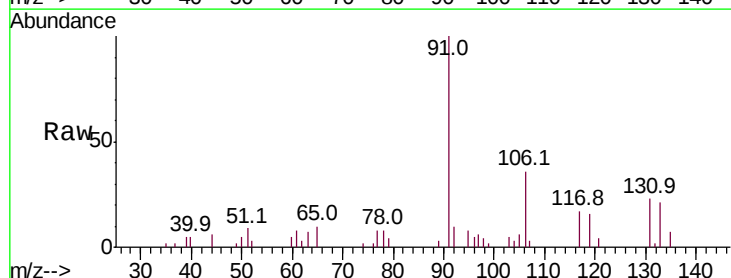
RT: 11.50 min Scan# 3026

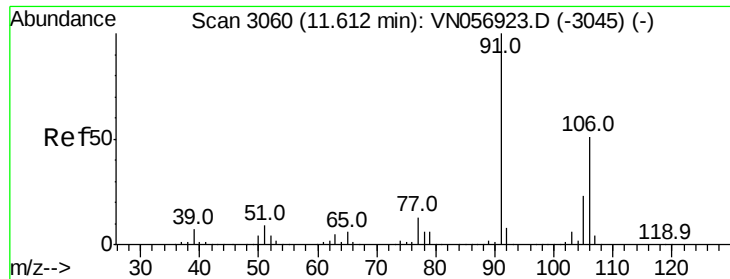
Delta R.T. -0.00 min

Lab File: VN056932.D

Acq: 25 Jul 2019 20:28

Tgt Ion	Ratio	Lower	Upper
91	100		
106	35.6	24.9	37.3





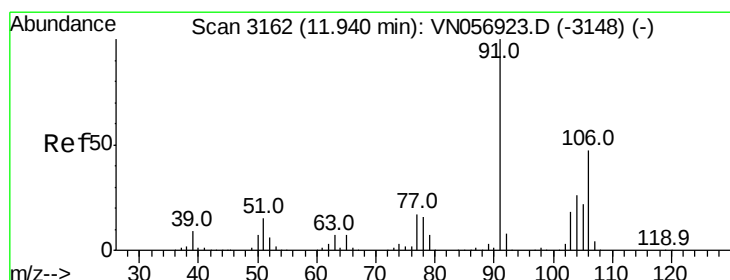
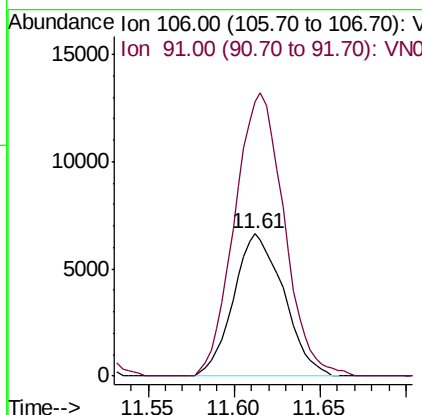
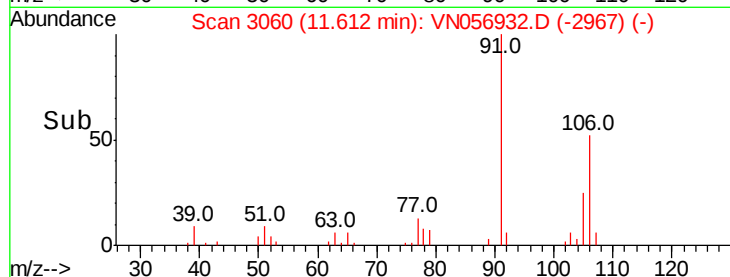
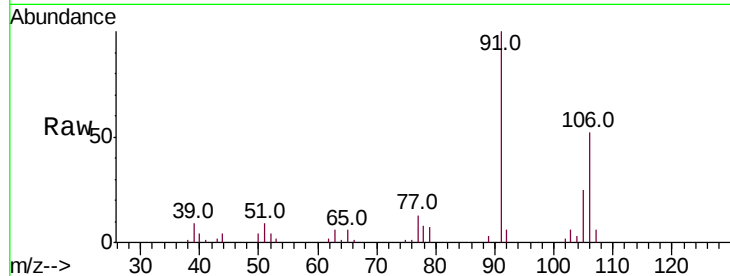
#68
m/p-Xylenes
Concen: 1.821 ug/l
RT: 11.61 min Scan# 3060
Delta R.T. -0.00 min
Lab File: VN056932.D
Acq: 25 Jul 2019 20:28

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT3-2019

Tot Ion:106 Resp: 13427
Ion Ratio Lower Upper
106 100
91 196.6 159.6 239.4

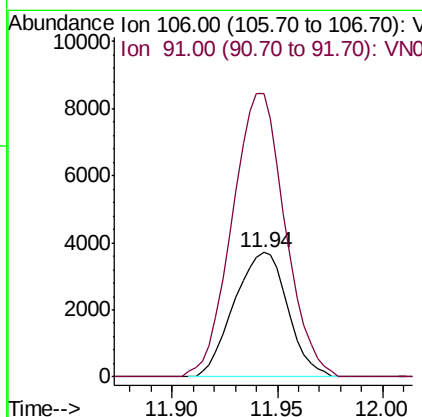
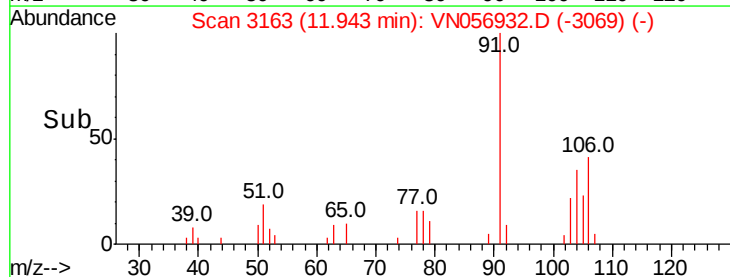
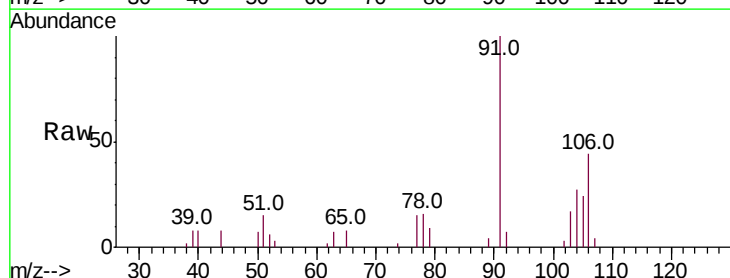
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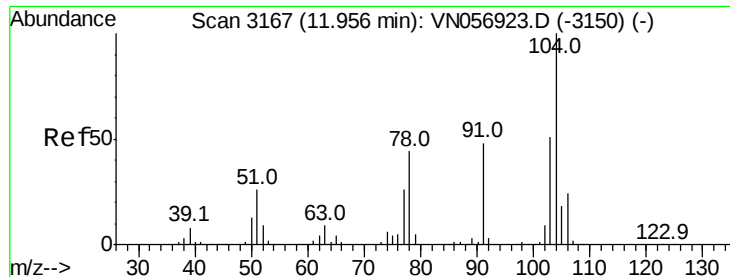
MMDadoda
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#69
o-Xylene
Concen: 0.907 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. 0.00 min
Lab File: VN056932.D
Acq: 25 Jul 2019 20:28

Tgt Ion:106 Resp: 6547
Ion Ratio Lower Upper
106 100
91 225.1 105.7 317.0





#70

Stvrene

Concen: 0.771 ug/l

RT: 11.96 min Scan# 3167

Delta R.T. 0.00 min

Lab File: VN056932.D

Acq: 25 Jul 2019 20:28

Instrument :

MSVOA_N

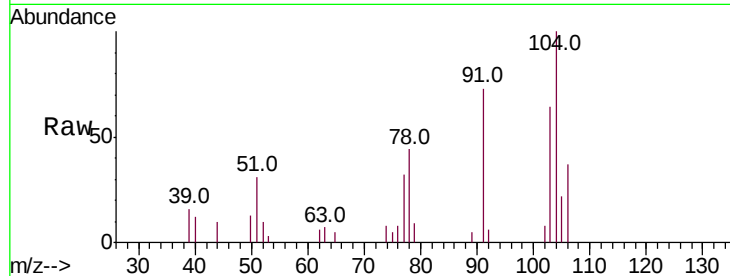
ClientSampleId :

LOQ-WATER-02-QT3-2019

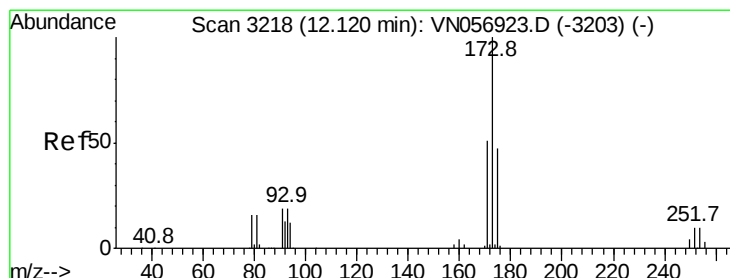
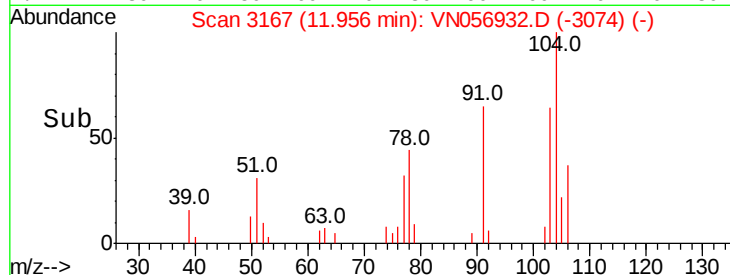
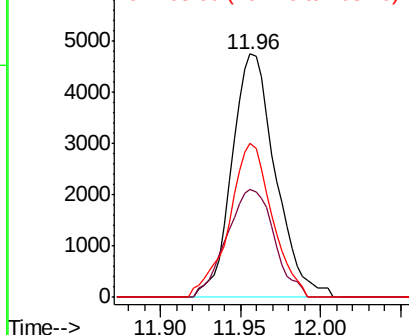
Tot Ion:	104	Resp:	8819
Ion Ratio	Lower	Upper	
104	100		
78	48.3	38.5	57.7
103	62.3	44.1	66.1

