

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX121020\
 Data File : VX019826.D
 Acq On : 10 Dec 2020 15:30
 Operator : JC/MD
 Sample : L4996-13DL 5X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE132D4-20201207DL

Quant Time: Dec 11 00:51:37 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X120420W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 04 15:32:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	327282	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	536401	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	478316	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	197636	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	202151	47.00	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	94.00%		
35) Dibromofluoromethane	5.46	113	164193	47.36	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	94.72%		
50) Toluene-d8	8.70	98	645449	48.77	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	97.54%		
62) 4-Bromofluorobenzene	11.12	95	218243	43.32	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	86.64%		

Target Compounds

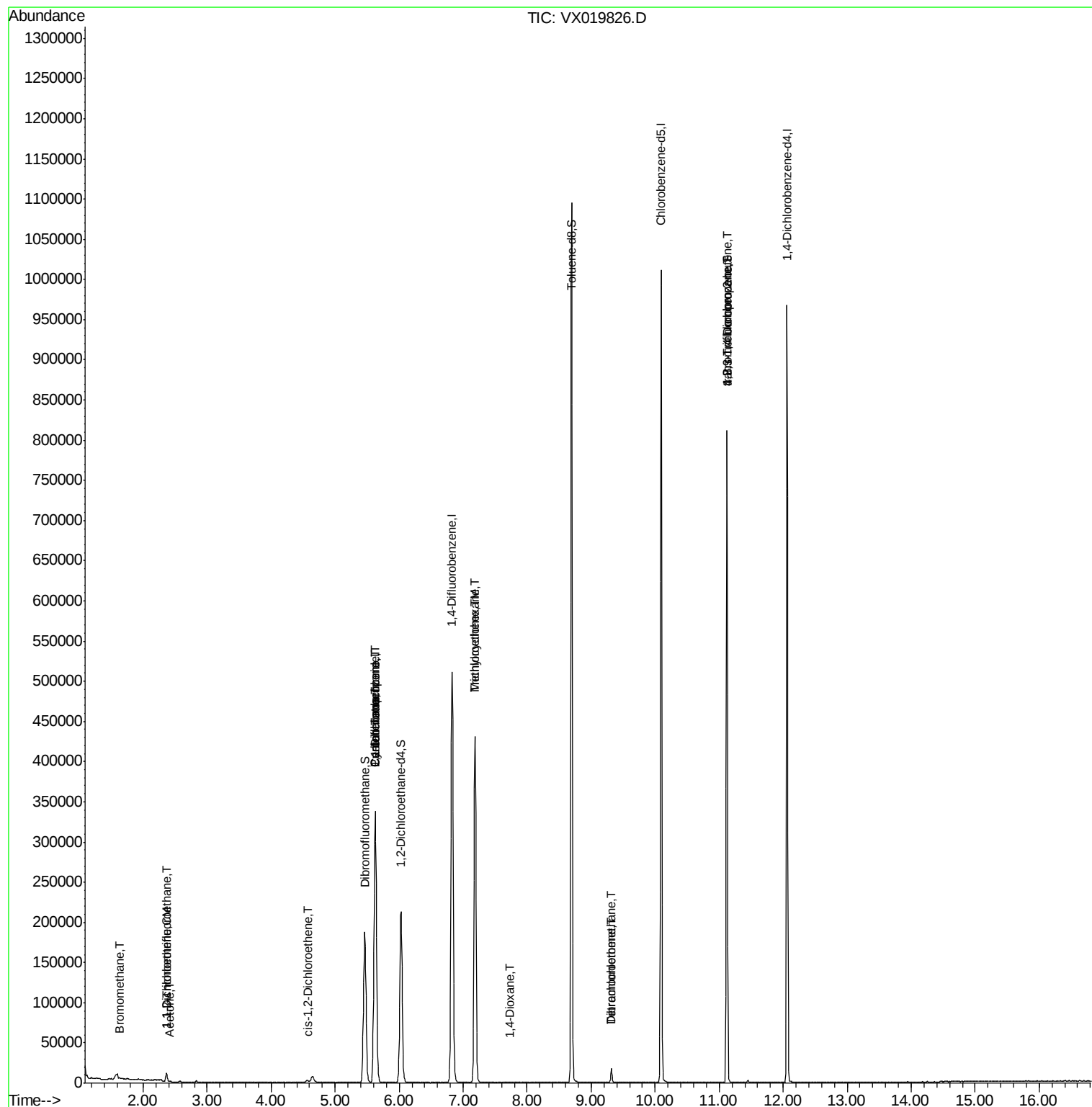
					Qvalue
5) Bromomethane	1.63	94	352	0.285 ug/l #	70
9) 1,1,2-Trichlorotrifluoroet	2.37	101	4101	1.383 ug/l	96
11) Tert butyl alcohol	3.00	59	249	Below Cal #	73
12) 1,1-Dichloroethene	2.36	96	791	0.264 ug/l	84
16) Acetone	2.42	43	1154	0.714 ug/l	92
20) Methylene Chloride	2.83	84	822	Below Cal #	86
27) cis-1,2-Dichloroethene	4.57	96	1873	0.458 ug/l	98
31) Cyclohexane	5.62	56	6040	1.129 ug/l #	1
36) 1,1-Dichloropropene	5.63	75	24237	5.000 ug/l #	48
38) Carbon Tetrachloride	5.63	117	31243	6.582 ug/l #	16
39) Methylcyclohexane	7.18	83	1953	0.343 ug/l #	1
44) Trichloroethene	7.19	130	170404	43.864 ug/l	99
49) 1,4-Dioxane	7.73	88	410	4.325 ug/l #	86
60) Dibromochloromethane	9.32	129	3334	0.879 ug/l #	11
64) Tetrachloroethene	9.32	164	3548	1.106 ug/l	95
76) 1,2,3-Trichloropropane	11.12	75	105092	23.709 ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.12	75	105092	68.538 ug/l #	12

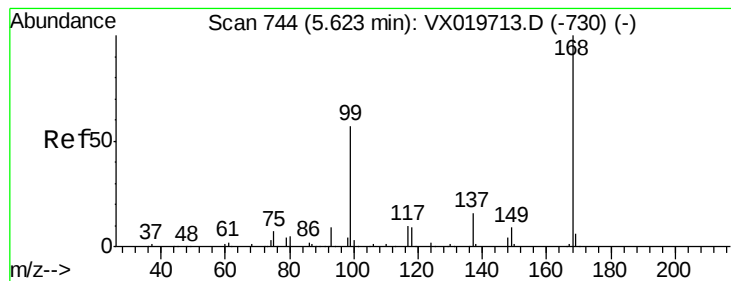
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX121020\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. 0.01 min

Lab File: VX019826.D

Acq: 10 Dec 2020 15:30

Instrument :

MSVOA_X

ClientSampleId :

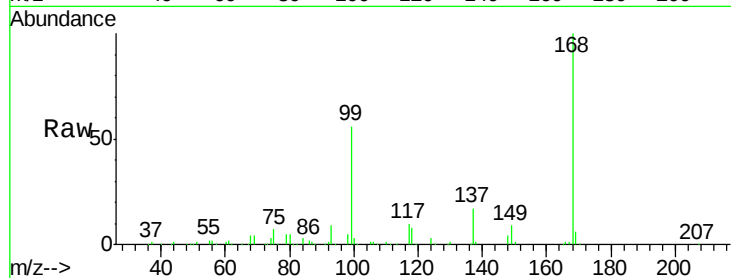
RE132D4-20201207DL

Tgt Ion:168 Resp: 327282

Ion Ratio Lower Upper

168 100

99 56.3 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

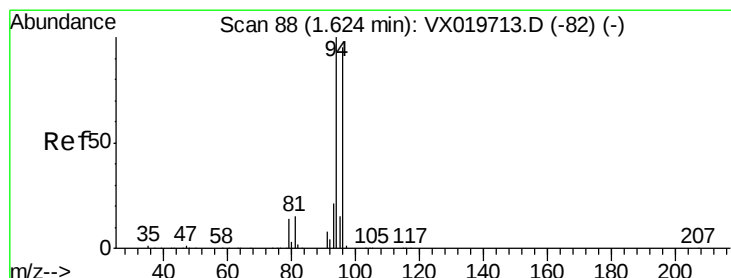
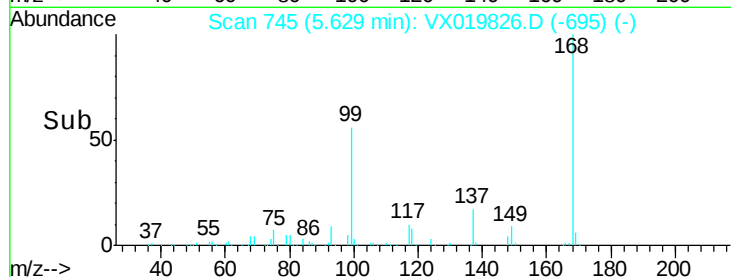
100000

