

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX121220\
 Data File : VX019933.D
 Acq On : 12 Dec 2020 15:38
 Operator : JC/MD
 Sample : L4996-17
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE134D1-20201207

Quant Time: Dec 14 05:29:34 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	311928	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	514624	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	469575	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	206887	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	197770	48.24	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	96.48%	
35) Dibromofluoromethane		5.46	113	158878	47.77	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	95.54%	
50) Toluene-d8		8.70	98	628873	49.53	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	99.06%	
62) 4-Bromofluorobenzene		11.12	95	218388	45.19	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	90.38%	

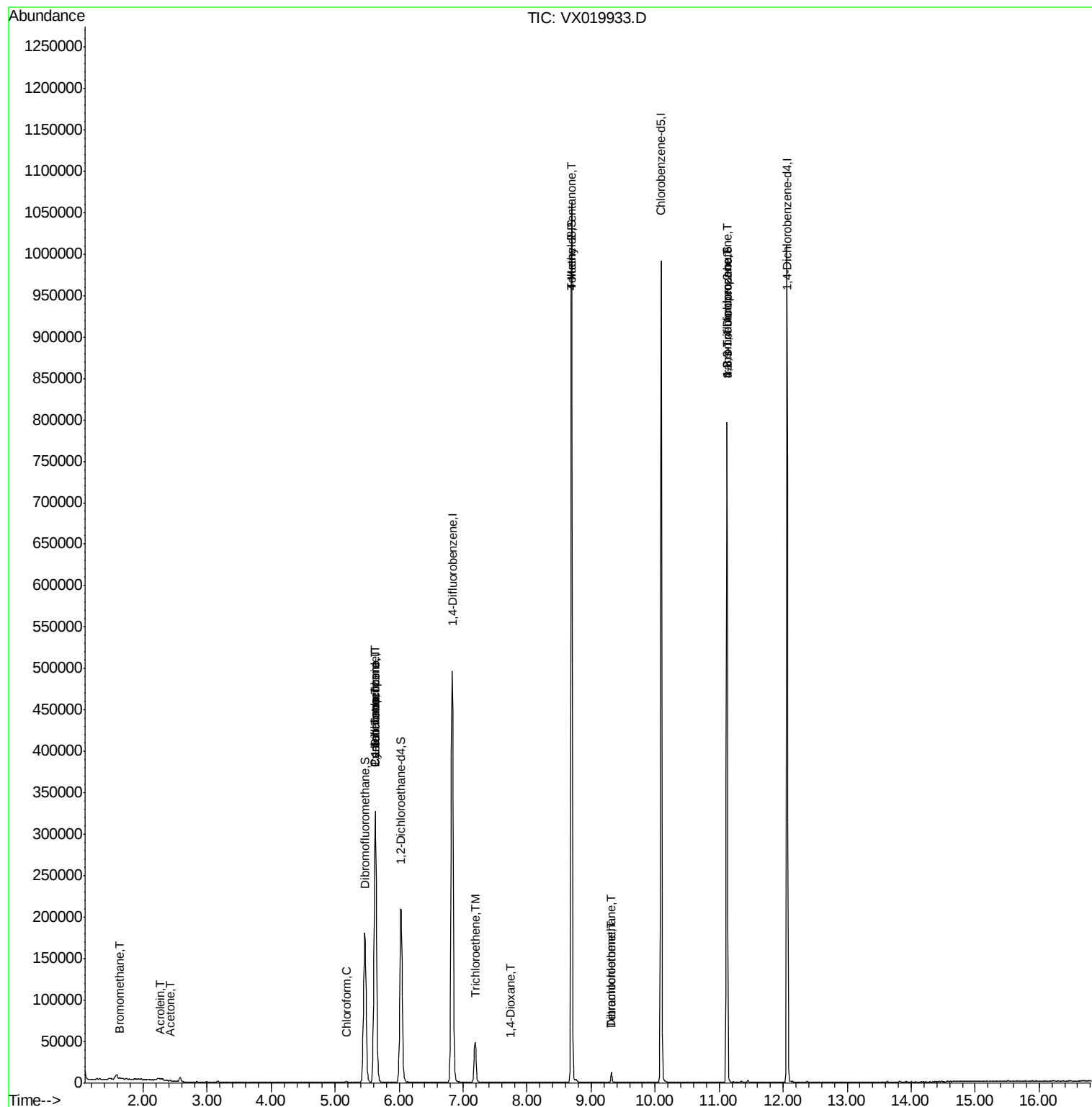
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	742	0.631	ug/l	99
11) Tert butyl alcohol	3.00	59	513	Below Cal	#	73
13) Acrolein	2.26	56	93	0.206	ug/l #	68
16) Acetone	2.42	43	1343	0.872	ug/l	99
20) Methylene Chloride	2.83	84	330	Below Cal	#	78
30) Chloroform	5.17	83	1499	0.248	ug/l	96
31) Cyclohexane	5.62	56	6100	1.196	ug/l #	1
36) 1,1-Dichloropropene	5.62	75	23675	5.091	ug/l #	48
38) Carbon Tetrachloride	5.63	117	30267	6.646	ug/l #	17
44) Trichloroethene	7.19	130	19785	5.308	ug/l	100
49) 1,4-Dioxane	7.74	88	167	1.836	ug/l #	22
51) 4-Methyl-2-Pentanone	8.70	43	2501	0.537	ug/l #	1
60) Dibromochloromethane	9.32	129	2214	0.609	ug/l #	11
64) Tetrachloroethene	9.32	164	2207	0.701	ug/l #	88
76) 1,2,3-Trichloropropane	11.12	75	105625	22.763	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.12	75	105625	65.805	ug/l #	12

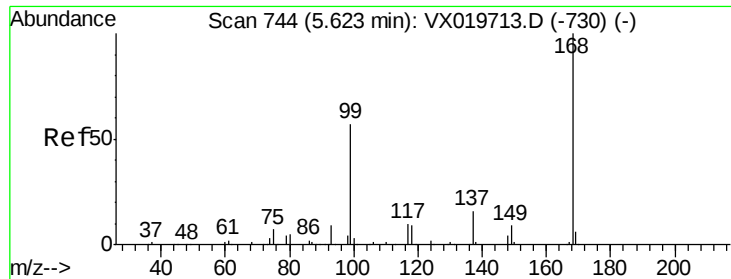
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX019933.D

Acq: 12 Dec 2020 15:38

Instrument :

MSVOA_X

ClientSampleId :

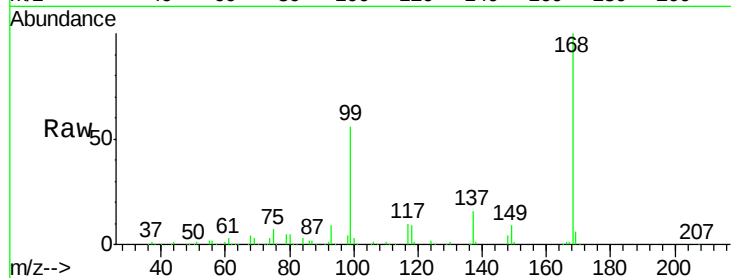
RE134D1-20201207

Tgt Ion:168 Resp: 311928

Ion Ratio Lower Upper

168 100

99 55.7 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

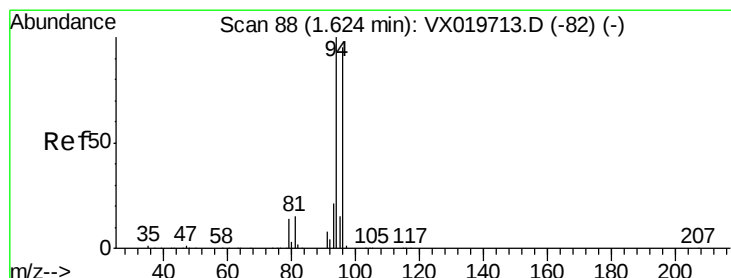
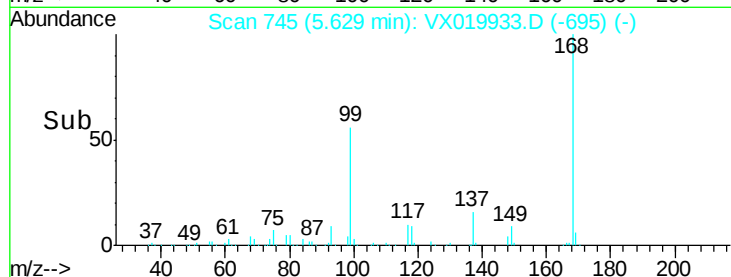
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.631 ug/l

