

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX121020\
 Data File : VX019832.D
 Acq On : 10 Dec 2020 17:50
 Operator : JC/MD
 Sample : L4996-08
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE117D2-20201208

Quant Time: Dec 11 00:52:56 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

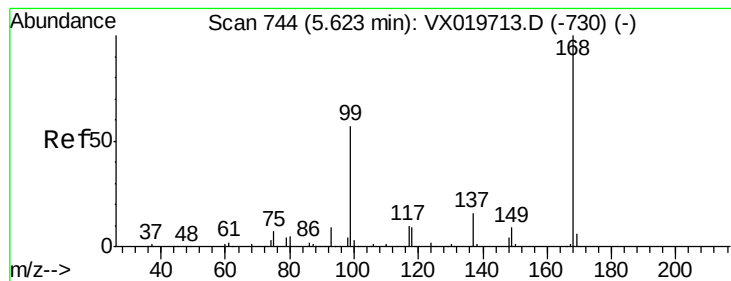
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.62	168	302907	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	509869	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	464624	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	201794	50.00	ug/l	0.00

System Monitoring Compounds		R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4		6.03	65	195018	48.99	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	97.98%	
35) Dibromofluoromethane		5.46	113	158030	47.96	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	95.92%	
50) Toluene-d8		8.70	98	617559	49.09	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	98.18%	
62) 4-Bromofluorobenzene		11.12	95	212235	44.32	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	88.64%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.63	94	447	0.391	ug/l #	80
11) Tert butyl alcohol	3.00	59	582	Below Cal	#	73
16) Acetone	2.42	43	1399	0.935	ug/l #	75
20) Methylene Chloride	2.83	84	361	Below Cal	#	80
31) Cyclohexane	5.62	56	5806	1.172	ug/l #	1
36) 1,1-Dichloropropene	5.62	75	22518	4.887	ug/l #	49
38) Carbon Tetrachloride	5.63	117	30425	6.743	ug/l #	16
44) Trichloroethene	7.19	130	1272	0.344	ug/l	82
51) 4-Methyl-2-Pentanone	8.69	43	2464	0.534	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	103560	22.882	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.12	75	103560	66.147	ug/l #	12

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

```
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\WX121020\
Data File : VX019832.D
Acq On    : 10 Dec 2020  17:50
Operator  : JC/MD
Sample    : L4996-08
Misc      : 5.0mL/MSVOA_X/WATER
ALS Vial  : 23    Sample Multiplier: 1
```



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.00 min

Lab File: VX019832.D

Acq: 10 Dec 2020 17:50

Instrument :

MSVOA_X

ClientSampleId :

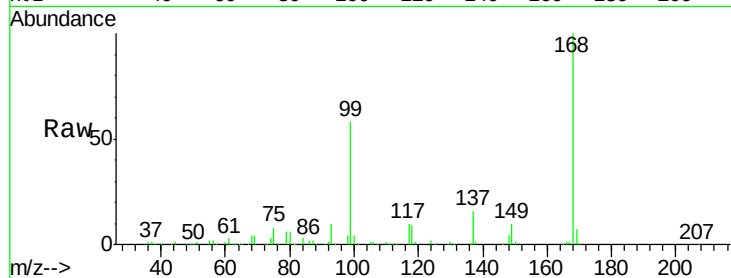
RE117D2-20201208

Tgt Ion: 168 Resp: 302907

Ion Ratio Lower Upper

168 100

99 58.1 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.62

120000

100000

80000

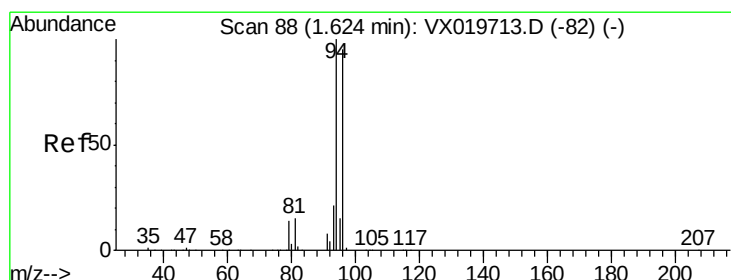
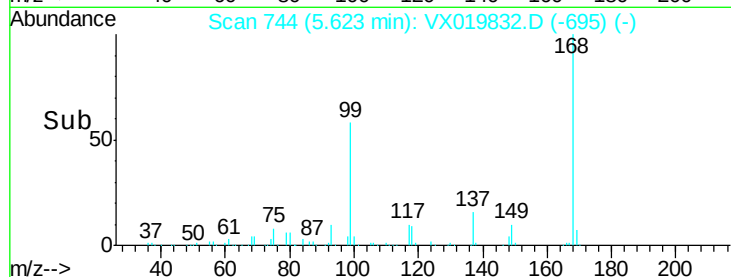
60000

40000

20000

0

Time-->



#5

Bromomethane

Concen: 0.391 ug/l

RT: 1.63 min Scan# 89

Delta R.T. 0.01 min

Lab File: VX019832.D

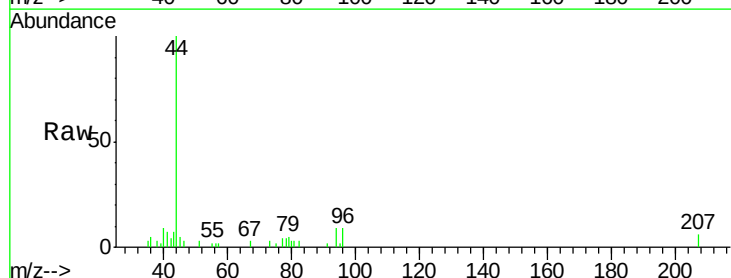
Acq: 10 Dec 2020 17:50

Tgt Ion: 94 Resp: 447

Ion Ratio Lower Upper

94 100

96 76.1 76.4 114.6#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

300

250

200

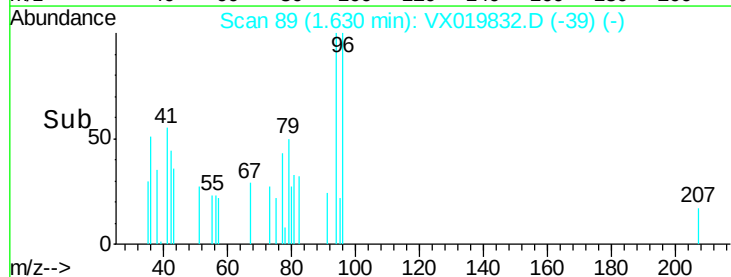
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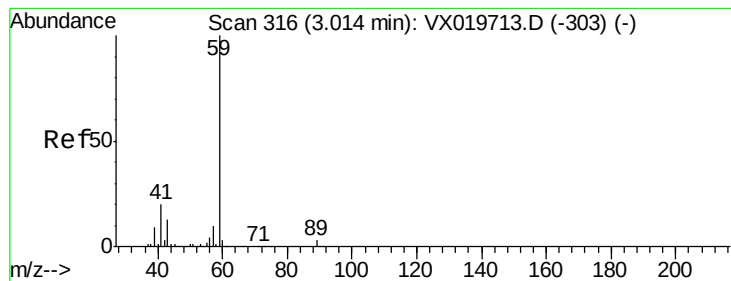
100

