

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX121220\
 Data File : VX019932.D
 Acq On : 12 Dec 2020 15:14
 Operator : JC/MD
 Sample : L4996-15DL 25X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE132D6-20201207DL

Quant Time: Dec 14 05:29:25 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	317344	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	530126	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	489253	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	214317	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	202836	48.63	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	97.26%	
35) Dibromofluoromethane		5.46	113	162175	47.33	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	94.66%	
50) Toluene-d8		8.70	98	641706	49.06	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	98.12%	
62) 4-Bromofluorobenzene		11.12	95	226599	45.52	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	91.04%	

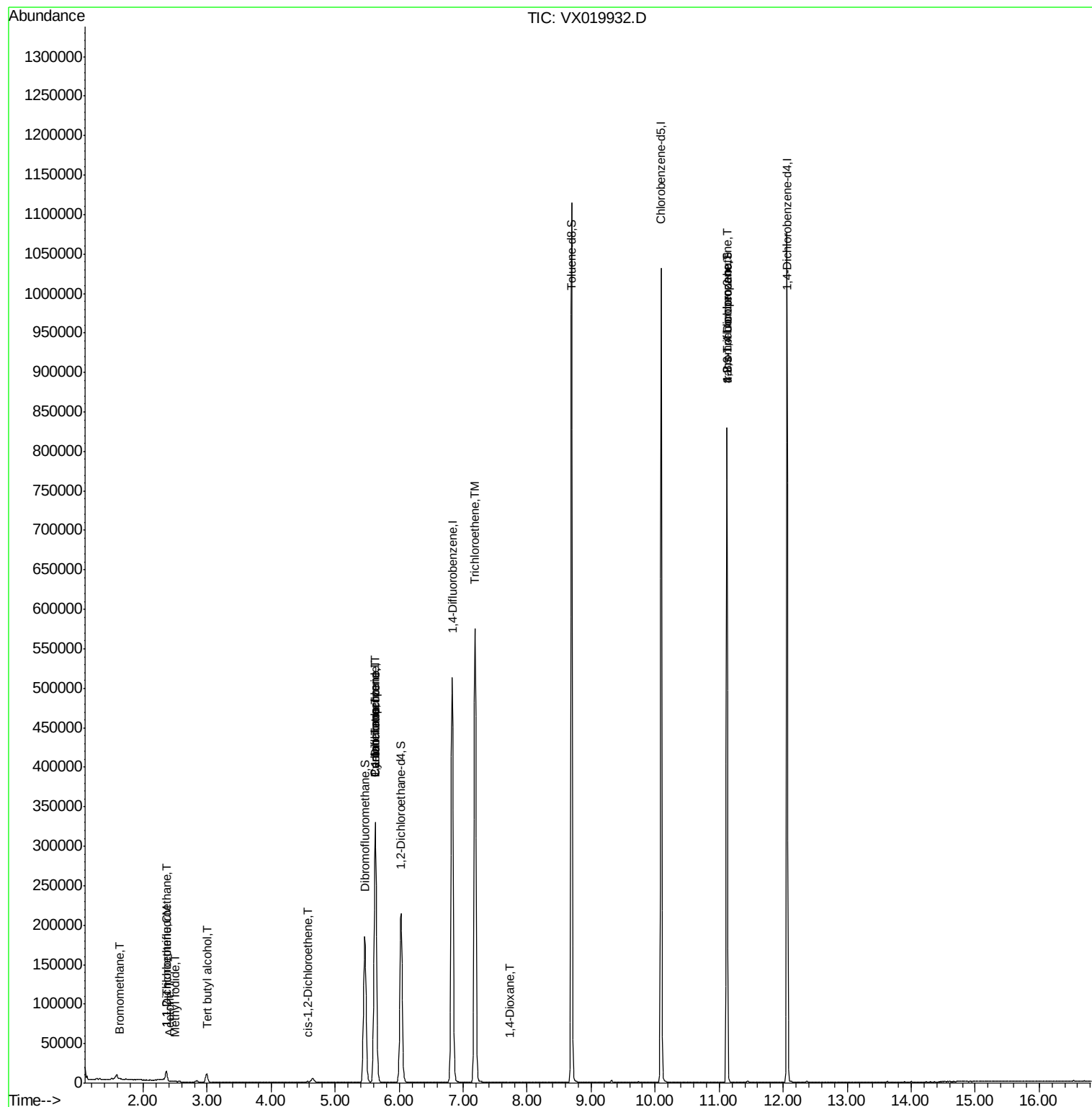
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	701	0.586	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	2.37	101	3780	1.314	ug/l	99
10) Methyl Iodide	2.50	142	914	0.216	ug/l	96
11) Tert butyl alcohol	3.00	59	6754	5.319	ug/l #	76
12) 1,1-Dichloroethene	2.36	96	1366	0.470	ug/l	97
16) Acetone	2.42	43	1203	0.767	ug/l	96
20) Methylene Chloride	2.84	84	871	Below Cal	#	90
27) cis-1,2-Dichloroethene	4.56	96	796	0.201	ug/l	80
31) Cyclohexane	5.62	56	6038	1.164	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	23914	4.992	ug/l #	48
38) Carbon Tetrachloride	5.63	117	30821	6.570	ug/l #	16
44) Trichloroethene	7.18	130	230165	59.948	ug/l	99
49) 1,4-Dioxane	7.73	88	42	0.448	ug/l #	22
76) 1,2,3-Trichloropropane	11.12	75	110483	22.985	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.12	75	110483	66.445	ug/l #	12

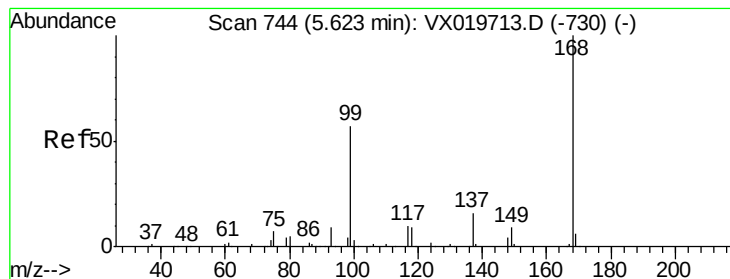
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX121220\
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Quant Time: Dec 14 05:29:25 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X120420W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 04 15:32:53 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. 0.01 min

Lab File: VX019932.D

Acq: 12 Dec 2020 15:14

Instrument :

MSVOA_X

ClientSampleId :

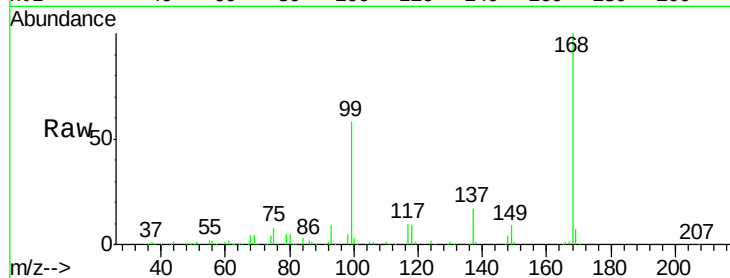
RE132D6-20201207DL

Tgt Ion: 168 Resp: 317344

Ion Ratio Lower Upper

168 100

99 58.4 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

120000

100000

80000

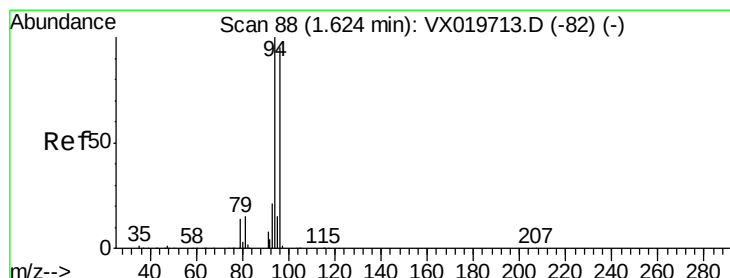
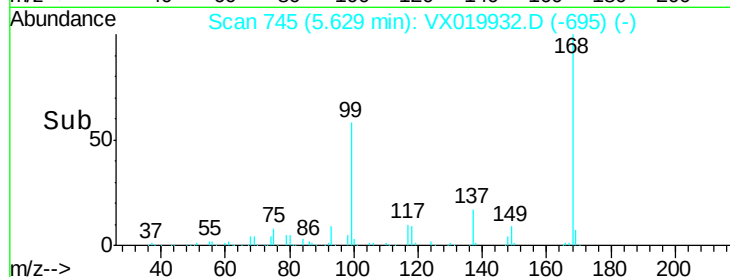
60000