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Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V



#71

Bromoform

Concen: 0.831 ug/l

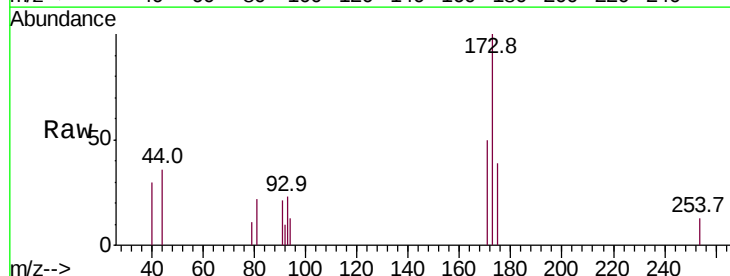
RT: 12.12 min Scan# 3218

Delta R.T. -0.00 min

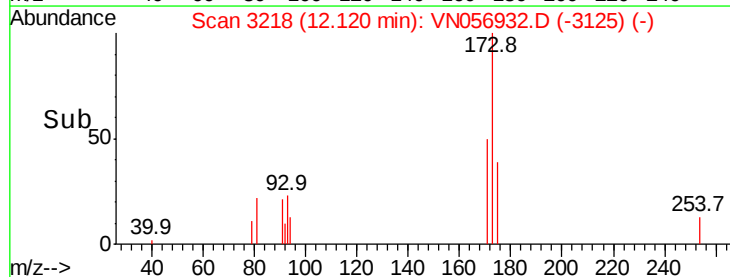
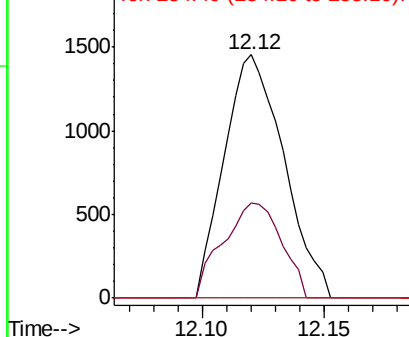
Lab File: VN056932.D

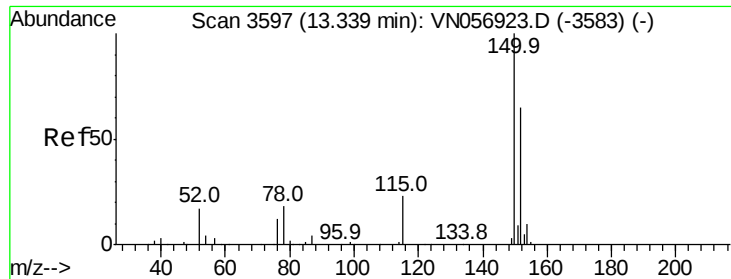
Acq: 25 Jul 2019 20:28

Tgt Ion:	173	Resp:	2466
Ion Ratio	Lower	Upper	
173	100		
175	38.2	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: VN056932.D

Acq: 25 Jul 2019 20:28

Instrument :

MSVOA_N

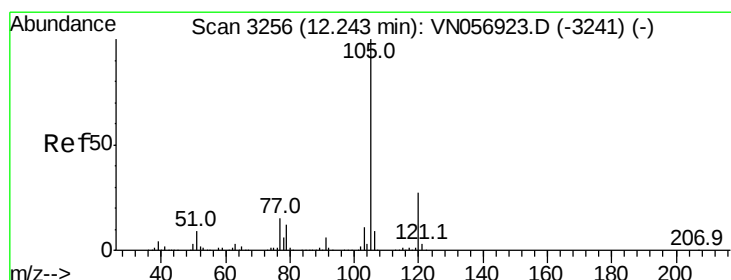
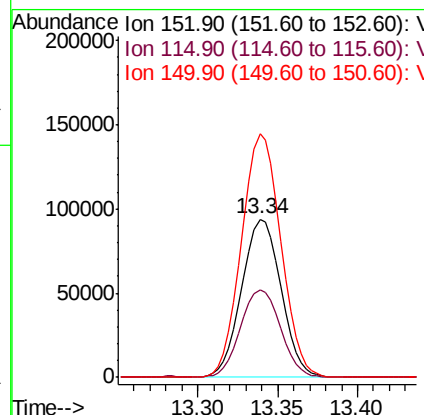
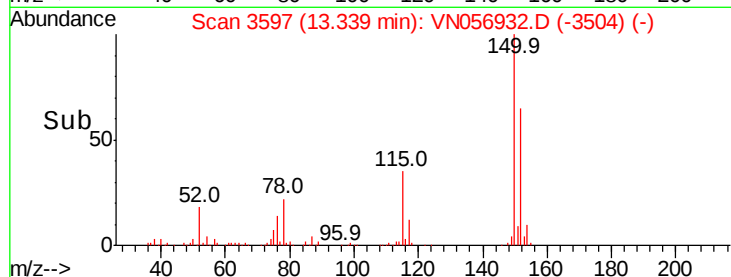
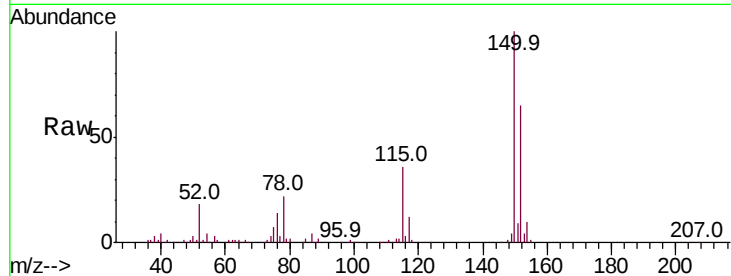
ClientSampleId :

LOQ-WATER-02-QT3-2019

Tot Ion:	152	Resp:	157876
Ion Ratio	Lower	Upper	
152	100		
115	56.2	27.9	83.7
150	153.8	0.0	354.2

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#73

Isopropylbenzene

Concen: 1.142 ug/l

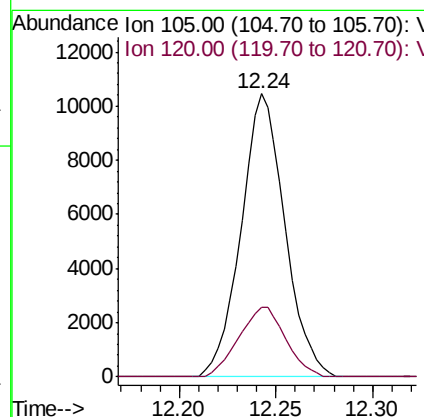
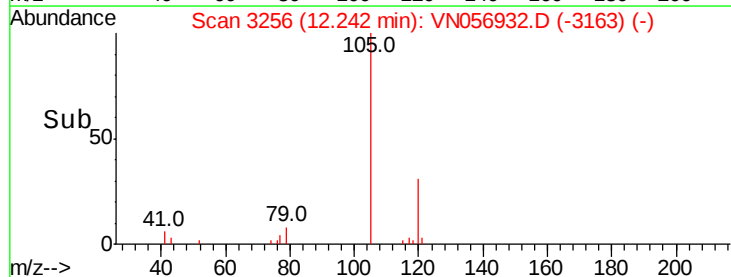
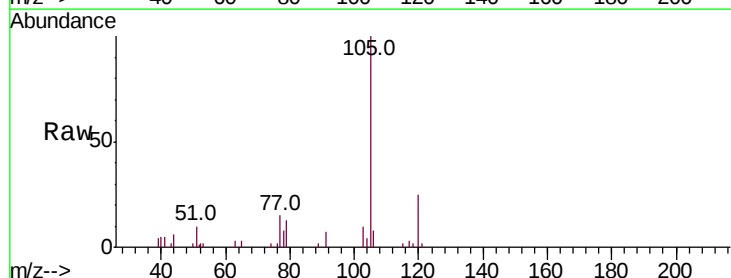
RT: 12.24 min Scan# 3256

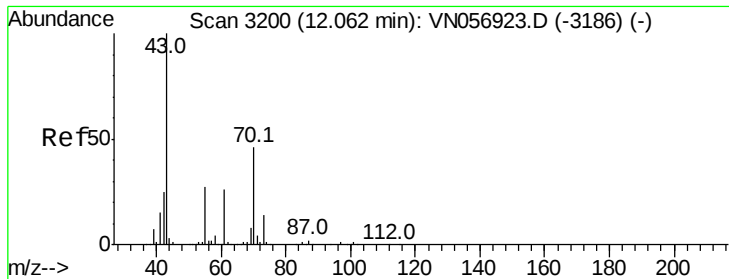
Delta R.T. 0.00 min

Lab File: VN056932.D

Acq: 25 Jul 2019 20:28

Tgt Ion:	105	Resp:	16410
Ion Ratio	Lower	Upper	
105	100		
120	26.3	13.4	40.1





#74

N-amvl acetate

Concen: 1.222 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.01 min

Lab File: VN056932.D

Acq: 25 Jul 2019 20:28

Instrument :

