

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX112120\
 Data File : VX019503.D
 Acq On : 20 Nov 2020 18:12
 Operator : JC/MD
 Sample : L4827-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 201118060-02-VOA

Quant Time: Nov 21 03:48:52 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112120W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 21 01:57:45 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	273751	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	446355	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	386005	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	174977	50.00	ug/l	0.00

System Monitoring Compounds		R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4		6.03	65	169999	47.89	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	95.78%	
35) Dibromofluoromethane		5.46	113	128077	45.71	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	91.42%	
50) Toluene-d8		8.70	98	525128	48.23	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	96.46%	
62) 4-Bromofluorobenzene		11.12	95	179038	45.71	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	91.42%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.39	62	1184	0.360	ug/l #	81
5) Bromomethane	1.62	94	670	0.538	ug/l #	72
6) Chloroethane	1.69	64	416	Below Cal	#	54
8) Diethyl Ether	2.17	74	9433	4.963	ug/l	98
11) Tert butyl alcohol	3.05	59	2386970	3553.473	ug/l	100
13) Acrolein	2.26	56	328	0.726	ug/l #	15
14) Allyl chloride	2.70	41	20146	4.732	ug/l #	39
15) Acrylonitrile	3.05	53	22117	13.961	ug/l #	22
16) Acetone	2.43	43	19123	13.932	ug/l	97
17) Carbon Disulfide	2.54	76	2952	0.404	ug/l #	84
19) Methyl tert-butyl Ether	3.17	73	24195	2.579	ug/l	98
25) 2-Butanone	4.70	43	101086	49.025	ug/l #	70
26) 2,2-Dichloropropane	4.70	77	151117	32.137	ug/l #	52
27) cis-1,2-Dichloroethene	4.57	96	1489	0.421	ug/l #	20
28) Bromochloromethane	5.10	49	1553	0.603	ug/l #	8
29) Tetrahydrofuran	5.09	42	695697	528.800	ug/l	99
36) 1,1-Dichloropropene	5.62	75	21091	5.040	ug/l #	50
37) Ethyl Acetate	4.70	43	101086	25.732	ug/l #	1
38) Carbon Tetrachloride	5.62	117	26497	6.542	ug/l #	17
40) Benzene	6.11	78	29782	2.316	ug/l	98
41) Methacrylonitrile	5.09	41	393882	181.819	ug/l #	40
42) 1,2-Dichloroethane	6.15	62	2190	0.497	ug/l	91
43) Isopropyl Acetate	6.42	43	2968	0.449	ug/l #	62
49) 1,4-Dioxane	7.72	88	6069	86.427	ug/l	96
51) 4-Methyl-2-Pentanone	8.62	43	22849	5.933	ug/l #	75
52) Toluene	8.76	92	10870	1.382	ug/l	97
55) 1,1,2-Trichloroethane	9.12	97	1226	0.383	ug/l #	27
59) 2-Hexanone	9.60	43	2874	0.984	ug/l	61
65) Chlorobenzene	10.12	112	7265	0.915	ug/l	89
67) Ethyl Benzene	10.23	91	23792	1.711	ug/l	100
68) m/p-Xylenes	10.34	106	31009	5.986	ug/l	98
69) o-Xylene	10.68	106	23312	4.708	ug/l	99
70) Styrene	10.70	104	3404	2.005	ug/l #	1
73) Isopropylbenzene	11.00	105	7333	0.606	ug/l	99

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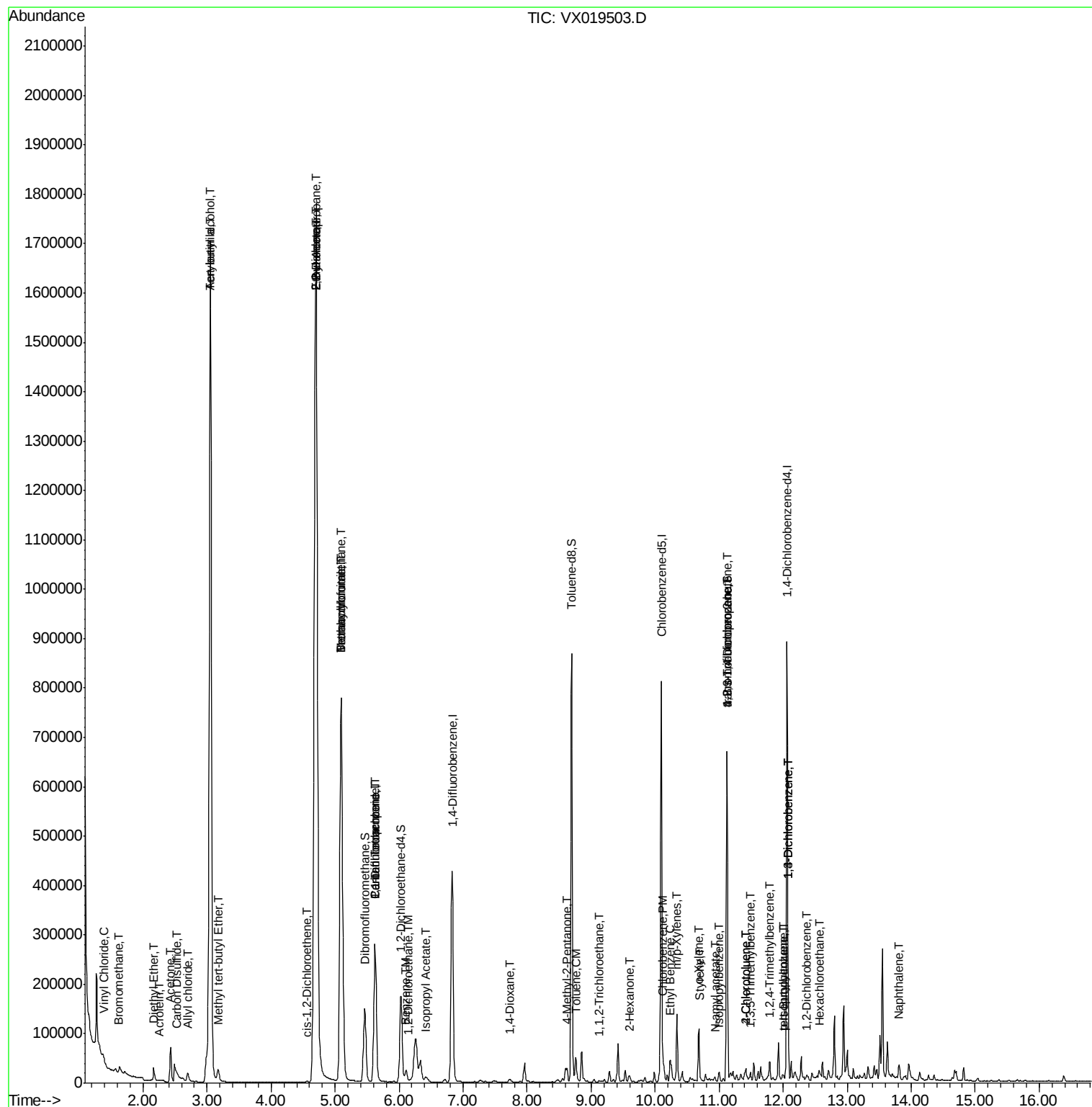
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
74) N-amyl acetate	10.93	43	4194	0.925	ug/l #	51
76) 1,2,3-Trichloropropane	11.12	75	88472	23.169	ug/l #	38
79) 2-Chlorotoluene	11.41	91	3159	0.375	ug/l	79
80) 1,3,5-Trimethylbenzene	11.49	105	7159	0.705	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.12	75	88472	61.512	ug/l #	12
82) 4-Chlorotoluene	11.41	91	3159	0.319	ug/l	84
83) tert-Butylbenzene	12.01	119	2163	0.220	ug/l	70
84) 1,2,4-Trimethylbenzene	11.79	105	16234	1.580	ug/l	98
86) p-Isopropyltoluene	12.01	119	2163	0.204	ug/l	90
87) 1,3-Dichlorobenzene	12.08	146	20799	3.665	ug/l	89
88) 1,4-Dichlorobenzene	12.08	146	20799	3.558	ug/l	89
90) Hexachloroethane	12.57	117	422	0.238	ug/l #	10
91) 1,2-Dichlorobenzene	12.37	146	1704	0.299	ug/l	90
95) Naphthalene	13.82	128	9341	2.870	ug/l	98

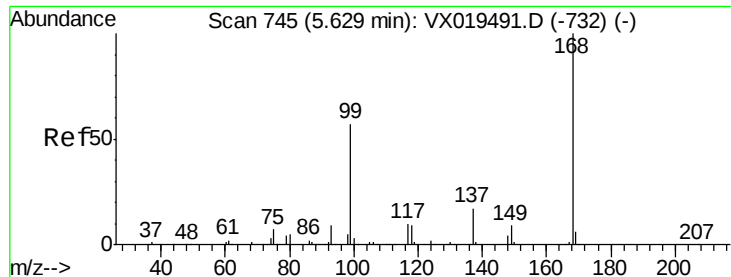
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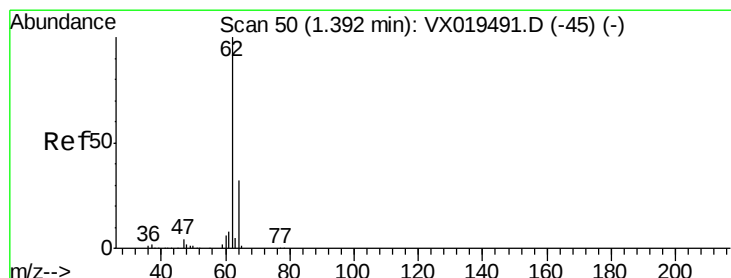
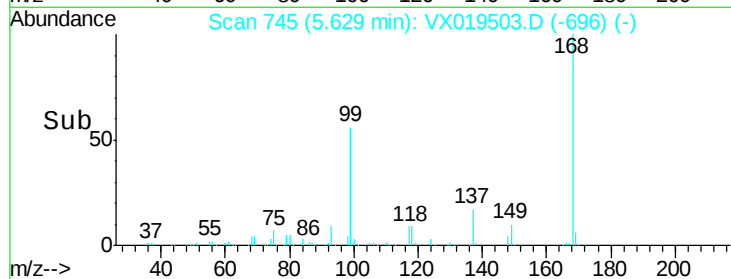
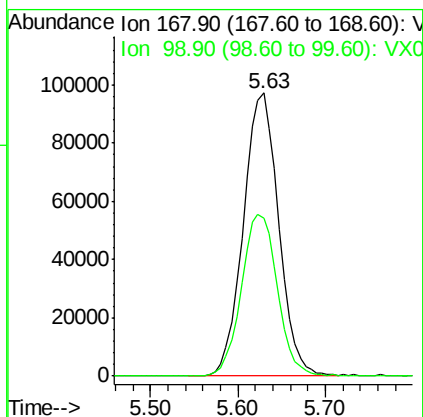
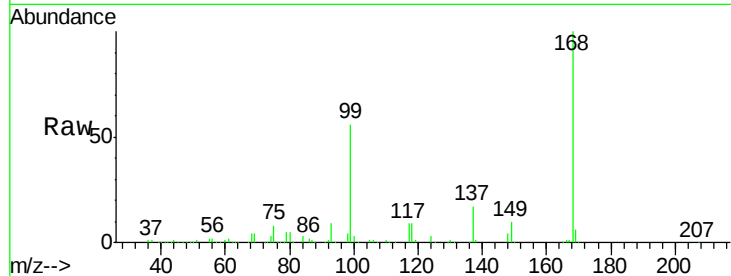




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.63 min Scan# 745
Delta R.T. -0.00 min
Lab File: VX019503.D
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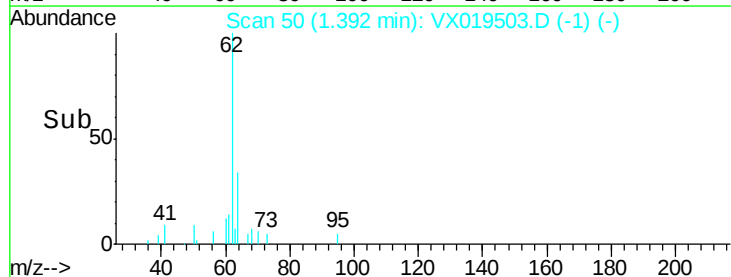
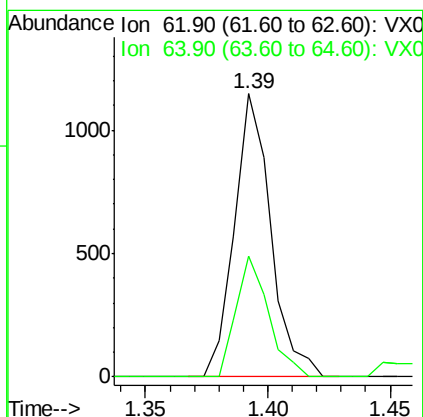
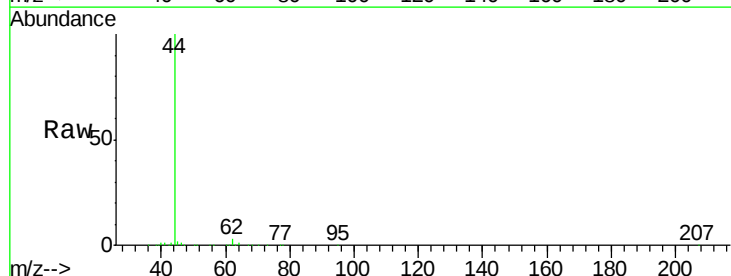
Instrument :
MSVOA_X
ClientSampleId :
201118060-02-VOA

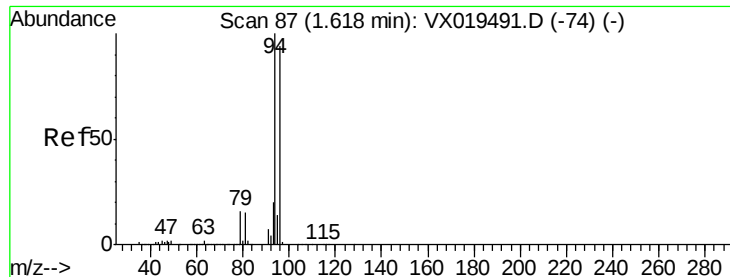
Tot Ion:168 Resp: 273751
Ion Ratio Lower Upper
168 100
99 55.6 45.8 68.6



#4
Vinyl Chloride
Concen: 0.360 ug/l
RT: 1.39 min Scan# 50
Delta R.T. -0.00 min
Lab File: VX019503.D
Acq: 20 Nov 2020 18:12

Tgt Ion: 62 Resp: 1184
Ion Ratio Lower Upper
62 100
64 42.5 25.4 38.2#





#5

Bromomethane

Concen: 0.538 ug/l

RT: 1.62 min Scan# 87

Delta R.T. -0.00 min

Lab File: VX019503.D

Acq: 20 Nov 2020 18:12

Instrument :

MSVOA_X

ClientSampleId :

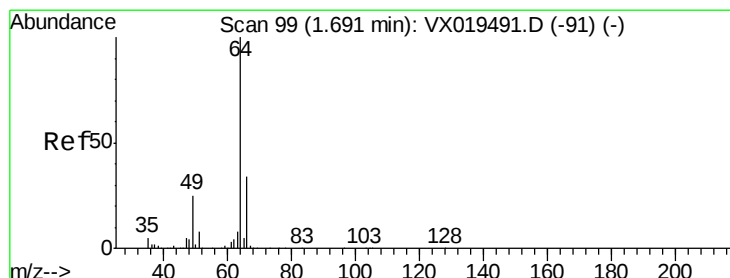
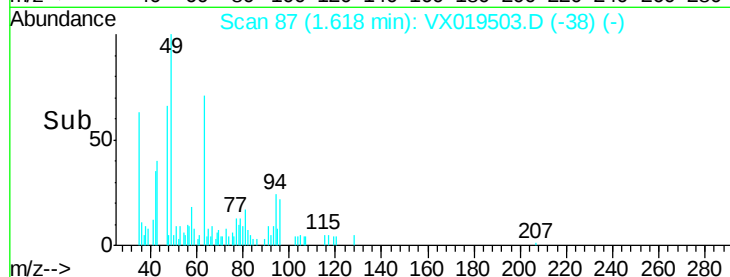
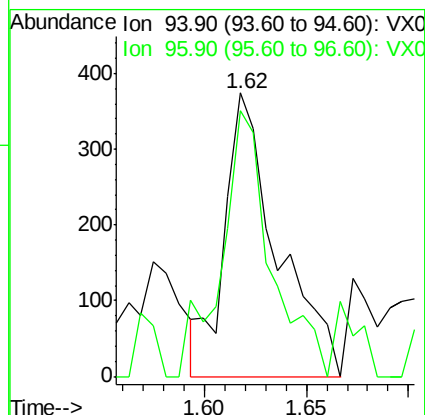
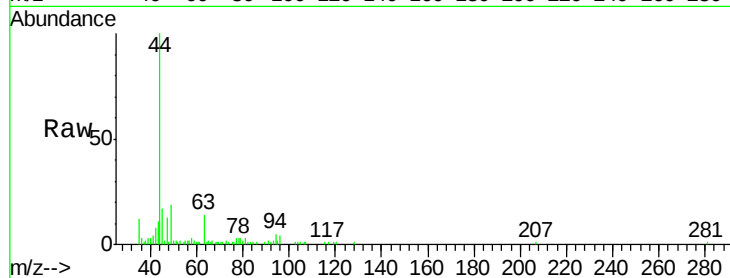
201118060-02-VOA

Tot Ion: 94 Resp: 670

Ion Ratio Lower Upper

94 100

96 67.4 75.6 113.4#



#6

Chloroethane

Concen: Below Cal

RT: 1.69 min Scan# 99

Delta R.T. 0.00 min

Lab File: VX019503.D

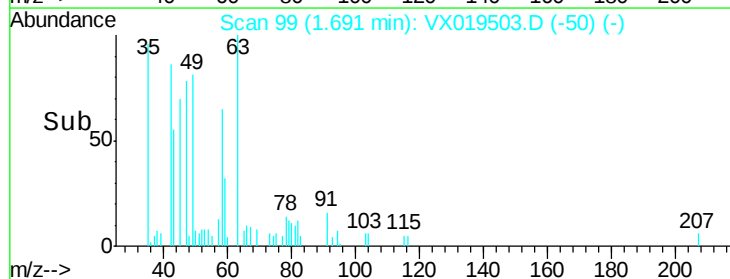
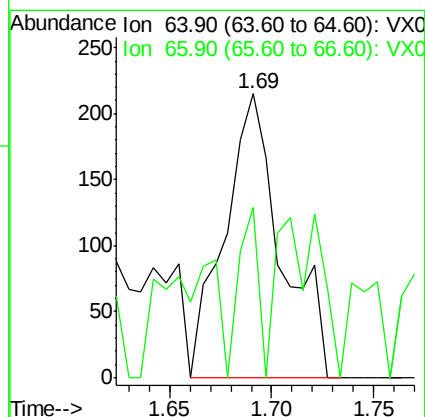
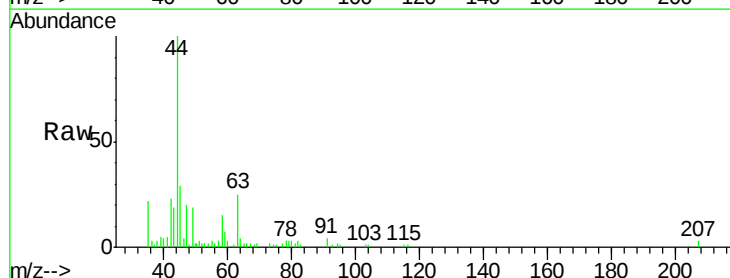
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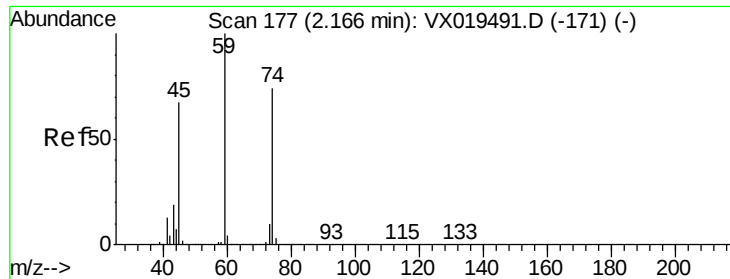
Tgt Ion: 64 Resp: 416

Ion Ratio Lower Upper

64 100

66 60.0 27.1 40.7#





#8

Diethyl Ether

Concen: 4.963 ug/l

RT: 2.17 min Scan# 177

Delta R.T. -0.00 min

Lab File: VX019503.D

Acq: 20 Nov 2020 18:12

Instrument :

MSVOA_X

ClientSampleId :