50000

0

Time-->

5.50 5.60 5.70



#5

Bromomethane

Concen: 0.285 ug/l

RT: 1.63 min Scan# 89

Delta R.T. 0.01 min

Lab File: VX019826.D

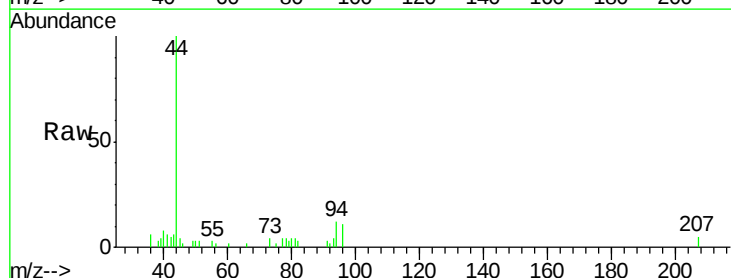
Acq: 10 Dec 2020 15:30

Tgt Ion: 94 Resp: 352

Ion Ratio Lower Upper

94 100

96 66.4 76.4 114.6#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.63

400

300

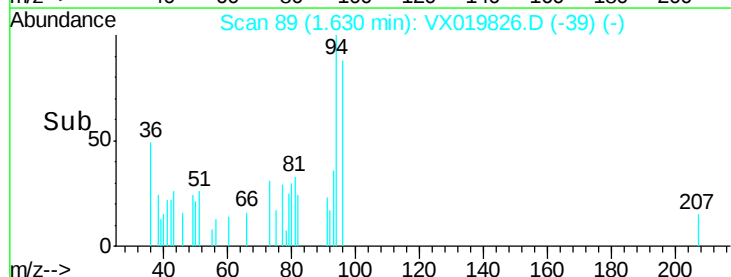
200

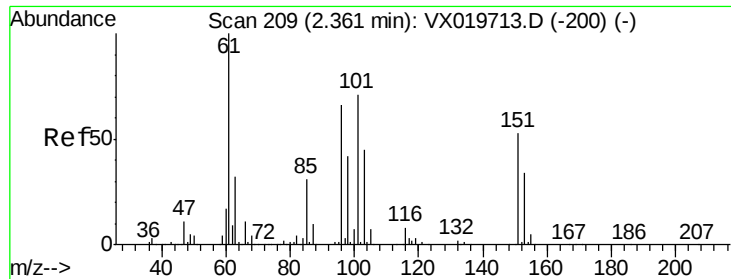
100

0

Time-->

1.60 1.62 1.64 1.66





#9

1,1,2-Trichlorotrifluoroethane

Concen: 1.383 ug/l

RT: 2.37 min Scan# 210

Delta R.T. 0.01 min

Lab File: VX019826.D

Acq: 10 Dec 2020 15:30

Instrument :

MSVOA_X

ClientSampleId :

RE132D4-20201207DL

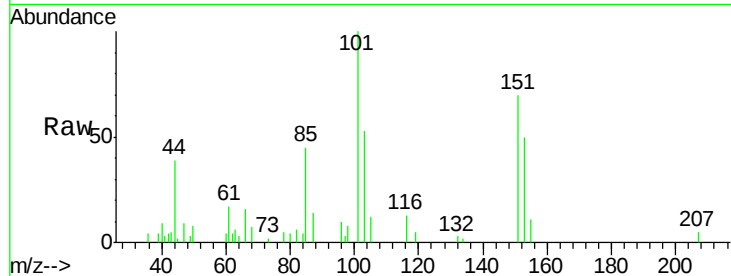
Tgt Ion:101 Resp: 4101

Ion Ratio Lower Upper

101 100

85 43.1 34.9 52.3

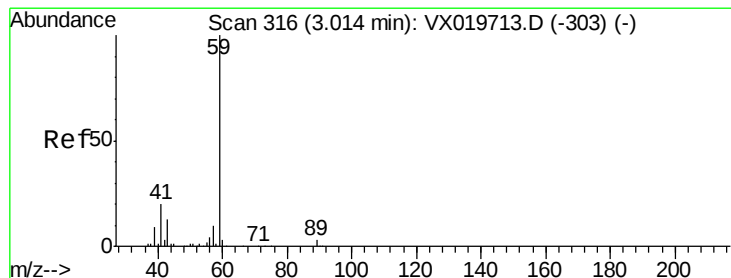
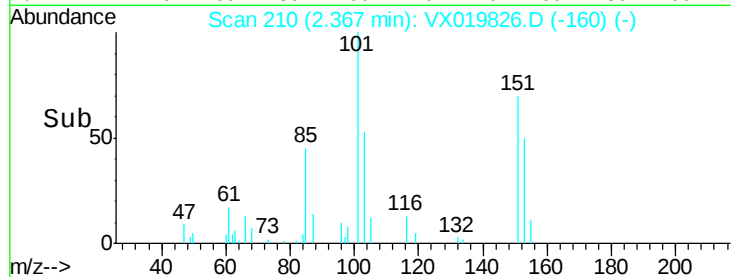
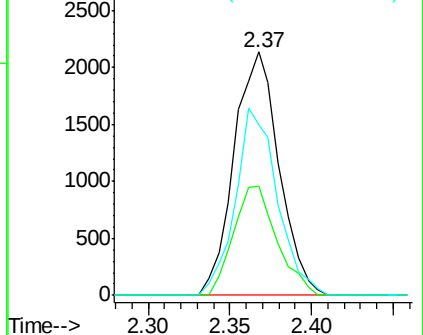
151 71.7 61.4 92.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#11

Tert butyl alcohol

Concen: Below Cal

RT: 3.00 min Scan# 314

Delta R.T. -0.01 min

Lab File: VX019826.D

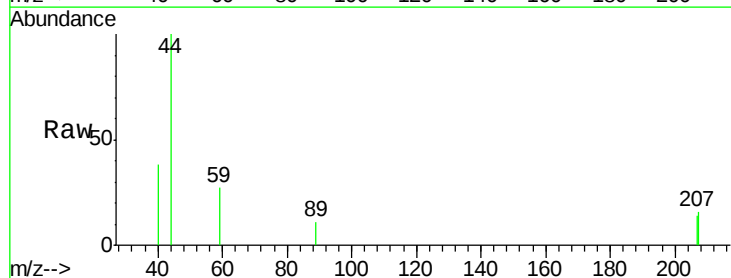
Acq: 10 Dec 2020 15:30

Tgt Ion: 59 Resp: 249

Ion Ratio Lower Upper

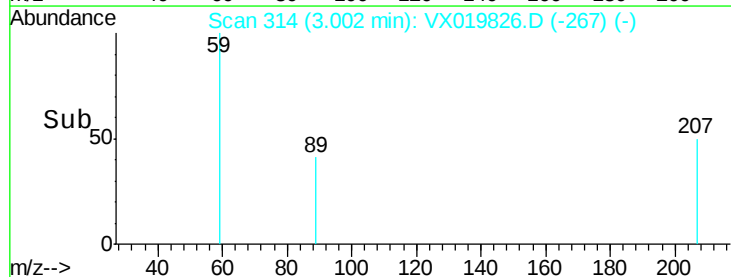
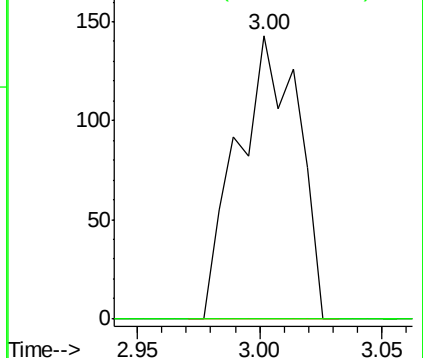
59 100

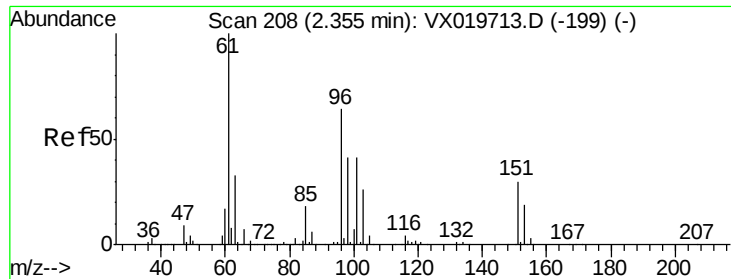
57 0.0 7.8 11.8#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#12

1,1-Dichloroethene

Concen: 0.264 ug/l

RT: 2.36 min Scan# 208

Delta R.T. 0.00 min

Lab File: VX019826.D

Acq: 10 Dec 2020 15:30

Instrument :

MSVOA_X

ClientSampleId :