40000

20000

0

Time-->



#5

Bromomethane

Concen: 0.586 ug/l

RT: 1.64 min Scan# 91

Delta R.T. 0.02 min

Lab File: VX019932.D

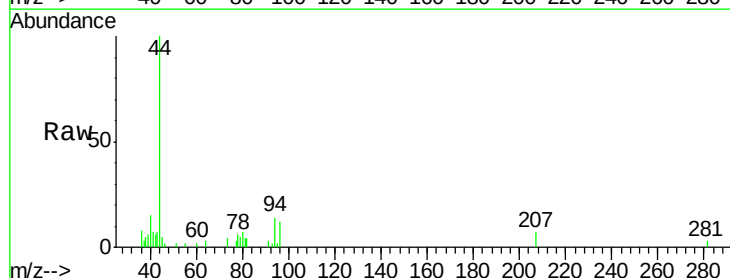
Acq: 12 Dec 2020 15:14

Tgt Ion: 94 Resp: 701

Ion Ratio Lower Upper

94 100

96 86.9 76.4 114.6



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

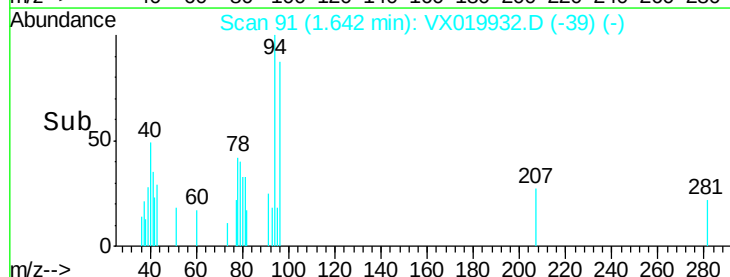
300

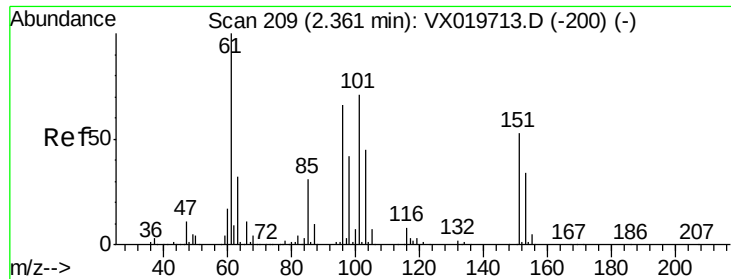
200

100

0

Time-->





#9

1,1,2-Trichlorotrifluoroethane

Concen: 1.314 ug/l

RT: 2.37 min Scan# 210

Delta R.T. 0.01 min

Lab File: VX019932.D

Acq: 12 Dec 2020 15:14

Instrument :

MSVOA_X

ClientSampleId :

RE132D6-20201207DL

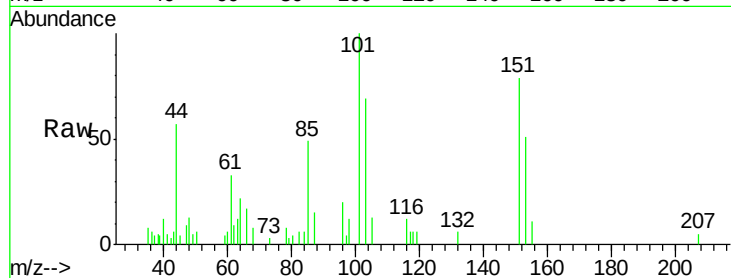
Tgt Ion:101 Resp: 3780

Ion Ratio Lower Upper

101 100

85 44.5 34.9 52.3

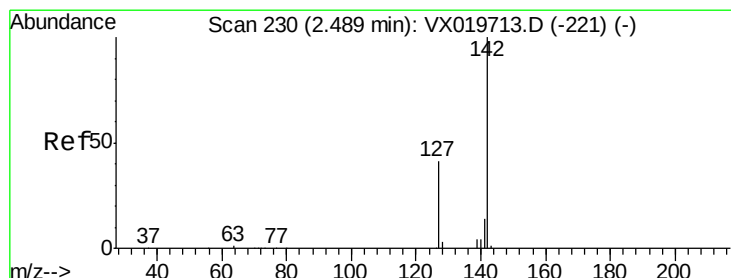
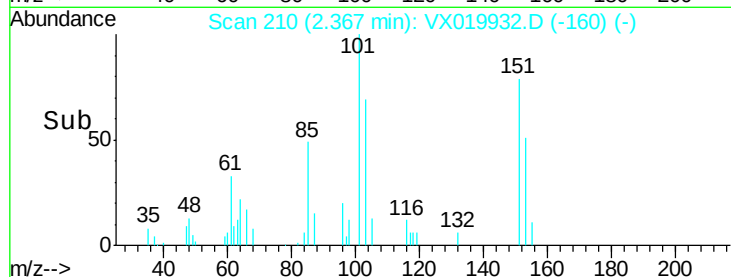
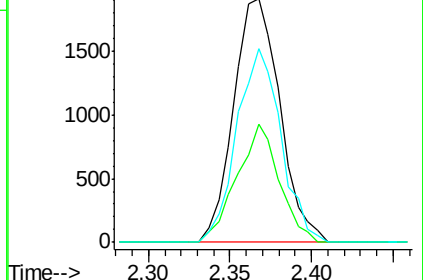
151 75.8 61.4 92.2



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



#10

Methyl Iodide

Concen: 0.216 ug/l

RT: 2.50 min Scan# 231

Delta R.T. 0.01 min

Lab File: VX019932.D

Acq: 12 Dec 2020 15:14

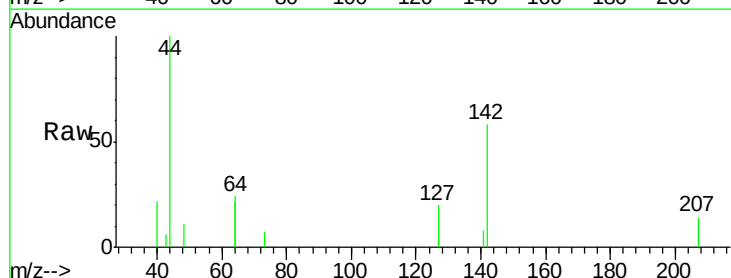
Tgt Ion:142 Resp: 914

Ion Ratio Lower Upper

142 100

127 39.5 33.3 49.9

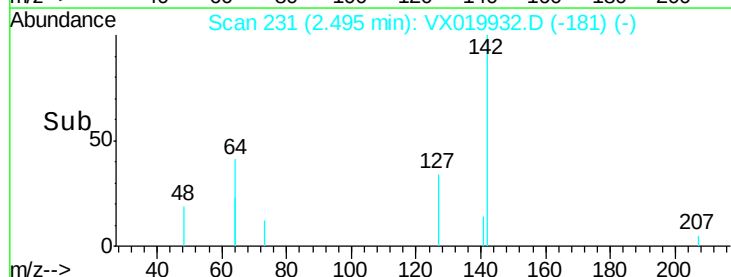
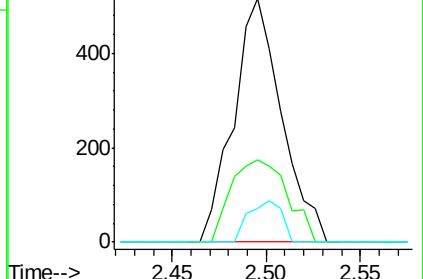
141 11.6 11.4 17.0

