

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX121420\
 Data File : VX019980.D
 Acq On : 14 Dec 2020 12:46
 Operator : JC/MD
 Sample : L5059-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 CAL-TB01-20201209

Quant Time: Dec 15 00:22:06 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	5.62	168	321142	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	526874	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.09	117	479363	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	210990	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	201022	47.63	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	95.26%		
35) Dibromofluoromethane	5.46	113	159451	46.83	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	93.66%		
50) Toluene-d8	8.70	98	630027	48.46	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	96.92%		
62) 4-Bromofluorobenzene	11.12	95	223117	45.09	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	90.18%		

Target Compounds

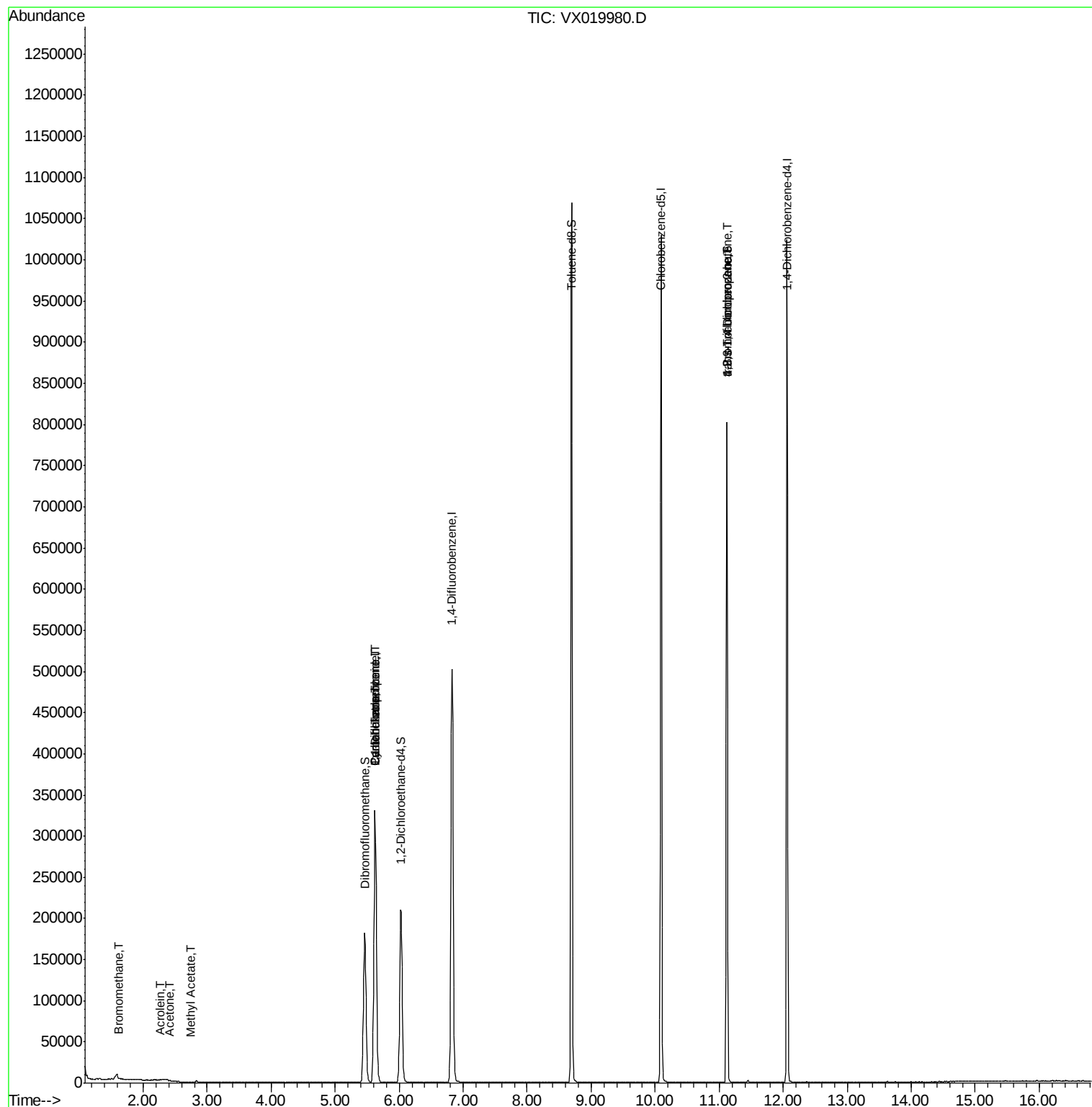
					Qvalue	
5) Bromomethane	1.63	94	421	0.348	ug/l	83
11) Tert butyl alcohol	2.98	59	218	Below Cal	#	73
13) Acrolein	2.27	56	156	0.335	ug/l #	36
16) Acetone	2.42	43	1002	0.632	ug/l #	86
18) Methyl Acetate	2.74	43	805	0.207	ug/l #	69
20) Methylene Chloride	2.83	84	934	Below Cal	#	92
31) Cyclohexane	5.62	56	6205	1.182	ug/l #	1
36) 1,1-Dichloropropene	5.62	75	24242	5.092	ug/l #	49
38) Carbon Tetrachloride	5.63	117	31690	6.797	ug/l #	16
76) 1,2,3-Trichloropropane	11.12	75	107924	22.807	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.12	75	107924	65.930	ug/l #	12

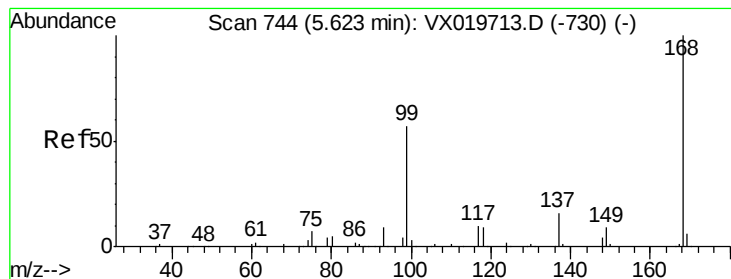
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX121420\
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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: 5.62 min Scan# 744

Delta R.T. 0.00 min

Lab File: VX019980.D

Acq: 14 Dec 2020 12:46

Instrument :

MSVOA_X

ClientSampleId :

