

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX050820\
 Data File : VX016126.D
 Acq On : 08 May 2020 17:12
 Operator : JC/SP
 Sample : L2552-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: May 09 01:50:24 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	5.64	168	272068	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	445447	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	443357	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	228905	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	169567	47.36	ug/l	0.00
Spiked Amount			Recovery	=	94.72%	
35) Dibromofluoromethane	5.47	113	133606	47.34	ug/l	0.00
Spiked Amount			Recovery	=	94.68%	
50) Toluene-d8	8.70	98	556183	51.15	ug/l	0.00
Spiked Amount			Recovery	=	102.30%	
62) 4-Bromofluorobenzene	11.12	95	227638	55.04	ug/l	0.00
Spiked Amount			Recovery	=	110.08%	

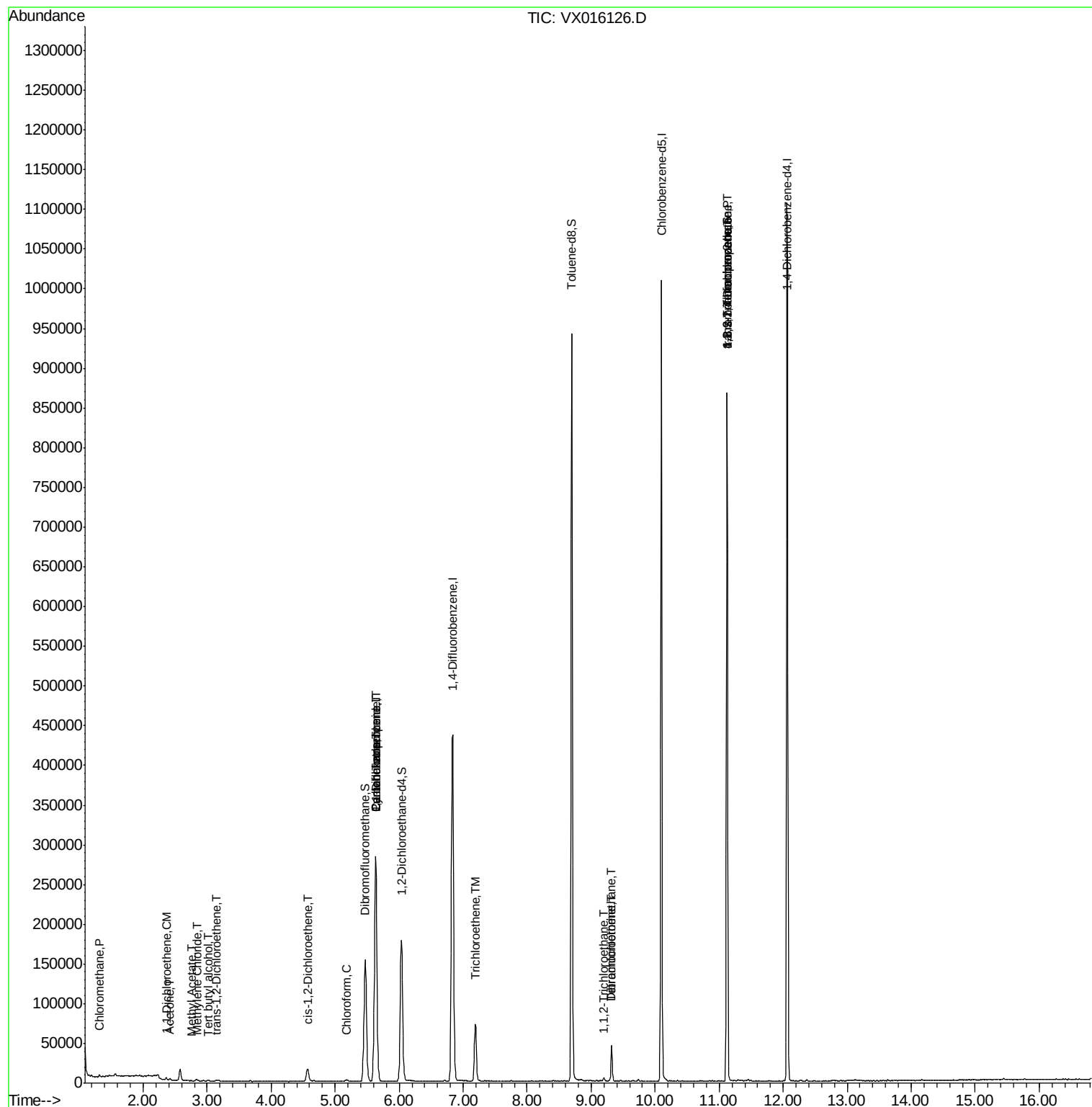
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	1389	0.415	ug/l	98
11) Tert butyl alcohol	3.01	59	720	0.795	ug/l #	80
12) 1,1-Dichloroethene	2.36	96	988	0.349	ug/l #	75
16) Acetone	2.42	43	2476	1.550	ug/l	99
17) Carbon Disulfide	2.55	76	1440	Below Cal	#	88
18) Methyl Acetate	2.76	43	856	0.218	ug/l #	63
20) Methylene Chloride	2.84	84	833	0.253	ug/l	90
21) trans-1,2-Dichloroethene	3.14	96	794	0.252	ug/l #	71
27) cis-1,2-Dichloroethene	4.57	96	10282	2.984	ug/l	85
30) Chloroform	5.18	83	1928	0.354	ug/l	98
31) Cyclohexane	5.64	56	5573	1.121	ug/l #	1
36) 1,1-Dichloropropene	5.64	75	20797	4.743	ug/l #	49
38) Carbon Tetrachloride	5.63	117	26839	6.022	ug/l #	14
44) Trichloroethene	7.19	130	27940	6.130	ug/l	97
55) 1,1,2-Trichloroethane	9.20	97	956	0.304	ug/l	98
60) Dibromochloromethane	9.32	129	8060	2.326	ug/l #	11
64) Tetrachloroethene	9.32	164	8490	1.560	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.13	83	157	2.100	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	113770	21.902	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	113770	52.195	ug/l #	13

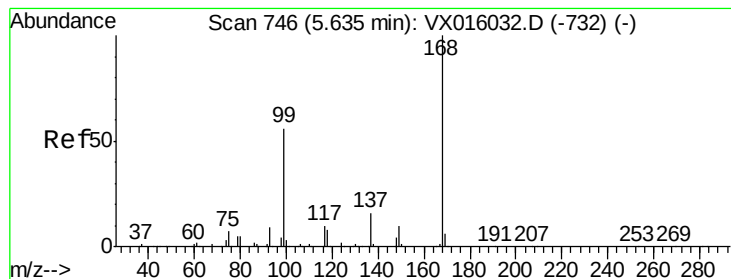
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed May 06 06:43:32 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.00 min

Lab File: VX016126.D

Acq: 08 May 2020 17:12

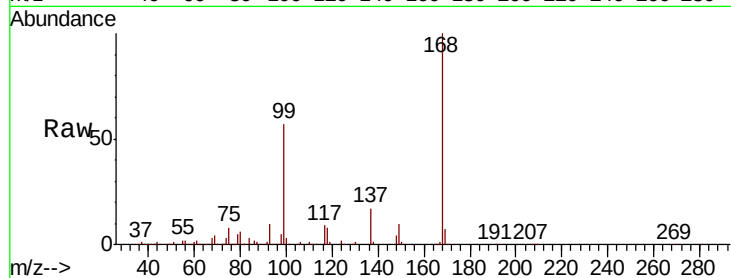
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 272068

Ion Ratio Lower Upper

168 100

99 56.9 45.0 67.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

100000

80000

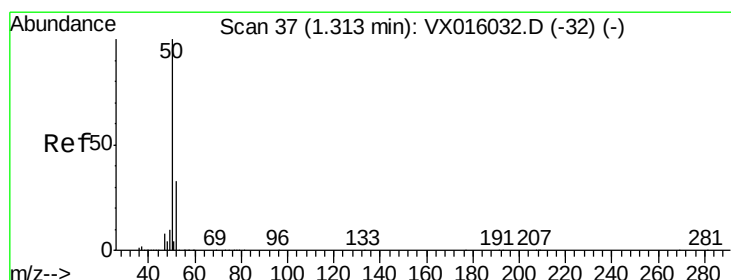
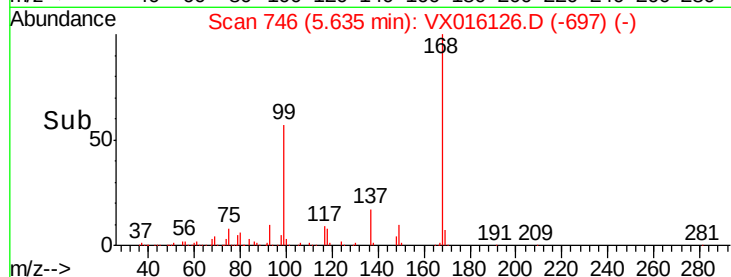
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 0.415 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX016126.D

