

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX060320\
 Data File : VX016570.D
 Acq On : 03 Jun 2020 16:43
 Operator : JC/SP
 Sample : L2867-08
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 04 08:25:48 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X052720W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 27 16:31:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	248106	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	400839	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	404614	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	213251	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	146185	47.44	ug/l	0.00
Spiked Amount			Recovery	=	94.88%	
35) Dibromofluoromethane	5.47	113	119036	48.23	ug/l	0.00
Spiked Amount			Recovery	=	96.46%	
50) Toluene-d8	8.70	98	495033	51.53	ug/l	0.00
Spiked Amount			Recovery	=	103.06%	
62) 4-Bromofluorobenzene	11.12	95	203630	54.86	ug/l	0.00
Spiked Amount			Recovery	=	109.72%	

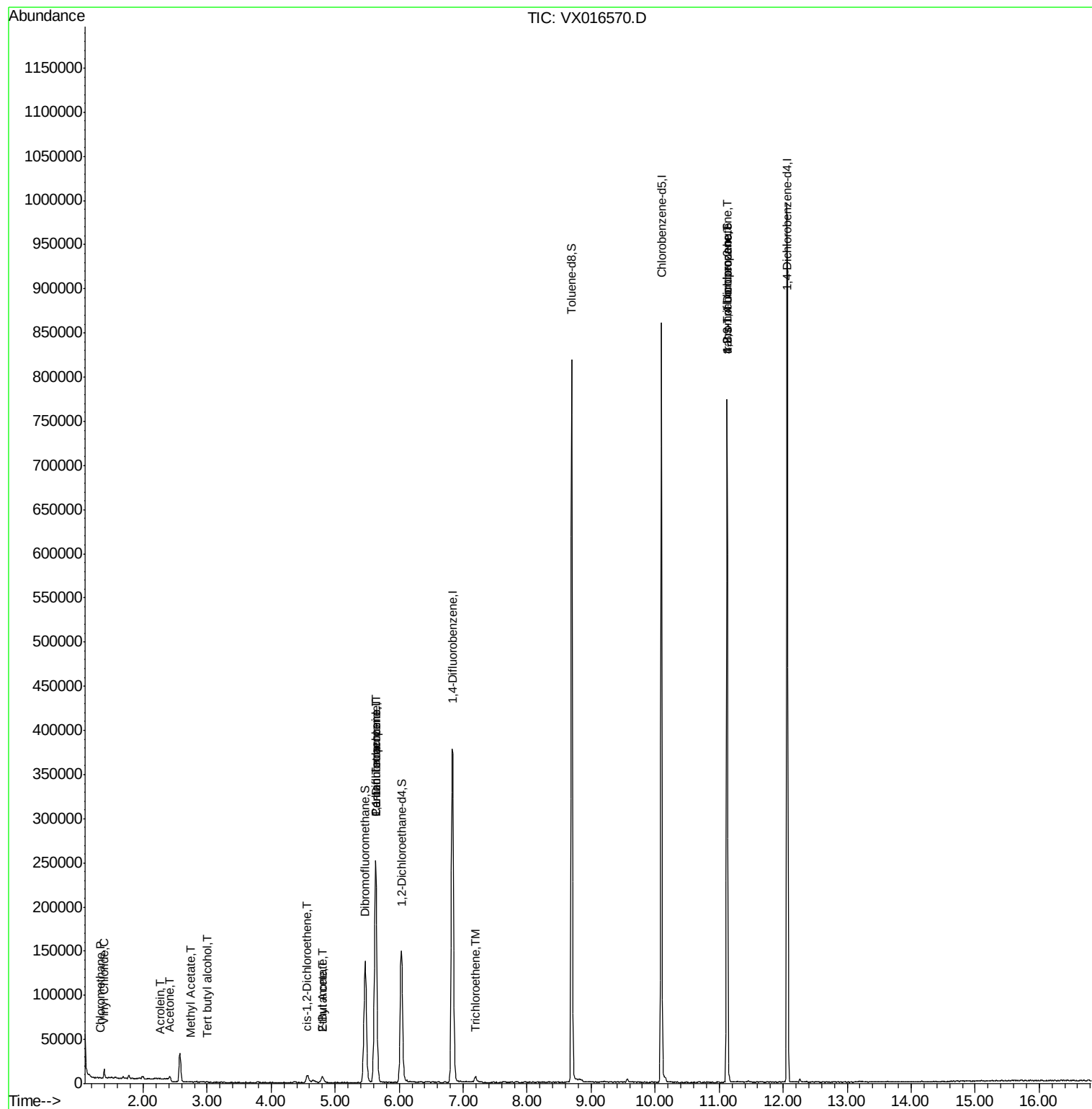
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	678	0.230	ug/l #	82
4) Vinyl Chloride	1.39	62	1550	0.497	ug/l #	88
11) Tert butyl alcohol	3.00	59	234	0.296	ug/l #	72
13) Acrolein	2.28	56	284	0.845	ug/l #	1
16) Acetone	2.42	43	5712	4.231	ug/l	100
18) Methyl Acetate	2.75	43	698	0.202	ug/l #	66
25) 2-Butanone	4.80	43	12140	5.307	ug/l #	49
27) cis-1,2-Dichloroethene	4.57	96	5445	1.782	ug/l	88
36) 1,1-Dichloropropene	5.63	75	16792	4.425	ug/l #	52
37) Ethyl Acetate	4.80	43	12171	2.671	ug/l	99
38) Carbon Tetrachloride	5.63	117	23237	5.826	ug/l #	17
44) Trichloroethene	7.18	130	2285	0.637	ug/l	78
76) 1,2,3-Trichloropropane	11.12	75	98227	20.956	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	98227	51.548	ug/l #	14

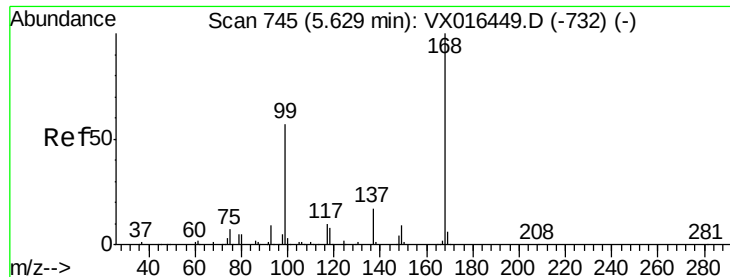
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 746

Delta R.T. 0.01 min

Lab File: VX016570.D

Acq: 03 Jun 2020 16:43

Instrument :

MSVOA_X

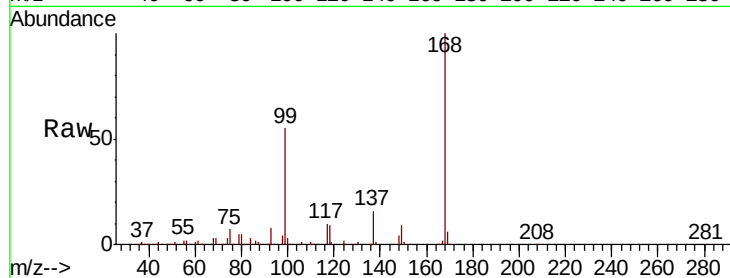
ClientSampleId :

Tot Ion:168 Resp: 248106

Ion Ratio Lower Upper

168 100

99 54.6 45.2 67.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

100000

80000

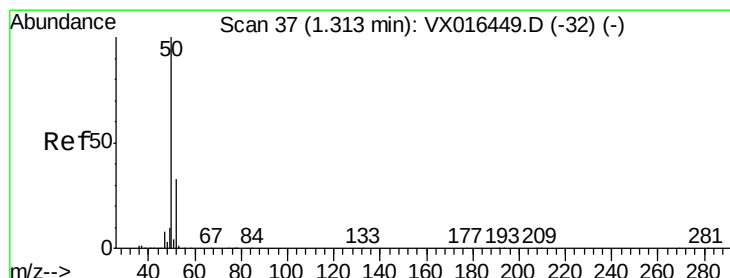
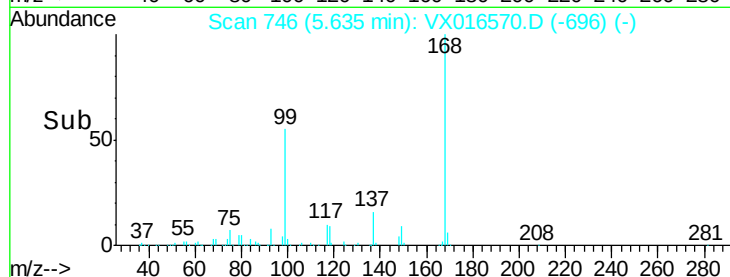
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 0.230 ug/l