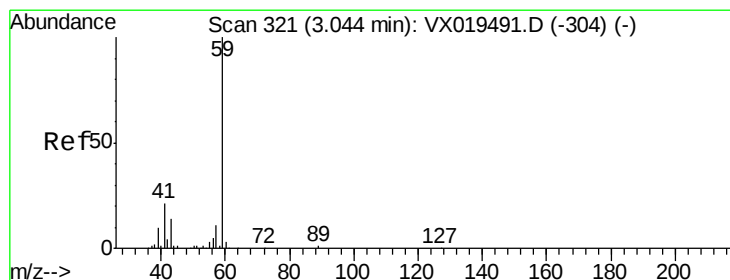
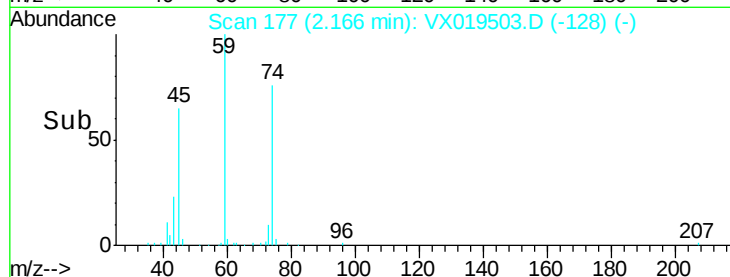
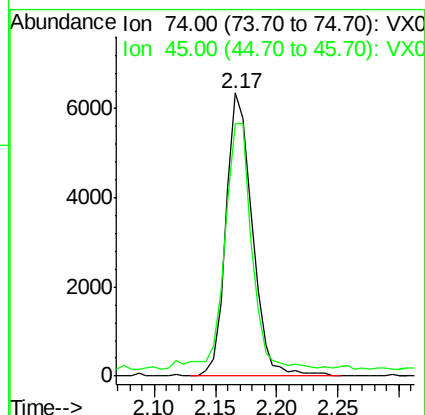
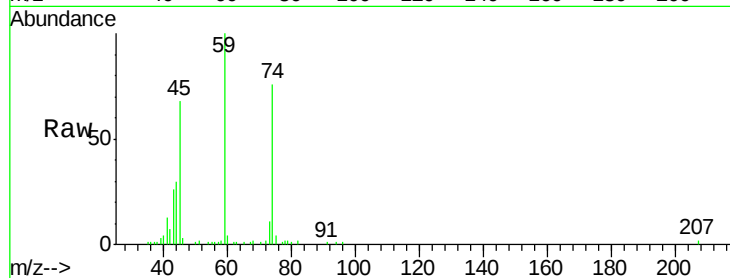
201118060-02-VOA

Tot Ion: 74 Resp: 9433

Ion Ratio Lower Upper

74 100

45 91.0 44.4 133.2



#11

Tert butyl alcohol

Concen: 3553.473 ug/l

RT: 3.05 min Scan# 322

Delta R.T. 0.01 min

Lab File: VX019503.D

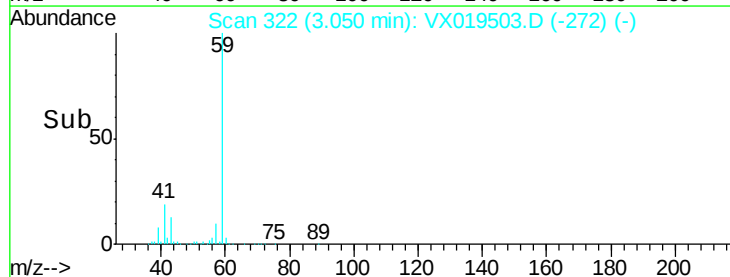
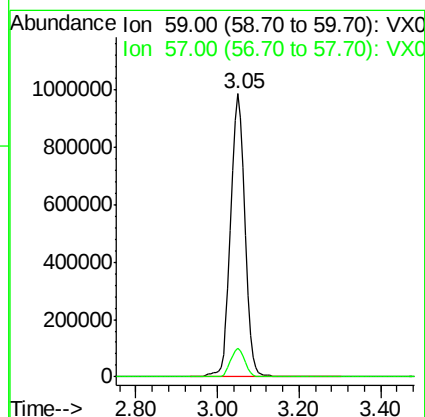
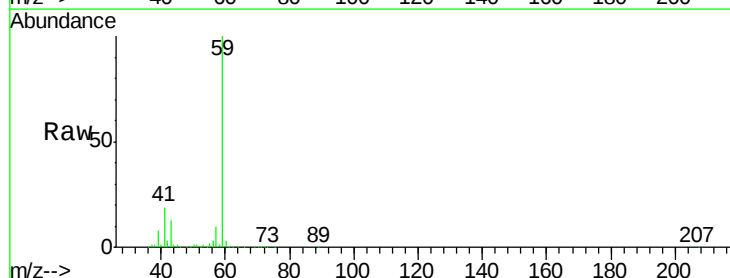
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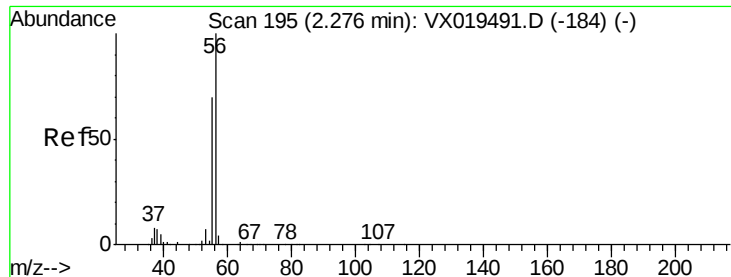
Tgt Ion: 59 Resp: 2386970

Ion Ratio Lower Upper

59 100

57 10.0 7.9 11.9

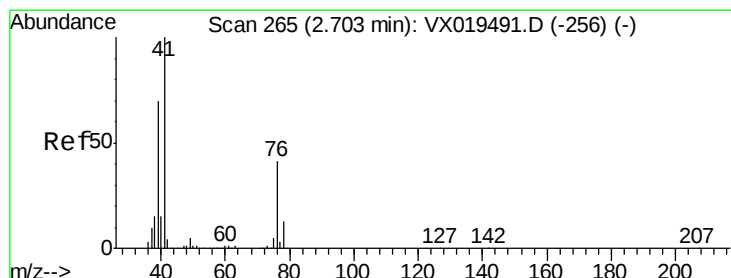
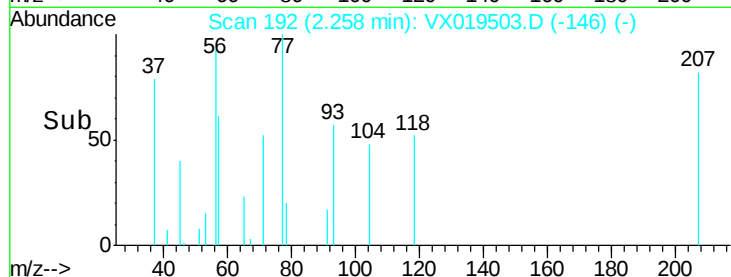
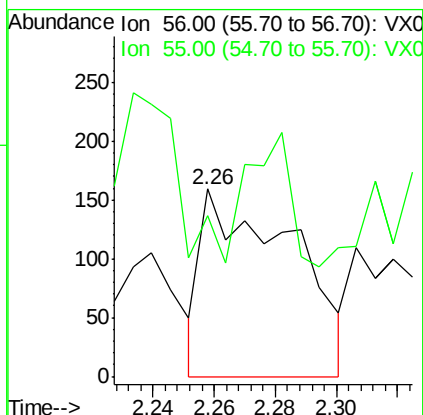
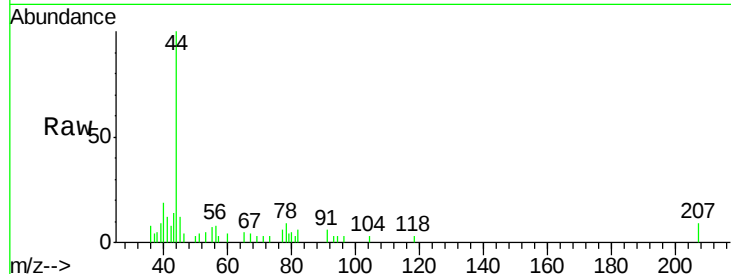




#13
Acrolein
Concen: 0.726 ug/l
RT: 2.26 min Scan# 192
Delta R.T. -0.02 min
Lab File: VX019503.D
Acq: 20 Nov 2020 18:12

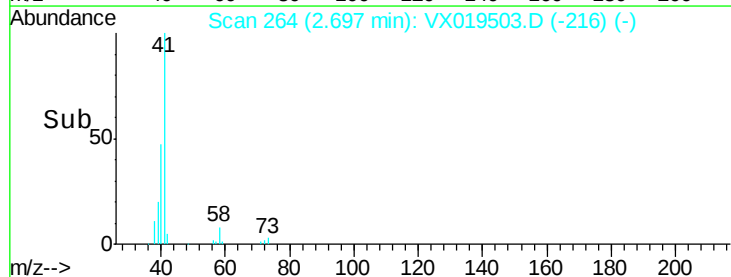
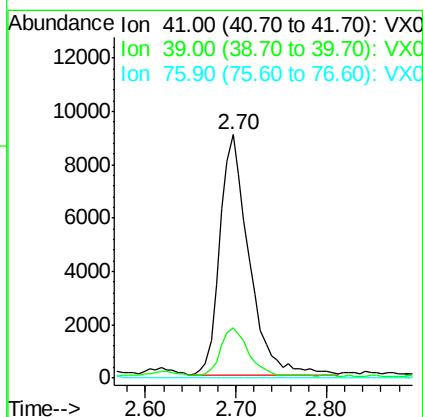
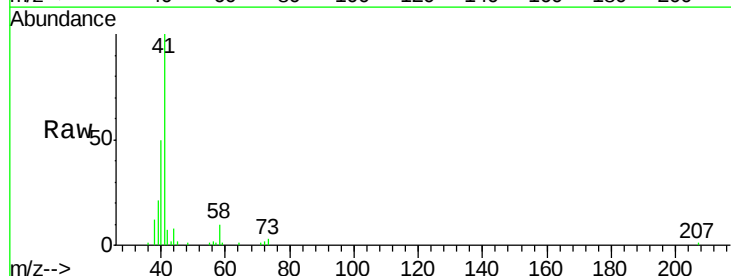
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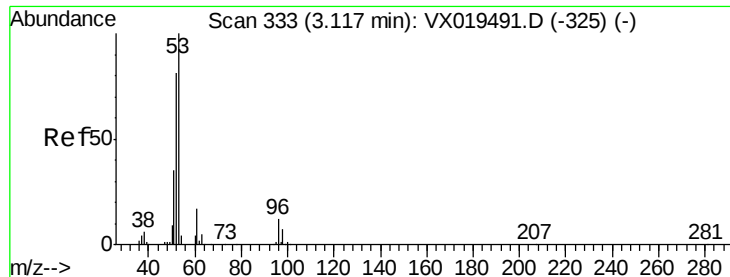
Tot Ion: 56 Resp: 328
Ion Ratio Lower Upper
56 100
55 0.0 55.5 83.3#



#14
Allyl chloride
Concen: 4.732 ug/l
RT: 2.70 min Scan# 264
Delta R.T. -0.01 min
Lab File: VX019503.D
Acq: 20 Nov 2020 18:12

Tgt Ion: 41 Resp: 20146
Ion Ratio Lower Upper
41 100
39 18.8 53.0 79.4#
76 0.0 31.0 46.6#





#15

Acrylonitrile

Concen: 13.961 ug/l

RT: 3.05 min Scan# 322

Delta R.T. -0.07 min

Lab File: VX019503.D

Acq: 20 Nov 2020 18:12

Instrument :

MSVOA_X

ClientSampleId :

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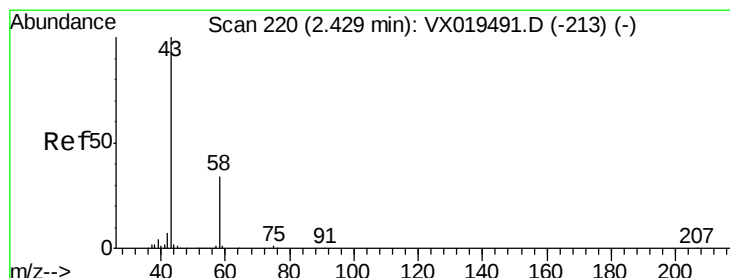
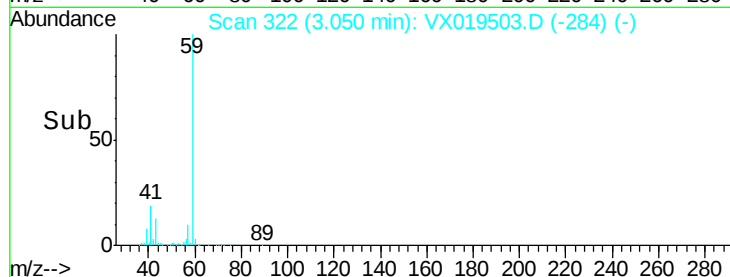
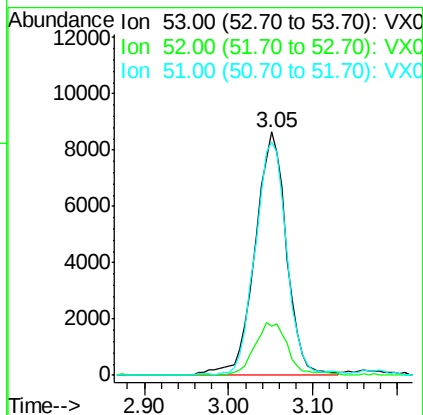
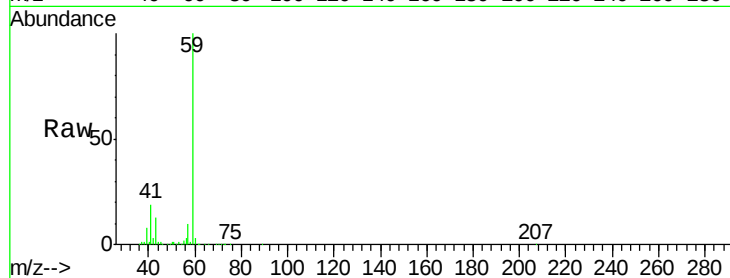
Tot Ion: 53 Resp: 22117

Ion Ratio Lower Upper

53 100

52 22.3 66.2 99.2#

51 95.6 28.5 42.7#



#16

Acetone

Concen: 13.932 ug/l

RT: 2.43 min Scan# 220

Delta R.T. -0.00 min

Lab File: VX019503.D

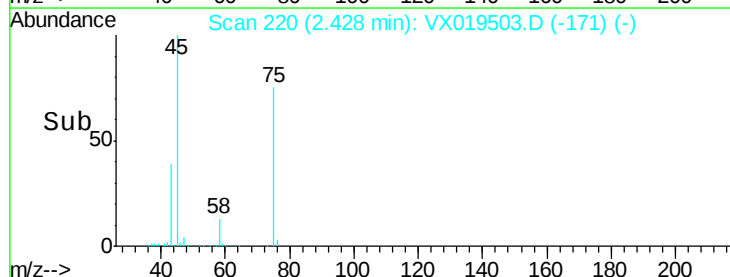
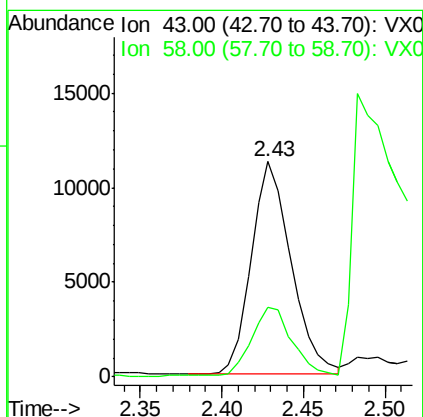
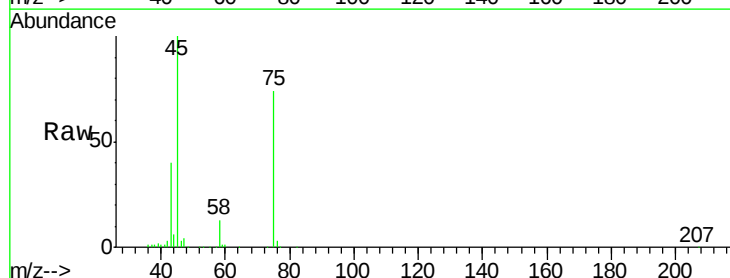
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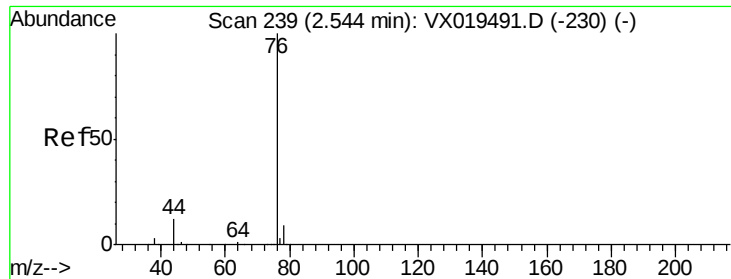
Tgt Ion: 43 Resp: 19123

Ion Ratio Lower Upper

43 100

58 32.4 27.4 41.2

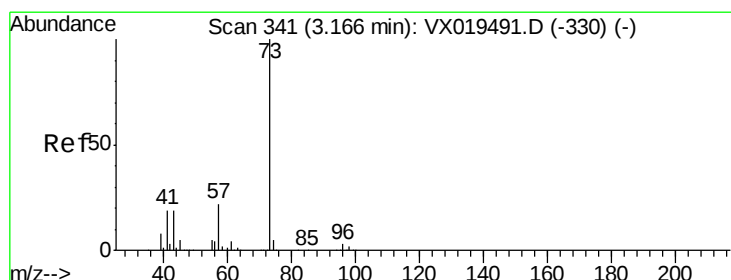
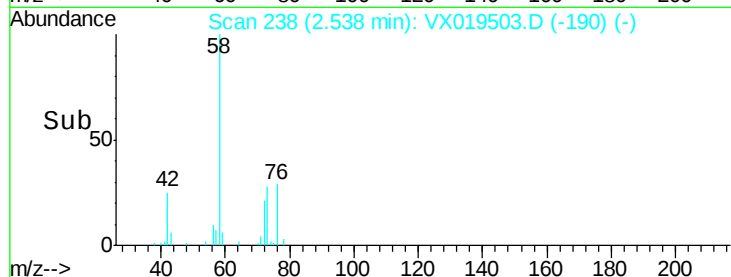
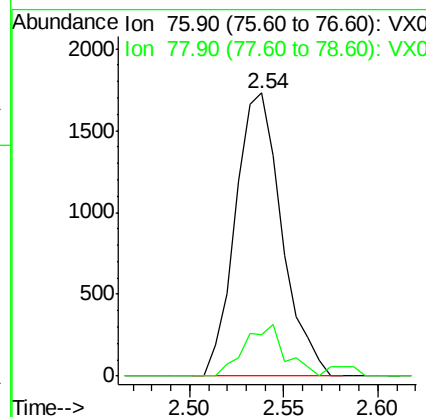
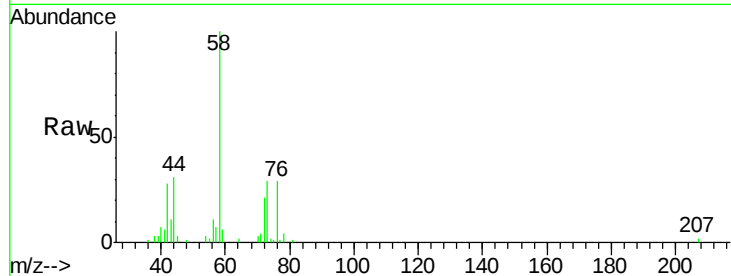




#17
Carbon Disulfide
Concen: 0.404 ug/l
RT: 2.54 min Scan# 238
Delta R.T. -0.01 min
Lab File: VX019503.D
Acq: 20 Nov 2020 18:12