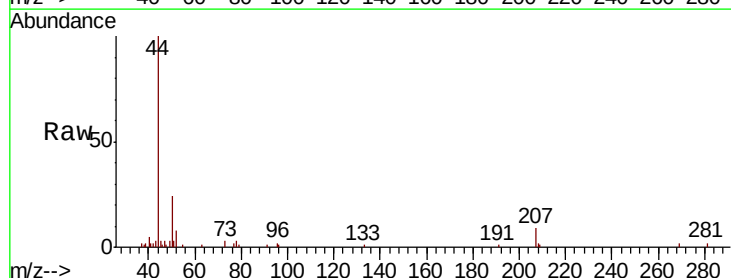
Acq: 08 May 2020 17:12

Tgt Ion: 50 Resp: 1389

Ion Ratio Lower Upper

50 100

52 33.6 26.1 39.1



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

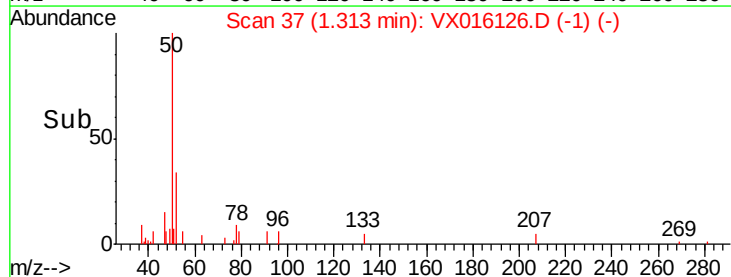
1.31

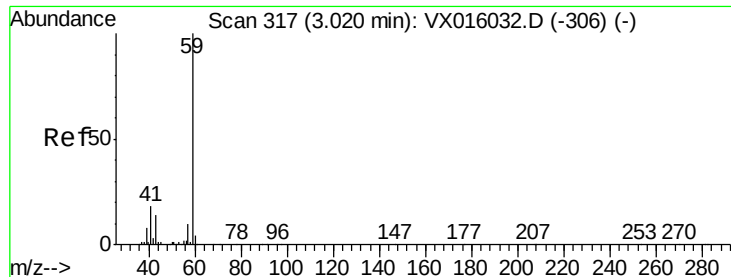
1000

500

0

Time-->



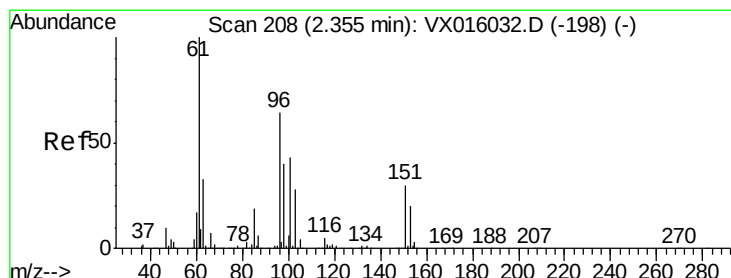
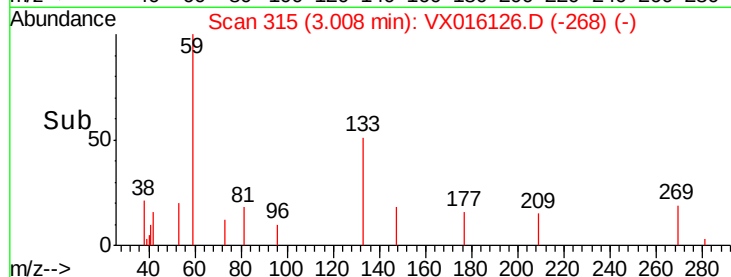
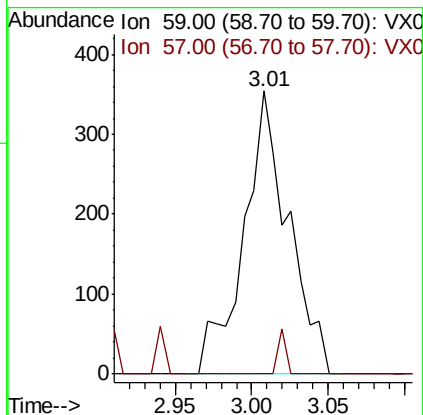
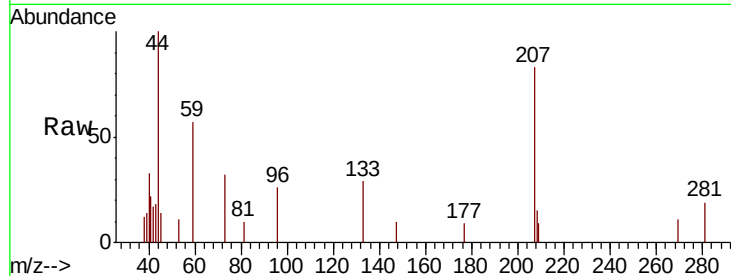


#11

Tert butyl alcohol
Concen: 0.795 ug/l
RT: 3.01 min Scan# 315
Delta R.T. -0.01 min
Lab File: VX016126.D
Acq: 08 May 2020 17:12

Instrument :
MSVOA_X
ClientSampled :

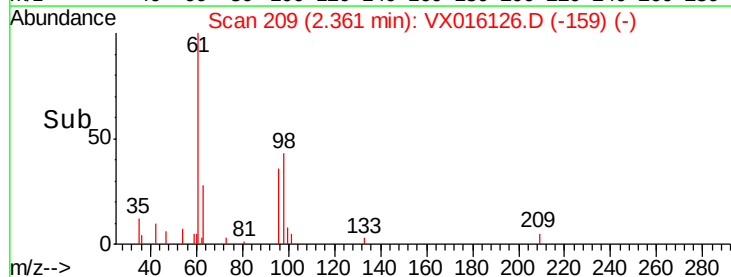
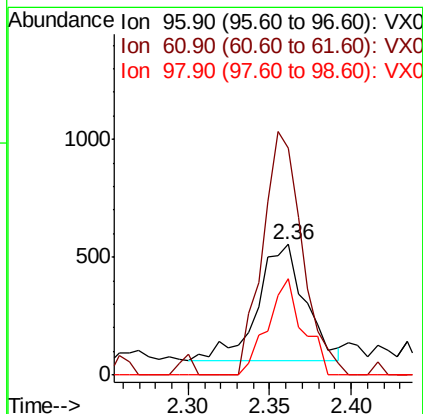
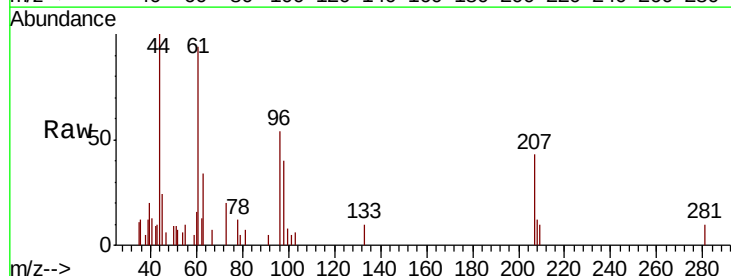
Tot Ion: 59 Resp: 720
Ion Ratio Lower Upper
59 100
57 2.8 8.2 12.4#

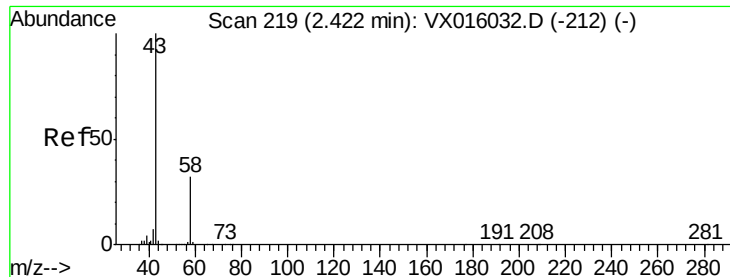


#12

1,1-Dichloroethene
Concen: 0.349 ug/l
RT: 2.36 min Scan# 209
Delta R.T. 0.01 min
Lab File: VX016126.D
Acq: 08 May 2020 17:12

Tgt Ion: 96 Resp: 988
Ion Ratio Lower Upper
96 100
61 186.3 124.8 187.2
98 83.9 49.7 74.5#

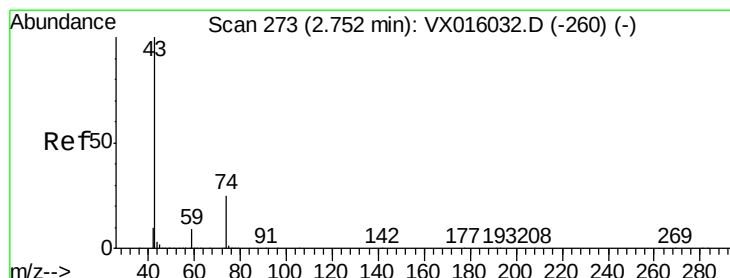
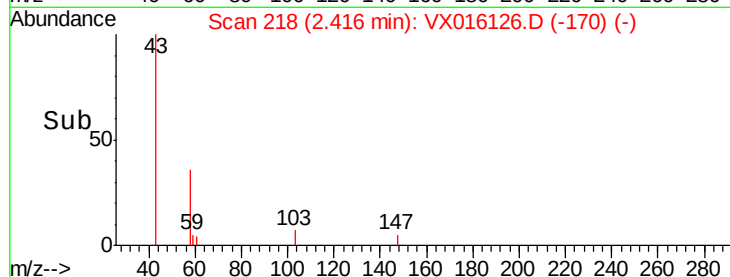
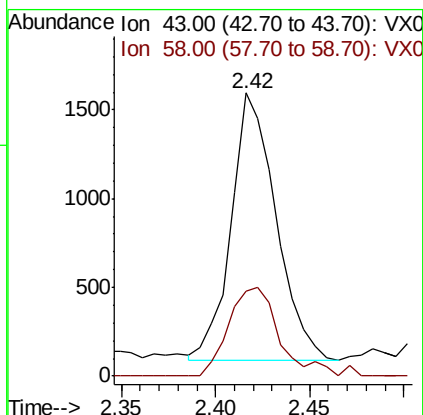
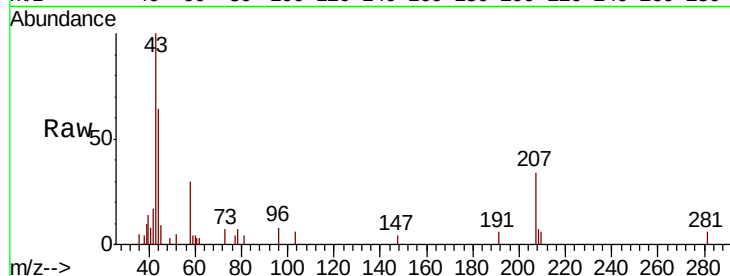