RT: 1.32 min Scan# 38

Delta R.T. 0.01 min

Lab File: VX016570.D

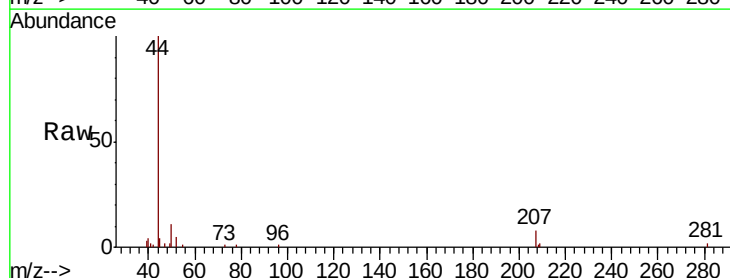
Acq: 03 Jun 2020 16:43

Tgt Ion: 50 Resp: 678

Ion Ratio Lower Upper

50 100

52 42.7 26.2 39.2#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

500

400

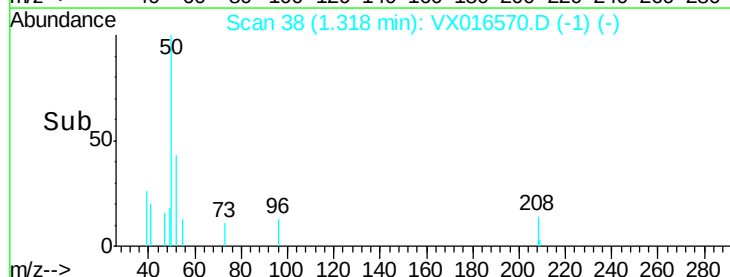
300

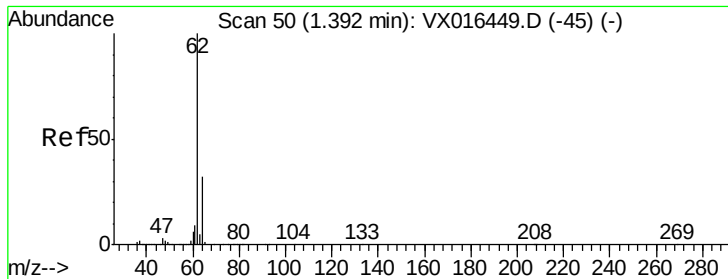
200

100

0

Time-->





#4

Vinyl Chloride

Concen: 0.497 ug/l

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX016570.D

Acq: 03 Jun 2020 16:43

Instrument :

MSVOA_X

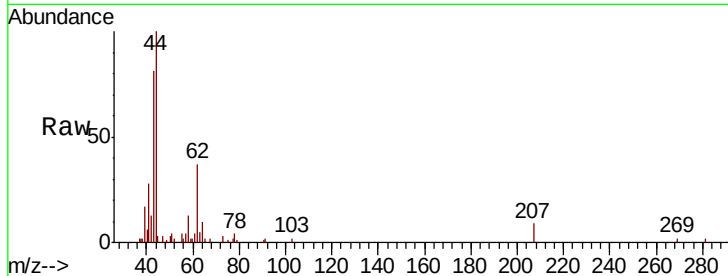
ClientSampled :

Tot Ion: 62 Resp: 1550

Ion Ratio Lower Upper

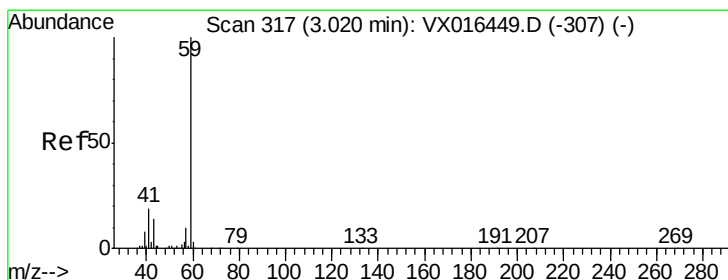
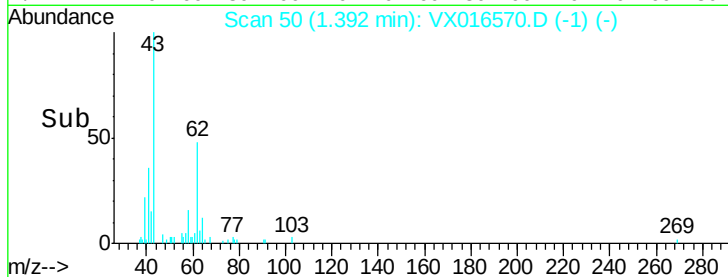
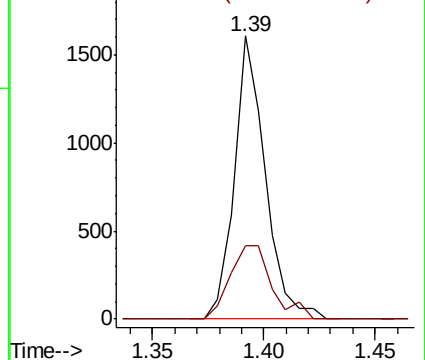
62 100

64 25.9 25.9 38.9#



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0



#11

Tert butyl alcohol

Concen: 0.296 ug/l

RT: 3.00 min Scan# 314

Delta R.T. -0.02 min

Lab File: VX016570.D

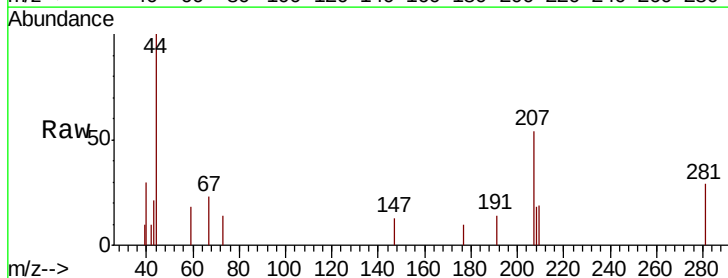
Acq: 03 Jun 2020 16:43

Tgt Ion: 59 Resp: 234

Ion Ratio Lower Upper

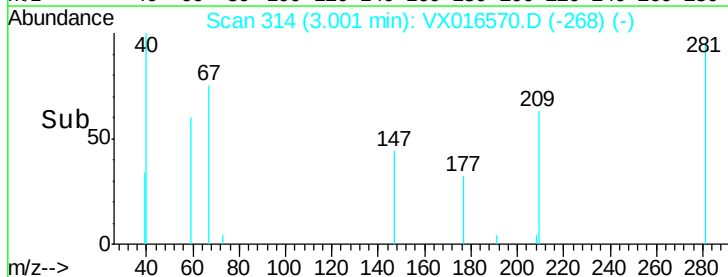
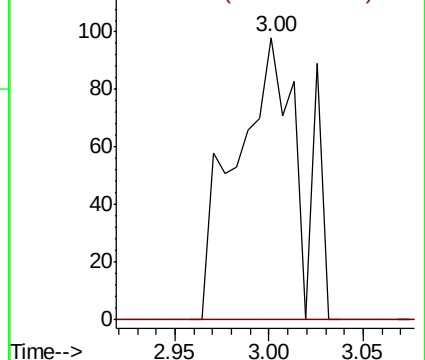
59 100

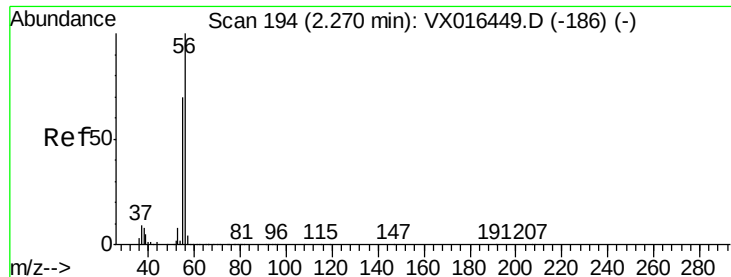
57 0.0 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