RT: 1.64 min Scan# 90

Delta R.T. 0.01 min

Lab File: VX019933.D

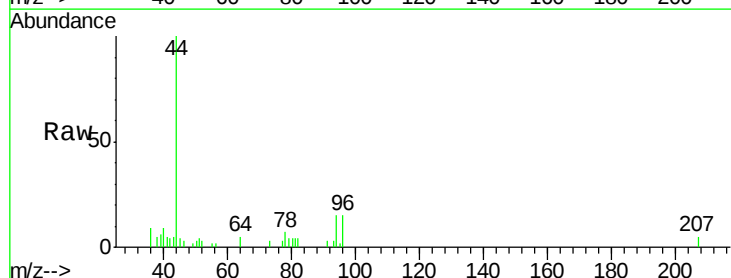
Acq: 12 Dec 2020 15:38

Tgt Ion: 94 Resp: 742

Ion Ratio Lower Upper

94 100

96 96.4 76.4 114.6



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

400

300

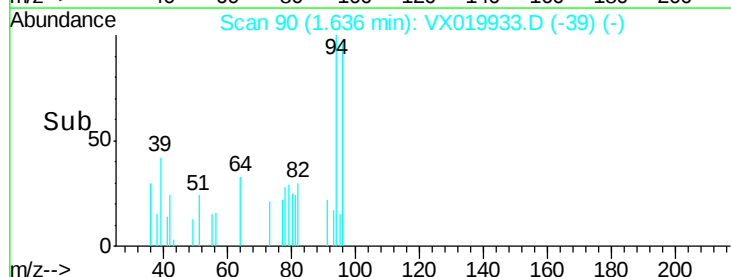
200

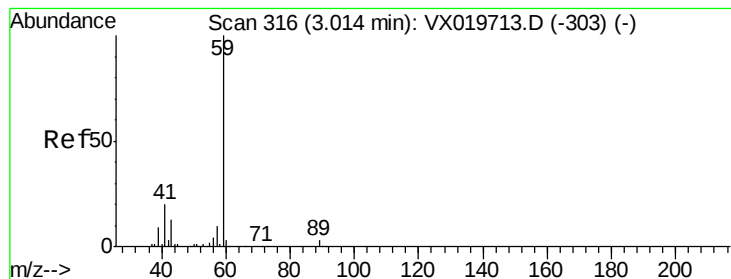
100

0

Time-->

1.60 1.65 1.70



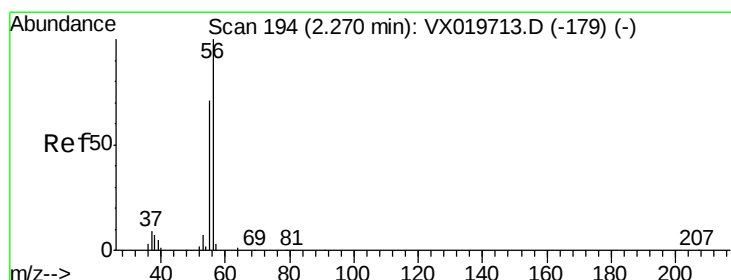
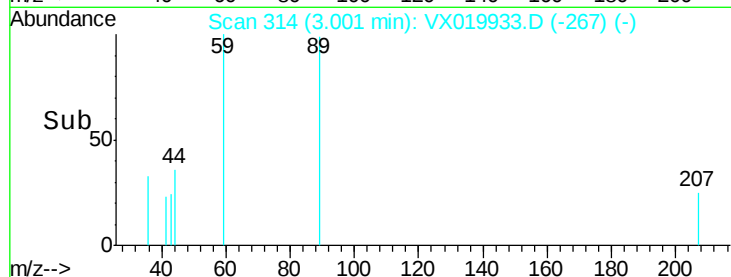
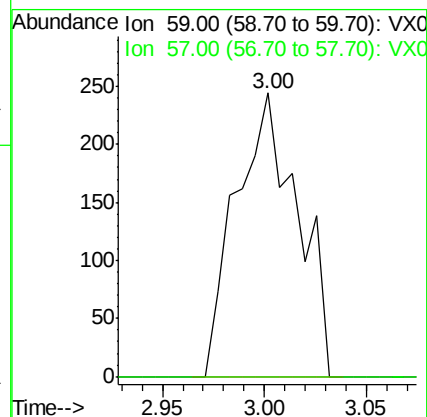
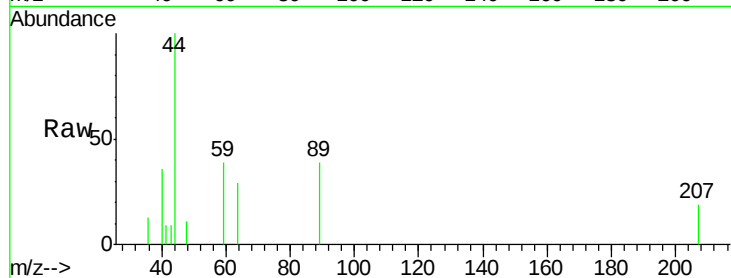


#11

Tert butyl alcohol
Concen: Below Cal
RT: 3.00 min Scan# 314
Delta R.T. -0.01 min
Lab File: VX019933.D
Acq: 12 Dec 2020 15:38

Instrument :
MSVOA_X
ClientSampleId :
RE134D1-20201207

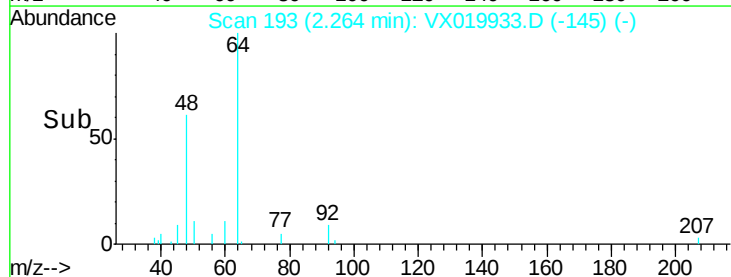
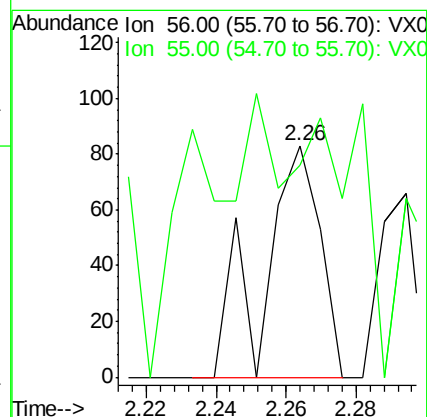
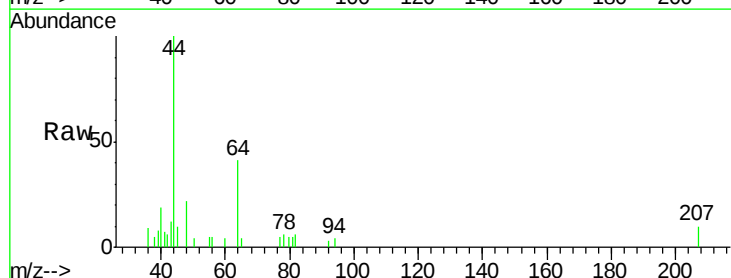
Tgt Ion: 59 Resp: 513
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

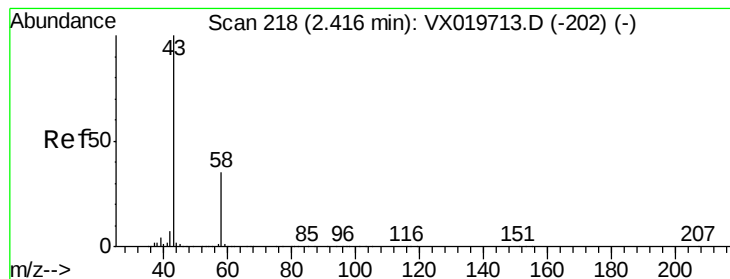


#13

Acrolein
Concen: 0.206 ug/l
RT: 2.26 min Scan# 193
Delta R.T. -0.01 min
Lab File: VX019933.D
Acq: 12 Dec 2020 15:38

Tgt Ion: 56 Resp: 93
Ion Ratio Lower Upper
56 100
55 96.8 56.4 84.6#





#16

Acetone

Concen: 0.872 ug/l

RT: 2.42 min Scan# 218

Delta R.T. 0.00 min

Lab File: VX019933.D

Acq: 12 Dec 2020 15:38

Instrument :

MSVOA_X

ClientSampleId :