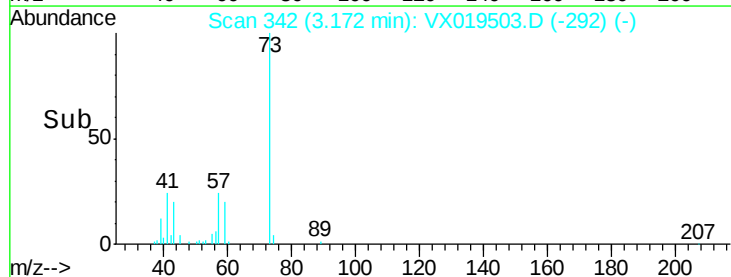
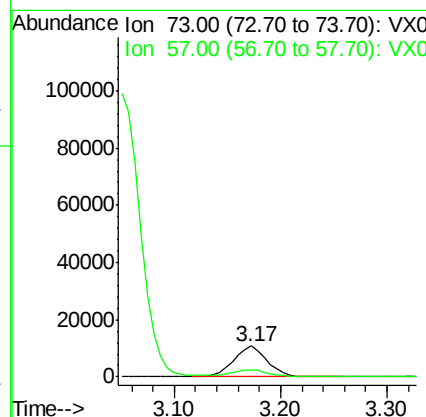
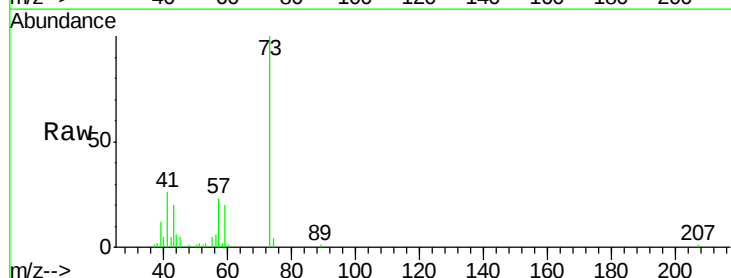
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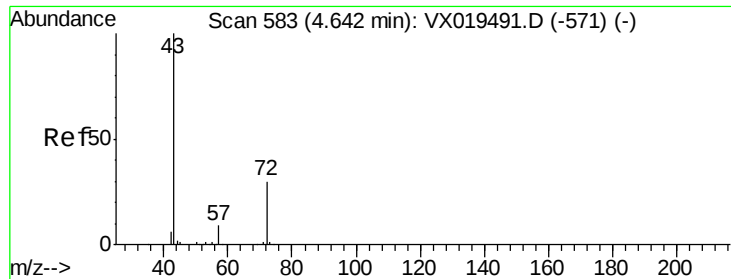
Tot Ion: 76 Resp: 2952
Ion Ratio Lower Upper
76 100
78 14.9 7.2 10.8#



#19
Methyl tert-butyl Ether
Concen: 2.579 ug/l
RT: 3.17 min Scan# 342
Delta R.T. 0.01 min
Lab File: VX019503.D
Acq: 20 Nov 2020 18:12

Tgt Ion: 73 Resp: 24195
Ion Ratio Lower Upper
73 100
57 22.6 17.3 25.9





#25

2-Butanone

Concen: 49.025 ug/l

RT: 4.70 min Scan# 593

Delta R.T. 0.06 min

Lab File: VX019503.D

Acq: 20 Nov 2020 18:12

Instrument :

MSVOA_X

ClientSampleId :

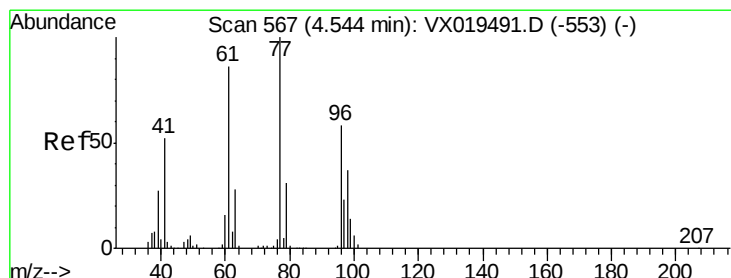
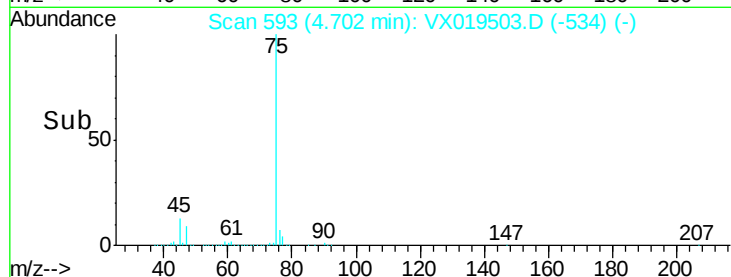
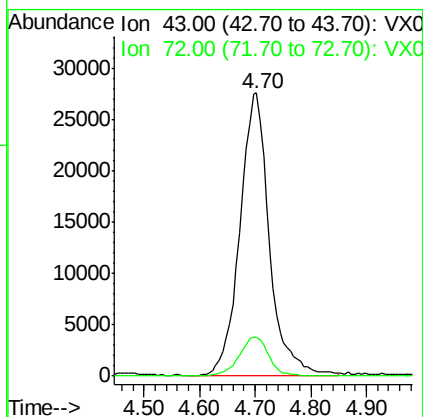
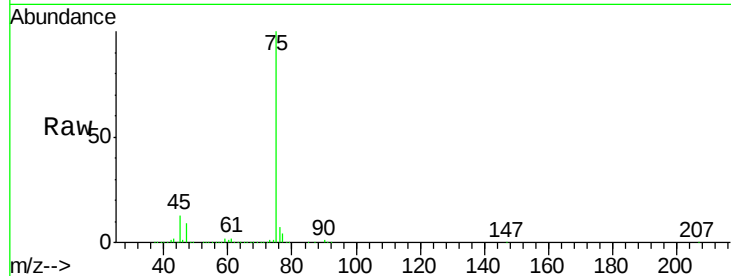
201118060-02-VOA

Tot Ion: 43 Resp: 101086

Ion Ratio Lower Upper

43 100

72 13.8 24.0 36.0#



#26

2,2-Dichloropropane

Concen: 32.137 ug/l

RT: 4.70 min Scan# 592

Delta R.T. 0.15 min

Lab File: VX019503.D

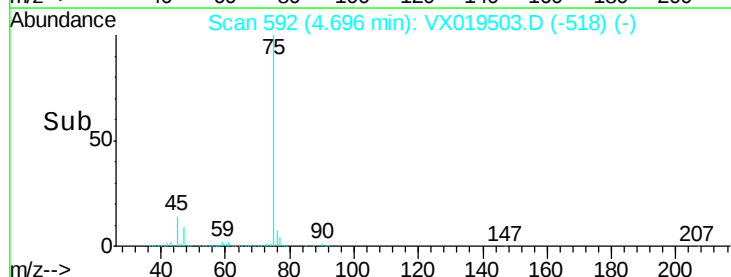
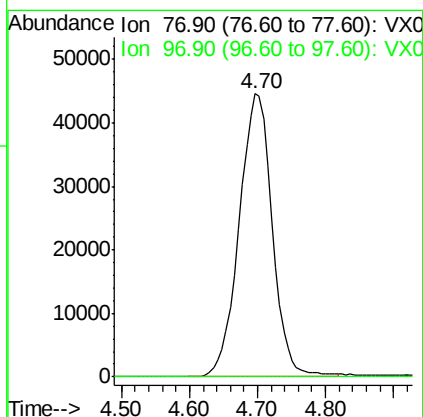
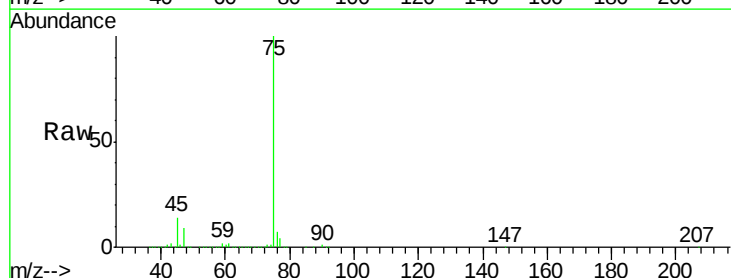
Acq: 20 Nov 2020 18:12

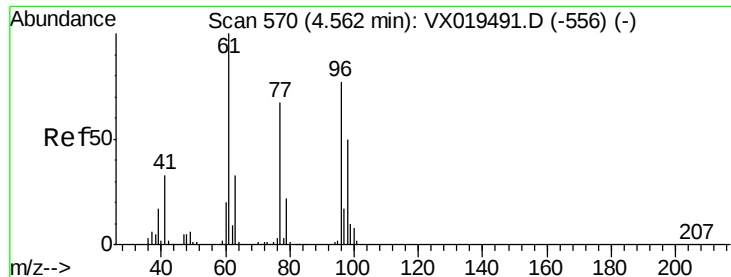
Tgt Ion: 77 Resp: 151117

Ion Ratio Lower Upper

77 100

97 0.0 11.6 34.8#



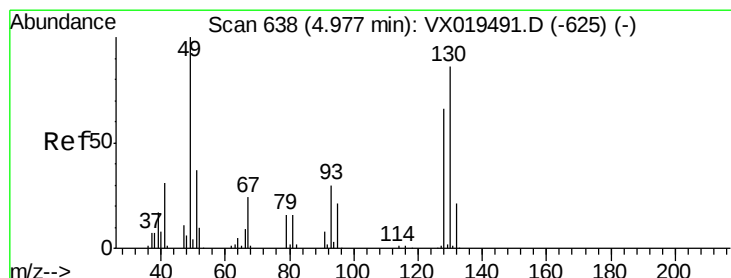
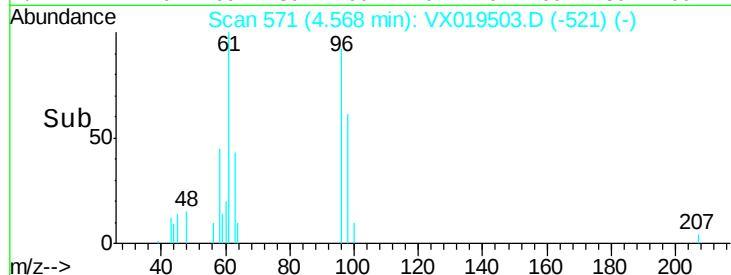
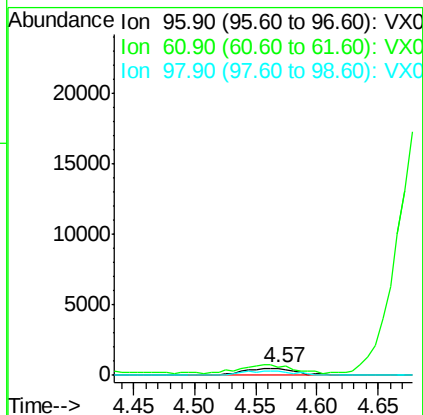
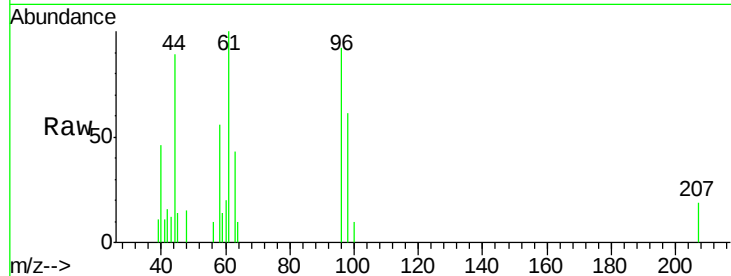


#27

cis-1,2-Dichloroethene
 Concen: 0.421 ug/l
 RT: 4.57 min Scan# 571
 Delta R.T. 0.01 min
 Lab File: VX019503.D
 Acq: 20 Nov 2020 18:12

Instrument :
 MSVOA_X
 ClientSampleId :
 201118060-02-VOA

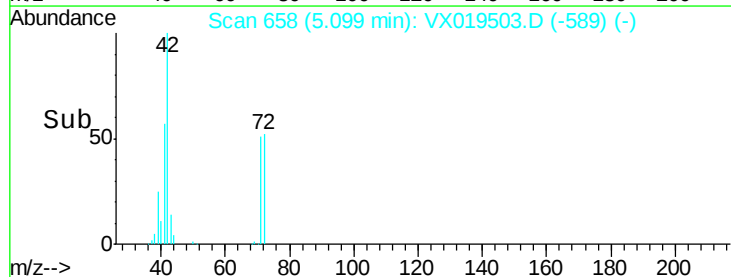
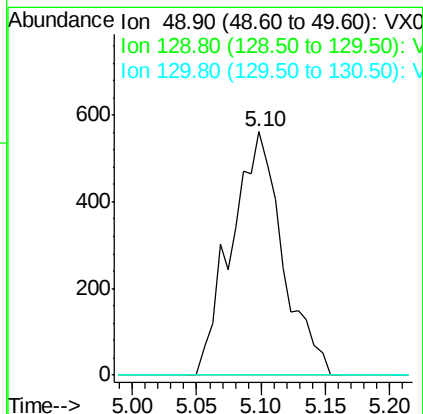
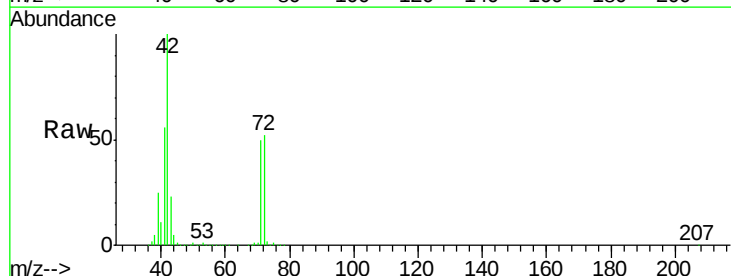
Tot Ion: 96 Resp: 1489
 Ion Ratio Lower Upper
 96 100
 61 0.0 0.0 279.2
 98 60.8 0.0 129.8

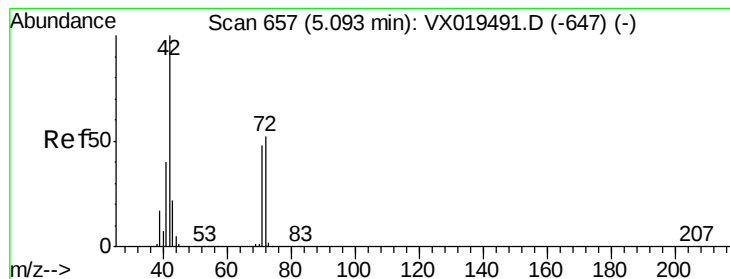


#28

Bromochloromethane
 Concen: 0.603 ug/l
 RT: 5.10 min Scan# 658
 Delta R.T. 0.12 min
 Lab File: VX019503.D
 Acq: 20 Nov 2020 18:12

Tgt Ion: 49 Resp: 1553
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 4.2
 130 0.0 69.0 103.6#





#29

Tetrahydrofuran

Concen: 528.800 ug/l

RT: 5.09 min Scan# 657

Delta R.T. -0.00 min

Lab File: VX019503.D

Acq: 20 Nov 2020 18:12

Instrument :

MSVOA_X

ClientSampleId :

201118060-02-VOA

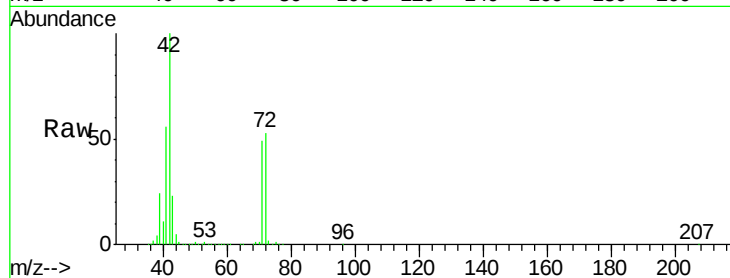
Tot Ion: 42 Resp: 695697

Ion Ratio Lower Upper

42 100

72 52.1 42.6 63.8

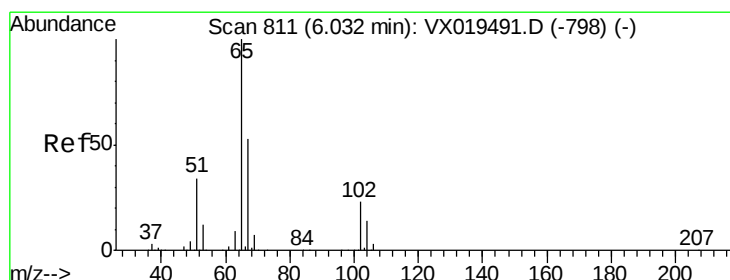
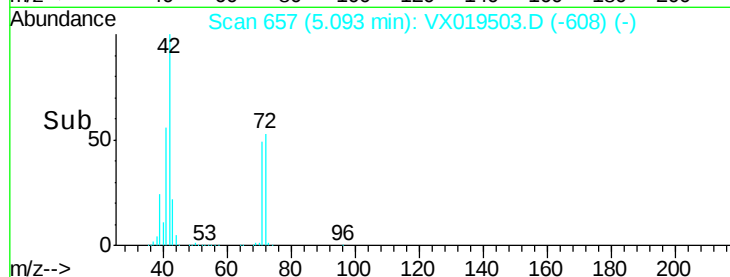
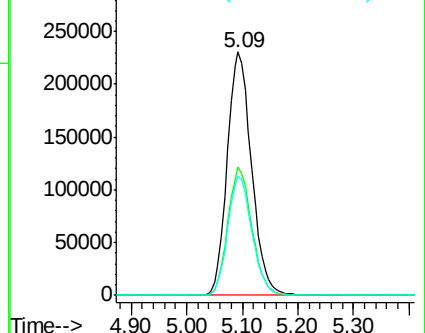
71 49.0 39.0 58.6



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 47.895 ug/l

RT: 6.03 min Scan# 810

Delta R.T. -0.01 min

Lab File: VX019503.D

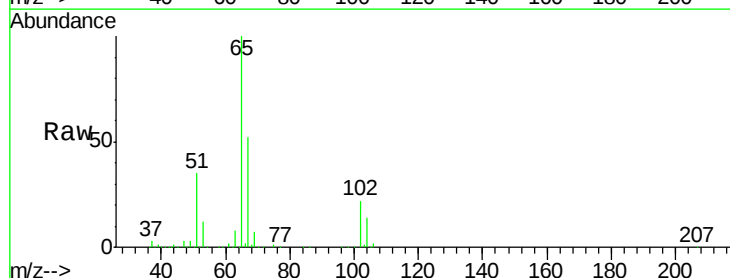
Acq: 20 Nov 2020 18:12

Tgt Ion: 65 Resp: 169999

Ion Ratio Lower Upper

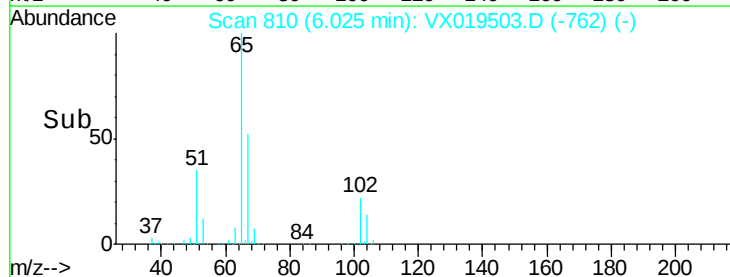
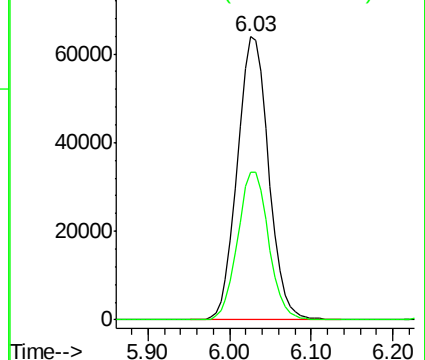
65 100

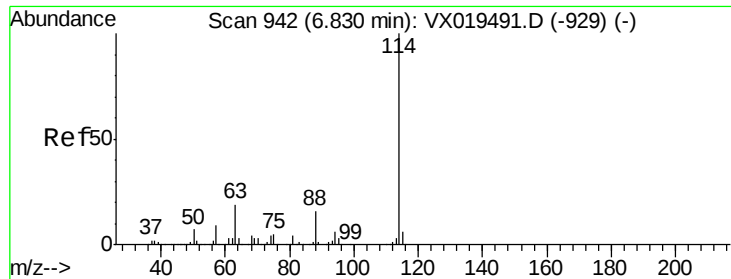
67 52.0 0.0 105.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.00 min

Lab File: VX019503.D

Acq: 20 Nov 2020 18:12

Instrument :

MSVOA_X

ClientSampleId :

201118060-02-VOA

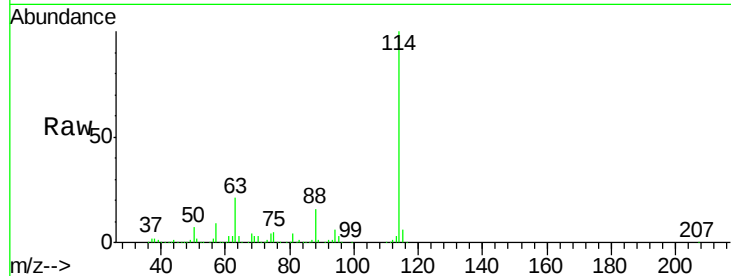
Tot Ion:114 Resp: 446355

Ion Ratio Lower Upper

114 100

63 20.5 0.0 38.8

88 16.0 0.0 31.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

250000

200000

150000

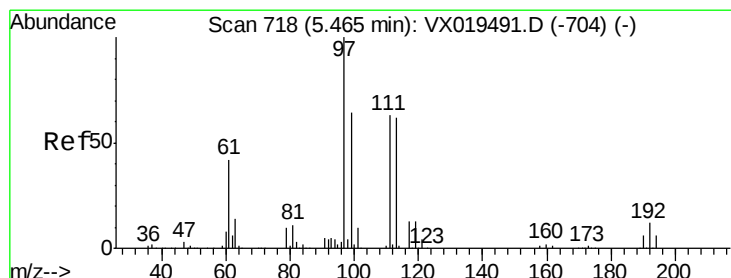
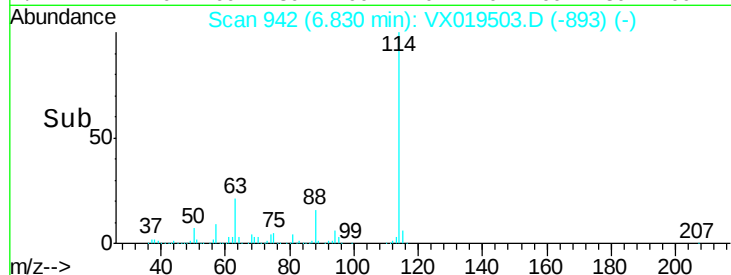
100000