#16
Acetone
Concen: 1.550 ug/l
RT: 2.42 min Scan# 218
Delta R.T. -0.01 min
Lab File: VX016126.D
Acq: 08 May 2020 17:12

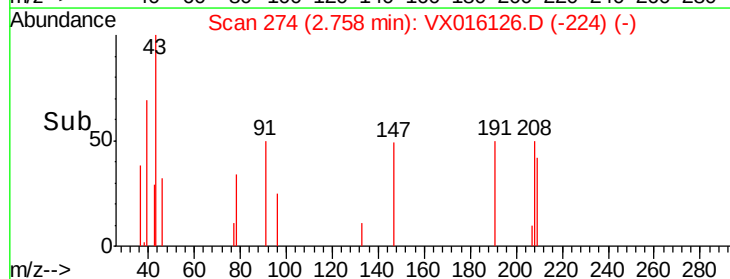
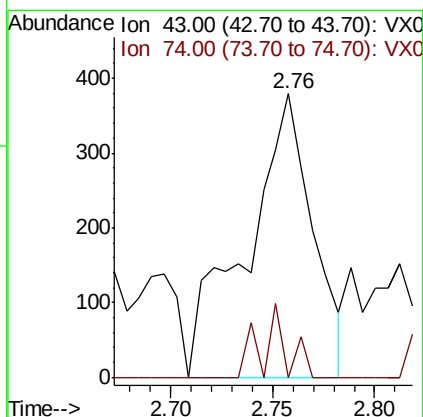
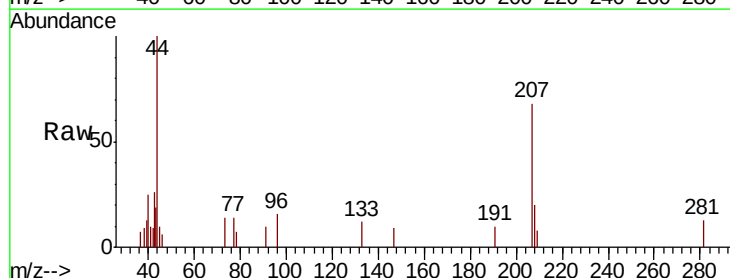
Instrument :
MSVOA_X
ClientSampleId :

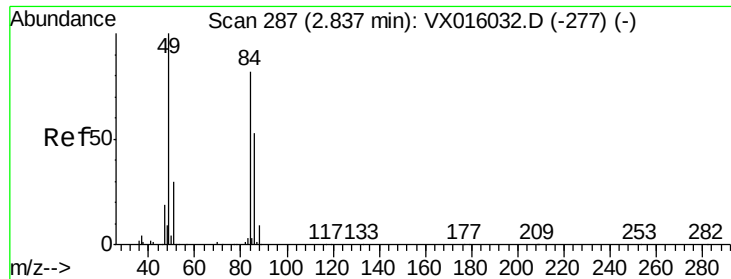
Tot Ion: 43 Resp: 2476
Ion Ratio Lower Upper
43 100
58 32.0 25.4 38.0



#18
Methyl Acetate
Concen: 0.218 ug/l
RT: 2.76 min Scan# 274
Delta R.T. 0.01 min
Lab File: VX016126.D
Acq: 08 May 2020 17:12

Tgt Ion: 43 Resp: 856
Ion Ratio Lower Upper
43 100
74 6.5 20.2 30.2#

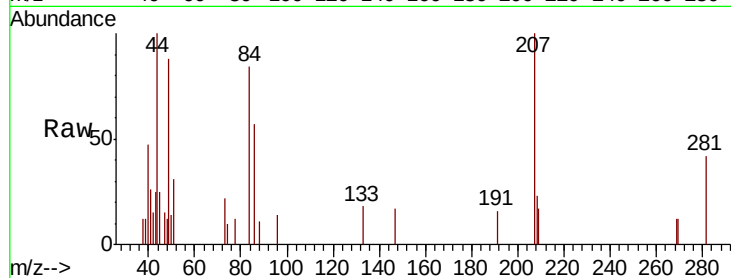




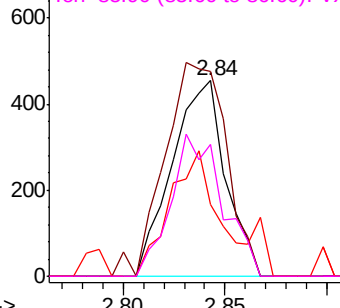
#20
Methylene Chloride
Concen: 0.253 ug/l
RT: 2.84 min Scan# 288
Delta R.T. 0.01 min
Lab File: VX016126.D
Acq: 08 May 2020 17:12

Instrument :
MSVOA_X
ClientSampled :

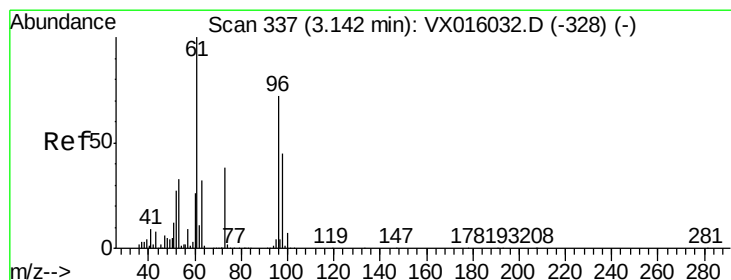
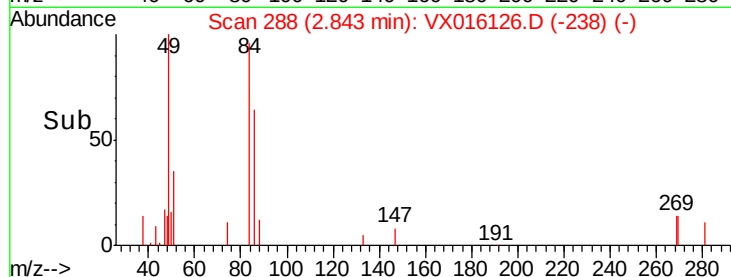
Tot Ion:	84	Resp:	833
Ion	Ratio	Lower	Upper
84	100		
49	104.6	97.3	145.9
51	37.0	29.3	43.9
86	67.4	51.3	76.9



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

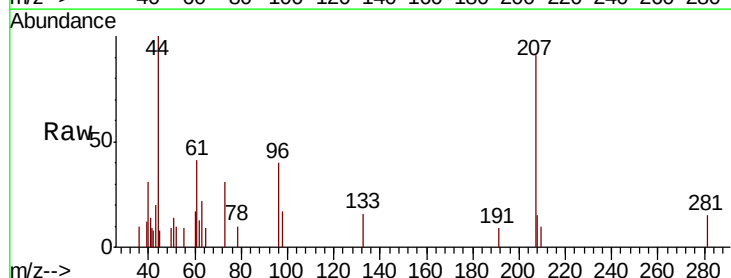


Time-->

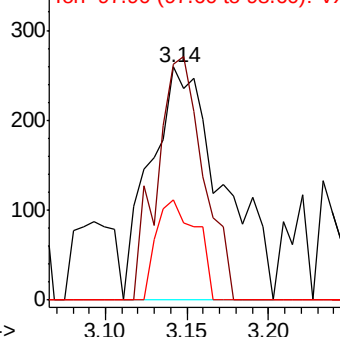


#21
trans-1,2-Dichloroethene
Concen: 0.252 ug/l
RT: 3.14 min Scan# 337
Delta R.T. -0.00 min
Lab File: VX016126.D
Acq: 08 May 2020 17:12

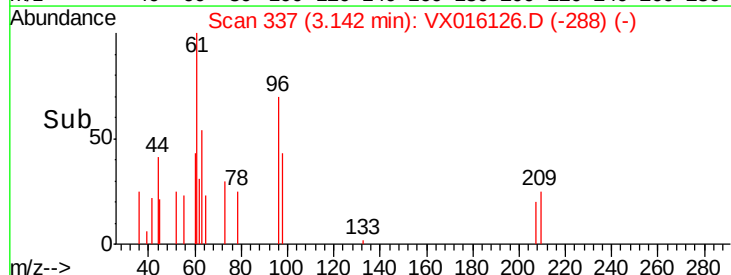
Tgt Ion:	96	Resp:	794
Ion	Ratio	Lower	Upper
96	100		
61	101.5	111.2	166.8#
98	43.2	50.2	75.4#