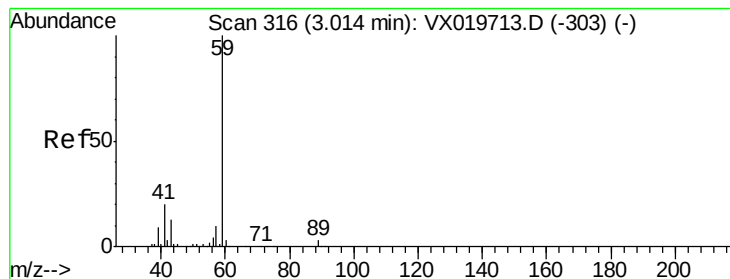


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



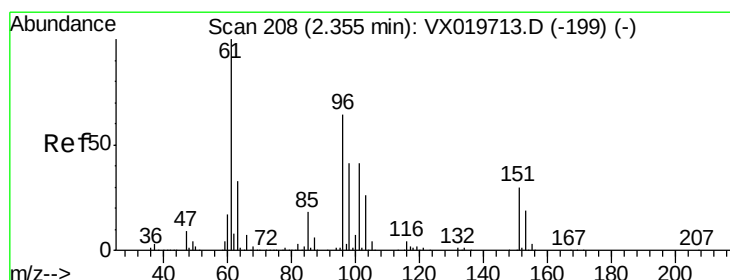
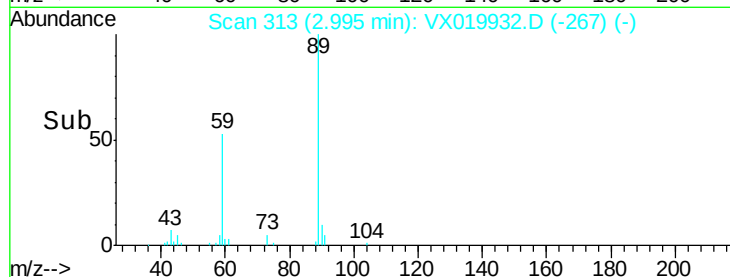
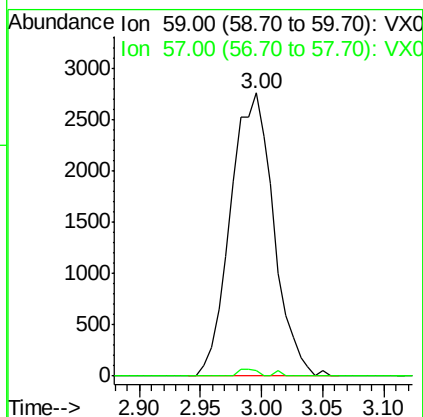
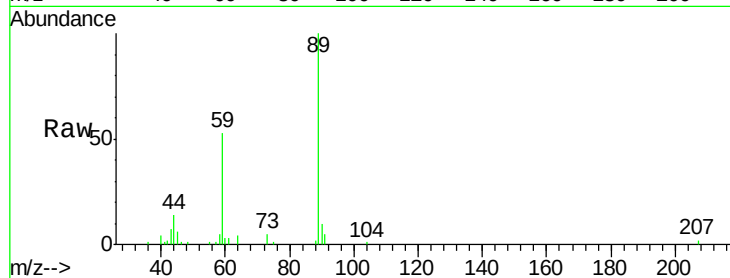


#11

Tert butyl alcohol
Concen: 5.319 ug/l
RT: 3.00 min Scan# 313
Delta R.T. -0.02 min
Lab File: VX019932.D
Acq: 12 Dec 2020 15:14

Instrument :
MSVOA_X
ClientSampleId :
RE132D6-20201207DL

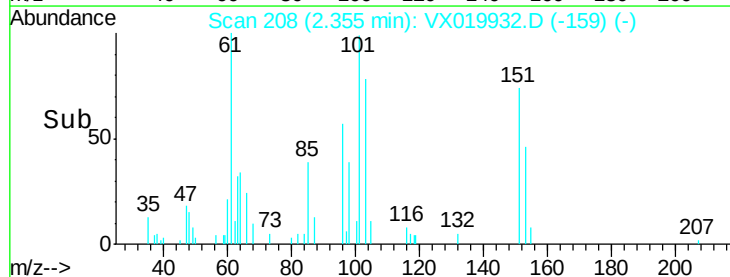
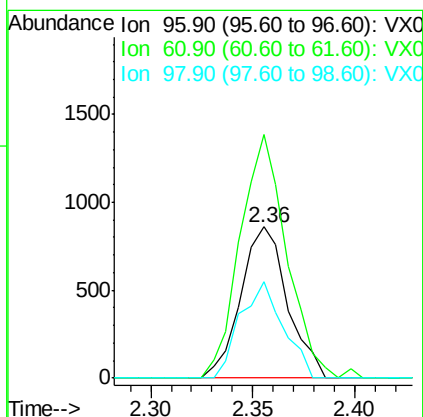
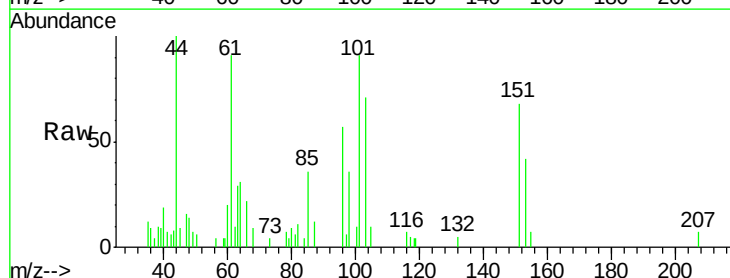
Tgt Ion: 59 Resp: 6754
Ion Ratio Lower Upper
59 100
57 1.1 7.8 11.8#

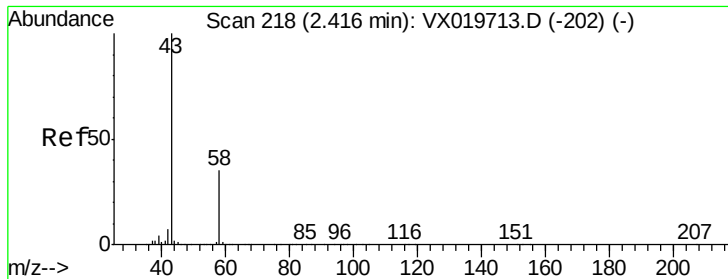


#12

1,1-Dichloroethene
Concen: 0.470 ug/l
RT: 2.36 min Scan# 208
Delta R.T. 0.00 min
Lab File: VX019932.D
Acq: 12 Dec 2020 15:14

Tgt Ion: 96 Resp: 1366
Ion Ratio Lower Upper
96 100
61 161.0 124.6 187.0
98 63.5 50.6 76.0





#16

Acetone

Concen: 0.767 ug/l

RT: 2.42 min Scan# 218

Delta R.T. 0.00 min

Lab File: VX019932.D

Acq: 12 Dec 2020 15:14

Instrument :

MSVOA_X

ClientSampleId :

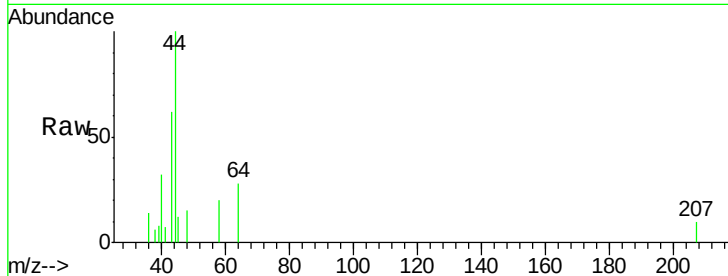
RE132D6-20201207DL

Tgt Ion: 43 Resp: 1203

Ion Ratio Lower Upper

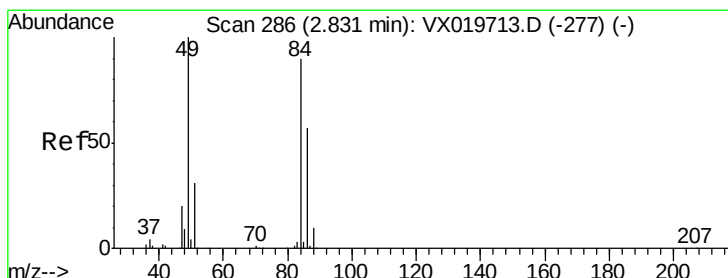
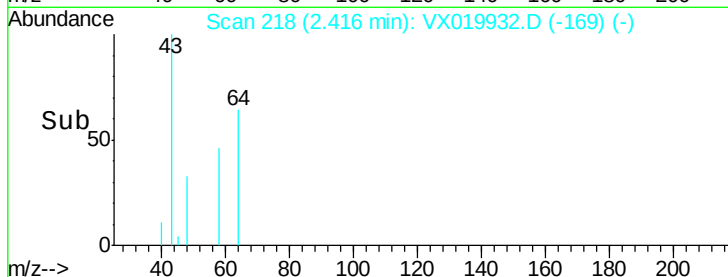
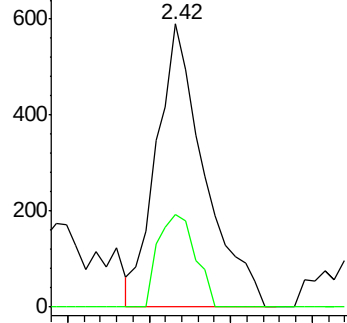
43 100