50000

0

6.70 6.80 6.90 7.00

Time-->



#35

Dibromofluoromethane

Concen: 45.713 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.00 min

Lab File: VX019503.D

Acq: 20 Nov 2020 18:12

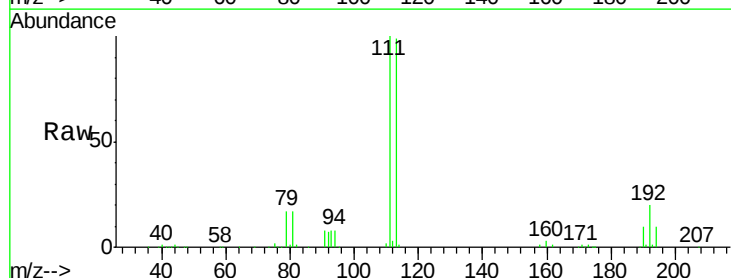
Tgt Ion:113 Resp: 128077

Ion Ratio Lower Upper

113 100

111 103.1 81.5 122.3

192 20.2 16.2 24.2



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

60000

50000

40000

30000

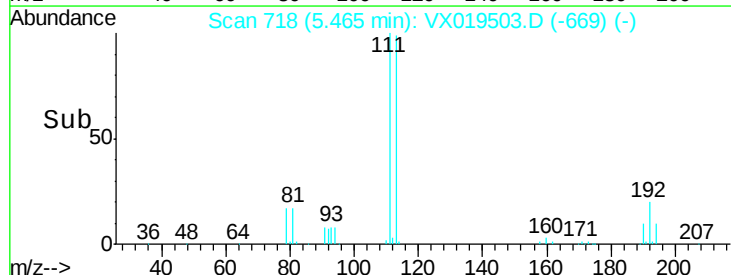
20000

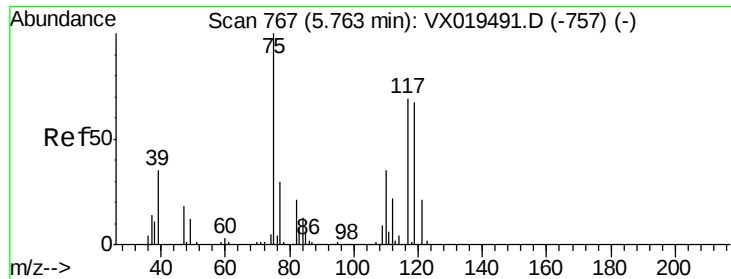
10000

0

5.30 5.40 5.50 5.60

Time-->





#36

1,1-Dichloropropene

Concen: 5.040 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.14 min

Lab File: VX019503.D

Acq: 20 Nov 2020 18:12

Instrument :

MSVOA_X

ClientSampleId :

201118060-02-VOA

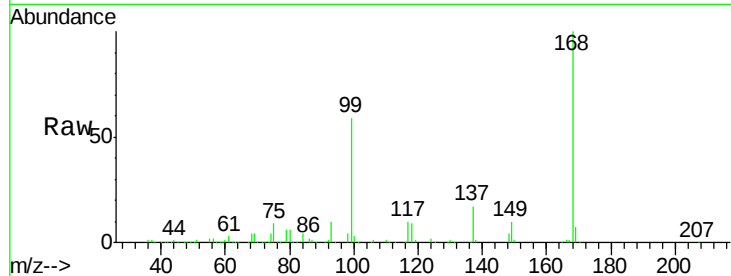
Tot Ion: 75 Resp: 21091

Ion Ratio Lower Upper

75 100

110 8.9 18.1 54.3#

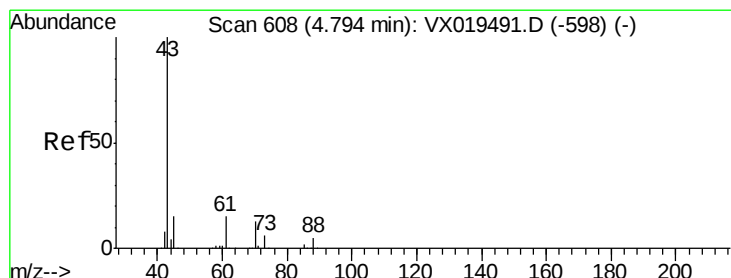
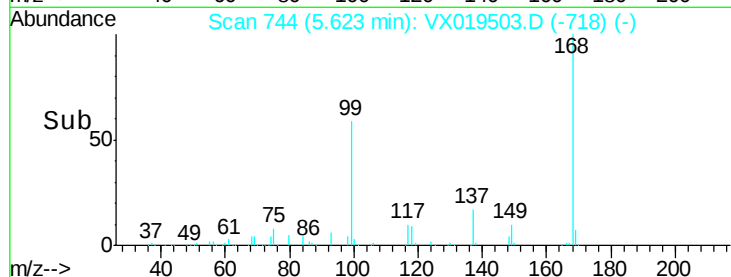
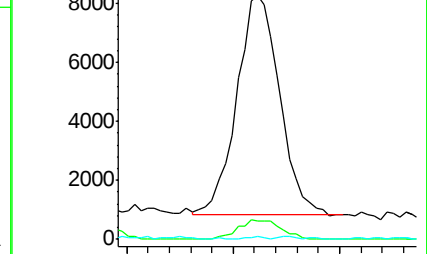
77 0.5 24.2 36.4#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



#37

Ethyl Acetate

Concen: 25.732 ug/l

RT: 4.70 min Scan# 593

Delta R.T. -0.09 min

Lab File: VX019503.D

Acq: 20 Nov 2020 18:12

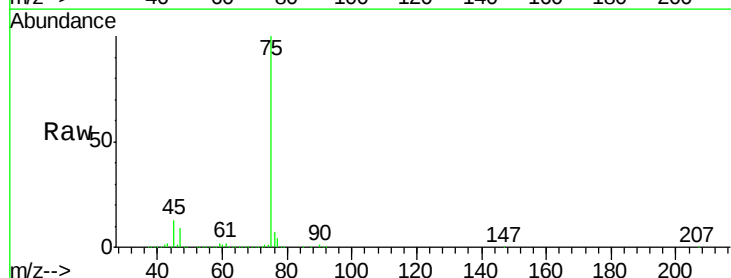
Tgt Ion: 43 Resp: 101086

Ion Ratio Lower Upper

43 100

61 88.7 12.7 19.1#

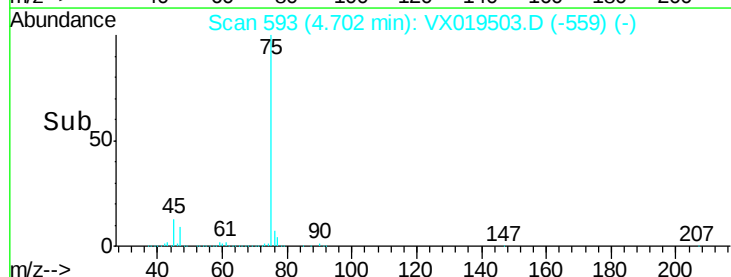
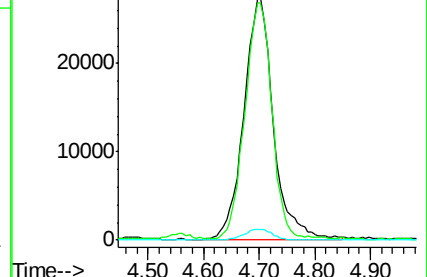
70 4.3 10.2 15.2#

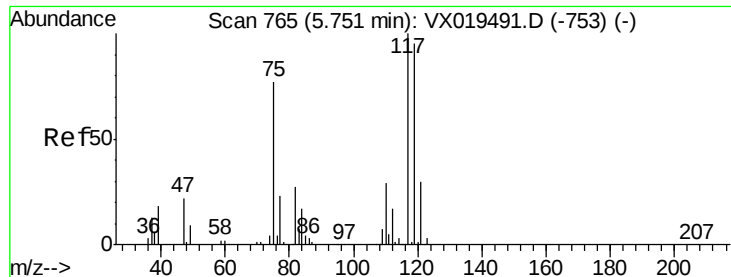


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 70.00 (69.70 to 70.70): VX0

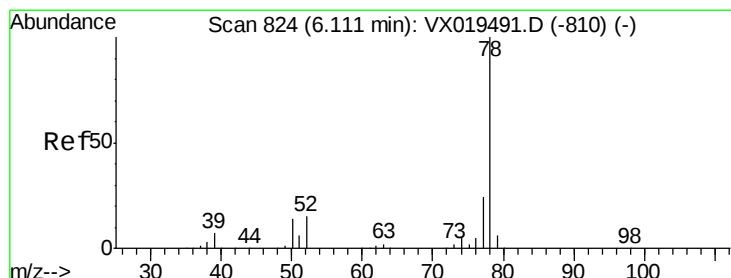
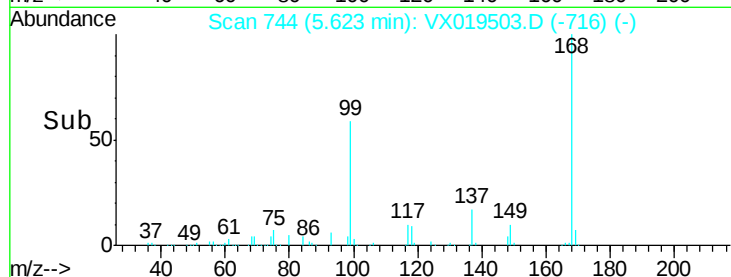
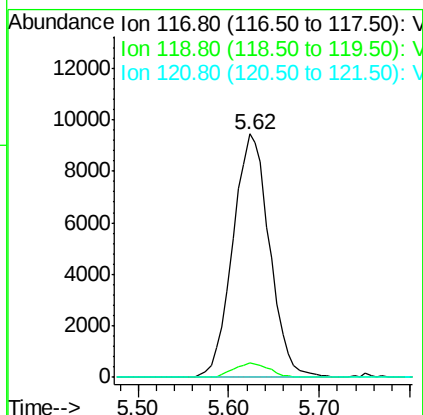
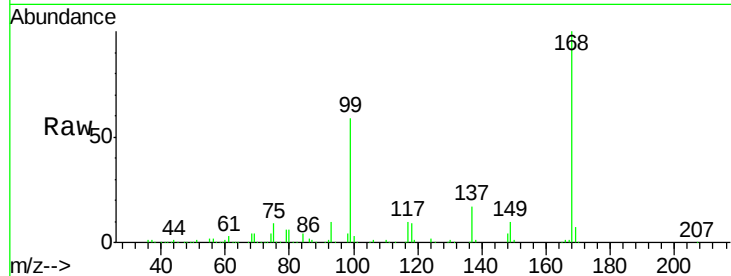




#38
Carbon Tetrachloride
Concen: 6.542 ug/l
RT: 5.62 min Scan# 744
Delta R.T. -0.13 min
Lab File: VX019503.D
Acq: 20 Nov 2020 18:12

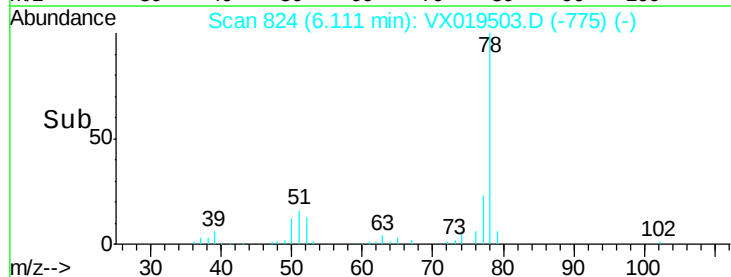
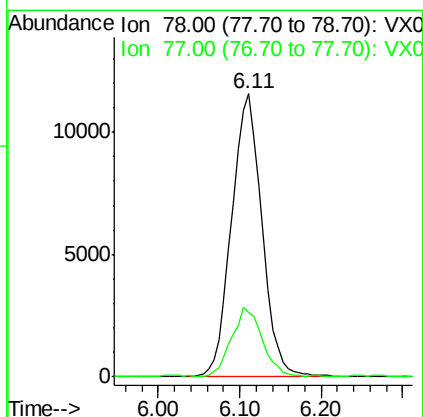
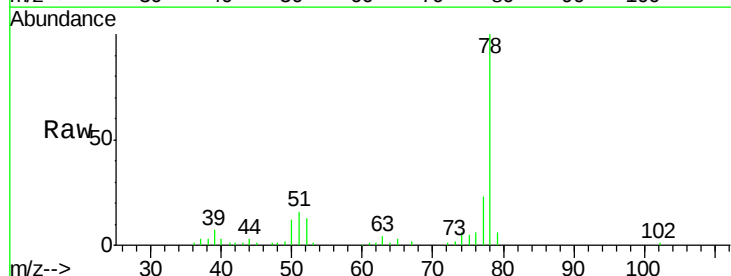
Instrument :
MSVOA_X
ClientSampleId :
201118060-02-VOA

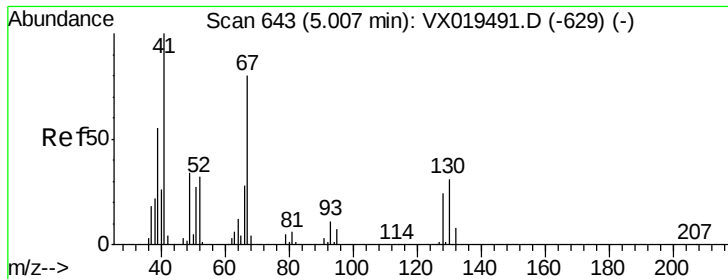
Tot Ion:117 Resp: 26497
Ion Ratio Lower Upper
117 100
119 5.8 75.9 113.9#
121 0.0 24.0 36.0#



#40
Benzene
Concen: 2.316 ug/l
RT: 6.11 min Scan# 824
Delta R.T. -0.00 min
Lab File: VX019503.D
Acq: 20 Nov 2020 18:12

Tgt Ion: 78 Resp: 29782
Ion Ratio Lower Upper
78 100
77 22.8 18.9 28.3





#41

Methacrylonitrile

Concen: 181.819 ug/l

RT: 5.09 min Scan# 657

Delta R.T. 0.09 min

Lab File: VX019503.D

Acq: 20 Nov 2020 18:12

Instrument :

MSVOA_X

ClientSampleId :

201118060-02-VOA

Tot Ion: 41 Resp: 393882

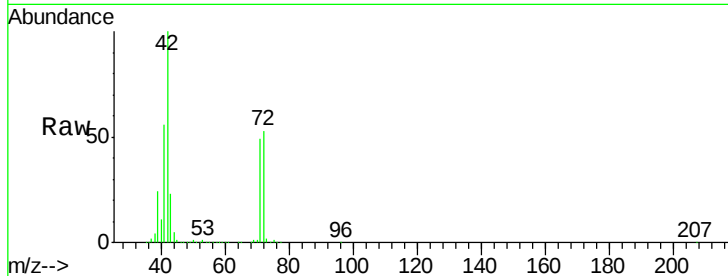
Ion Ratio Lower Upper

41 100

39 43.9 43.3 64.9

67 0.0 66.0 99.0#

52 0.2 25.4 38.2#

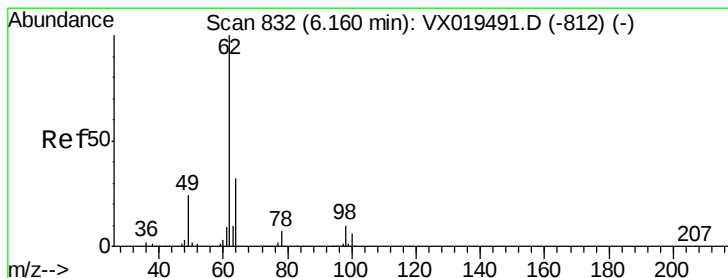
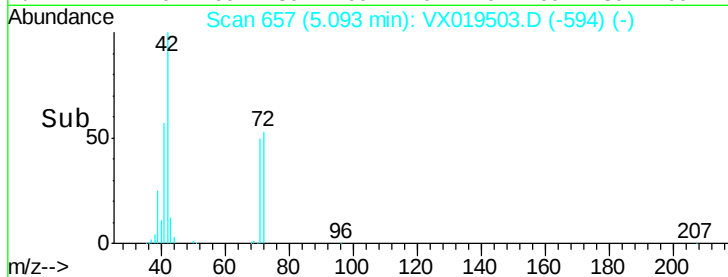
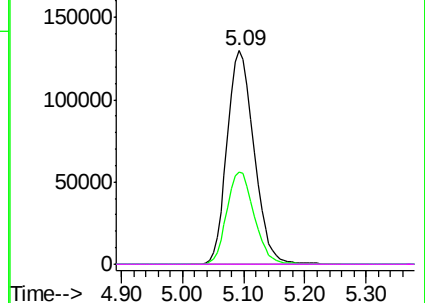


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 0.497 ug/l

RT: 6.15 min Scan# 831

Delta R.T. -0.01 min

Lab File: VX019503.D

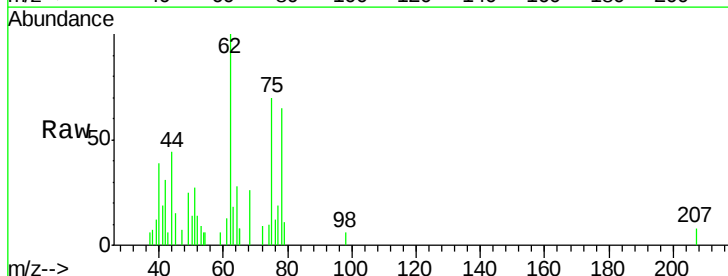
Acq: 20 Nov 2020 18:12

Tgt Ion: 62 Resp: 2190

Ion Ratio Lower Upper

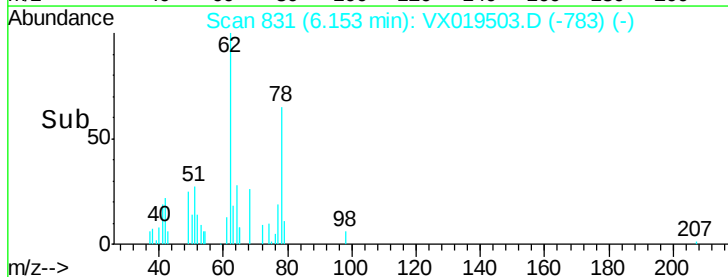
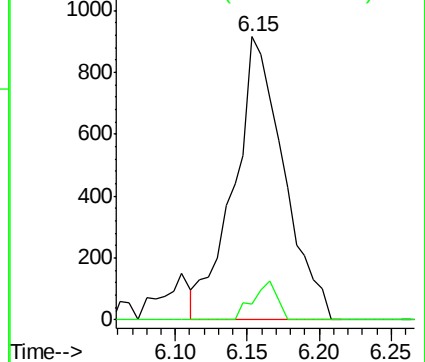
62 100

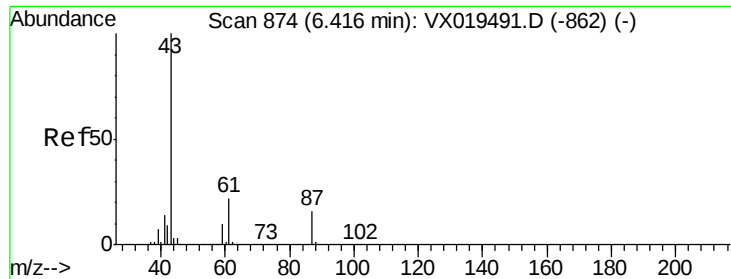
98 6.6 0.0 20.0



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 0.449 ug/l

RT: 6.42 min Scan# 875

Delta R.T. 0.01 min

Lab File: VX019503.D

Acq: 20 Nov 2020 18:12

Instrument :

MSVOA_X

ClientSampleId :