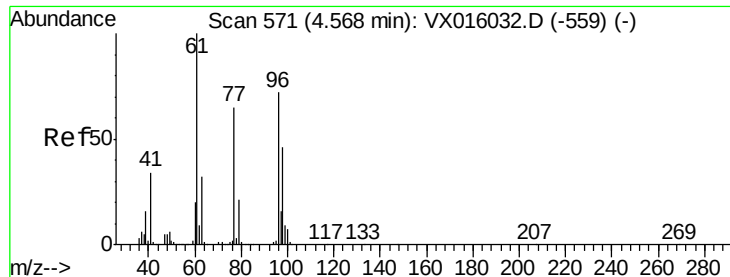


Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



Time-->



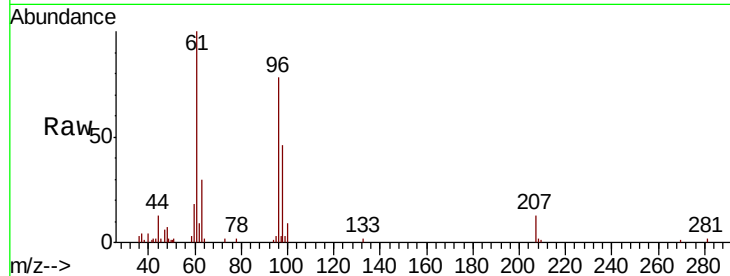


#27

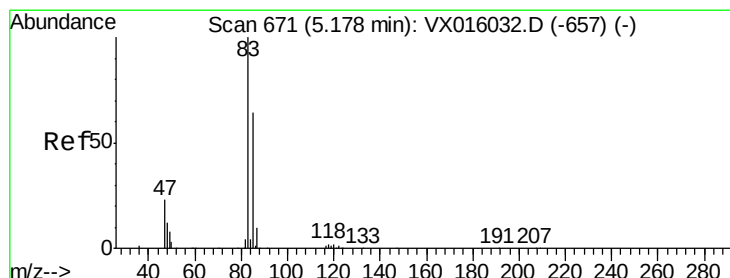
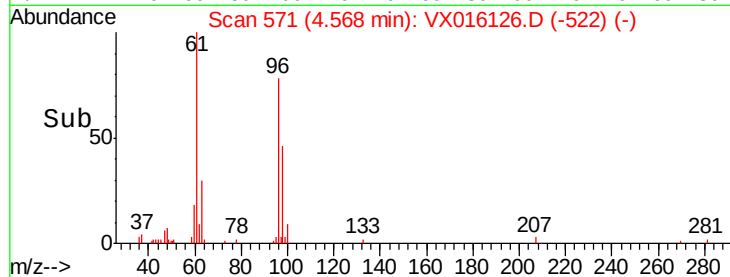
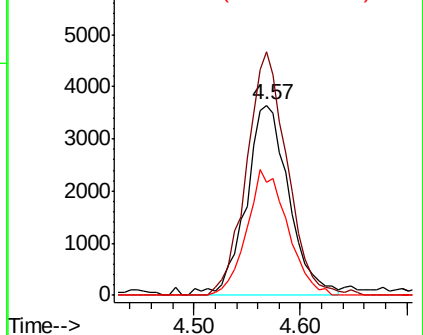
cis-1,2-Dichloroethene
 Concen: 2.984 ug/l
 RT: 4.57 min Scan# 571
 Delta R.T. -0.00 min
 Lab File: VX016126.D
 Acq: 08 May 2020 17:12

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion	96	Resp	10282
Ion Ratio	Lower	Upper	
96	100		
61	121.9	0.0	296.2
98	62.4	0.0	129.4



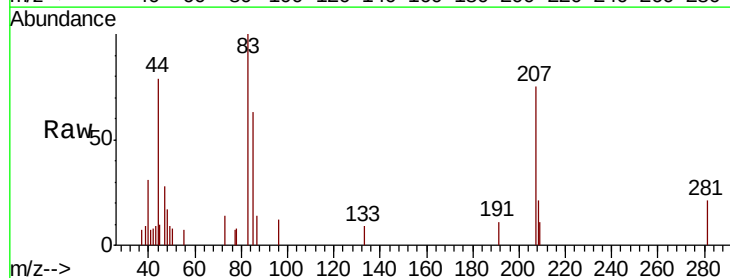
Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0



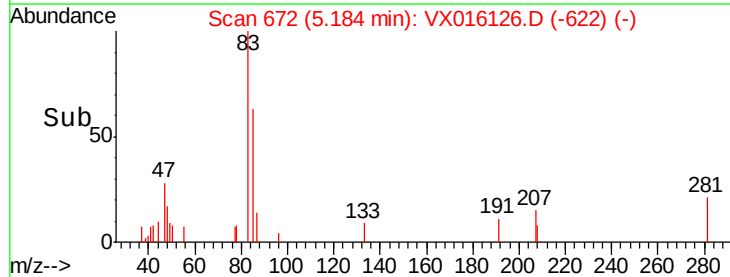
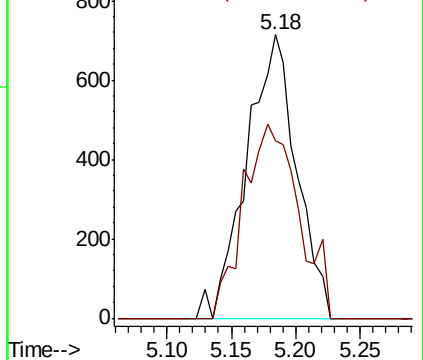
#30

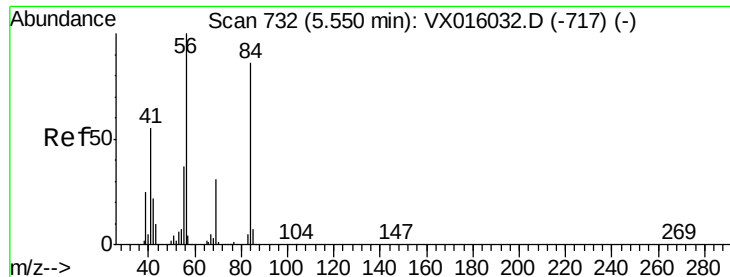
Chloroform
 Concen: 0.354 ug/l
 RT: 5.18 min Scan# 672
 Delta R.T. 0.01 min
 Lab File: VX016126.D
 Acq: 08 May 2020 17:12

Tgt Ion	83	Resp	1928
Ion Ratio	Lower	Upper	
83	100		
85	62.6	51.6	77.4



Abundance Ion 82.90 (82.60 to 83.60): VX0
 Ion 84.90 (84.60 to 85.60): VX0

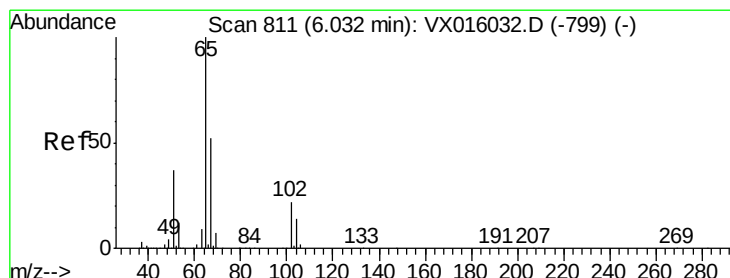
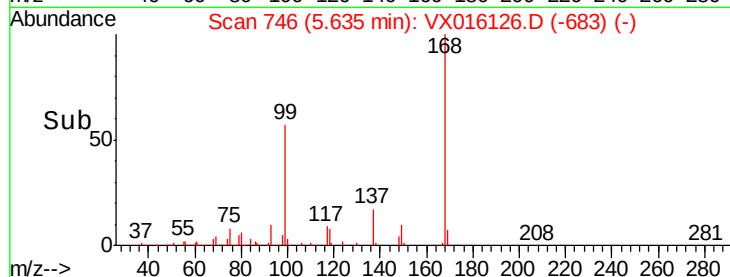
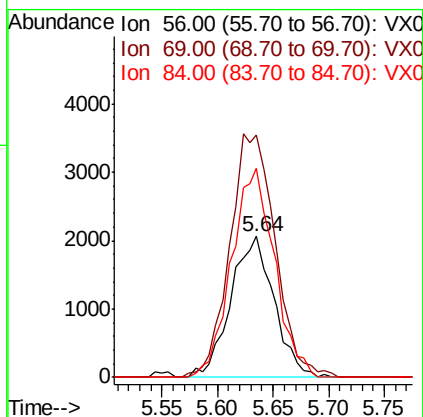
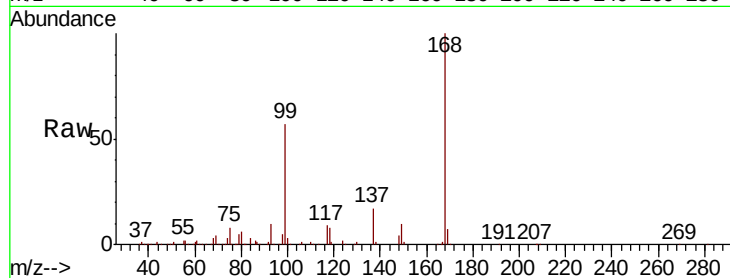




#31
Cyclohexane
Concen: 1.121 ug/l
RT: 5.64 min Scan# 746
Delta R.T. 0.09 min
Lab File: VX016126.D
Acq: 08 May 2020 17:12