MSVOA_N

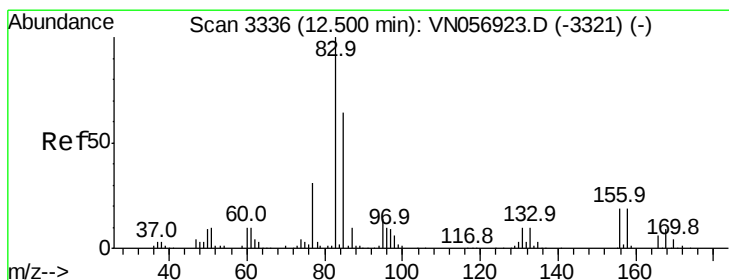
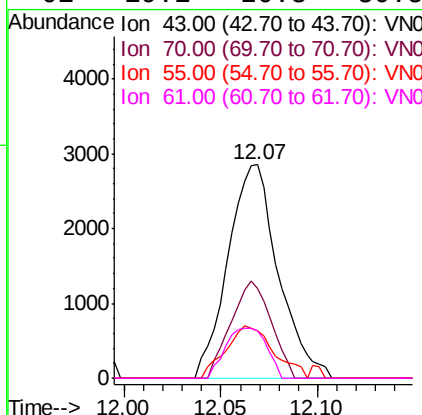
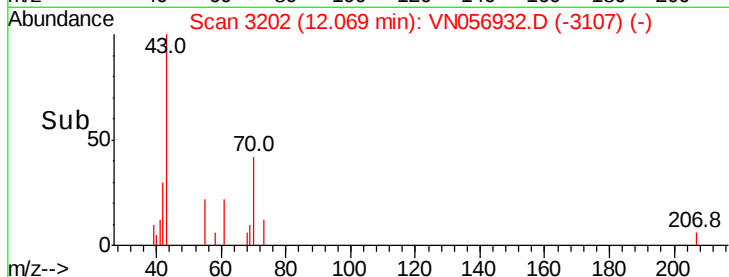
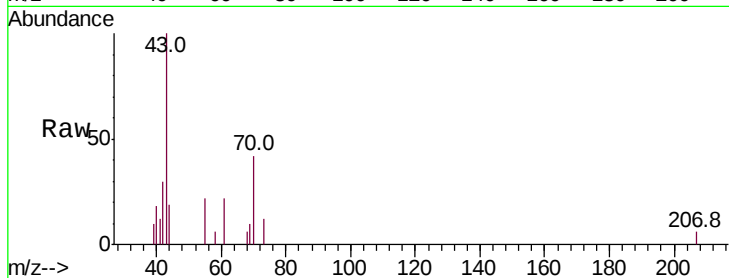
ClientSampleId :

LOQ-WATER-02-QT3-2019

Tot Ion:	43	Resp:	5153
Ion	Ratio	Lower	Upper
43	100		
70	36.3	35.9	53.9
55	23.3	21.4	32.2
61	19.1	20.3	30.5#

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#75

1,1,2,2-Tetrachloroethane

Concen: 1.270 ug/l

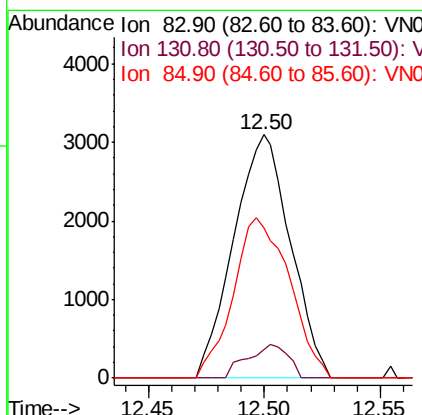
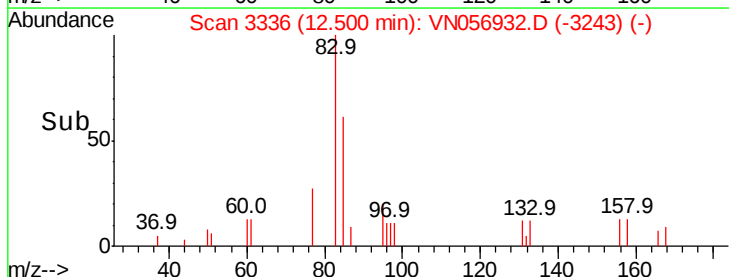
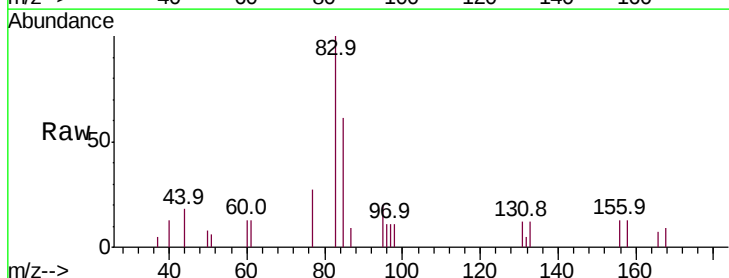
RT: 12.50 min Scan# 3336

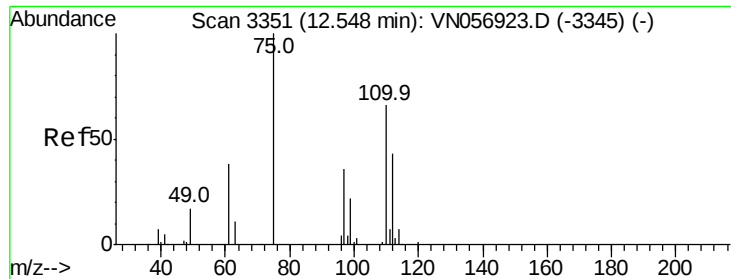
Delta R.T. 0.00 min

Lab File: VN056932.D

Acq: 25 Jul 2019 20:28

Tgt Ion:	83	Resp:	5258
Ion	Ratio	Lower	Upper
83	100		
131	9.8	5.3	15.8
85	65.2	32.3	96.9





#76

1,2,3-Trichloropropane

Concen: 1.236 ug/l m

RT: 12.55 min Scan# 3352

Delta R.T. 0.00 min

Lab File: VN056932.D

Acq: 25 Jul 2019 20:28

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT3-2019

Tot Ion: 75 Resp: 3906

Ion Ratio Lower Upper

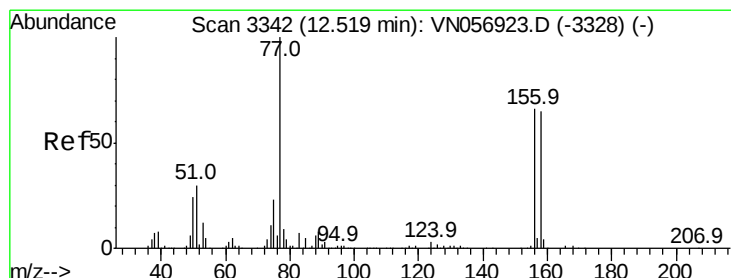
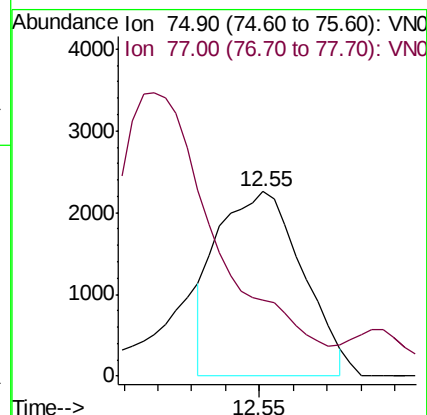
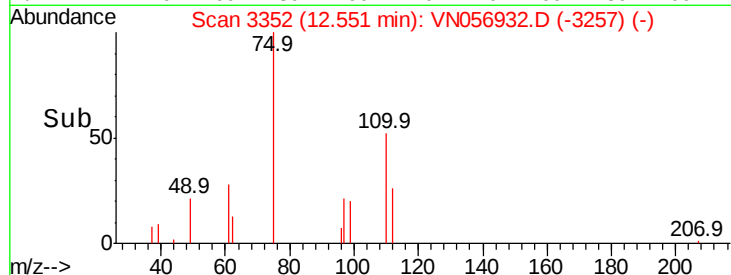
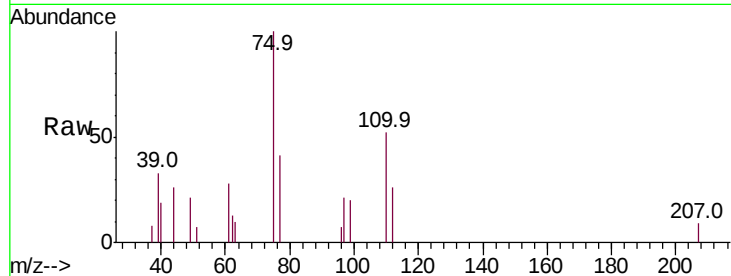
75 100

77 0.0 0.0 0.0

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#77

Bromobenzene

Concen: 1.149 ug/l

RT: 12.52 min Scan# 3341

Delta R.T. -0.00 min

Lab File: VN056932.D

Acq: 25 Jul 2019 20:28

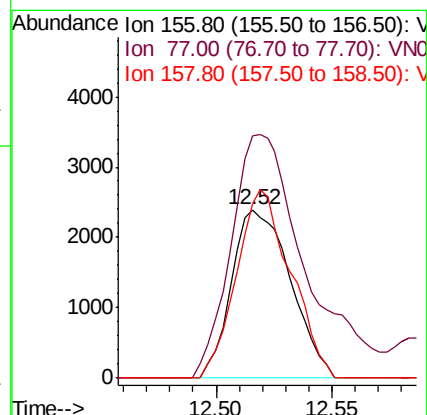
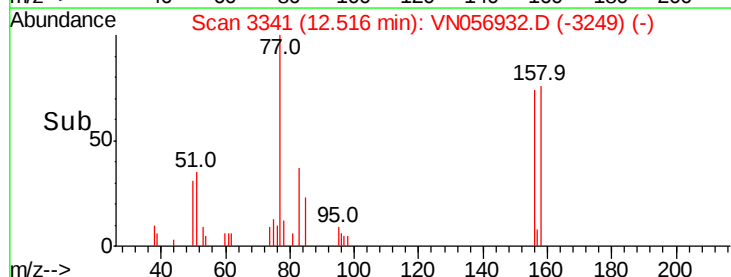
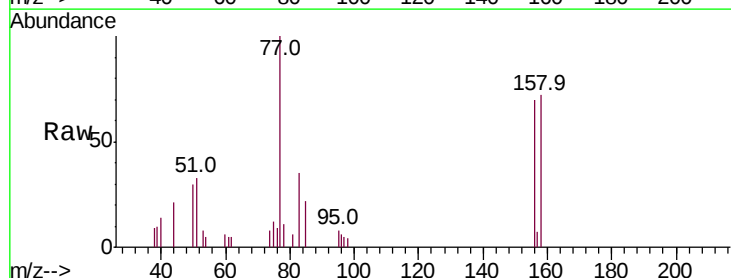
Tgt Ion: 156 Resp: 4219