50

0

Time-->



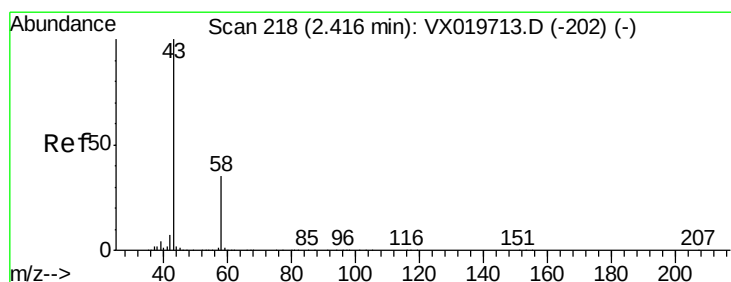
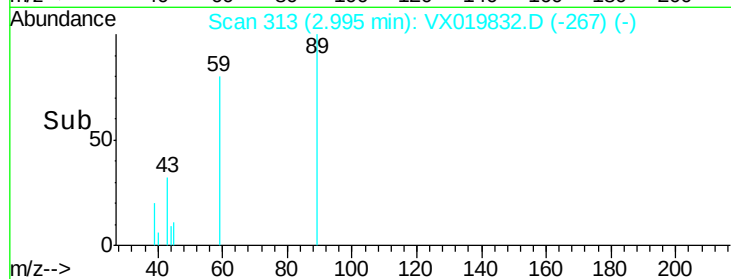
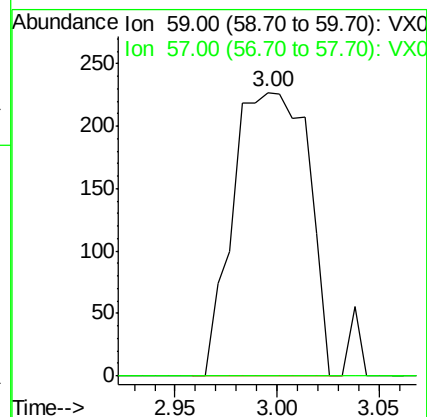
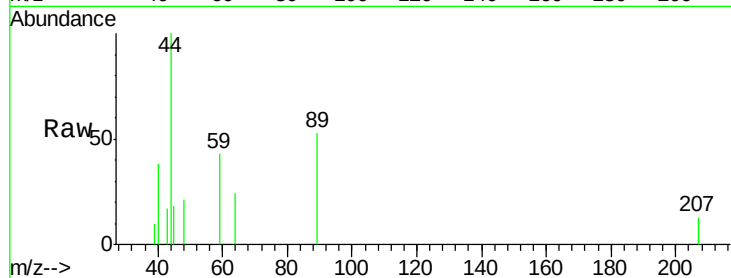


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 3.00 min Scan# 313
 Delta R.T. -0.02 min
 Lab File: VX019832.D
 Acq: 10 Dec 2020 17:50

Instrument :
 MSVOA_X
 ClientSampleId :
 RE117D2-20201208

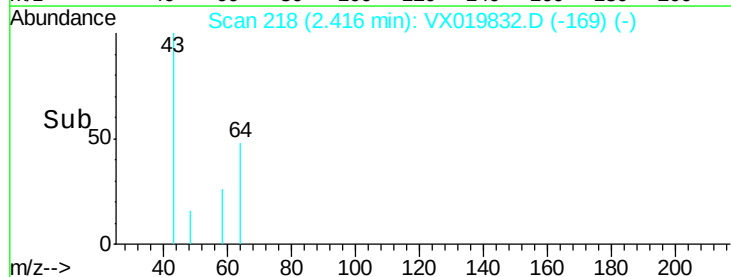
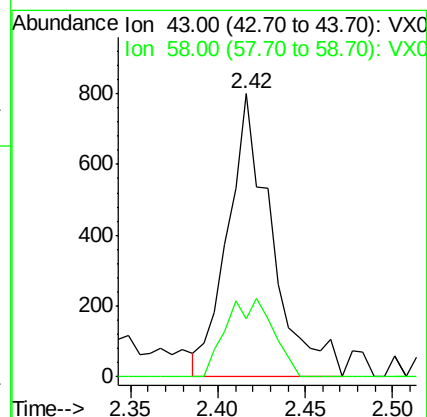
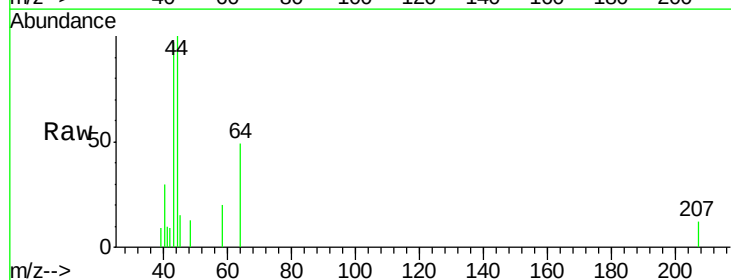
Tgt Ion: 59 Resp: 582
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.8 11.8#

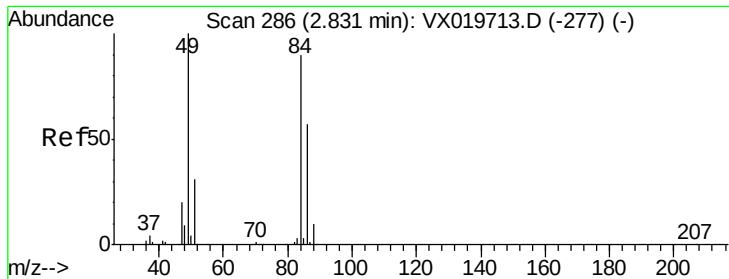


#16

Acetone
 Concen: 0.935 ug/l
 RT: 2.42 min Scan# 218
 Delta R.T. -0.00 min
 Lab File: VX019832.D
 Acq: 10 Dec 2020 17:50

