

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX121020\
 Data File : VX019834.D
 Acq On : 10 Dec 2020 18:36
 Operator : JC/MD
 Sample : L4996-22
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE135D3-20201208

Quant Time: Dec 11 00:53:14 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	309412	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	516704	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	466521	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	195258	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	197545	48.58	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	97.16%		
35) Dibromofluoromethane	5.46	113	160400	48.03	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	96.06%		
50) Toluene-d8	8.70	98	620919	48.70	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	97.40%		
62) 4-Bromofluorobenzene	11.12	95	211792	43.65	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	87.30%		

Target Compounds

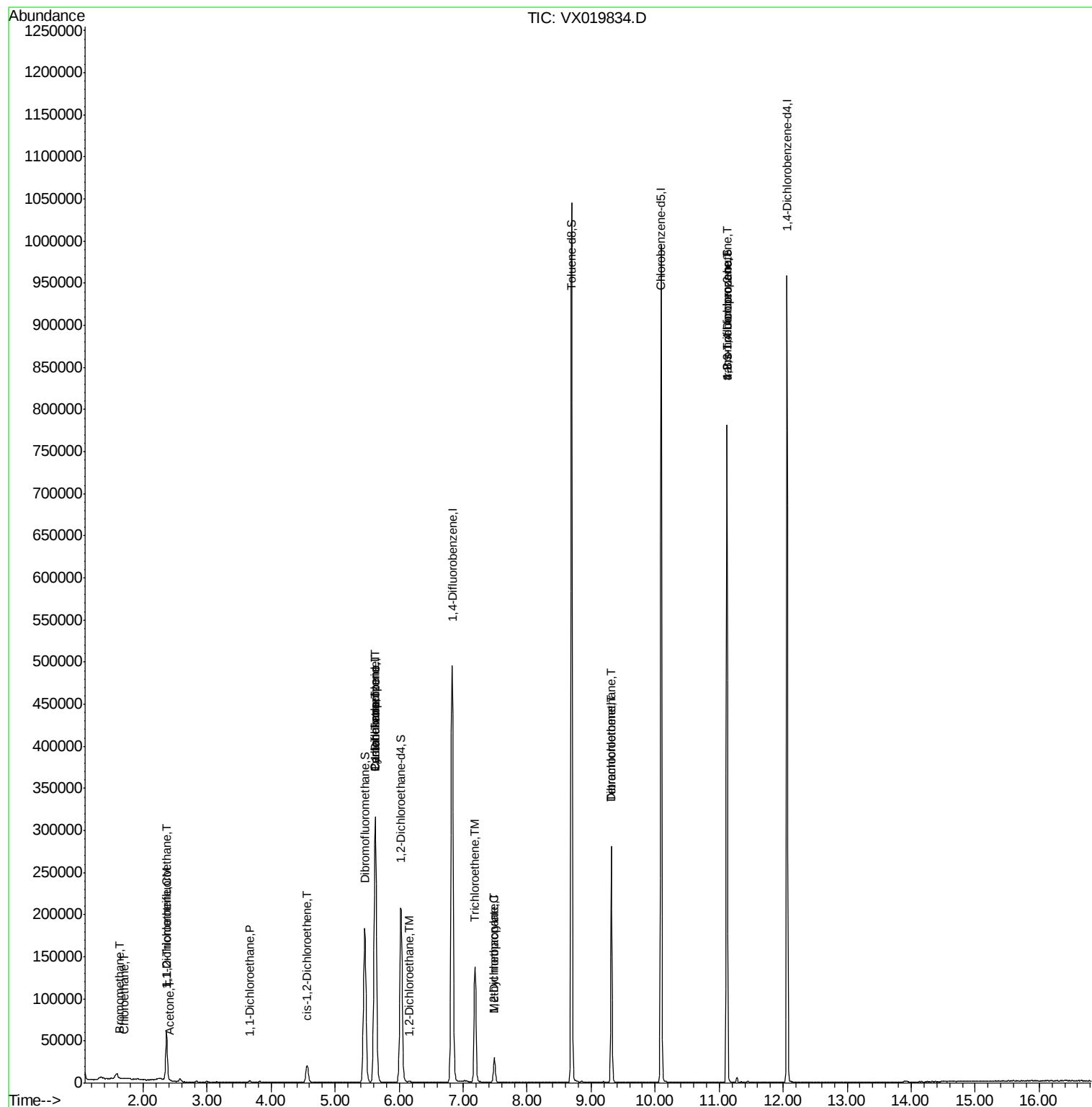
					Qvalue	
5) Bromomethane	1.64	94	554	0.475	ug/l	86
6) Chloroethane	1.70	64	521	0.247	ug/l #	43
9) 1,1,2-Trichlorotrifluoroet	2.37	101	23386	8.340	ug/l	97
11) Tert butyl alcohol	3.00	59	867	Below Cal	#	73
12) 1,1-Dichloroethene	2.36	96	1821	0.642	ug/l	82
16) Acetone	2.42	43	1555	1.017	ug/l	88
20) Methylene Chloride	2.83	84	563	Below Cal	#	89
24) 1,1-Dichloroethane	3.67	63	2289	0.392	ug/l #	92
27) cis-1,2-Dichloroethene	4.56	96	13389	3.462	ug/l	94
31) Cyclohexane	5.62	56	5839	1.154	ug/l #	1
36) 1,1-Dichloropropene	5.62	75	23339	4.999	ug/l #	49
38) Carbon Tetrachloride	5.62	117	30083	6.579	ug/l #	16
42) 1,2-Dichloroethane	6.16	62	1392	0.286	ug/l	93
44) Trichloroethene	7.18	130	53805	14.378	ug/l	99
45) 1,2-Dichloropropane	7.49	63	11877	3.332	ug/l	97
48) Methyl methacrylate	7.48	41	6029	1.599	ug/l #	27
60) Dibromochloromethane	9.32	129	51489	14.098	ug/l #	11
64) Tetrachloroethene	9.32	164	54601	17.452	ug/l	98
76) 1,2,3-Trichloropropane	11.12	75	102337	23.368	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.12	75	102337	67.554	ug/l #	12

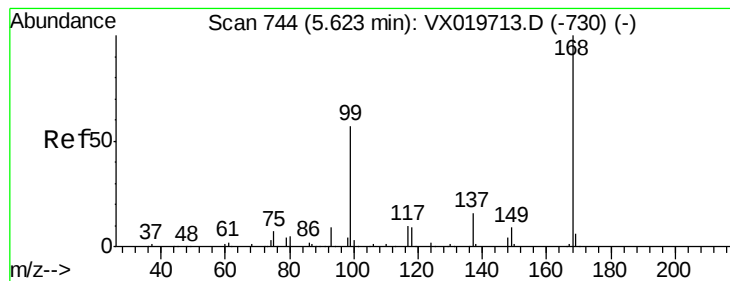
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX019834.D

Acq: 10 Dec 2020 18:36

Instrument :

MSVOA_X

ClientSampleId :

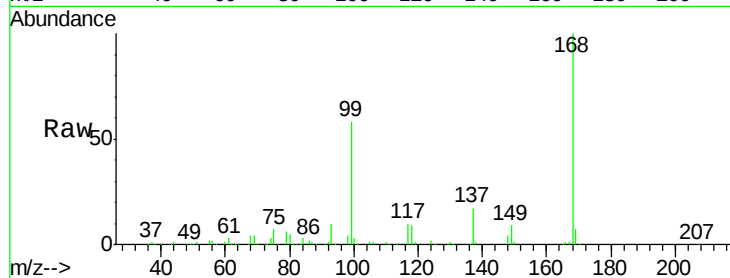
RE135D3-20201208

Tgt Ion: 168 Resp: 309412

Ion Ratio Lower Upper

168 100

99 58.0 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

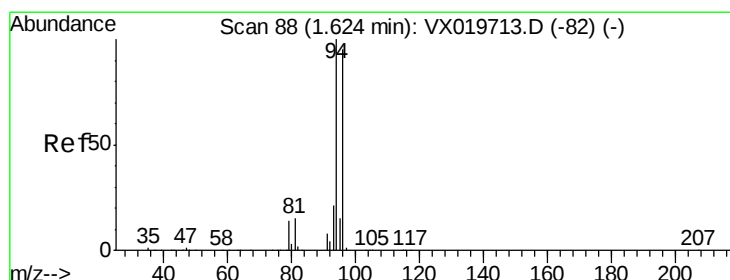
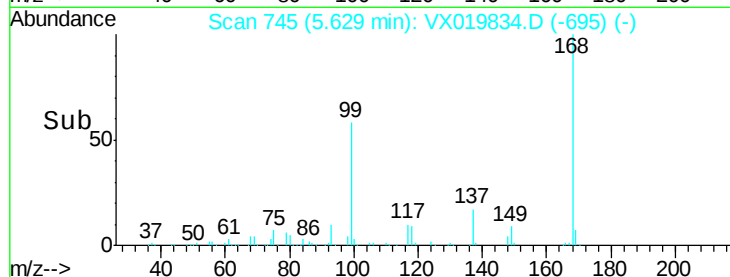
60000

40000

20000

0

Time-->



#5

Bromomethane

Concen: 0.475 ug/l

RT: 1.64 min Scan# 90

Delta R.T. 0.01 min

Lab File: VX019834.D

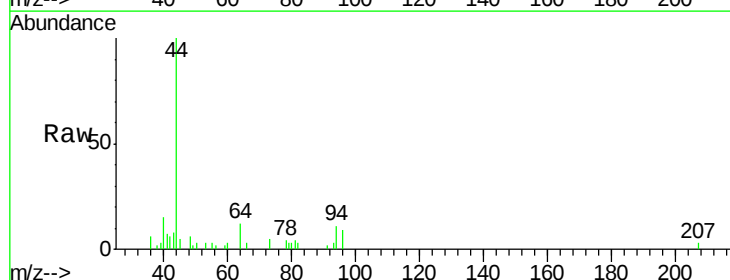
Acq: 10 Dec 2020 18:36

Tgt Ion: 94 Resp: 554

Ion Ratio Lower Upper

94 100

96 82.2 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

250

200

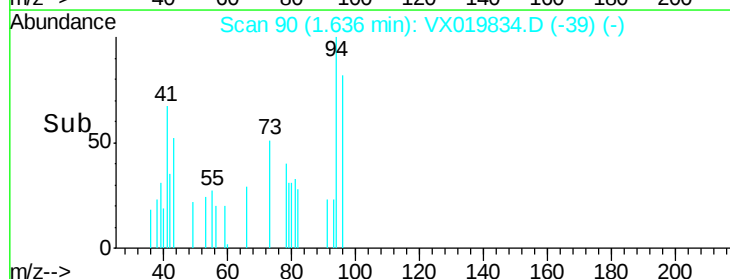
150

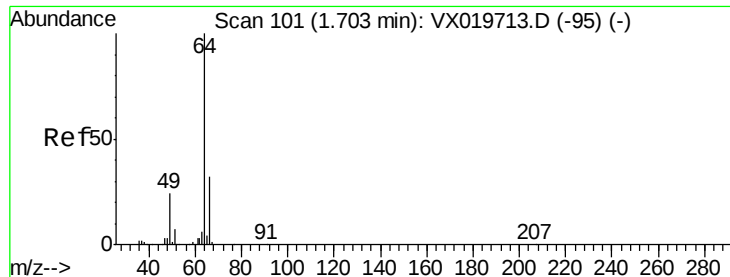
100

50

0

Time-->





#6

Chloroethane

Concen: 0.247 ug/l

RT: 1.70 min Scan# 101

Delta R.T. 0.00 min

Lab File: VX019834.D

Acq: 10 Dec 2020 18:36

Instrument :