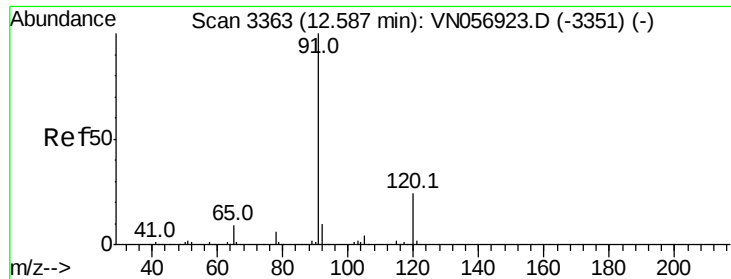
Ion Ratio Lower Upper

156 100

77 181.9 90.8 272.3

158 103.1 49.5 148.5





#78

n-propylbenzene

Concen: 1.146 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN056932.D

Acq: 25 Jul 2019 20:28

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT3-2019

Tot Ion: 91 Resp: 17387

Ion Ratio Lower Upper

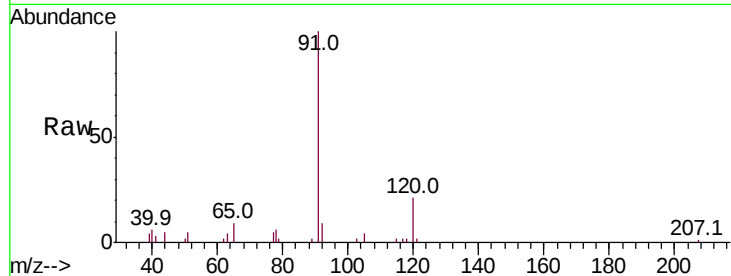
91 100

120 22.6 11.9 35.7

Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): VN056923.D (-3351) (-)

Ion 120.00 (119.70 to 120.70): VN056923.D (-3351) (-)

12000

10000

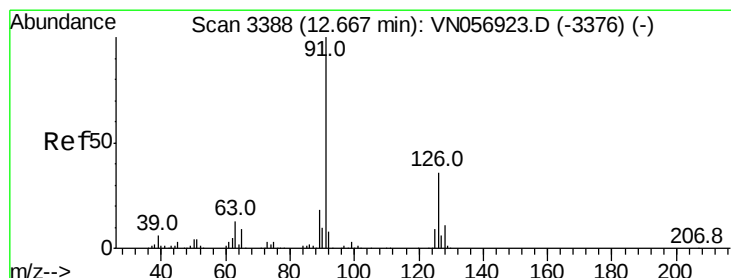
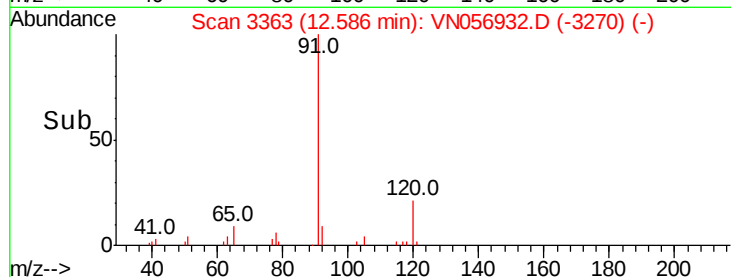
8000

6000

4000

2000

Time-->



#79

2-Chlorotoluene

Concen: 1.181 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VN056932.D

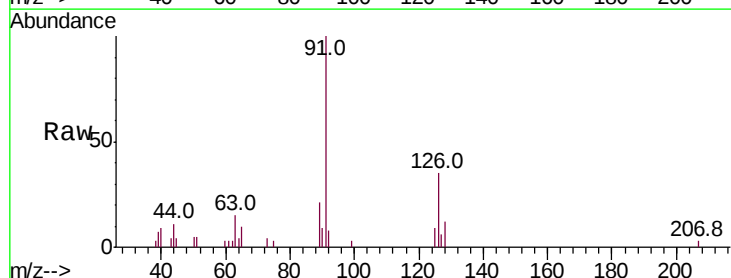
Acq: 25 Jul 2019 20:28

Tgt Ion: 91 Resp: 11157

Ion Ratio Lower Upper

91 100

126 33.4 17.9 53.7



Abundance Ion 91.00 (90.70 to 91.70): VN056923.D (-3376) (-)

Ion 125.90 (125.60 to 126.60): VN056923.D (-3376) (-)

10000

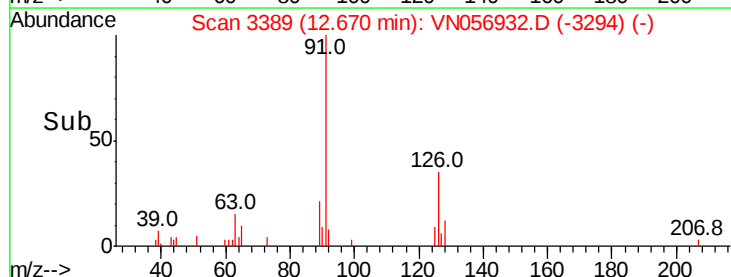
8000

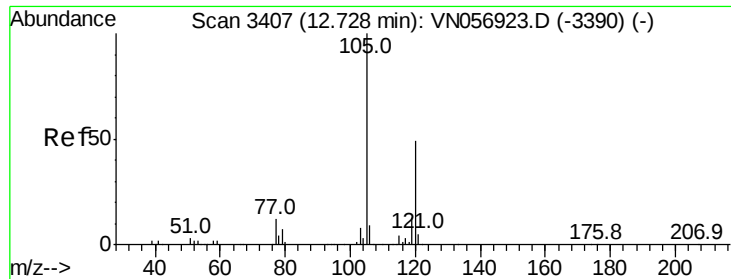
6000

4000

2000

Time-->





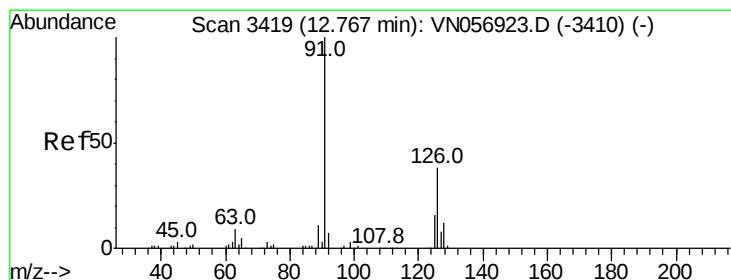
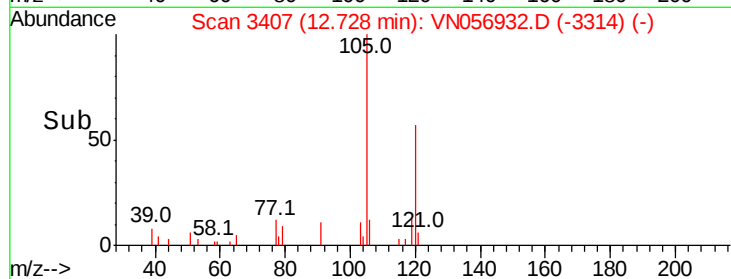
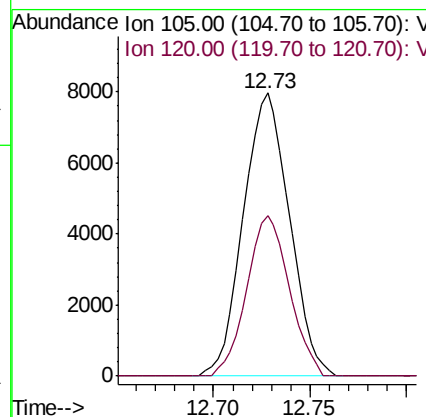
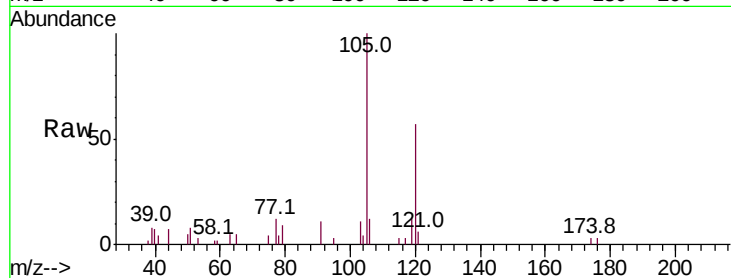
#80
 1,3,5-Trimethylbenzene
 Concen: 1.113 ug/l
 RT: 12.73 min Scan# 3407
 Delta R.T. -0.00 min
 Lab File: VN056932.D
 Acq: 25 Jul 2019 20:28

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT3-2019

Tot Ion	Ratio	Lower	Upper
105	100		
120	52.2	24.9	74.7

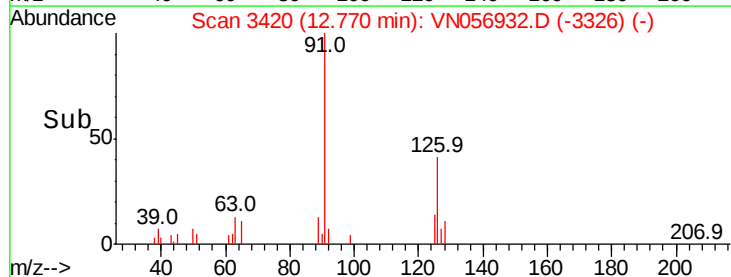
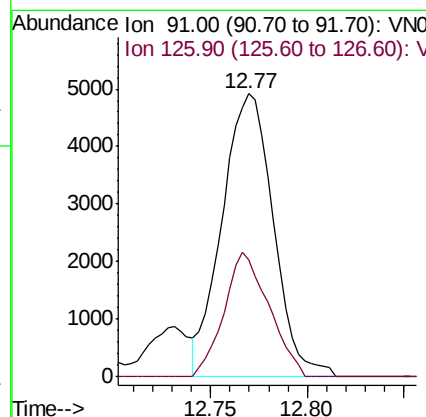
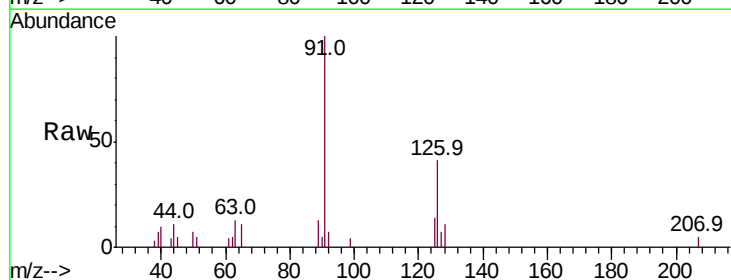
Manual Integrations
 APPROVED

