

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX051320\
 Data File : VX016177.D
 Acq On : 13 May 2020 14:20
 Operator : JC/SP
 Sample : L2597-09
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SS052MW271-200511

Quant Time: May 14 04:27:32 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X050420W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 06 06:43:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	287699	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	474364	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	468758	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	238843	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.04	65	174789	46.17	ug/l	0.00
Spiked Amount			Recovery	=	92.34%	
35) Dibromofluoromethane	5.47	113	139107	46.29	ug/l	0.00
Spiked Amount			Recovery	=	92.58%	
50) Toluene-d8	8.70	98	590058	50.96	ug/l	0.00
Spiked Amount			Recovery	=	101.92%	
62) 4-Bromofluorobenzene	11.12	95	235614	53.50	ug/l	0.00
Spiked Amount			Recovery	=	107.00%	

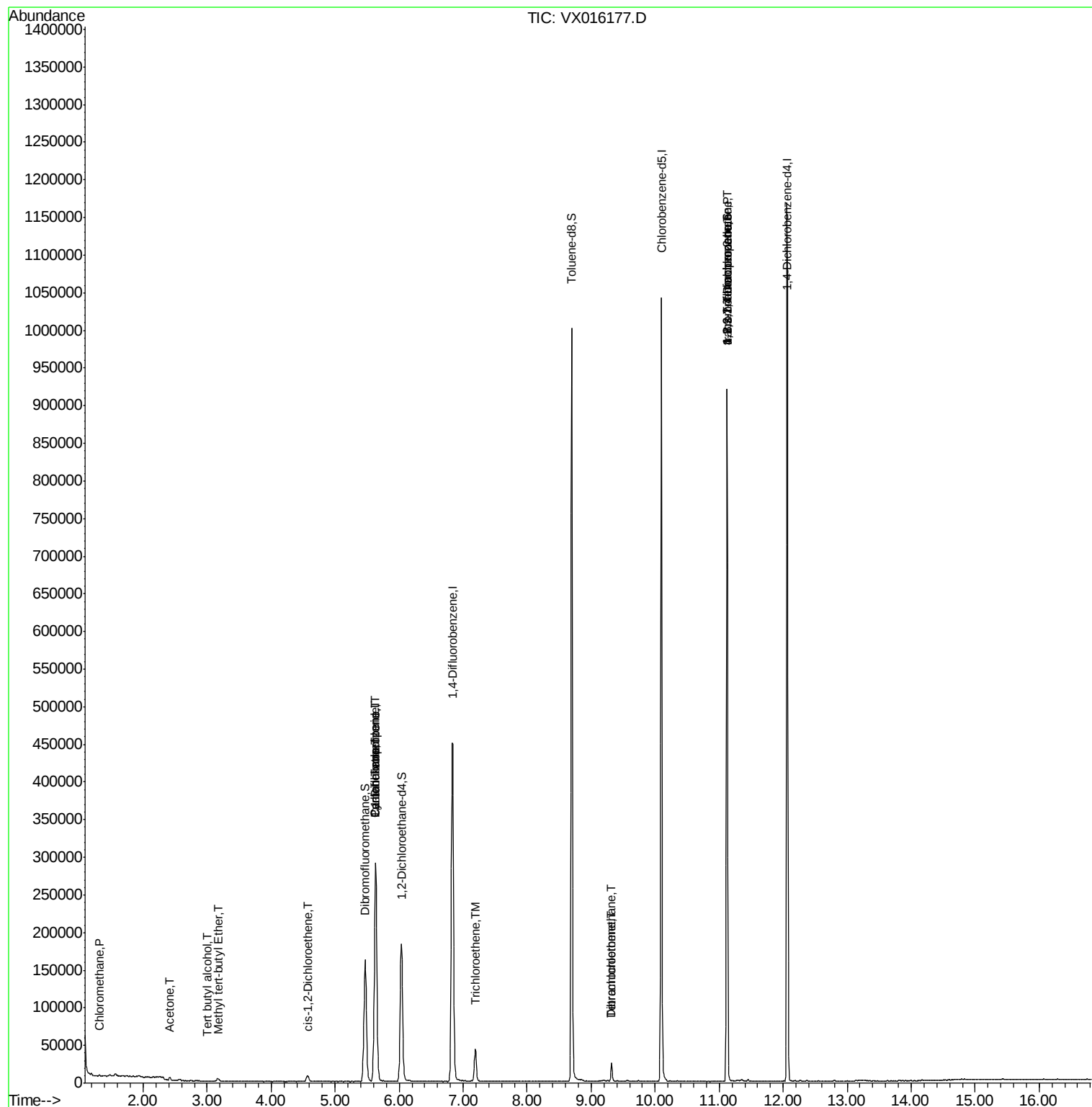
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	1099	0.311	ug/l	99
11) Tert butyl alcohol	3.01	59	516	0.539	ug/l #	72
16) Acetone	2.42	43	4211	2.493	ug/l	98
17) Carbon Disulfide	2.55	76	1198	Below Cal	#	79
19) Methyl tert-butyl Ether	3.17	73	3734	0.362	ug/l	92
27) cis-1,2-Dichloroethene	4.57	96	5050	1.386	ug/l	83
31) Cyclohexane	5.64	56	5407	1.028	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	20767	4.447	ug/l #	50
38) Carbon Tetrachloride	5.63	117	27790	5.855	ug/l #	15
44) Trichloroethene	7.19	130	16126	3.322	ug/l	100
60) Dibromochloromethane	9.32	129	4682	1.269	ug/l #	11
64) Tetrachloroethene	9.32	164	4689	0.815	ug/l	91
75) 1,1,2,2-Tetrachloroethane	11.12	83	217	2.116	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	115916	21.387	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	115916	50.967	ug/l #	13

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

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QLast Update : Wed May 06 06:43:32 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: VX016177.D

Acq: 13 May 2020 14:20

Instrument :

MSVOA_X

ClientSampleId :

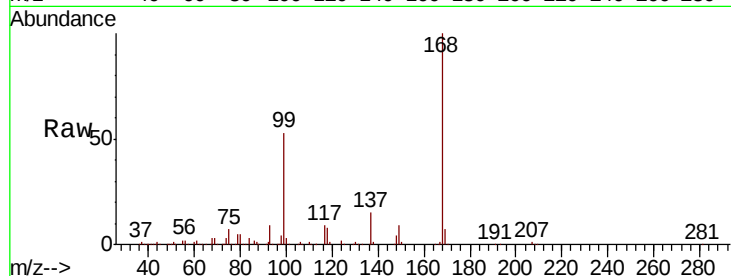
SS052MW271-200511

Tot Ion:168 Resp: 287699

Ion Ratio Lower Upper

168 100

99 52.9 45.0 67.4



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

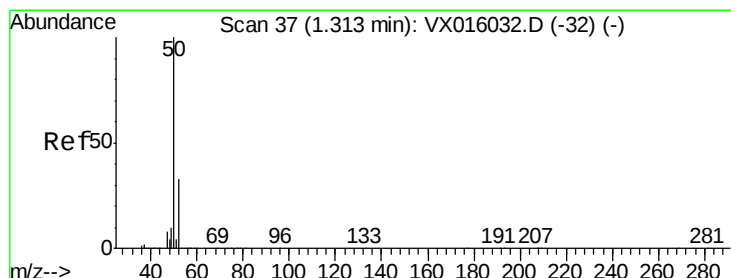
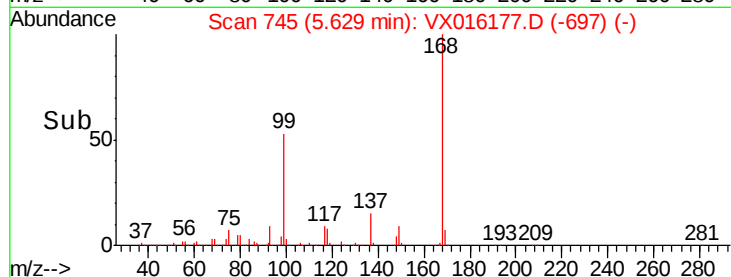
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.311 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX016177.D