MSVOA_X

ClientSampleId :

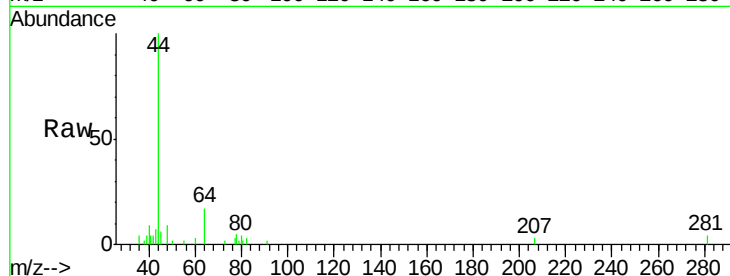
RE135D3-20201208

Tgt Ion: 64 Resp: 521

Ion Ratio Lower Upper

64 100

66 0.0 25.4 38.0#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.70

400

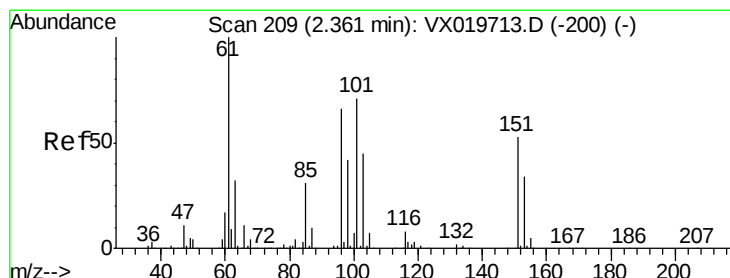
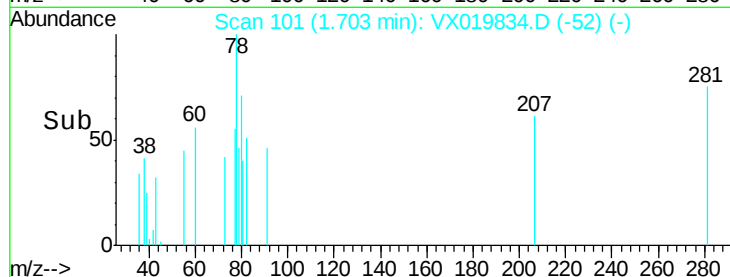
300

200

100

0

Time-->



#9

1,1,2-Trichlorotrifluoroethane

Concen: 8.340 ug/l

RT: 2.37 min Scan# 210

Delta R.T. 0.01 min

Lab File: VX019834.D

Acq: 10 Dec 2020 18:36

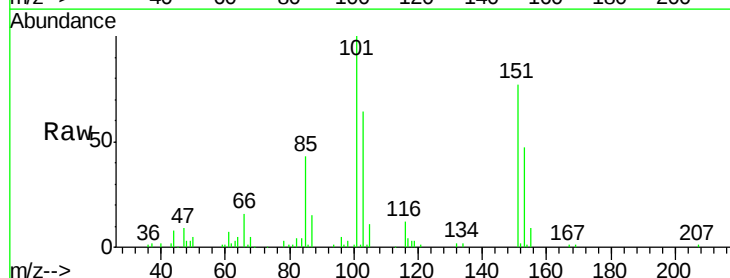
Tgt Ion: 101 Resp: 23386

Ion Ratio Lower Upper

101 100

85 42.4 34.9 52.3

151 74.2 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

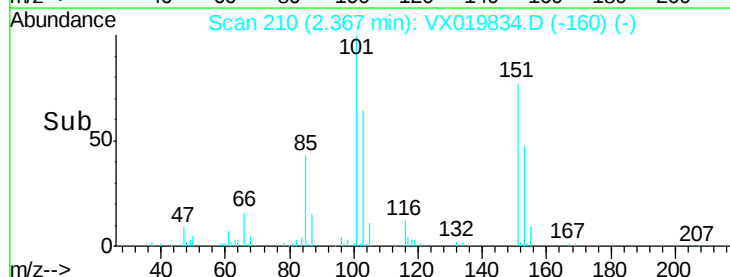
15000

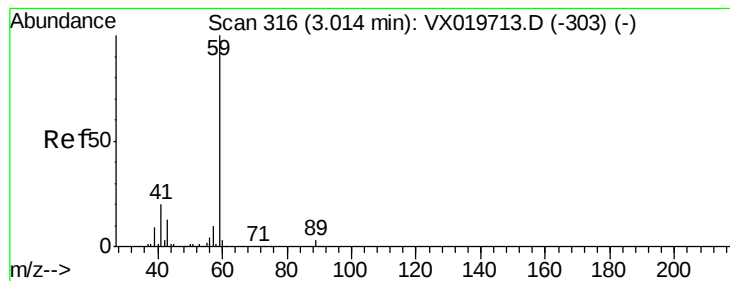
10000

5000

0

Time-->



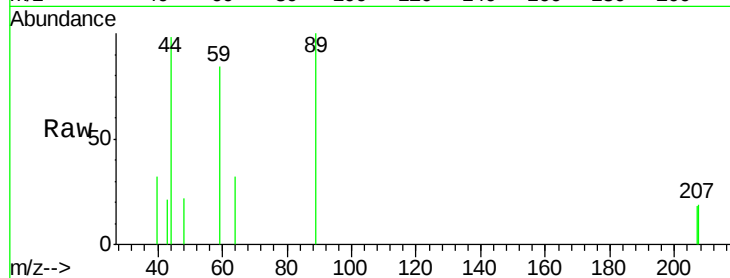


#11

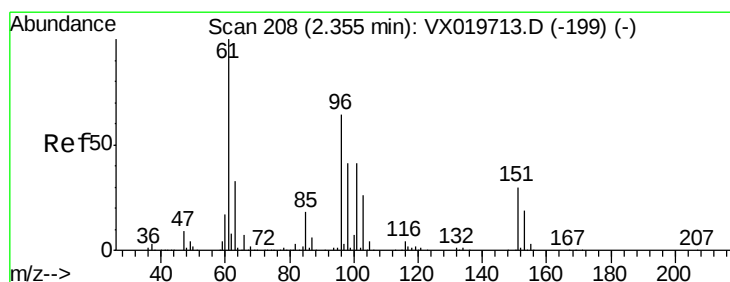
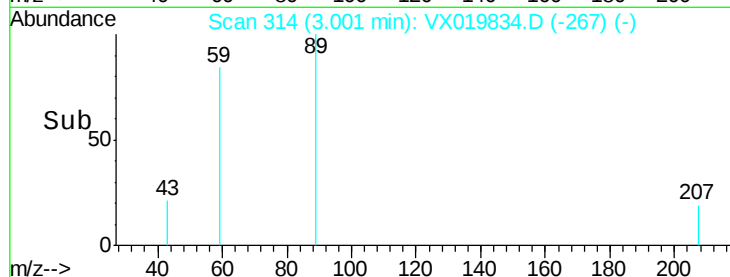
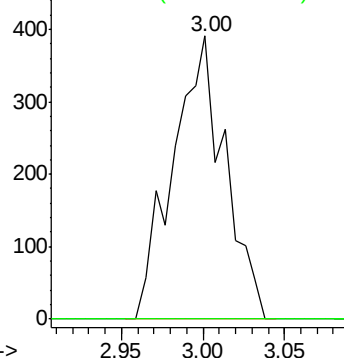
Tert butyl alcohol
Concen: Below Cal
RT: 3.00 min Scan# 314
Delta R.T. -0.01 min
Lab File: VX019834.D
Acq: 10 Dec 2020 18:36

Instrument :
MSVOA_X
ClientSampleId :
RE135D3-20201208

Tgt Ion: 59 Resp: 867
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



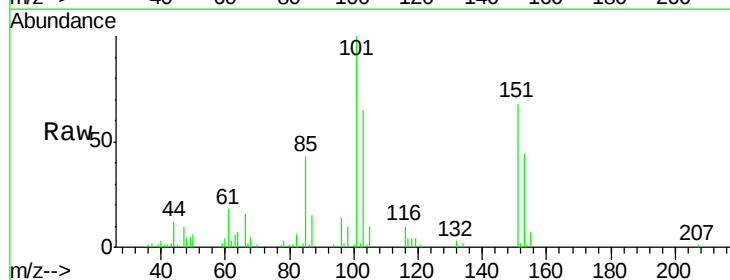
Abundance Ion 59.00 (58.70 to 59.70): VX0
Ion 57.00 (56.70 to 57.70): VX0



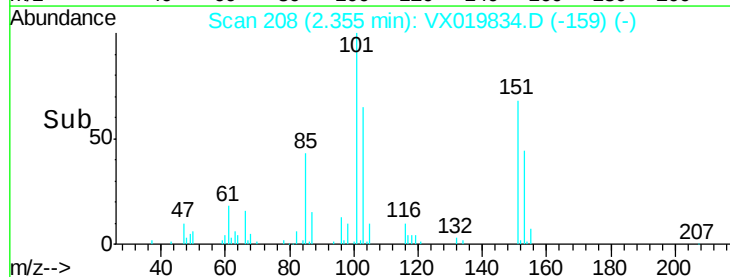
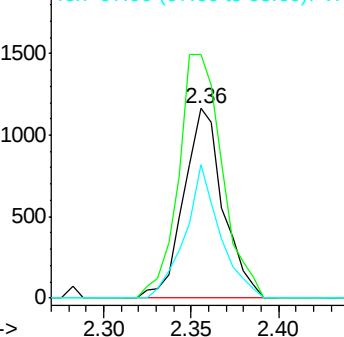
#12