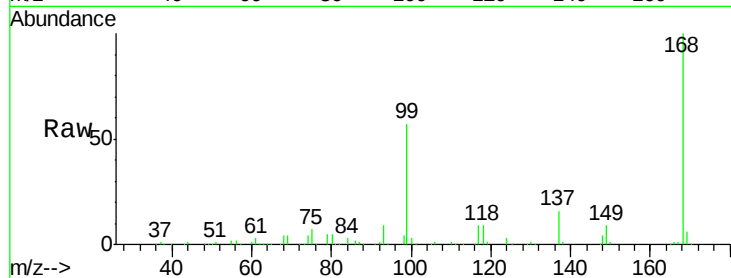
CAL-TB01-20201209

Tgt Ion:168 Resp: 321142

Ion Ratio Lower Upper

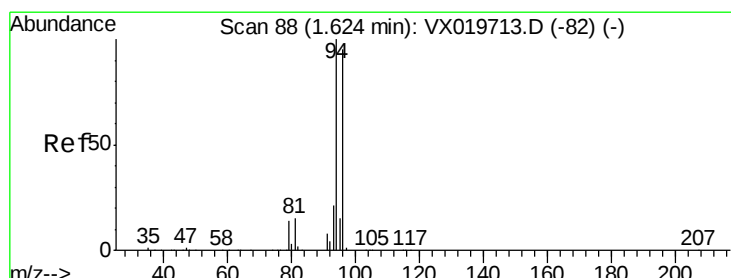
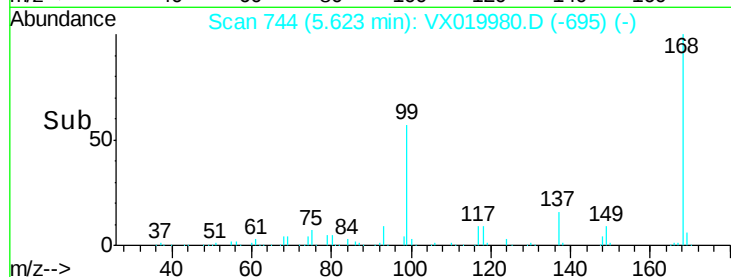
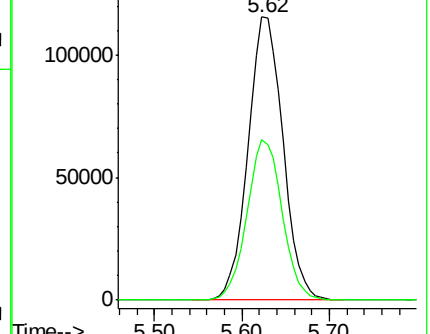
168 100

99 56.7 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: 0.348 ug/l

RT: 1.63 min Scan# 89

Delta R.T. 0.01 min

Lab File: VX019980.D

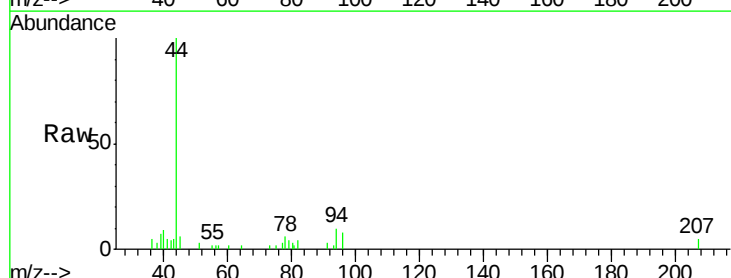
Acq: 14 Dec 2020 12:46

Tgt Ion: 94 Resp: 421

Ion Ratio Lower Upper

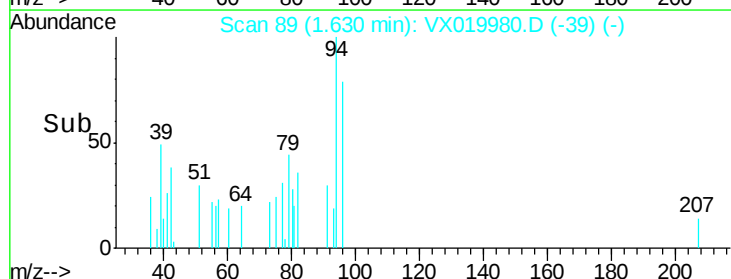
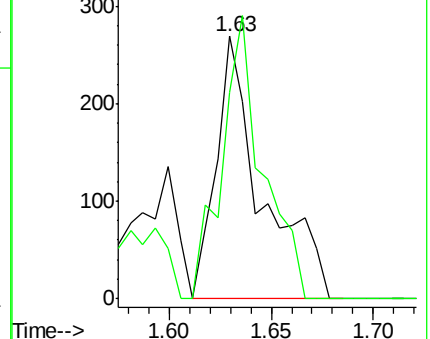
94 100

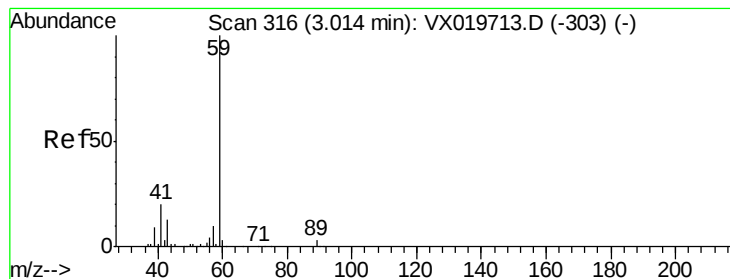
96 78.8 76.4 114.6



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



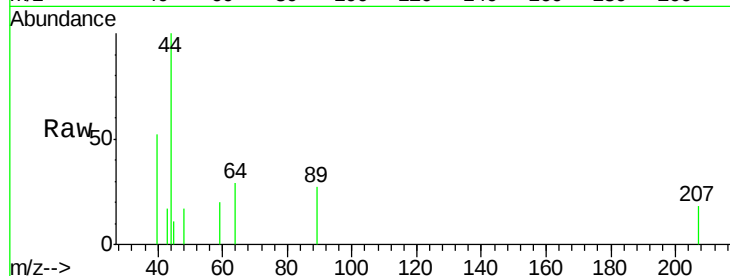


#11

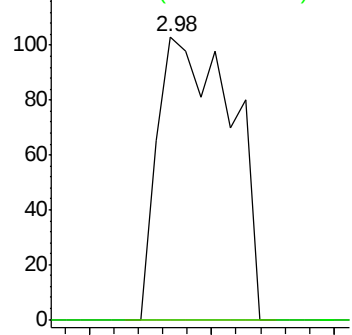
Tert butyl alcohol
 Concen: Below Cal
 RT: 2.98 min Scan# 311
 Delta R.T. -0.03 min
 Lab File: VX019980.D
 Acq: 14 Dec 2020 12:46

Instrument :
 MSVOA_X
 ClientSampleId :
 CAL-TB01-20201209

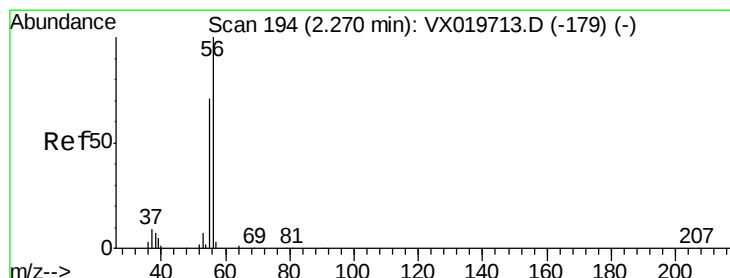
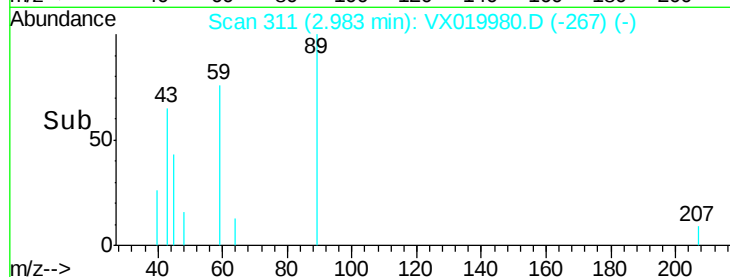
Tgt Ion: 59 Resp: 218
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.8 11.8#