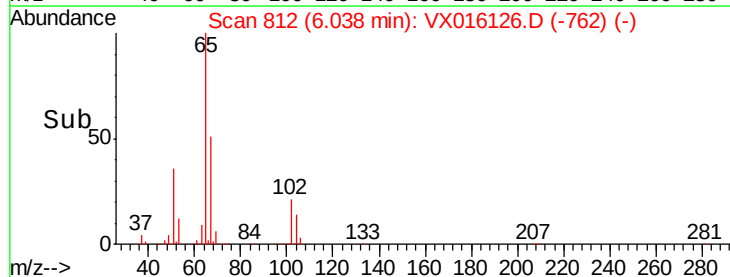
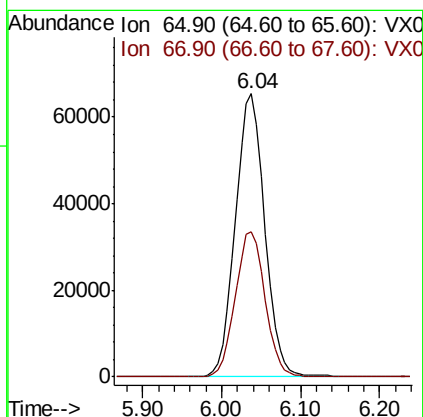
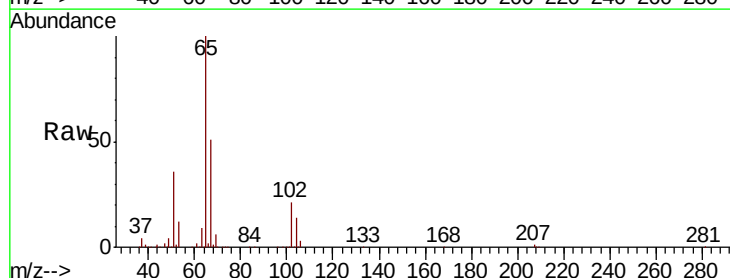
Instrument :
MSVOA_X
ClientSampleId :

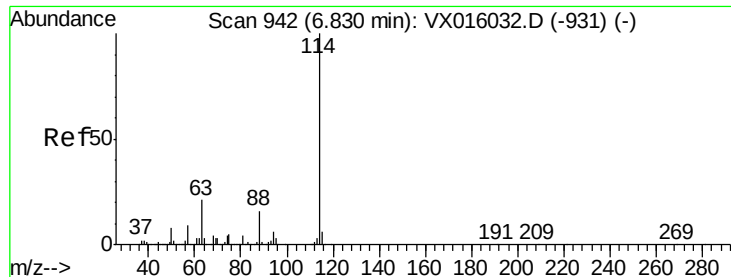
Tot Ion: 56 Resp: 5573
Ion Ratio Lower Upper
56 100
69 172.5 25.0 37.6#
84 148.4 69.0 103.6#



#33
1,2-Dichloroethane-d4
Concen: 47.363 ug/l
RT: 6.04 min Scan# 812
Delta R.T. 0.01 min
Lab File: VX016126.D
Acq: 08 May 2020 17:12

Tgt Ion: 65 Resp: 169567
Ion Ratio Lower Upper
65 100
67 52.3 0.0 104.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 943

Delta R.T. 0.01 min

Lab File: VX016126.D

Acq: 08 May 2020 17:12

Instrument :

MSVOA_X

ClientSampleId :

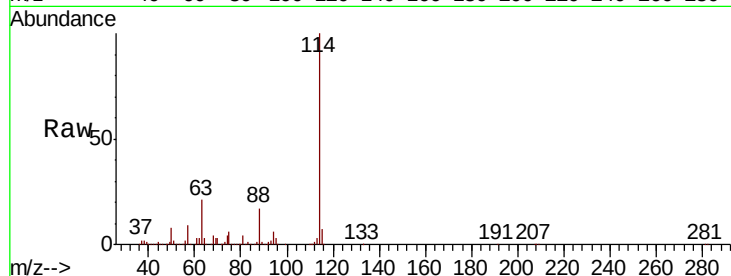
Tot Ion:114 Resp: 445447

Ion Ratio Lower Upper

114 100

63 21.3 0.0 42.8

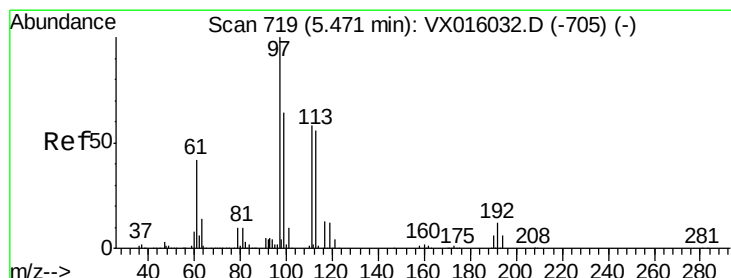
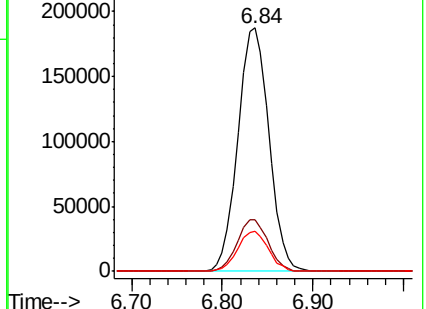
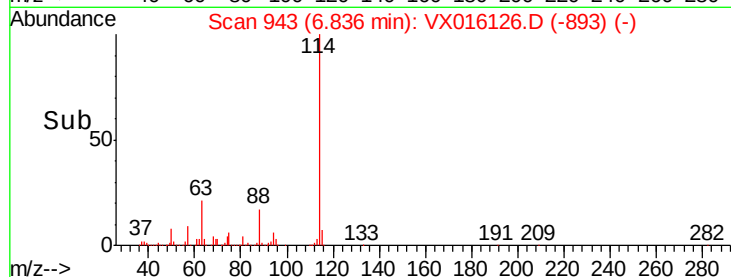
88 16.5 0.0 31.4



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: 47.343 ug/l

RT: 5.47 min Scan# 719

Delta R.T. -0.00 min

Lab File: VX016126.D

Acq: 08 May 2020 17:12

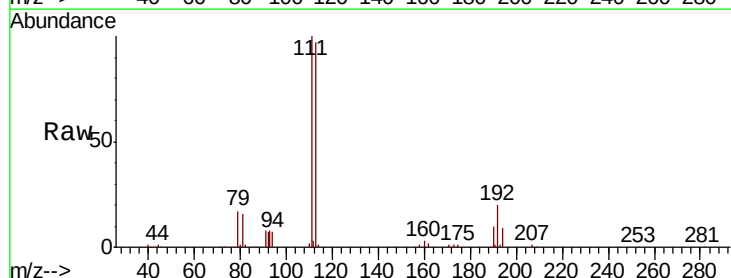
Tgt Ion:113 Resp: 133606

Ion Ratio Lower Upper

113 100

111 102.7 81.6 122.4

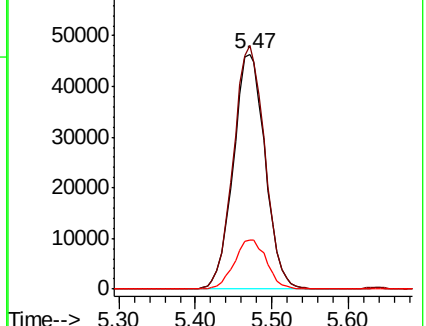
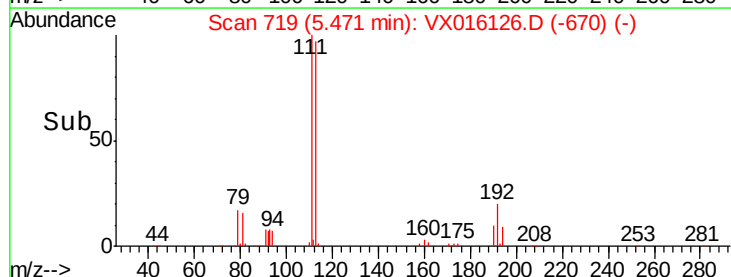
192 21.2 17.0 25.4

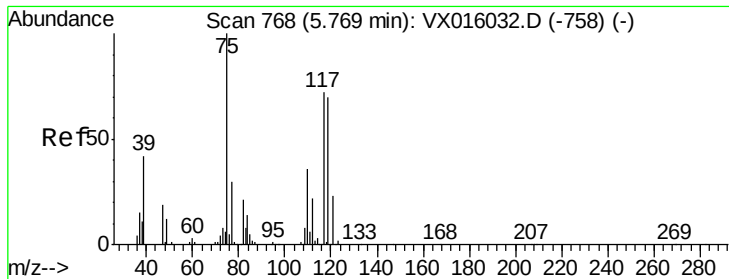


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

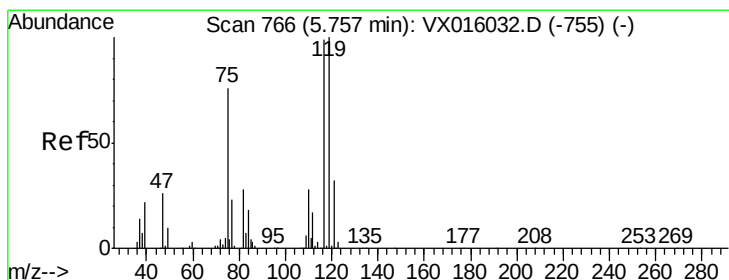
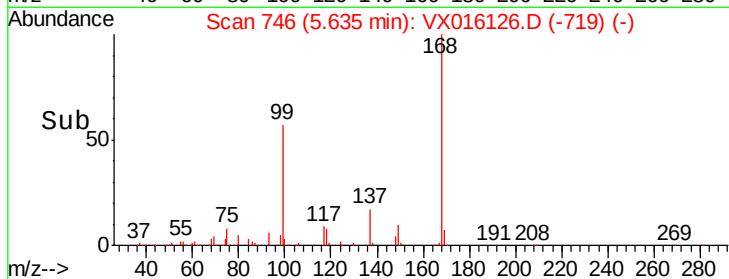
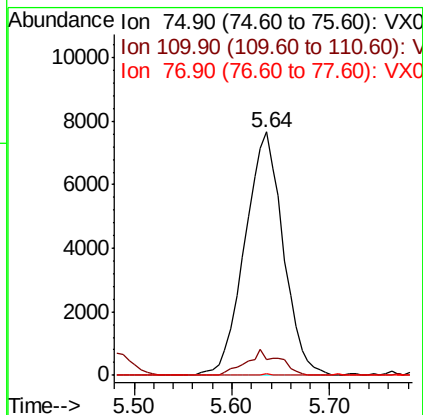
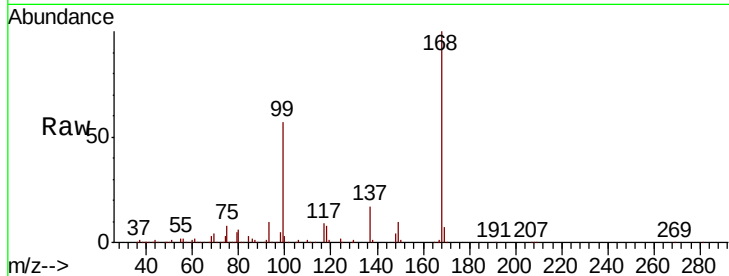