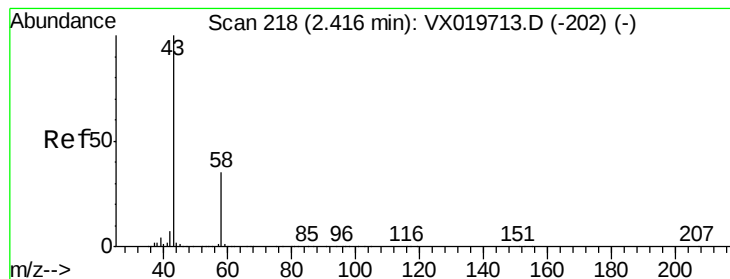
1,1-Dichloroethene
Concen: 0.642 ug/l
RT: 2.36 min Scan# 208
Delta R.T. 0.00 min
Lab File: VX019834.D
Acq: 10 Dec 2020 18:36

Tgt Ion: 96 Resp: 1821
Ion Ratio Lower Upper
96 100
61 128.6 124.6 187.0
98 70.8 50.6 76.0



Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0





#16

Acetone

Concen: 1.017 ug/l

RT: 2.42 min Scan# 218

Delta R.T. 0.00 min

Lab File: VX019834.D

Acq: 10 Dec 2020 18:36

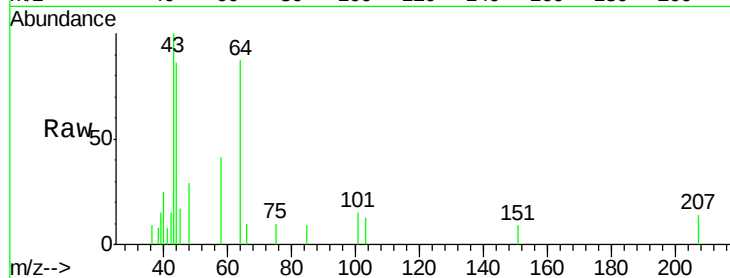
Instrument :
MSVOA_X
ClientSampleId :
RE135D3-20201208

Tgt Ion: 43 Resp: 1555

Ion Ratio Lower Upper

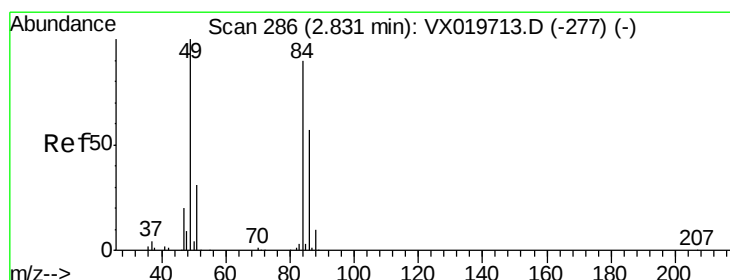
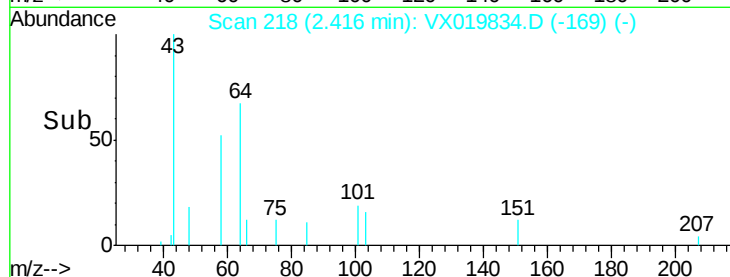
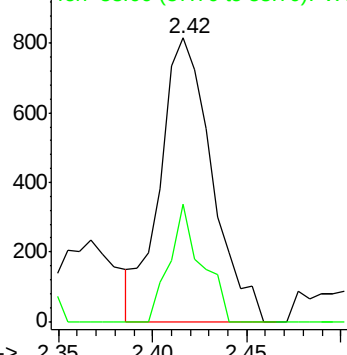
43 100

58 41.5 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: VX019834.D

Acq: 10 Dec 2020 18:36

Tgt Ion: 84 Resp: 563

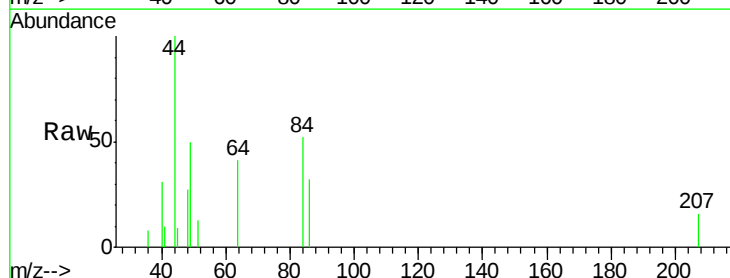
Ion Ratio Lower Upper

84 100

49 94.7 88.6 132.8

51 25.4 27.0 40.6#

86 60.4 50.3 75.5

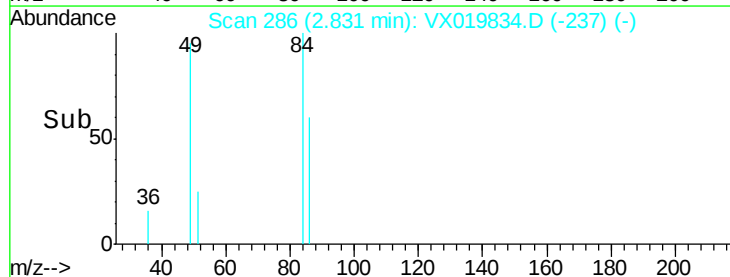
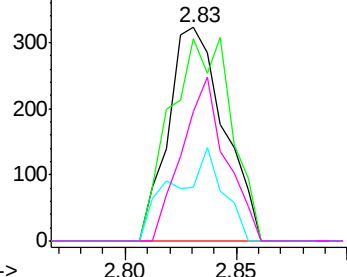


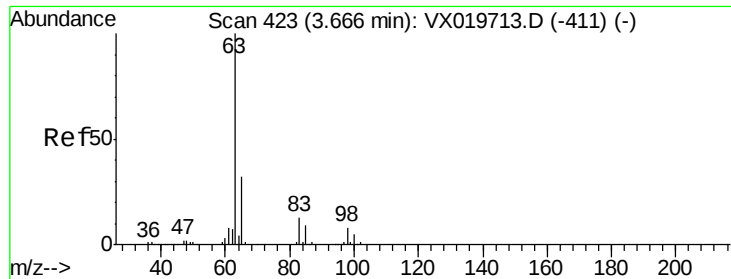
Abundance Ion 83.90 (83.60 to 84.60): VX0

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





#24

1,1-Dichloroethane

Concen: 0.392 ug/l

RT: 3.67 min Scan# 423

Delta R.T. 0.00 min

Lab File: VX019834.D

Acq: 10 Dec 2020 18:36

Instrument :

MSVOA_X

ClientSampleId :

RE135D3-20201208

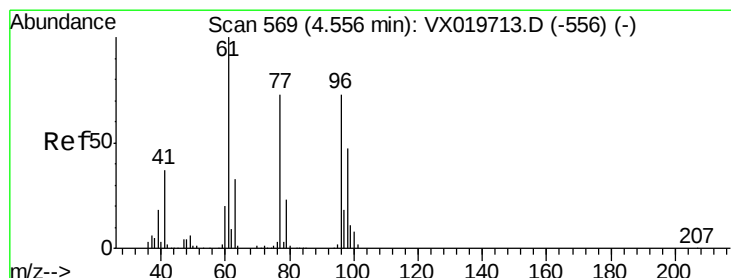
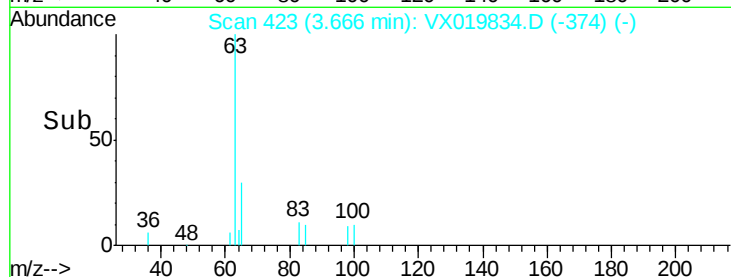
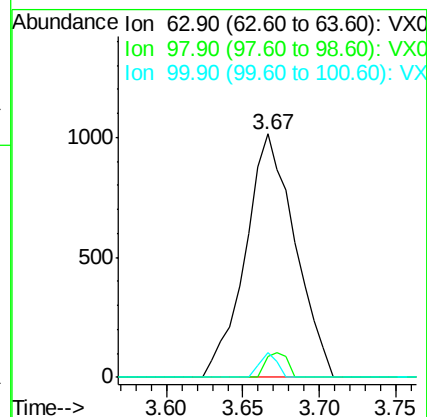
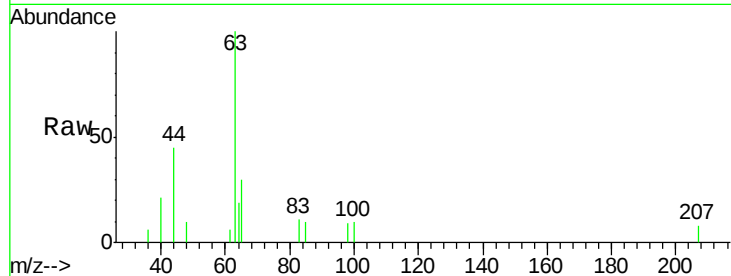
Tgt Ion: 63 Resp: 2289