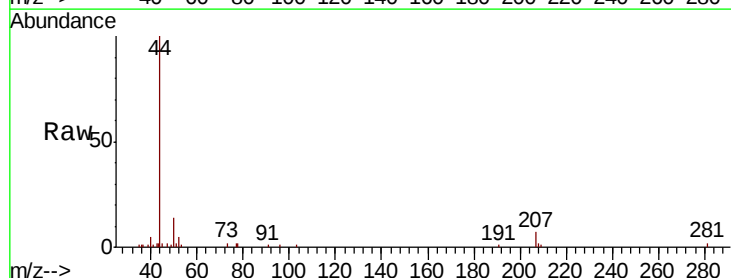
Acq: 13 May 2020 14:20

Tgt Ion: 50 Resp: 1099

Ion Ratio Lower Upper

50 100

52 32.1 26.1 39.1



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.31

1000

800

600

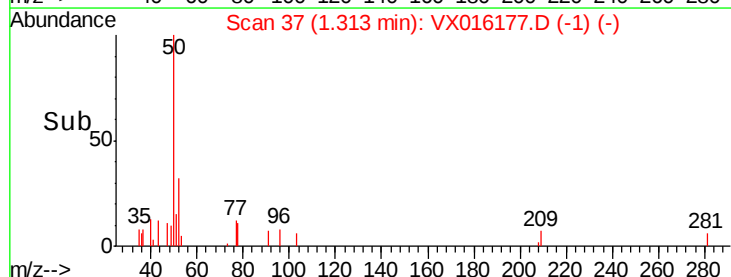
400

200

0

Time-->

1.30 1.35



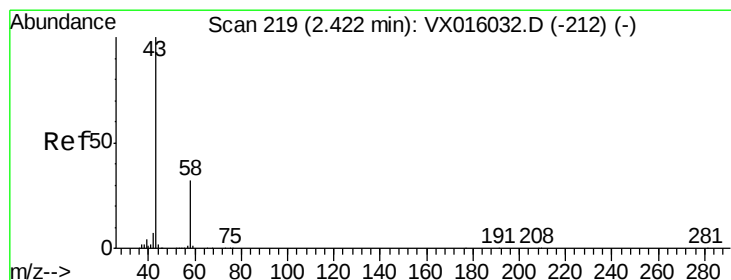
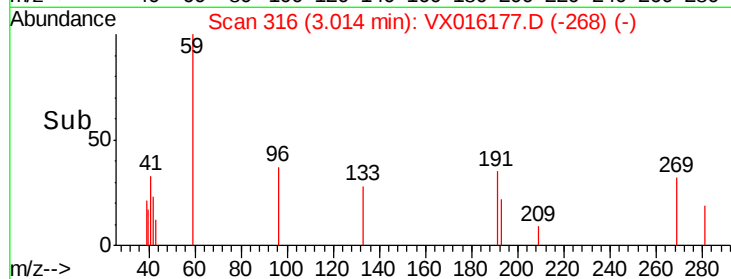
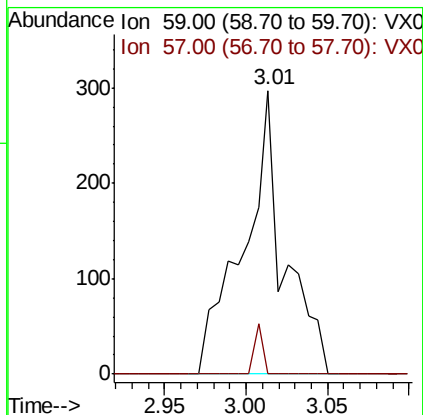
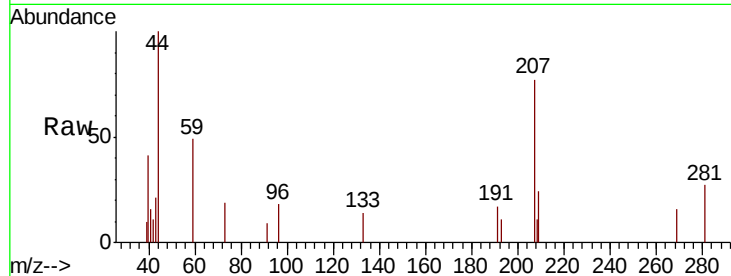


#11

Tert butyl alcohol
 Concen: 0.539 ug/l
 RT: 3.01 min Scan# 316
 Delta R.T. -0.01 min
 Lab File: VX016177.D
 Acq: 13 May 2020 14:20

Instrument :
 MSVOA_X
 ClientSampleId :
 SS052MW271-200511

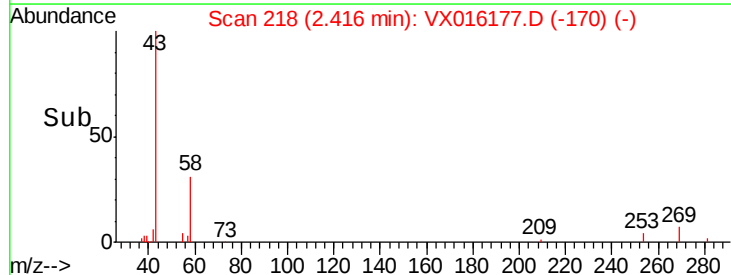
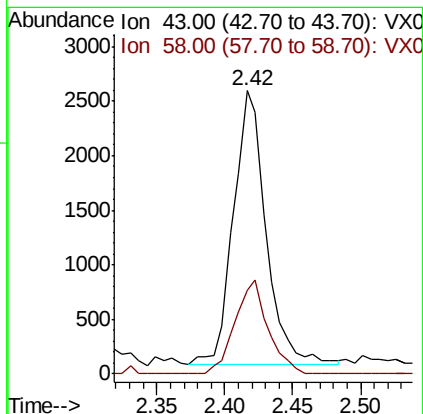
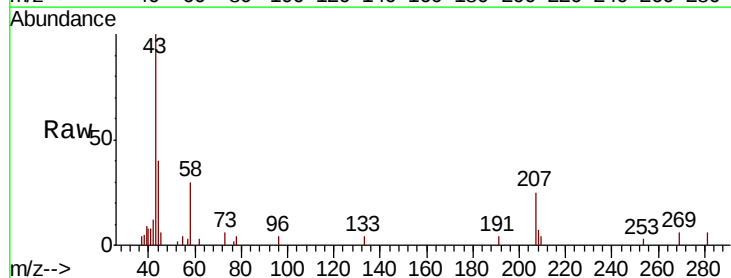
Tot Ion: 59 Resp: 516
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.2 12.4#

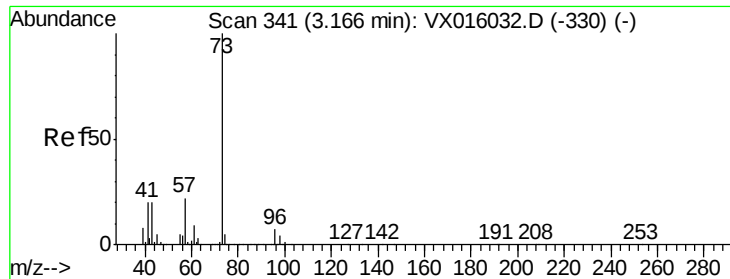


#16

Acetone
 Concen: 2.493 ug/l
 RT: 2.42 min Scan# 218
 Delta R.T. -0.01 min
 Lab File: VX016177.D
 Acq: 13 May 2020 14:20