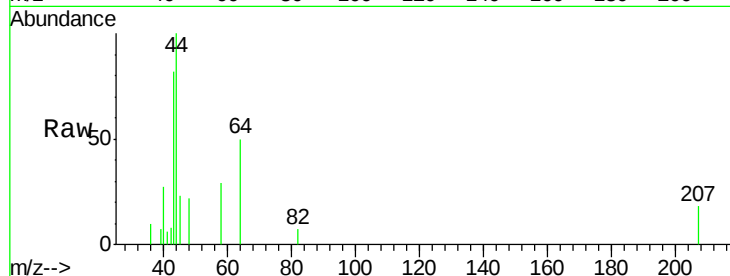
RE134D1-20201207

Tgt Ion: 43 Resp: 1343

Ion Ratio Lower Upper

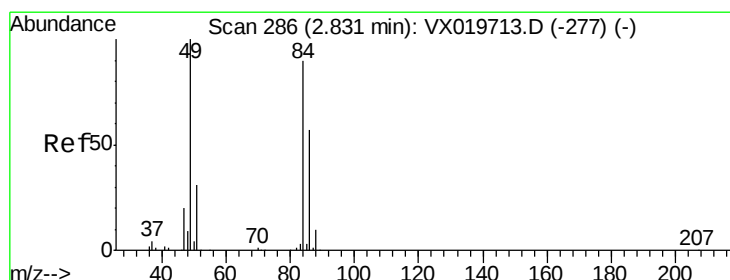
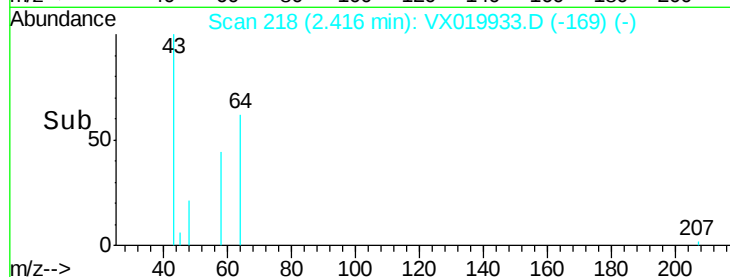
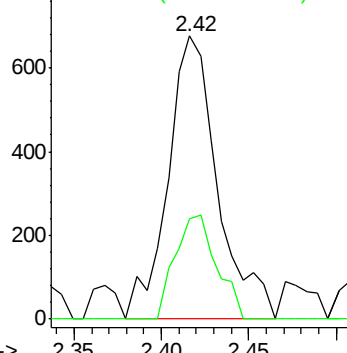
43 100

58 35.5 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: 2.83 min Scan# 286

Delta R.T. 0.00 min

Lab File: VX019933.D

Acq: 12 Dec 2020 15:38

Tgt Ion: 84 Resp: 330

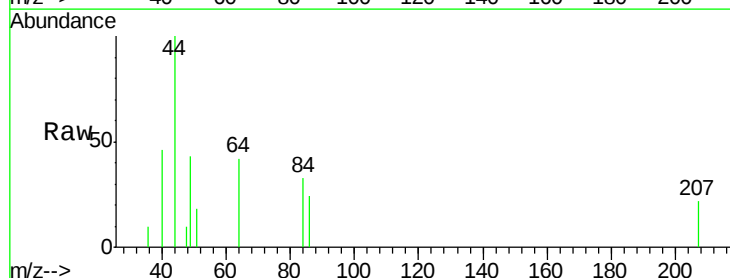
Ion Ratio Lower Upper

84 100

49 133.7 88.6 132.8#

51 55.2 27.0 40.6#

86 73.3 50.3 75.5

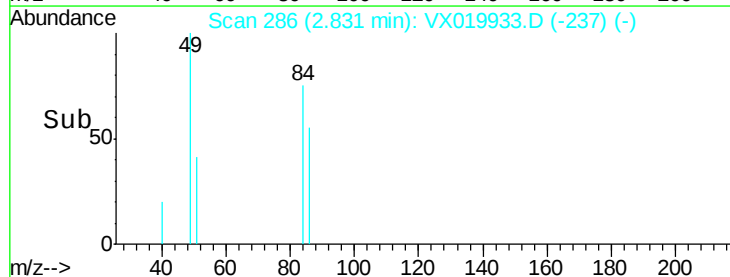
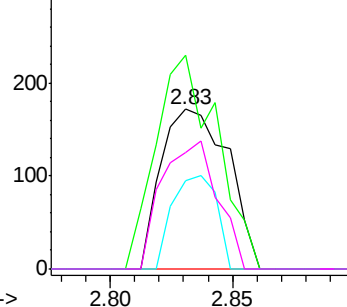


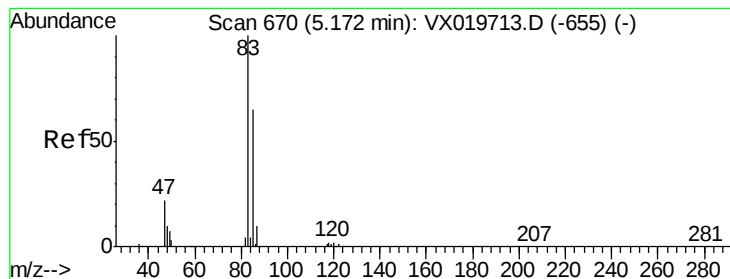
Abundance Ion 83.90 (83.60 to 84.60): VX0

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





#30

Chloroform

Concen: 0.248 ug/l

RT: 5.17 min Scan# 670

Delta R.T. 0.00 min

Lab File: VX019933.D

Acq: 12 Dec 2020 15:38

Instrument :

MSVOA_X

ClientSampleId :

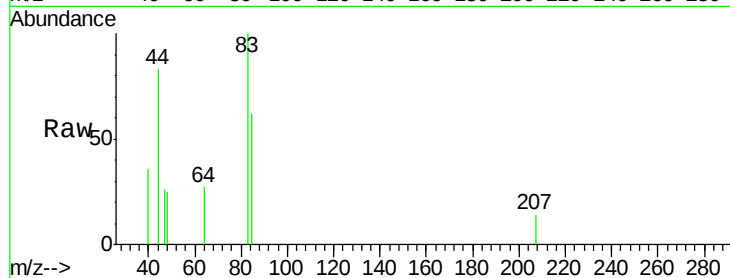
RE134D1-20201207

Tgt Ion: 83 Resp: 1499

Ion Ratio Lower Upper

83 100

85 62.1 52.0 78.0



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

5.17

600

500

400

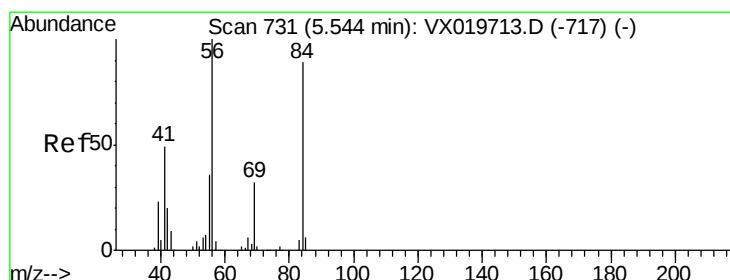
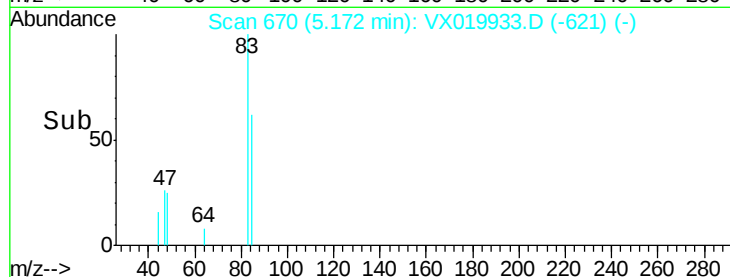
300

200

100

0

Time-->



#31

Cyclohexane

Concen: 1.196 ug/l

RT: 5.62 min Scan# 744

Delta R.T. 0.08 min

Lab File: VX019933.D

Acq: 12 Dec 2020 15:38

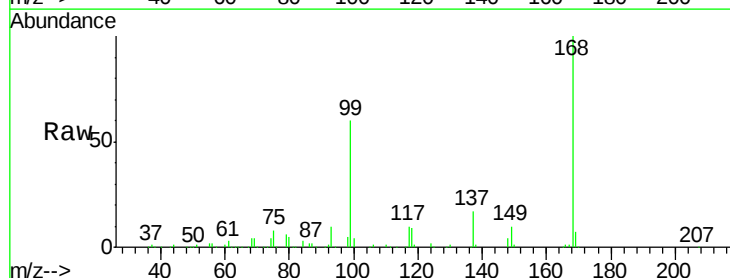
Tgt Ion: 56 Resp: 6100

Ion Ratio Lower Upper

56 100

69 194.2 25.3 37.9#

84 165.2 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

5000

4000

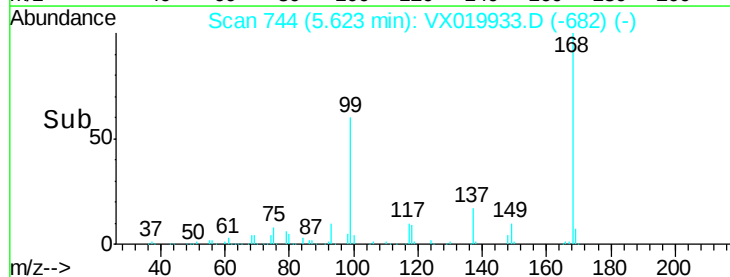
3000

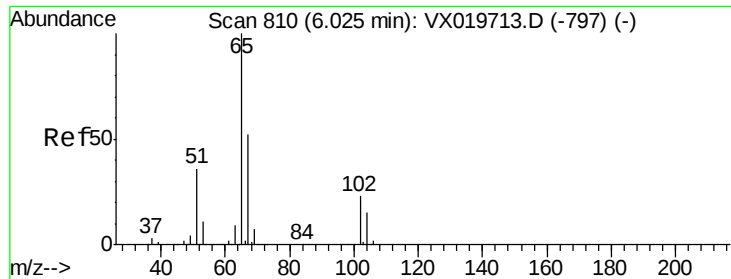
2000

1000

0

Time-->





#33

1,2-Dichloroethane-d4

Concen: 48.241 ug/l

RT: 6.03 min Scan# 811

Delta R.T. 0.01 min

Lab File: VX019933.D

Acq: 12 Dec 2020 15:38

Instrument :