201118060-02-VOA

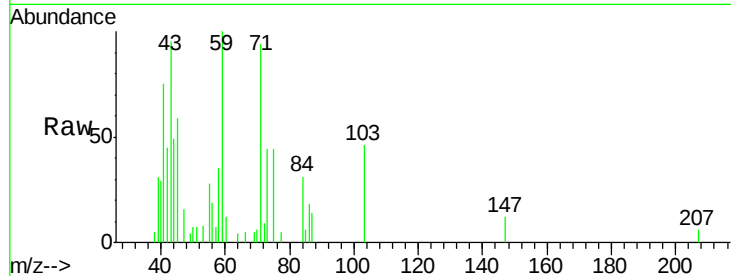
Tot Ion: 43 Resp: 2968

Ion Ratio Lower Upper

43 100

61 0.0 18.2 27.2#

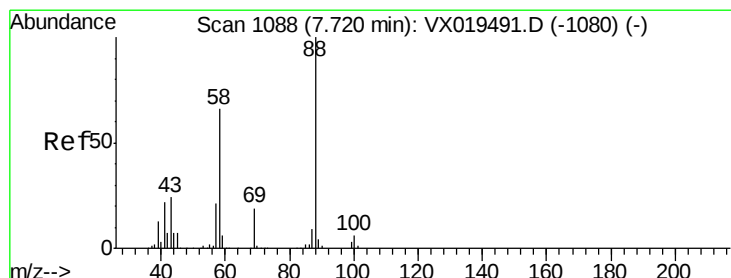
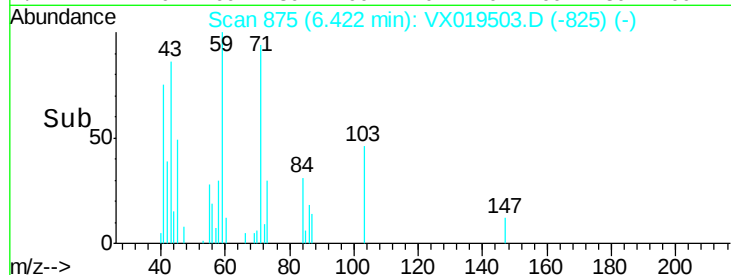
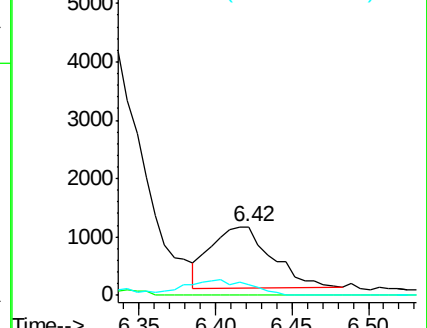
87 26.4 12.6 18.8#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



#49

1,4-Dioxane

Concen: 86.427 ug/l

RT: 7.72 min Scan# 1088

Delta R.T. -0.00 min

Lab File: VX019503.D

Acq: 20 Nov 2020 18:12

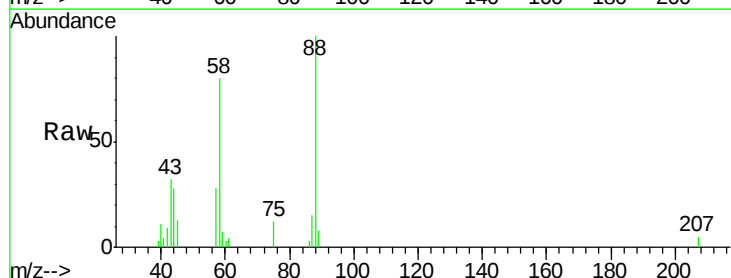
Tgt Ion: 88 Resp: 6069

Ion Ratio Lower Upper

88 100

43 28.3 23.8 35.6

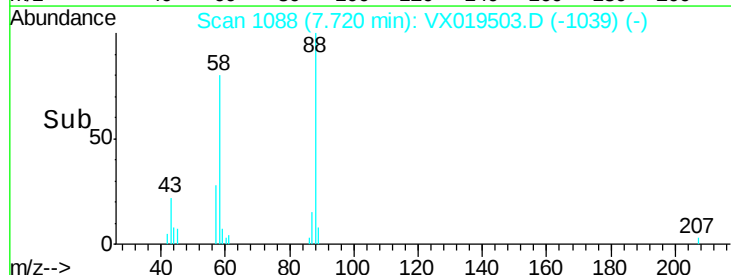
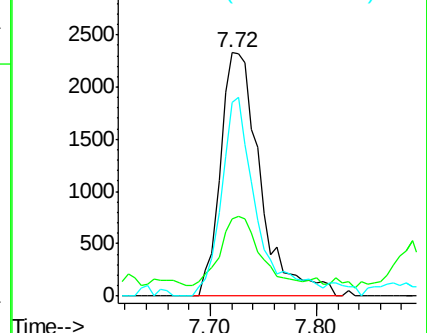
58 71.6 54.2 81.2

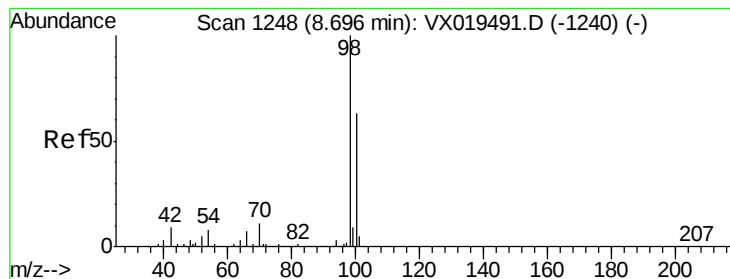


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 48.233 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX019503.D

Acq: 20 Nov 2020 18:12

Instrument :

MSVOA_X

ClientSampleId :

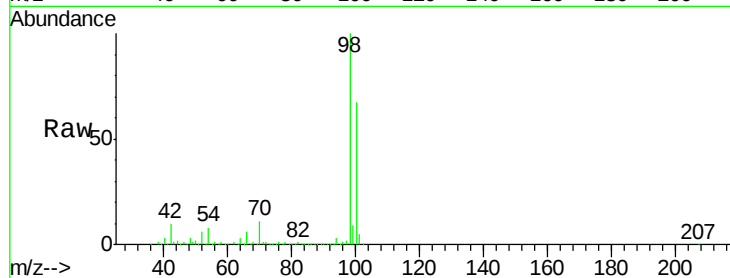
201118060-02-VOA

Tot Ion: 98 Resp: 525128

Ion Ratio Lower Upper

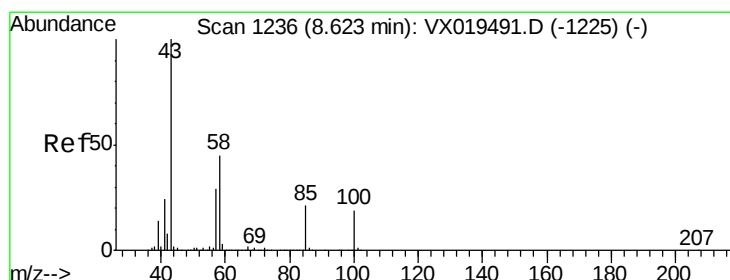
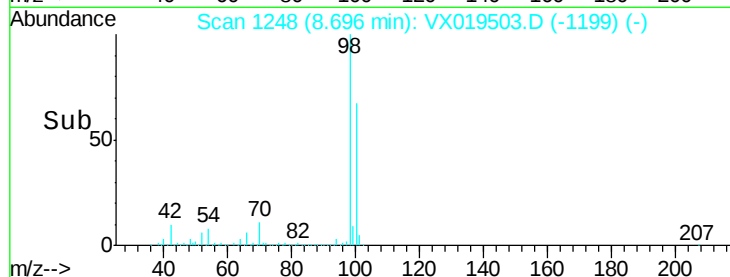
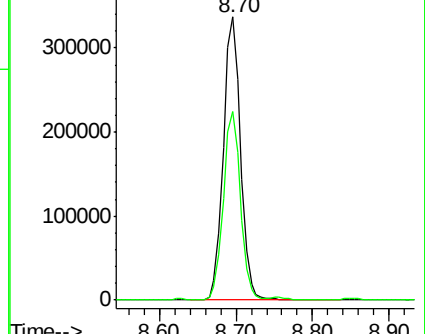
98 100

100 65.9 52.4 78.6



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0



#51

4-Methyl-2-Pentanone

Concen: 5.933 ug/l

RT: 8.62 min Scan# 1236

Delta R.T. -0.00 min

Lab File: VX019503.D

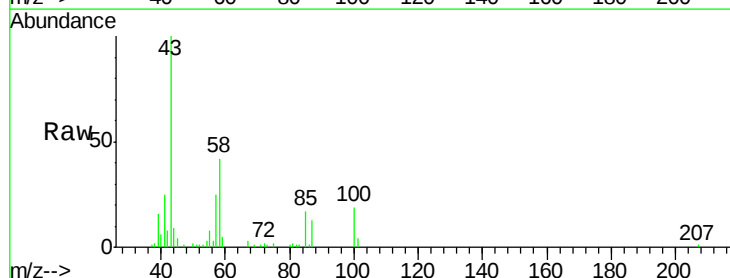
Acq: 20 Nov 2020 18:12

Tgt Ion: 43 Resp: 22849

Ion Ratio Lower Upper

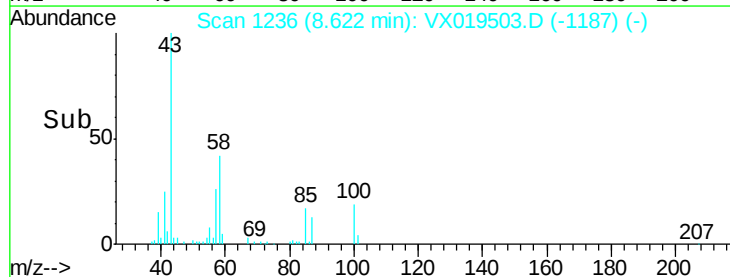
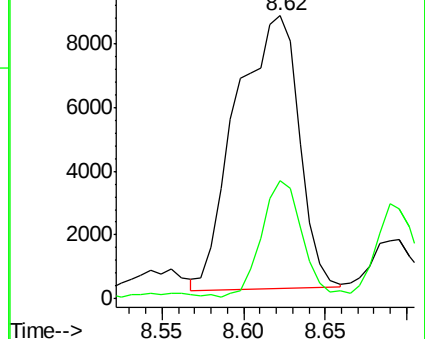
43 100

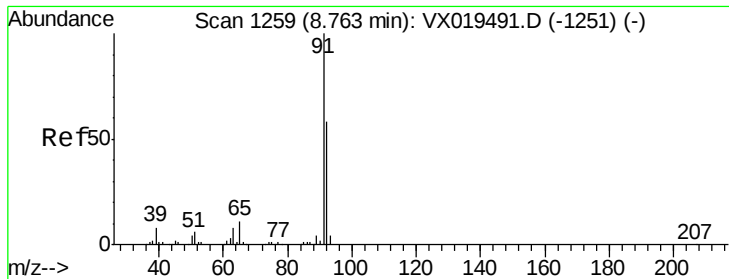
58 27.6 35.1 52.7#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#52

Toluene

Concen: 1.382 ug/l

RT: 8.76 min Scan# 1259

Delta R.T. -0.00 min

Lab File: VX019503.D

Acq: 20 Nov 2020 18:12

Instrument :

MSVOA_X

ClientSampleId :

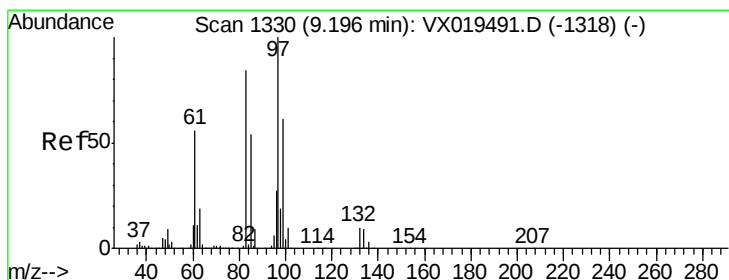
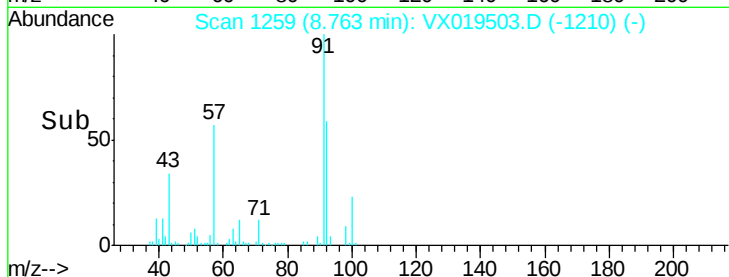
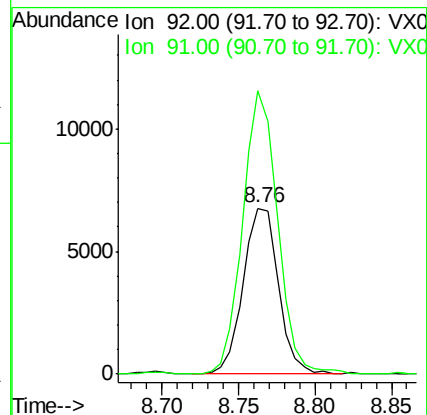
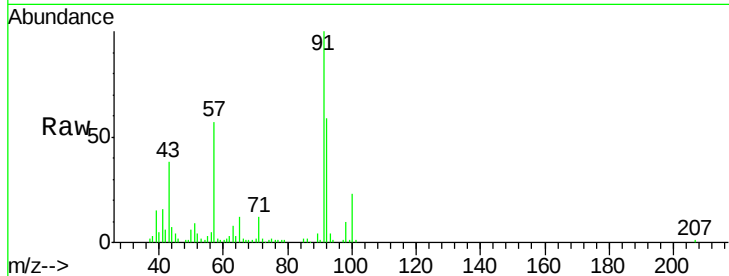
201118060-02-VOA

Tot Ion: 92 Resp: 10870

Ion Ratio Lower Upper

92 100

91 168.4 138.1 207.1



#55

1,1,2-Trichloroethane

Concen: 0.383 ug/l

RT: 9.12 min Scan# 1318

Delta R.T. -0.07 min

Lab File: VX019503.D

Acq: 20 Nov 2020 18:12

Tgt Ion: 97 Resp: 1226

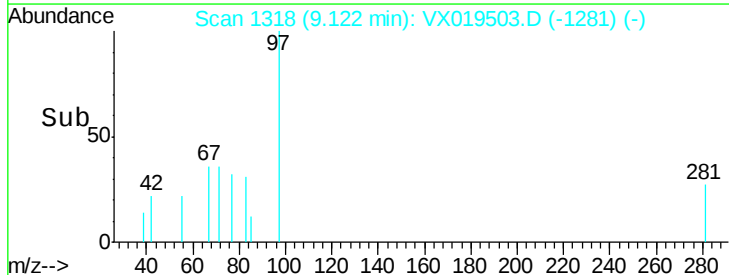
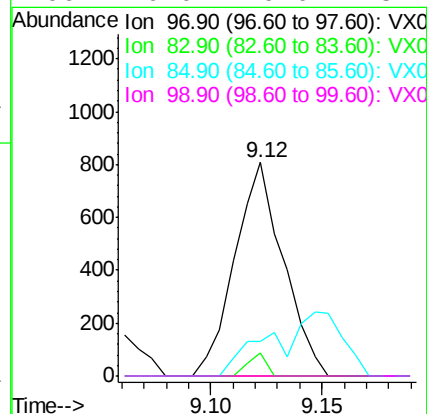
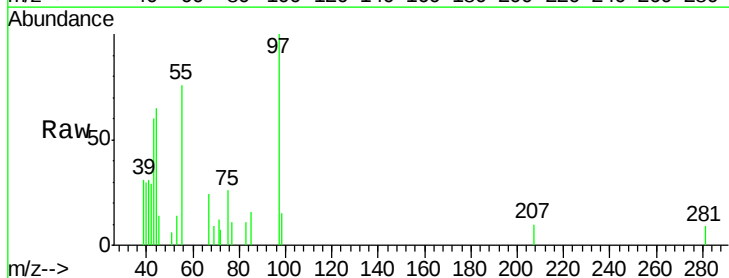
Ion Ratio Lower Upper

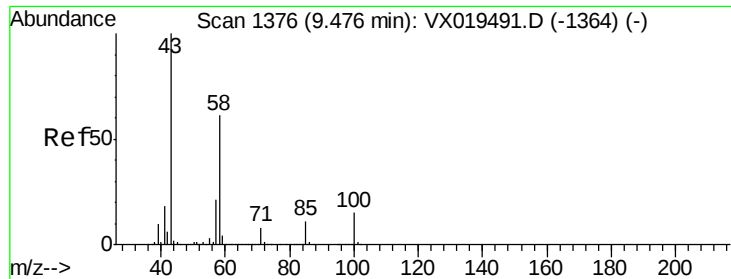
97 100

83 10.6 67.0 100.6#

85 16.1 43.4 65.0#

99 0.0 49.0 73.4#

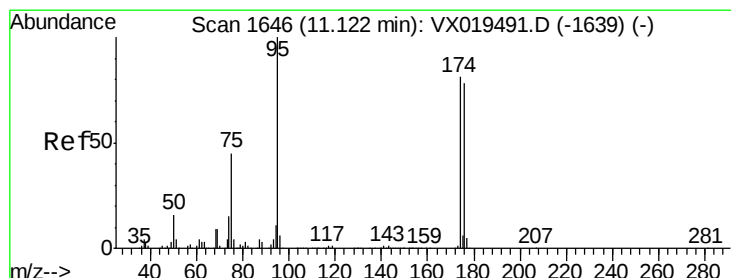
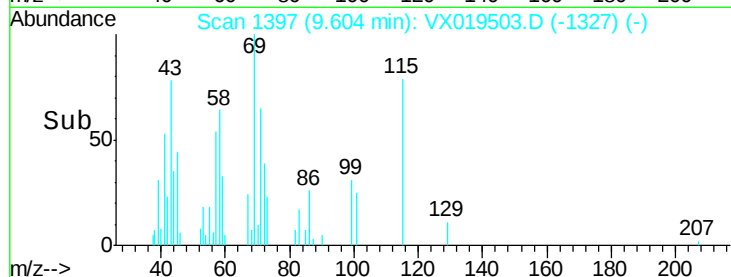
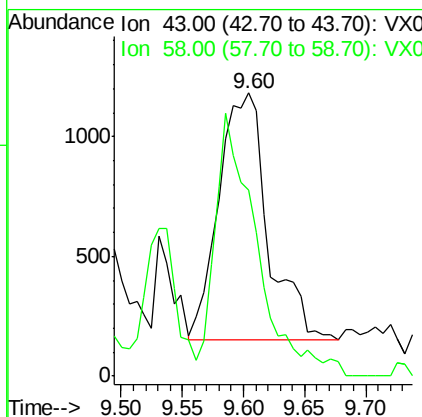
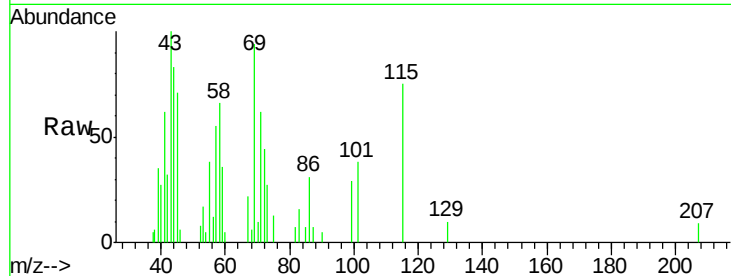




#59
2-Hexanone
Concen: 0.984 ug/l
RT: 9.60 min Scan# 1397
Delta R.T. 0.13 min
Lab File: VX019503.D
Acq: 20 Nov 2020 18:12

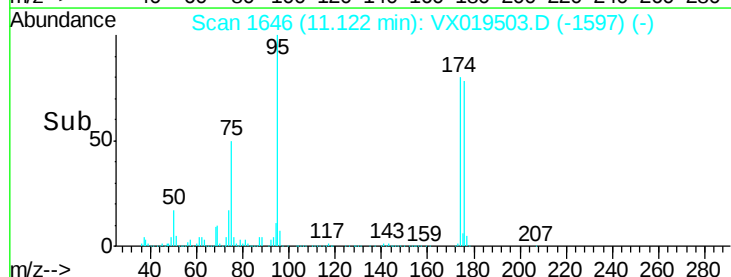
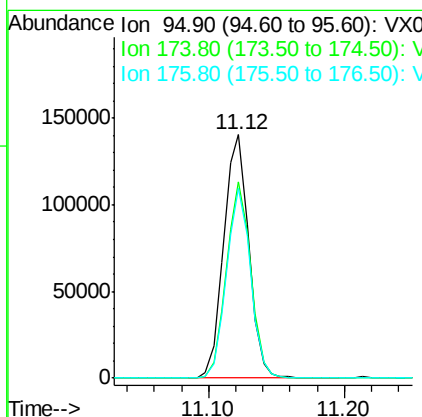
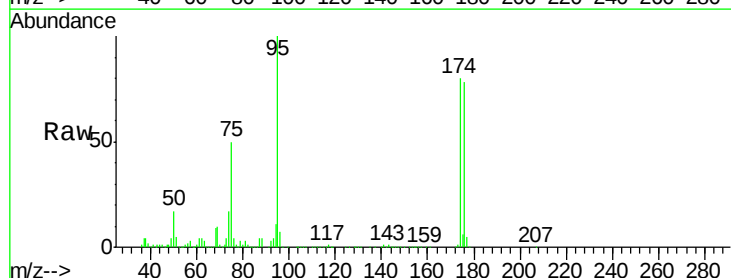
Instrument :
MSVOA_X
ClientSampleId :
201118060-02-VOA