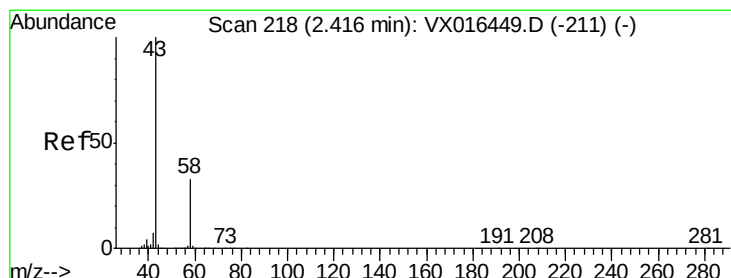
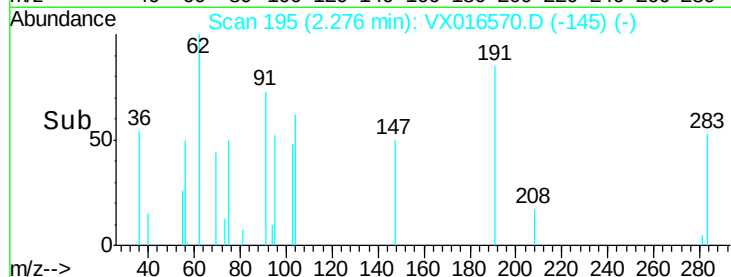
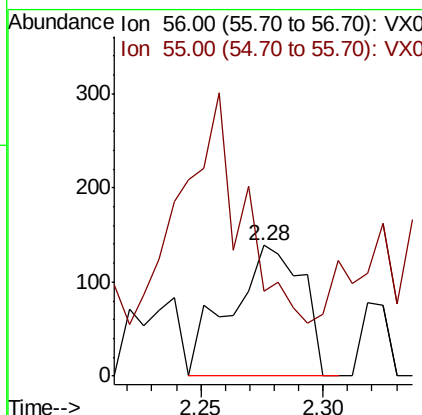
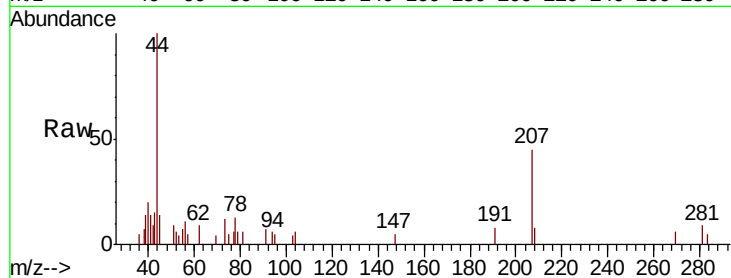




#13
Acrolein
Concen: 0.845 ug/l
RT: 2.28 min Scan# 195
Delta R.T. 0.01 min
Lab File: VX016570.D
Acq: 03 Jun 2020 16:43

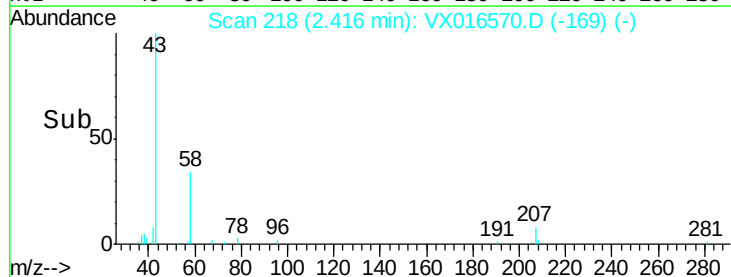
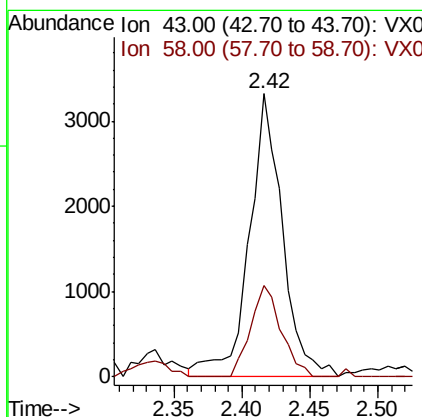
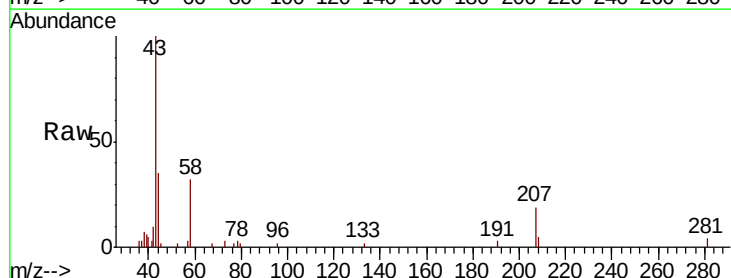
Instrument :
MSVOA_X
ClientSampleId :

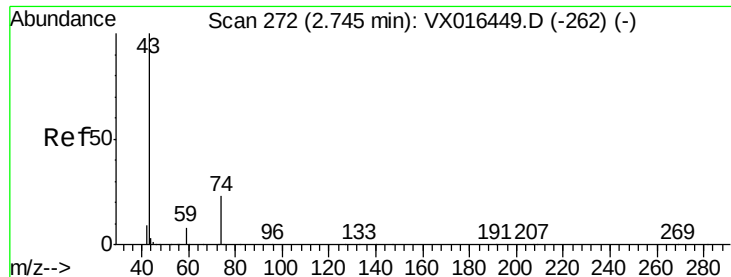
Tot Ion: 56 Resp: 284
Ion Ratio Lower Upper
56 100
55 189.4 58.3 87.5#



#16
Acetone
Concen: 4.231 ug/l
RT: 2.42 min Scan# 218
Delta R.T. -0.00 min
Lab File: VX016570.D
Acq: 03 Jun 2020 16:43

Tgt Ion: 43 Resp: 5712
Ion Ratio Lower Upper
43 100
58 32.4 26.1 39.1

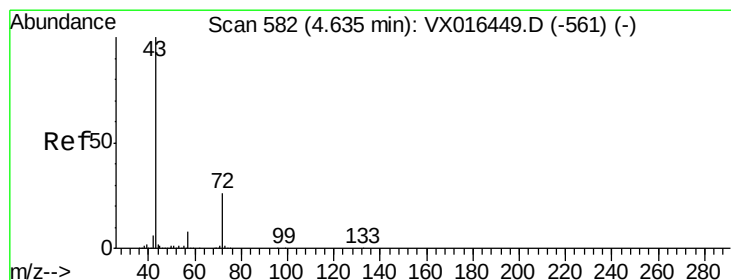
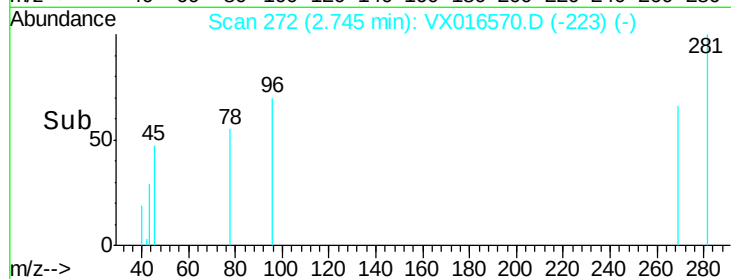
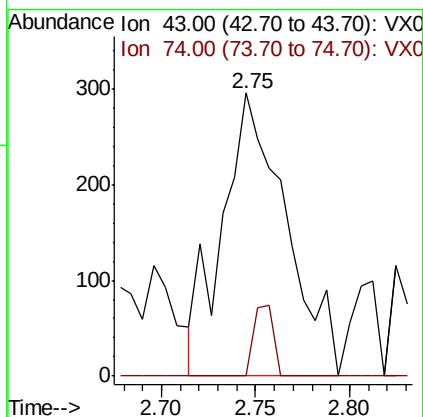
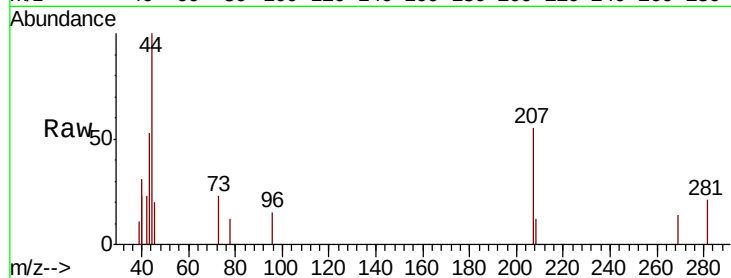