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



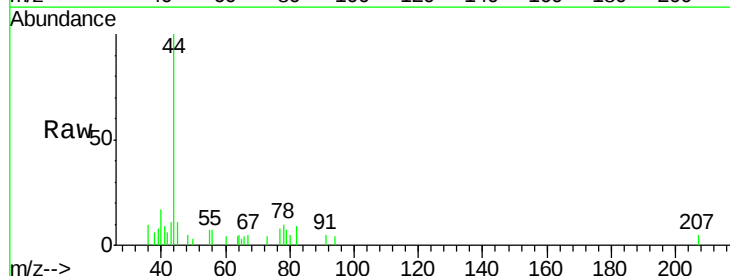
Time-->



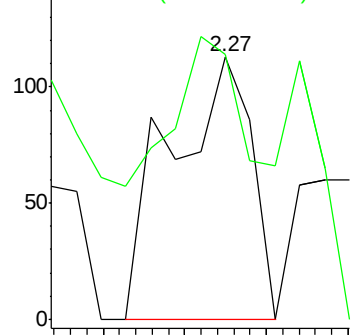
#13

Acrolein
 Concen: 0.335 ug/l
 RT: 2.27 min Scan# 194
 Delta R.T. 0.00 min
 Lab File: VX019980.D
 Acq: 14 Dec 2020 12:46

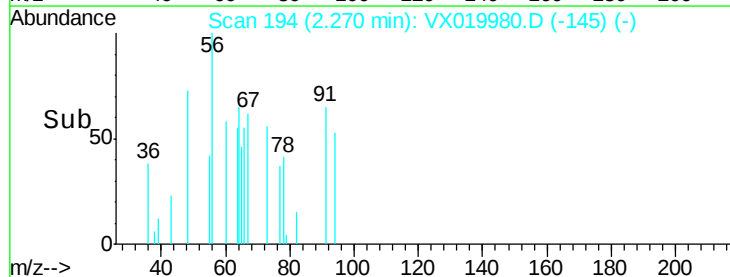
Tgt Ion: 56 Resp: 156
 Ion Ratio Lower Upper
 56 100
 55 123.1 56.4 84.6#

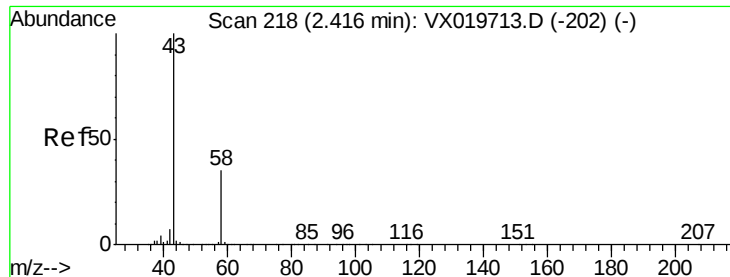


Abundance Ion 56.00 (55.70 to 56.70): VX0
 Ion 55.00 (54.70 to 55.70): VX0



Time-->





#16

Acetone

Concen: 0.632 ug/l

RT: 2.42 min Scan# 218

Delta R.T. 0.00 min

Lab File: VX019980.D

Acq: 14 Dec 2020 12:46

Instrument :

MSVOA_X

ClientSampleId :

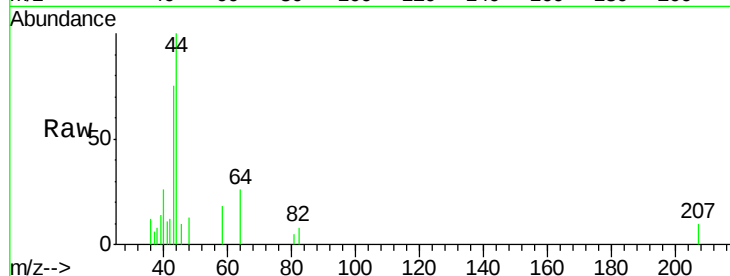
CAL-TB01-20201209

Tgt Ion: 43 Resp: 1002

Ion Ratio Lower Upper

43 100

58 27.0 27.8 41.8#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.42

600

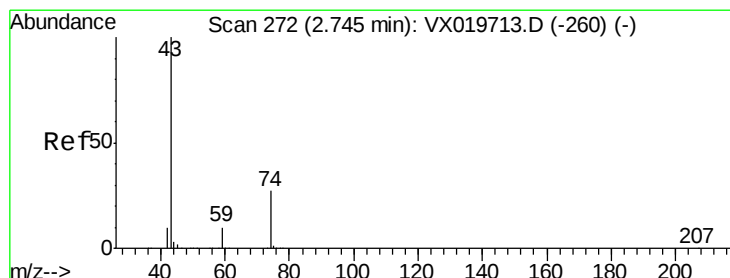
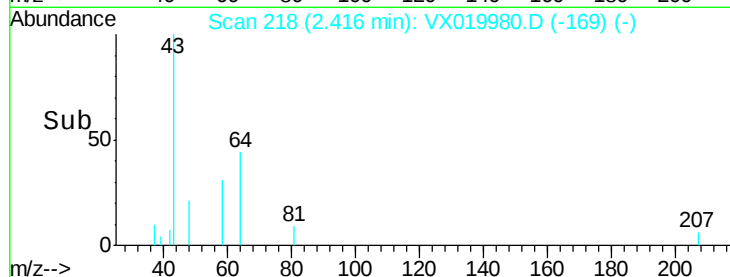
400