58 32.5 27.8 41.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#20

Methylene Chloride

Concen: Below Cal

RT: 2.84 min Scan# 287

Delta R.T. 0.01 min

Lab File: VX019932.D

Acq: 12 Dec 2020 15:14

Tgt Ion: 84 Resp: 871

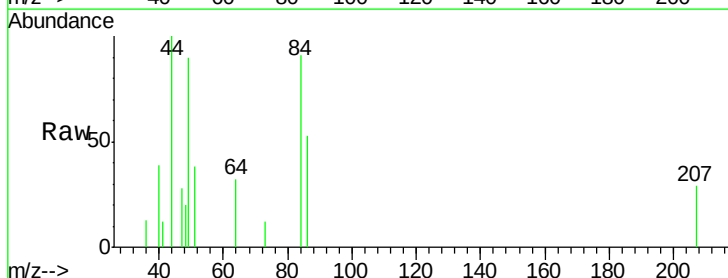
Ion Ratio Lower Upper

84 100

49 99.2 88.6 132.8

51 41.7 27.0 40.6#

86 57.9 50.3 75.5

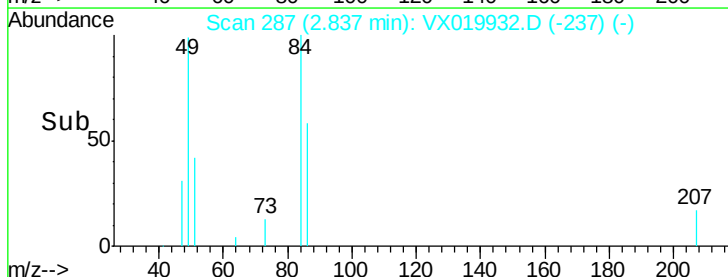
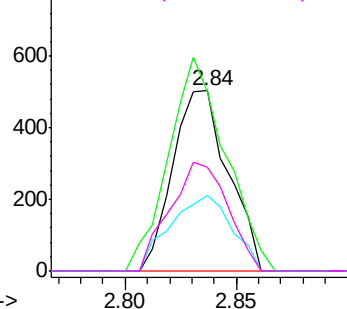


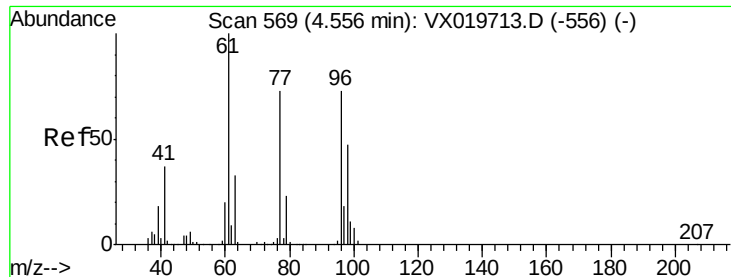
Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0



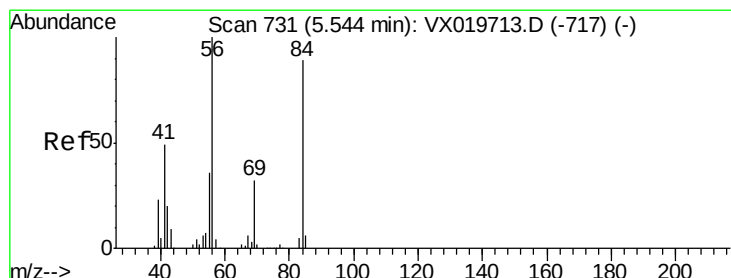
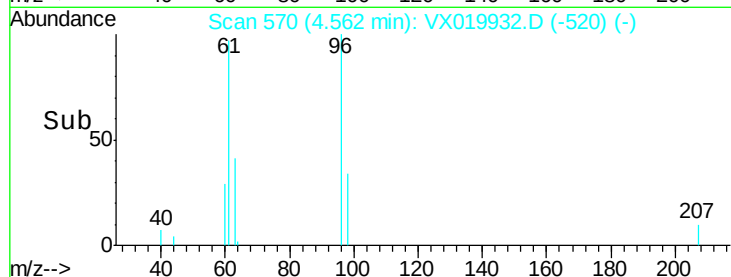
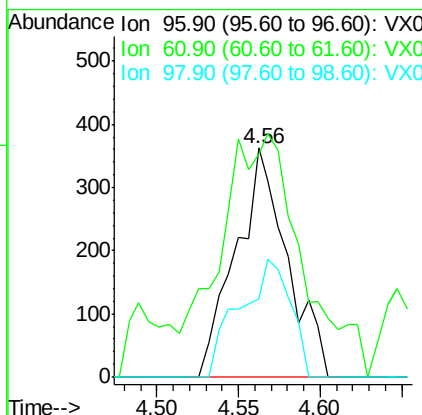
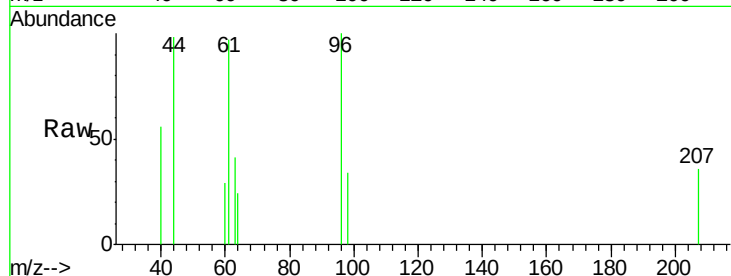


#27

cis-1,2-Dichloroethene
 Concen: 0.201 ug/l
 RT: 4.56 min Scan# 570
 Delta R.T. 0.01 min
 Lab File: VX019932.D
 Acq: 12 Dec 2020 15:14

Instrument :
 MSVOA_X
 ClientSampleId :
 RE132D6-20201207DL

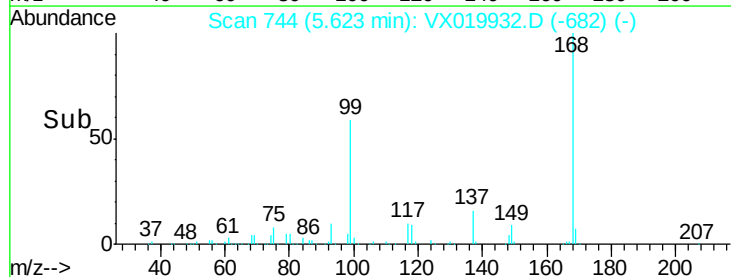
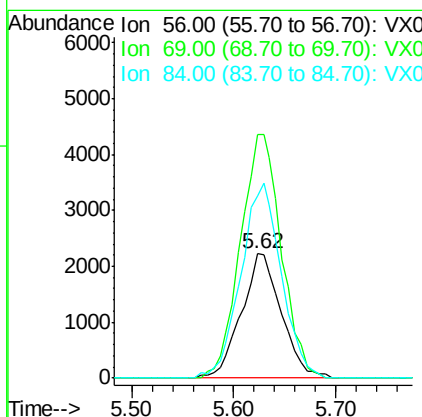
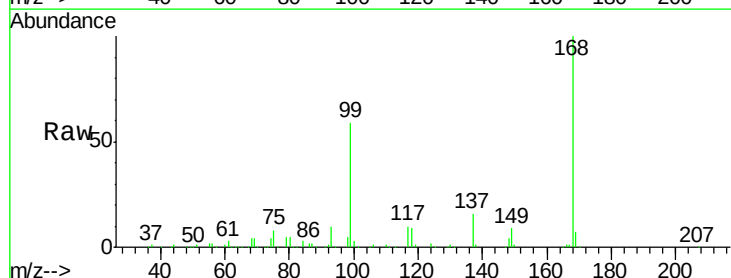
Tgt Ion: 96 Resp: 796
 Ion Ratio Lower Upper
 96 100
 61 167.7 0.0 285.6
 98 50.4 0.0 129.6

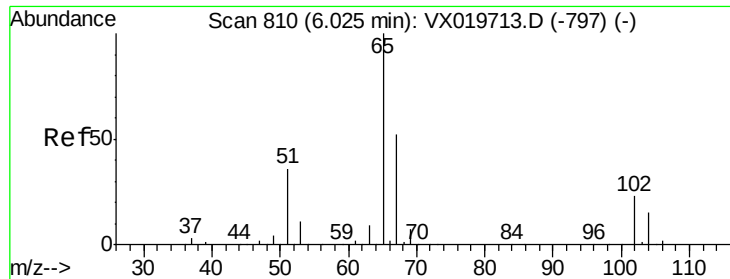


#31

Cyclohexane
 Concen: 1.164 ug/l
 RT: 5.62 min Scan# 744
 Delta R.T. 0.08 min
 Lab File: VX019932.D
 Acq: 12 Dec 2020 15:14

Tgt Ion: 56 Resp: 6038
 Ion Ratio Lower Upper
 56 100
 69 196.2 25.3 37.9#
 84 146.3 71.4 107.0#