Tgt Ion: 43 Resp: 4211
 Ion Ratio Lower Upper
 43 100
 58 30.5 25.4 38.0



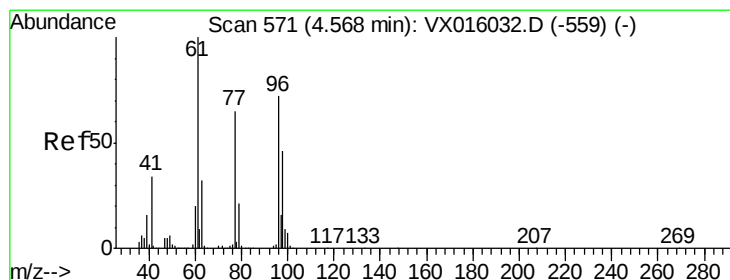
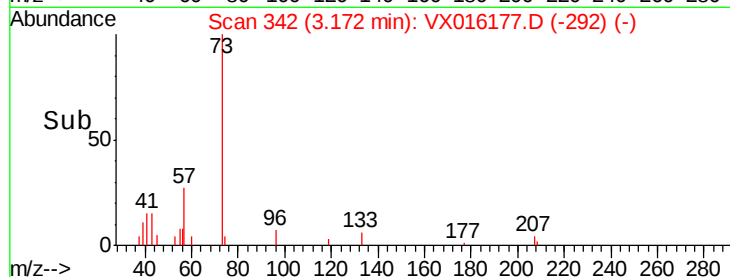
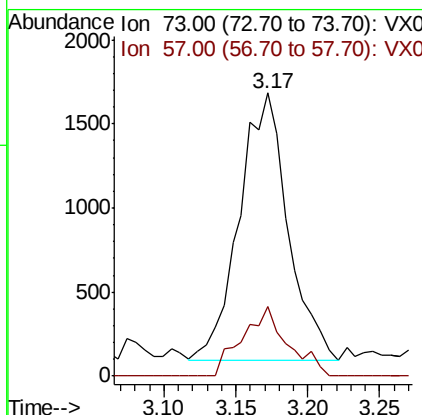
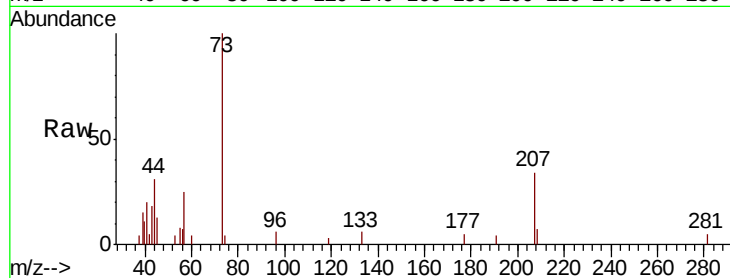


#19

Methyl tert-butyl Ether
 Concen: 0.362 ug/l
 RT: 3.17 min Scan# 342
 Delta R.T. 0.01 min
 Lab File: VX016177.D
 Acq: 13 May 2020 14:20

Instrument :
 MSVOA_X
 ClientSampleId :
 SS052MW271-200511

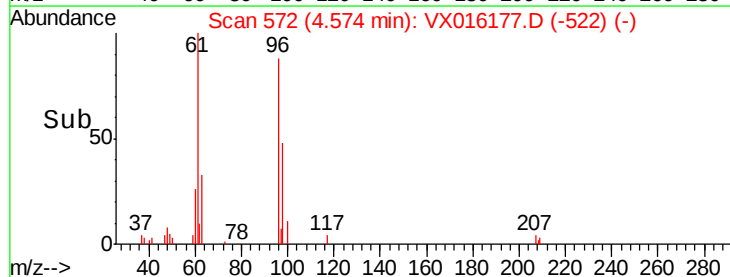
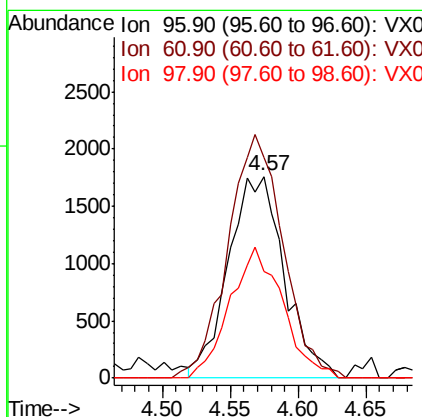
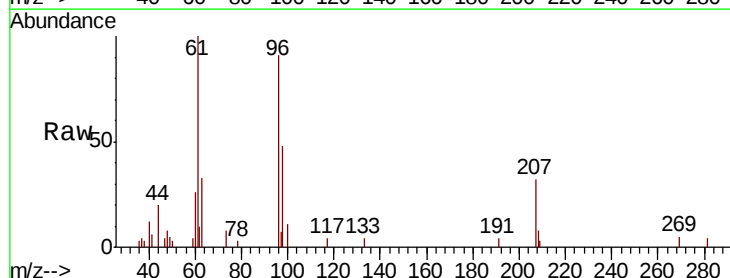
Tot Ion: 73 Resp: 3734
 Ion Ratio Lower Upper
 73 100
 57 26.2 17.8 26.6

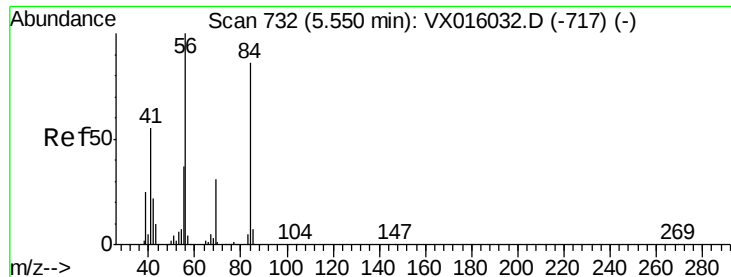


#27

cis-1,2-Dichloroethene
 Concen: 1.386 ug/l
 RT: 4.57 min Scan# 572
 Delta R.T. 0.01 min
 Lab File: VX016177.D
 Acq: 13 May 2020 14:20

Tgt Ion: 96 Resp: 5050
 Ion Ratio Lower Upper
 96 100
 61 119.4 0.0 296.2
 98 61.5 0.0 129.4

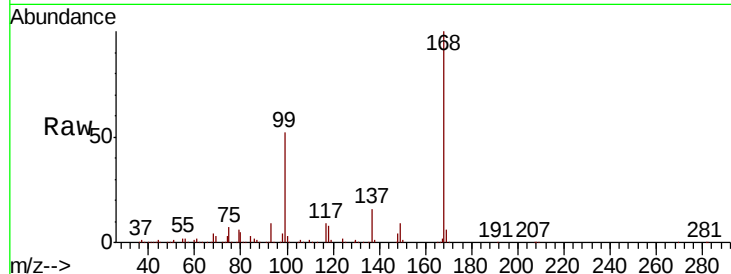




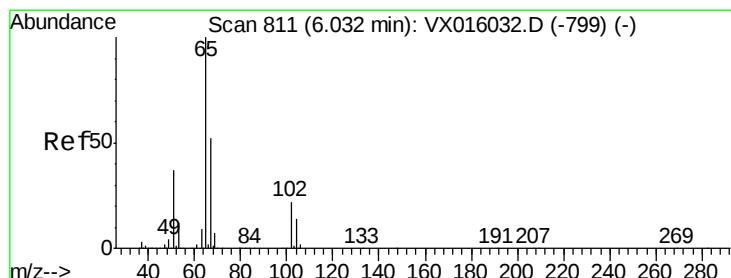
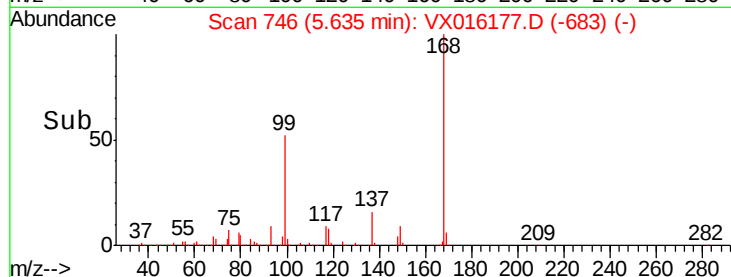
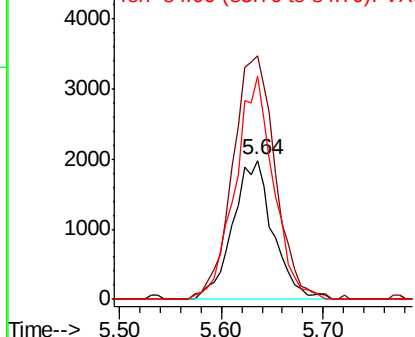
#31
Cyclohexane
Concen: 1.028 ug/l
RT: 5.64 min Scan# 746
Delta R.T. 0.09 min
Lab File: VX016177.D
Acq: 13 May 2020 14:20