RE132D4-20201207DL

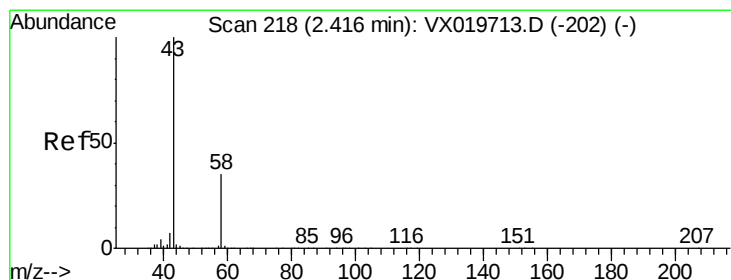
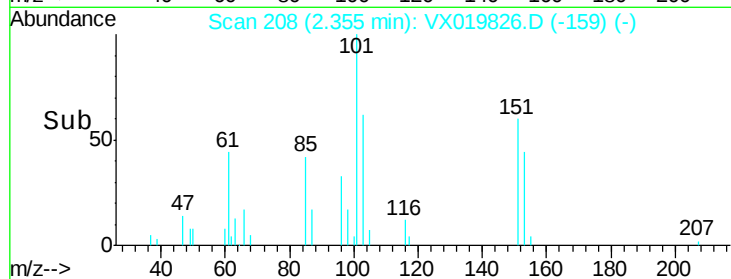
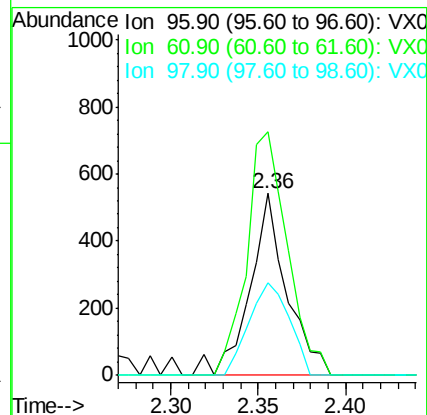
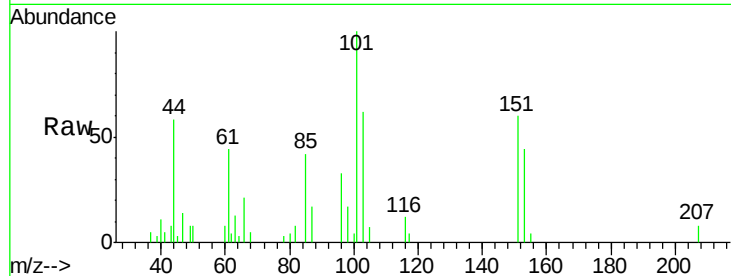
Tgt Ion: 96 Resp: 791

Ion Ratio Lower Upper

96 100

61 133.9 124.6 187.0

98 51.1 50.6 76.0



#16

Acetone

Concen: 0.714 ug/l

RT: 2.42 min Scan# 219

Delta R.T. 0.01 min

Lab File: VX019826.D

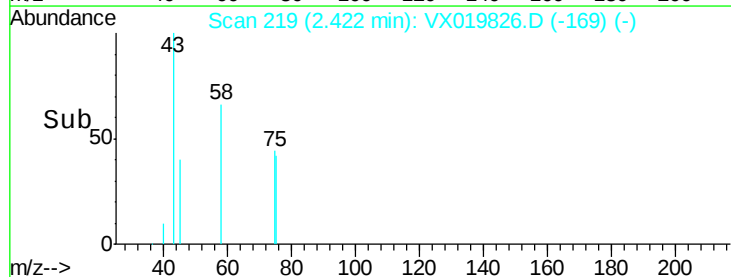
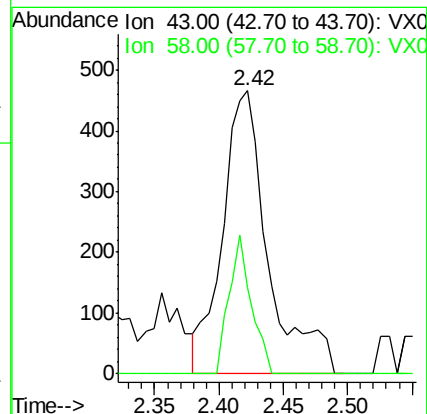
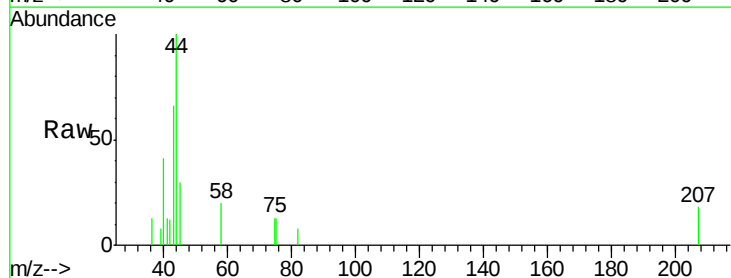
Acq: 10 Dec 2020 15:30

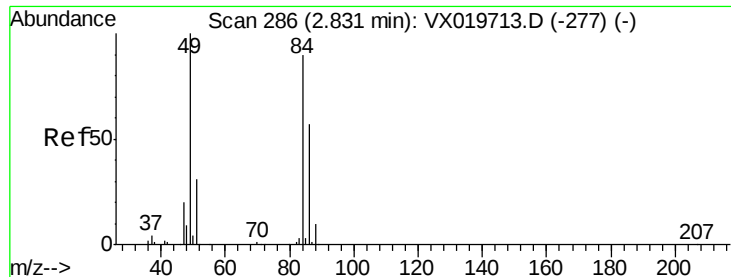
Tgt Ion: 43 Resp: 1154

Ion Ratio Lower Upper

43 100

58 30.3 27.8 41.8



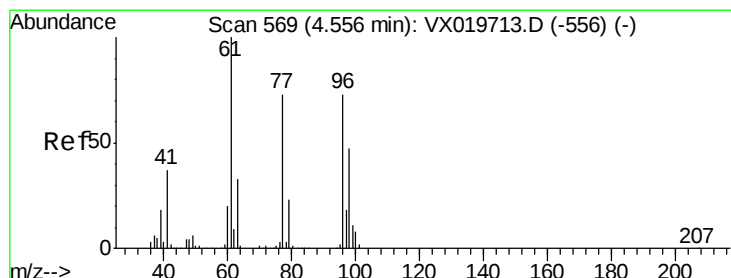
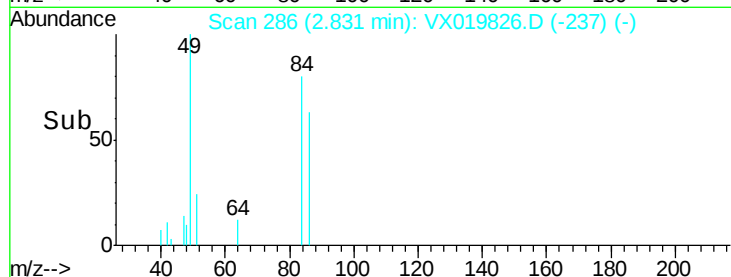
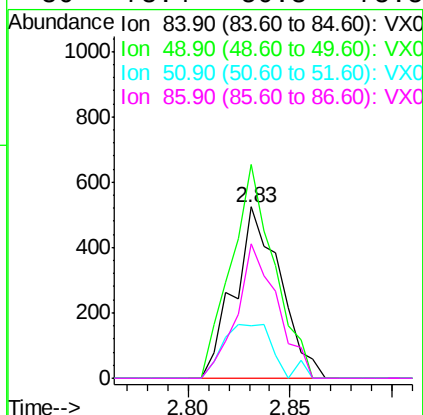
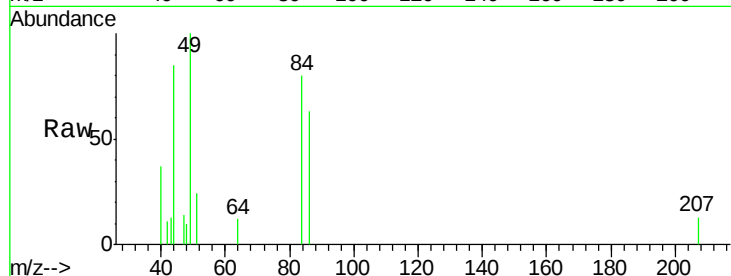


#20
Methylene Chloride
Concen: Below Cal
RT: 2.83 min Scan# 286
Delta R.T. 0.00 min
Lab File: VX019826.D
Acq: 10 Dec 2020 15:30

Instrument :
MSVOA_X
ClientSampleId :
RE132D4-20201207DL

Tgt Ion: 84 Resp: 822

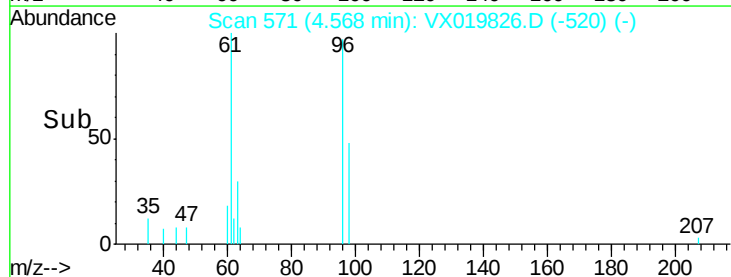
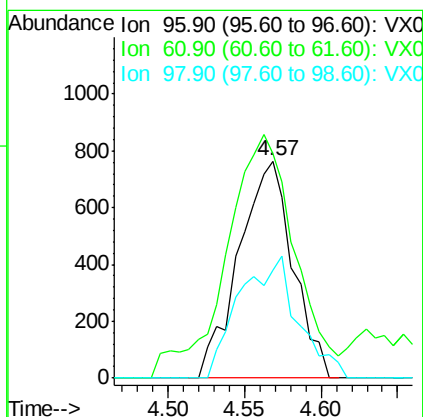
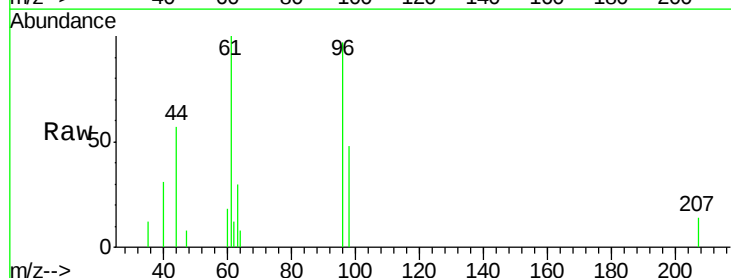
Ion	Ratio	Lower	Upper
84	100		
49	125.0	88.6	132.8
51	30.4	27.0	40.6
86	78.4	50.3	75.5#