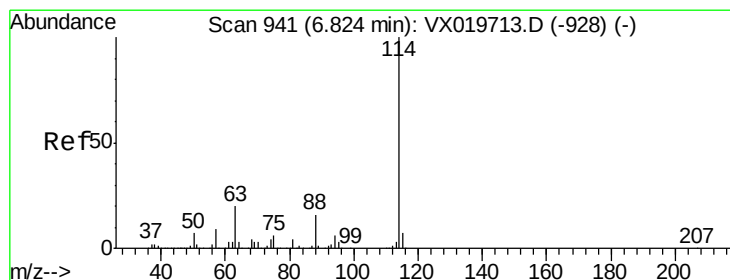
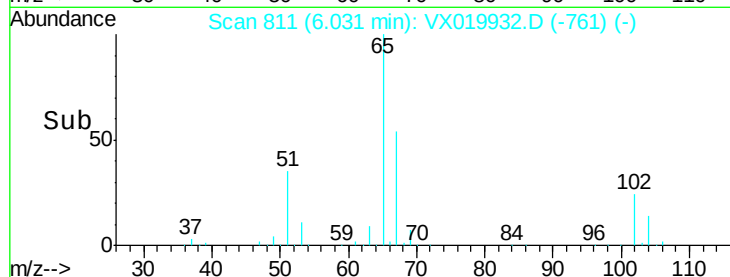
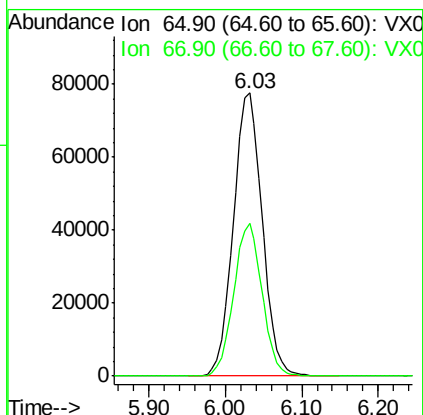
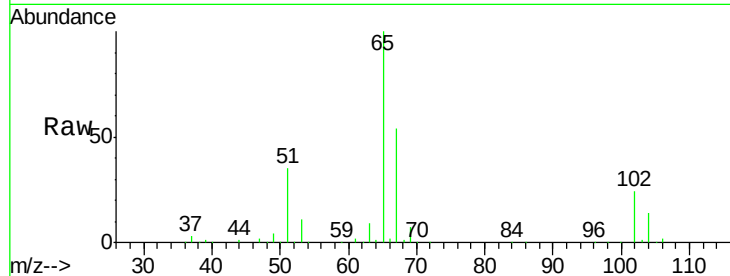




#33
 1,2-Dichloroethane-d4
 Concen: 48.632 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. 0.01 min
 Lab File: VX019932.D
 Acq: 12 Dec 2020 15:14

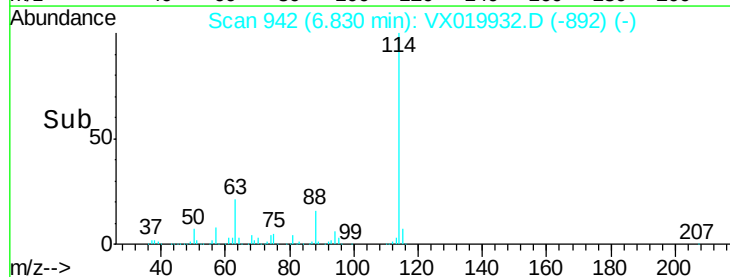
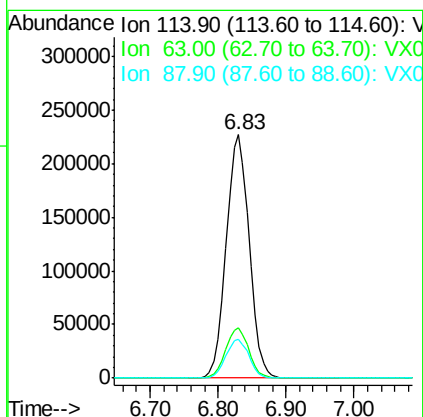
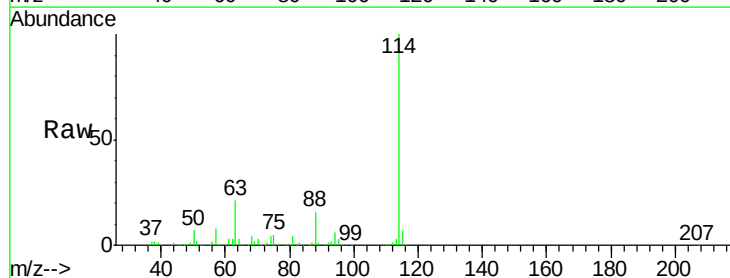
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 RE132D6-20201207DL

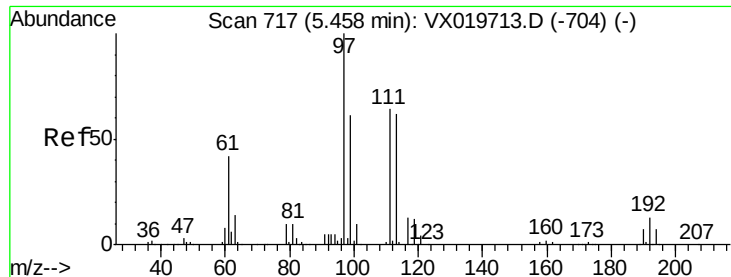
Tgt Ion: 65 Resp: 202836
 Ion Ratio Lower Upper
 65 100
 67 53.1 0.0 105.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. 0.01 min
 Lab File: VX019932.D
 Acq: 12 Dec 2020 15:14

Tgt Ion: 114 Resp: 530126
 Ion Ratio Lower Upper
 114 100
 63 20.6 0.0 40.8
 88 16.0 0.0 32.8

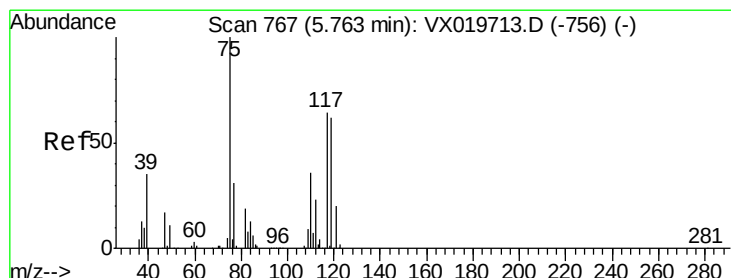
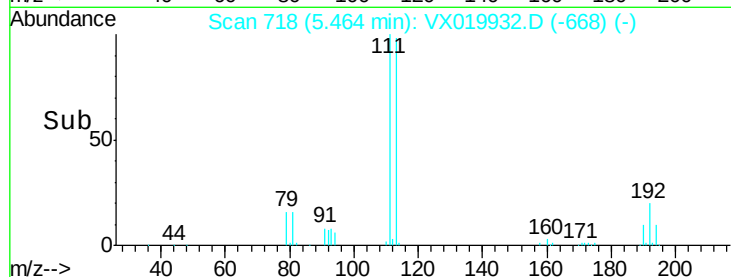
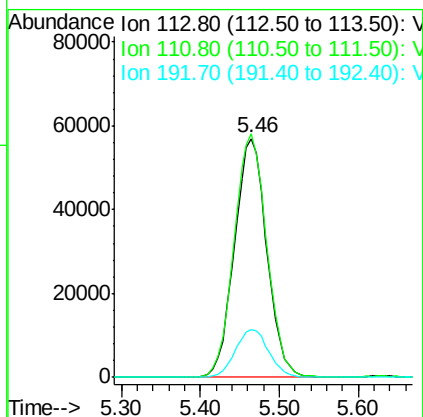
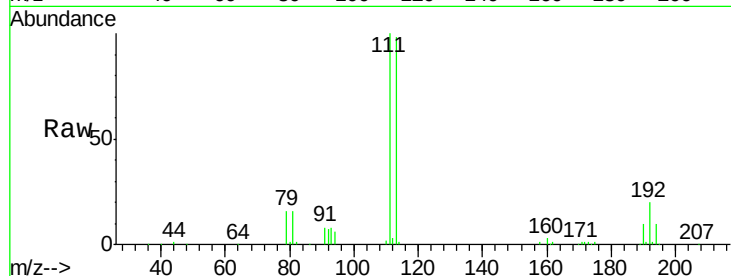




#35
Dibromofluoromethane
Concen: 47.335 ug/l
RT: 5.46 min Scan# 718
Delta R.T. 0.01 min
Lab File: VX019932.D
Acq: 12 Dec 2020 15:14