MSVOA_X

ClientSampleId :

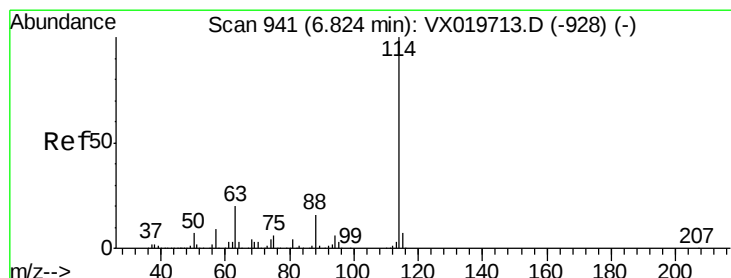
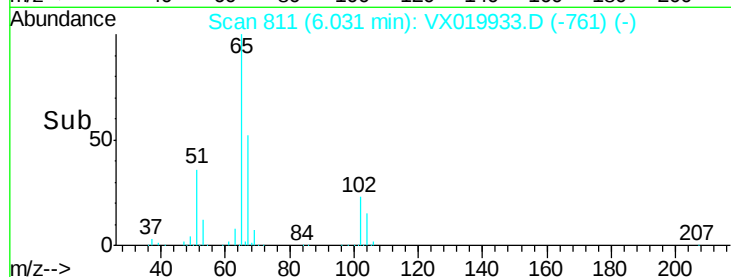
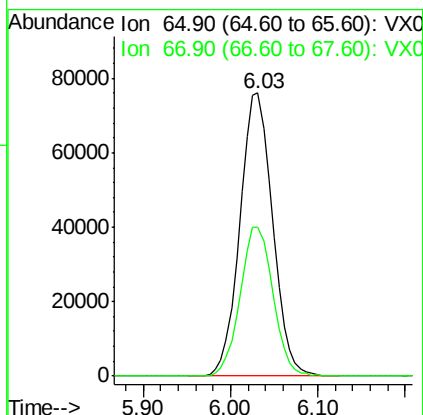
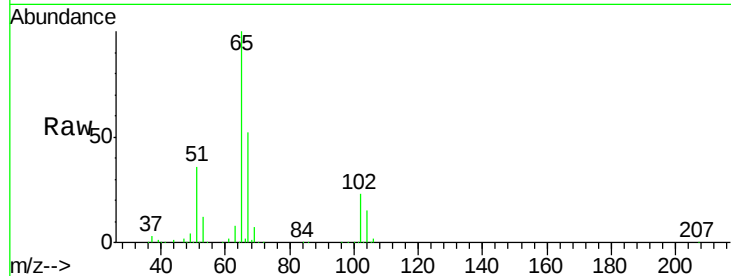
RE134D1-20201207

Tgt Ion: 65 Resp: 197770

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: VX019933.D

Acq: 12 Dec 2020 15:38

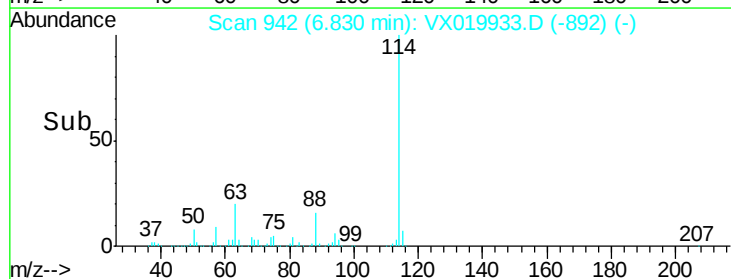
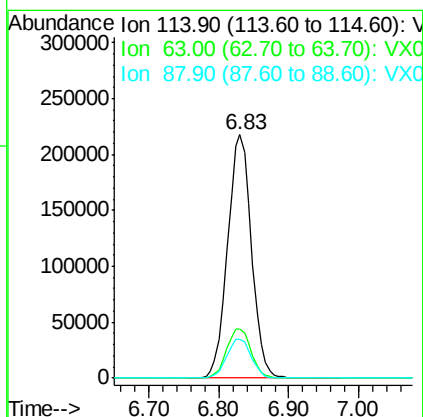
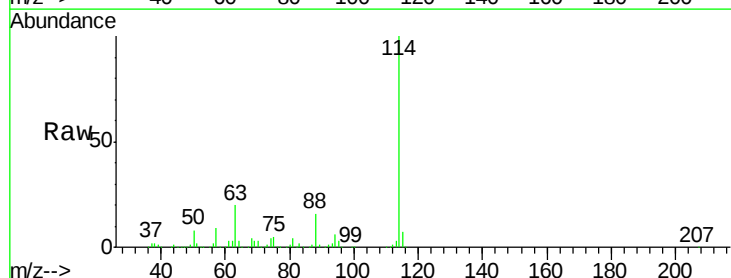
Tgt Ion: 114 Resp: 514624

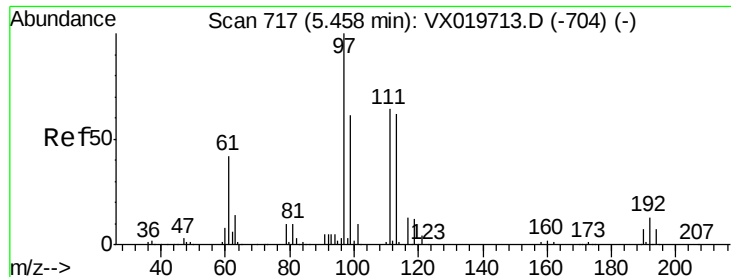
Ion Ratio Lower Upper

114 100

63 20.1 0.0 40.8

88 15.9 0.0 32.8

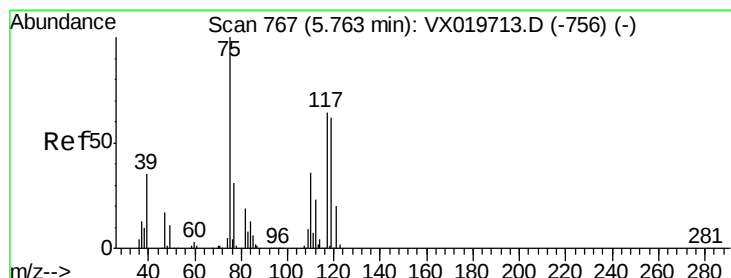
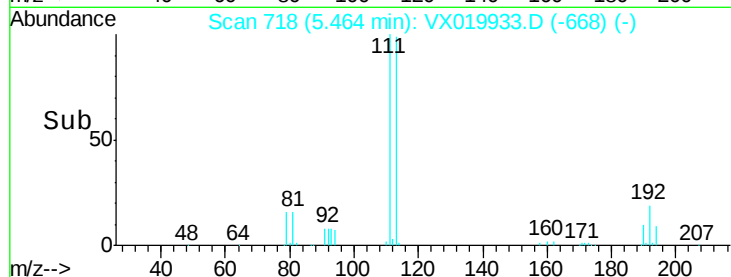
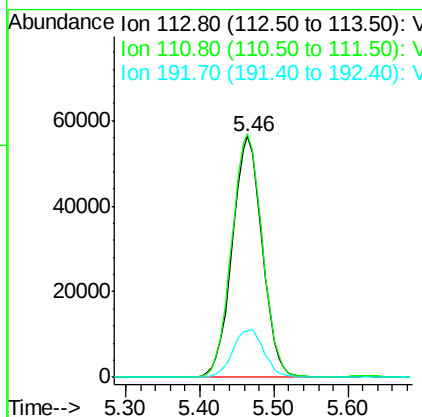
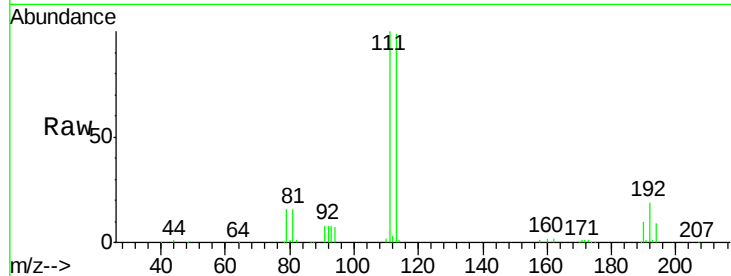




#35
 Dibromofluoromethane
 Concen: 47.769 ug/l
 RT: 5.46 min Scan# 718
 Delta R.T. 0.01 min
 Lab File: VX019933.D
 Acq: 12 Dec 2020 15:38