Tgt Ion: 43 Resp: 1399
 Ion Ratio Lower Upper
 43 100
 58 20.5 27.8 41.8#

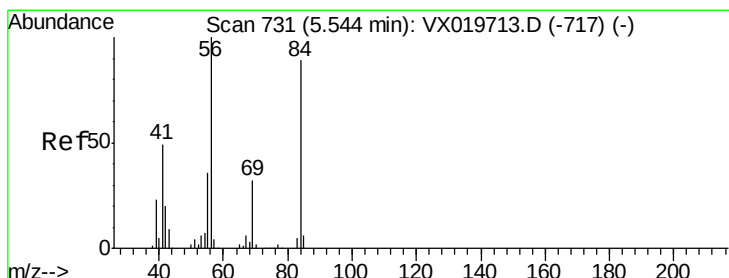
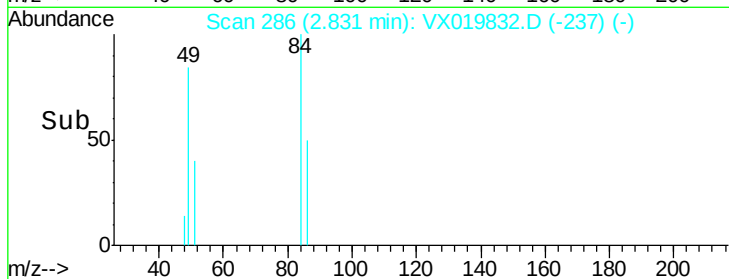
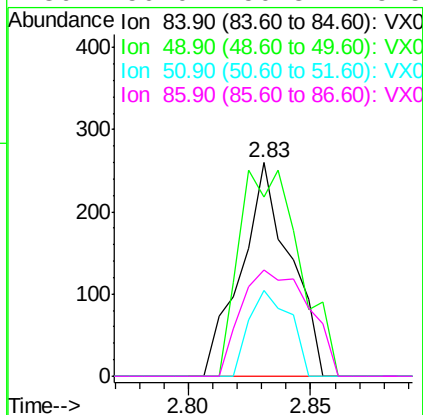
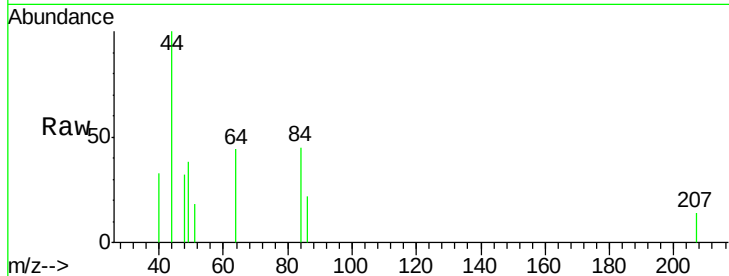




#20
Methylene Chloride
Concen: Below Cal
RT: 2.83 min Scan# 286
Delta R.T. 0.00 min
Lab File: VX019832.D
Acq: 10 Dec 2020 17:50

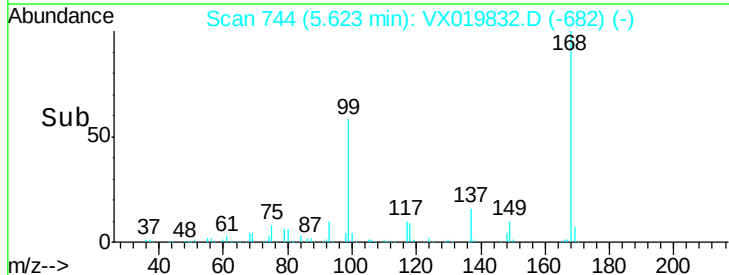
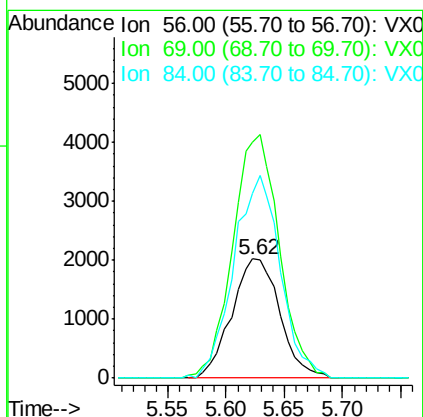
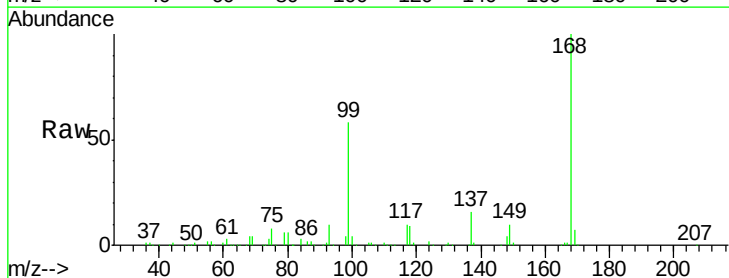
Instrument :
MSVOA_X
ClientSampleId :
RE117D2-20201208

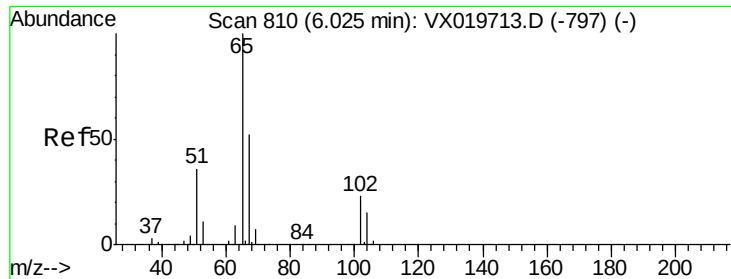
Tgt Ion: 84 Resp: 361
Ion Ratio Lower Upper
84 100
49 83.8 88.6 132.8#
51 40.0 27.0 40.6
86 50.0 50.3 75.5#



#31
Cyclohexane
Concen: 1.172 ug/l
RT: 5.62 min Scan# 744
Delta R.T. 0.08 min
Lab File: VX019832.D
Acq: 10 Dec 2020 17:50

Tgt Ion: 56 Resp: 5806
Ion Ratio Lower Upper
56 100
69 197.7 25.3 37.9#
84 154.5 71.4 107.0#