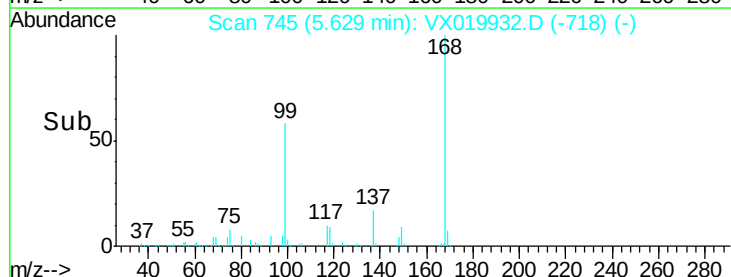
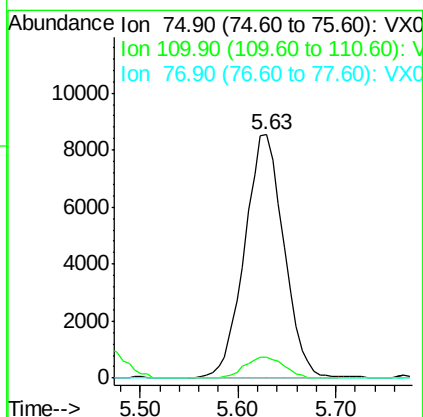
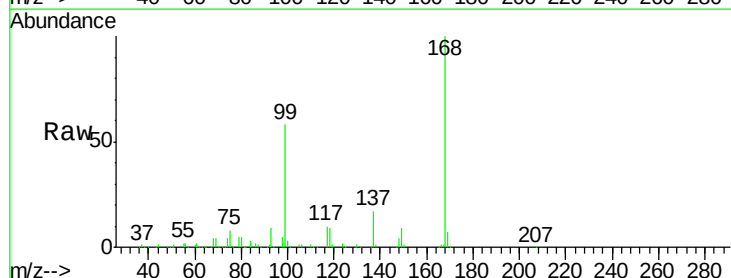
Instrument :
MSVOA_X
ClientSampleId :
RE132D6-20201207DL

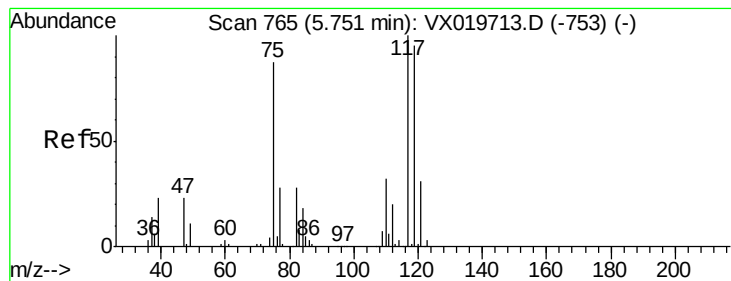
Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.0	81.9	122.9
192	20.7	16.7	25.1



#36
1,1-Dichloropropene
Concen: 4.992 ug/l
RT: 5.63 min Scan# 745
Delta R.T. -0.13 min
Lab File: VX019932.D
Acq: 12 Dec 2020 15:14

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.6	18.1	54.4#
77	0.0	25.3	37.9#





#38

Carbon Tetrachloride

Concen: 6.570 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.12 min

Lab File: VX019932.D

Acq: 12 Dec 2020 15:14

Instrument :

MSVOA_X

ClientSampleId :

RE132D6-20201207DL

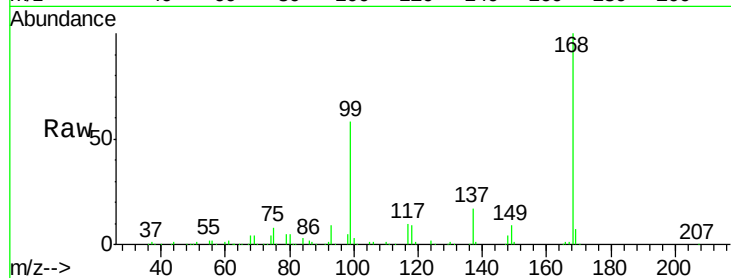
Tgt Ion:117 Resp: 30821

Ion Ratio Lower Upper

117 100

119 5.4 76.2 114.2#

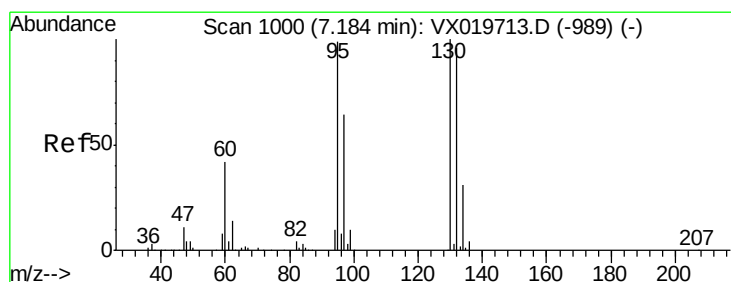
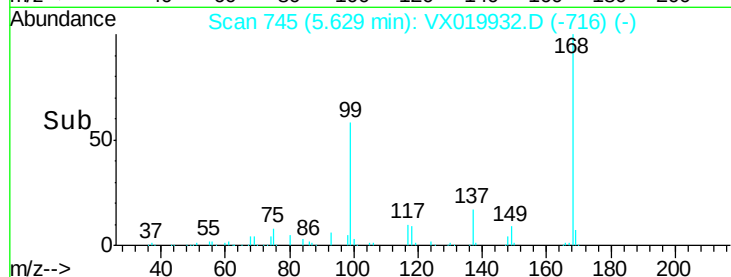
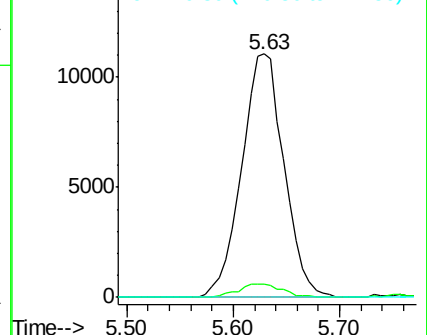
121 0.0 24.8 37.2#



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



#44

Trichloroethene

Concen: 59.948 ug/l

RT: 7.18 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VX019932.D

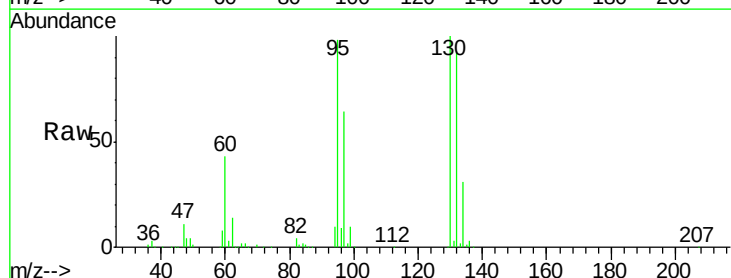
Acq: 12 Dec 2020 15:14

Tgt Ion:130 Resp: 230165

Ion Ratio Lower Upper

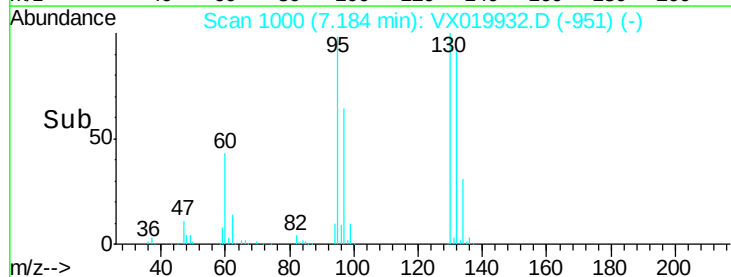
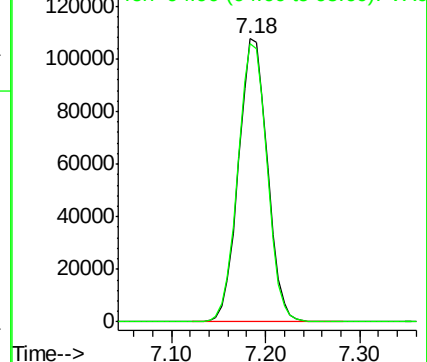
130 100

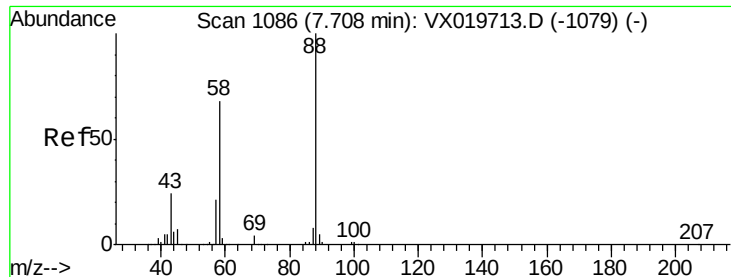
95 98.2 0.0 198.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