Instrument :
MSVOA_X
ClientSampleId :
SS052MW271-200511

Tot Ion: 56 Resp: 5407
Ion Ratio Lower Upper
56 100
69 175.5 25.0 37.6#
84 160.5 69.0 103.6#

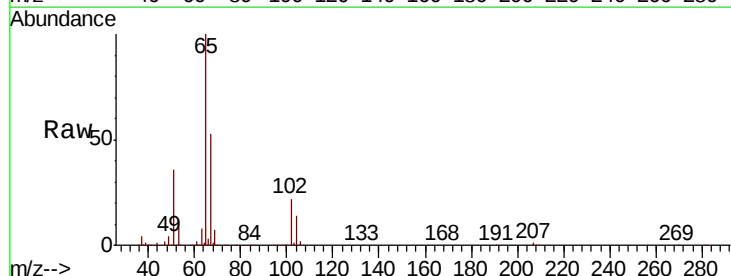


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

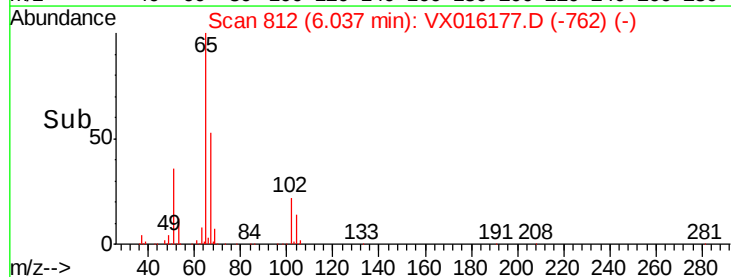
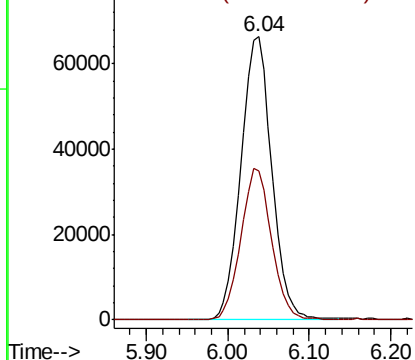


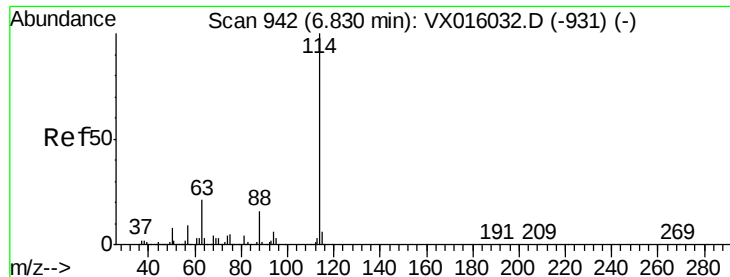
#33
1,2-Dichloroethane-d4
Concen: 46.169 ug/l
RT: 6.04 min Scan# 812
Delta R.T. 0.01 min
Lab File: VX016177.D
Acq: 13 May 2020 14:20

Tgt Ion: 65 Resp: 174789
Ion Ratio Lower Upper
65 100
67 53.1 0.0 104.8



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: 6.84 min Scan# 943

Delta R.T. 0.01 min

Lab File: VX016177.D

Acq: 13 May 2020 14:20

Instrument :

MSVOA_X

ClientSampleId :

SS052MW271-200511

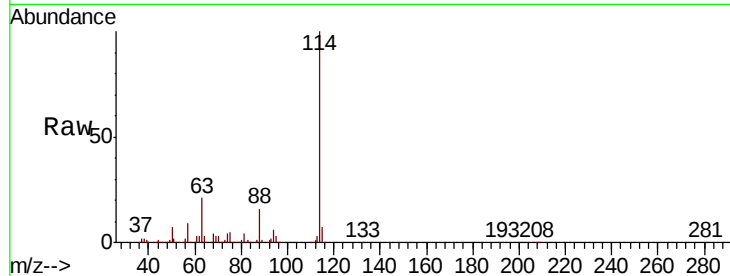
Tot Ion:114 Resp: 474364

Ion Ratio Lower Upper

114 100

63 20.6 0.0 42.8

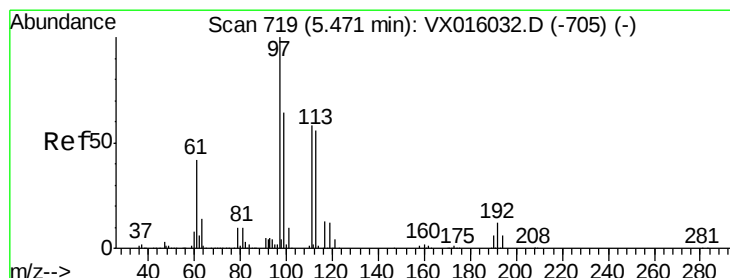
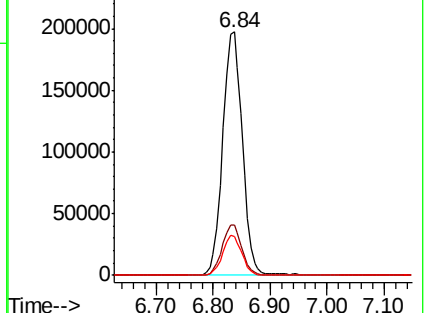
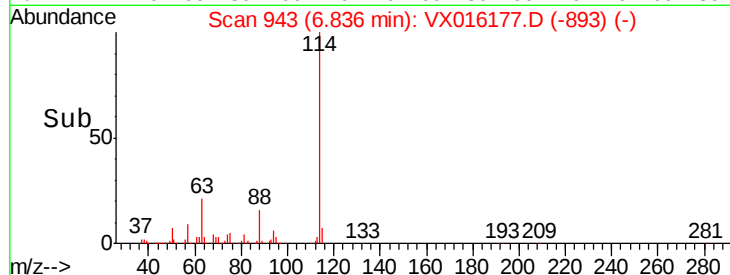
88 15.9 0.0 31.4



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: 46.287 ug/l

RT: 5.47 min Scan# 719

Delta R.T. -0.00 min

Lab File: VX016177.D

Acq: 13 May 2020 14:20

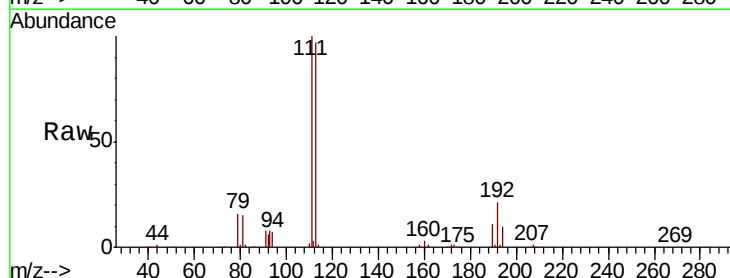
Tgt Ion:113 Resp: 139107

Ion Ratio Lower Upper

113 100

111 103.2 81.6 122.4

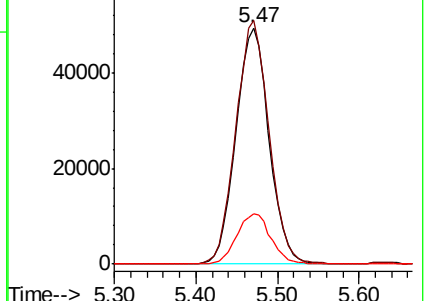
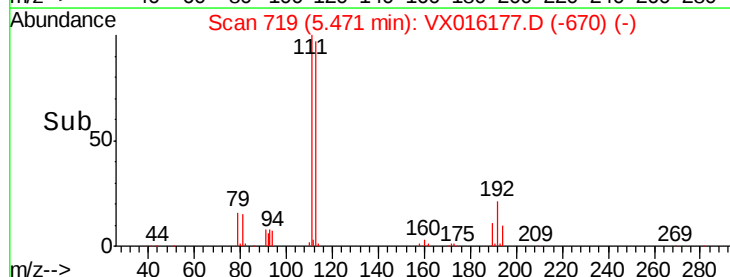
192 21.8 17.0 25.4