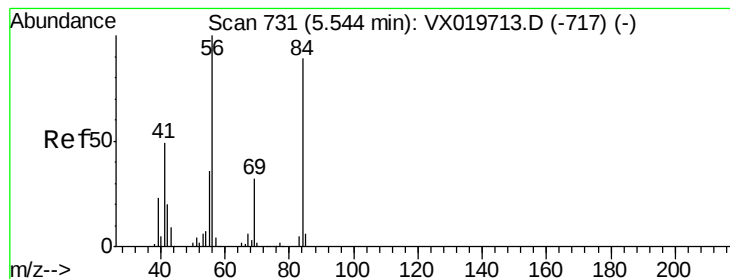


#27
cis-1,2-Dichloroethene
Concen: 0.458 ug/l
RT: 4.57 min Scan# 571
Delta R.T. 0.01 min
Lab File: VX019826.D
Acq: 10 Dec 2020 15:30

Tgt Ion: 96 Resp: 1873

Ion	Ratio	Lower	Upper
96	100		
61	142.2	0.0	285.6
98	61.1	0.0	129.6





#31

Cyclohexane

Concen: 1.129 ug/l

RT: 5.62 min Scan# 744

Delta R.T. 0.08 min

Lab File: VX019826.D

Acq: 10 Dec 2020 15:30

Instrument :

MSVOA_X

ClientSampleId :

RE132D4-20201207DL

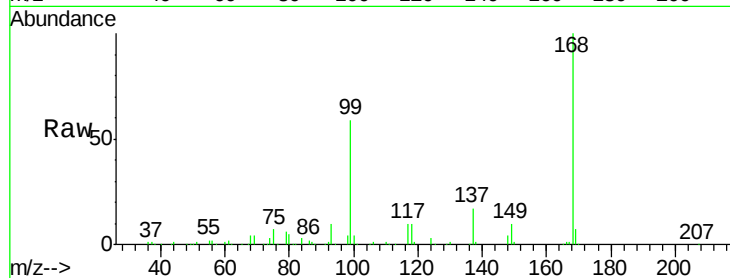
Tgt Ion: 56 Resp: 6040

Ion Ratio Lower Upper

56 100

69 189.1 25.3 37.9#

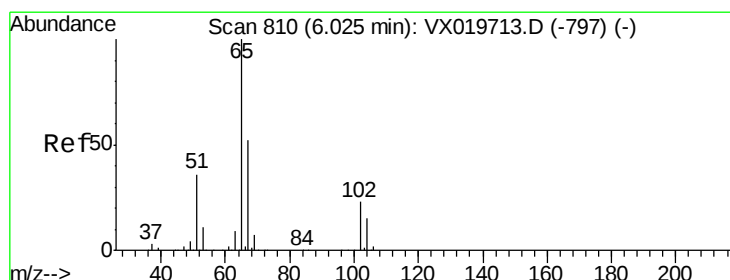
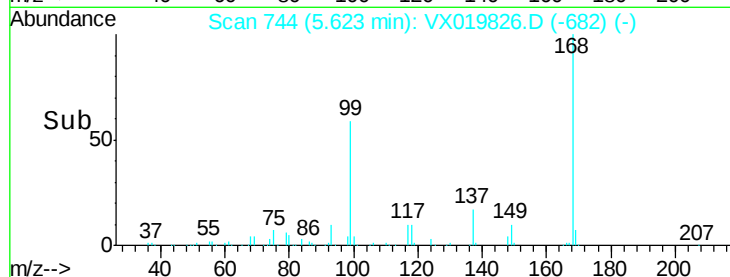
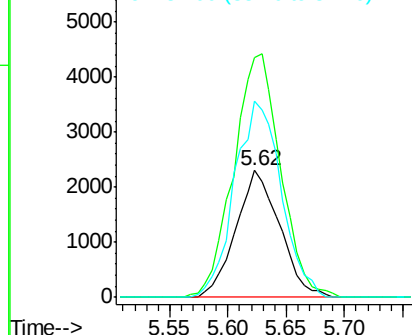
84 154.9 71.4 107.0#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 46.996 ug/l

RT: 6.03 min Scan# 811

Delta R.T. 0.01 min

Lab File: VX019826.D

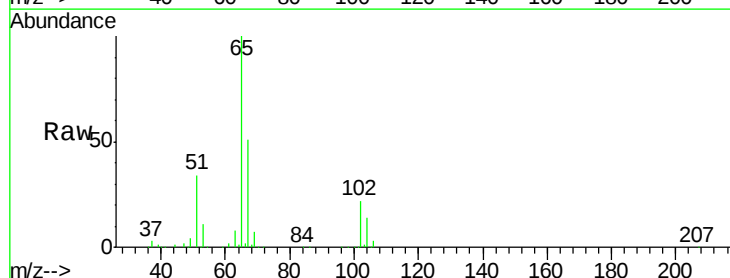
Acq: 10 Dec 2020 15:30

Tgt Ion: 65 Resp: 202151

Ion Ratio Lower Upper

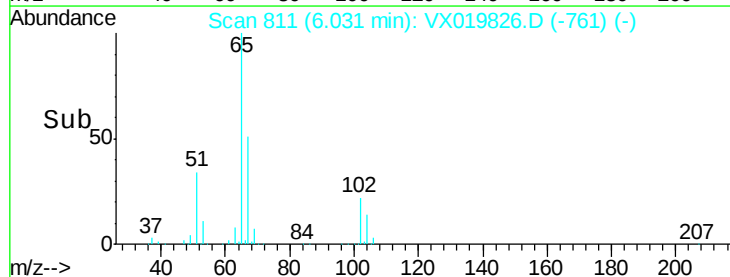
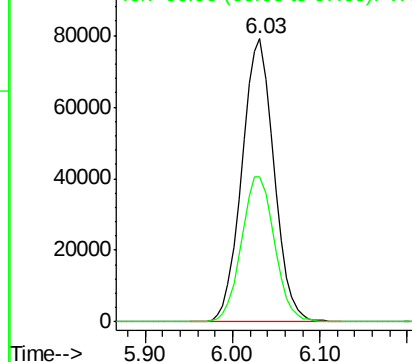
65 100

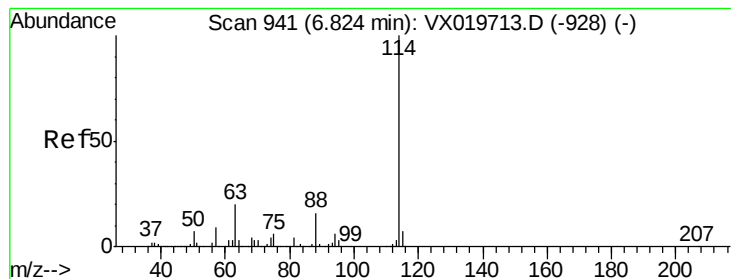
67 52.9 0.0 105.4



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. 0.01 min

Lab File: VX019826.D

Acq: 10 Dec 2020 15:30

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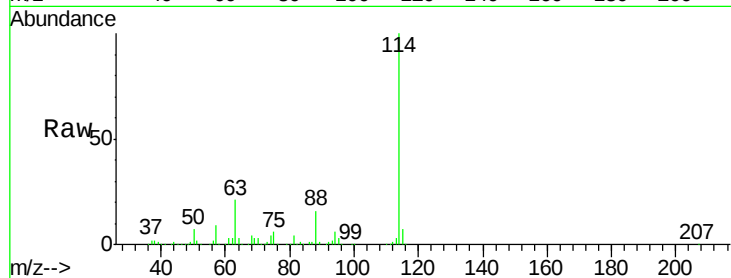
Tgt Ion:114 Resp: 536401

Ion Ratio Lower Upper

114 100

63 20.6 0.0 40.8

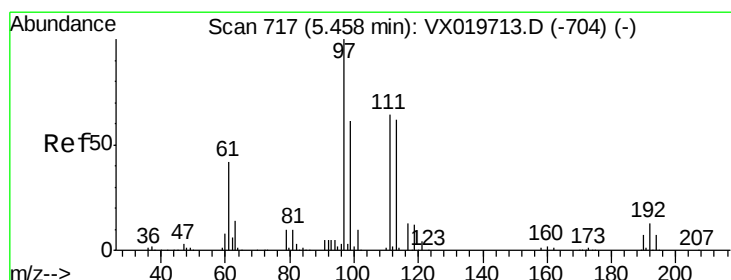
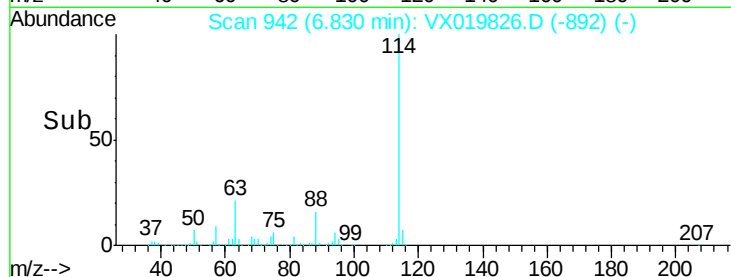
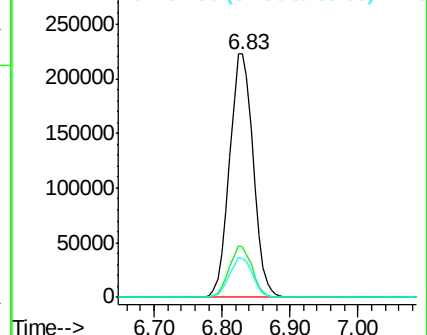
88 16.1 0.0 32.8