200

0

2.40 2.45

Time-->



#18

Methyl Acetate

Concen: 0.207 ug/l

RT: 2.74 min Scan# 271

Delta R.T. -0.01 min

Lab File: VX019980.D

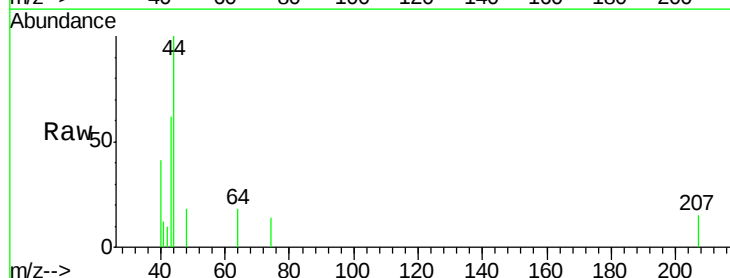
Acq: 14 Dec 2020 12:46

Tgt Ion: 43 Resp: 805

Ion Ratio Lower Upper

43 100

74 11.2 21.9 32.9#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.74

300

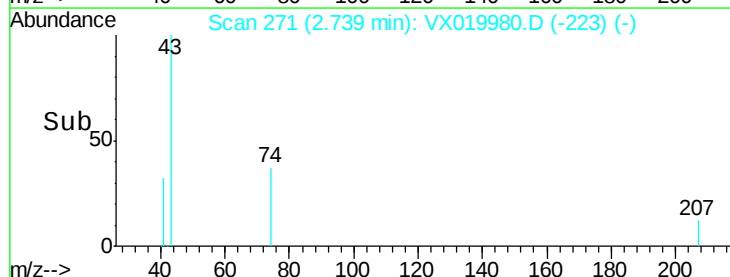
200

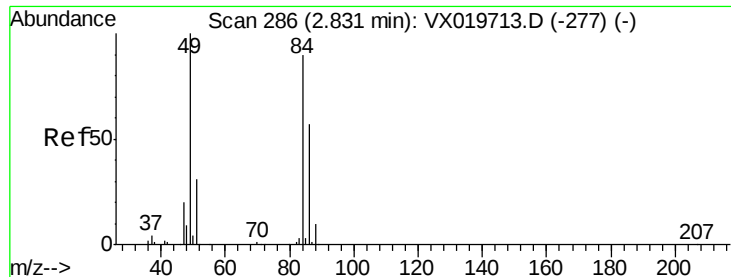
100

0

2.70 2.75 2.80

Time-->

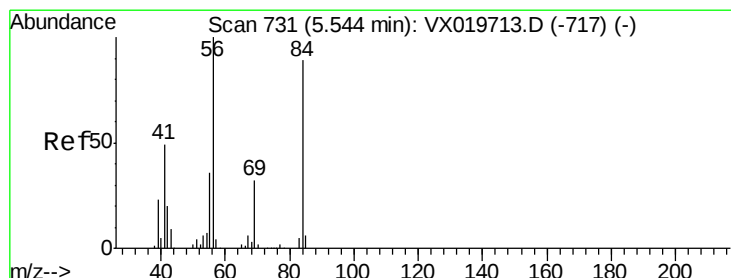
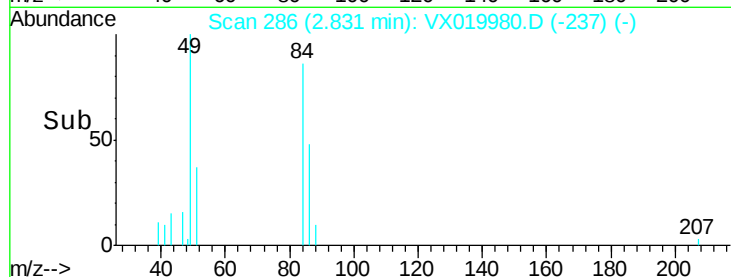
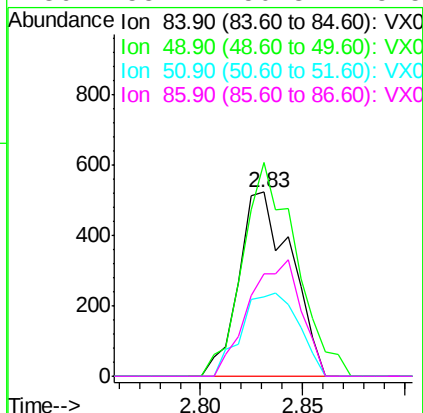
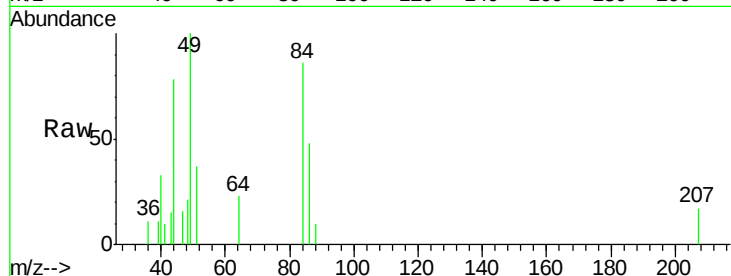




#20
Methylene Chloride
Concen: Below Cal
RT: 2.83 min Scan# 286
Delta R.T. 0.00 min
Lab File: VX019980.D
Acq: 14 Dec 2020 12:46

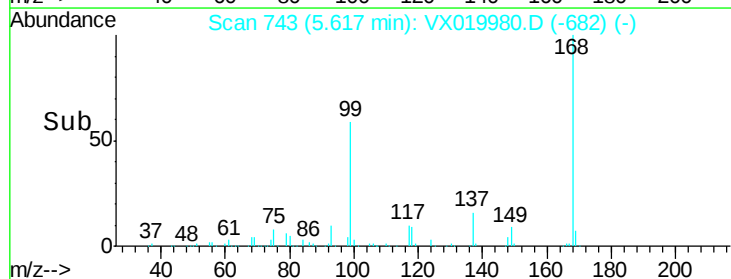
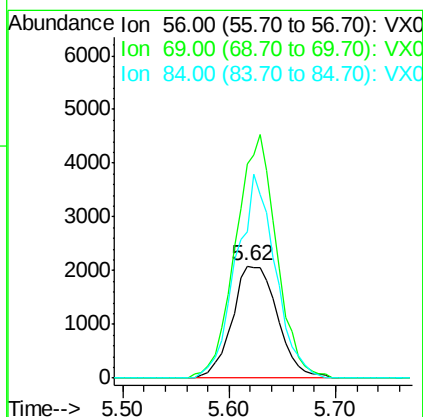
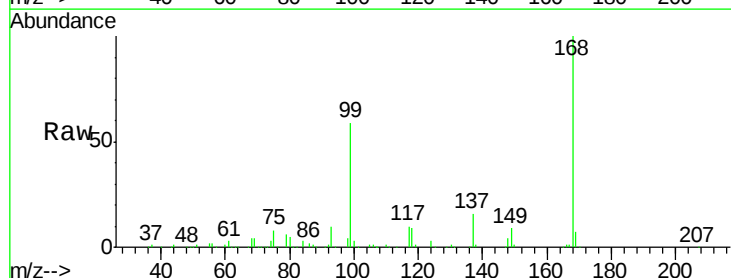
Instrument :
MSVOA_X
ClientSampleId :
CAL-TB01-20201209

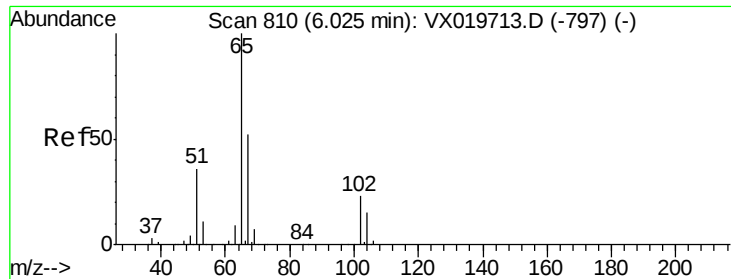
Tgt Ion:	84	Resp:	934
Ion	Ratio	Lower	Upper
84	100		
49	116.1	88.6	132.8
51	43.1	27.0	40.6#
86	55.7	50.3	75.5



#31
Cyclohexane
Concen: 1.182 ug/l
RT: 5.62 min Scan# 743
Delta R.T. 0.07 min
Lab File: VX019980.D
Acq: 14 Dec 2020 12:46

Tgt Ion:	56	Resp:	6205
Ion	Ratio	Lower	Upper
56	100		
69	191.0	25.3	37.9#
84	130.3	71.4	107.0#