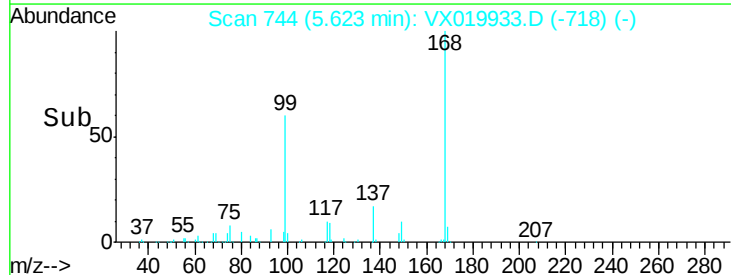
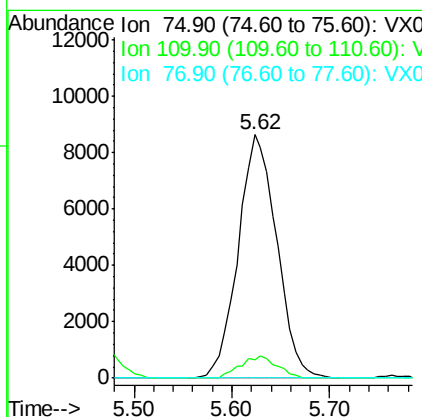
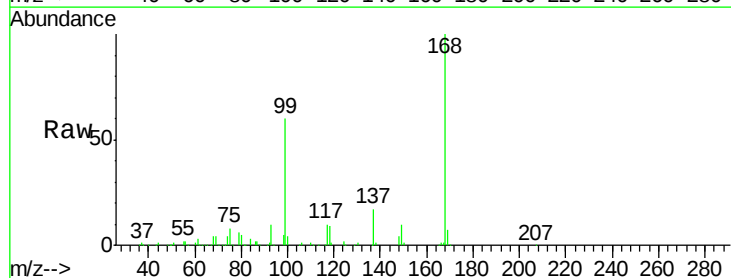
Instrument :
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 RE134D1-20201207

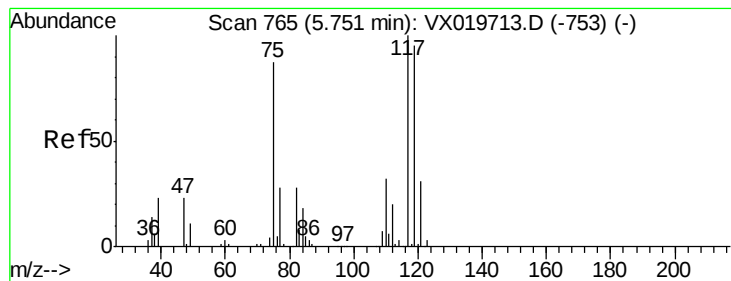
Tgt Ion:113 Resp: 158878
 Ion Ratio Lower Upper
 113 100
 111 103.5 81.9 122.9
 192 20.7 16.7 25.1



#36
 1,1-Dichloropropene
 Concen: 5.091 ug/l
 RT: 5.62 min Scan# 744
 Delta R.T. -0.14 min
 Lab File: VX019933.D
 Acq: 12 Dec 2020 15:38

Tgt Ion: 75 Resp: 23675
 Ion Ratio Lower Upper
 75 100
 110 8.7 18.1 54.4#
 77 0.0 25.3 37.9#





#38

Carbon Tetrachloride

Concen: 6.646 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.12 min

Lab File: VX019933.D

Acq: 12 Dec 2020 15:38

Instrument :

MSVOA_X

ClientSampleId :

RE134D1-20201207

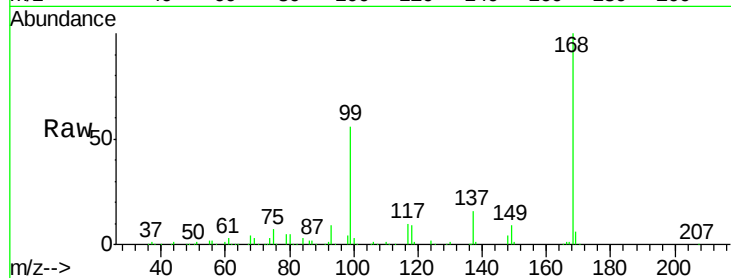
Tgt Ion:117 Resp: 30267

Ion Ratio Lower Upper

117 100

119 5.4 76.2 114.2#

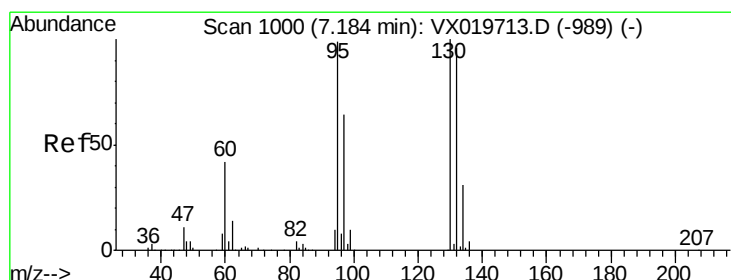
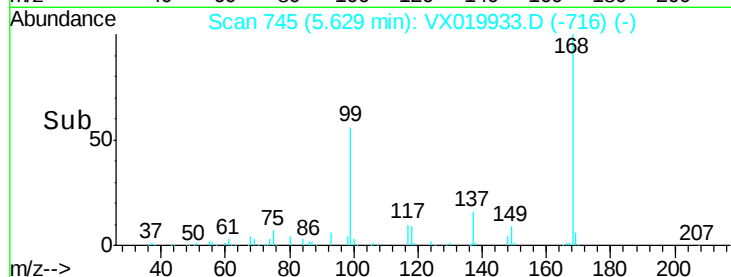
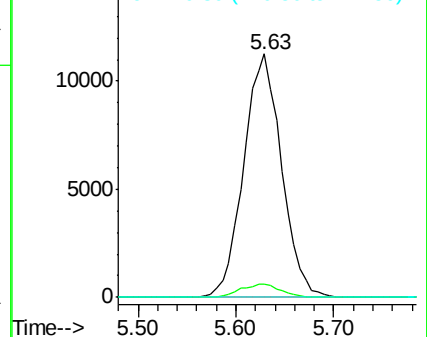
121 0.0 24.8 37.2#



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: 5.308 ug/l

RT: 7.19 min Scan# 1001

Delta R.T. 0.01 min

Lab File: VX019933.D

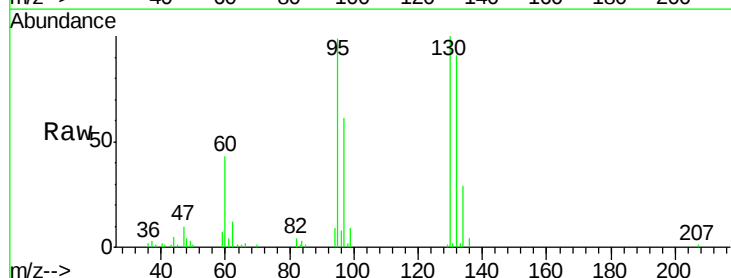
Acq: 12 Dec 2020 15:38

Tgt Ion:130 Resp: 19785

Ion Ratio Lower Upper

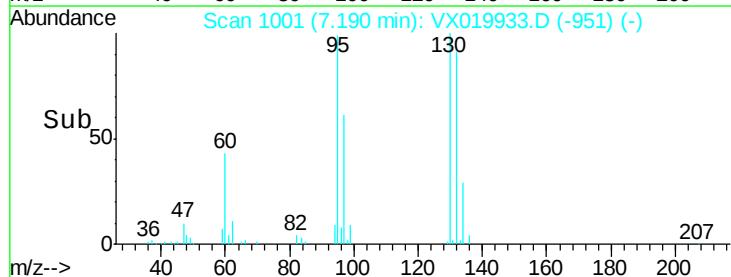
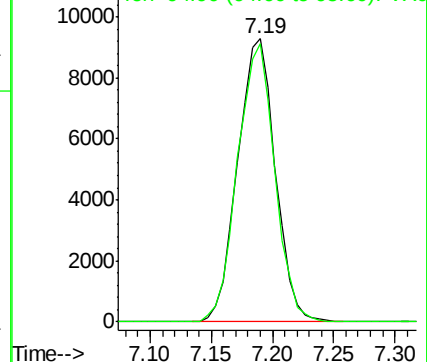
130 100

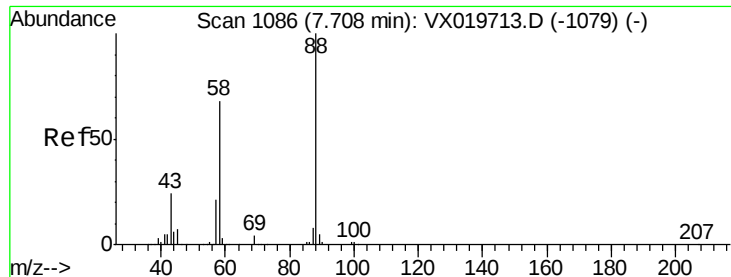
95 98.5 0.0 198.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