Ion Ratio Lower Upper

63 100

98 8.6 3.8 11.2

100 10.2 2.5 7.5#



#27

cis-1,2-Dichloroethene

Concen: 3.462 ug/l

RT: 4.56 min Scan# 570

Delta R.T. 0.01 min

Lab File: VX019834.D

Acq: 10 Dec 2020 18:36

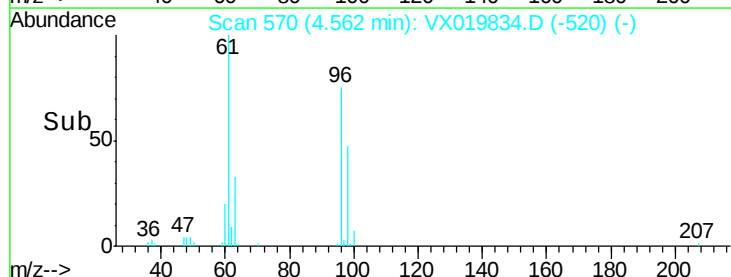
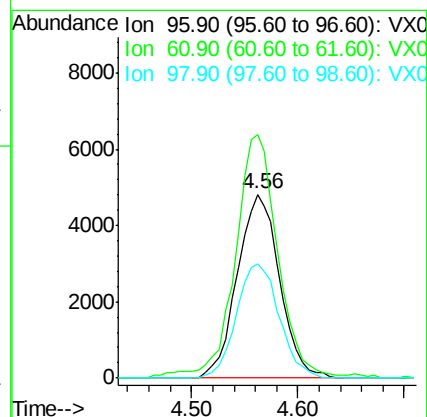
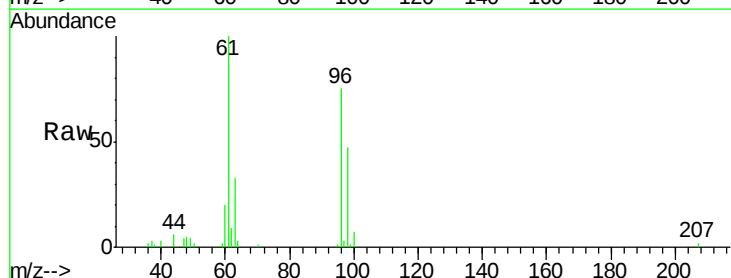
Tgt Ion: 96 Resp: 13389

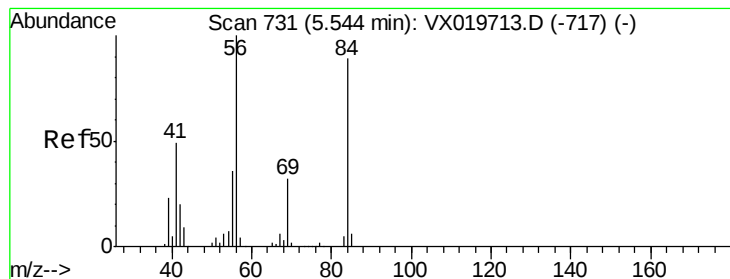
Ion Ratio Lower Upper

96 100

61 134.0 0.0 285.6

98 62.7 0.0 129.6





#31

Cyclohexane

Concen: 1.154 ug/l

RT: 5.62 min Scan# 744

Delta R.T. 0.08 min

Lab File: VX019834.D

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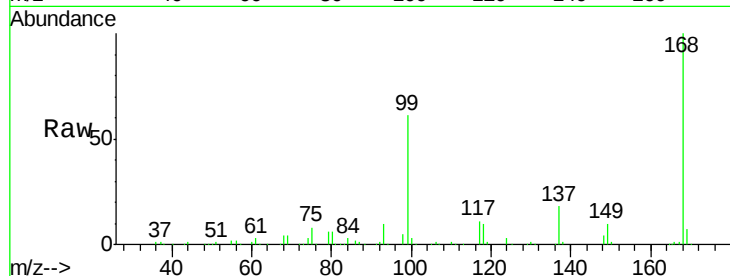
Tgt Ion: 56 Resp: 5839

Ion Ratio Lower Upper

56 100

69 176.2 25.3 37.9#

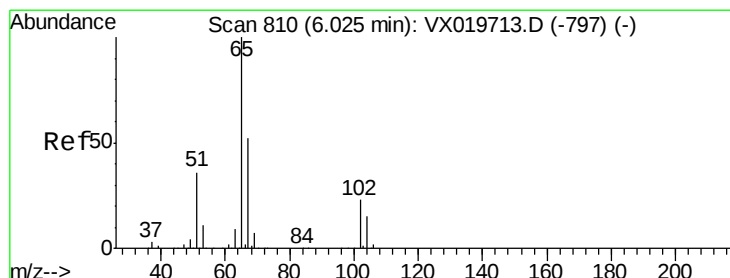
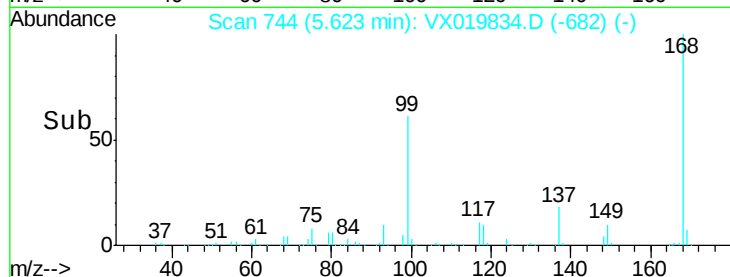
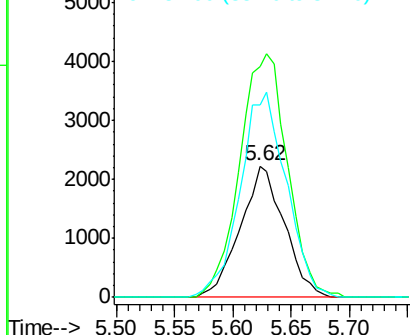
84 147.4 71.4 107.0#



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: 48.578 ug/l

RT: 6.03 min Scan# 810

Delta R.T. 0.00 min

Lab File: VX019834.D

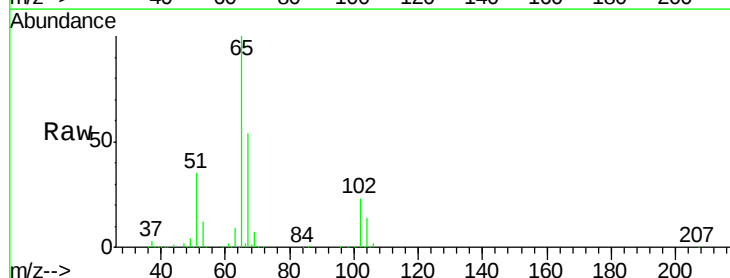
Acq: 10 Dec 2020 18:36

Tgt Ion: 65 Resp: 197545

Ion Ratio Lower Upper

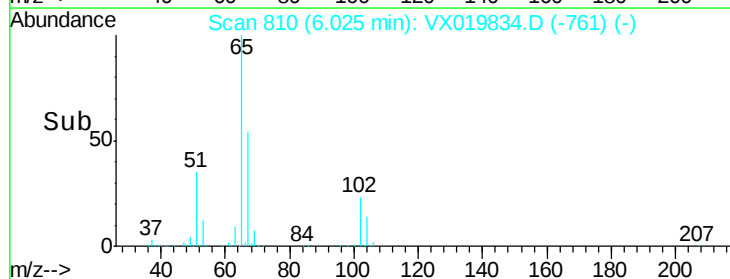
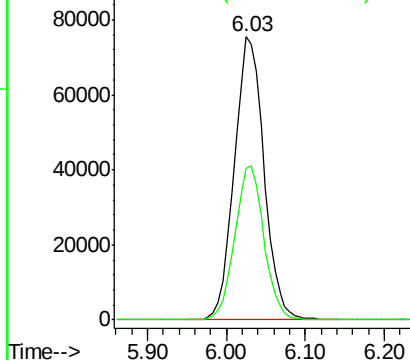
65 100

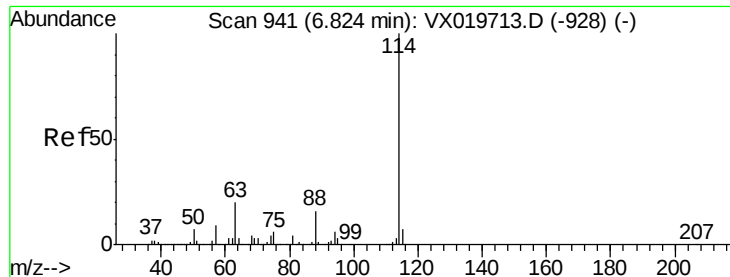
67 53.4 0.0 105.4



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: VX019834.D

Acq: 10 Dec 2020 18:36

Instrument :

MSVOA_X

ClientSampleId :

RE135D3-20201208

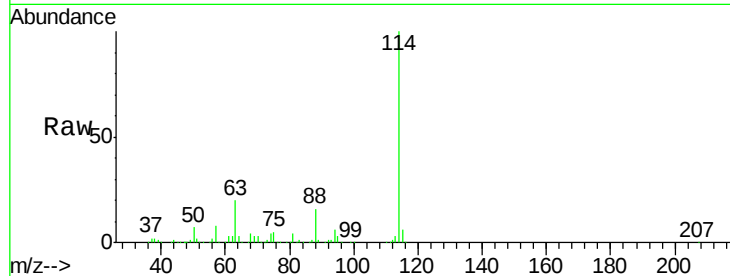
Tgt Ion:114 Resp: 516704

Ion Ratio Lower Upper

114 100

63 20.2 0.0 40.8

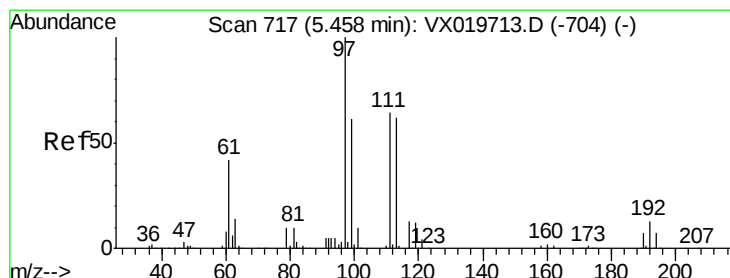
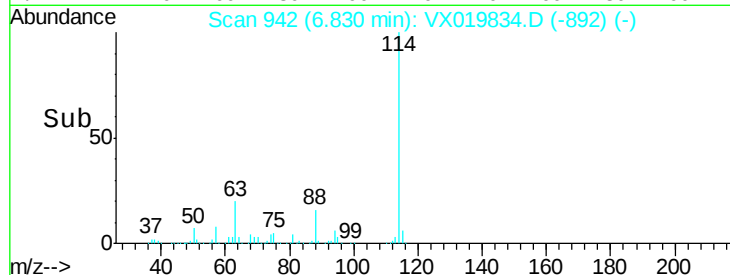
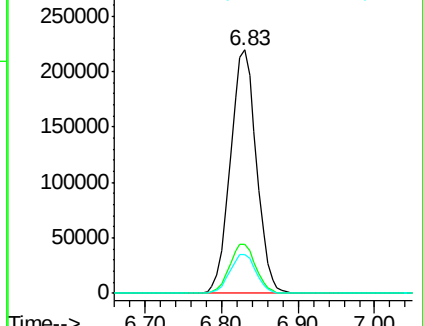
88 16.2 0.0 32.8