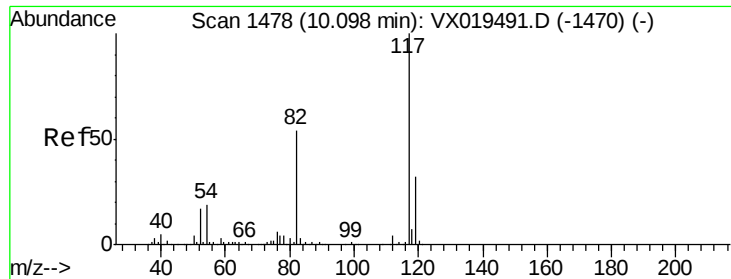
Tot Ion: 43 Resp: 2874
Ion Ratio Lower Upper
43 100
58 90.8 30.6 91.6



#62
4-Bromofluorobenzene
Concen: 45.706 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX019503.D
Acq: 20 Nov 2020 18:12

Tgt Ion: 95 Resp: 179038
Ion Ratio Lower Upper
95 100
174 78.3 0.0 156.2
176 75.2 0.0 151.4

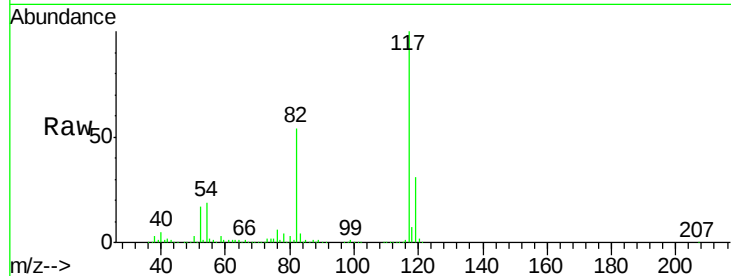




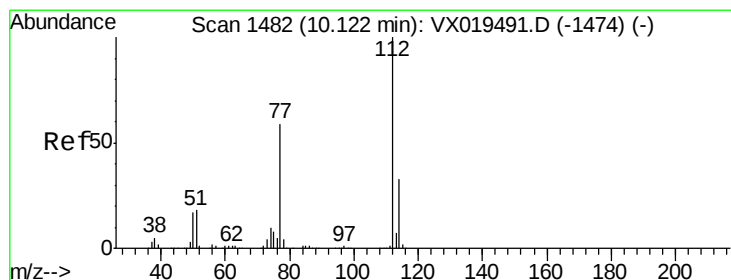
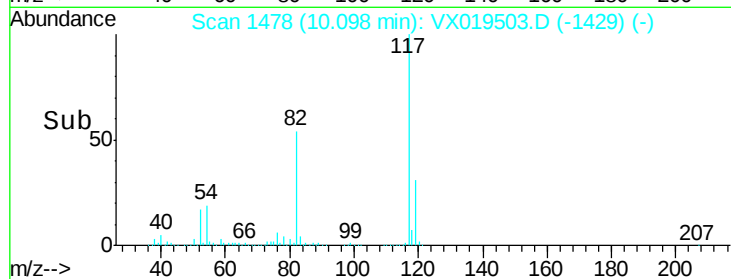
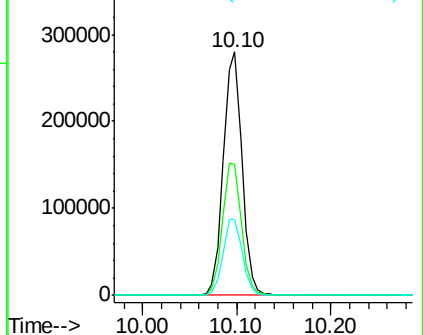
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX019503.D
Acq: 20 Nov 2020 18:12

Instrument :
MSVOA_X
ClientSampleId :
201118060-02-VOA

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.0	43.0	64.4
119	31.2	25.6	38.4

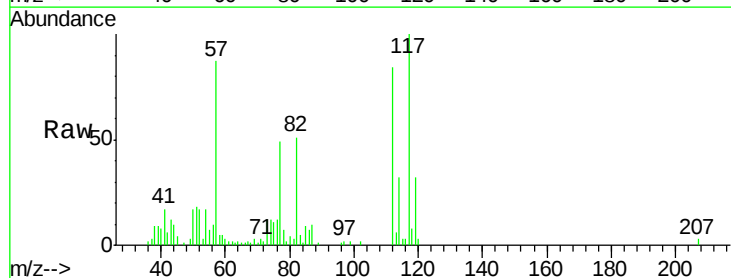


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

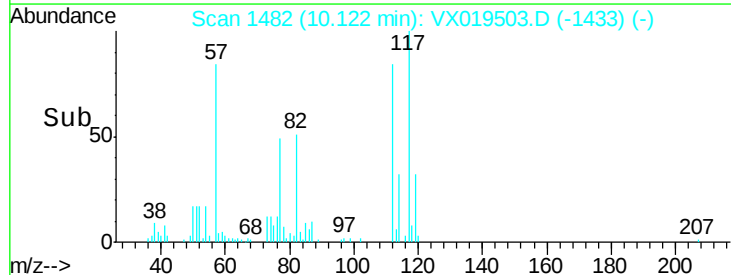
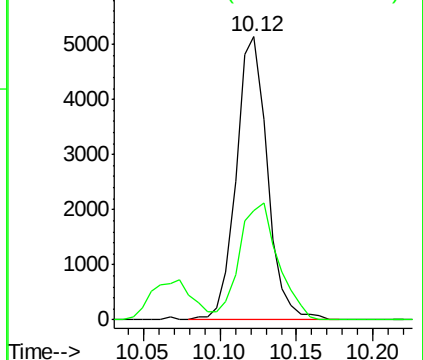


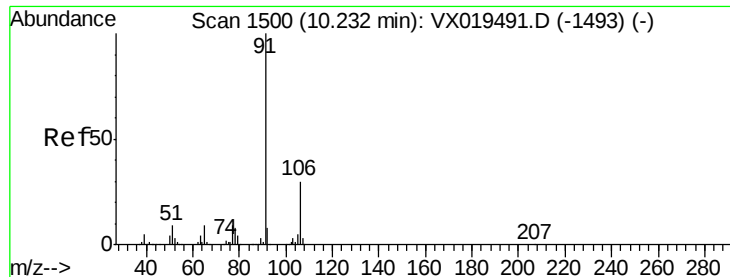
#65
Chlorobenzene
Concen: 0.915 ug/l
RT: 10.12 min Scan# 1482
Delta R.T. -0.00 min
Lab File: VX019503.D
Acq: 20 Nov 2020 18:12

Tgt Ion	Ratio	Lower	Upper
112	100		
114	38.4	26.0	39.0



Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V





#67

Ethyl Benzene

Concen: 1.711 ug/l

RT: 10.23 min Scan# 1500

Delta R.T. -0.00 min

Lab File: VX019503.D

Acq: 20 Nov 2020 18:12

Instrument :

MSVOA_X

ClientSampleId :

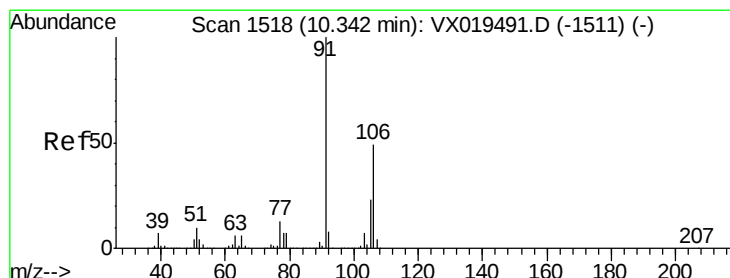
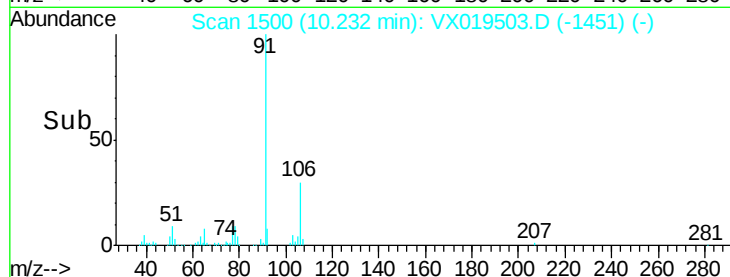
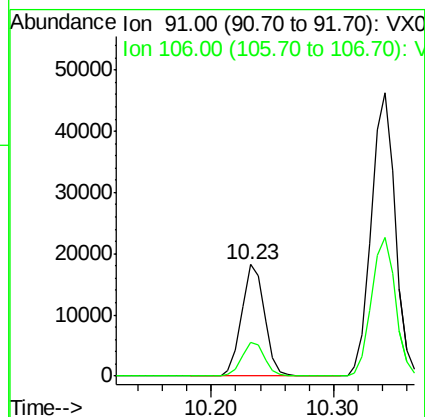
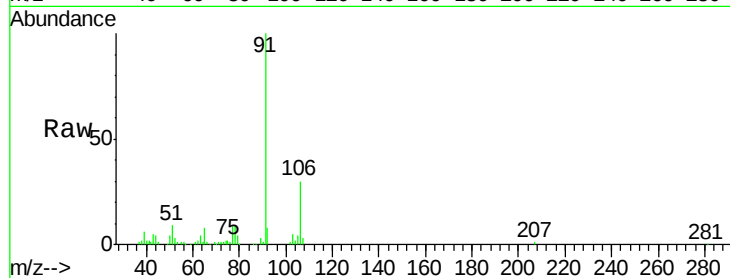
201118060-02-VOA

Tot Ion: 91 Resp: 23792

Ion Ratio Lower Upper

91 100

106 30.0 24.0 36.0



#68

m/p-Xylenes

Concen: 5.986 ug/l

RT: 10.34 min Scan# 1518

Delta R.T. -0.00 min

Lab File: VX019503.D

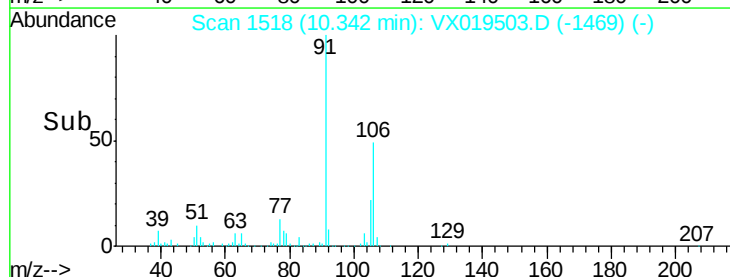
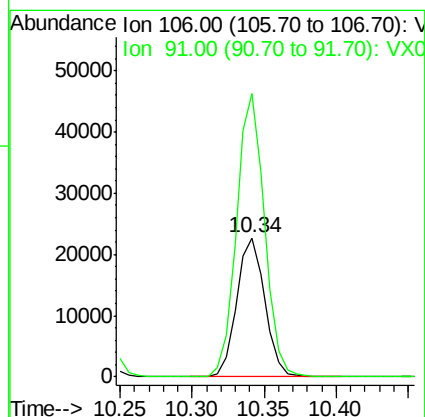
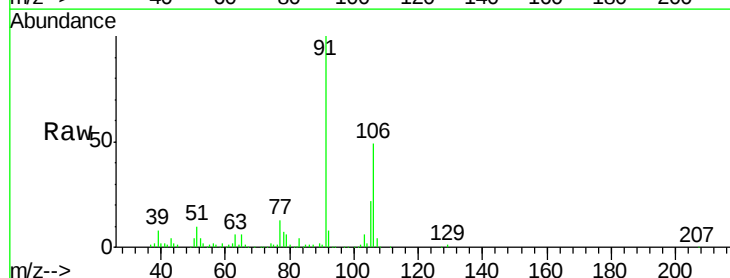
Acq: 20 Nov 2020 18:12

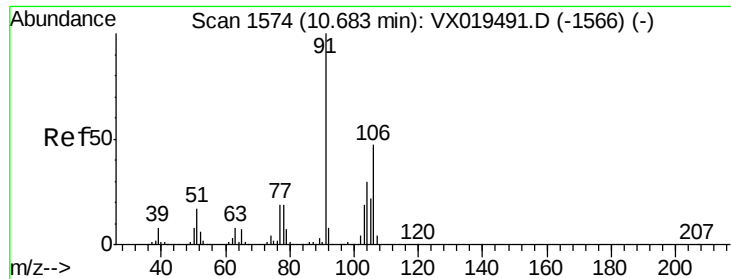
Tgt Ion: 106 Resp: 31009

Ion Ratio Lower Upper

106 100

91 201.3 163.3 244.9

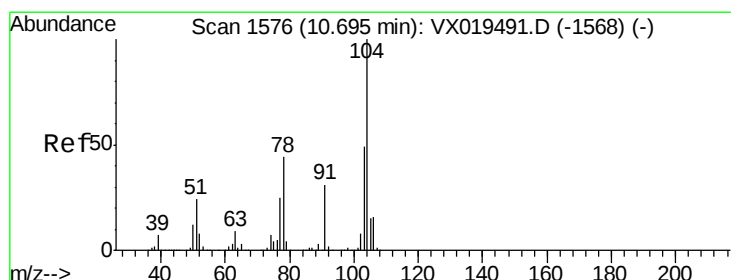
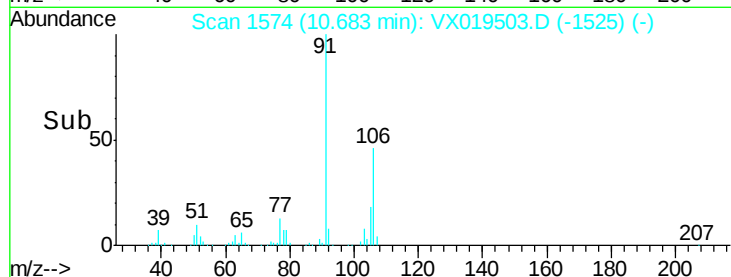
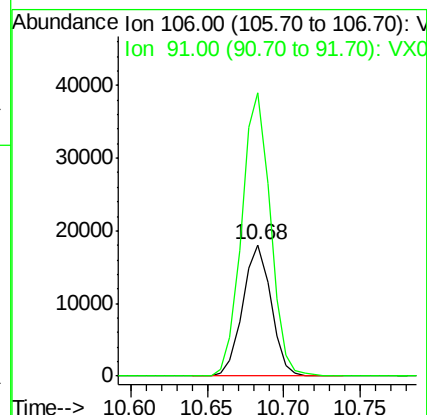
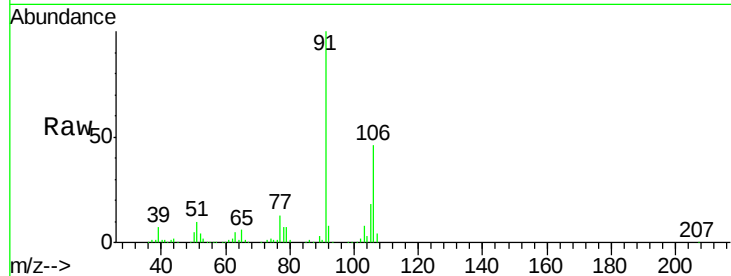




#69
o-Xylene
Concen: 4.708 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VX019503.D
Acq: 20 Nov 2020 18:12

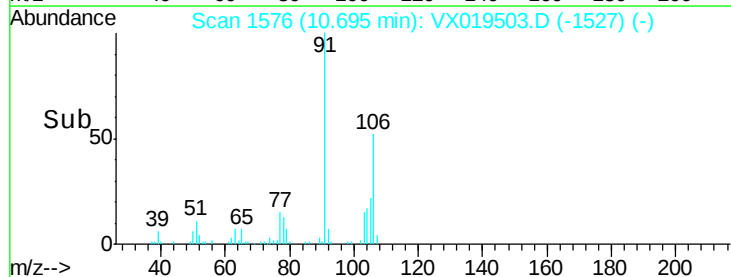
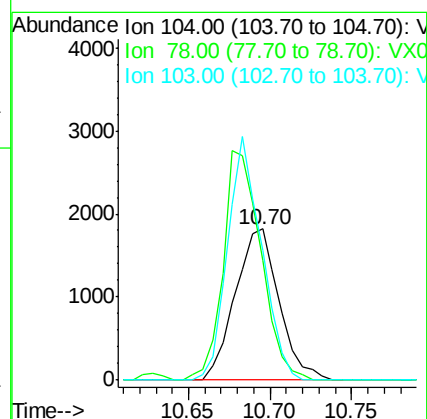
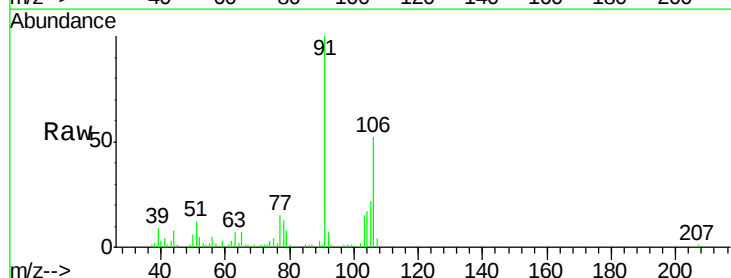
Instrument :
MSVOA_X
ClientSampleId :
201118060-02-VOA

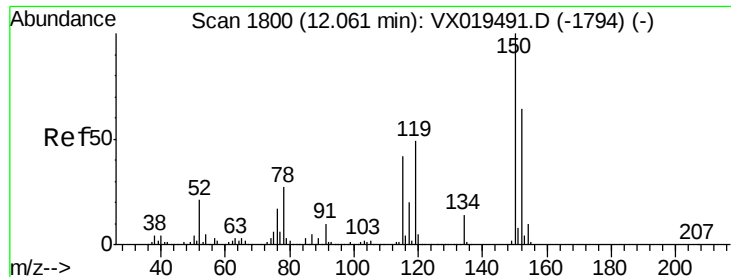
Tot Ion:106 Resp: 23312
Ion Ratio Lower Upper
106 100
91 218.0 108.0 324.0



#70
Styrene
Concen: 2.005 ug/l
RT: 10.70 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VX019503.D
Acq: 20 Nov 2020 18:12

Tgt Ion:104 Resp: 3404
Ion Ratio Lower Upper
104 100
78 130.8 39.5 59.3#
103 124.5 43.6 65.4#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX019503.D

Acq: 20 Nov 2020 18:12

Instrument :

MSVOA_X

ClientSampleId :

201118060-02-VOA

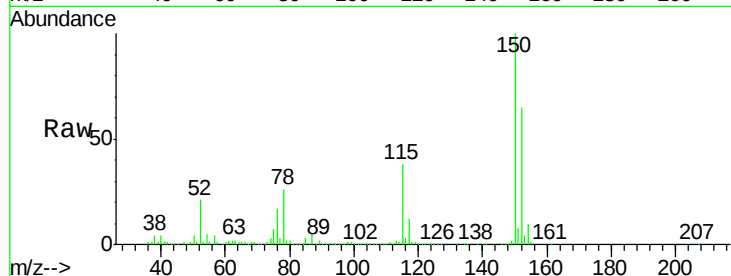
Tot Ion:152 Resp: 174977

Ion Ratio Lower Upper

152 100

115 59.4 41.8 125.4

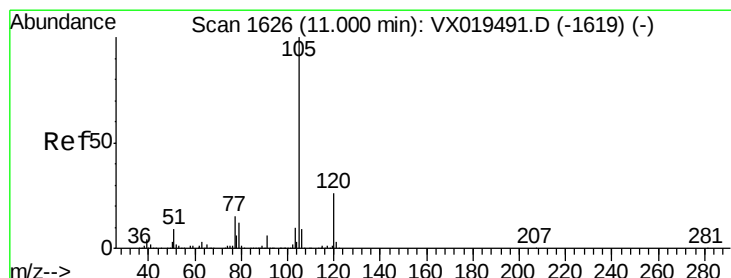
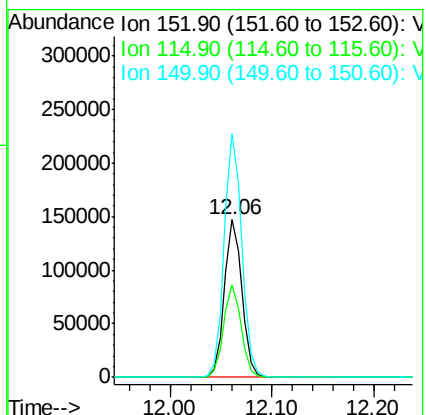
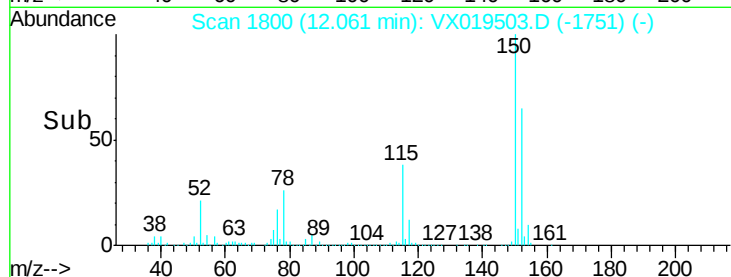
150 156.0 0.0 348.2