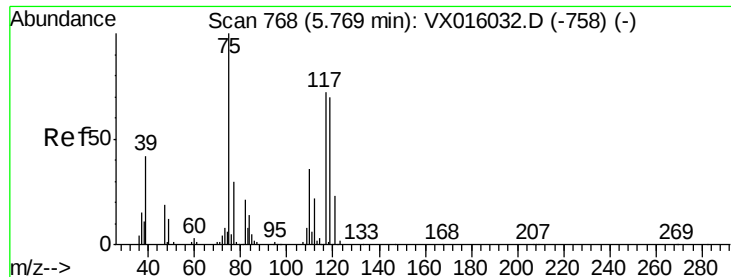


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.447 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX016177.D

Acq: 13 May 2020 14:20

Instrument :

MSVOA_X

ClientSampleId :

SS052MW271-200511

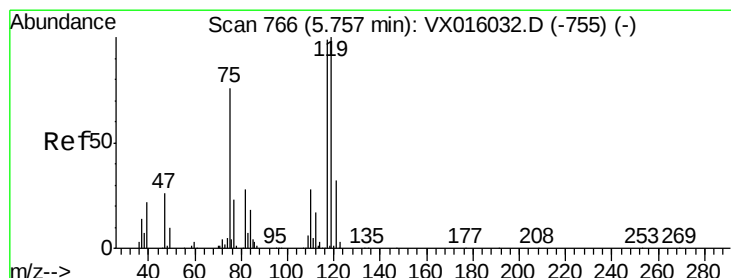
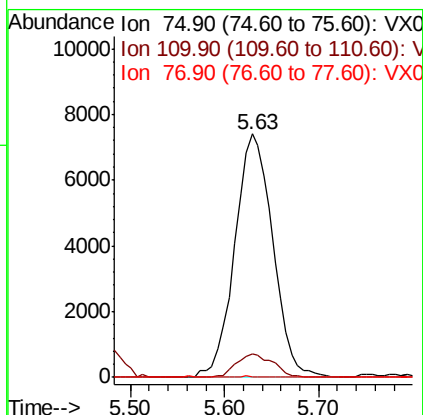
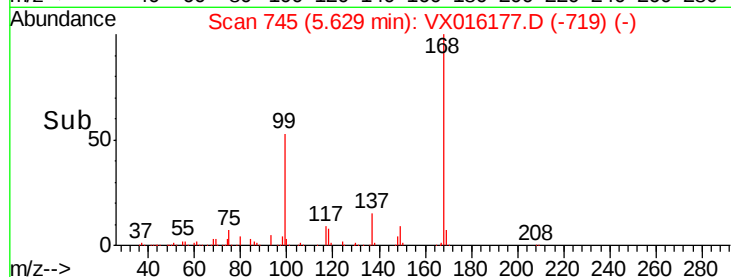
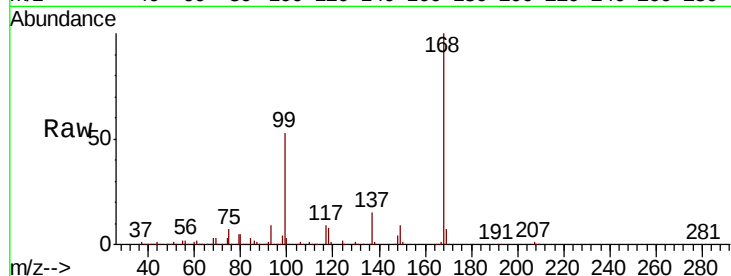
Tot Ion: 75 Resp: 20767

Ion Ratio Lower Upper

75 100

110 9.5 18.1 54.1#

77 0.1 25.0 37.6#



#38

Carbon Tetrachloride

Concen: 5.855 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.13 min

Lab File: VX016177.D

Acq: 13 May 2020 14:20

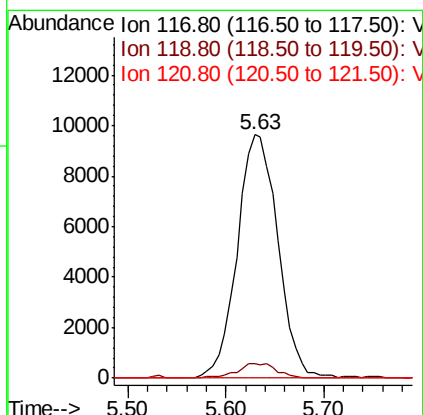
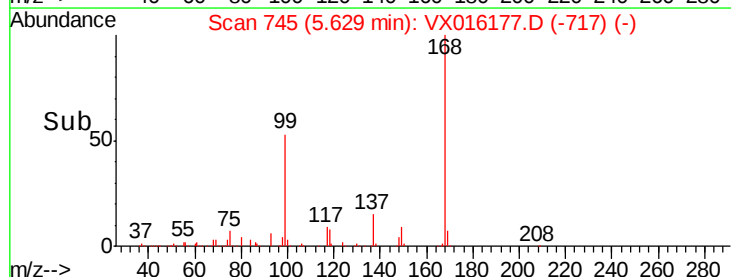
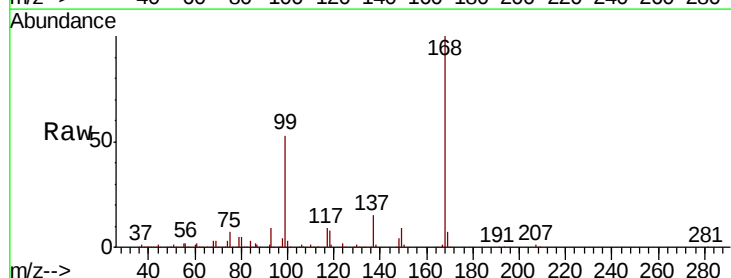
Tgt Ion: 117 Resp: 27790

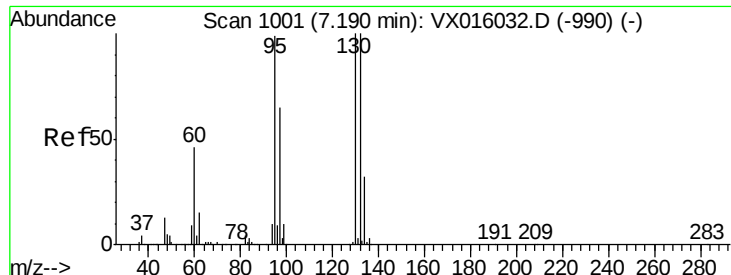
Ion Ratio Lower Upper

117 100

119 6.1 80.3 120.5#

121 0.0 25.7 38.5#





#44

Trichloroethene

Concen: 3.322 ug/l

RT: 7.19 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VX016177.D

Acq: 13 May 2020 14:20

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MSVOA_X

ClientSampleId :