#18
Methyl Acetate
Concen: 0.202 ug/l
RT: 2.75 min Scan# 272
Delta R.T. -0.00 min
Lab File: VX016570.D
Acq: 03 Jun 2020 16:43

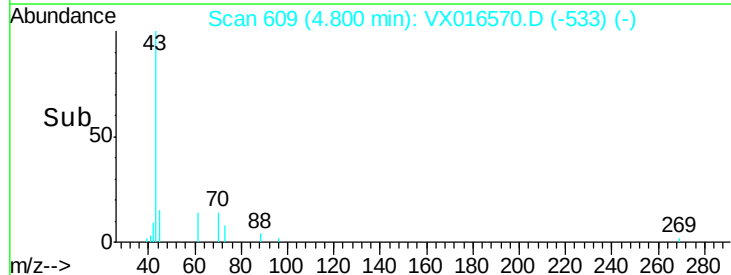
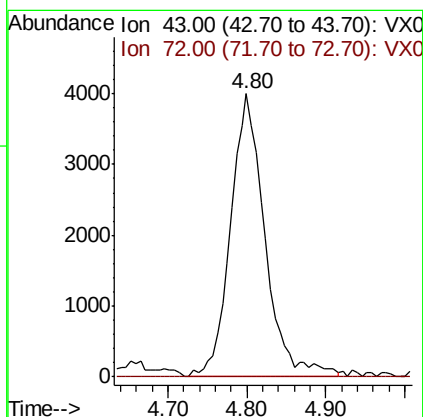
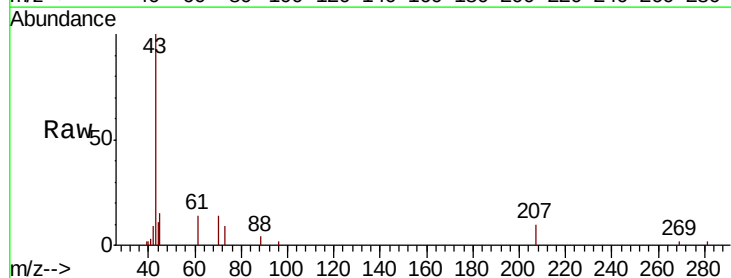
Instrument :
MSVOA_X
ClientSampleId :

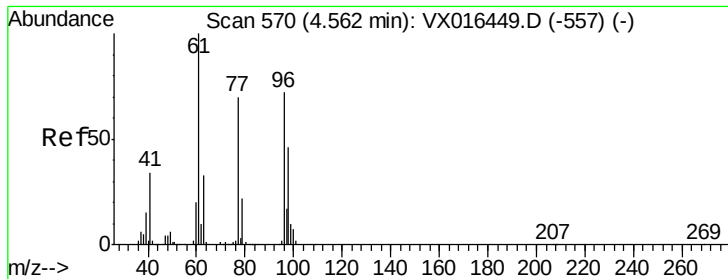
Tot Ion: 43 Resp: 698
Ion Ratio Lower Upper
43 100
74 7.6 19.7 29.5#



#25
2-Butanone
Concen: 5.307 ug/l
RT: 4.80 min Scan# 609
Delta R.T. 0.16 min
Lab File: VX016570.D
Acq: 03 Jun 2020 16:43

Tgt Ion: 43 Resp: 12140
Ion Ratio Lower Upper
43 100
72 0.0 21.0 31.6#



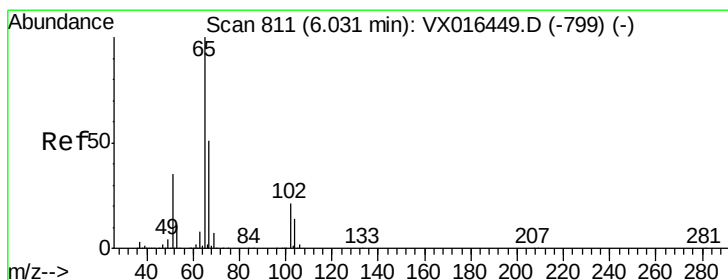
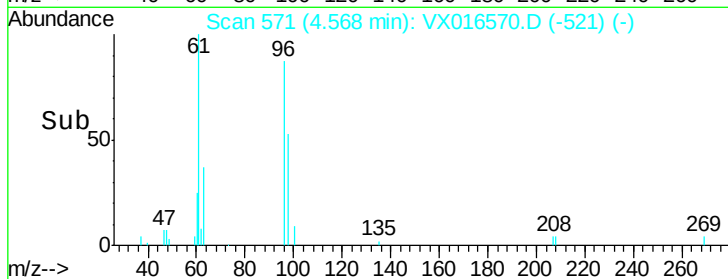
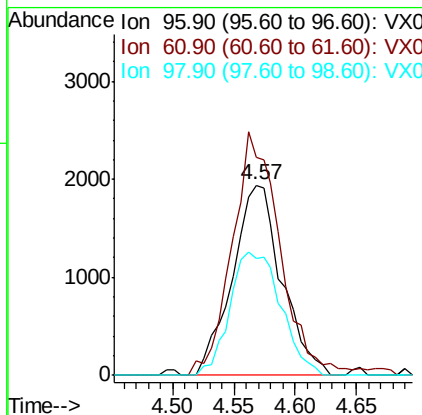
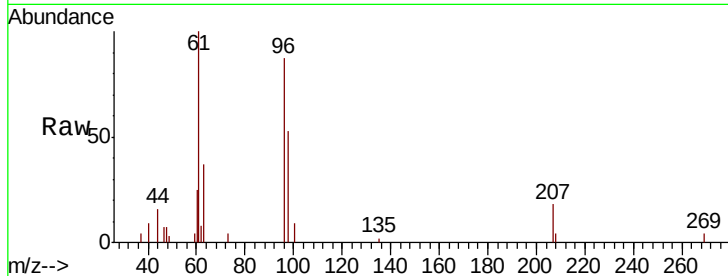


#27

cis-1,2-Dichloroethene
Concen: 1.782 ug/l
RT: 4.57 min Scan# 571
Delta R.T. 0.01 min
Lab File: VX016570.D
Acq: 03 Jun 2020 16:43

Instrument :
MSVOA_X
ClientSampleId :

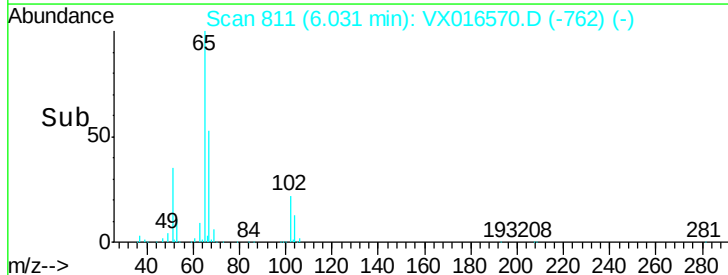
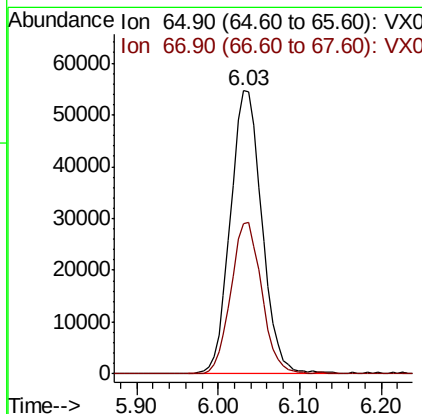
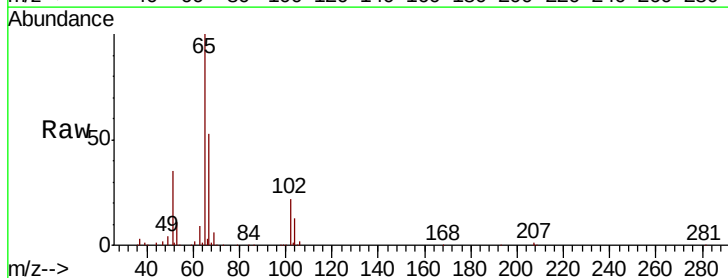
Tot Ion	96	Resp:	5445
Ion	Ratio	Lower	Upper
96	100		
61	123.8	0.0	284.6
98	66.6	0.0	127.2