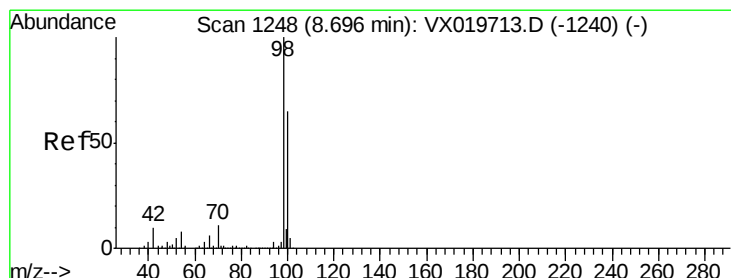
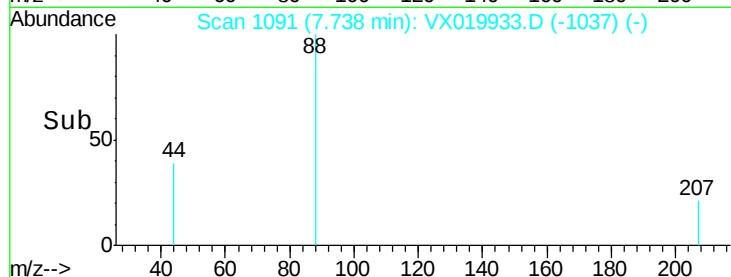
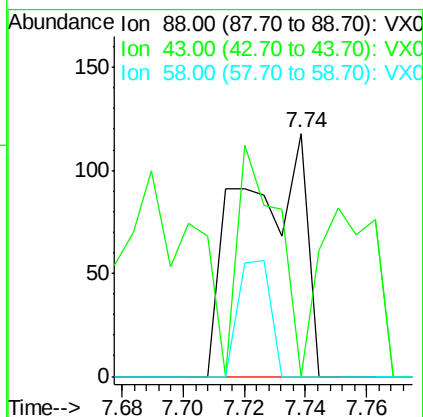
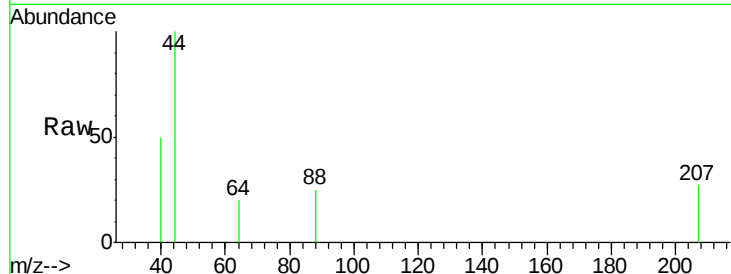




#49
1,4-Dioxane
Concen: 1.836 ug/l
RT: 7.74 min Scan# 1091
Delta R.T. 0.03 min
Lab File: VX019933.D
Acq: 12 Dec 2020 15:38

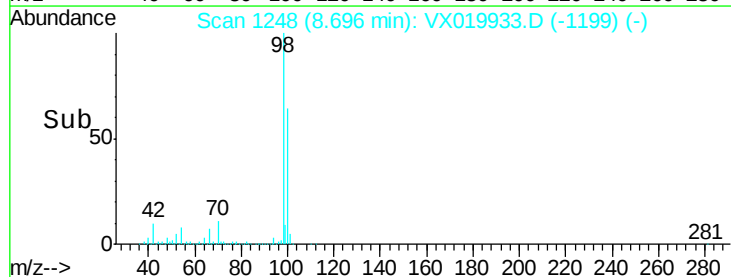
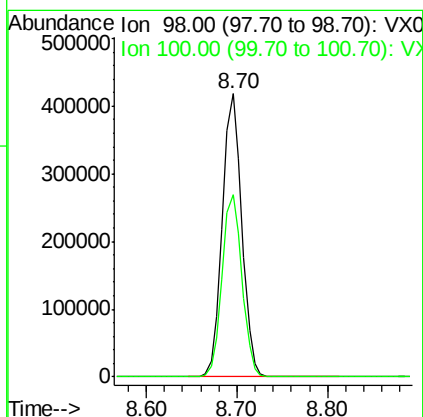
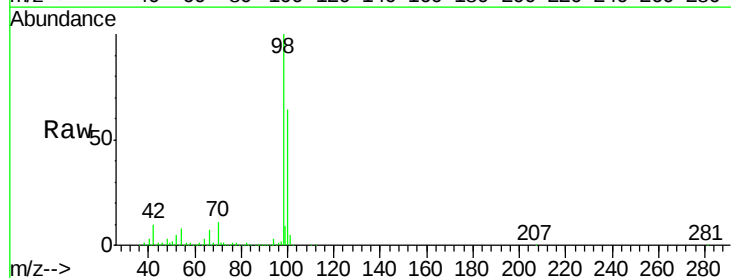
Instrument :
MSVOA_X
ClientSampleId :
RE134D1-20201207

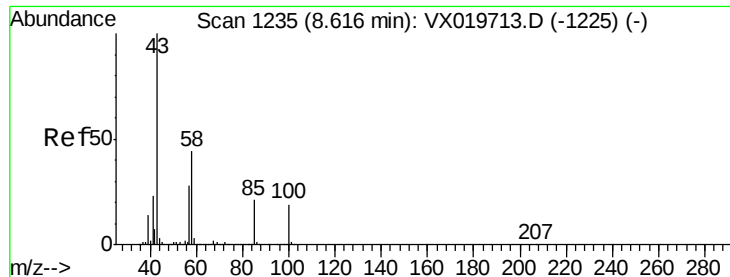
Tgt Ion: 88 Resp: 167
Ion Ratio Lower Upper
88 100
43 62.9 23.2 34.8#
58 0.0 55.0 82.4#



#50
Toluene-d8
Concen: 49.527 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VX019933.D
Acq: 12 Dec 2020 15:38

Tgt Ion: 98 Resp: 628873
Ion Ratio Lower Upper
98 100
100 65.6 51.9 77.9

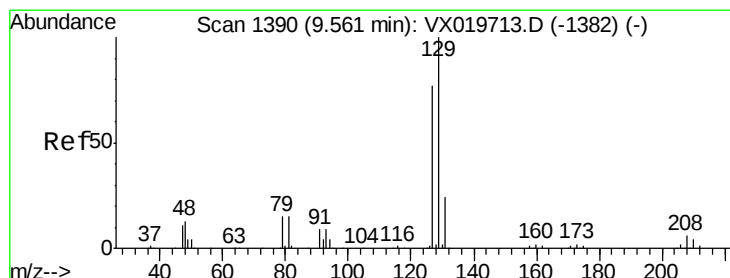
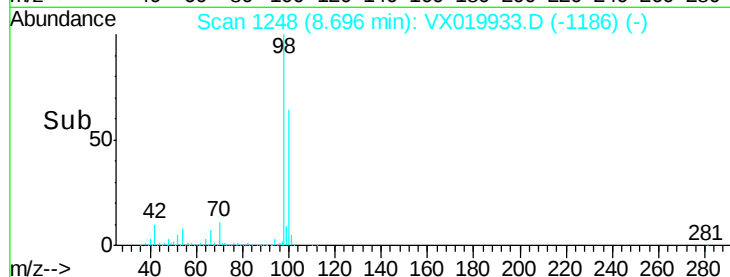
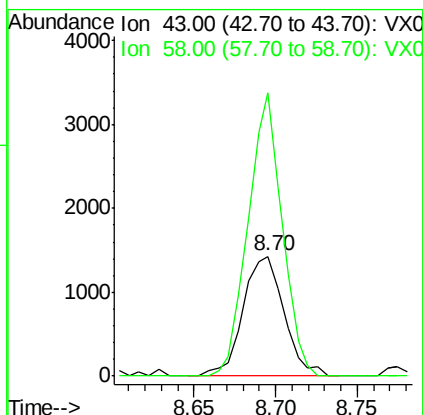
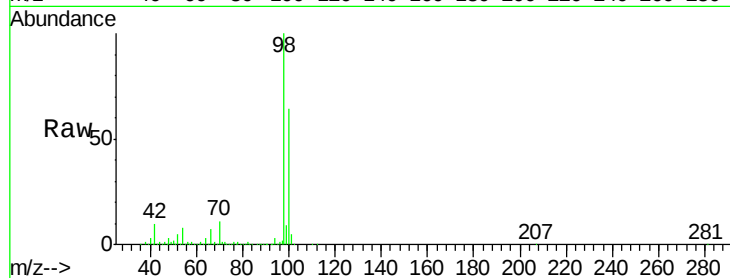




#51
 4-Methyl-2-Pentanone
 Concen: 0.537 ug/l
 RT: 8.70 min Scan# 1248
 Delta R.T. 0.08 min
 Lab File: VX019933.D
 Acq: 12 Dec 2020 15:38