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: 48.033 ug/l

RT: 5.46 min Scan# 718

Delta R.T. 0.01 min

Lab File: VX019834.D

Acq: 10 Dec 2020 18:36

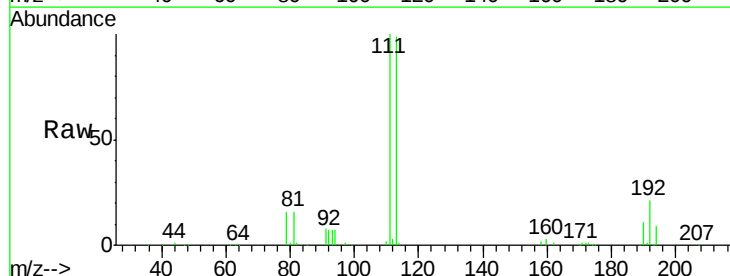
Tgt Ion:113 Resp: 160400

Ion Ratio Lower Upper

113 100

111 101.8 81.9 122.9

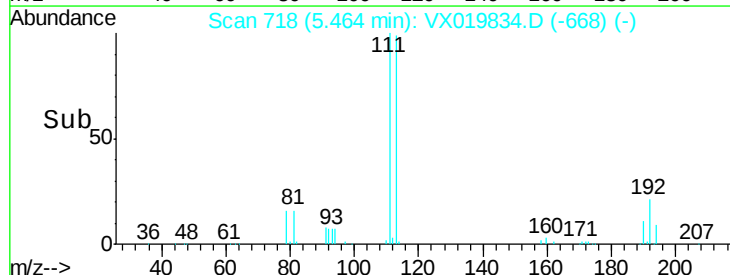
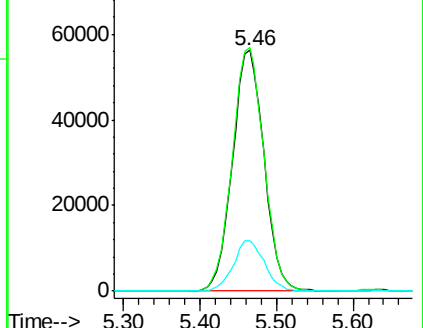
192 20.8 16.7 25.1

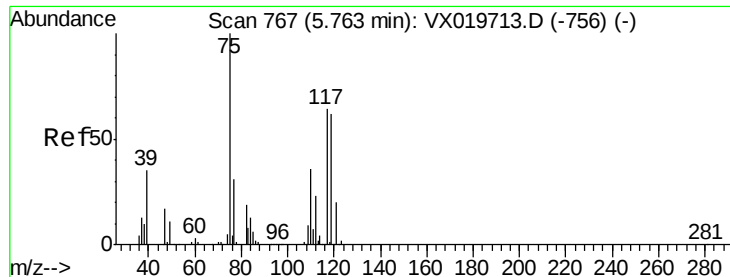


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

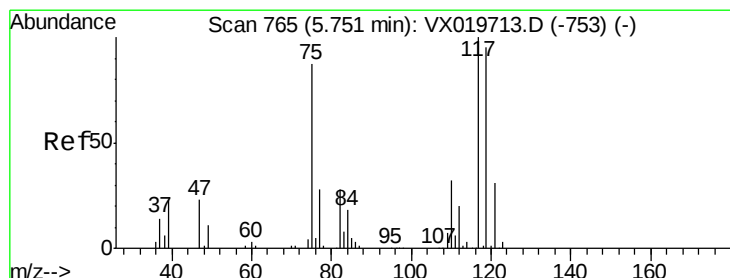
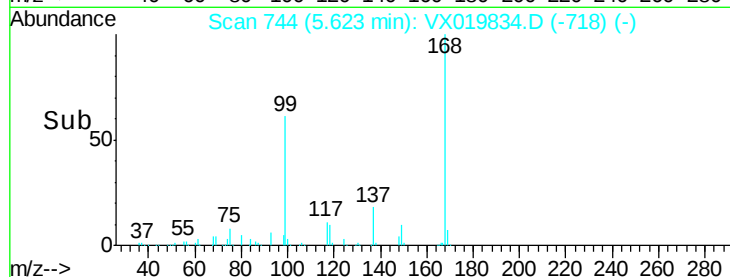
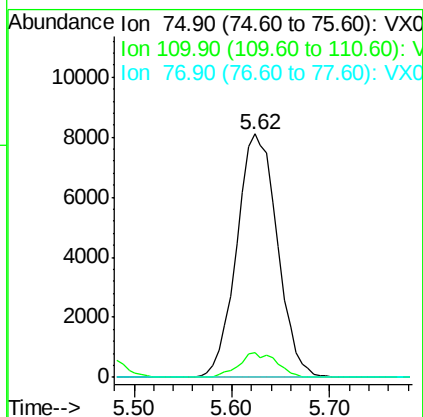
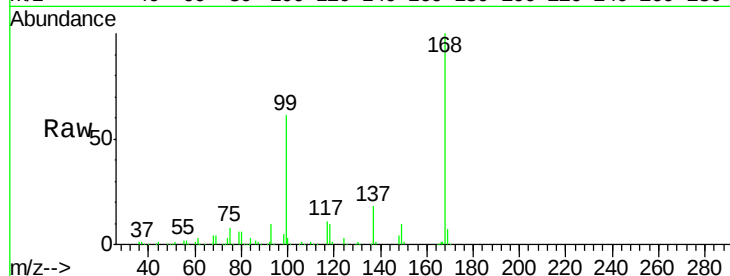




#36
 1,1-Dichloropropene
 Concen: 4.999 ug/l
 RT: 5.62 min Scan# 744
 Delta R.T. -0.14 min
 Lab File: VX019834.D
 Acq: 10 Dec 2020 18:36

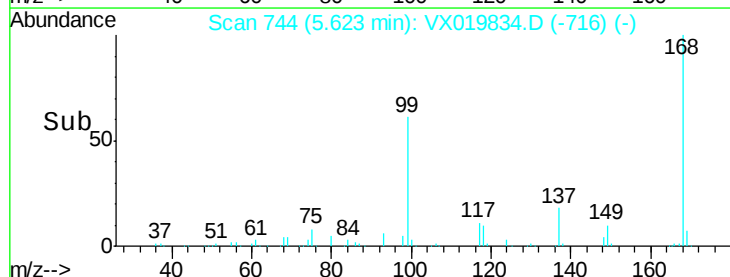
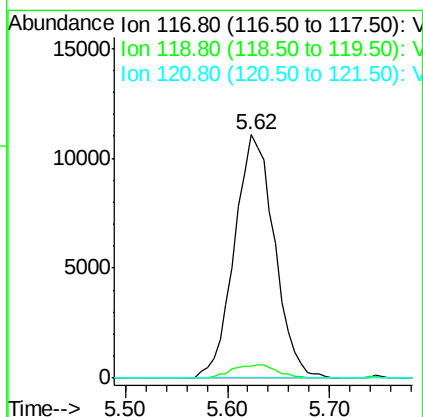
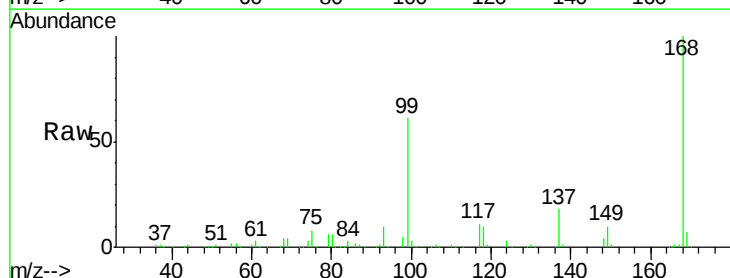
Instrument :
 MSVOA_X
 ClientSampleId :
 RE135D3-20201208

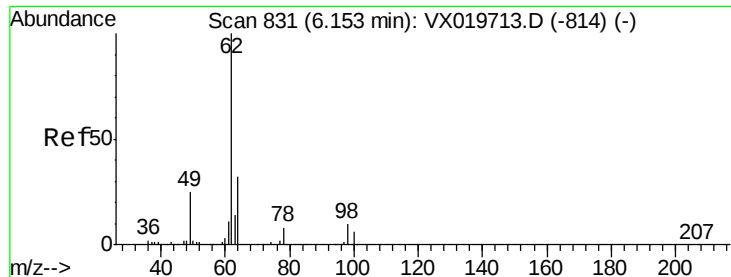
Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.4	18.1	54.4#
77	0.0	25.3	37.9#



#38
 Carbon Tetrachloride
 Concen: 6.579 ug/l
 RT: 5.62 min Scan# 744
 Delta R.T. -0.13 min
 Lab File: VX019834.D
 Acq: 10 Dec 2020 18:36

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.1	76.2	114.2#
121	0.0	24.8	37.2#

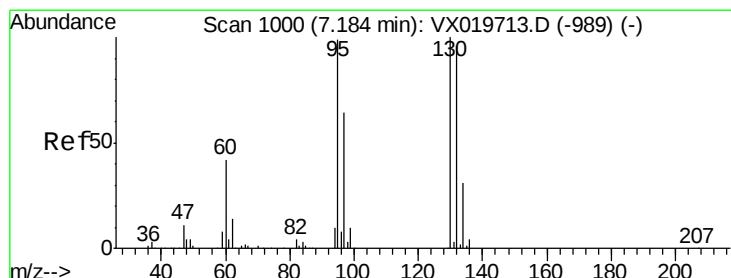
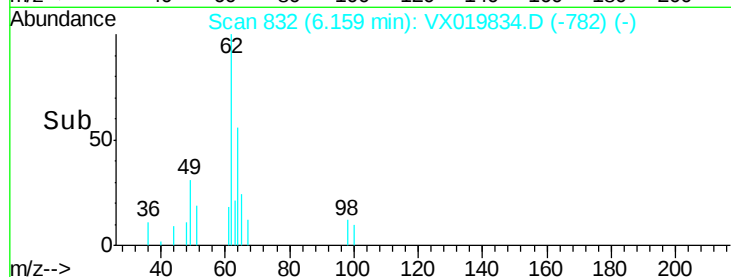
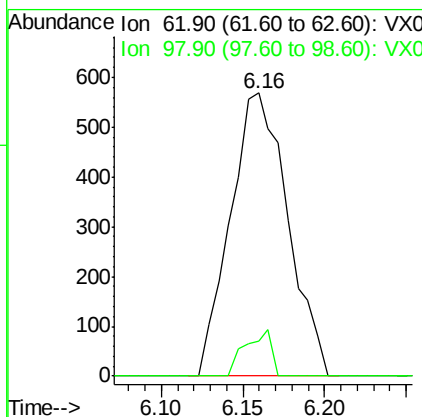
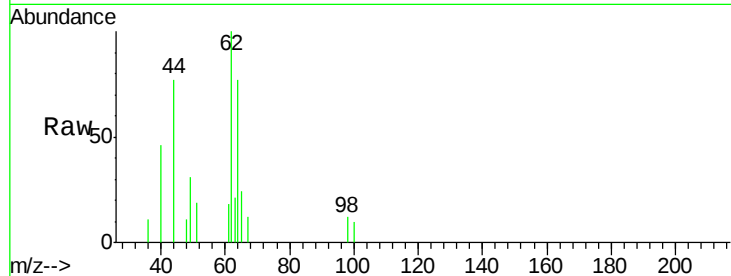