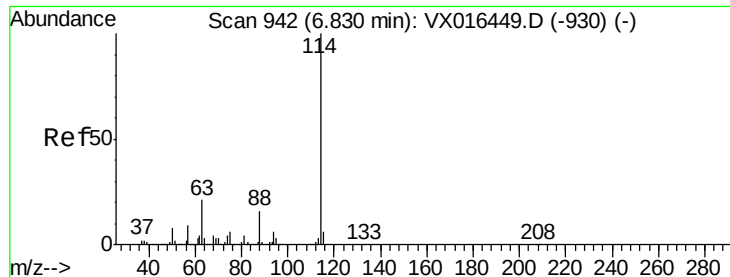


#33

1,2-Dichloroethane-d4
Concen: 47.445 ug/l
RT: 6.03 min Scan# 811
Delta R.T. -0.00 min
Lab File: VX016570.D
Acq: 03 Jun 2020 16:43

Tgt Ion	65	Resp:	146185
Ion	Ratio	Lower	Upper
65	100		
67	52.2	0.0	104.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.00 min

Lab File: VX016570.D

Acq: 03 Jun 2020 16:43

Instrument :

MSVOA_X

ClientSampleId :

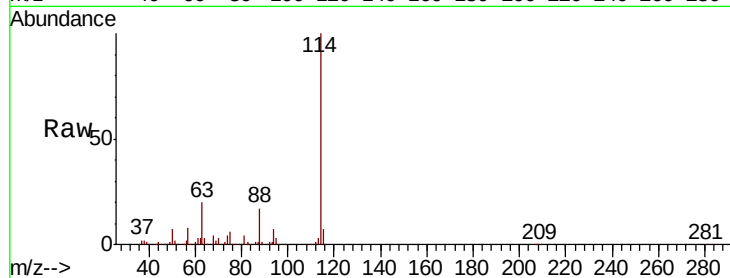
Tot Ion:114 Resp: 400839

Ion Ratio Lower Upper

114 100

63 19.7 0.0 42.6

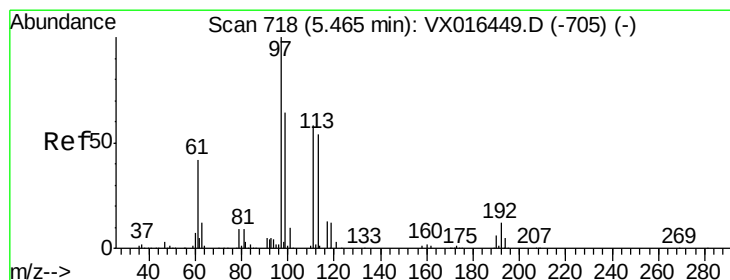
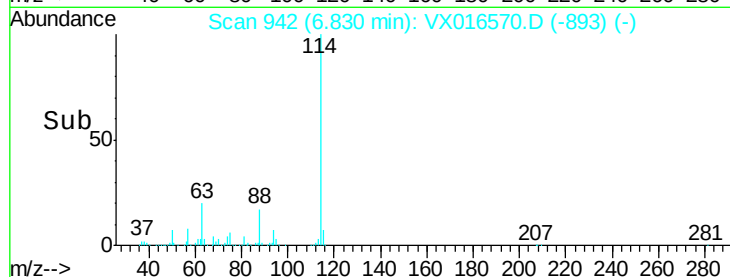
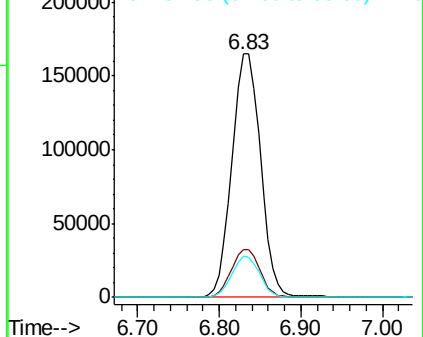
88 17.1 0.0 32.8



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: 48.229 ug/l

RT: 5.47 min Scan# 719

Delta R.T. 0.01 min

Lab File: VX016570.D

Acq: 03 Jun 2020 16:43

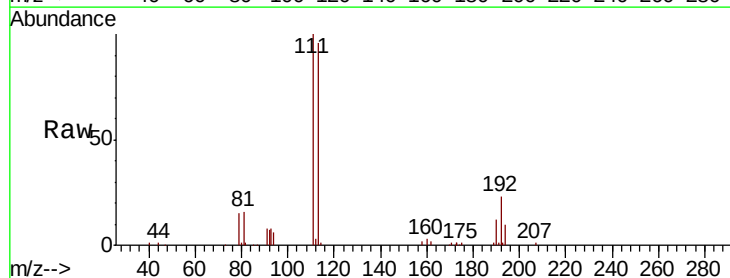
Tgt Ion:113 Resp: 119036

Ion Ratio Lower Upper

113 100

111 101.7 83.0 124.6

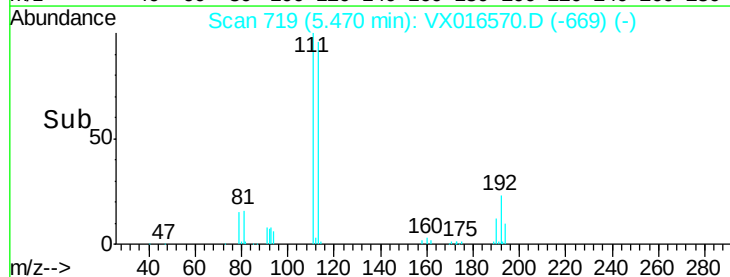
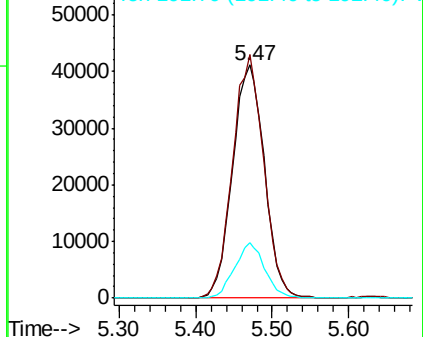
192 22.3 17.7 26.5