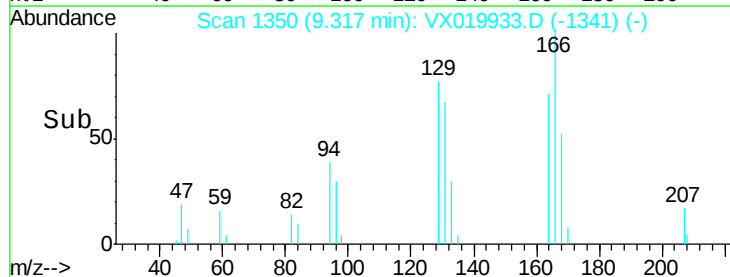
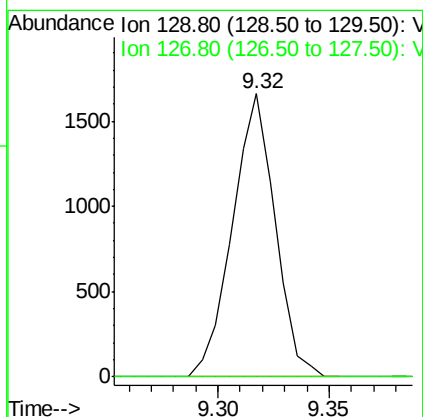
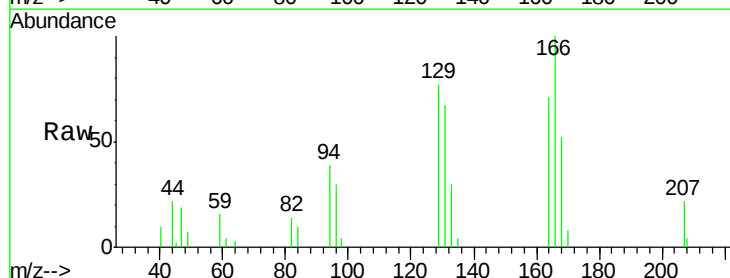
Instrument :
 MSVOA_X
 ClientSampleId :
 RE134D1-20201207

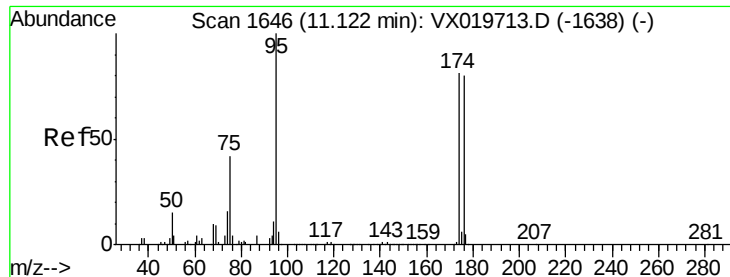
Tgt Ion: 43 Resp: 2501
 Ion Ratio Lower Upper
 43 100
 58 196.6 35.4 53.0#



#60
 Dibromochloromethane
 Concen: 0.609 ug/l
 RT: 9.32 min Scan# 1350
 Delta R.T. -0.24 min
 Lab File: VX019933.D
 Acq: 12 Dec 2020 15:38

Tgt Ion: 129 Resp: 2214
 Ion Ratio Lower Upper
 129 100
 127 0.0 38.4 115.2#





#62

4-Bromofluorobenzene

Concen: 45.188 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX019933.D

Acq: 12 Dec 2020 15:38

Instrument :

MSVOA_X

ClientSampleId :

RE134D1-20201207

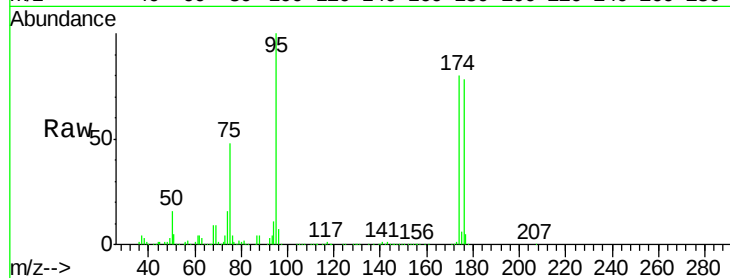
Tgt Ion: 95 Resp: 218388

Ion Ratio Lower Upper

95 100

174 77.6 0.0 154.6

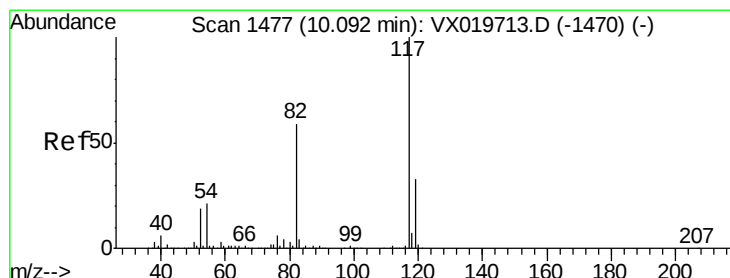
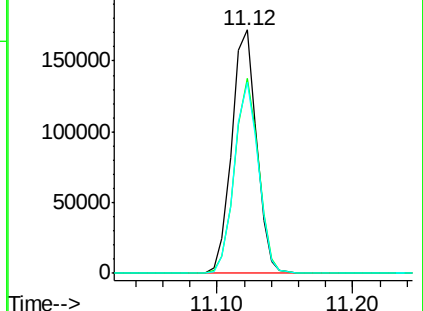
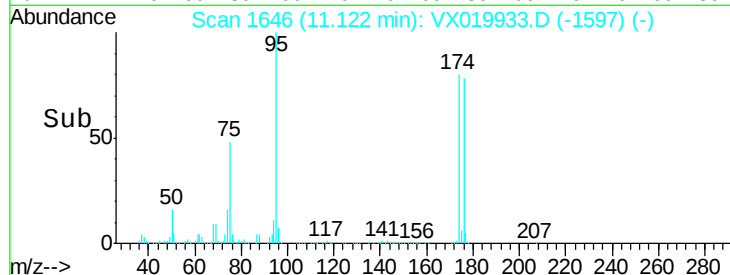
176 76.4 0.0 155.8



Abundance Ion 94.90 (94.60 to 95.60): VX019933.D (-1597) (-)

Ion 173.80 (173.50 to 174.50): VX019933.D (-1597) (-)

Ion 175.80 (175.50 to 176.50): VX019933.D (-1597) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. 0.01 min

Lab File: VX019933.D

Acq: 12 Dec 2020 15:38

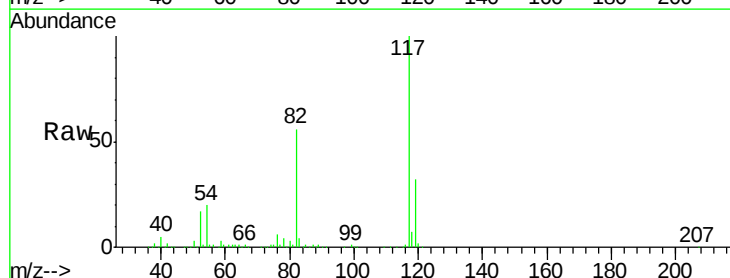
Tgt Ion: 117 Resp: 469575

Ion Ratio Lower Upper

117 100

82 55.6 47.4 71.2

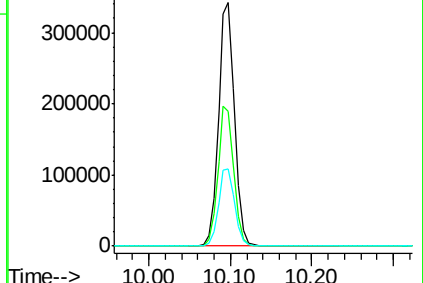
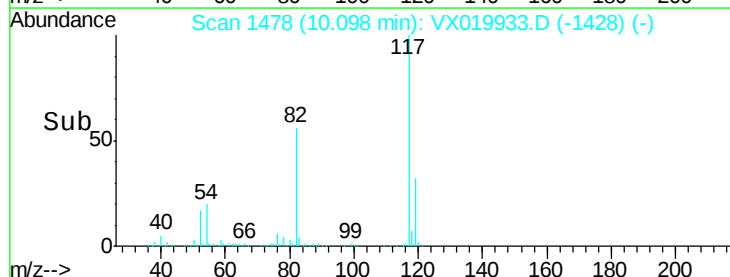
119 31.9 26.6 39.8

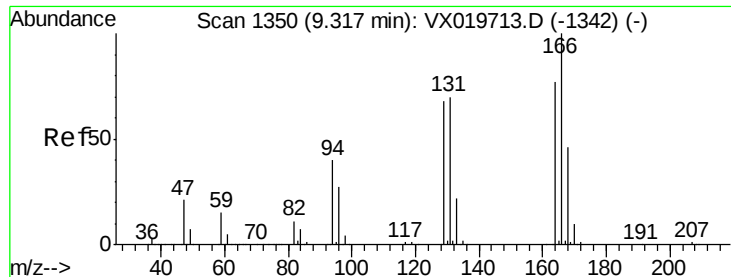


Abundance Ion 116.90 (116.60 to 117.60): VX019933.D (-1428) (-)