#42
1,2-Dichloroethane
Concen: 0.286 ug/l
RT: 6.16 min Scan# 832
Delta R.T. 0.01 min
Lab File: VX019834.D
Acq: 10 Dec 2020 18:36

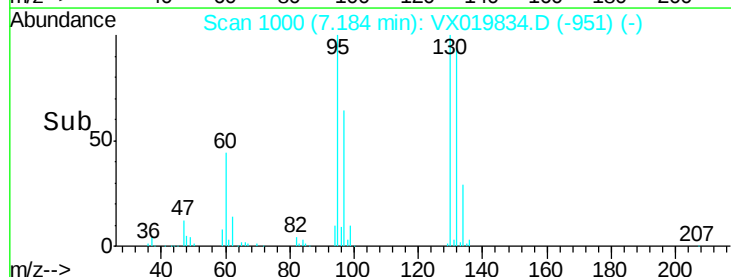
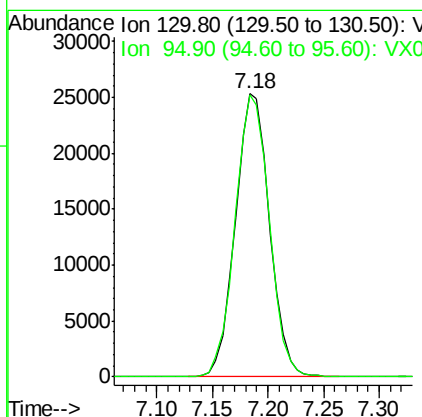
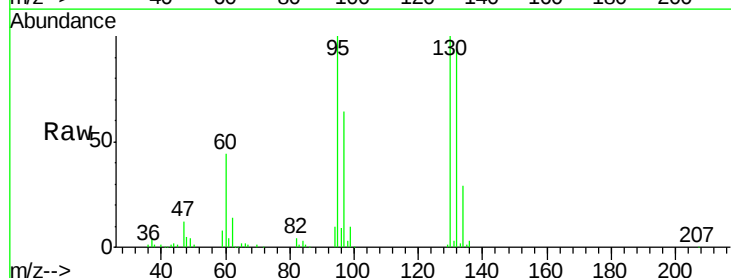
Instrument :
MSVOA_X
ClientSampleId :
RE135D3-20201208

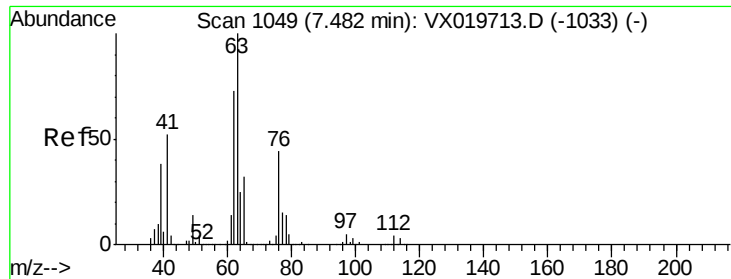
Tgt Ion: 62 Resp: 1392
Ion Ratio Lower Upper
62 100
98 7.5 0.0 20.2



#44
Trichloroethene
Concen: 14.378 ug/l
RT: 7.18 min Scan# 1000
Delta R.T. 0.00 min
Lab File: VX019834.D
Acq: 10 Dec 2020 18:36

Tgt Ion: 130 Resp: 53805
Ion Ratio Lower Upper
130 100
95 99.7 0.0 198.0

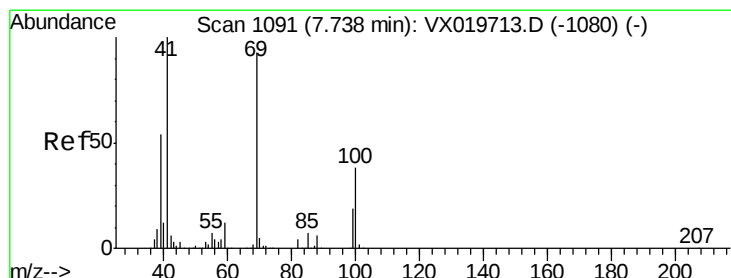
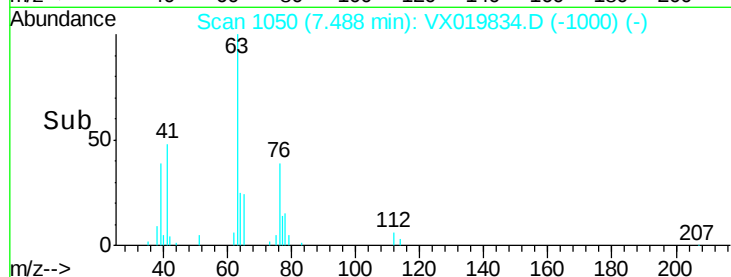
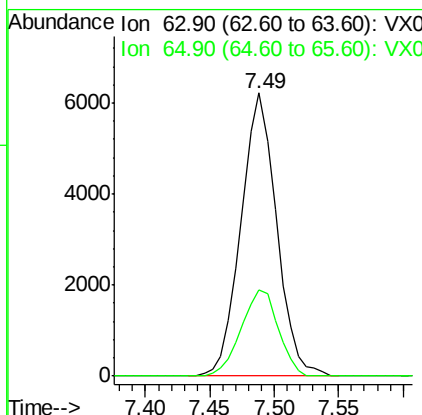
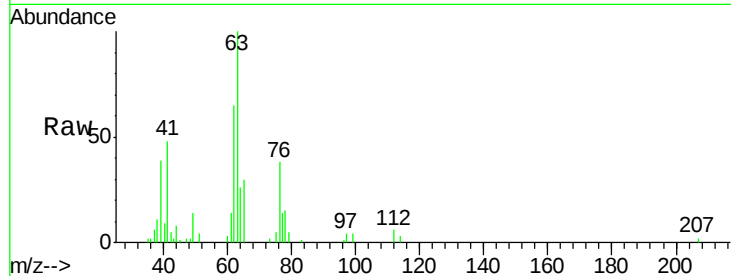




#45
 1,2-Dichloropropane
 Concen: 3.332 ug/l
 RT: 7.49 min Scan# 1050
 Delta R.T. 0.01 min
 Lab File: VX019834.D
 Acq: 10 Dec 2020 18:36

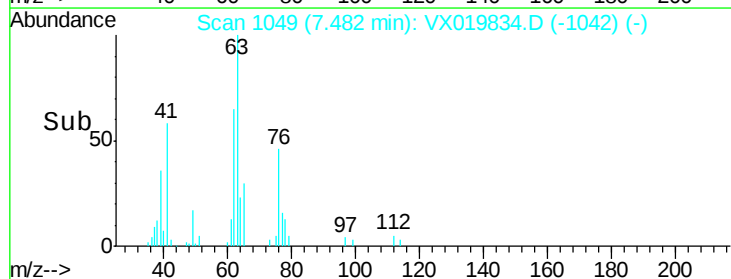
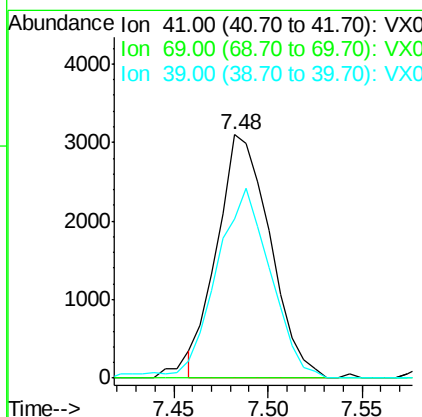
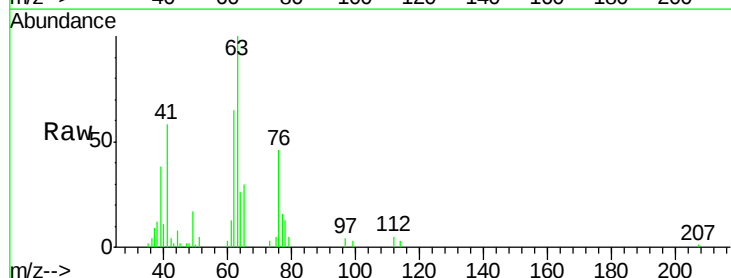
Instrument :
 MSVOA_X
 ClientSampleId :
 RE135D3-20201208

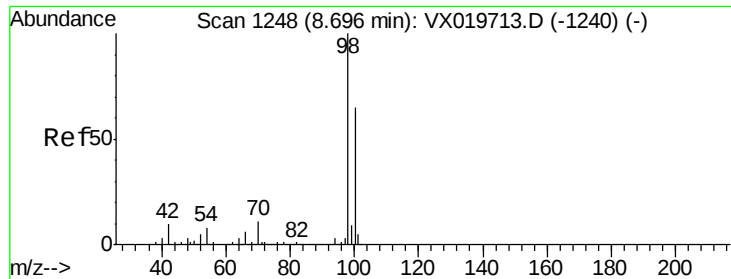
Tgt Ion: 63 Resp: 11877
 Ion Ratio Lower Upper
 63 100
 65 30.4 25.7 38.5



#48
 Methyl methacrylate
 Concen: 1.599 ug/l
 RT: 7.48 min Scan# 1049
 Delta R.T. -0.26 min
 Lab File: VX019834.D
 Acq: 10 Dec 2020 18:36