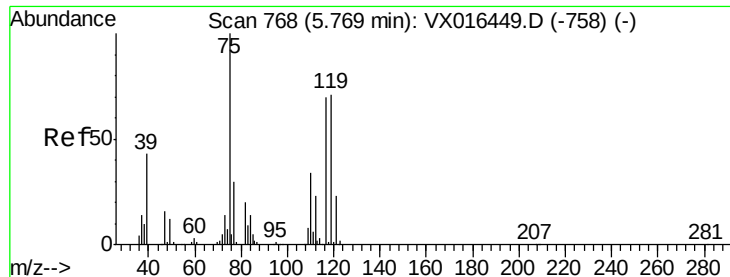


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

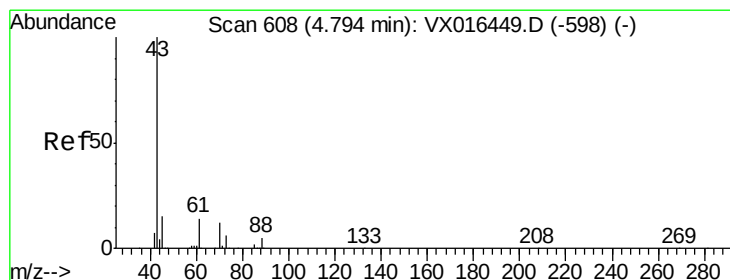
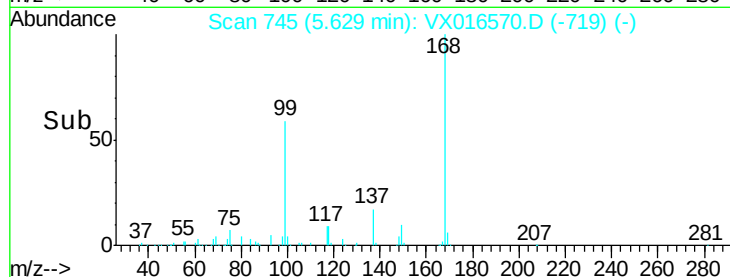
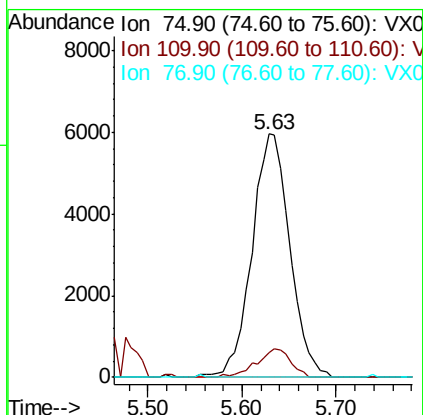
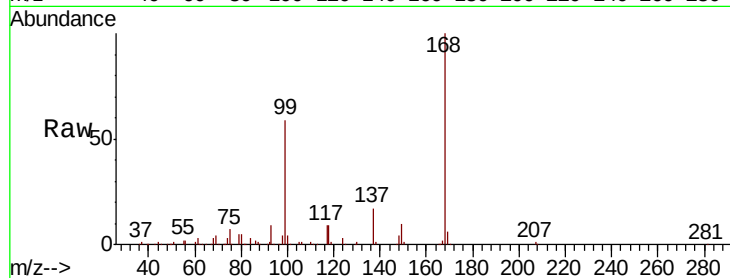




#36
 1,1-Dichloropropene
 Concen: 4.425 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.14 min
 Lab File: VX016570.D
 Acq: 03 Jun 2020 16:43

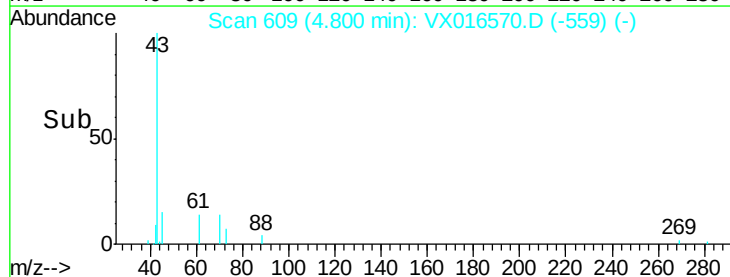
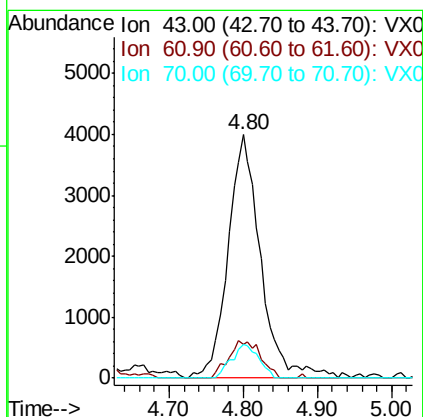
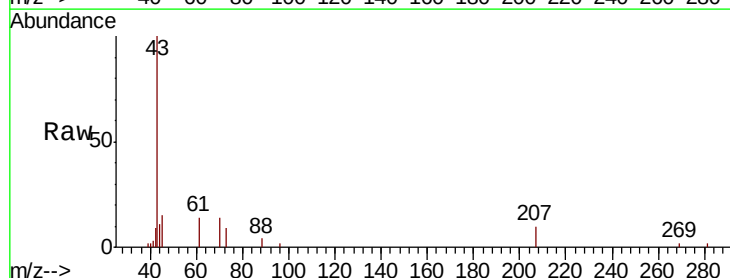
Instrument :
 MSVOA_X
 ClientSampleId :

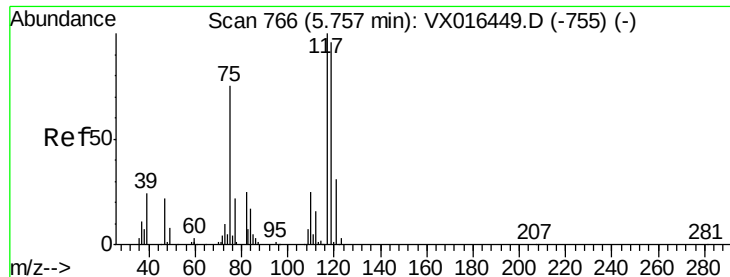
Tot Ion	Ratio	Lower	Upper
75	100		
110	10.6	17.4	52.3#
77	0.0	24.2	36.4#



#37
 Ethyl Acetate
 Concen: 2.671 ug/l
 RT: 4.80 min Scan# 609
 Delta R.T. 0.01 min
 Lab File: VX016570.D
 Acq: 03 Jun 2020 16:43

Tgt Ion	Ratio	Lower	Upper
43	100		
61	15.0	11.3	16.9
70	11.6	9.3	13.9





#38

Carbon Tetrachloride

Concen: 5.826 ug/l

RT: 5.63 min Scan# 746

Delta R.T. -0.12 min

Lab File: VX016570.D

Acq: 03 Jun 2020 16:43

Instrument :

MSVOA_X

ClientSampleId :

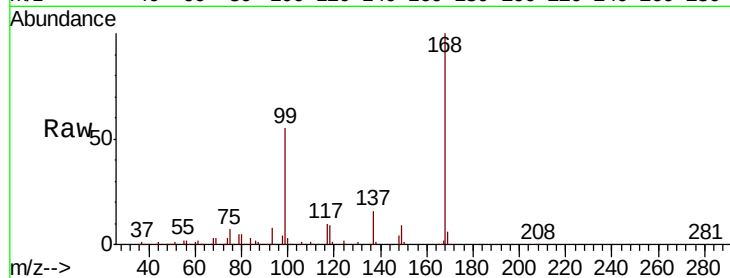
Tot Ion:117 Resp: 23237

Ion Ratio Lower Upper

117 100

119 6.6 76.3 114.5#

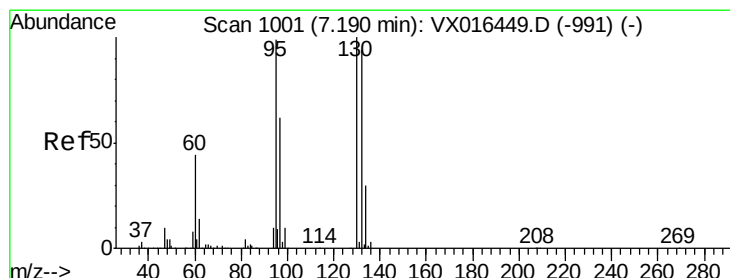
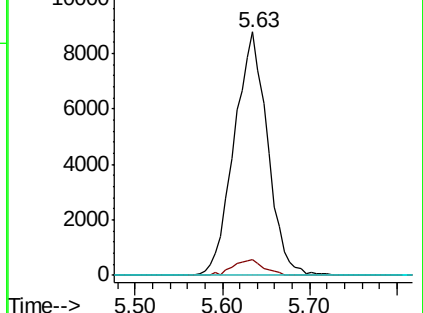
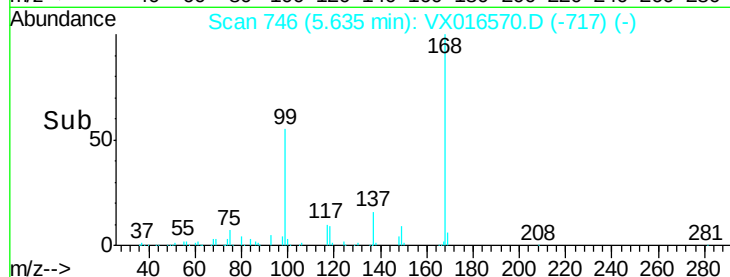
121 0.0 24.6 37.0#