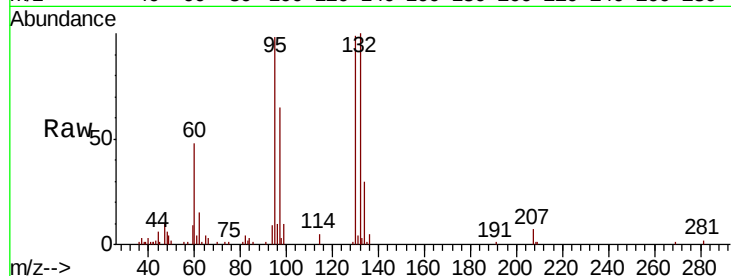
SS052MW271-200511

Tot Ion:130 Resp: 16126

Ion Ratio Lower Upper

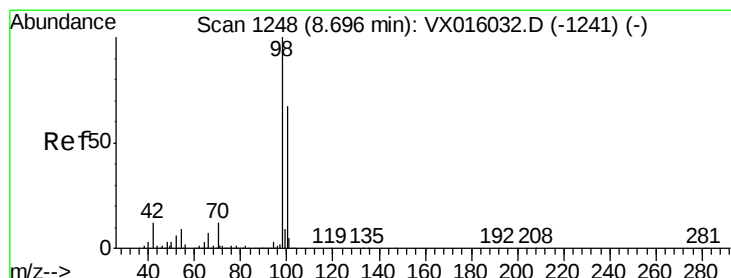
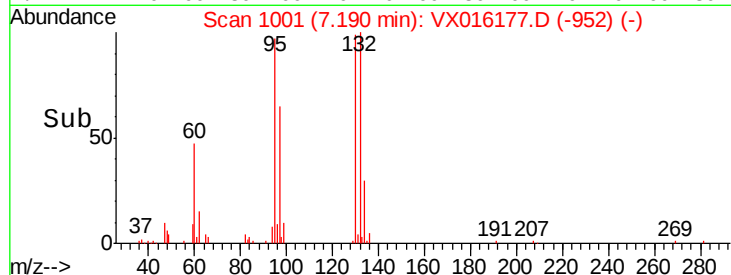
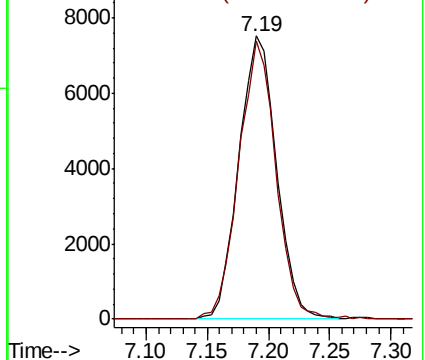
130 100

95 98.5 0.0 197.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#50

Toluene-d8

Concen: 50.957 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX016177.D

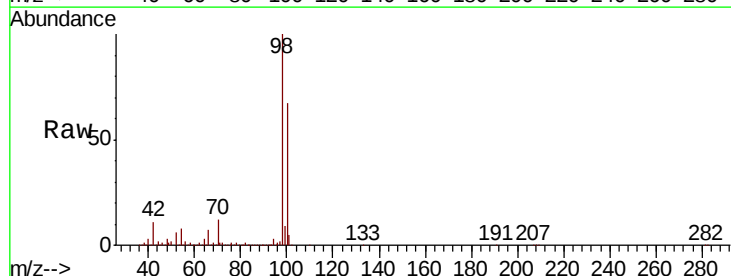
Acq: 13 May 2020 14:20

Tgt Ion: 98 Resp: 590058

Ion Ratio Lower Upper

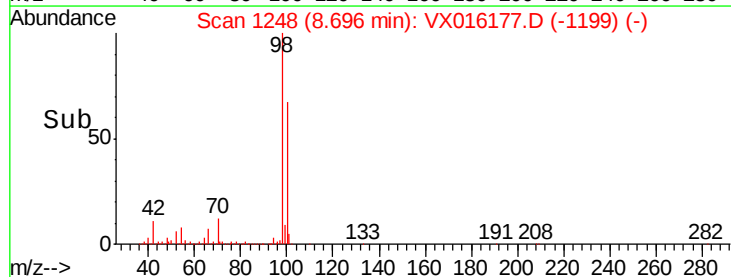
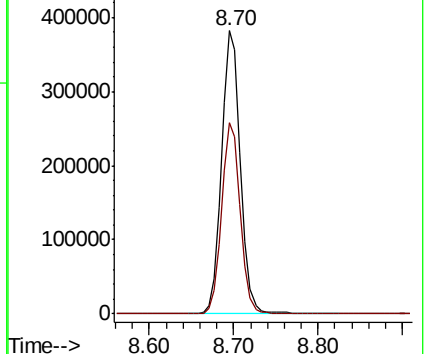
98 100

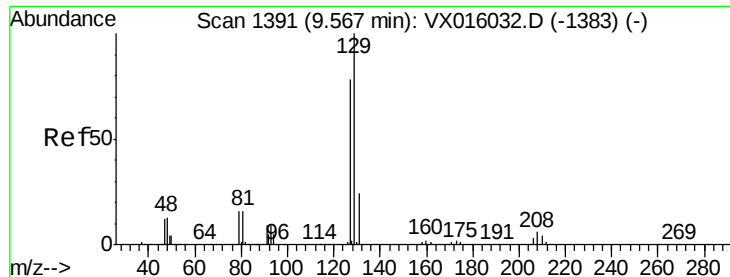
100 66.9 53.7 80.5



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#60

Dibromochloromethane

Concen: 1.269 ug/l

RT: 9.32 min Scan# 1350

Delta R.T. -0.25 min

Lab File: VX016177.D

Acq: 13 May 2020 14:20

Instrument :

MSVOA_X

ClientSampleId :

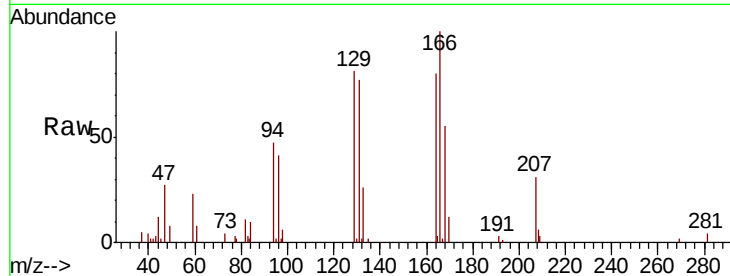
SS052MW271-200511

Tot Ion:129 Resp: 4682

Ion Ratio Lower Upper

129 100

127 0.0 38.4 115.2#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

9.32

3000

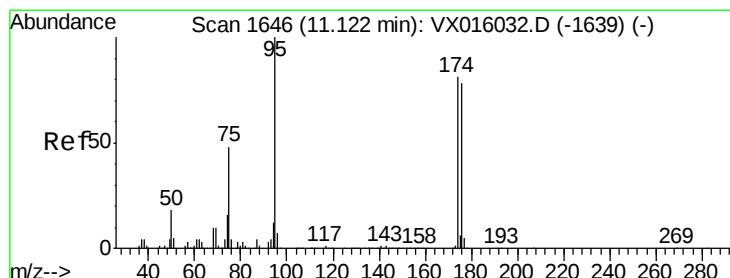
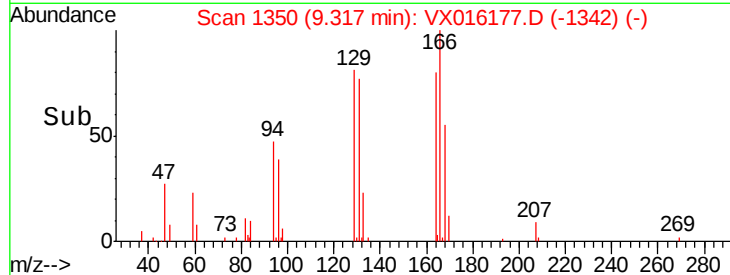
2000