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 0.606 ug/l

RT: 11.00 min Scan# 1626

Delta R.T. -0.00 min

Lab File: VX019503.D

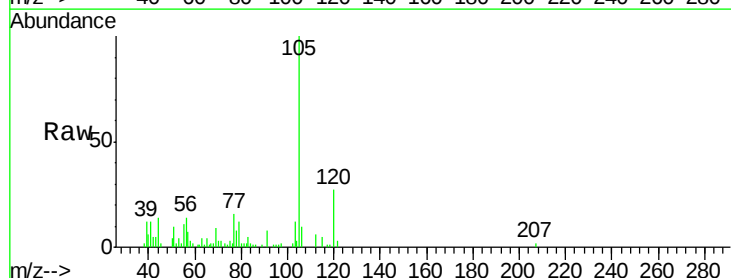
Acq: 20 Nov 2020 18:12

Tgt Ion:105 Resp: 7333

Ion Ratio Lower Upper

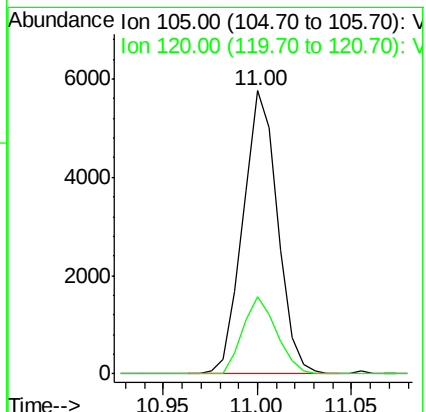
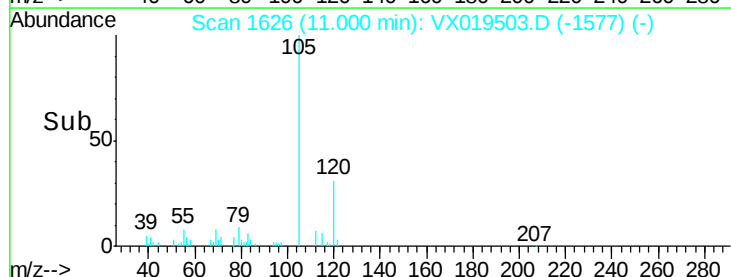
105 100

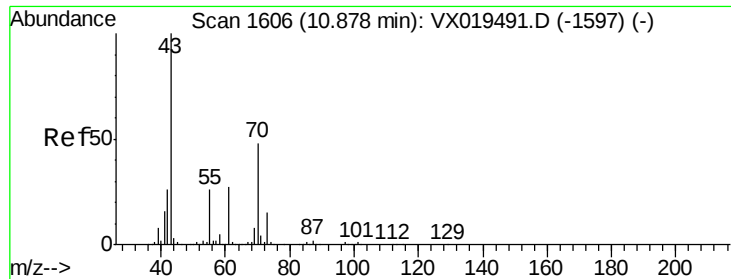
120 26.5 13.0 39.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 0.925 ug/l

RT: 10.93 min Scan# 1615

Delta R.T. 0.05 min

Lab File: VX019503.D

Acq: 20 Nov 2020 18:12

Instrument :

MSVOA_X

ClientSampleId :

201118060-02-VOA

Tot Ion: 43 Resp: 4194

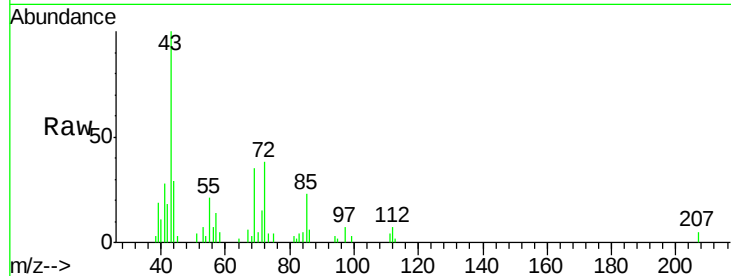
Ion Ratio Lower Upper

43 100

70 0.0 39.7 59.5#

55 26.4 21.8 32.6

61 0.0 22.2 33.4#

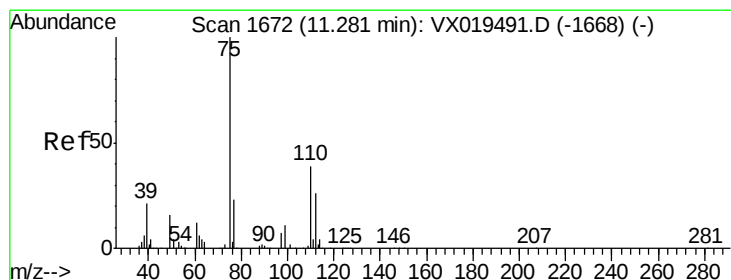
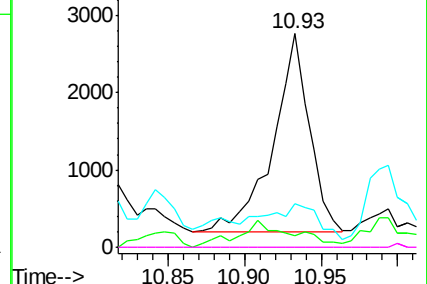
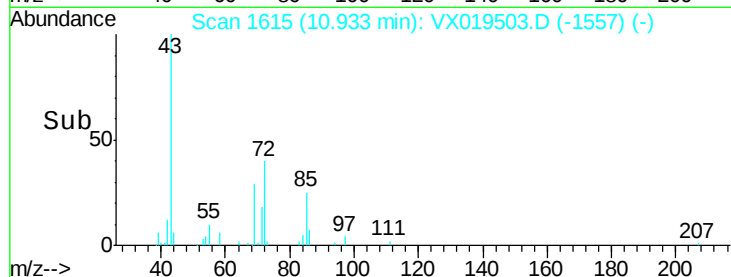


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0



#76

1,2,3-Trichloropropane

Concen: 23.169 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX019503.D

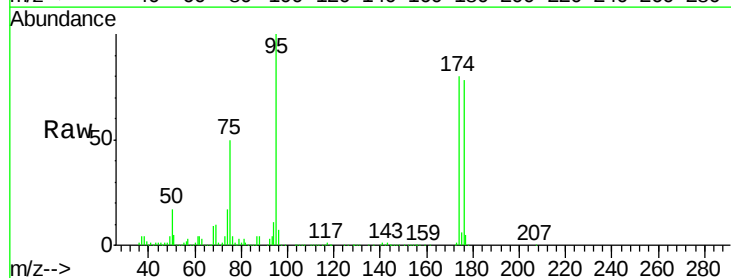
Acq: 20 Nov 2020 18:12

Tgt Ion: 75 Resp: 88472

Ion Ratio Lower Upper

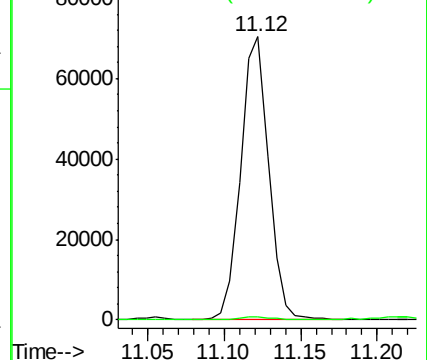
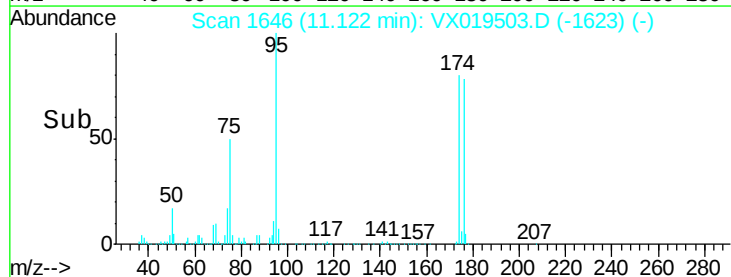
75 100

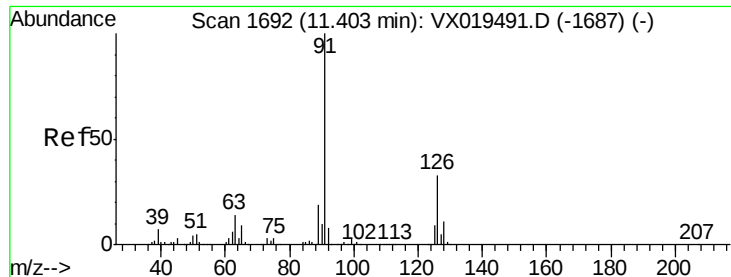
77 1.5 20.0 60.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

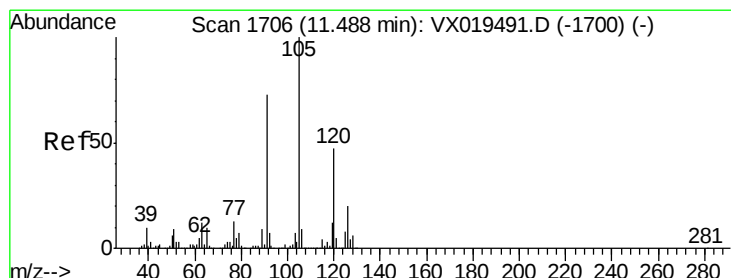
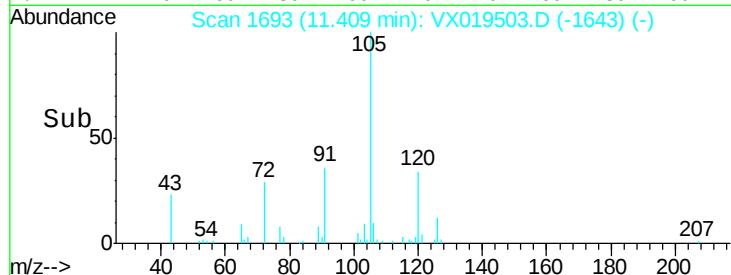
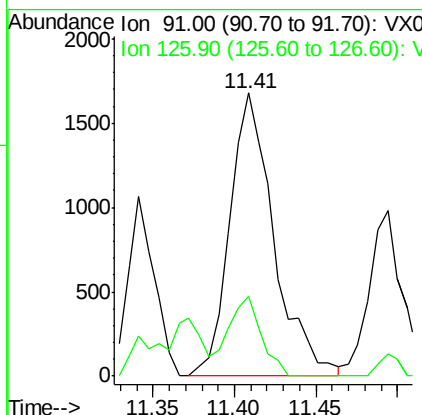
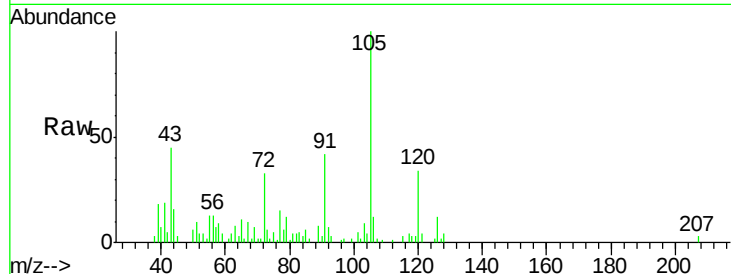




#79
2-Chlorotoluene
Concen: 0.375 ug/l
RT: 11.41 min Scan# 1693
Delta R.T. 0.01 min
Lab File: VX019503.D
Acq: 20 Nov 2020 18:12

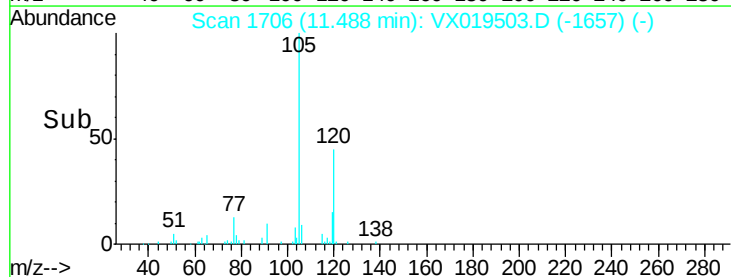
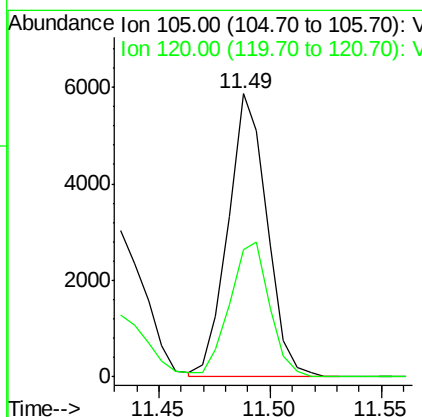
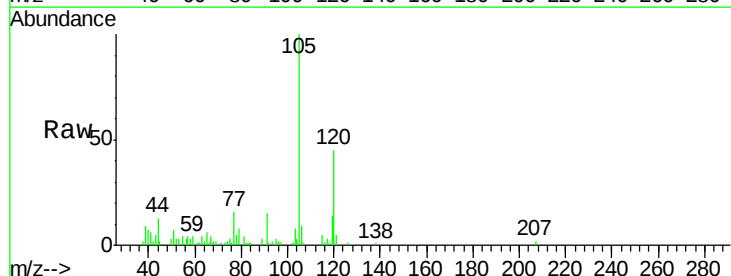
Instrument :
MSVOA_X
ClientSampleId :
201118060-02-VOA

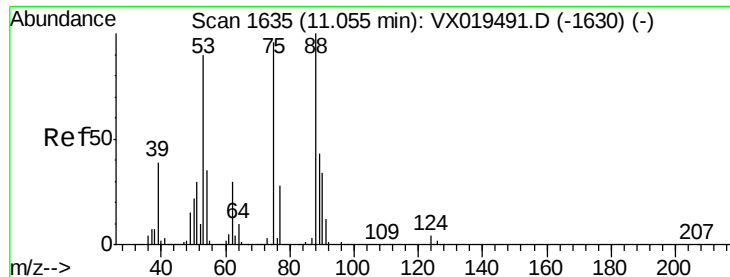
Tot Ion: 91 Resp: 3159
Ion Ratio Lower Upper
91 100
126 21.3 16.7 50.0



#80
1,3,5-Trimethylbenzene
Concen: 0.705 ug/l
RT: 11.49 min Scan# 1706
Delta R.T. -0.00 min
Lab File: VX019503.D
Acq: 20 Nov 2020 18:12

Tgt Ion: 105 Resp: 7159
Ion Ratio Lower Upper
105 100
120 48.6 24.1 72.3





#81

trans-1,4-Dichloro-2-butene

Concen: 61.512 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX019503.D

Acq: 20 Nov 2020 18:12

Instrument :

MSVOA_X

ClientSampleId :

201118060-02-VOA

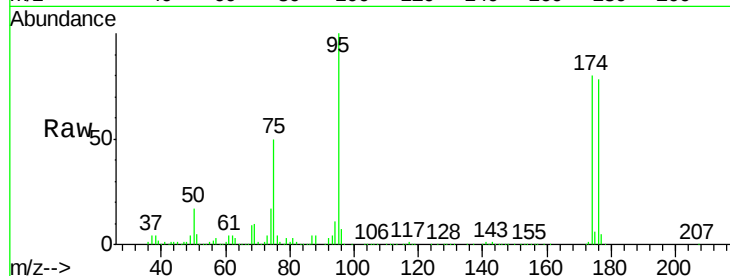
Tot Ion: 75 Resp: 88472

Ion Ratio Lower Upper

75 100

53 0.2 73.9 110.9#

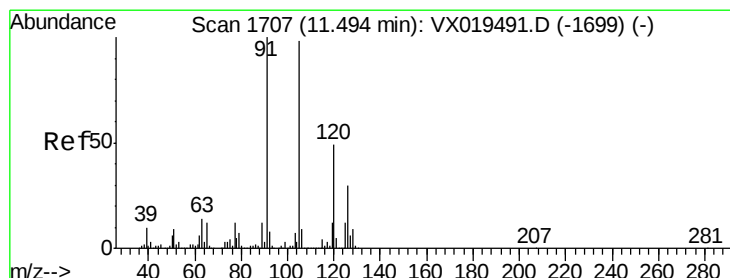
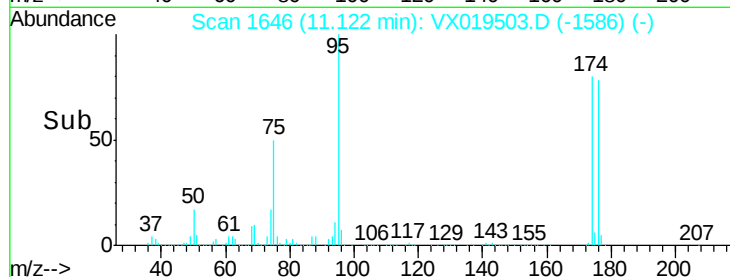
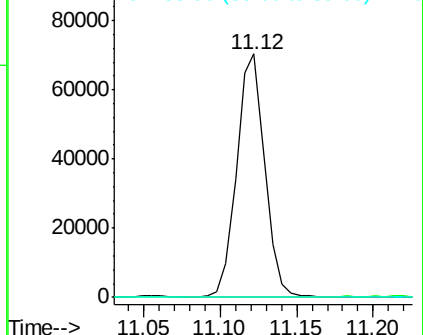
89 0.0 37.3 55.9#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 0.319 ug/l

RT: 11.41 min Scan# 1693

Delta R.T. -0.09 min

Lab File: VX019503.D

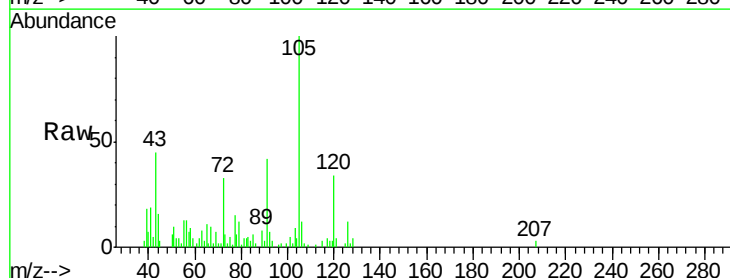
Acq: 20 Nov 2020 18:12

Tgt Ion: 91 Resp: 3159

Ion Ratio Lower Upper

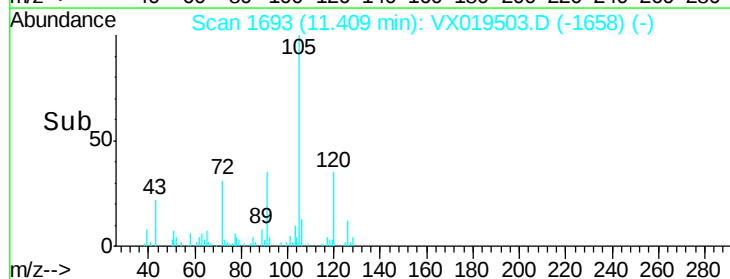
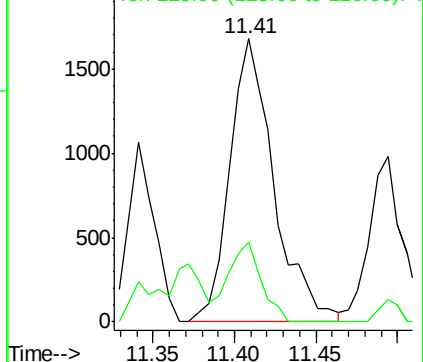
91 100

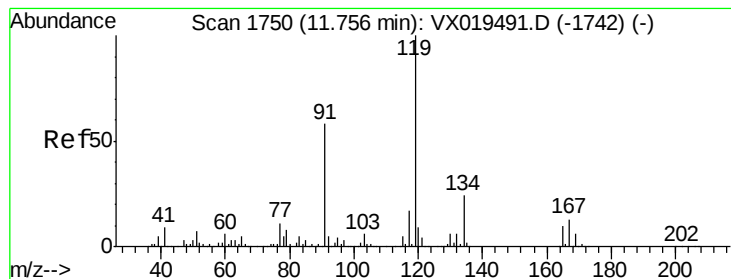
126 21.3 14.9 44.7



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 0.220 ug/l

RT: 12.01 min Scan# 1792

Delta R.T. 0.26 min

Lab File: VX019503.D

Acq: 20 Nov 2020 18:12

Instrument :