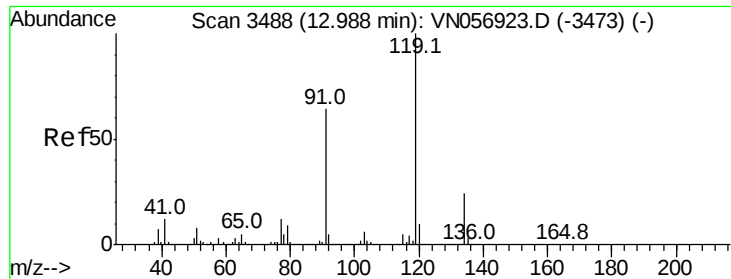
MMDadoda
 7/26/2019 3:37:45 PM



#82
 4-Chlorotoluene
 Concen: 1.045 ug/l
 RT: 12.77 min Scan# 3420
 Delta R.T. 0.00 min
 Lab File: VN056932.D
 Acq: 25 Jul 2019 20:28

Tgt Ion	Ratio	Lower	Upper
91	100		
126	38.3	17.3	51.7





#83

tert-Butylbenzene

Concen: 1.278 ug/l

RT: 12.99 min Scan# 3488

Delta R.T. 0.00 min

Lab File: VN056932.D

Acq: 25 Jul 2019 20:28

Instrument :

MSVOA_N

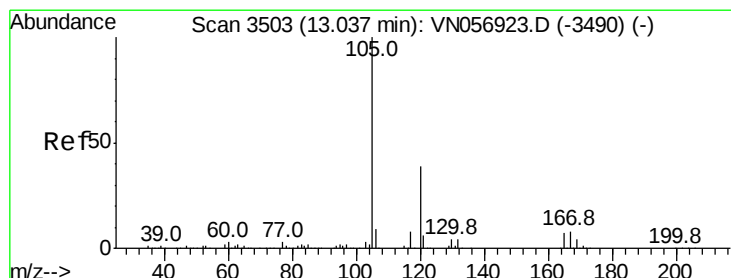
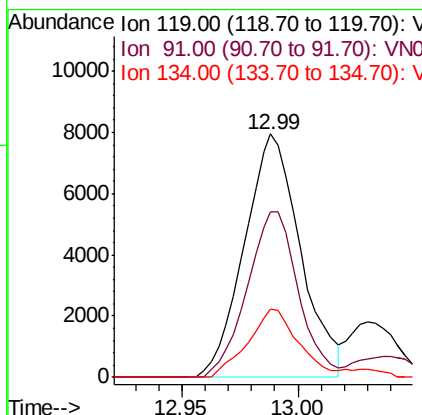
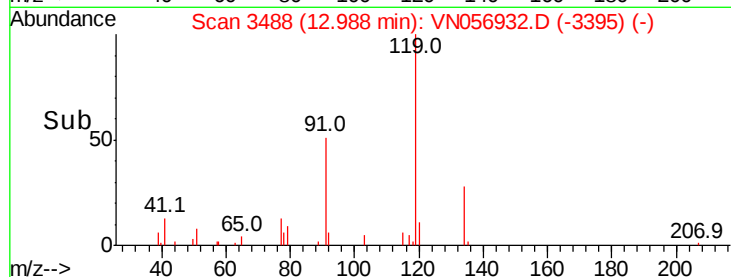
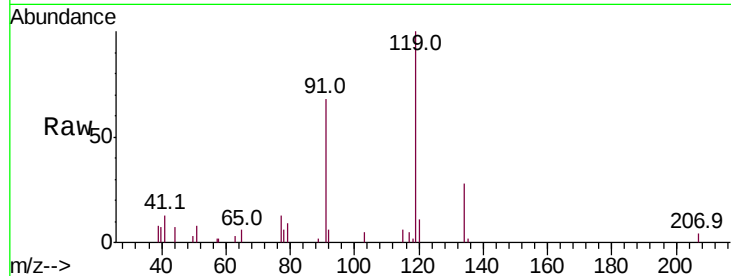
ClientSampleId :

LOQ-WATER-02-QT3-2019

Tot Ion:	119	Resp:	13362
Ion Ratio	Lower	Upper	
119	100		
91	62.2	31.6	95.0
134	25.2	13.2	39.5

Manual Integrations
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MMDadoda
7/26/2019 3:37:45 PM



#84

1,2,4-Trimethylbenzene

Concen: 1.072 ug/l

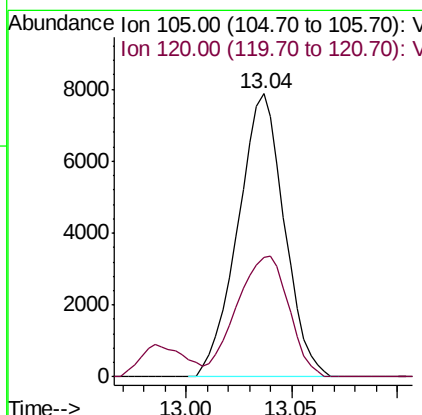
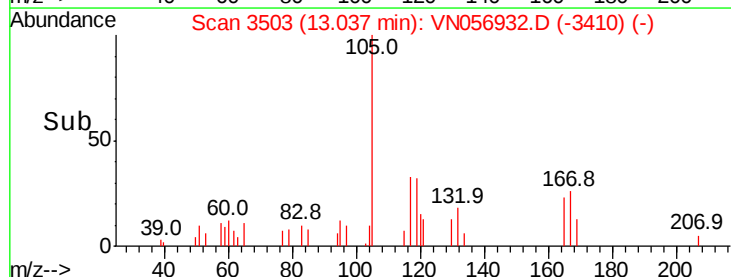
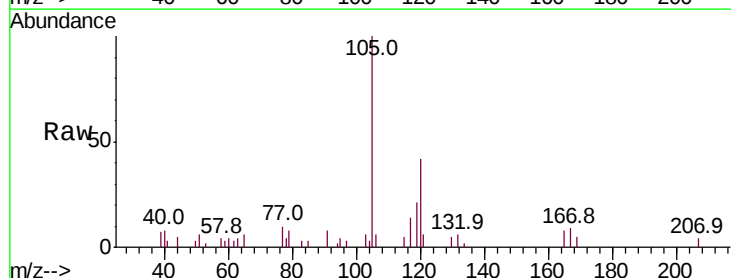
RT: 13.04 min Scan# 3503

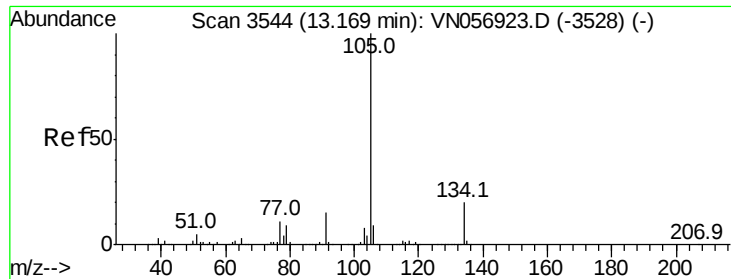
Delta R.T. -0.00 min

Lab File: VN056932.D

Acq: 25 Jul 2019 20:28

Tgt Ion:	105	Resp:	12041
Ion Ratio	Lower	Upper	
105	100		
120	48.1	23.1	69.2





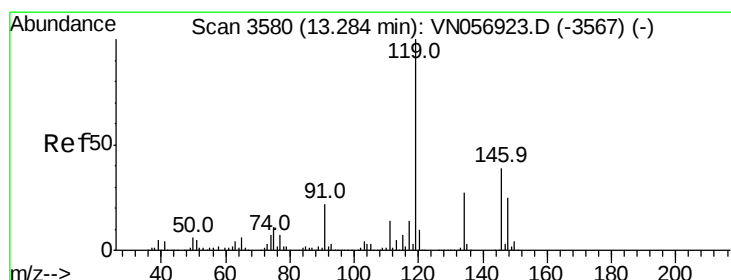
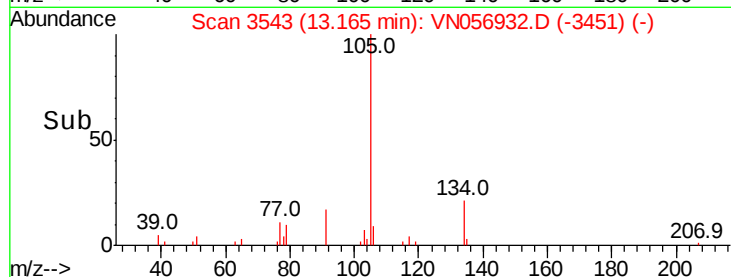
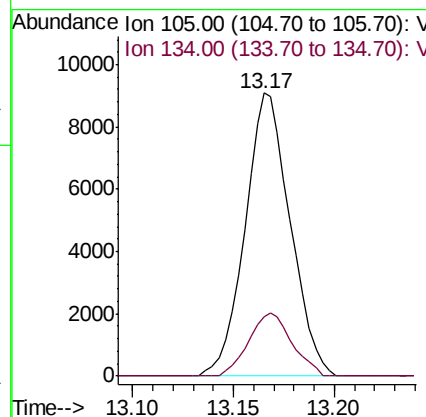
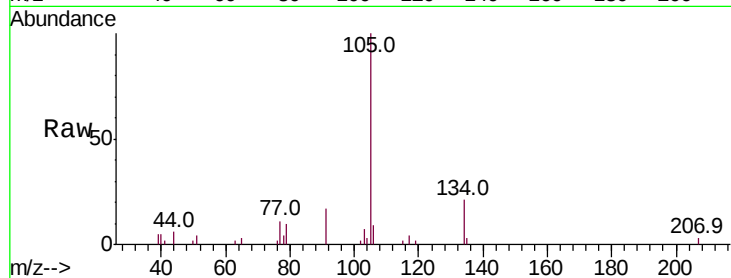
#85
 sec-Butylbenzene
 Concen: 1.072 ug/l
 RT: 13.17 min Scan# 3543
 Delta R.T. -0.00 min
 Lab File: VN056932.D
 Acq: 25 Jul 2019 20:28