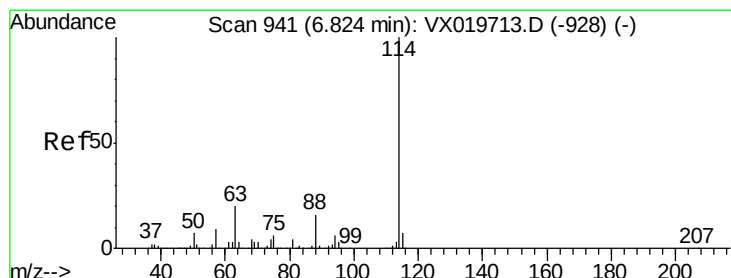
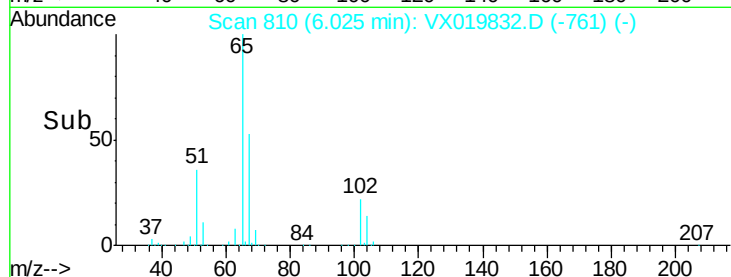
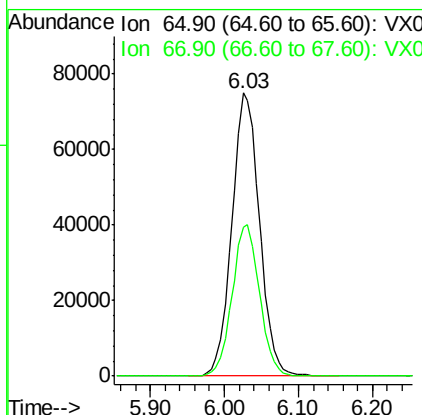
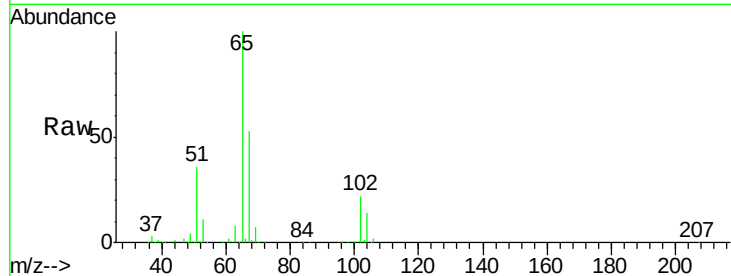




#33
 1,2-Dichloroethane-d4
 Concen: 48.986 ug/l
 RT: 6.03 min Scan# 810
 Delta R.T. -0.00 min
 Lab File: VX019832.D
 Acq: 10 Dec 2020 17:50

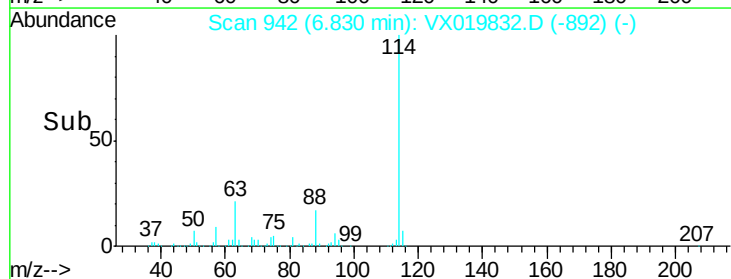
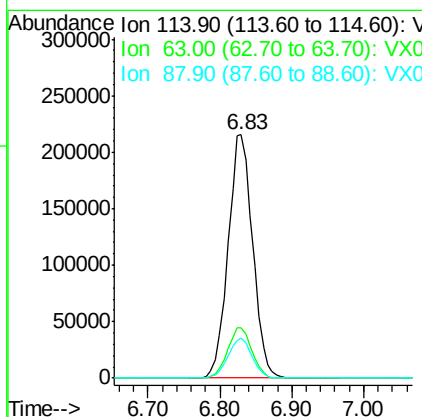
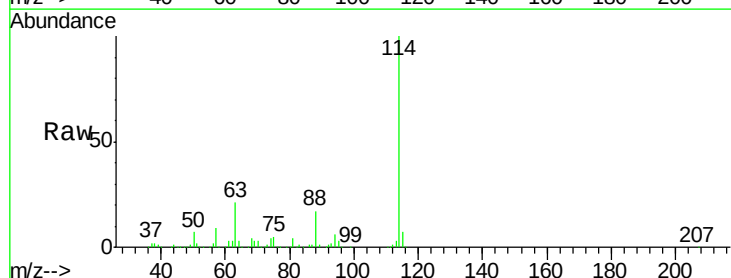
Instrument :
 MSVOA_X
 ClientSampleId :
 RE117D2-20201208

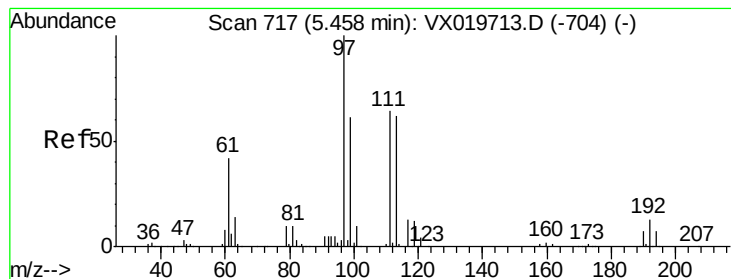
Tgt Ion: 65 Resp: 195018
 Ion Ratio Lower Upper
 65 100
 67 53.2 0.0 105.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. 0.01 min
 Lab File: VX019832.D
 Acq: 10 Dec 2020 17:50

Tgt Ion: 114 Resp: 509869
 Ion Ratio Lower Upper
 114 100
 63 20.7 0.0 40.8
 88 16.5 0.0 32.8





#35

Dibromofluoromethane

Concen: 47.958 ug/l

RT: 5.46 min Scan# 717

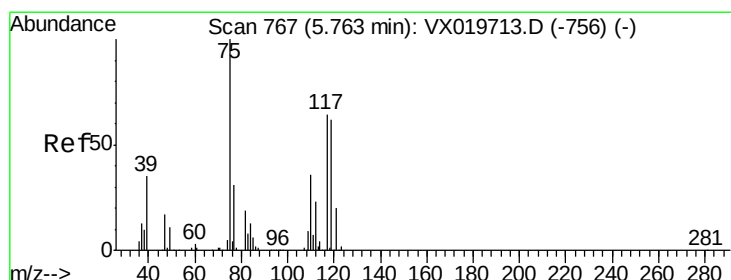
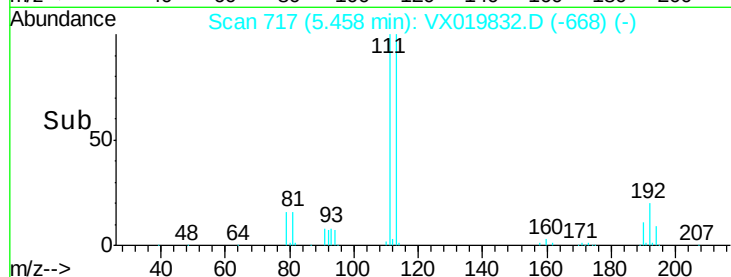
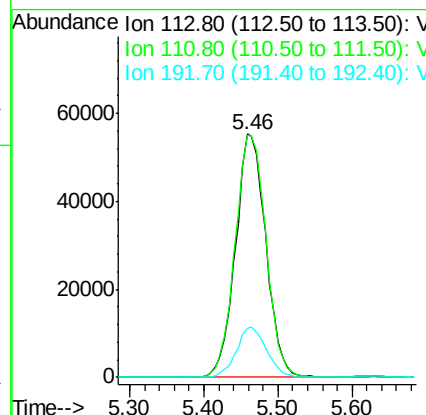
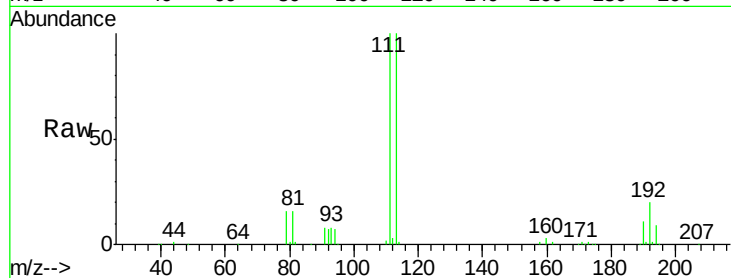
Delta R.T. -0.00 min