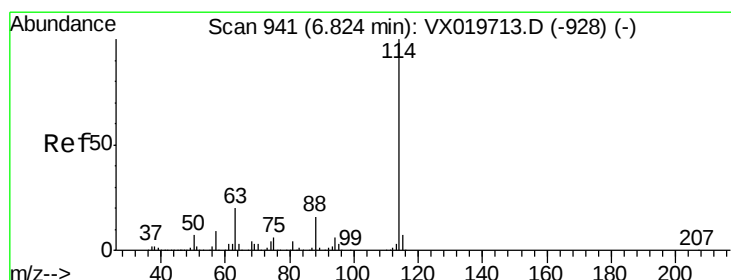
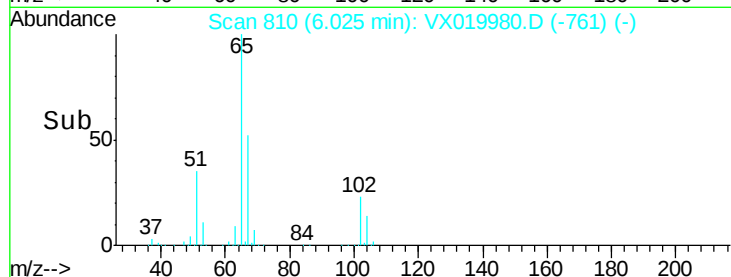
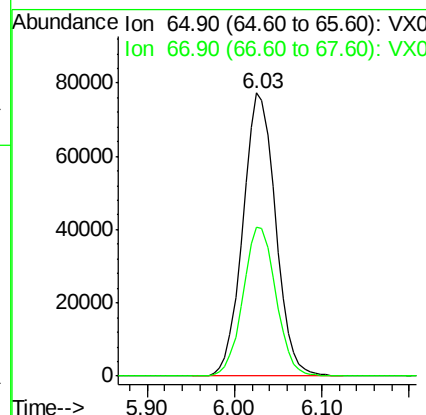
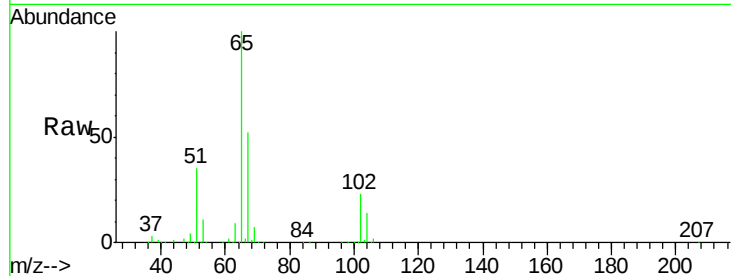




#33
 1,2-Dichloroethane-d4
 Concen: 47.627 ug/l
 RT: 6.03 min Scan# 810
 Delta R.T. 0.00 min
 Lab File: VX019980.D
 Acq: 14 Dec 2020 12:46

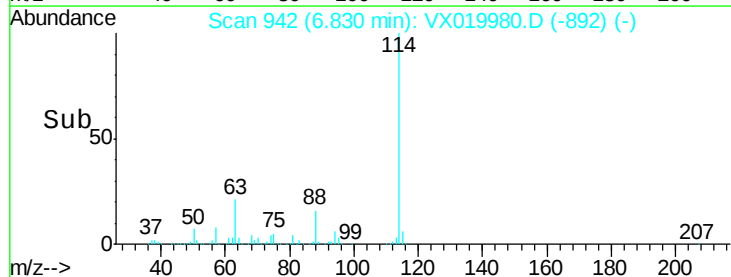
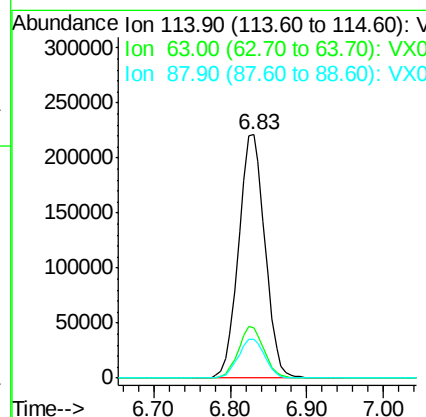
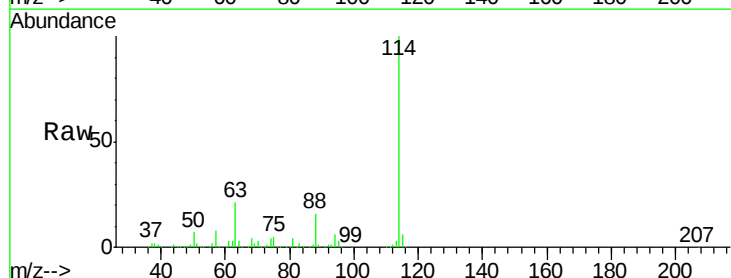
Instrument :
 MSVOA_X
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 CAL-TB01-20201209

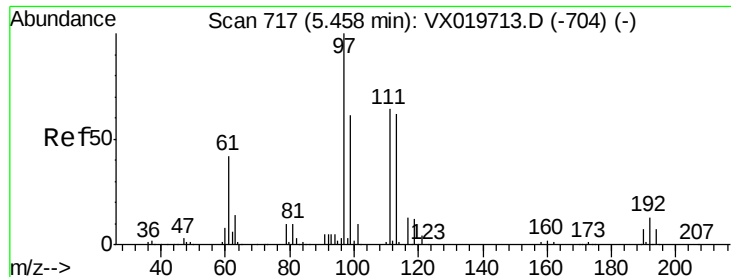
Tgt Ion: 65 Resp: 201022
 Ion Ratio Lower Upper
 65 100
 67 53.1 0.0 105.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. 0.01 min
 Lab File: VX019980.D
 Acq: 14 Dec 2020 12:46

Tgt Ion: 114 Resp: 526874
 Ion Ratio Lower Upper
 114 100
 63 20.6 0.0 40.8
 88 16.2 0.0 32.8

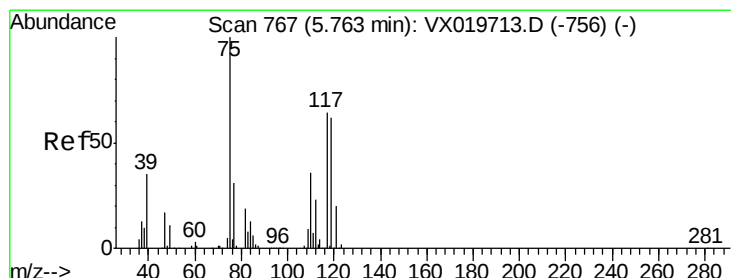
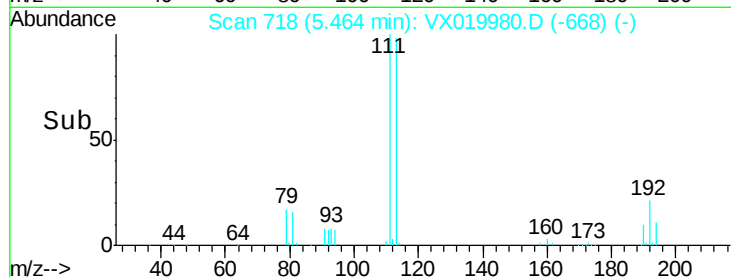
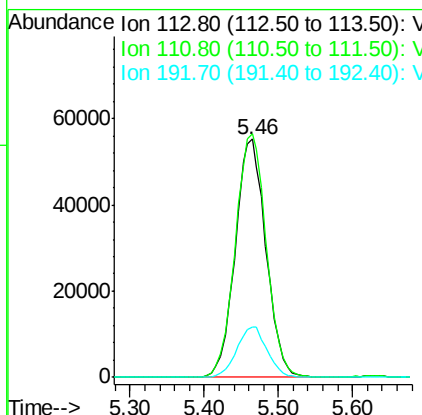
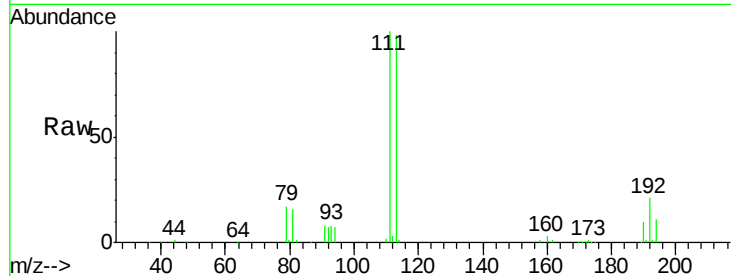