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT3-2019

Tot Ion	Ratio	Lower	Upper
105	100		
134	21.4	10.3	30.8

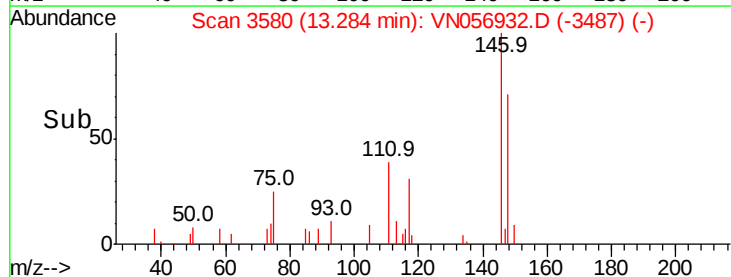
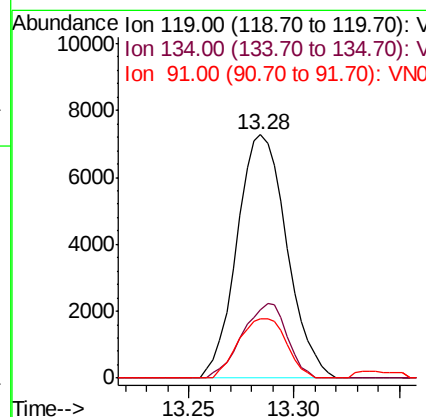
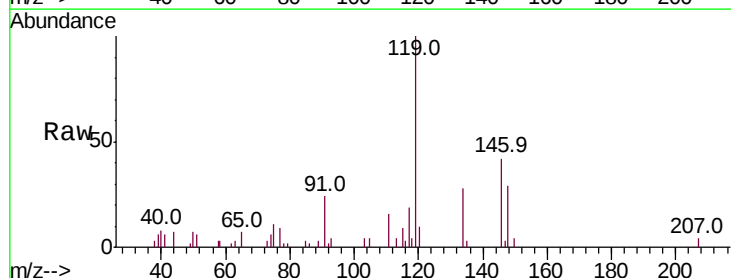
Manual Integrations
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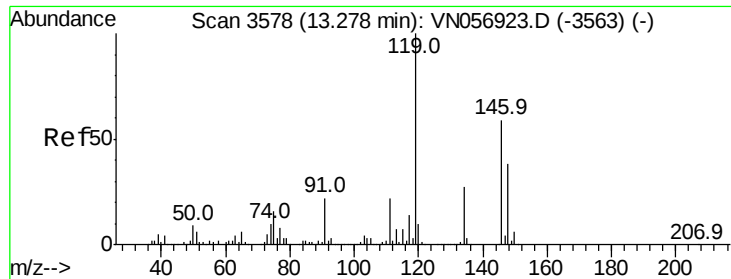
MMDadoda
 7/26/2019 3:37:45 PM



#86
 p-Isopropyltoluene
 Concen: 1.022 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN056932.D
 Acq: 25 Jul 2019 20:28

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.6	13.5	40.5
91	23.5	11.0	33.0





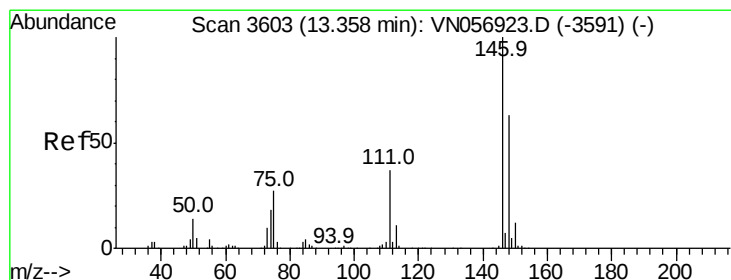
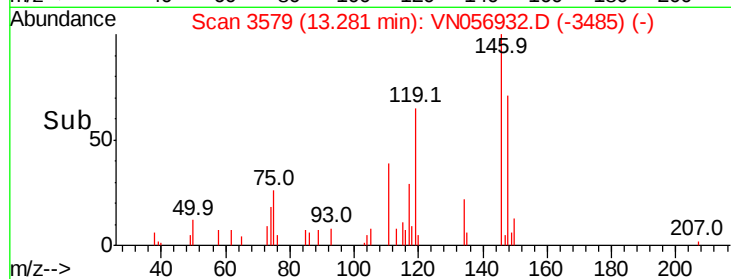
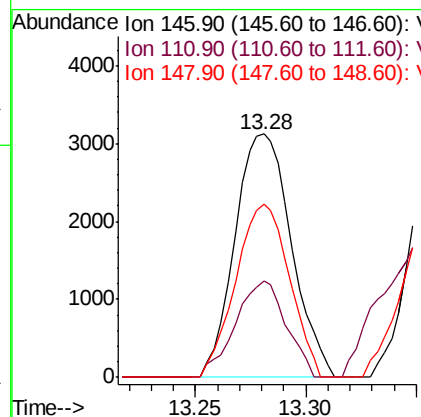
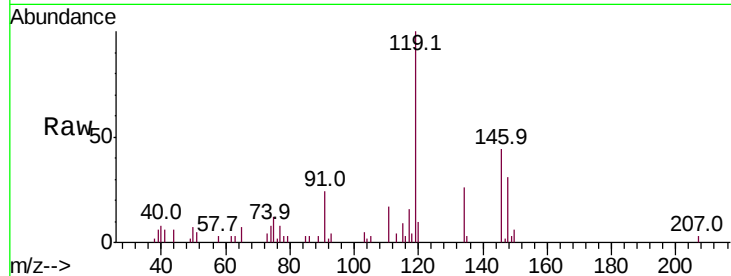
#87
 1,3-Dichlorobenzene
 Concen: 1.006 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN056932.D
 Acq: 25 Jul 2019 20:28

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT3-2019

Tot Ion	Ratio	Lower	Upper
146	100		
111	35.7	18.6	56.0
148	67.6	31.6	94.7

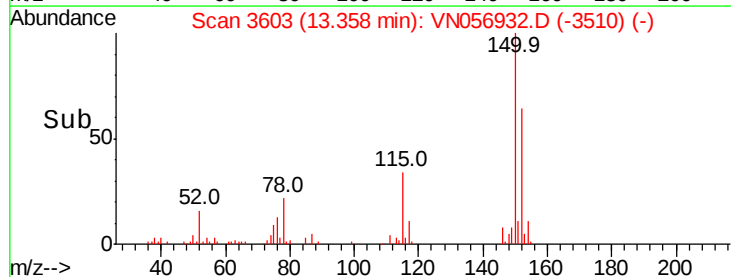
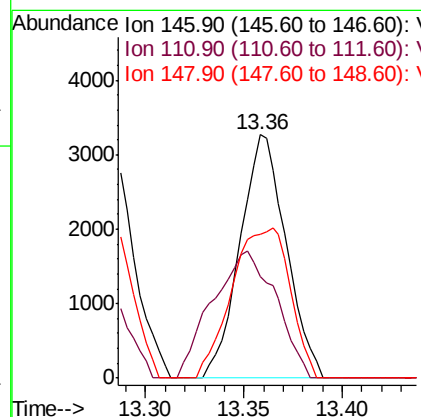
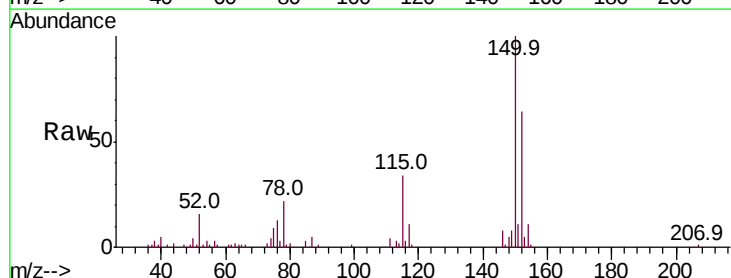
Manual Integrations
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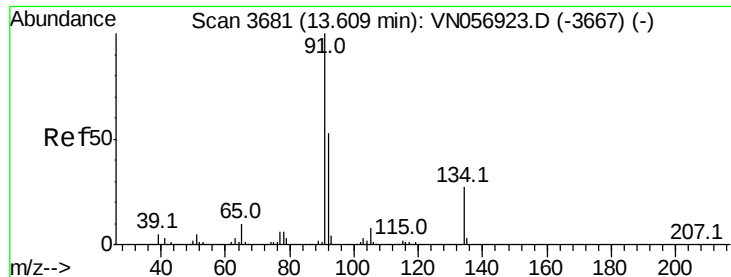
MMDadoda
 7/26/2019 3:37:45 PM



#88
 1,4-Dichlorobenzene
 Concen: 1.015 ug/l m
 RT: 13.36 min Scan# 3603
 Delta R.T. -0.00 min
 Lab File: VN056932.D
 Acq: 25 Jul 2019 20:28

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.9	18.9	56.5
148	70.0	32.1	96.3