Lab File: VX019832.D

Acq: 10 Dec 2020 17:50

Instrument :
MSVOA_X
ClientSampleId :
RE117D2-20201208

Tgt Ion:	113	Resp:	158030
Ion	Ratio	Lower	Upper
113	100		
111	102.0	81.9	122.9
192	20.6	16.7	25.1



#36

1,1-Dichloropropene

Concen: 4.887 ug/l

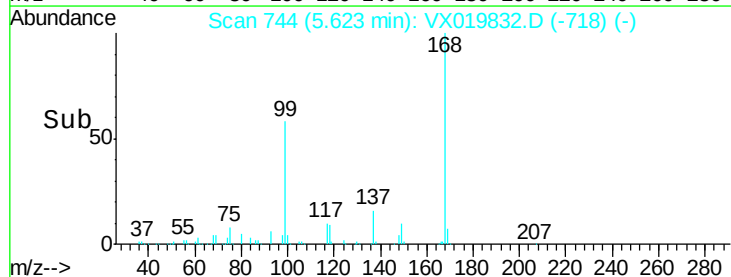
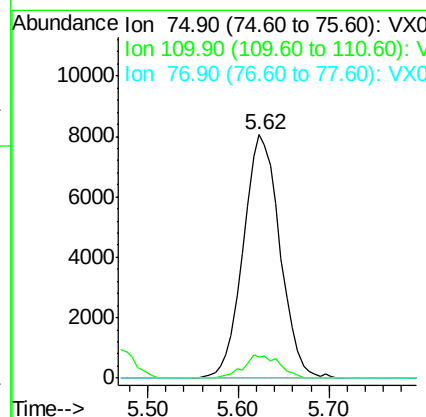
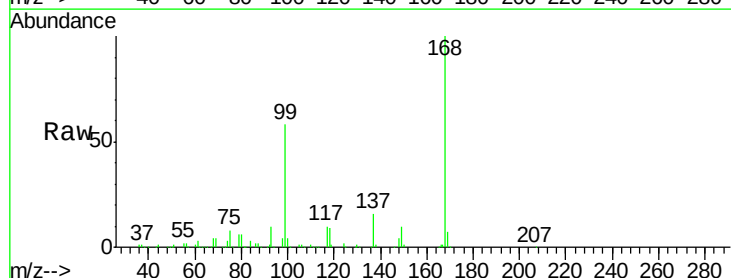
RT: 5.62 min Scan# 744

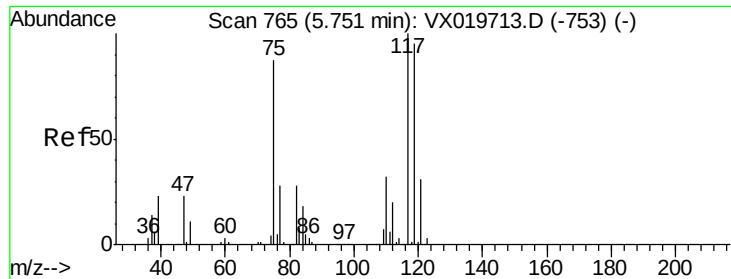
Delta R.T. -0.14 min

Lab File: VX019832.D

Acq: 10 Dec 2020 17:50

Tgt Ion:	75	Resp:	22518
Ion	Ratio	Lower	Upper
75	100		
110	9.3	18.1	54.4#
77	0.0	25.3	37.9#

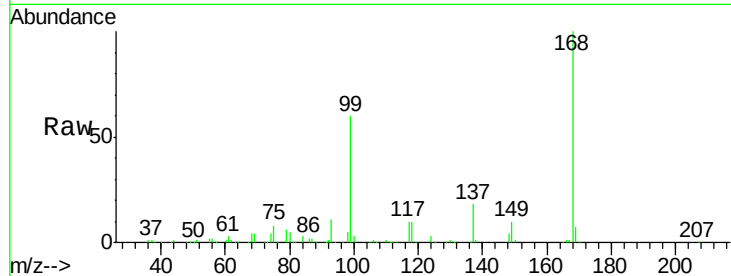




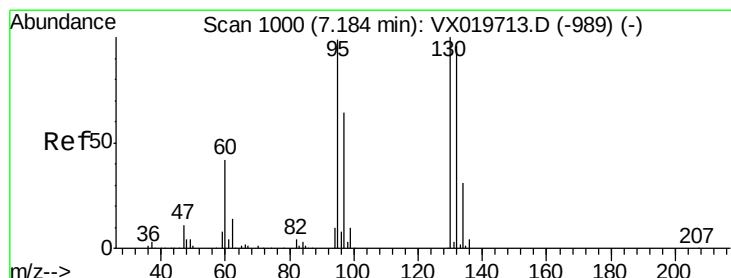
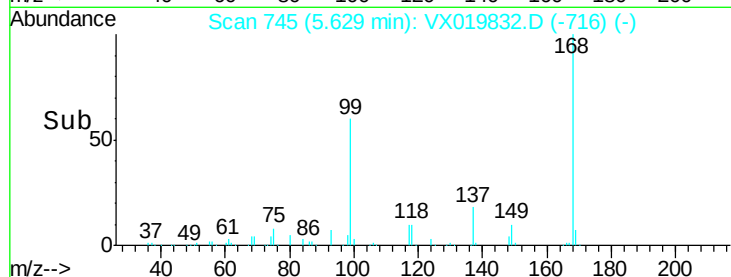
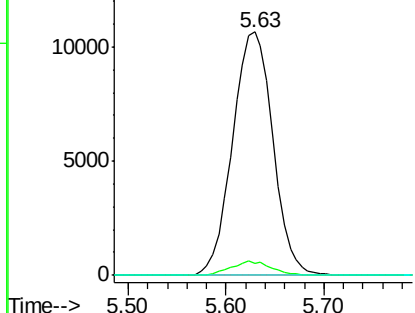
#38
Carbon Tetrachloride
Concen: 6.743 ug/l
RT: 5.63 min Scan# 745
Delta R.T. -0.12 min
Lab File: VX019832.D
Acq: 10 Dec 2020 17:50

Instrument :
MSVOA_X
ClientSampleId :
RE117D2-20201208

Tgt Ion:117 Resp: 30425
Ion Ratio Lower Upper
117 100
119 4.7 76.2 114.2#
121 0.0 24.8 37.2#