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: 0.637 ug/l

RT: 7.18 min Scan# 1000

Delta R.T. -0.01 min

Lab File: VX016570.D

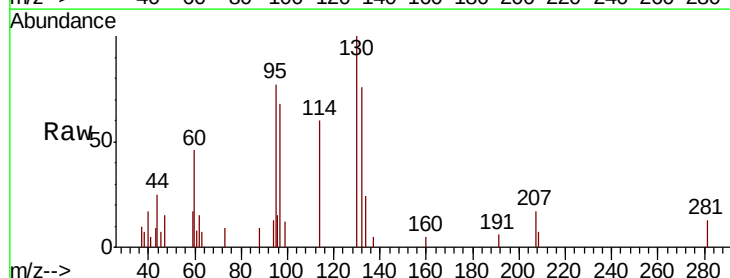
Acq: 03 Jun 2020 16:43

Tgt Ion:130 Resp: 2285

Ion Ratio Lower Upper

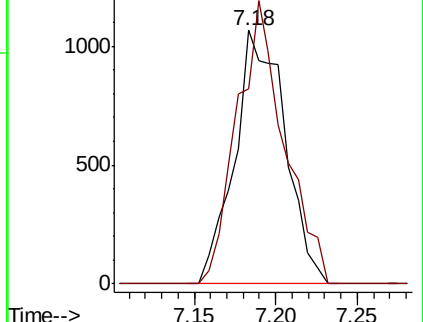
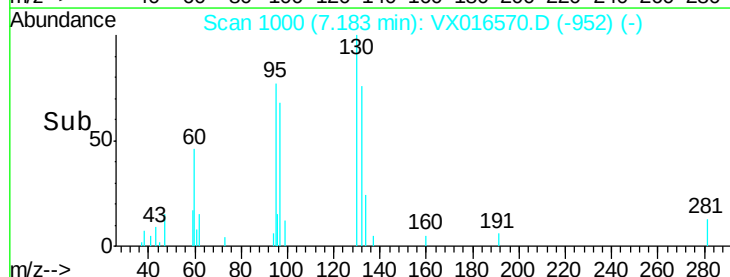
130 100

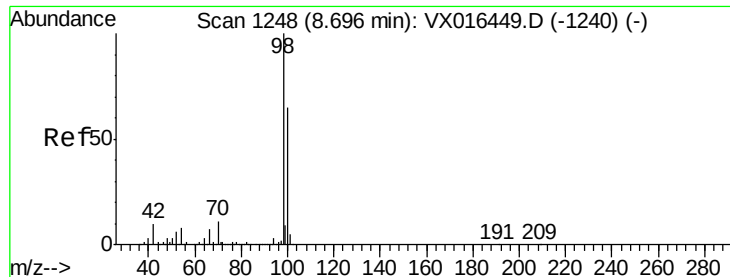
95 76.7 0.0 198.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#50

Toluene-d8

Concen: 51.531 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX016570.D

Acq: 03 Jun 2020 16:43

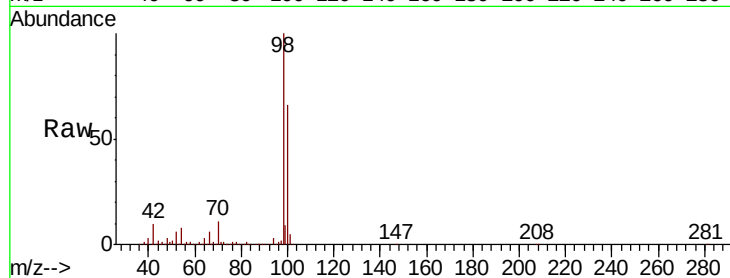
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 98 Resp: 495033

Ion Ratio Lower Upper

98 100

100 66.3 53.8 80.6



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

8.70

300000

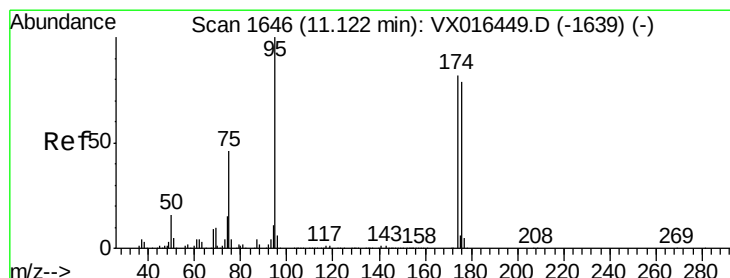
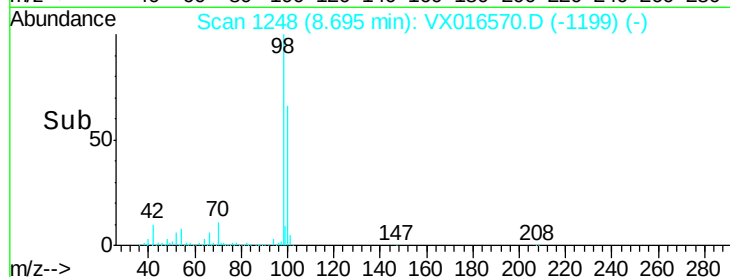
200000