#35
 Dibromofluoromethane
 Concen: 46.827 ug/l
 RT: 5.46 min Scan# 718
 Delta R.T. 0.01 min
 Lab File: VX019980.D
 Acq: 14 Dec 2020 12:46

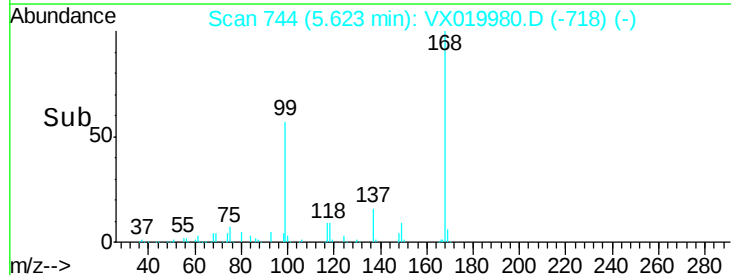
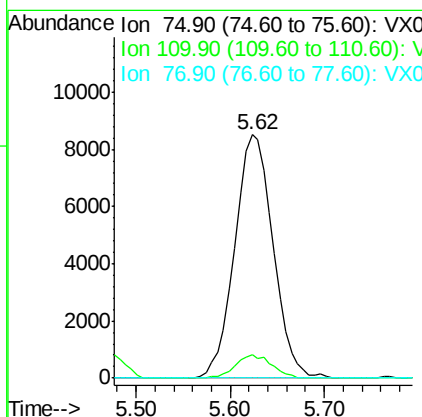
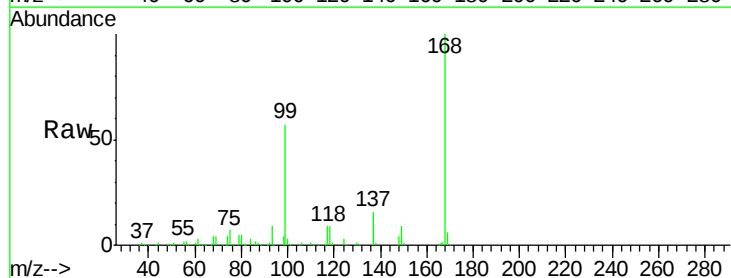
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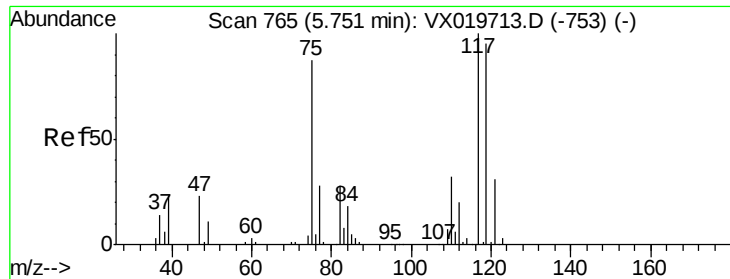
Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.4	81.9	122.9
192	20.9	16.7	25.1



#36
 1,1-Dichloropropene
 Concen: 5.092 ug/l
 RT: 5.62 min Scan# 744
 Delta R.T. -0.14 min
 Lab File: VX019980.D
 Acq: 14 Dec 2020 12:46

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.1	18.1	54.4#
77	0.0	25.3	37.9#

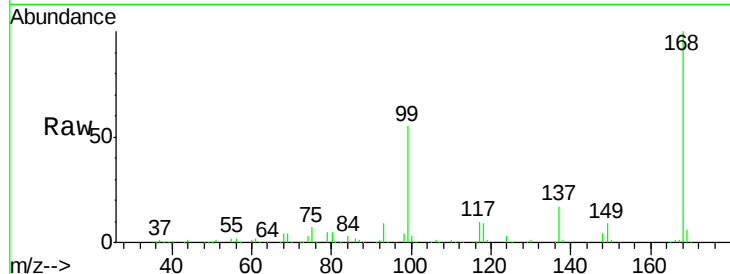




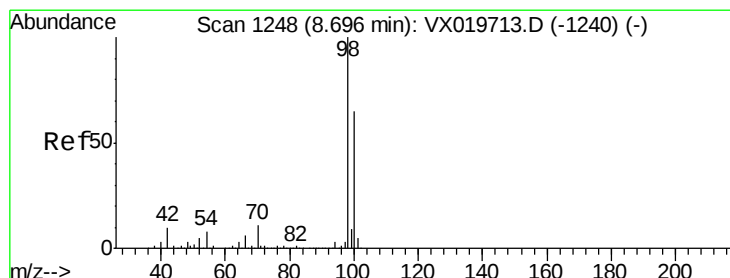
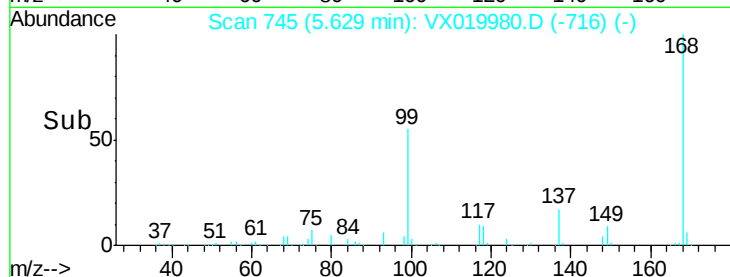
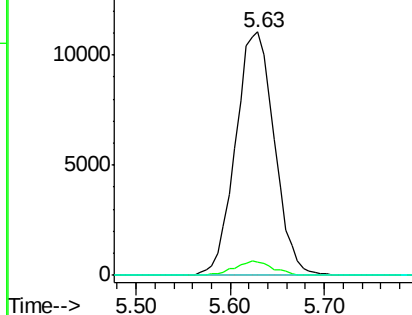
#38
 Carbon Tetrachloride
 Concen: 6.797 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.12 min
 Lab File: VX019980.D
 Acq: 14 Dec 2020 12:46

Instrument :
 MSVOA_X
 ClientSampleId :
 CAL-TB01-20201209

Tgt Ion: 117 Resp: 31690
 Ion Ratio Lower Upper
 117 100
 119 5.2 76.2 114.2#
 121 0.0 24.8 37.2#

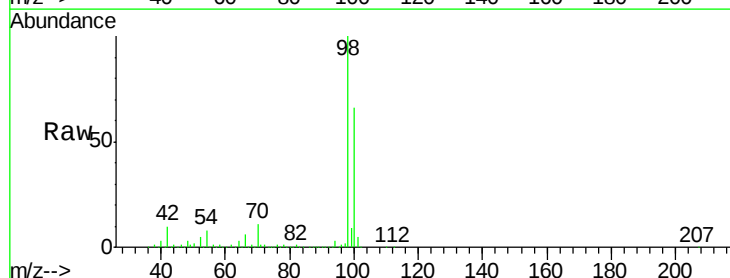


Abundance Ion 116.80 (116.50 to 117.50): V
 Ion 118.80 (118.50 to 119.50): V
 Ion 120.80 (120.50 to 121.50): V