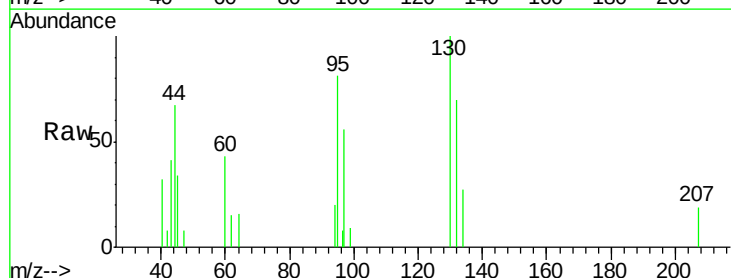


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

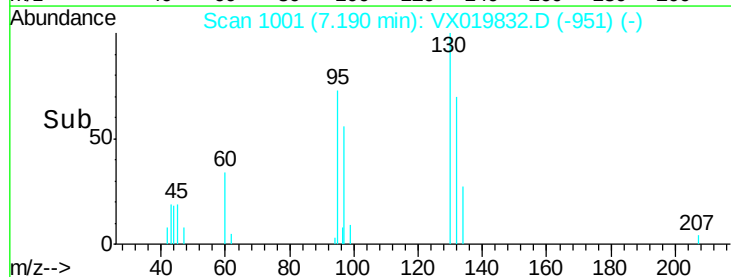
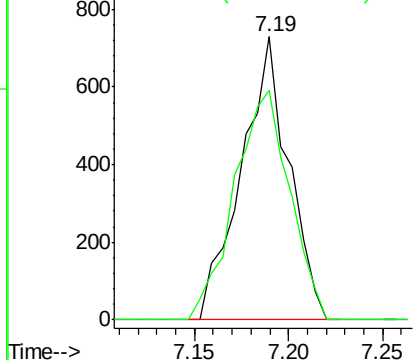


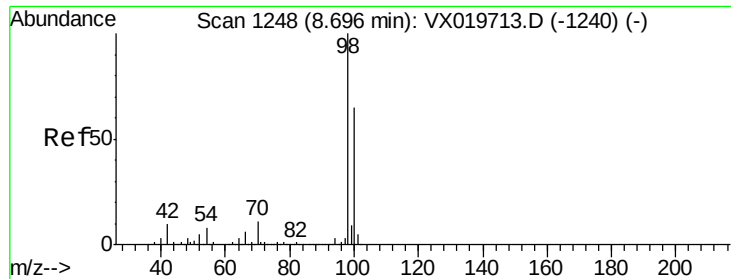
#44
Trichloroethene
Concen: 0.344 ug/l
RT: 7.19 min Scan# 1001
Delta R.T. 0.01 min
Lab File: VX019832.D
Acq: 10 Dec 2020 17:50

Tgt Ion:130 Resp: 1272
Ion Ratio Lower Upper
130 100
95 81.3 0.0 198.0



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

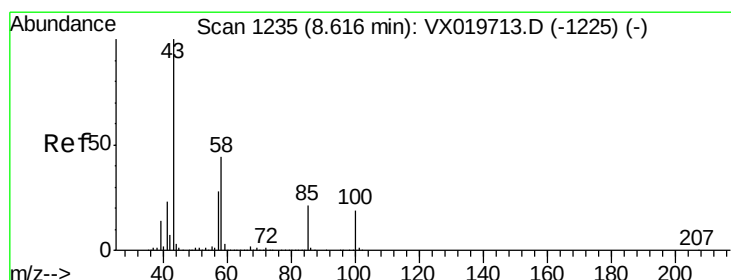
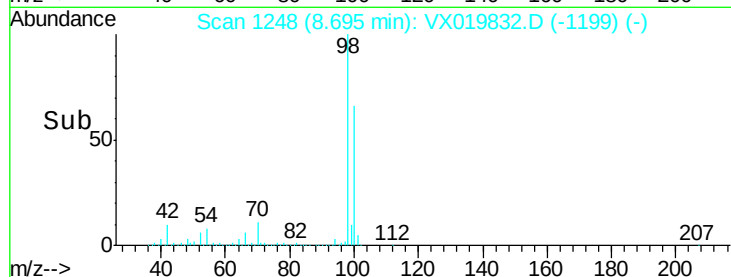
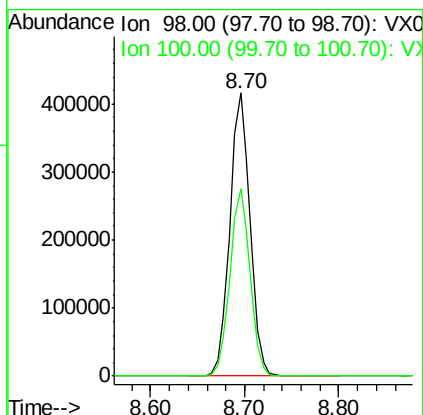
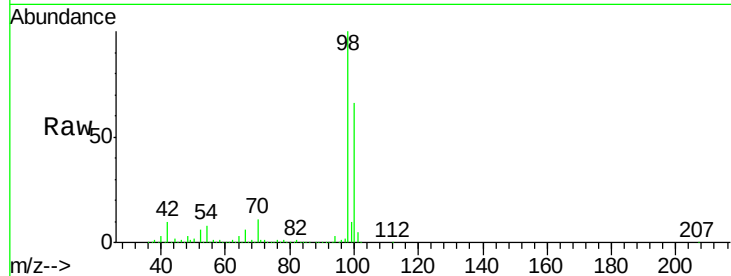




#50
Toluene-d8
Concen: 49.090 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX019832.D
Acq: 10 Dec 2020 17:50

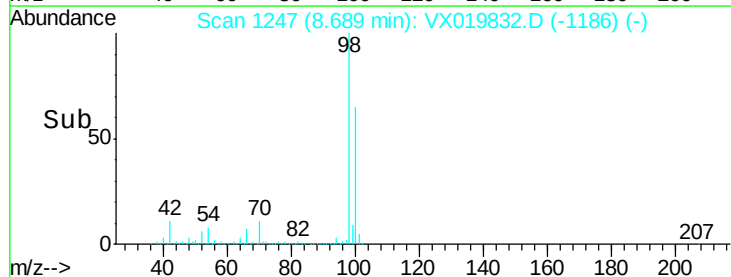
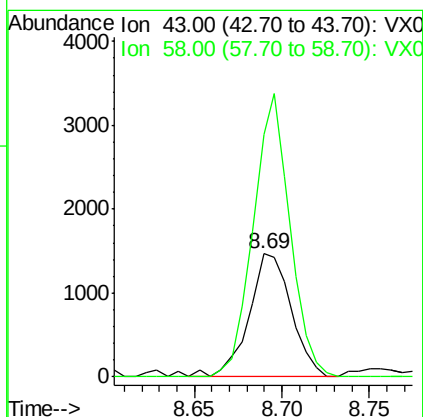
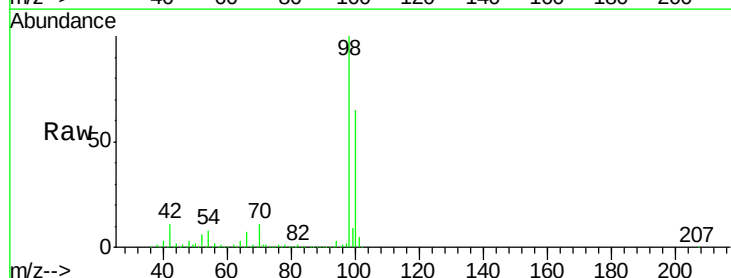
Instrument :
MSVOA_X
ClientSampleId :
RE117D2-20201208