100000

0

Time-->

8.60 8.65 8.70 8.75 8.80



#62

4-Bromofluorobenzene

Concen: 54.858 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016570.D

Acq: 03 Jun 2020 16:43

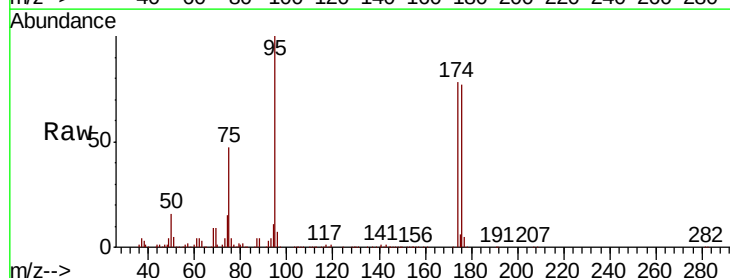
Tgt Ion: 95 Resp: 203630

Ion Ratio Lower Upper

95 100

174 81.9 0.0 163.0

176 80.3 0.0 156.8



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

11.12

200000

150000

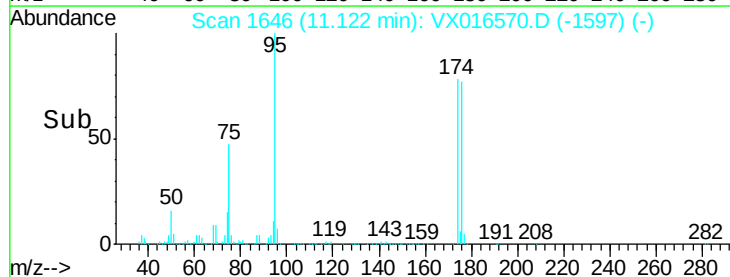
100000

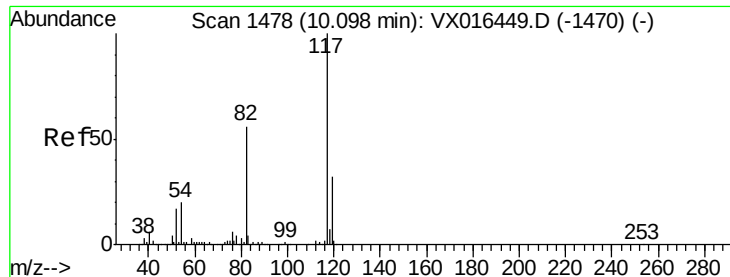
50000

0

Time-->

11.10 11.20

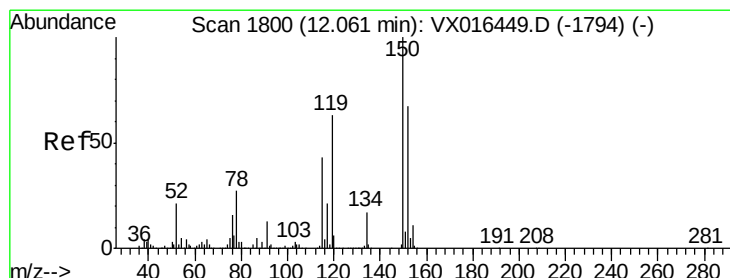
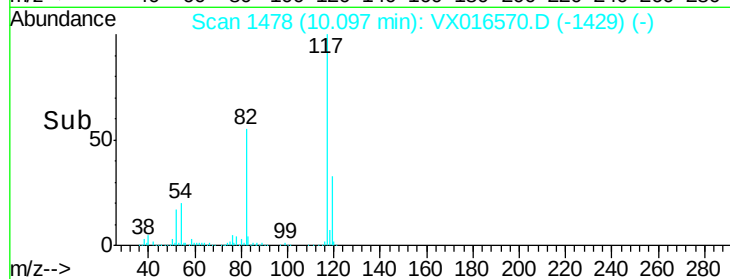
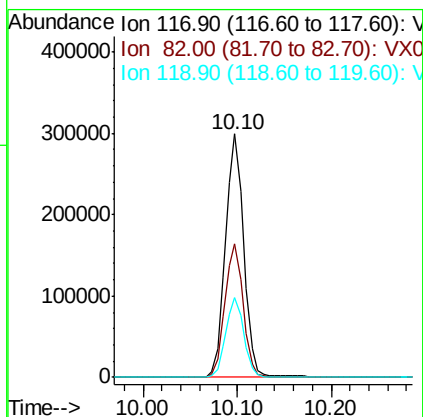
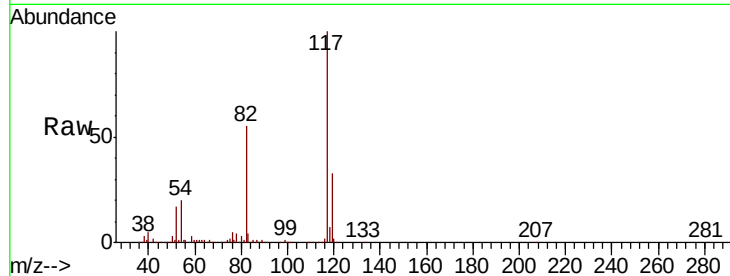




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX016570.D
Acq: 03 Jun 2020 16:43

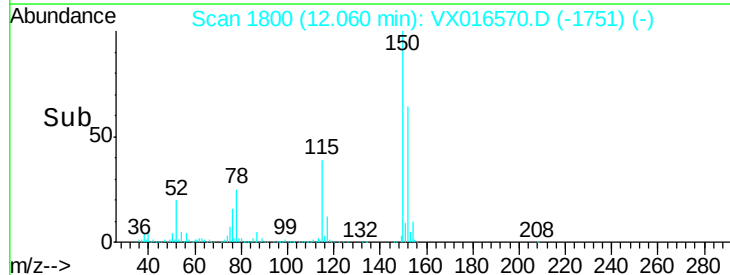
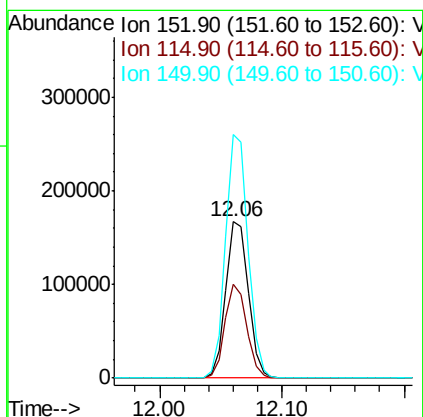
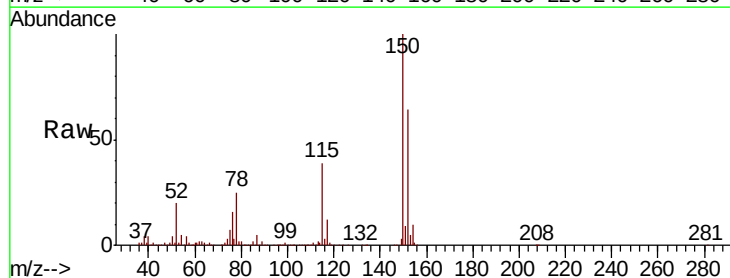
Instrument :
MSVOA_X
ClientSampleId :

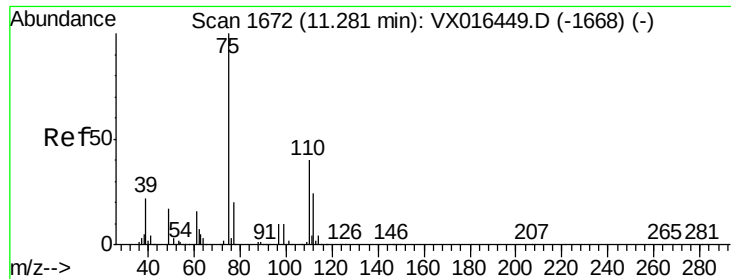
Tot Ion	Ratio	Lower	Upper
117	100		
82	54.7	45.0	67.6
119	32.6	25.8	38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX016570.D
Acq: 03 Jun 2020 16:43

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.5	39.9	119.6
150	154.9	0.0	341.0





#76

1,2,3-Trichloropropane

Concen: 20.956 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016570.D

Acq: 03 Jun 2020 16:43

Instrument :

MSVOA_X

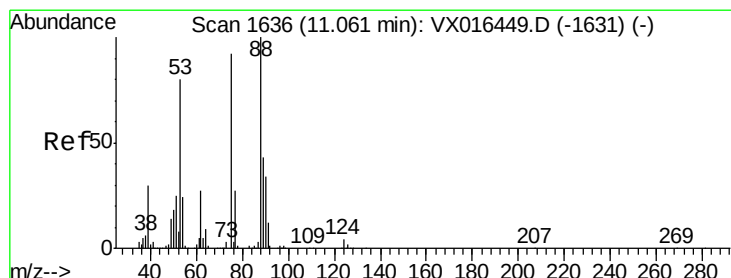
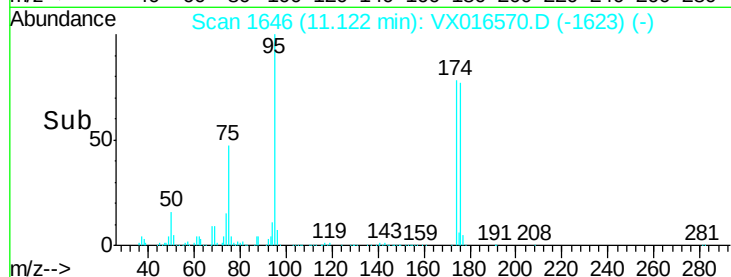
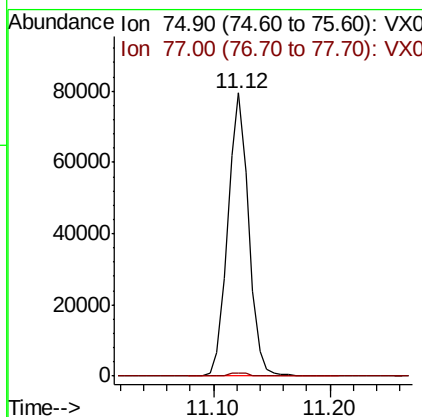
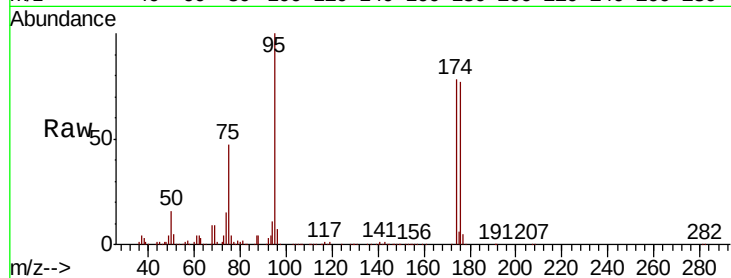
ClientSampled :

Tot Ion: 75 Resp: 98227

Ion Ratio Lower Upper

75 100

77 1.4 21.3 63.7#



#81

trans-1,4-Dichloro-2-butene

Concen: 51.548 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX016570.D

Acq: 03 Jun 2020 16:43

Tgt Ion: 75 Resp: 98227

Ion Ratio Lower Upper

75 100

53 0.1 71.3 106.9#

89 0.1 36.6 55.0#