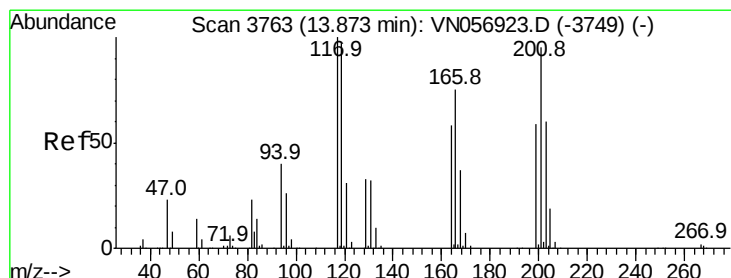
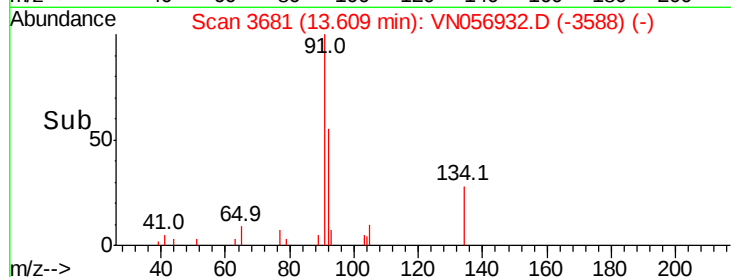
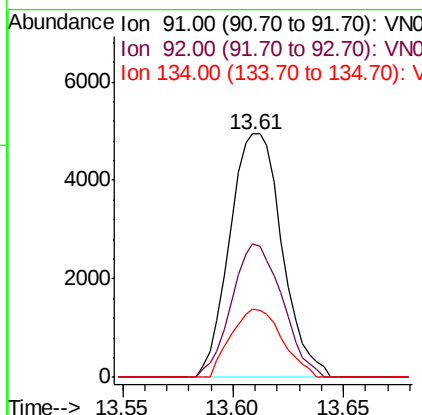
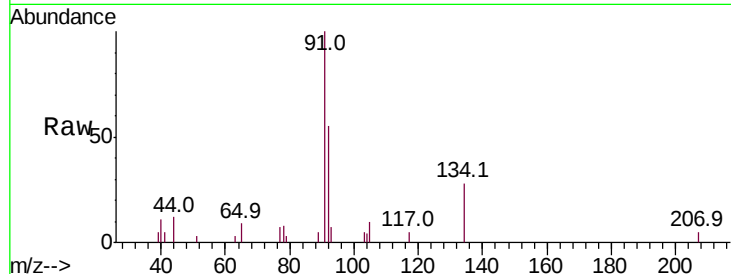
#89
n-Butylbenzene
Concen: 0.901 ug/l
RT: 13.61 min Scan# 3681
Delta R.T. -0.00 min
Lab File: VN056932.D
Acq: 25 Jul 2019 20:28

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT3-2019

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.2	26.5	79.5
134	27.4	13.5	40.5

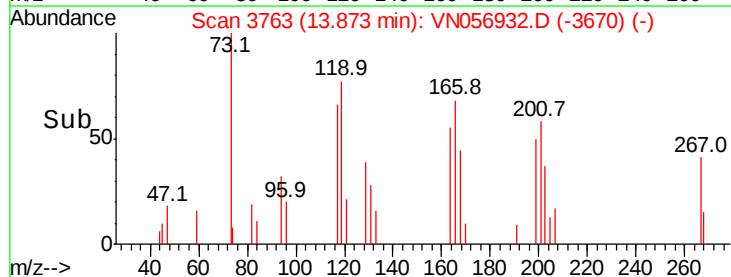
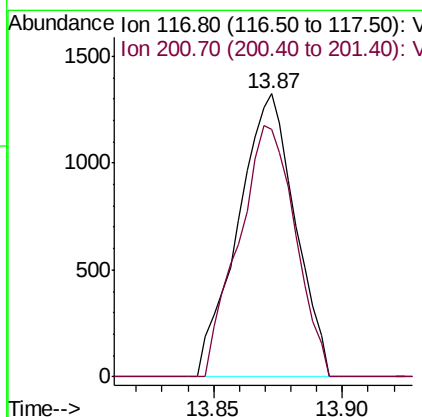
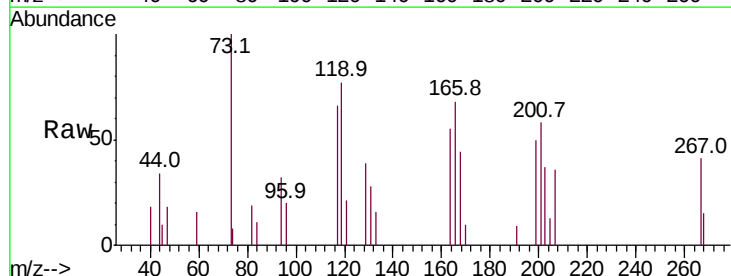
Manual Integrations
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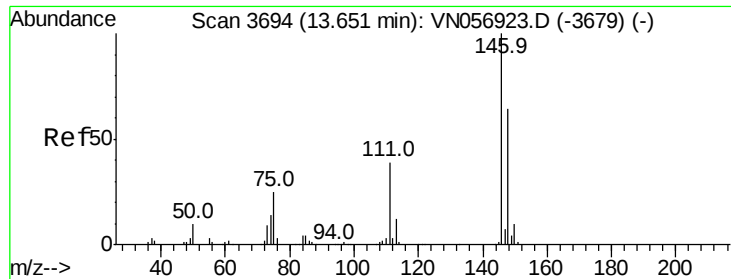
MMDadoda
7/26/2019 3:37:45 PM



#90
Hexachloroethane
Concen: 0.992 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN056932.D
Acq: 25 Jul 2019 20:28

Tgt Ion	Ratio	Lower	Upper
117	100		
201	87.9	47.3	142.0





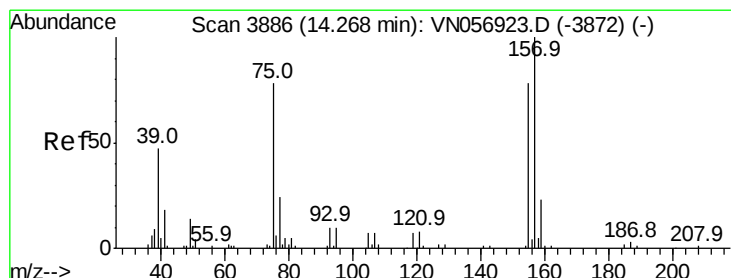
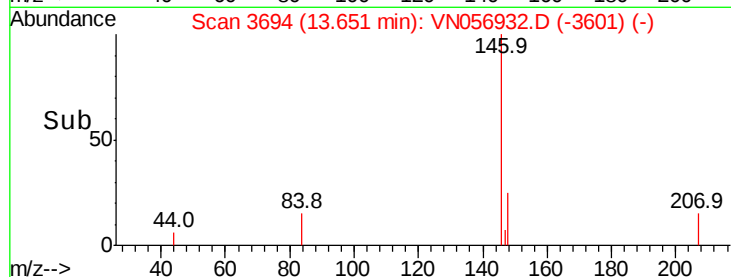
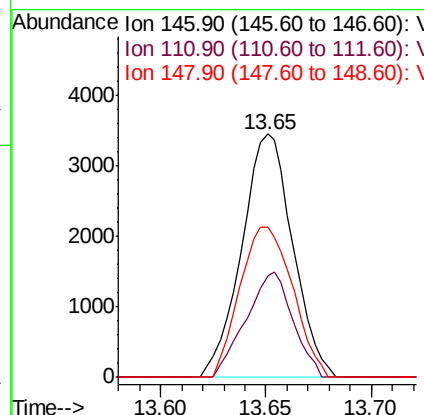
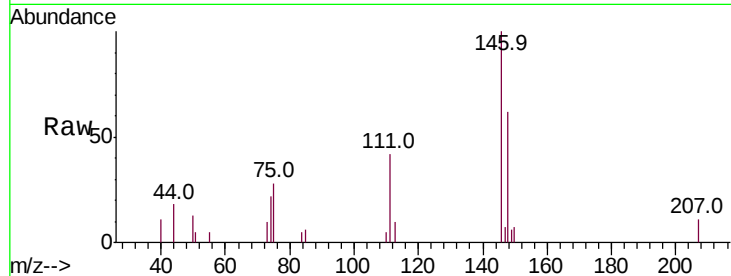
#91
 1,2-Dichlorobenzene
 Concen: 1.042 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN056932.D
 Acq: 25 Jul 2019 20:28

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT3-2019

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.6	19.6	58.8
148	63.9	32.2	96.6

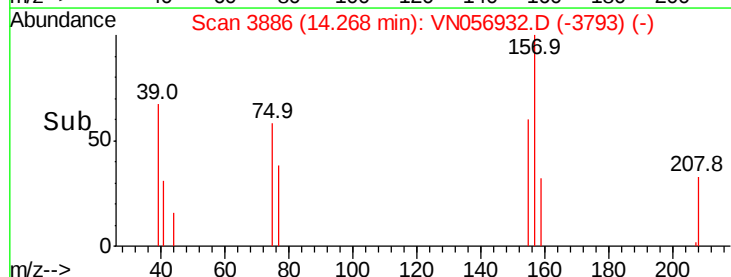
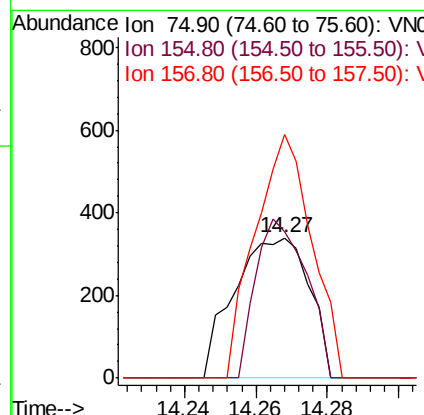
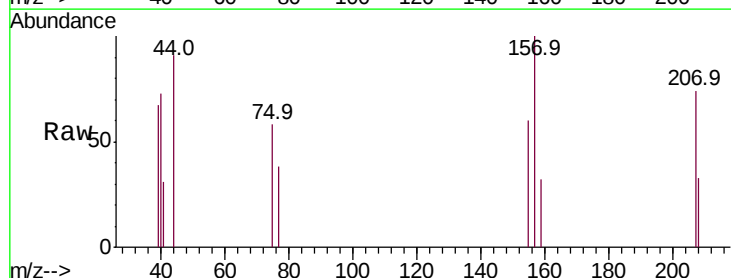
Manual Integrations
 APPROVED

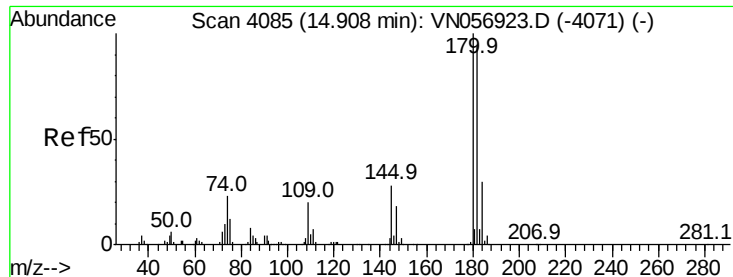
MMDadoda
 7/26/2019 3:37:45 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.867 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN056932.D
 Acq: 25 Jul 2019 20:28