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



#35

Dibromofluoromethane

Concen: 47.363 ug/l

RT: 5.46 min Scan# 718

Delta R.T. 0.01 min

Lab File: VX019826.D

Acq: 10 Dec 2020 15:30

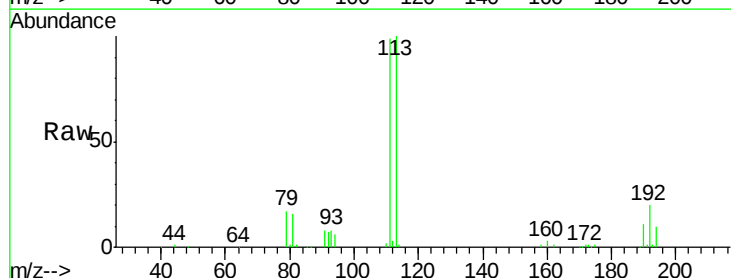
Tgt Ion:113 Resp: 164193

Ion Ratio Lower Upper

113 100

111 101.6 81.9 122.9

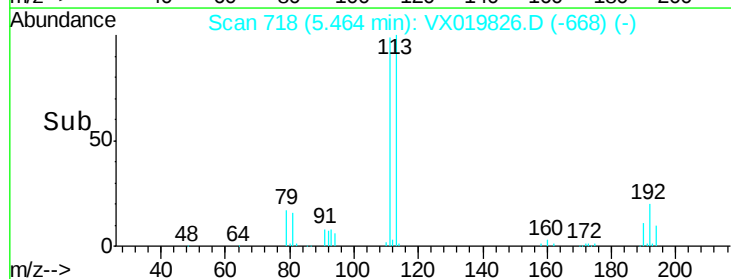
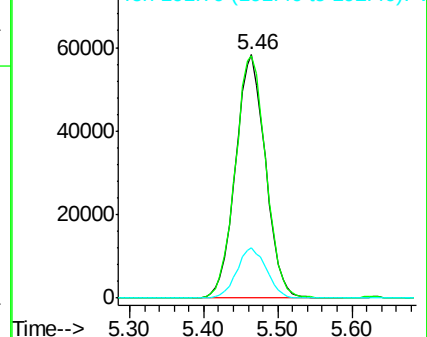
192 20.6 16.7 25.1

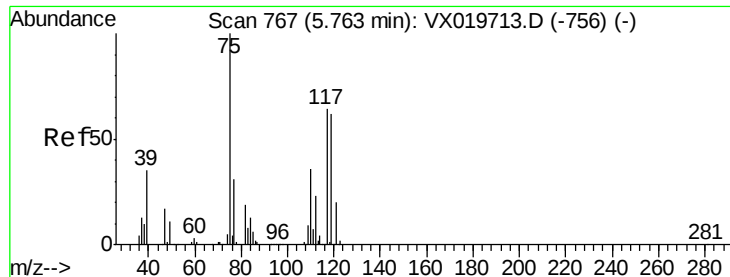


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.13 min

Lab File: VX019826.D

Acq: 10 Dec 2020 15:30

Instrument :

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ClientSampleId :

RE132D4-20201207DL

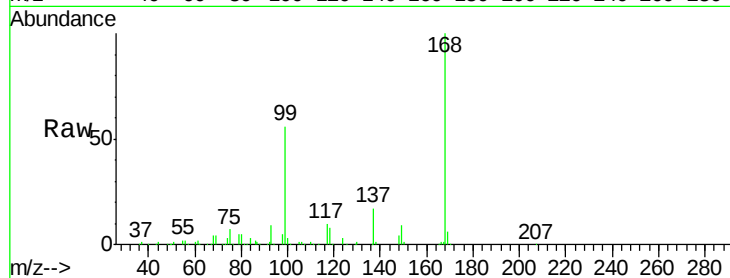
Tgt Ion: 75 Resp: 24237

Ion Ratio Lower Upper

75 100

110 8.7 18.1 54.4#

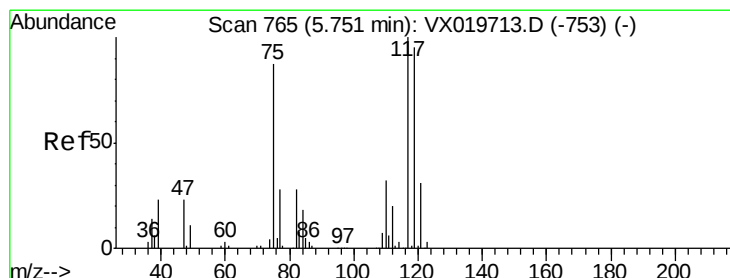
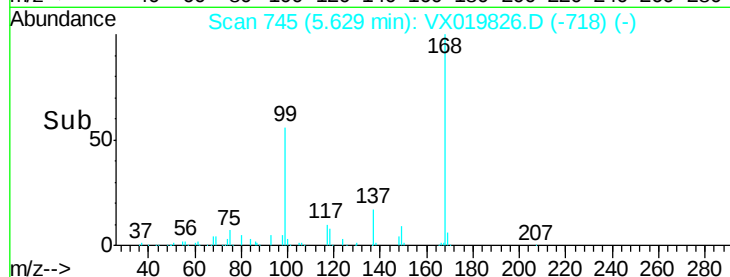
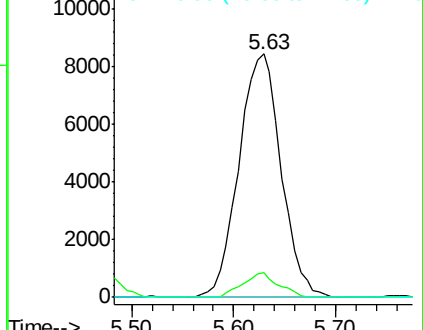
77 0.0 25.3 37.9#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0



#38

Carbon Tetrachloride

Concen: 6.582 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.12 min

Lab File: VX019826.D

Acq: 10 Dec 2020 15:30

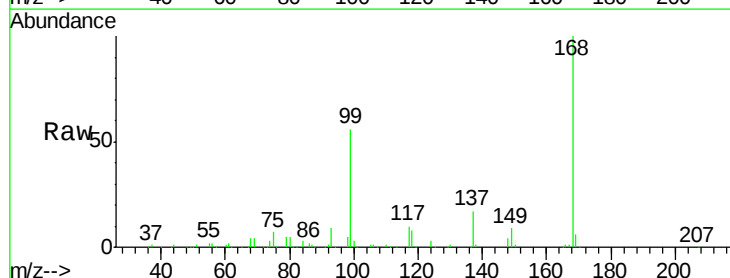
Tgt Ion: 117 Resp: 31243

Ion Ratio Lower Upper

117 100

119 4.3 76.2 114.2#

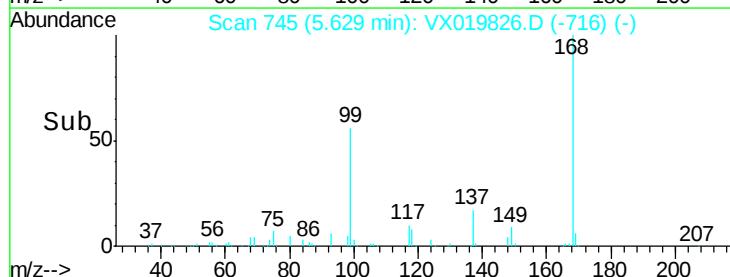
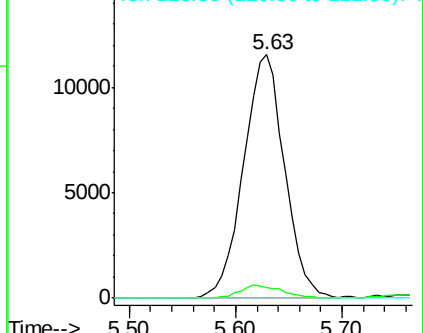
121 0.0 24.8 37.2#