1000

0

9.30 9.35

Time-->



#62

4-Bromofluorobenzene

Concen: 53.496 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016177.D

Acq: 13 May 2020 14:20

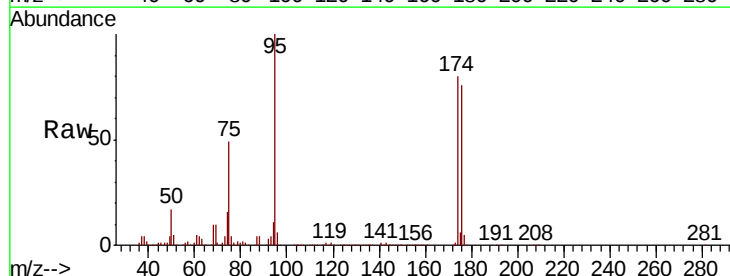
Tgt Ion: 95 Resp: 235614

Ion Ratio Lower Upper

95 100

174 81.4 0.0 159.4

176 80.4 0.0 157.6



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

250000

200000

150000

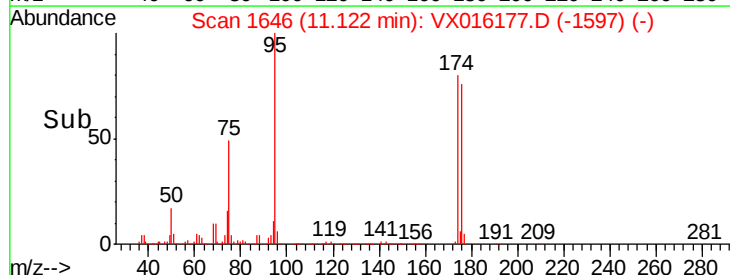
100000

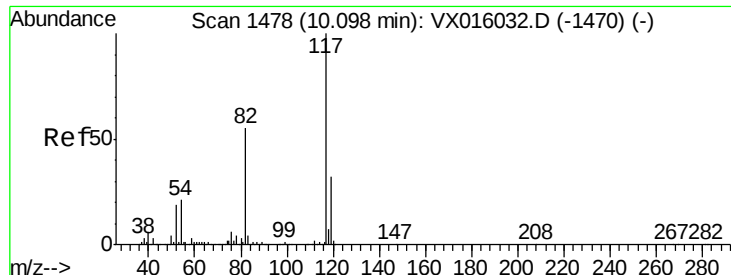
50000

0

11.10 11.20

Time-->

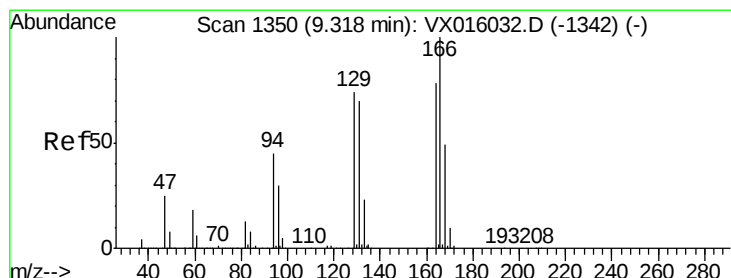
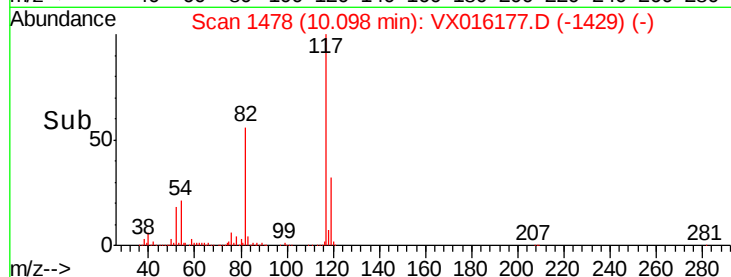
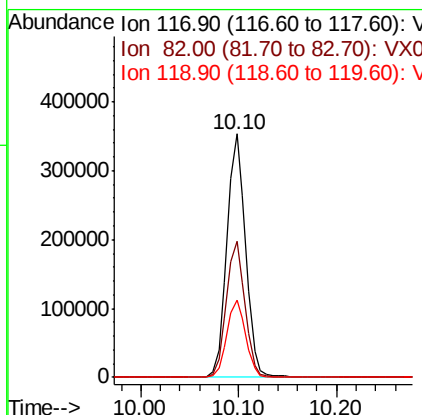
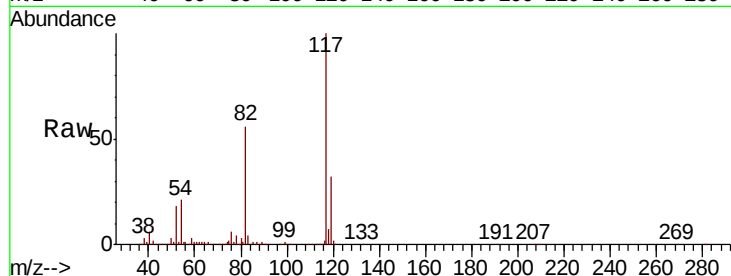




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX016177.D
Acq: 13 May 2020 14:20

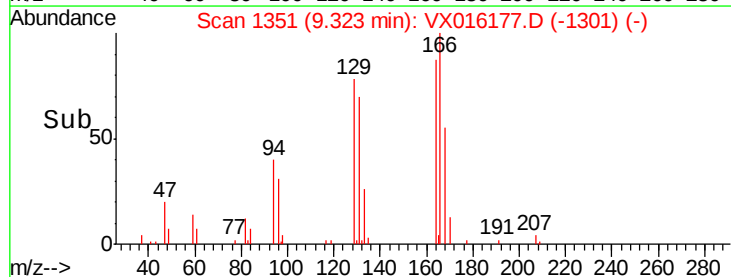
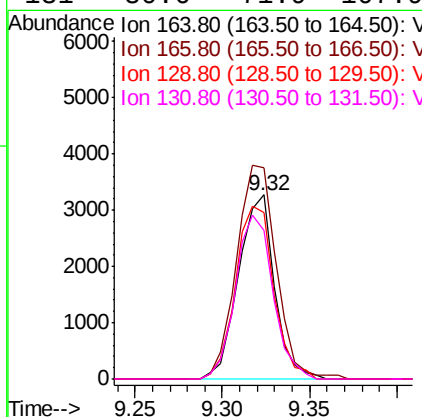
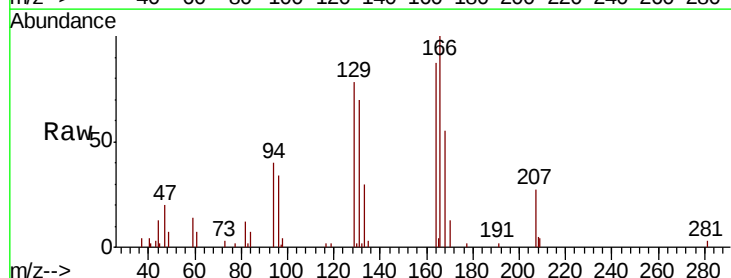
Instrument :
MSVOA_X
ClientSampleId :
SS052MW271-200511

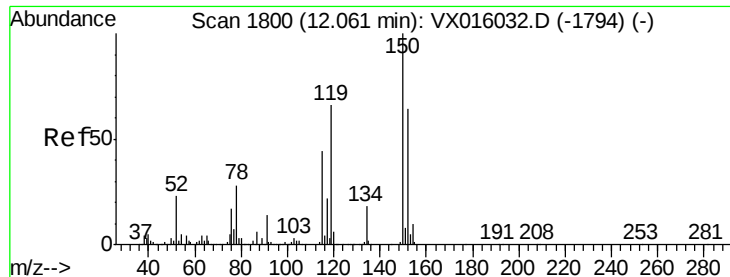
Tot Ion	Ratio	Lower	Upper
117	100		
82	55.8	44.4	66.6
119	31.7	25.5	38.3



#64
Tetrachloroethene
Concen: 0.815 ug/l
RT: 9.32 min Scan# 1351
Delta R.T. 0.01 min
Lab File: VX016177.D
Acq: 13 May 2020 14:20

Tgt Ion	Ratio	Lower	Upper
164	100		
166	115.0	102.9	154.3
129	90.3	76.1	114.1
131	80.6	71.9	107.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1801

Delta R.T. 0.01 min

Lab File: VX016177.D

Acq: 13 May 2020 14:20

Instrument :

MSVOA_X

ClientSampleId :