#36
 1,1-Dichloropropene
 Concen: 4.743 ug/l
 RT: 5.64 min Scan# 746
 Delta R.T. -0.13 min
 Lab File: VX016126.D
 Acq: 08 May 2020 17:12

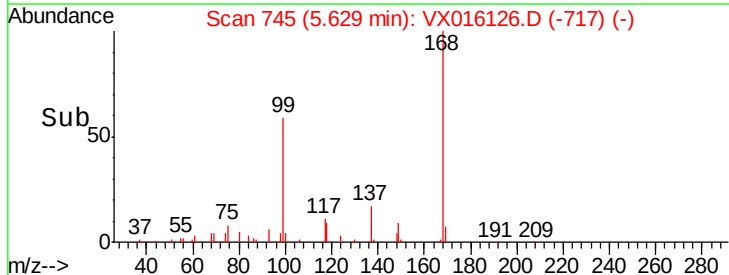
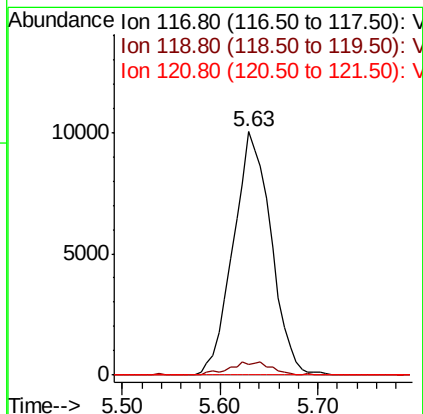
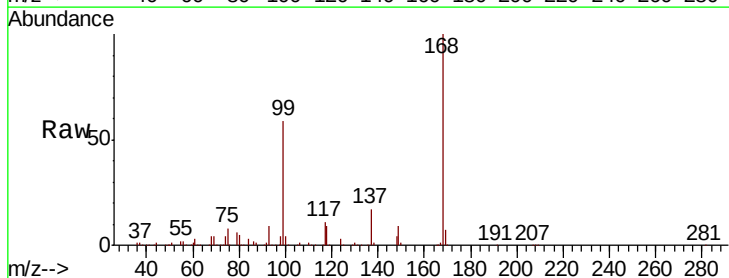
Instrument :
 MSVOA_X
 ClientSampleId :

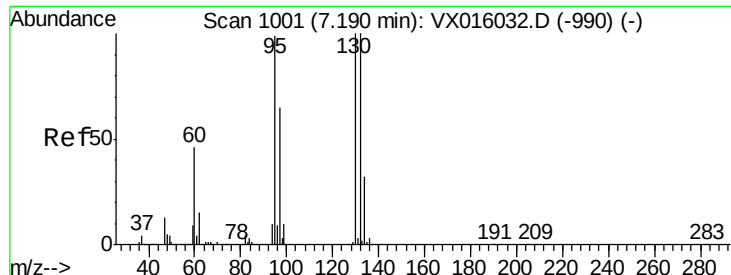
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.1	18.1	54.1#
77	0.1	25.0	37.6#



#38
 Carbon Tetrachloride
 Concen: 6.022 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.13 min
 Lab File: VX016126.D
 Acq: 08 May 2020 17:12

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.6	80.3	120.5#
121	0.0	25.7	38.5#





#44

Trichloroethene

Concen: 6.130 ug/l

RT: 7.19 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VX016126.D

Acq: 08 May 2020 17:12

Instrument :

MSVOA_X

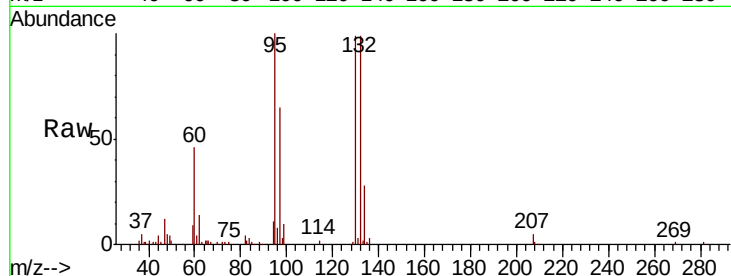
ClientSampleId :

Tot Ion:130 Resp: 27940

Ion Ratio Lower Upper

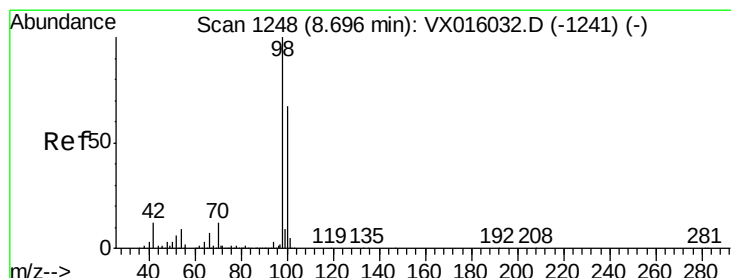
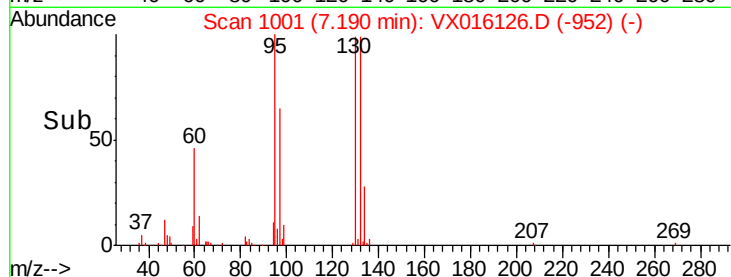
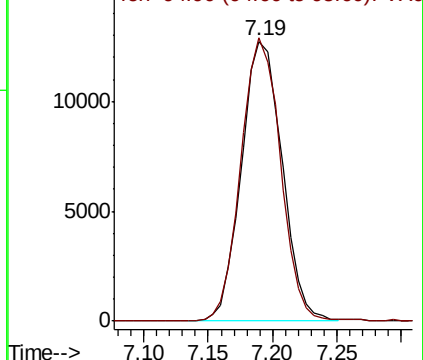
130 100

95 101.3 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: 51.149 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX016126.D

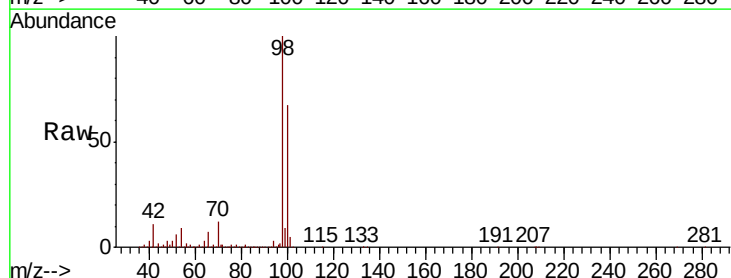
Acq: 08 May 2020 17:12

Tgt Ion: 98 Resp: 556183

Ion Ratio Lower Upper

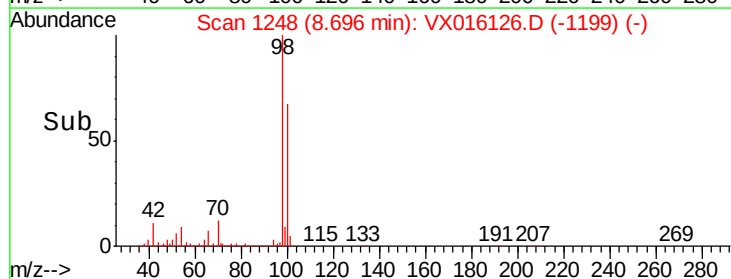
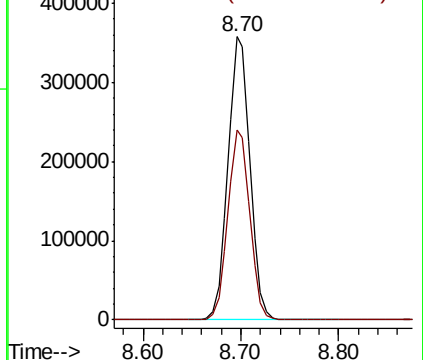
98 100