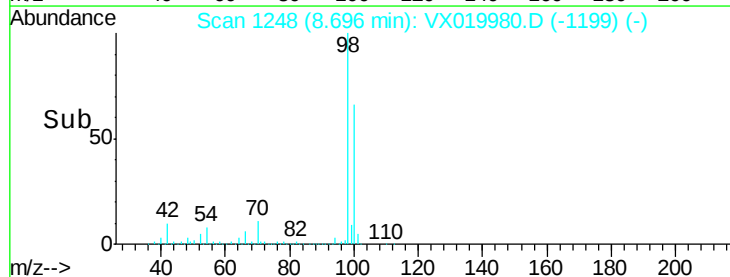
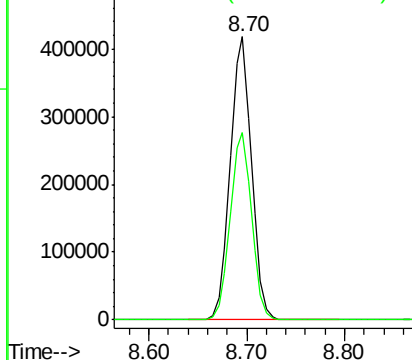


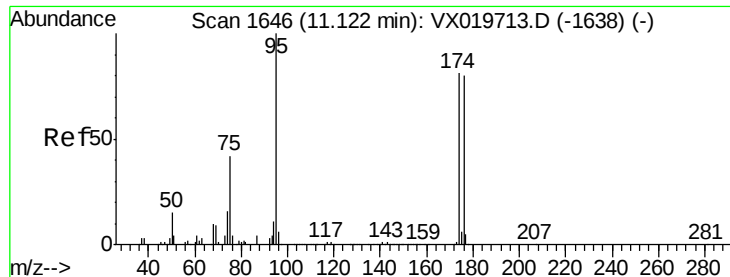
#50
 Toluene-d8
 Concen: 48.464 ug/l
 RT: 8.70 min Scan# 1248
 Delta R.T. 0.00 min
 Lab File: VX019980.D
 Acq: 14 Dec 2020 12:46

Tgt Ion: 98 Resp: 630027
 Ion Ratio Lower Upper
 98 100
 100 66.6 51.9 77.9



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





#62

4-Bromofluorobenzene

Concen: 45.093 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX019980.D

Acq: 14 Dec 2020 12:46

Instrument :

MSVOA_X

ClientSampleId :

CAL-TB01-20201209

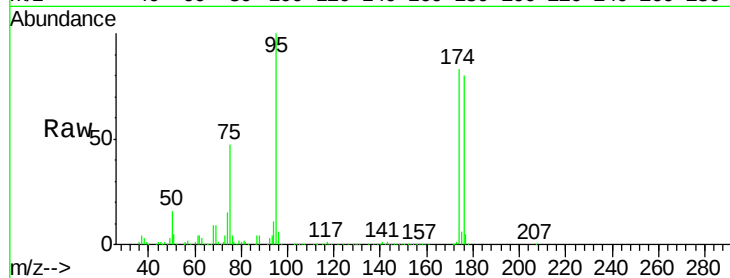
Tgt Ion: 95 Resp: 223117

Ion Ratio Lower Upper

95 100

174 77.0 0.0 154.6

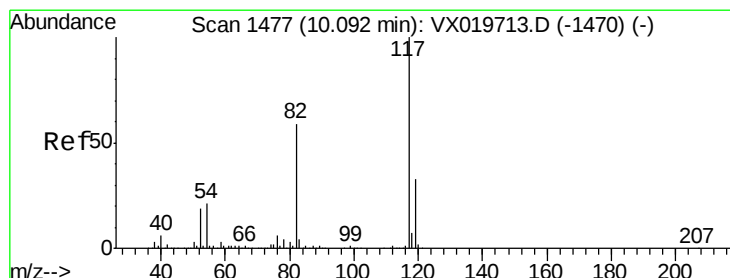
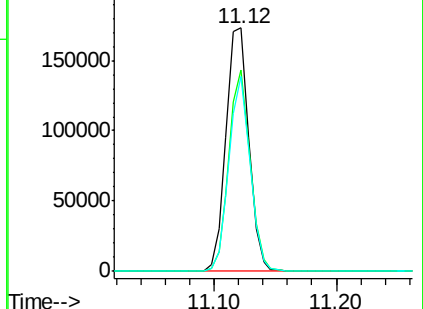
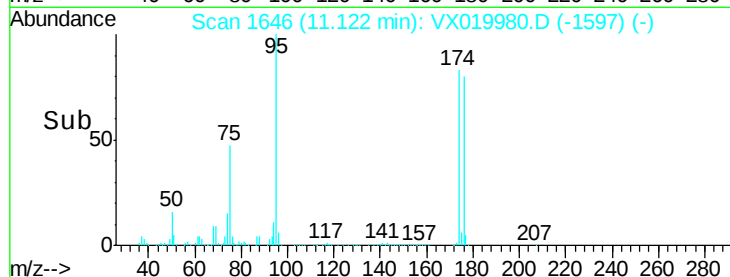
176 74.2 0.0 155.8



Abundance Ion 94.90 (94.60 to 95.60): VX019980.D (-1597) (-)

Ion 173.80 (173.50 to 174.50): VX019980.D (-1597) (-)

Ion 175.80 (175.50 to 176.50): VX019980.D (-1597) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.09 min Scan# 1477

Delta R.T. 0.00 min

Lab File: VX019980.D

Acq: 14 Dec 2020 12:46

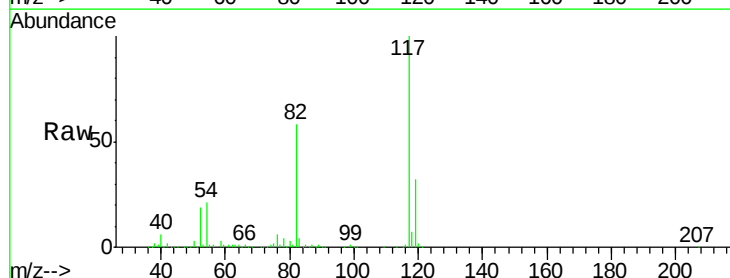
Tgt Ion: 117 Resp: 479363

Ion Ratio Lower Upper

117 100

82 58.1 47.4 71.2

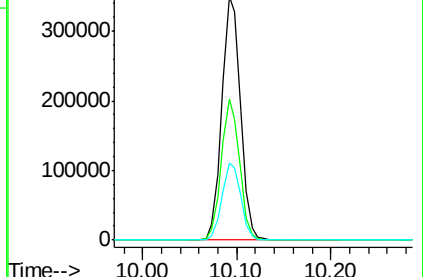
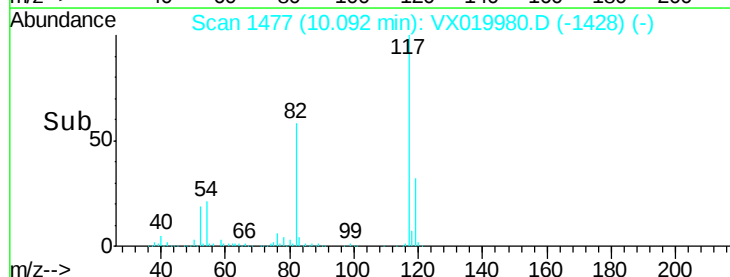
119 31.6 26.6 39.8