Tgt Ion	Ratio	Lower	Upper
75	100		
155	77.1	47.3	141.9
157	132.2	63.0	189.0





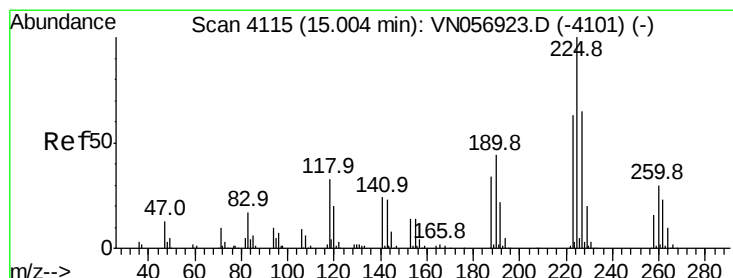
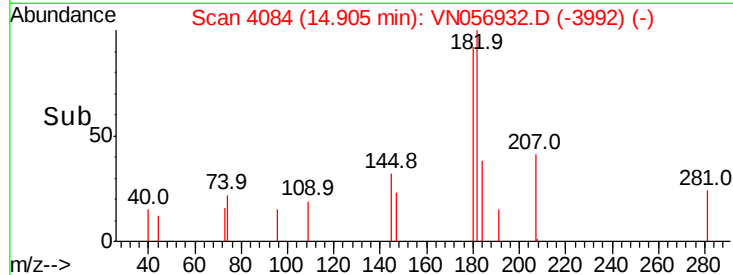
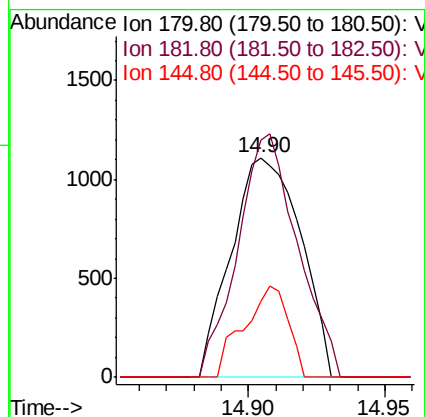
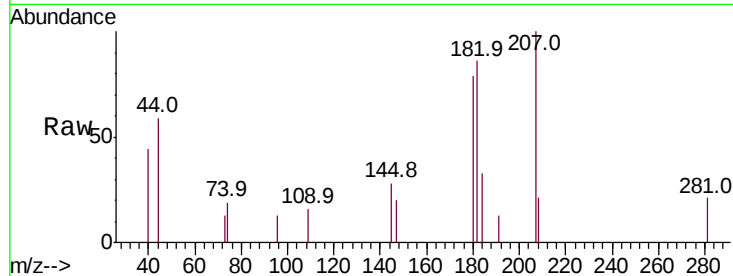
#93
 1,2,4-Trichlorobenzene
 Concen: 0.854 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. -0.00 min
 Lab File: VN056932.D
 Acq: 25 Jul 2019 20:28

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT3-2019

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.4	47.9	143.8
145	26.4	14.1	42.4

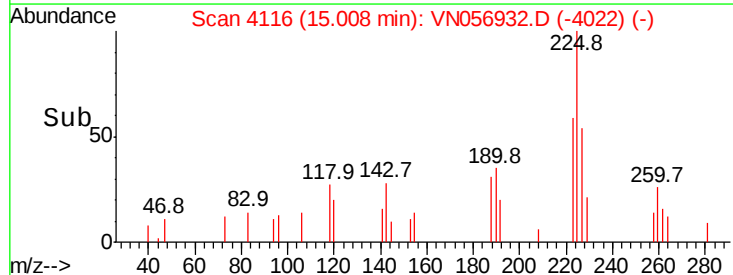
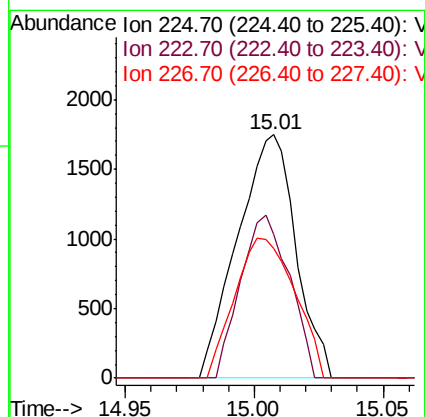
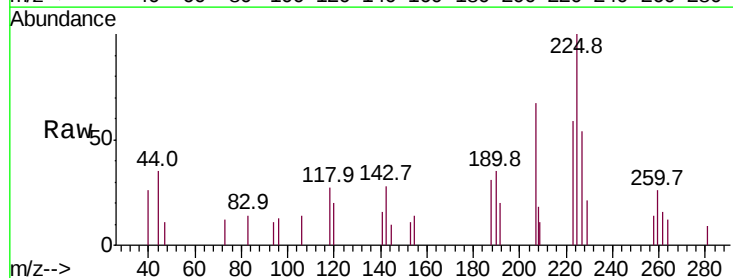
Manual Integrations
 APPROVED

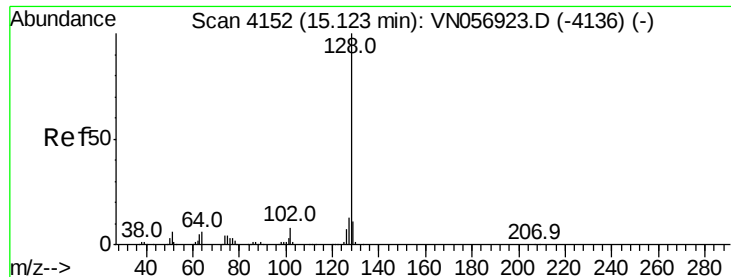
MMDadoda
 7/26/2019 3:37:45 PM



#94
 Hexachlorobutadiene
 Concen: 1.227 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN056932.D
 Acq: 25 Jul 2019 20:28

Tgt Ion	Ratio	Lower	Upper
225	100		
223	56.2	31.3	93.9
227	59.2	31.9	95.7





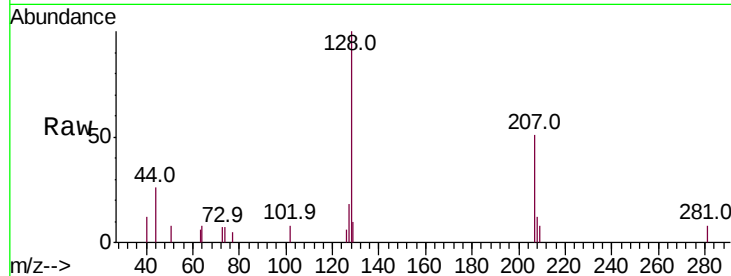
#95
Naphthalene
Concen: 0.825 ug/l
RT: 15.12 min Scan# 4151
Delta R.T. -0.00 min
Lab File: VN056932.D
Acq: 25 Jul 2019 20:28

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT3-2019

Tot Ion	Ratio	Lower	Upper
128	100		
127	14.3	10.2	15.2
129	11.2	8.6	13.0

Manual Integrations
APPROVED

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7/26/2019 3:37:45 PM

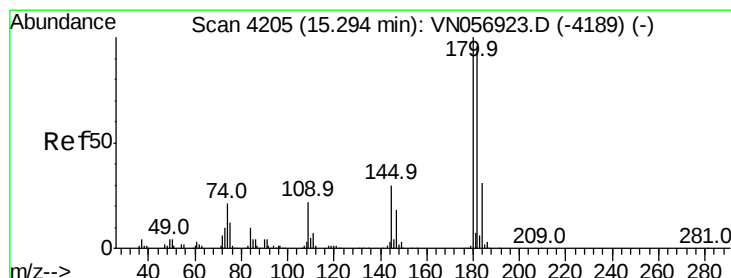
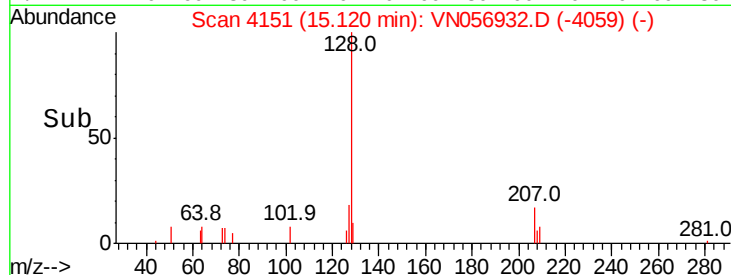
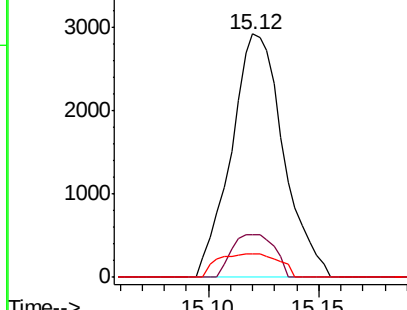


Abundance

Ion 128.00 (127.70 to 128.70): V

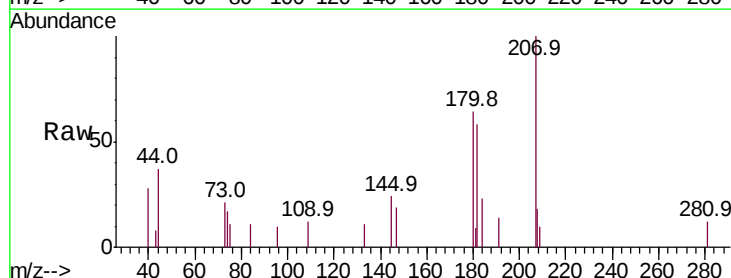
Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 0.837 ug/l
RT: 15.29 min Scan# 4204
Delta R.T. -0.00 min
Lab File: VN056932.D
Acq: 25 Jul 2019 20:28

Tgt Ion	Ratio	Lower	Upper
180	100		
182	58.1	48.4	145.3
145	34.7	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