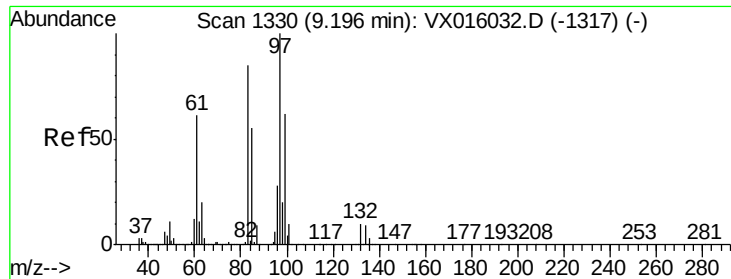
100 67.0 53.7 80.5



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#55

1,1,2-Trichloroethane

Concen: 0.304 ug/l

RT: 9.20 min Scan# 1330

Delta R.T. -0.00 min

Lab File: VX016126.D

Acq: 08 May 2020 17:12

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 97 Resp: 956

Ion	Ratio	Lower	Upper
97	100		
83	85.7	67.8	101.8
85	50.9	43.8	65.8
99	63.0	49.4	74.0

Abundance

Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

9.20

Time-->

9.15 9.20 9.25

Abundance

Scan 1330 (9.195 min): VX016126.D (-1281) (-)

Sub

m/z-->

45 61 77 97 133 177 207 282

Abundance

Scan 1391 (9.567 min): VX016032.D (-1383) (-)

Ref

m/z-->

48 64 81 96 114 129 160 175 191 208 269

Abundance

Scan 1350 (9.317 min): VX016126.D (-1342) (-)

Raw

m/z-->

47 73 94 129 166 191 207 269

Abundance

Scan 1350 (9.317 min): VX016126.D (-1342) (-)

Sub

m/z-->

47 65 94 129 166 191 208 269

Abundance

Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

9.32

Time-->

9.30 9.35

Abundance

Scan 1350 (9.317 min): VX016126.D (-1342) (-)

Sub

m/z-->

47 65 94 129 166 191 208 269

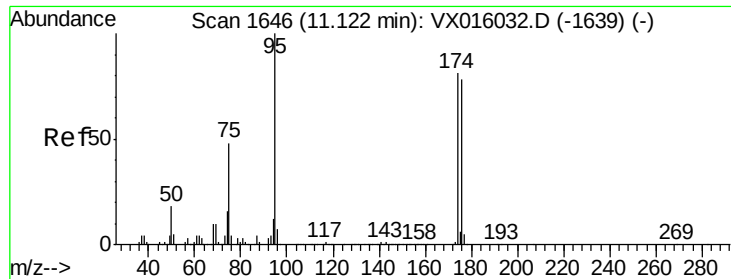
Abundance

Scan 1350 (9.317 min): VX016126.D (-1342) (-)

Sub

m/z-->

47 65 94 129 166 191 208 269



#62

4-Bromofluorobenzene

Concen: 55.040 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016126.D

Acq: 08 May 2020 17:12

Instrument :

MSVOA_X

ClientSampled :

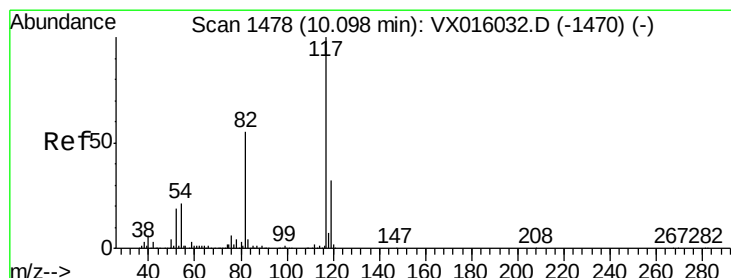
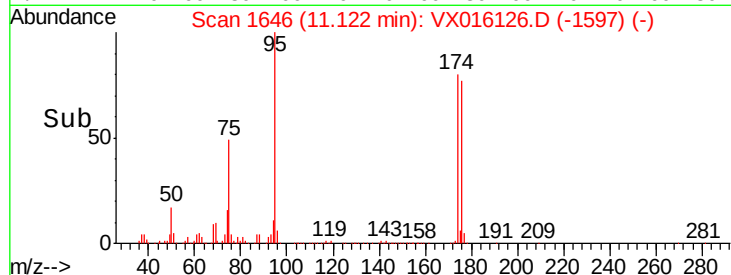
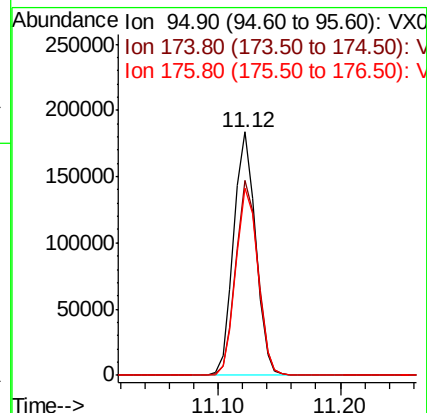
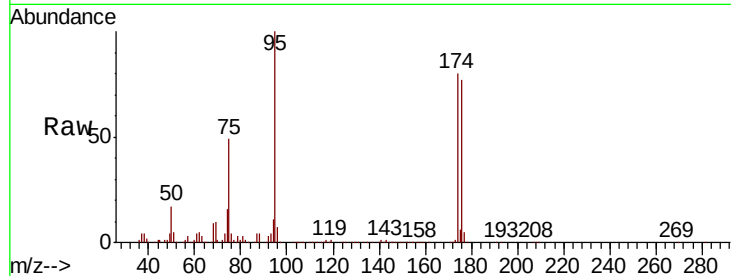
Tot Ion: 95 Resp: 227638

Ion Ratio Lower Upper

95 100

174 80.3 0.0 159.4

176 77.8 0.0 157.6



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX016126.D

Acq: 08 May 2020 17:12

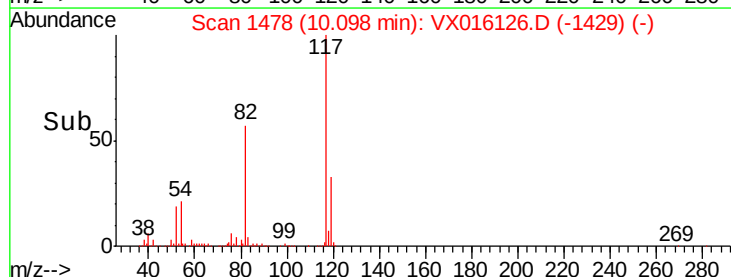
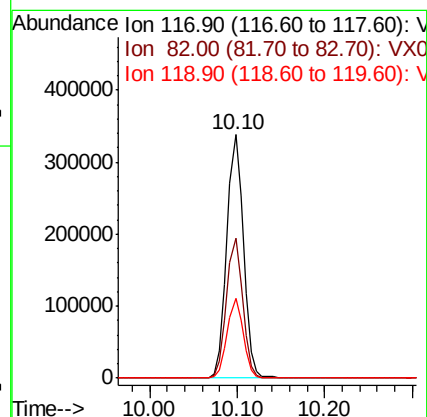
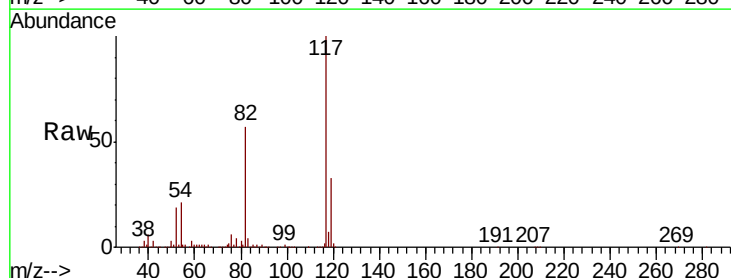
Tgt Ion: 117 Resp: 443357

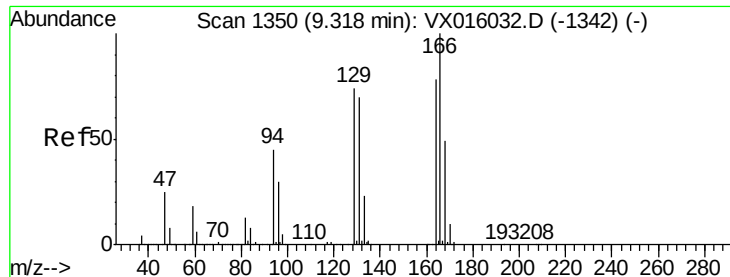
Ion Ratio Lower Upper

117 100

82 57.2 44.4 66.6

119 32.9 25.5 38.3





#64

Tetrachloroethene

Concen: 1.560 ug/l

RT: 9.32 min Scan# 1350

Delta R.T. -0.00 min

Lab File: VX016126.D

Acq: 08 May 2020 17:12

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:164 Resp: 8490

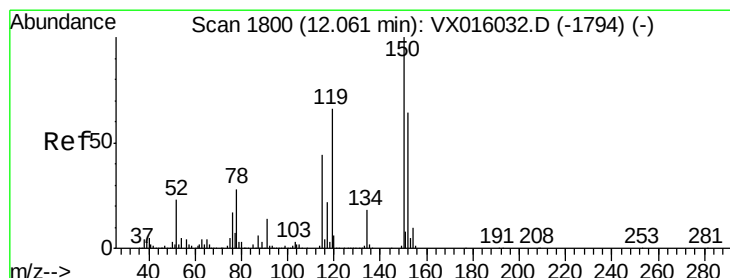
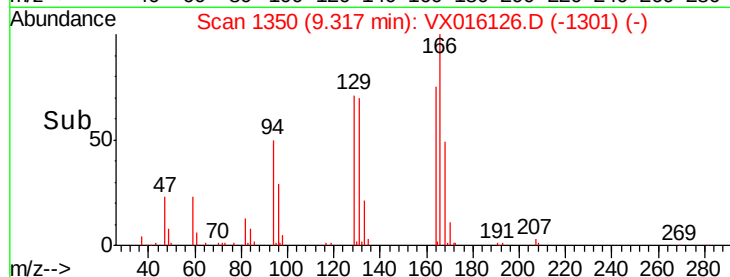
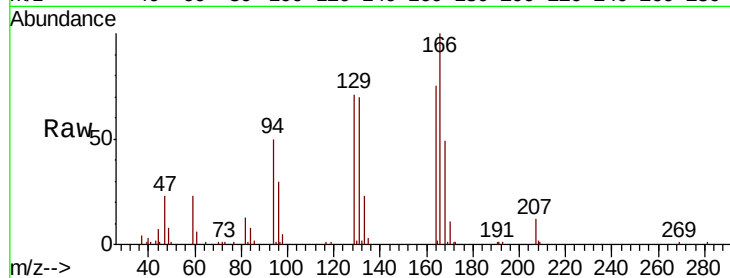
Ion Ratio Lower Upper