MSVOA_X

ClientSampleId :

201118060-02-VOA

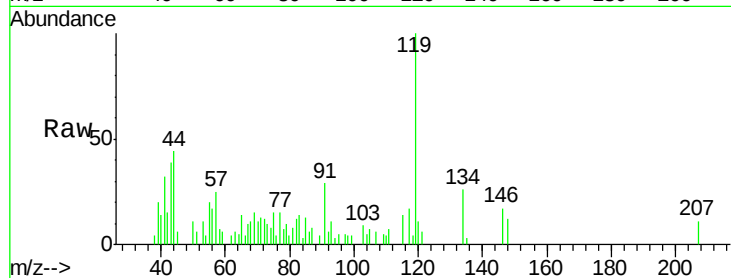
Tot Ion:119 Resp: 2163

Ion Ratio Lower Upper

119 100

91 30.0 28.9 86.8

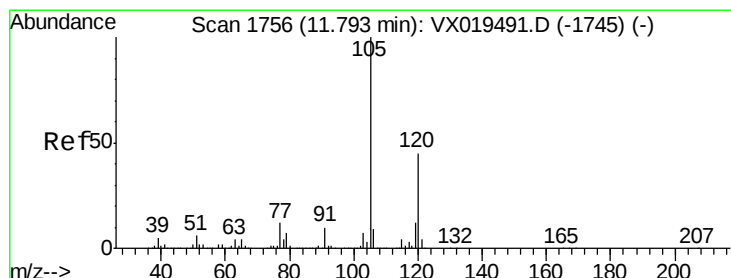
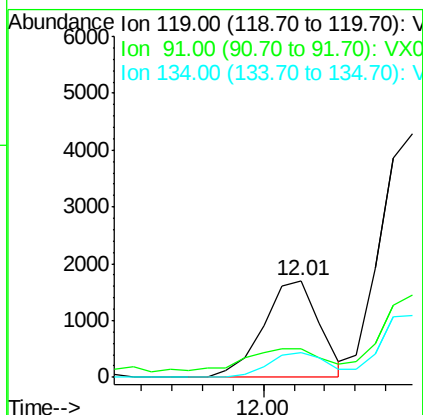
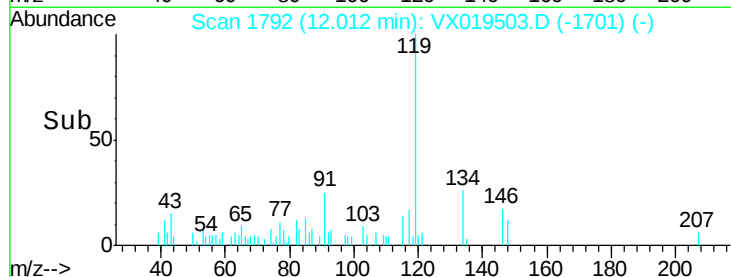
134 28.9 11.7 35.0



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 1.580 ug/l

RT: 11.79 min Scan# 1756

Delta R.T. -0.00 min

Lab File: VX019503.D

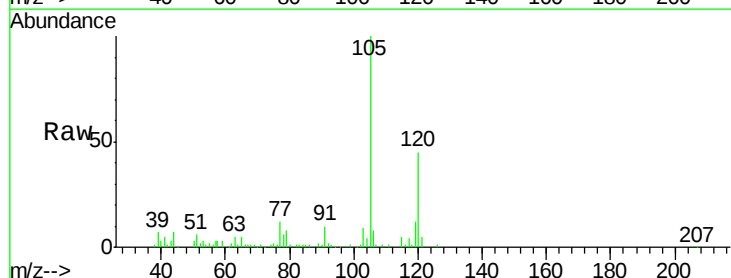
Acq: 20 Nov 2020 18:12

Tgt Ion:105 Resp: 16234

Ion Ratio Lower Upper

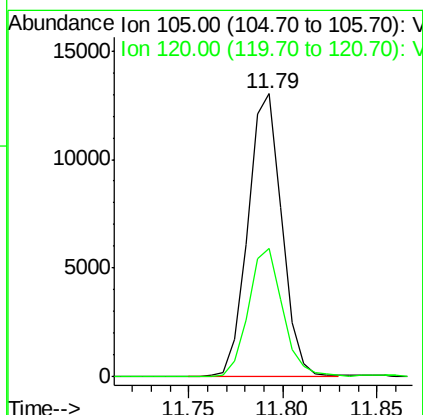
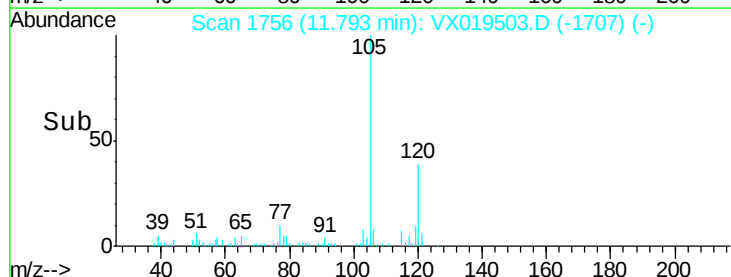
105 100

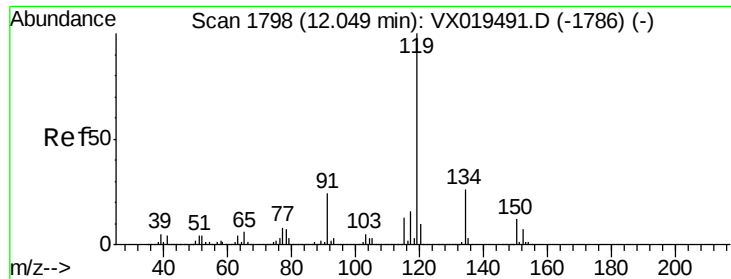
120 46.0 22.2 66.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

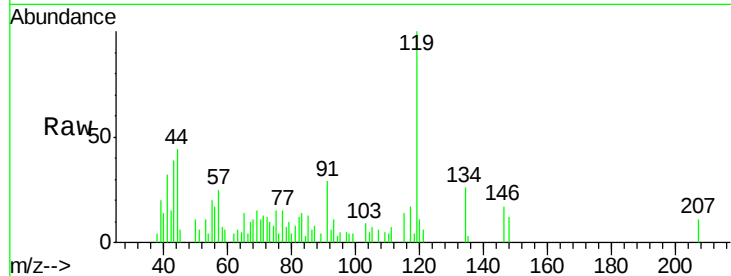




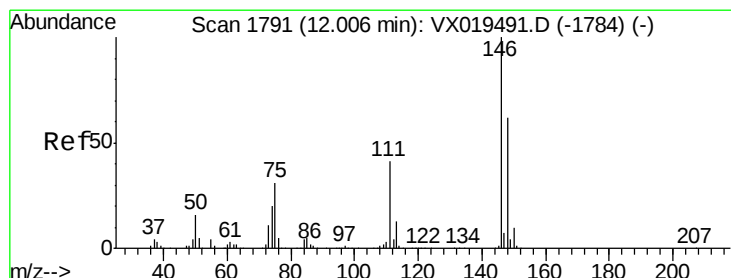
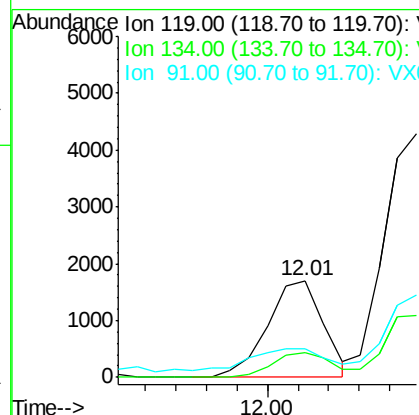
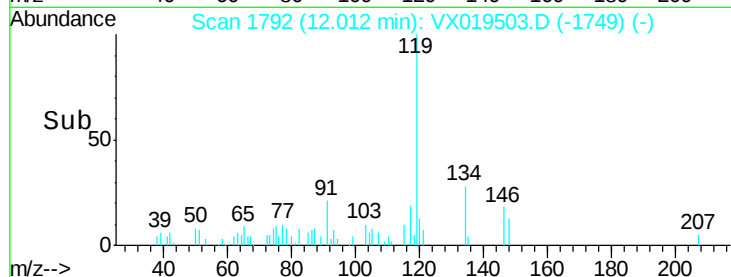
#86
p-Isopropyltoluene
Concen: 0.204 ug/l
RT: 12.01 min Scan# 1792
Delta R.T. -0.04 min
Lab File: VX019503.D
Acq: 20 Nov 2020 18:12

Instrument :
MSVOA_X
ClientSampleId :
201118060-02-VOA

Tot Ion:119 Resp: 2163
Ion Ratio Lower Upper
119 100
134 28.9 13.1 39.3
91 31.4 11.8 35.4

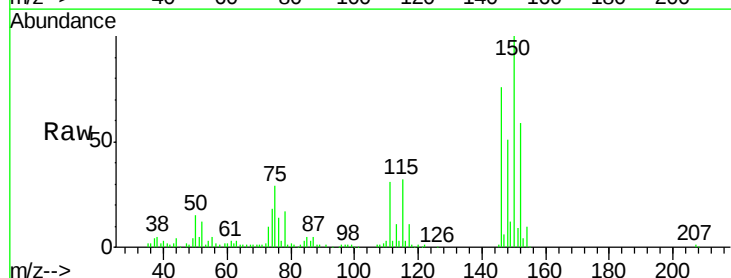


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 134.00 (133.70 to 134.70): V
Ion 91.00 (90.70 to 91.70): V

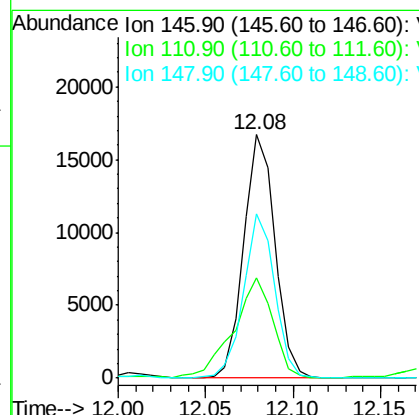
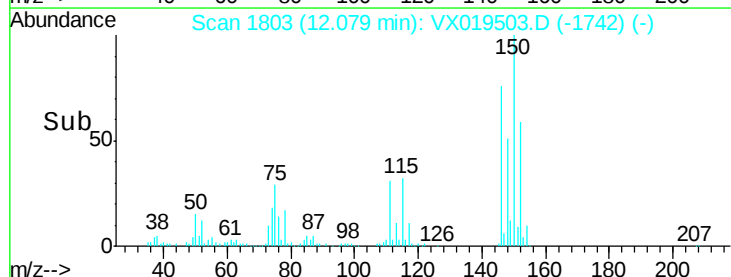


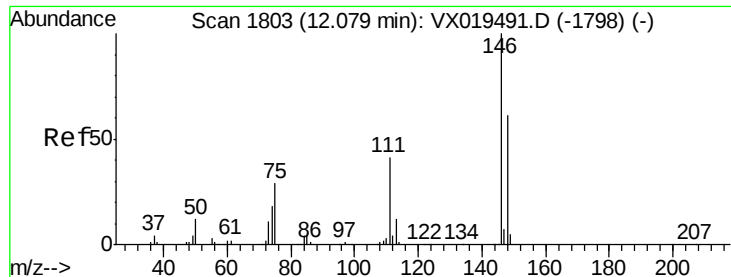
#87
1,3-Dichlorobenzene
Concen: 3.665 ug/l
RT: 12.08 min Scan# 1803
Delta R.T. 0.07 min
Lab File: VX019503.D
Acq: 20 Nov 2020 18:12

Tgt Ion:146 Resp: 20799
Ion Ratio Lower Upper
146 100
111 52.0 20.2 60.6
148 67.3 31.4 94.2



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

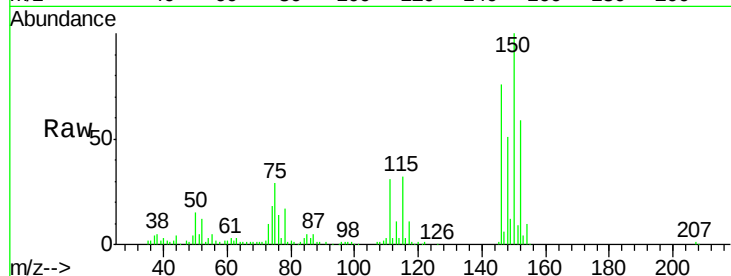




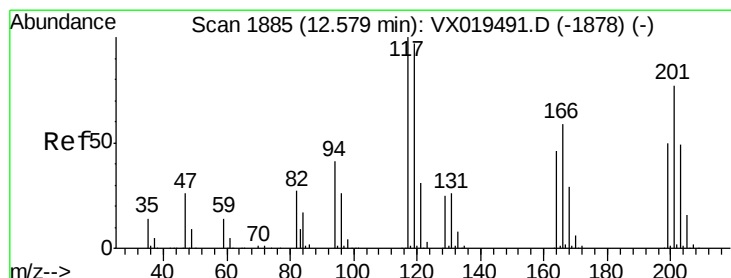
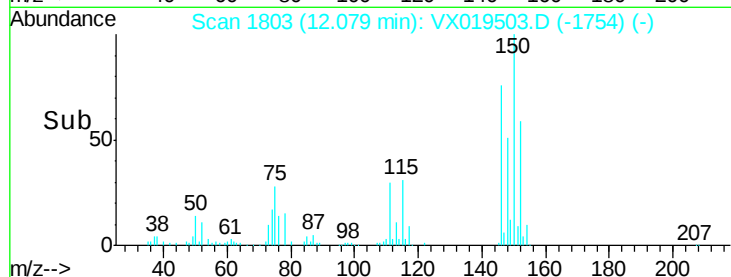
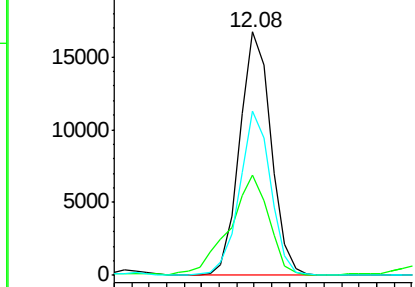
#88
 1,4-Dichlorobenzene
 Concen: 3.558 ug/l
 RT: 12.08 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VX019503.D
 Acq: 20 Nov 2020 18:12

Instrument :
 MSVOA_X
 ClientSampleId :
 201118060-02-VOA

Tot Ion:146 Resp: 20799
 Ion Ratio Lower Upper
 146 100
 111 52.0 19.9 59.6
 148 67.3 31.7 95.1

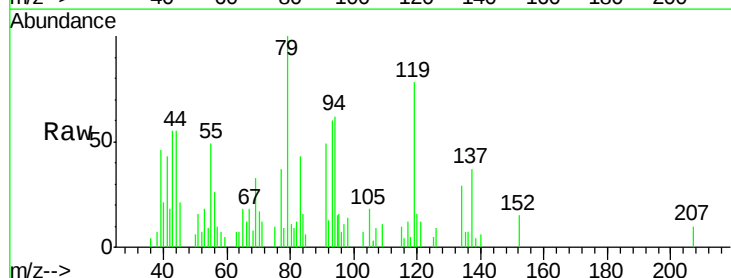


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

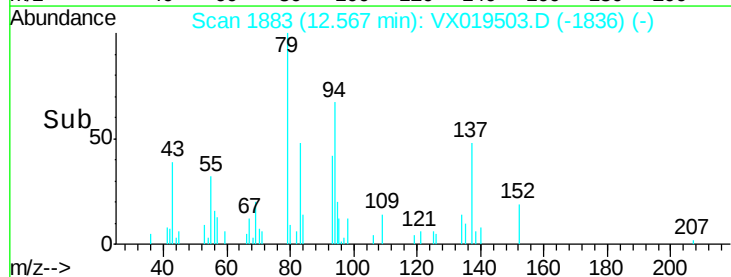
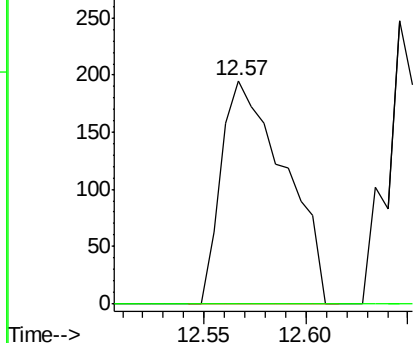


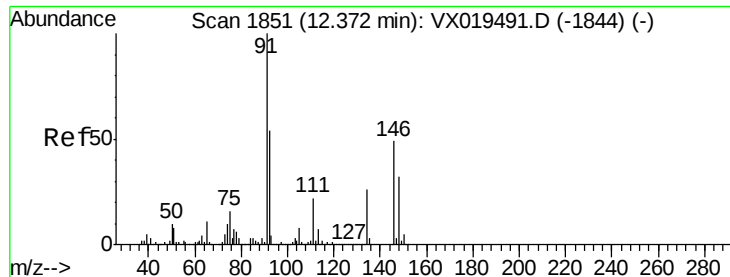
#90
 Hexachloroethane
 Concen: 0.238 ug/l
 RT: 12.57 min Scan# 1883
 Delta R.T. -0.01 min
 Lab File: VX019503.D
 Acq: 20 Nov 2020 18:12

Tgt Ion:117 Resp: 422
 Ion Ratio Lower Upper
 117 100
 201 0.0 39.4 118.2#



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

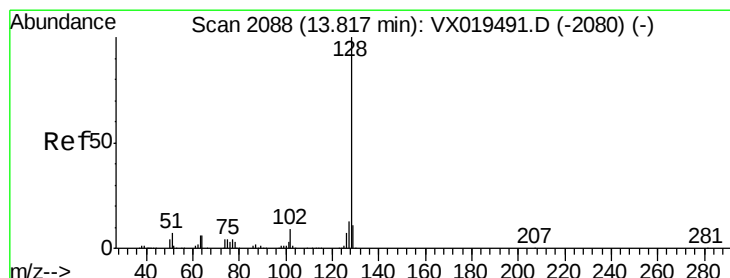
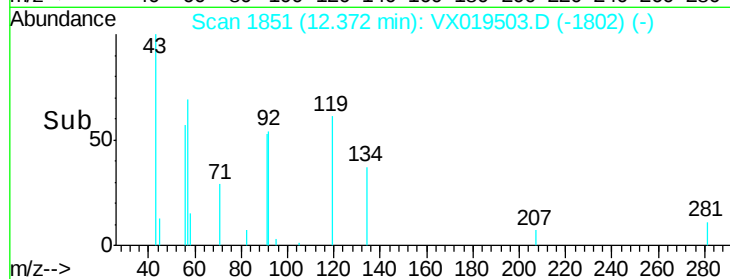
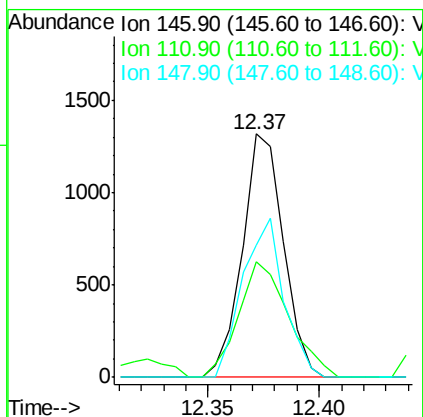
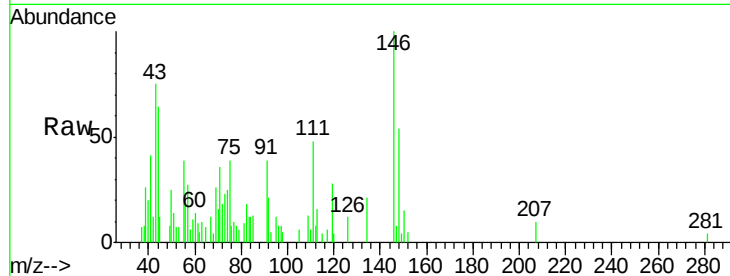




#91
 1,2-Dichlorobenzene
 Concen: 0.299 ug/l
 RT: 12.37 min Scan# 1851
 Delta R.T. -0.00 min
 Lab File: VX019503.D
 Acq: 20 Nov 2020 18:12

Instrument :
 MSVOA_X
 ClientSampleId :
 201118060-02-VOA

Tot Ion:146 Resp: 1704
 Ion Ratio Lower Upper
 146 100
 111 57.6 21.1 63.3
 148 65.1 32.4 97.0



#95
 Naphthalene
 Concen: 2.870 ug/l
 RT: 13.82 min Scan# 2088
 Delta R.T. 0.00 min
 Lab File: VX019503.D
 Acq: 20 Nov 2020 18:12

Tgt Ion:128 Resp: 9341
 Ion Ratio Lower Upper
 128 100
 127 13.9 10.3 15.5
 129 11.6 8.7 13.1