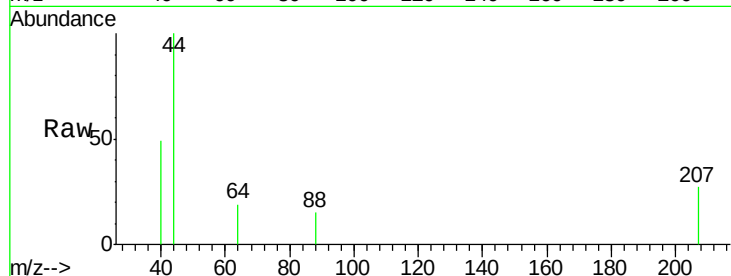




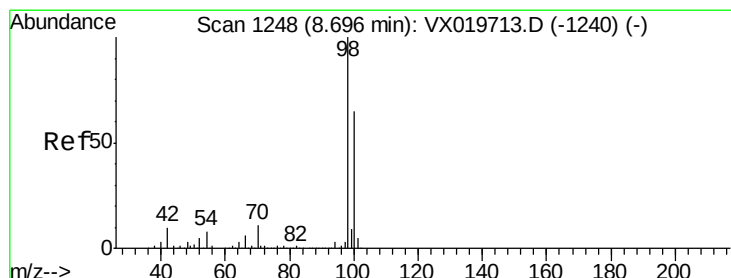
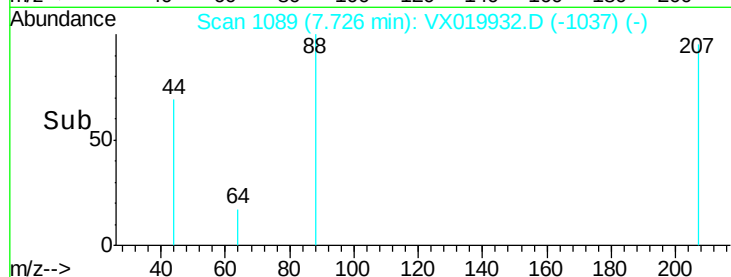
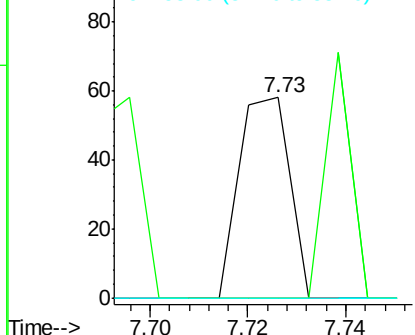
#49
1,4-Dioxane
Concen: 0.448 ug/l
RT: 7.73 min Scan# 1089
Delta R.T. 0.02 min
Lab File: VX019932.D
Acq: 12 Dec 2020 15:14

Instrument :
MSVOA_X
ClientSampleId :
RE132D6-20201207DL

Tgt Ion: 88 Resp: 42
Ion Ratio Lower Upper
88 100
43 61.9 23.2 34.8#
58 0.0 55.0 82.4#

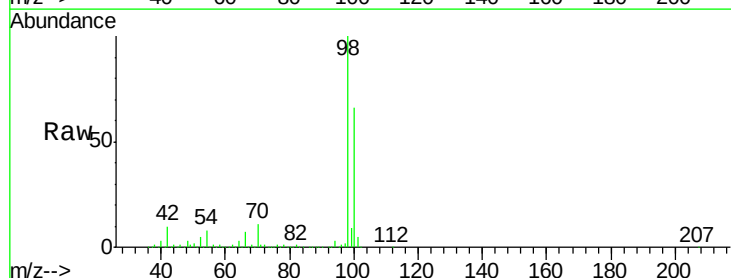


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

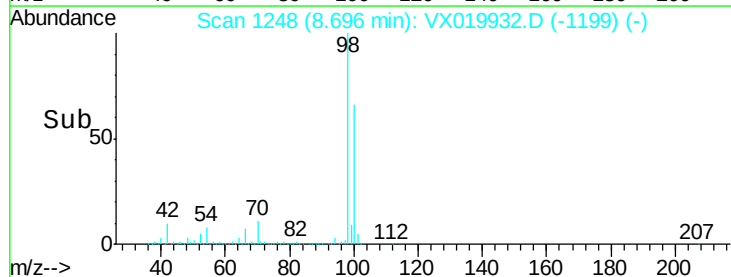
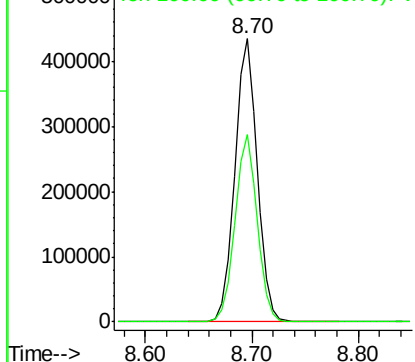


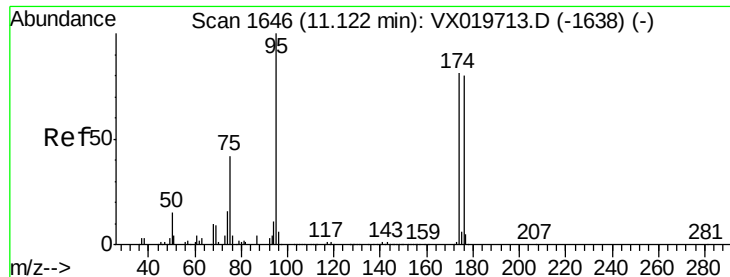
#50
Toluene-d8
Concen: 49.060 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VX019932.D
Acq: 12 Dec 2020 15:14

Tgt Ion: 98 Resp: 641706
Ion Ratio Lower Upper
98 100
100 65.6 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): VX0





#62

4-Bromofluorobenzene

Concen: 45.516 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX019932.D

Acq: 12 Dec 2020 15:14

Instrument :

MSVOA_X

ClientSampleId :

RE132D6-20201207DL

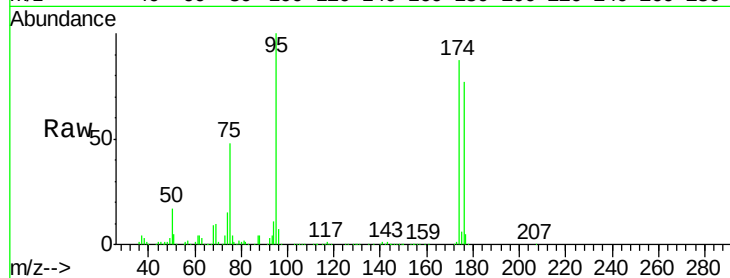
Tgt Ion: 95 Resp: 226599

Ion Ratio Lower Upper

95 100

174 78.9 0.0 154.6

176 74.1 0.0 155.8



Abundance Ion 94.90 (94.60 to 95.60): VX019713.D (-1638) (-)

Ion 173.80 (173.50 to 174.50): VX019713.D (-1638) (-)

Ion 175.80 (175.50 to 176.50): VX019713.D (-1638) (-)

11.12

200000

150000

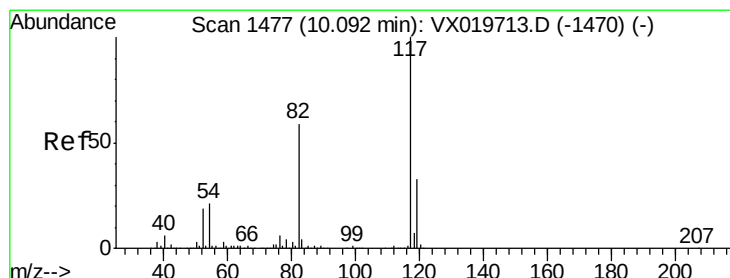
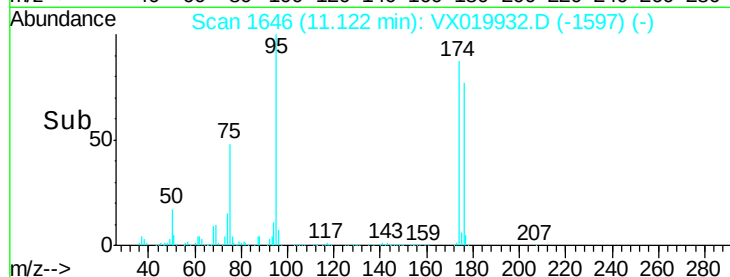
100000