Tgt Ion: 41 Resp: 6029
 Ion Ratio Lower Upper
 41 100
 69 0.0 76.0 114.0#
 39 77.5 44.6 67.0#

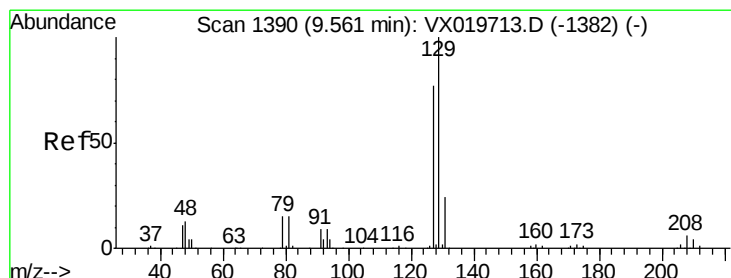
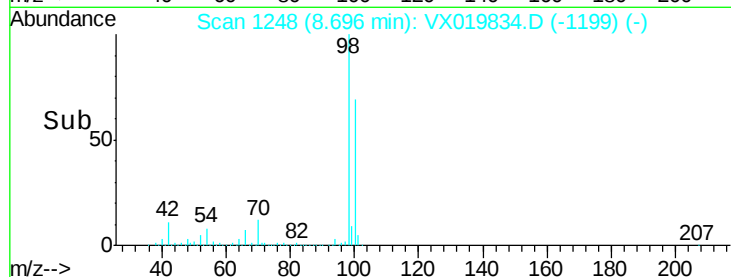
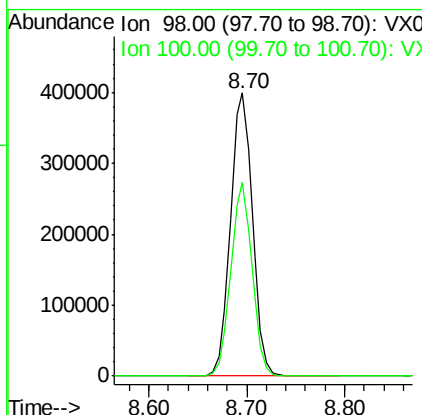
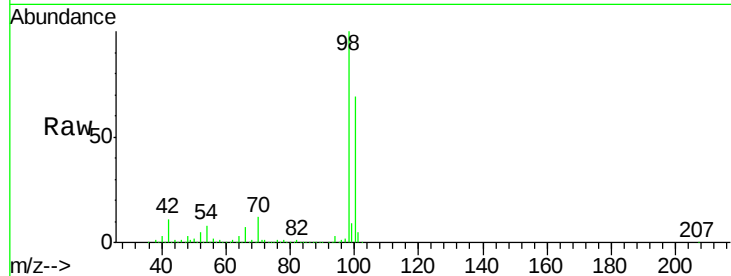




#50
Toluene-d8
Concen: 48.704 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VX019834.D
Acq: 10 Dec 2020 18:36

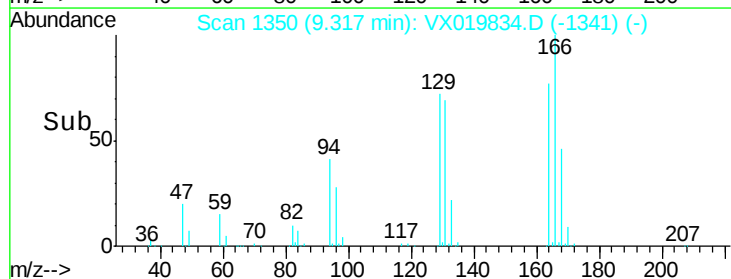
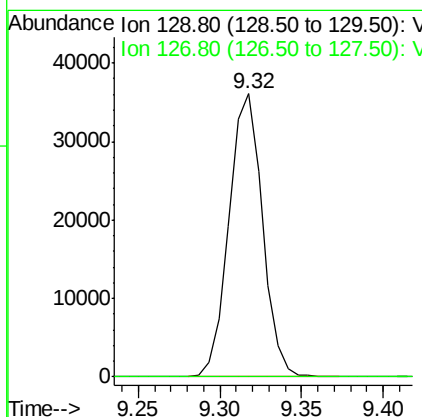
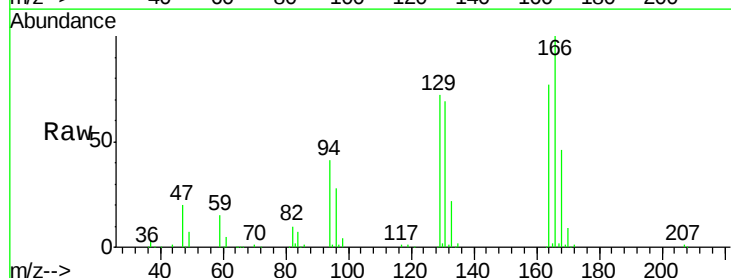
Instrument :
MSVOA_X
ClientSampleId :
RE135D3-20201208

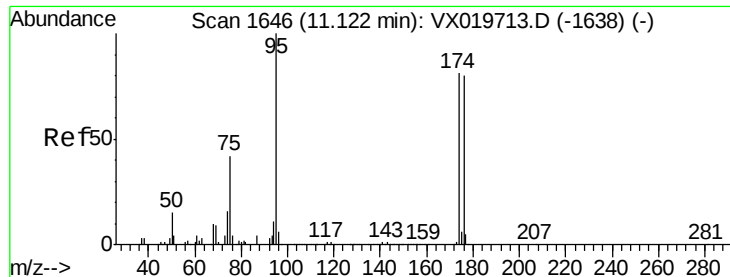
Tgt Ion: 98 Resp: 620919
Ion Ratio Lower Upper
98 100
100 66.2 51.9 77.9



#60
Dibromochloromethane
Concen: 14.098 ug/l
RT: 9.32 min Scan# 1350
Delta R.T. -0.24 min
Lab File: VX019834.D
Acq: 10 Dec 2020 18:36

Tgt Ion: 129 Resp: 51489
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#





#62

4-Bromofluorobenzene

Concen: 43.647 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX019834.D

Acq: 10 Dec 2020 18:36

Instrument :

MSVOA_X

ClientSampleId :

RE135D3-20201208

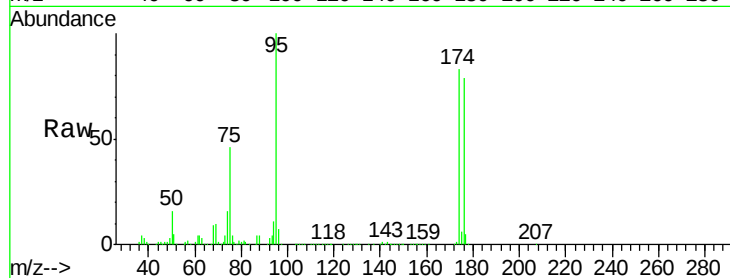
Tgt Ion: 95 Resp: 211792

Ion Ratio Lower Upper

95 100

174 79.6 0.0 154.6

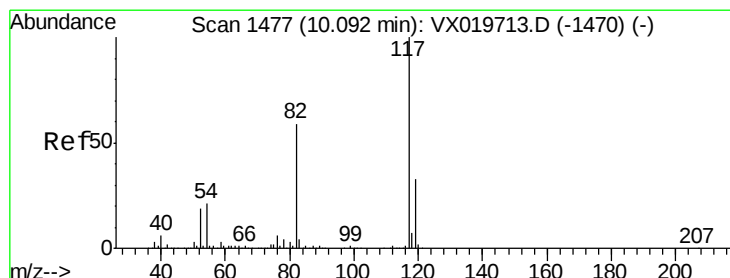
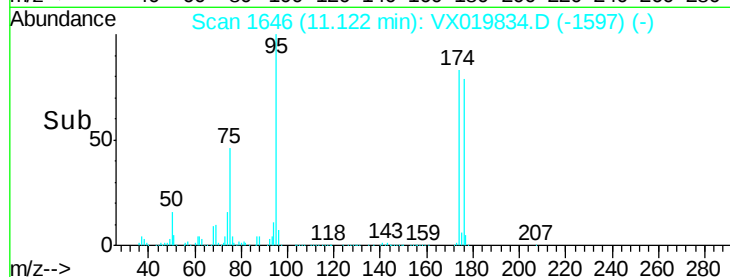
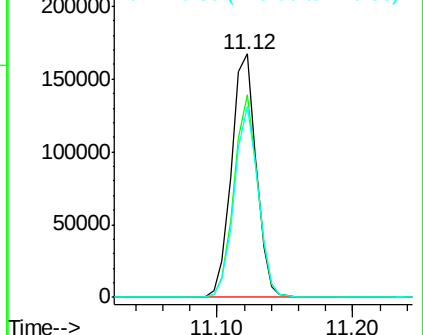
176 76.1 0.0 155.8



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): VX0

Ion 175.80 (175.50 to 176.50): VX0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. 0.01 min

Lab File: VX019834.D

Acq: 10 Dec 2020 18:36

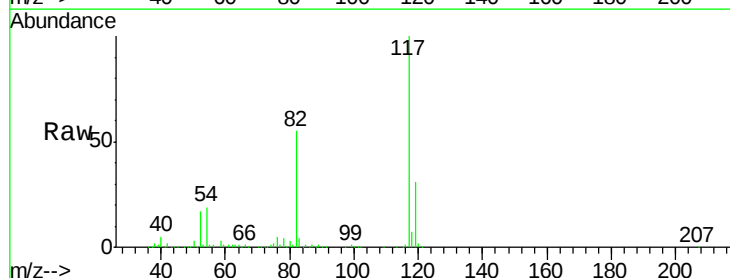
Tgt Ion: 117 Resp: 466521

Ion Ratio Lower Upper

117 100

82 54.6 47.4 71.2

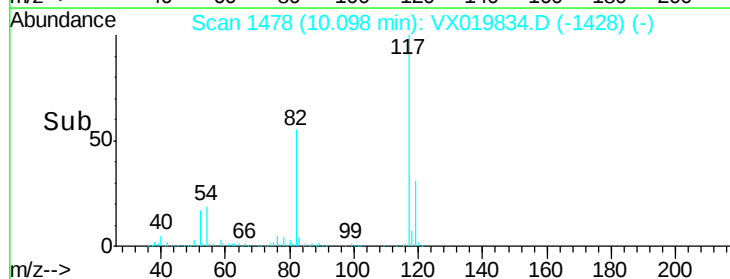
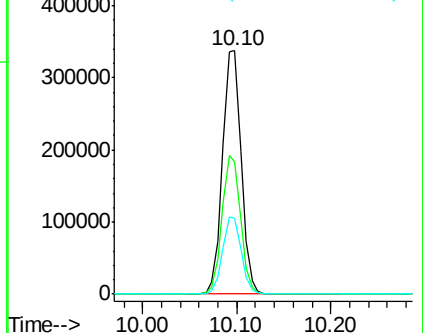
119 31.4 26.6 39.8