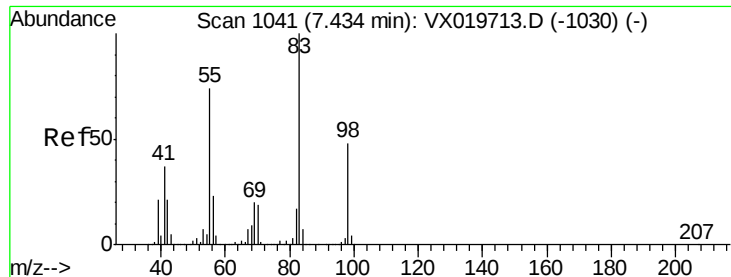


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

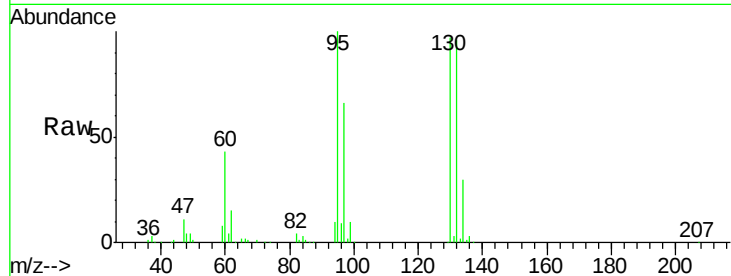




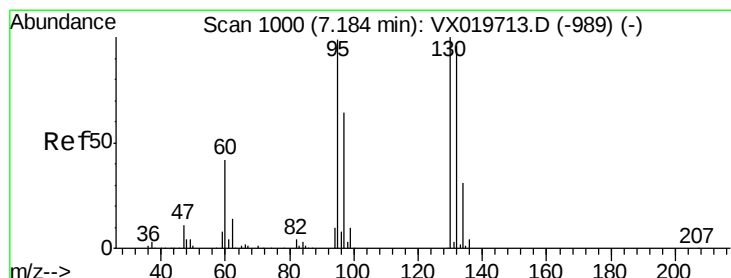
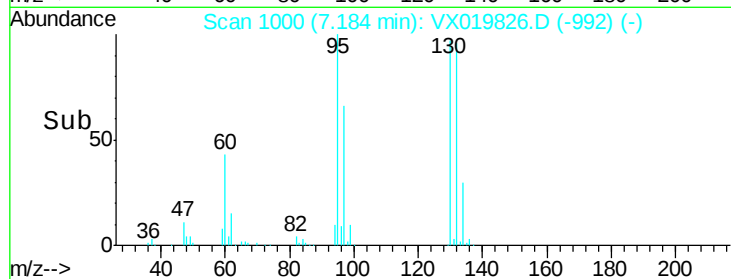
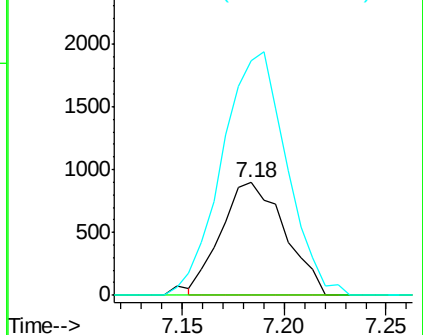
#39
Methylcyclohexane
Concen: 0.343 ug/l
RT: 7.18 min Scan# 1000
Delta R.T. -0.25 min
Lab File: VX019826.D
Acq: 10 Dec 2020 15:30

Instrument :
MSVOA_X
ClientSampleId :
RE132D4-20201207DL

Tgt Ion: 83 Resp: 1953
Ion Ratio Lower Upper
83 100
55 0.0 58.9 88.3#
98 198.7 38.1 57.1#

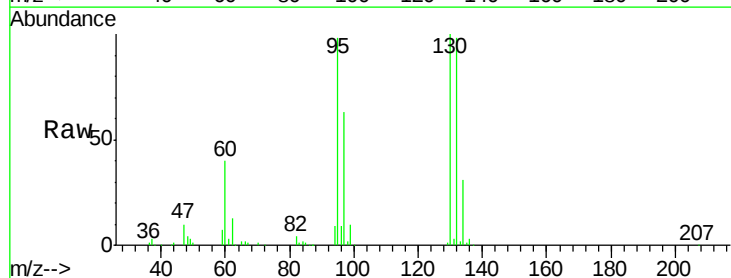


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

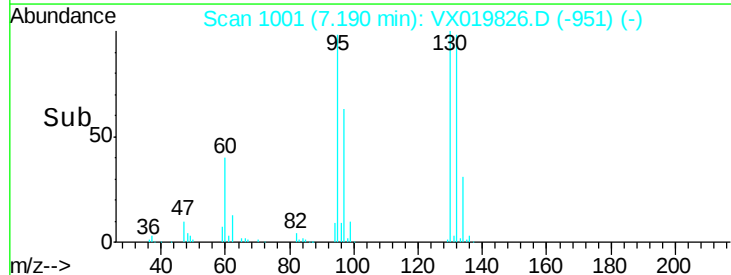
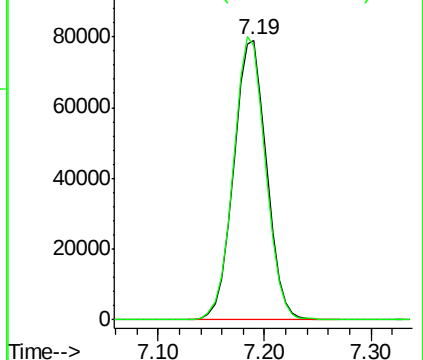


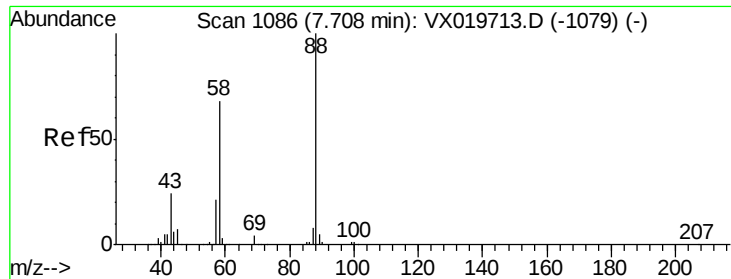
#44
Trichloroethene
Concen: 43.864 ug/l
RT: 7.19 min Scan# 1001
Delta R.T. 0.01 min
Lab File: VX019826.D
Acq: 10 Dec 2020 15:30

Tgt Ion: 130 Resp: 170404
Ion Ratio Lower Upper
130 100
95 97.9 0.0 198.0



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VX0

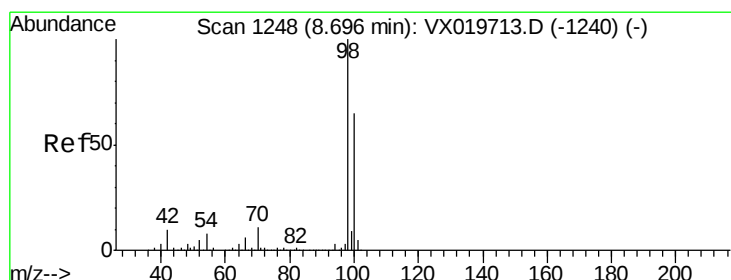
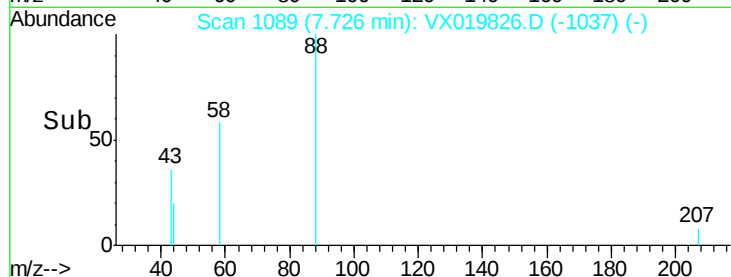
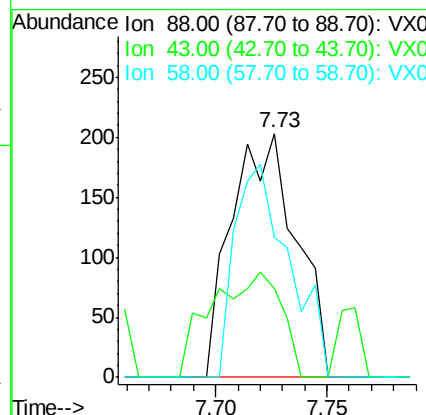
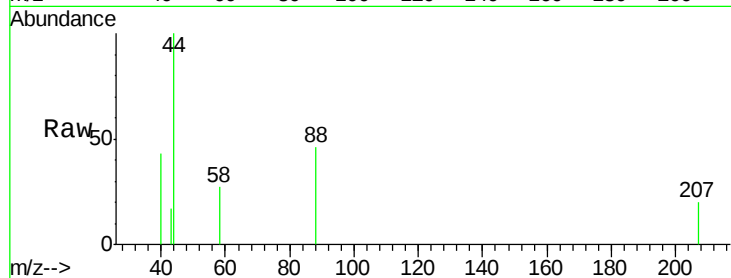




#49
1,4-Dioxane
Concen: 4.325 ug/l
RT: 7.73 min Scan# 1089
Delta R.T. 0.02 min
Lab File: VX019826.D
Acq: 10 Dec 2020 15:30

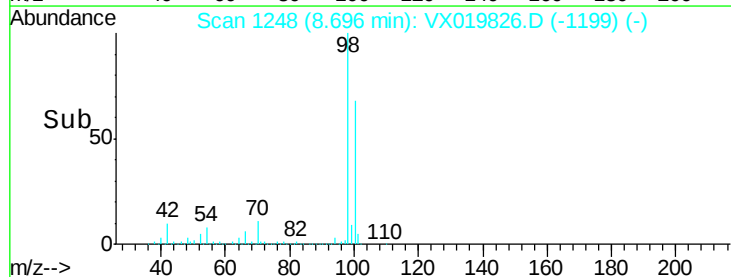
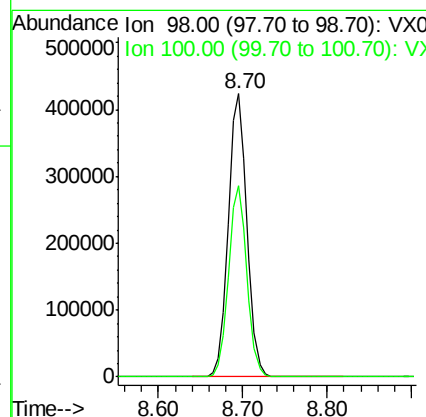
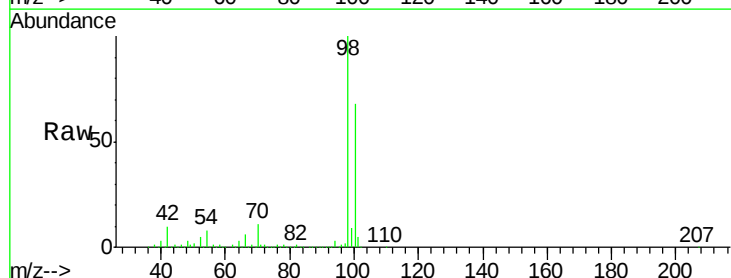
Instrument :
MSVOA_X
ClientSampleId :
RE132D4-20201207DL