164 100

166 133.5 102.9 154.3

129 94.5 76.1 114.1

131 93.9 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: VX016126.D

Acq: 08 May 2020 17:12

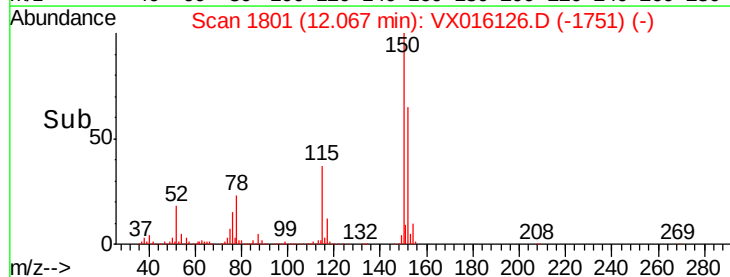
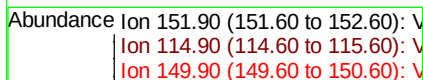
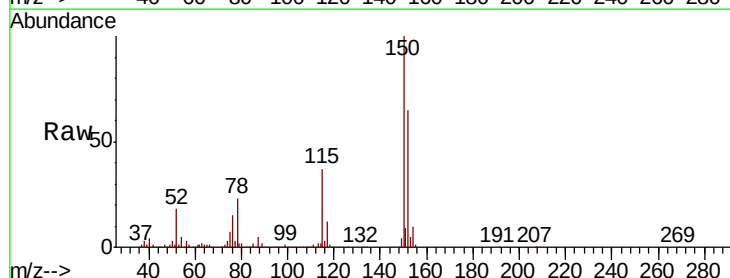
Tgt Ion:152 Resp: 228905

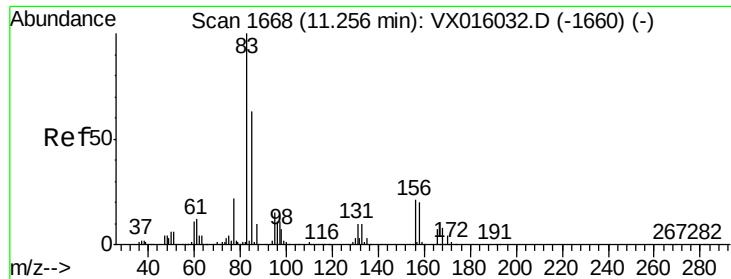
Ion Ratio Lower Upper

152 100

115 59.0 41.3 124.1

150 155.7 0.0 352.2





#75

1,1,2,2-Tetrachloroethane

Concen: 2.100 ug/l

RT: 11.13 min Scan# 1647

Delta R.T. -0.13 min

Lab File: VX016126.D

Acq: 08 May 2020 17:12

Instrument :

MSVOA_X

ClientSampleId :

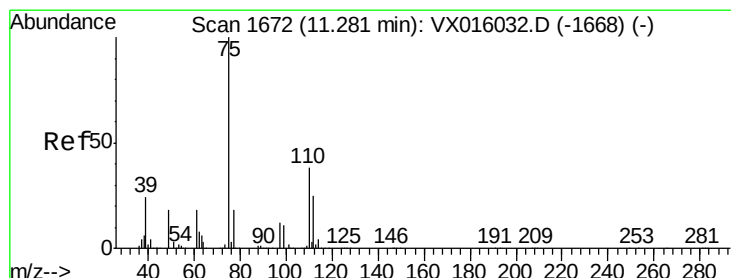
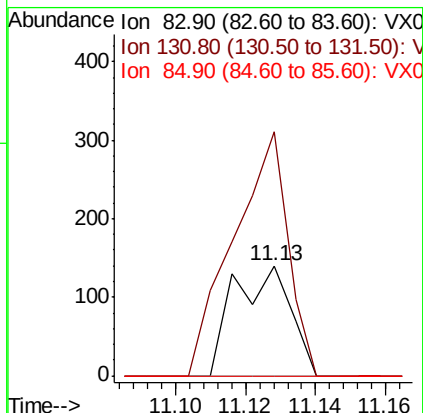
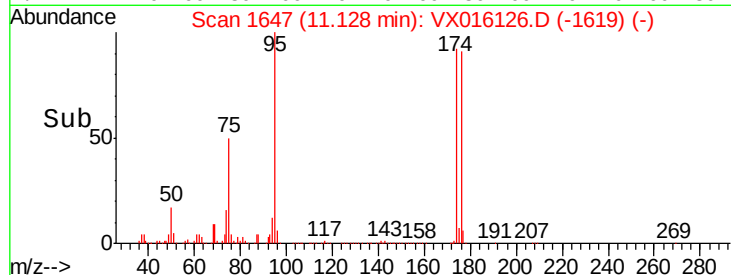
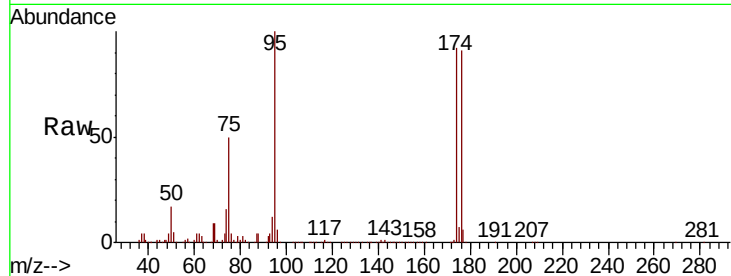
Tot Ion: 83 Resp: 157

Ion Ratio Lower Upper

83 100

131 213.4 5.1 15.4#

85 0.0 32.0 96.0#



#76

1,2,3-Trichloropropane

Concen: 21.902 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016126.D

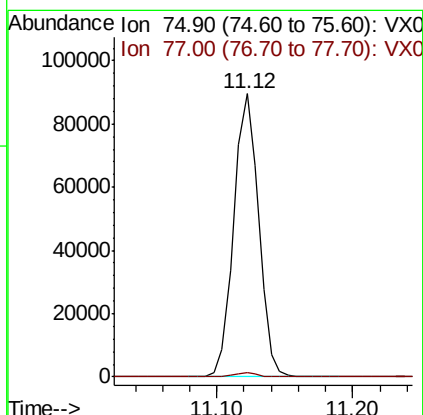
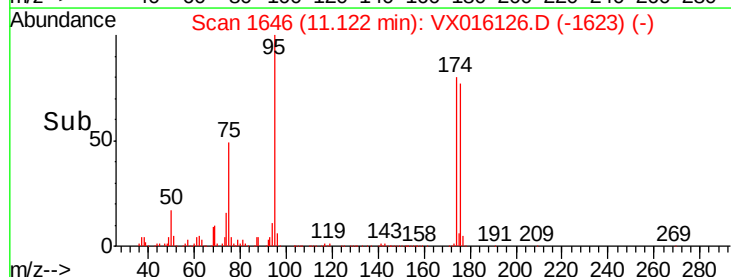
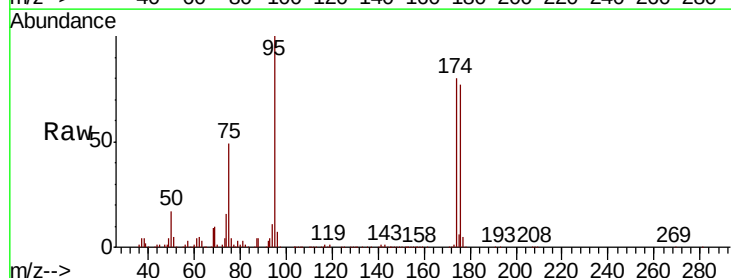
Acq: 08 May 2020 17:12

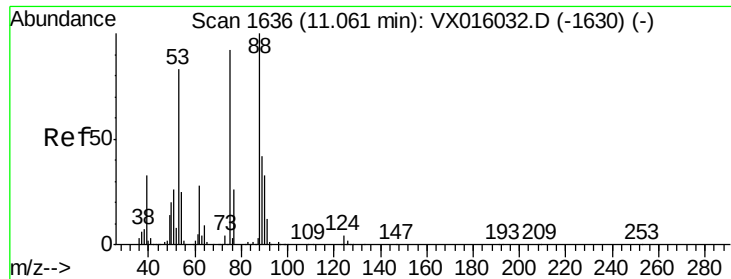
Tgt Ion: 75 Resp: 113770

Ion Ratio Lower Upper

75 100

77 1.4 21.2 63.6#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 52.195 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. 0.06 min
 Lab File: VX016126.D
 Acq: 08 May 2020 17:12

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion: 75 Resp: 113770
 Ion Ratio Lower Upper
 75 100
 53 0.0 73.1 109.7#
 89 0.0 36.7 55.1#