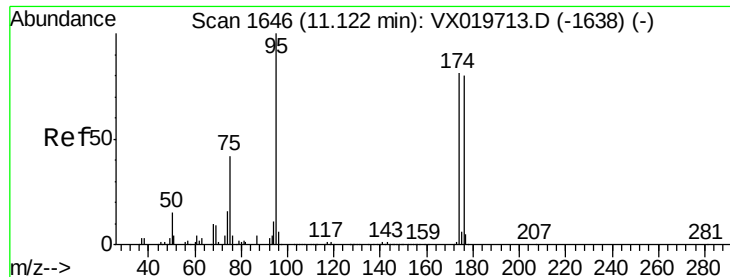
Tgt Ion: 98 Resp: 617559
Ion Ratio Lower Upper
98 100
100 65.9 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 0.534 ug/l
RT: 8.69 min Scan# 1247
Delta R.T. 0.07 min
Lab File: VX019832.D
Acq: 10 Dec 2020 17:50

Tgt Ion: 43 Resp: 2464
Ion Ratio Lower Upper
43 100
58 199.3 35.4 53.0#





#62

4-Bromofluorobenzene

Concen: 44.325 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX019832.D

Acq: 10 Dec 2020 17:50

Instrument :

MSVOA_X

ClientSampleId :

RE117D2-20201208

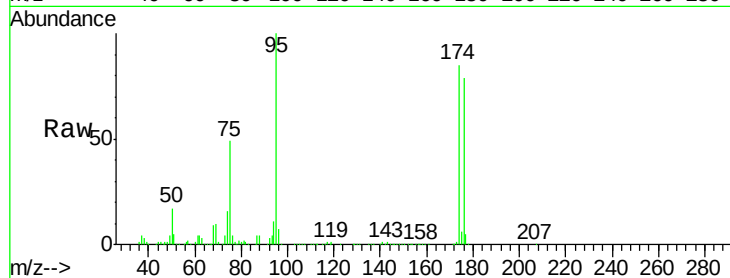
Tgt Ion: 95 Resp: 212235

Ion Ratio Lower Upper

95 100

174 78.3 0.0 154.6

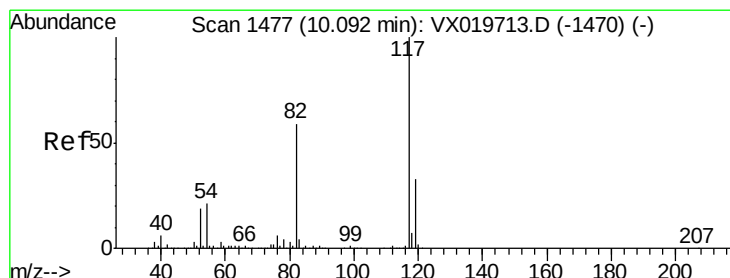
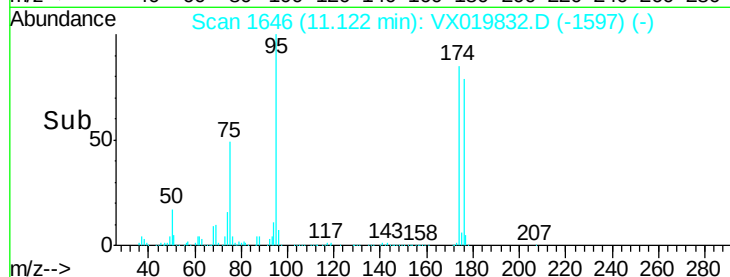
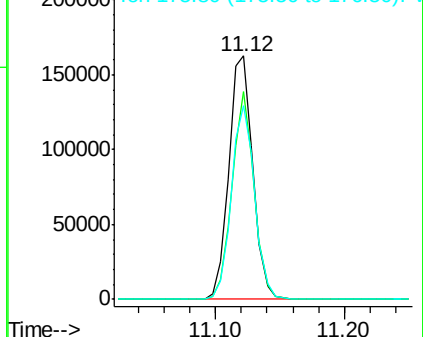
176 77.0 0.0 155.8



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) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. 0.01 min

Lab File: VX019832.D

Acq: 10 Dec 2020 17:50

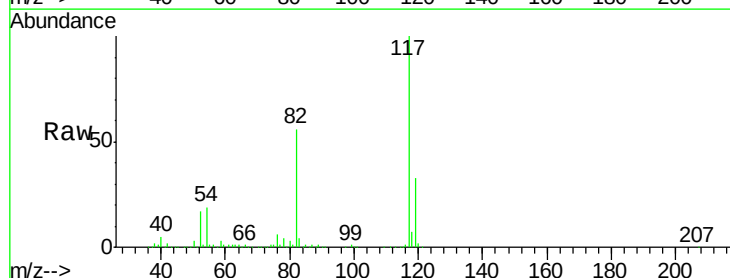
Tgt Ion: 117 Resp: 464624

Ion Ratio Lower Upper

117 100

82 55.7 47.4 71.2

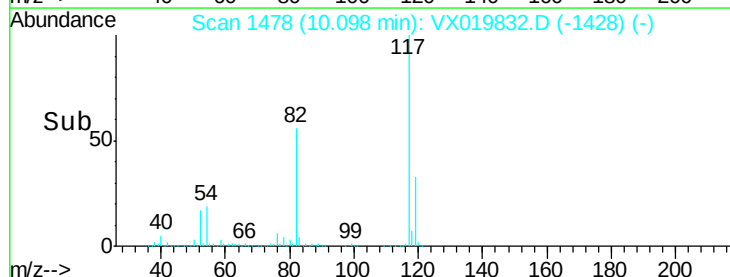
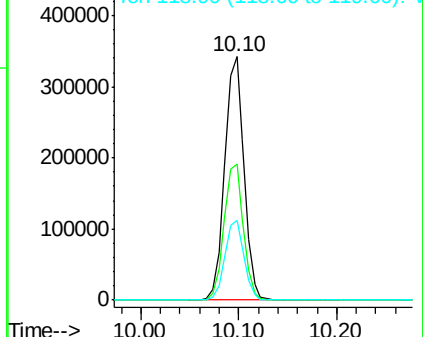
119 32.7 26.6 39.8