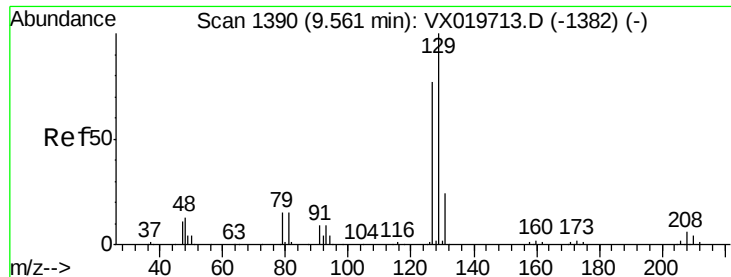
Tgt Ion: 88 Resp: 410
Ion Ratio Lower Upper
88 100
43 47.3 23.2 34.8#
58 73.2 55.0 82.4



#50
Toluene-d8
Concen: 48.769 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VX019826.D
Acq: 10 Dec 2020 15:30

Tgt Ion: 98 Resp: 645449
Ion Ratio Lower Upper
98 100
100 66.4 51.9 77.9





#60

Dibromochloromethane

Concen: 0.879 ug/l

RT: 9.32 min Scan# 1350

Delta R.T. -0.24 min

Lab File: VX019826.D

Acq: 10 Dec 2020 15:30

Instrument :

MSVOA_X

ClientSampleId :

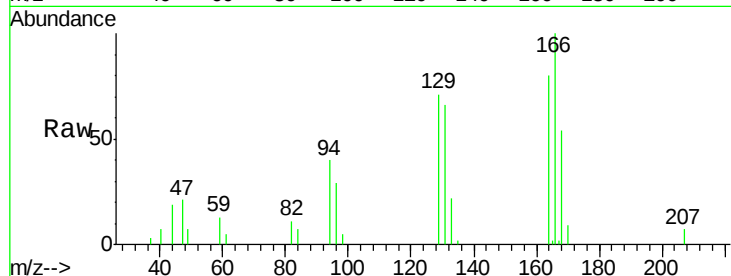
RE132D4-20201207DL

Tgt Ion:129 Resp: 3334

Ion Ratio Lower Upper

129 100

127 0.0 38.4 115.2#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

9.32

2000

1500

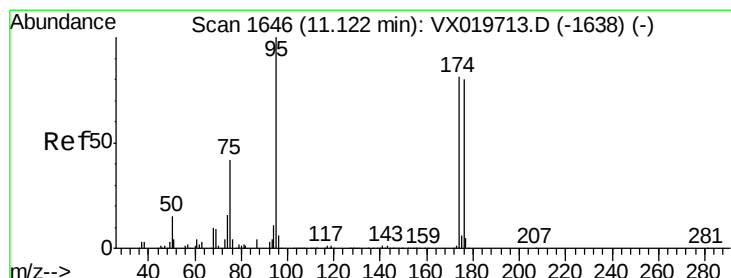
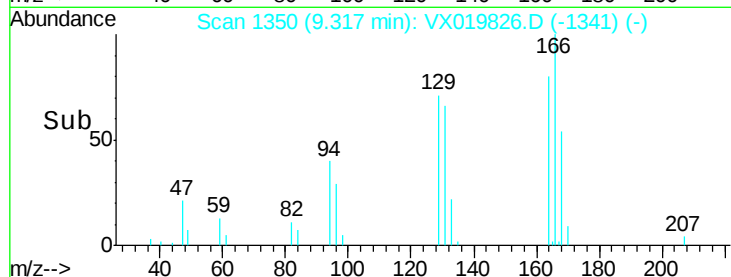
1000

500

0

9.30 9.35

Time-->



#62

4-Bromofluorobenzene

Concen: 43.325 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX019826.D

Acq: 10 Dec 2020 15:30

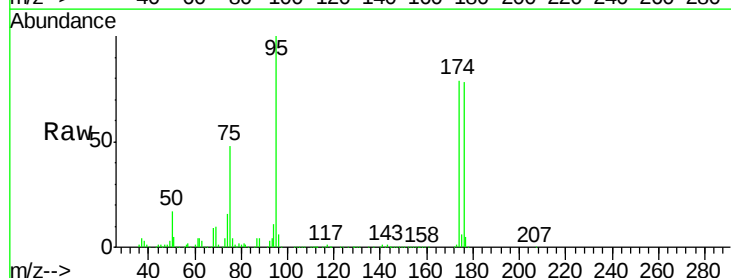
Tgt Ion: 95 Resp: 218243

Ion Ratio Lower Upper

95 100

174 77.3 0.0 154.6

176 74.5 0.0 155.8



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

200000

150000

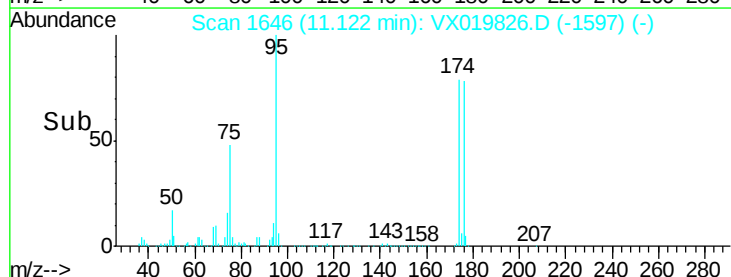
100000

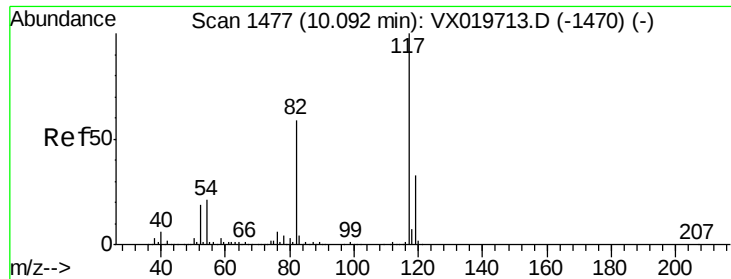
50000

0

11.10 11.20

Time-->

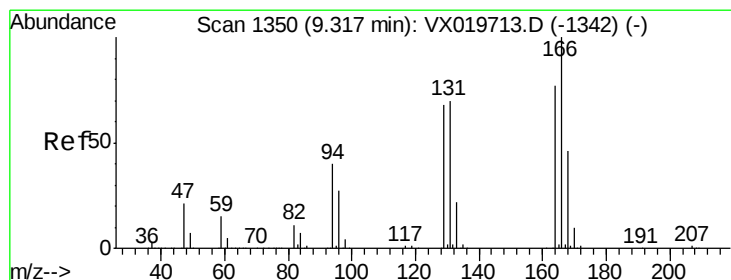
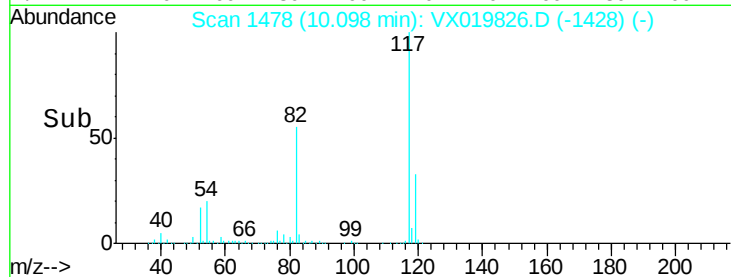
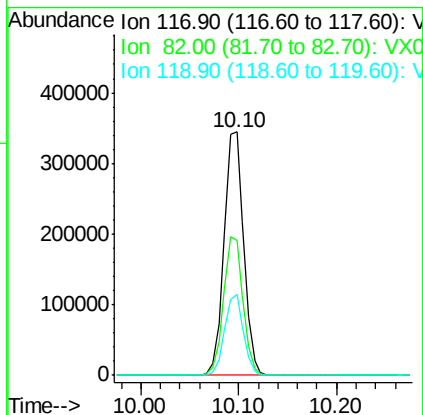
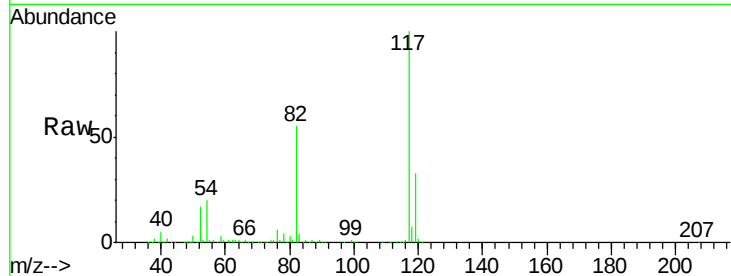