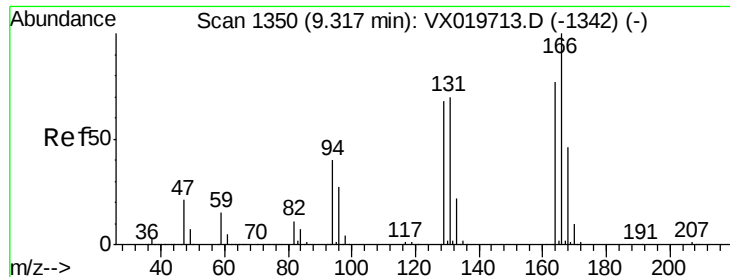


Abundance Ion 116.90 (116.60 to 117.60): VX0

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): VX0





#64

Tetrachloroethene

Concen: 17.452 ug/l

RT: 9.32 min Scan# 1350

Delta R.T. 0.00 min

Lab File: VX019834.D

Acq: 10 Dec 2020 18:36

Instrument :

MSVOA_X

ClientSampleId :

RE135D3-20201208

Tgt Ion:164 Resp: 54601

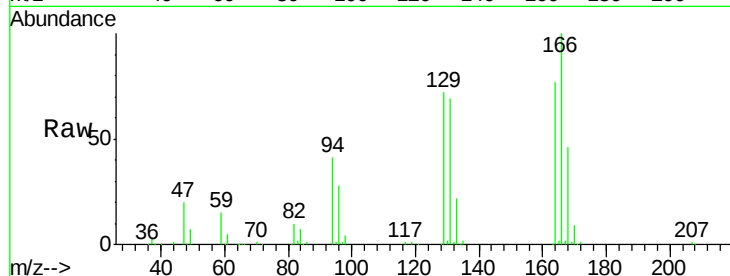
Ion Ratio Lower Upper

164 100

166 129.9 103.4 155.2

129 93.3 70.8 106.2

131 89.4 72.5 108.7

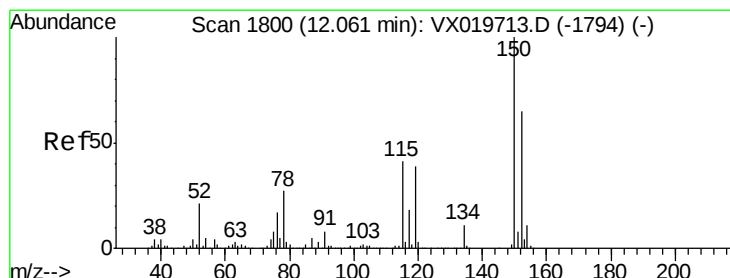
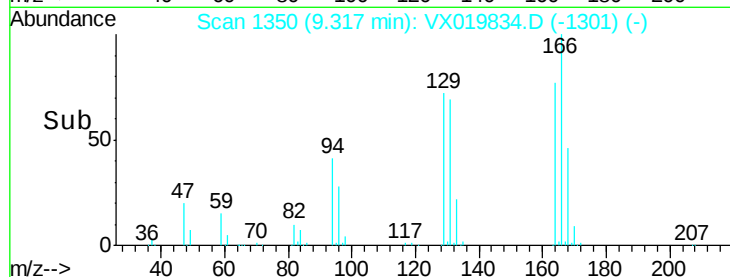
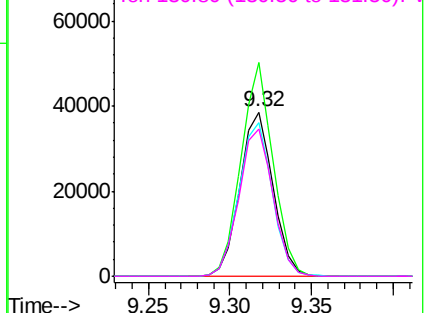


Abundance Ion 163.80 (163.50 to 164.50): V

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: VX019834.D

Acq: 10 Dec 2020 18:36

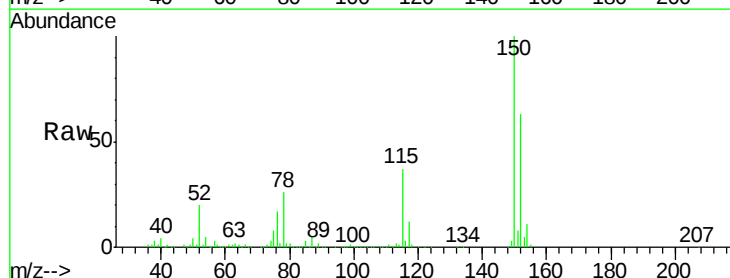
Tgt Ion:152 Resp: 195258

Ion Ratio Lower Upper

152 100

115 59.5 41.1 123.3

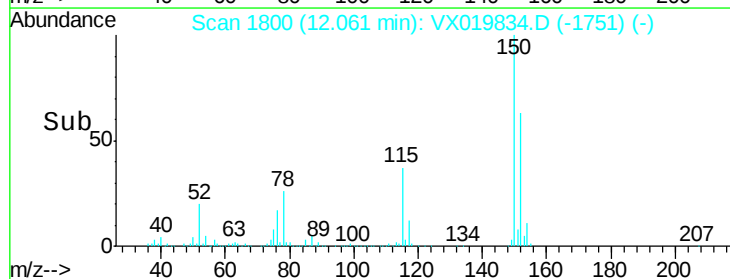
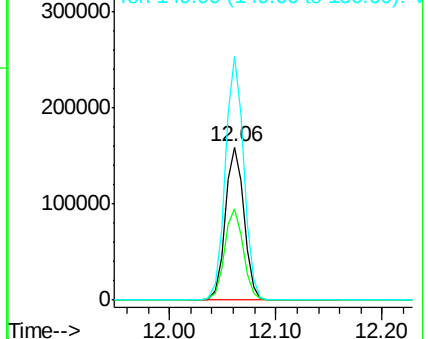
150 157.7 0.0 349.0

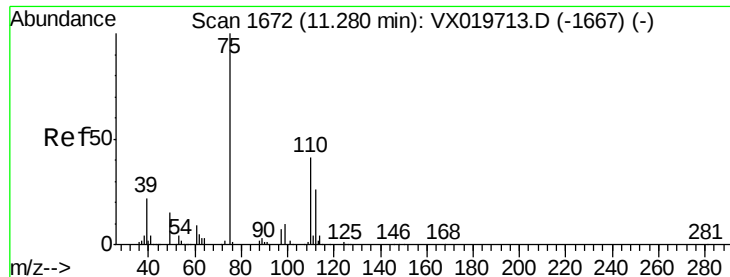


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 23.368 ug/l

RT: 11.12 min Scan# 1645

Delta R.T. -0.16 min

Lab File: VX019834.D

Acq: 10 Dec 2020 18:36

Instrument :

MSVOA_X

ClientSampleId :

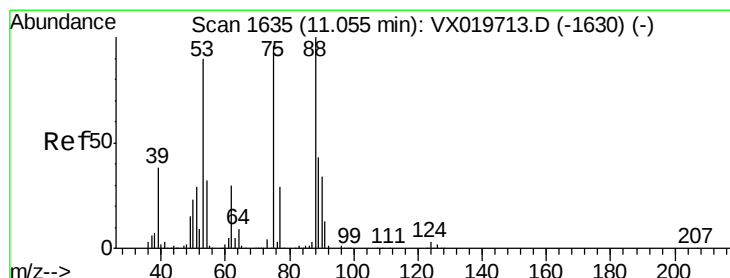
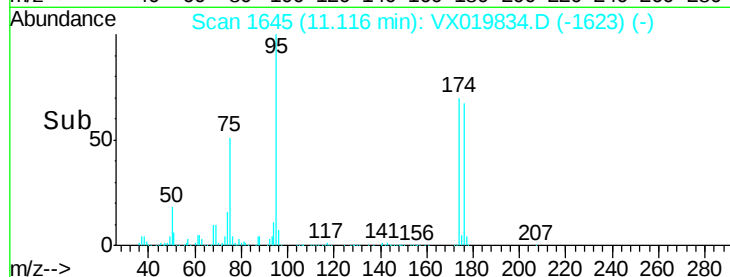
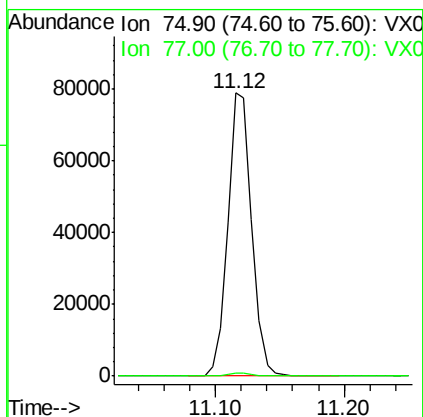
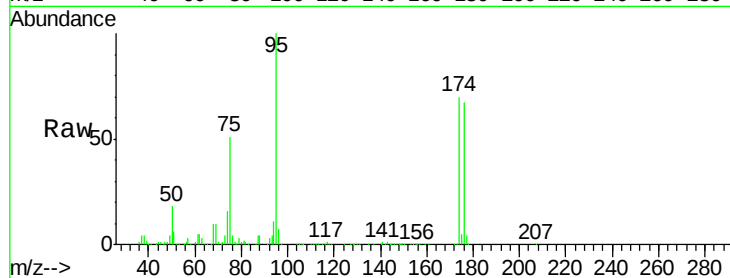
RE135D3-20201208

Tgt Ion: 75 Resp: 102337

Ion Ratio Lower Upper

75 100

77 1.2 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 67.554 ug/l

RT: 11.12 min Scan# 1645

Delta R.T. 0.06 min

Lab File: VX019834.D

Acq: 10 Dec 2020 18:36

Tgt Ion: 75 Resp: 102337

Ion Ratio Lower Upper

75 100

53 0.0 74.5 111.7#

89 0.0 37.9 56.9#