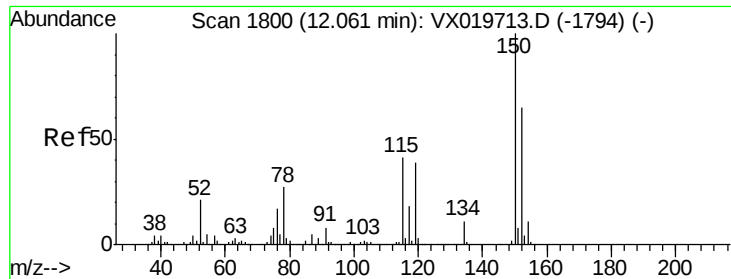


Abundance Ion 116.90 (116.60 to 117.60): VX019980.D (-1428) (-)

Ion 82.00 (81.70 to 82.70): VX019980.D (-1428) (-)

Ion 118.90 (118.60 to 119.60): VX019980.D (-1428) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. 0.00 min

Lab File: VX019980.D

Acq: 14 Dec 2020 12:46

Instrument :

MSVOA_X

ClientSampleId :

CAL-TB01-20201209

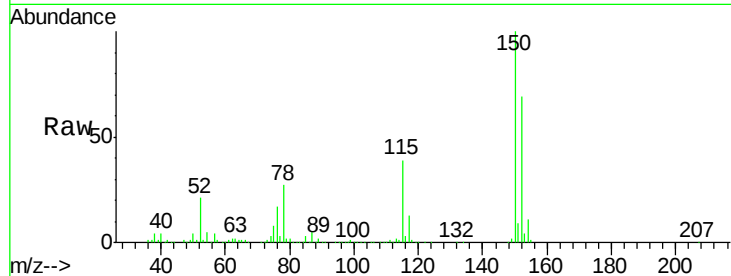
Tgt Ion:152 Resp: 210990

Ion Ratio Lower Upper

152 100

115 58.2 41.1 123.3

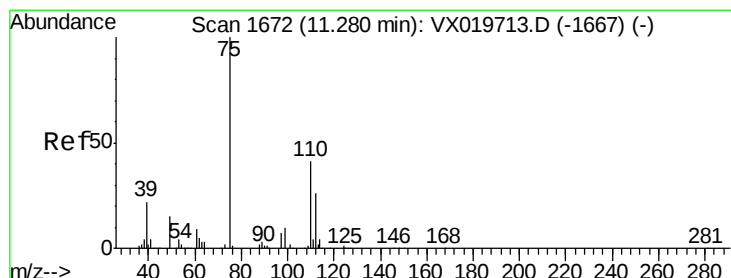
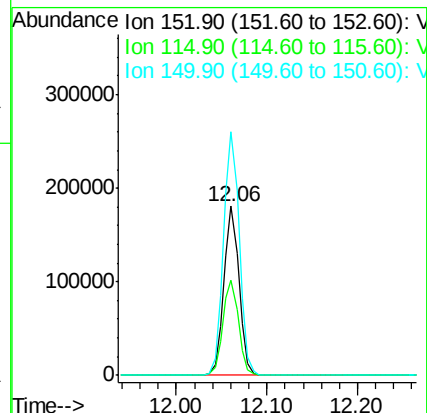
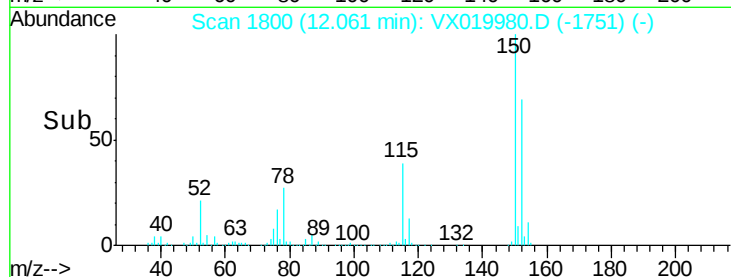
150 150.6 0.0 349.0



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: 22.807 ug/l

RT: 11.12 min Scan# 1645

Delta R.T. -0.16 min

Lab File: VX019980.D

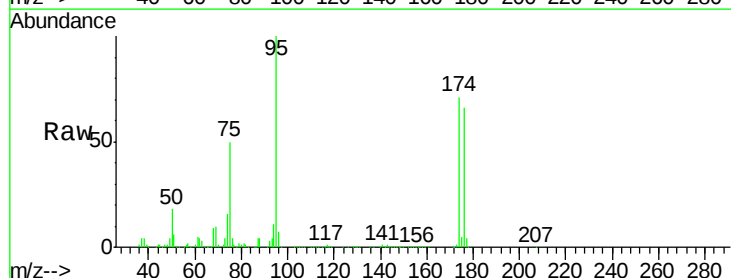
Acq: 14 Dec 2020 12:46

Tgt Ion: 75 Resp: 107924

Ion Ratio Lower Upper

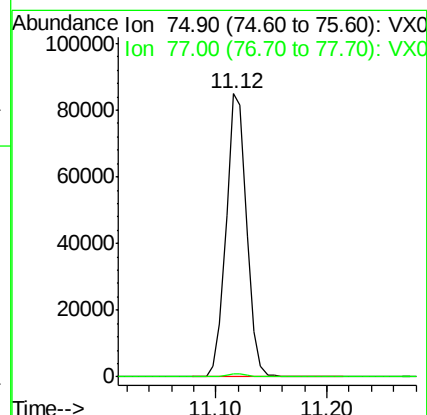
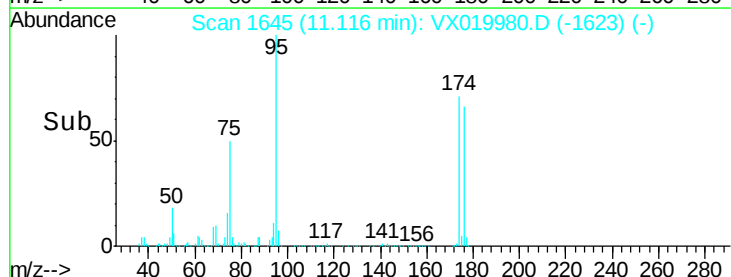
75 100

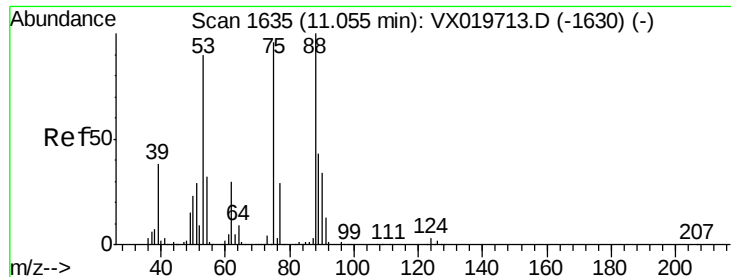
77 1.2 19.1 57.5#



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: 65.930 ug/l

RT: 11.12 min Scan# 1645

Delta R.T. 0.06 min

Lab File: VX019980.D

Acq: 14 Dec 2020 12:46

Instrument :

MSVOA_X

ClientSampleId :

CAL-TB01-20201209

Tgt Ion: 75 Resp: 107924

Ion Ratio Lower Upper

75 100

53 0.1 74.5 111.7#

89 0.0 37.9 56.9#