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: VX019932.D

Acq: 12 Dec 2020 15:14

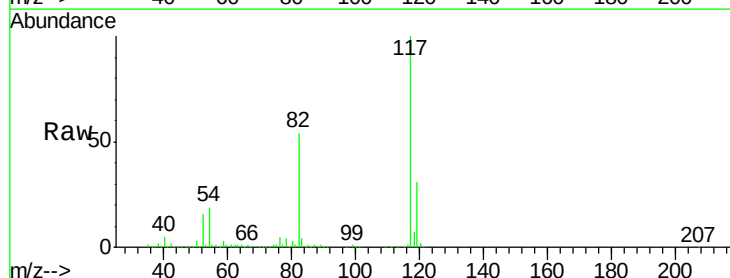
Tgt Ion: 117 Resp: 489253

Ion Ratio Lower Upper

117 100

82 53.8 47.4 71.2

119 31.4 26.6 39.8



Abundance Ion 116.90 (116.60 to 117.60): VX019713.D (-1470) (-)

Ion 82.00 (81.70 to 82.70): VX019713.D (-1470) (-)

Ion 118.90 (118.60 to 119.60): VX019713.D (-1470) (-)

10.10

500000

400000

300000

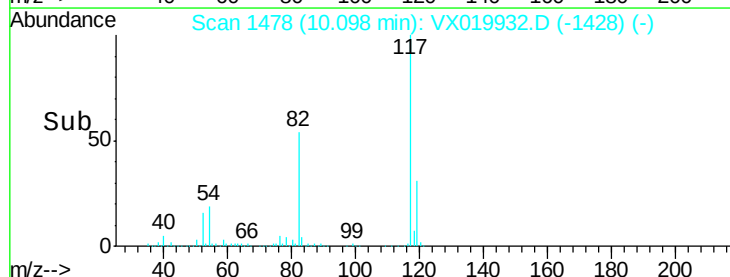
200000

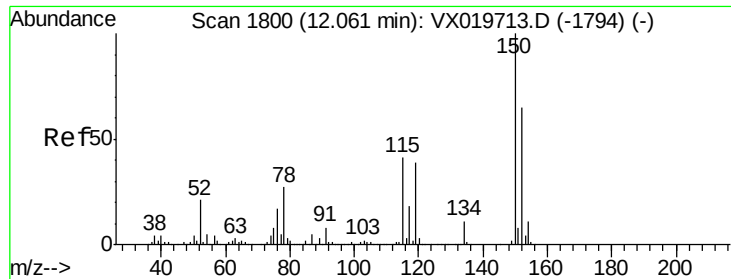
100000

0

10.00 10.10 10.20

Time-->





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. 0.00 min

Lab File: VX019932.D

Acq: 12 Dec 2020 15:14

Instrument :

MSVOA_X

ClientSampleId :

RE132D6-20201207DL

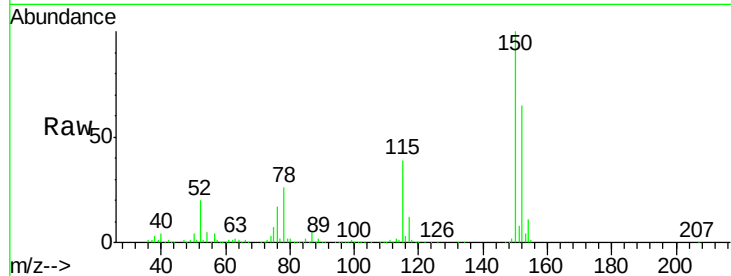
Tgt Ion: 152 Resp: 214317

Ion Ratio Lower Upper

152 100

115 60.4 41.1 123.3

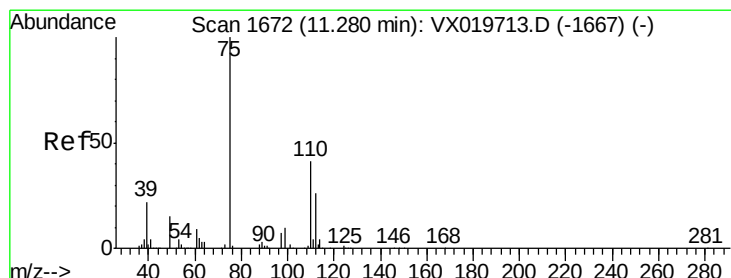
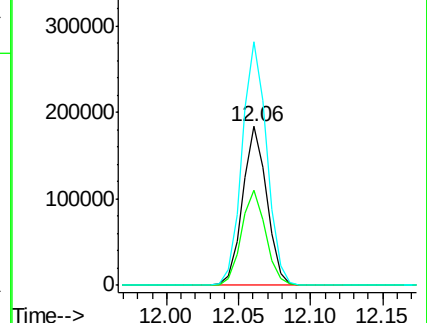
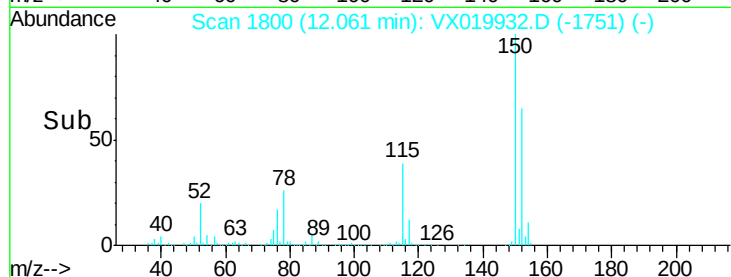
150 157.1 0.0 349.0



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: 22.985 ug/l

RT: 11.12 min Scan# 1645

Delta R.T. -0.16 min

Lab File: VX019932.D

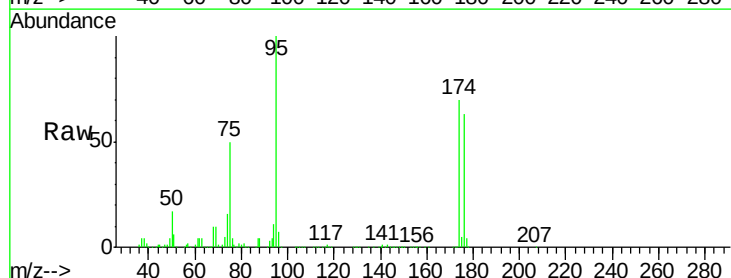
Acq: 12 Dec 2020 15:14

Tgt Ion: 75 Resp: 110483

Ion Ratio Lower Upper

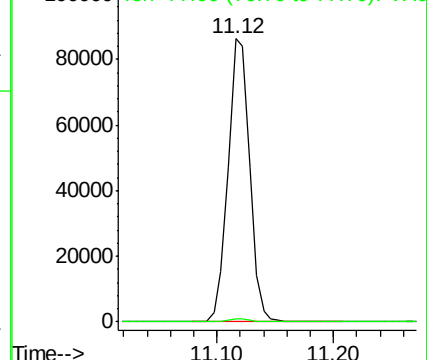
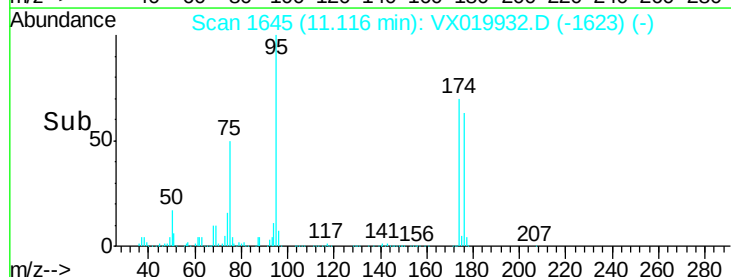
75 100

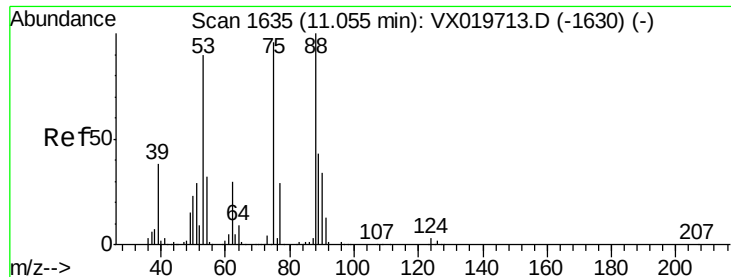
77 1.2 19.1 57.5#



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: 66.445 ug/l

RT: 11.12 min Scan# 1645

Delta R.T. 0.06 min

Lab File: VX019932.D

Acq: 12 Dec 2020 15:14

Instrument :

MSVOA_X

ClientSampleId :

RE132D6-20201207DL

Tgt Ion: 75 Resp: 110483

Ion Ratio Lower Upper

75 100

53 0.0 74.5 111.7#

89 0.0 37.9 56.9#