SS052MW271-200511

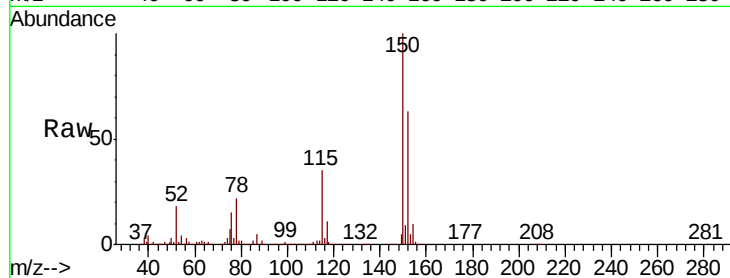
Tot Ion:152 Resp: 238843

Ion Ratio Lower Upper

152 100

115 59.2 41.3 124.1

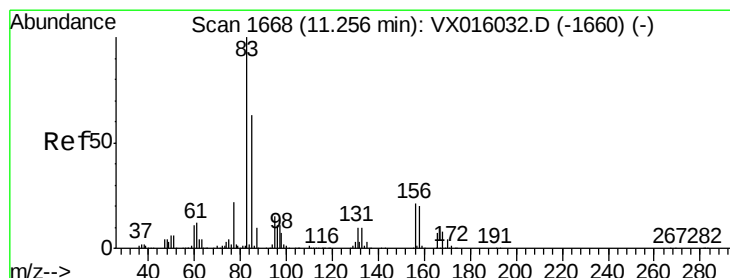
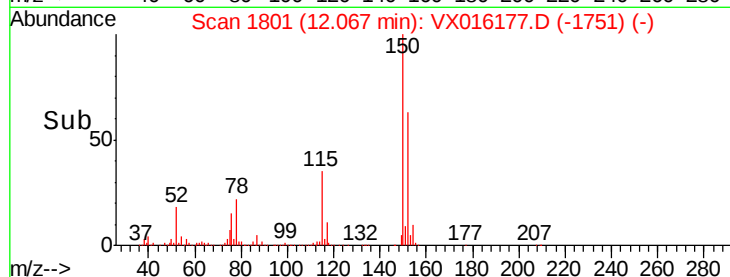
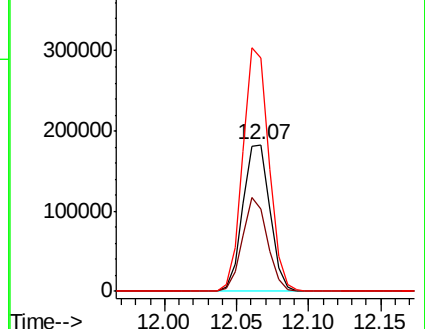
150 159.7 0.0 352.2



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



#75

1,1,2,2-Tetrachloroethane

Concen: 2.116 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.13 min

Lab File: VX016177.D

Acq: 13 May 2020 14:20

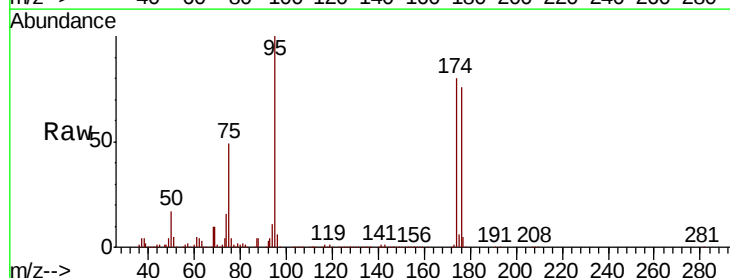
Tgt Ion: 83 Resp: 217

Ion Ratio Lower Upper

83 100

131 156.7 5.1 15.4#

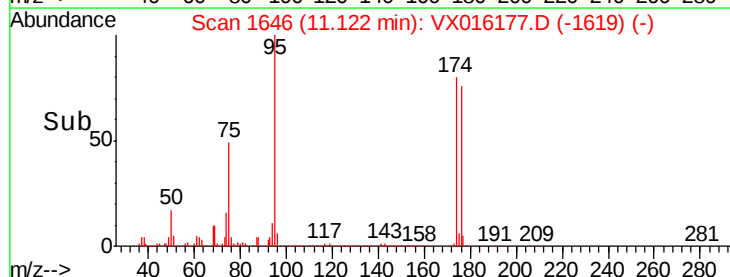
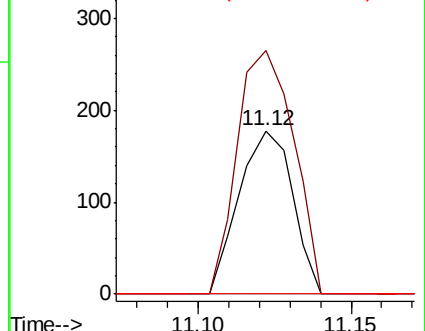
85 0.0 32.0 96.0#

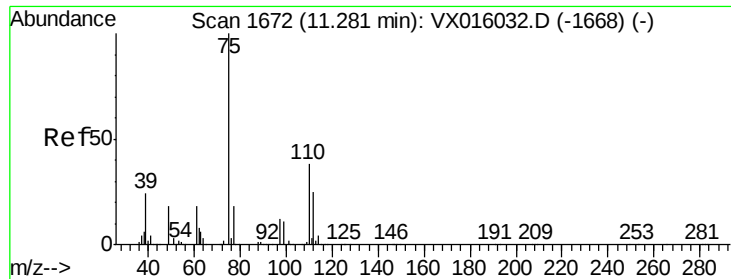


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0

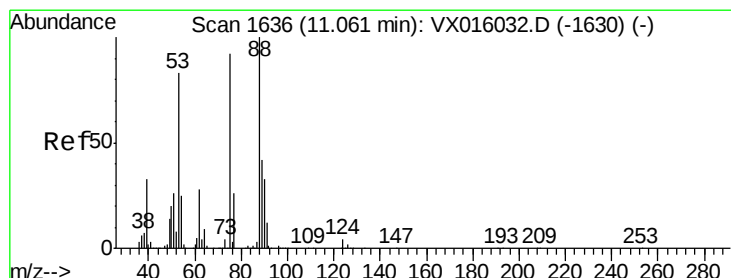
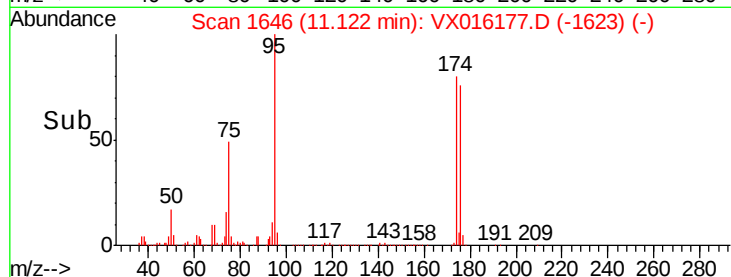
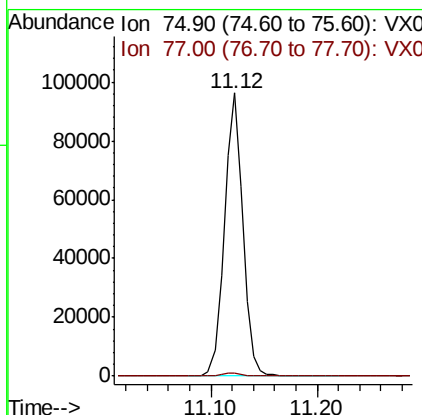
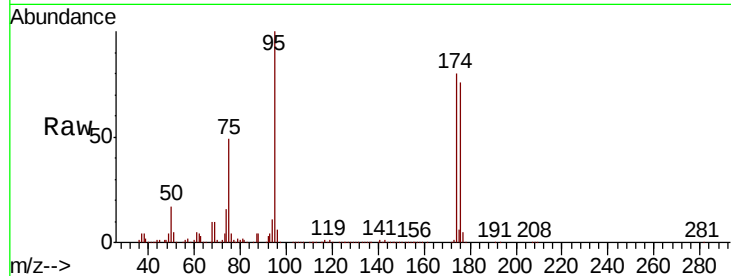




#76
 1,2,3-Trichloropropane
 Concen: 21.387 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. -0.16 min
 Lab File: VX016177.D
 Acq: 13 May 2020 14:20

Instrument :
 MSVOA_X
 ClientSampleId :
 SS052MW271-200511

Tot Ion: 75 Resp: 115916
 Ion Ratio Lower Upper
 75 100
 77 1.3 21.2 63.6#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 50.967 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. 0.06 min
 Lab File: VX016177.D
 Acq: 13 May 2020 14:20

Tgt Ion: 75 Resp: 115916
 Ion Ratio Lower Upper
 75 100
 53 0.0 73.1 109.7#
 89 0.0 36.7 55.1#