Ion 82.00 (81.70 to 82.70): VX019933.D (-1428) (-)

Ion 118.90 (118.60 to 119.60): VX019933.D (-1428) (-)





#64

Tetrachloroethene

Concen: 0.701 ug/l

RT: 9.32 min Scan# 1350

Delta R.T. 0.00 min

Lab File: VX019933.D

Acq: 12 Dec 2020 15:38

Instrument :

MSVOA_X

ClientSampleId :

RE134D1-20201207

Tgt Ion:164 Resp: 2207

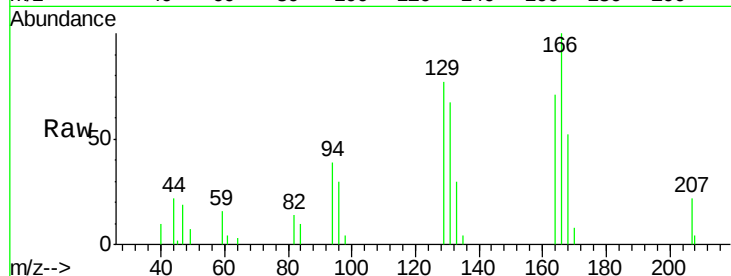
Ion Ratio Lower Upper

164 100

166 141.5 103.4 155.2

129 108.4 70.8 106.2#

131 95.0 72.5 108.7

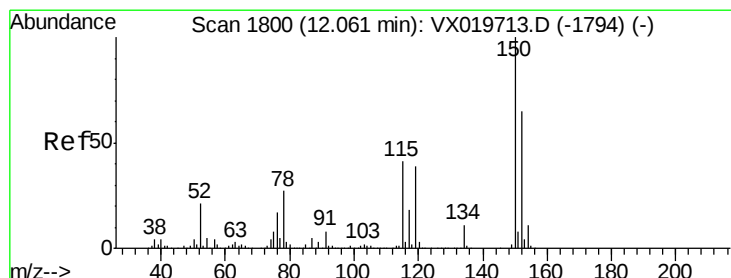
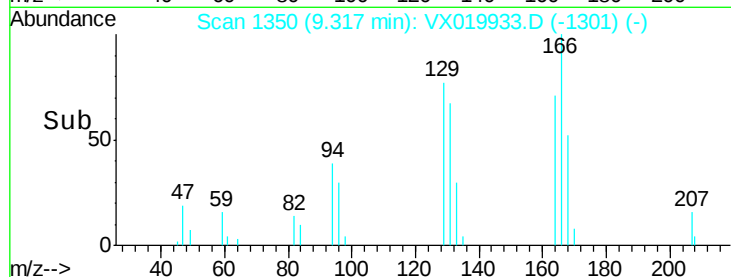
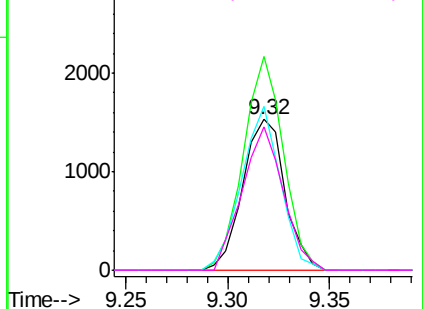


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. 0.00 min

Lab File: VX019933.D

Acq: 12 Dec 2020 15:38

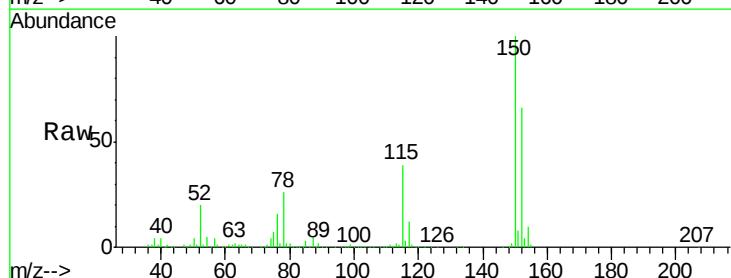
Tgt Ion:152 Resp: 206887

Ion Ratio Lower Upper

152 100

115 58.9 41.1 123.3

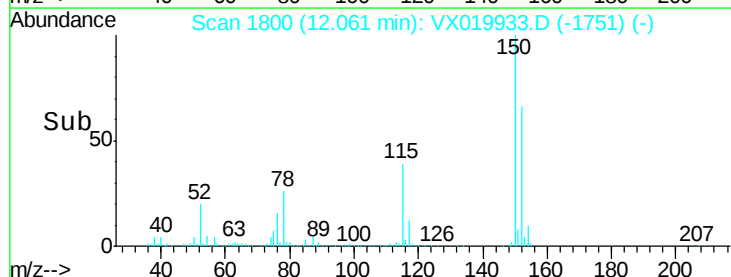
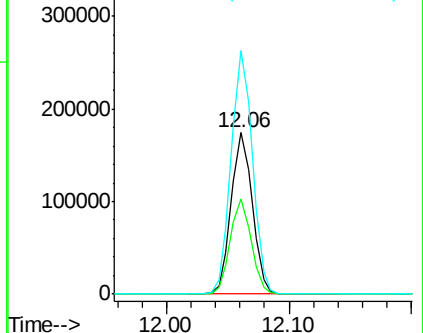
150 152.1 0.0 349.0

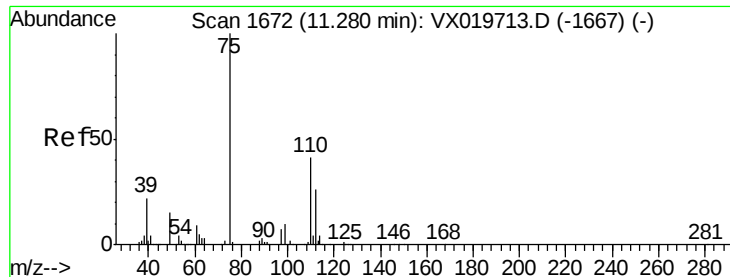


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 22.763 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX019933.D

Acq: 12 Dec 2020 15:38

Instrument :

MSVOA_X

ClientSampleId :

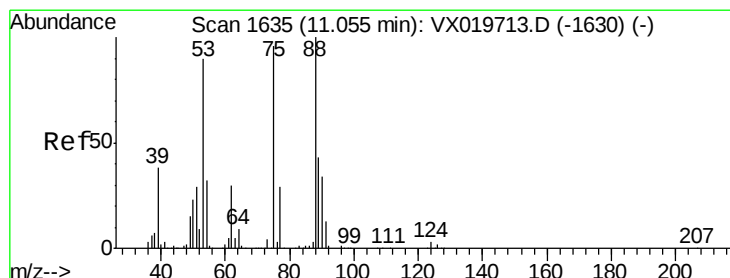
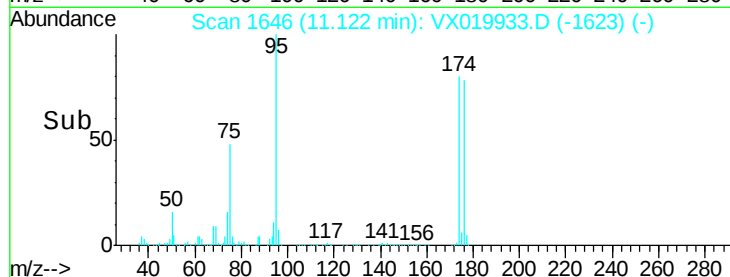
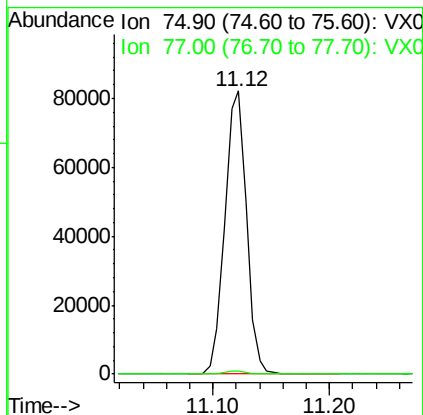
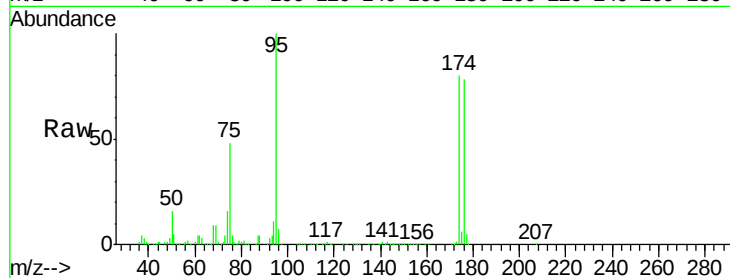
RE134D1-20201207

Tgt Ion: 75 Resp: 105625

Ion Ratio Lower Upper

75 100

77 1.3 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 65.805 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX019933.D

Acq: 12 Dec 2020 15:38

Tgt Ion: 75 Resp: 105625

Ion Ratio Lower Upper

75 100

53 0.1 74.5 111.7#

89 0.0 37.9 56.9#