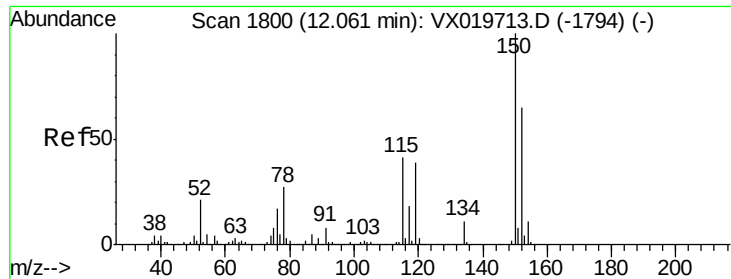


Abundance Ion 116.90 (116.60 to 117.60): VX019713.D (-1470) (-)

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

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





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX019832.D

Acq: 10 Dec 2020 17:50

Instrument :

MSVOA_X

ClientSampleId :

RE117D2-20201208

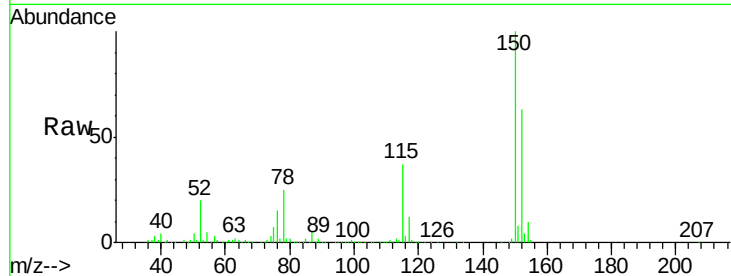
Tgt Ion:152 Resp: 201794

Ion Ratio Lower Upper

152 100

115 59.4 41.1 123.3

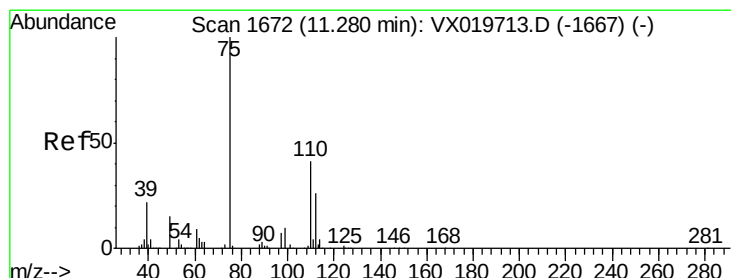
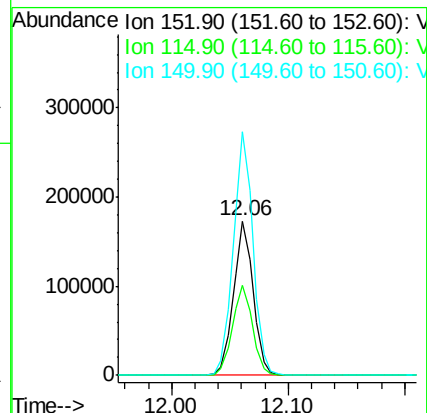
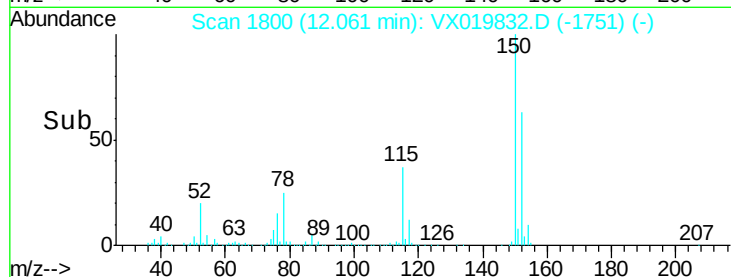
150 158.4 0.0 349.0



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: 22.882 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX019832.D

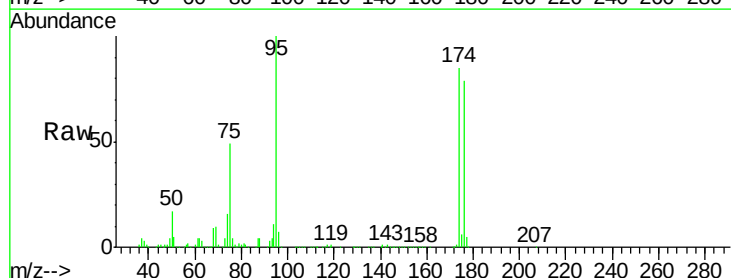
Acq: 10 Dec 2020 17:50

Tgt Ion: 75 Resp: 103560

Ion Ratio Lower Upper

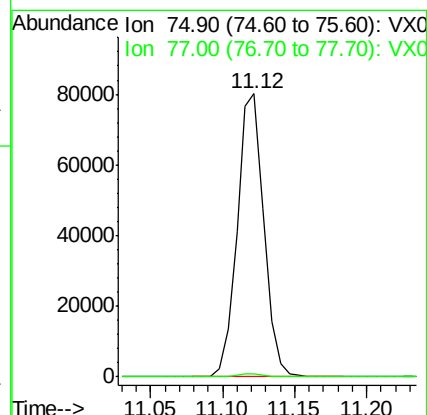
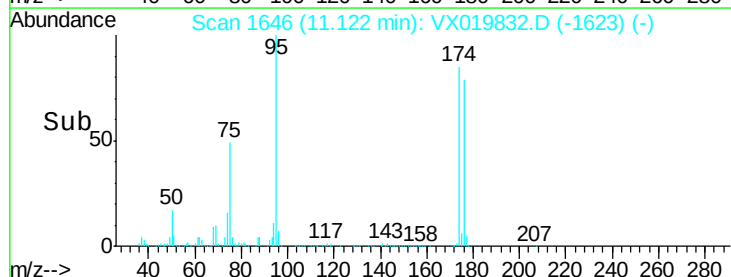
75 100

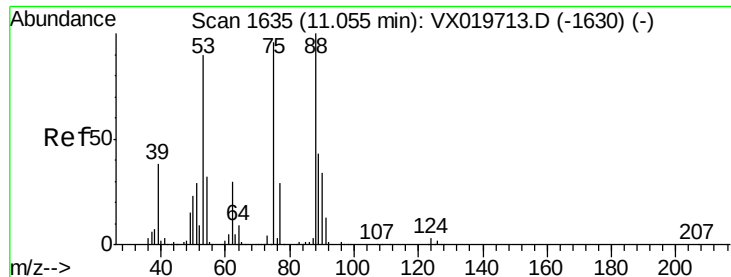
77 1.3 19.1 57.5#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 66.147 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX019832.D

Acq: 10 Dec 2020 17:50

Instrument :

MSVOA_X

ClientSampleId :

RE117D2-20201208

Tgt Ion: 75 Resp: 103560

Ion Ratio Lower Upper

75 100

53 0.1 74.5 111.7#

89 0.0 37.9 56.9#