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.01 min
Lab File: VX019826.D
Acq: 10 Dec 2020 15:30

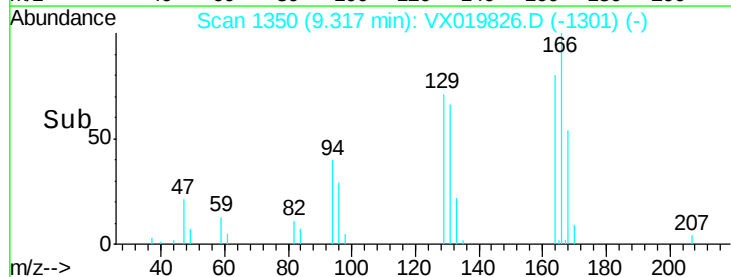
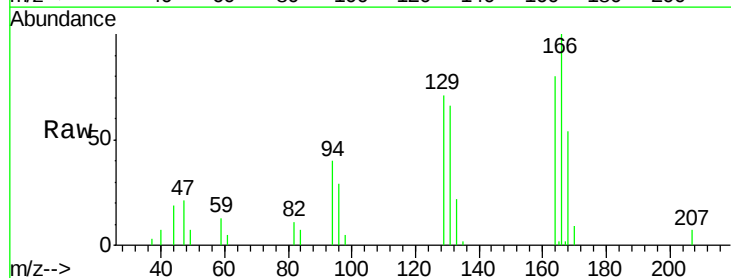
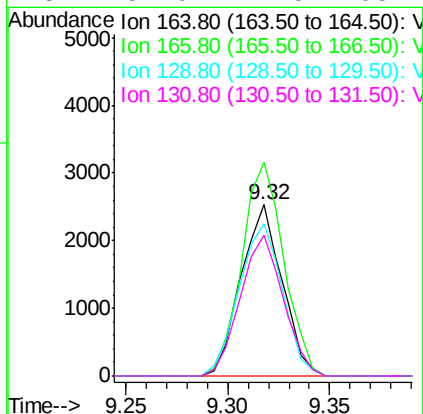
Instrument :
MSVOA_X
ClientSampleId :
RE132D4-20201207DL

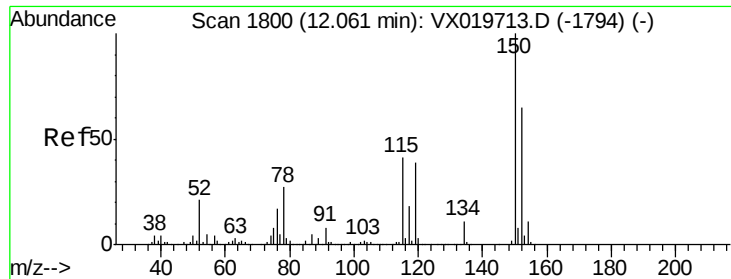
Tgt Ion:117 Resp: 478316
Ion Ratio Lower Upper
117 100
82 55.3 47.4 71.2
119 33.0 26.6 39.8



#64
Tetrachloroethene
Concen: 1.106 ug/l
RT: 9.32 min Scan# 1350
Delta R.T. 0.00 min
Lab File: VX019826.D
Acq: 10 Dec 2020 15:30

Tgt Ion:164 Resp: 3548
Ion Ratio Lower Upper
164 100
166 124.9 103.4 155.2
129 89.3 70.8 106.2
131 82.0 72.5 108.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. 0.00 min

Lab File: VX019826.D

Acq: 10 Dec 2020 15:30

Instrument :

MSVOA_X

ClientSampleId :

RE132D4-20201207DL

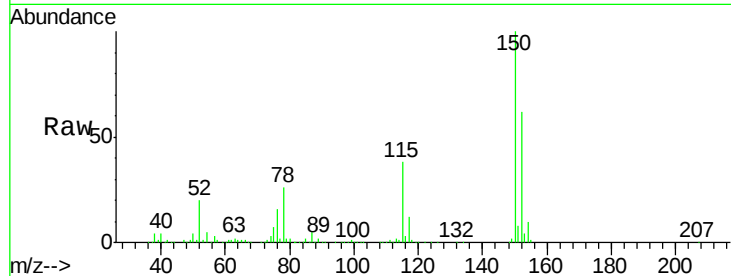
Tgt Ion:152 Resp: 197636

Ion Ratio Lower Upper

152 100

115 59.2 41.1 123.3

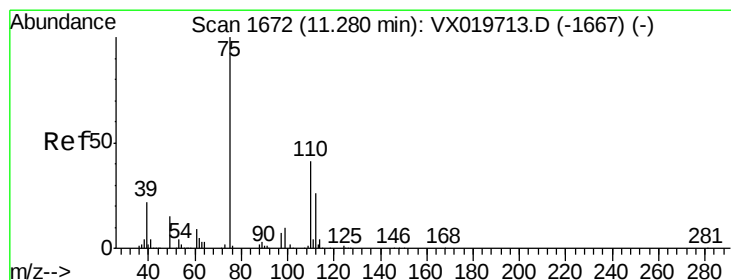
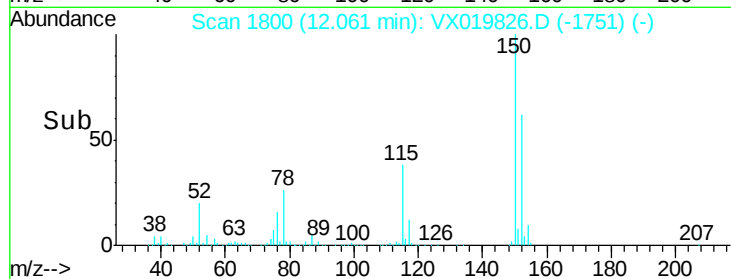
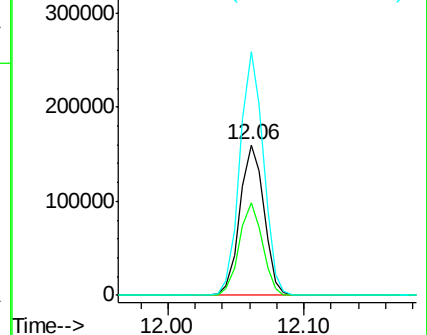
150 158.3 0.0 349.0



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



#76

1,2,3-Trichloropropane

Concen: 23.709 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX019826.D

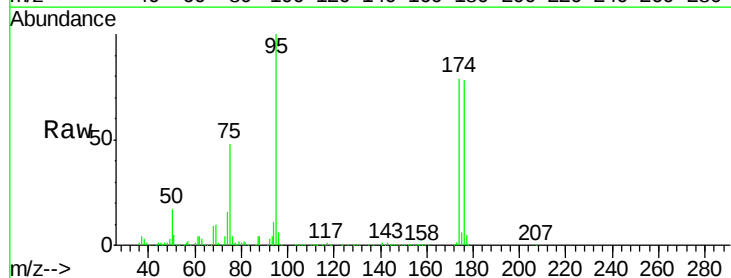
Acq: 10 Dec 2020 15:30

Tgt Ion: 75 Resp: 105092

Ion Ratio Lower Upper

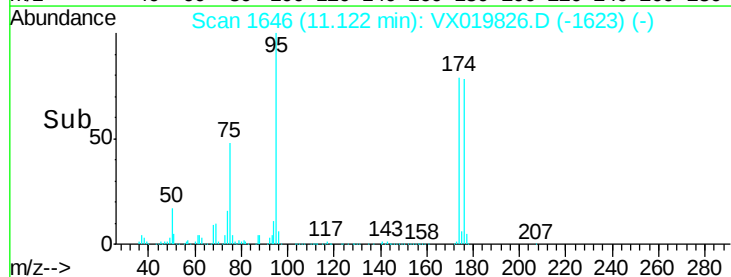
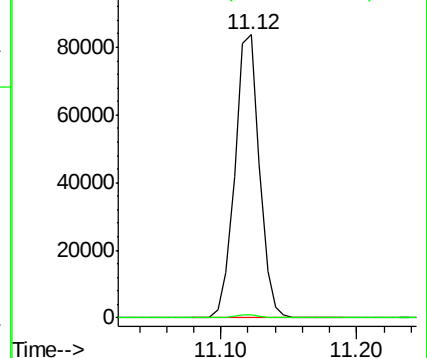
75 100

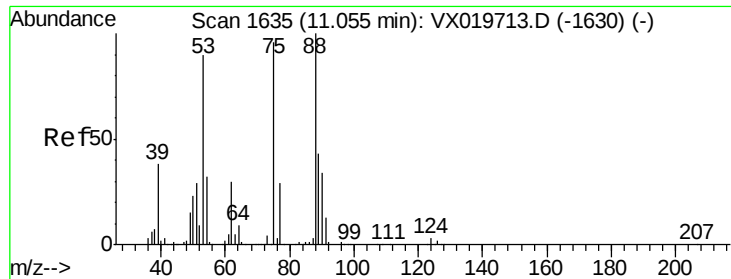
77 1.3 19.1 57.5#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 68.538 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX019826.D

Acq: 10 Dec 2020 15:30

Instrument :

MSVOA_X

ClientSampleId :

RE132D4-20201207DL

Tgt Ion: 75 Resp: 105092

Ion Ratio Lower Upper

75 100

53 0.0 74.5 111.7#

89 0.0 37.9 56.9#

