

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX060420\
 Data File : VX016590.D
 Acq On : 04 Jun 2020 18:38
 Operator : JC/SP
 Sample : L2894-05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 05 04:23:41 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	5.64	168	234680	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	372419	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	376533	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	201263	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	139101	47.73	ug/l	0.00
Spiked Amount			Recovery	=	95.46%	
35) Dibromofluoromethane	5.46	113	112506	49.06	ug/l	0.00
Spiked Amount			Recovery	=	98.12%	
50) Toluene-d8	8.70	98	462893	51.86	ug/l	0.00
Spiked Amount			Recovery	=	103.72%	
62) 4-Bromofluorobenzene	11.12	95	192032	55.68	ug/l	0.00
Spiked Amount			Recovery	=	111.36%	

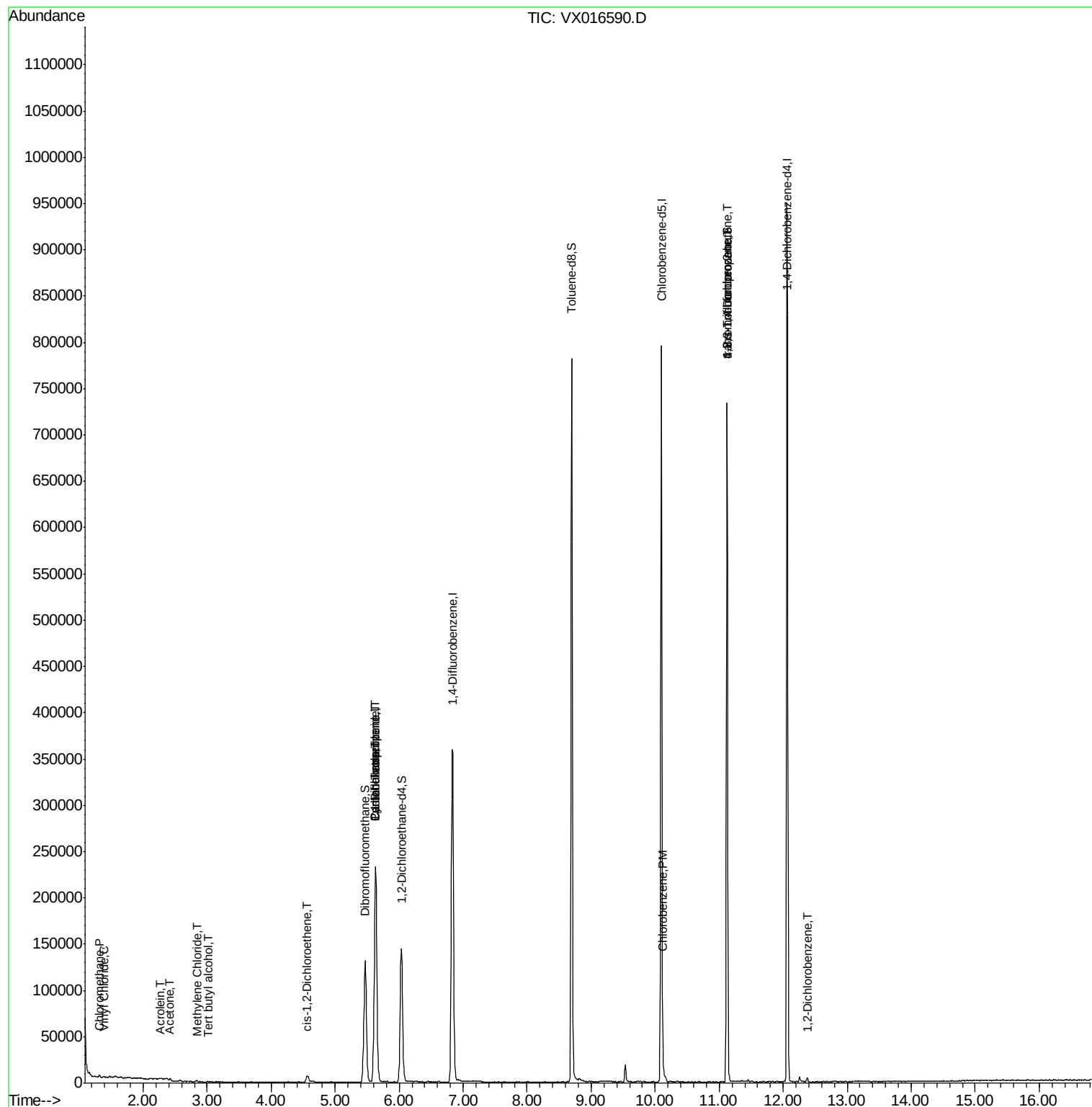
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	1412	0.506	ug/l	97
4) Vinyl Chloride	1.39	62	604	0.205	ug/l #	62
11) Tert butyl alcohol	3.01	59	279	0.373	ug/l #	72
13) Acrolein	2.27	56	104	0.327	ug/l #	1
16) Acetone	2.42	43	3354	2.627	ug/l	98
20) Methylene Chloride	2.84	84	647	0.245	ug/l #	75
27) cis-1,2-Dichloroethene	4.56	96	4711	1.630	ug/l	71
31) Cyclohexane	5.64	56	4265	1.053	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	16377	4.645	ug/l #	52
38) Carbon Tetrachloride	5.64	117	22738	6.136	ug/l #	16
65) Chlorobenzene	10.12	112	5718	0.745	ug/l	98
76) 1,2,3-Trichloropropane	11.12	75	93104	21.046	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	93104	51.770	ug/l #	14
91) 1,2-Dichlorobenzene	12.38	146	1442	0.235	ug/l	98

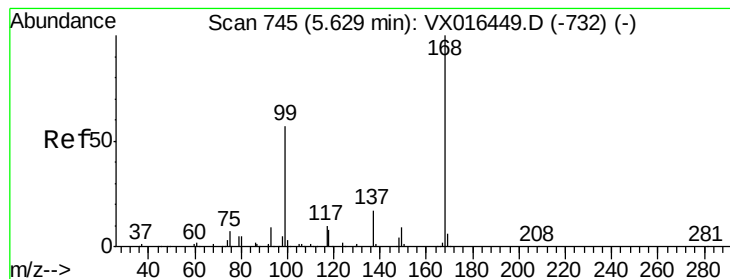
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. 0.01 min

Lab File: VX016590.D

Acq: 04 Jun 2020 18:38

Instrument :

MSVOA_X

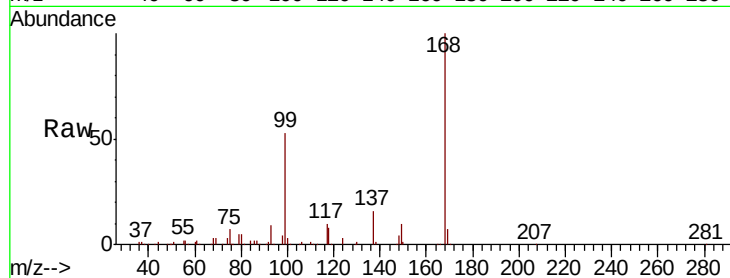
ClientSampleId :

Tot Ion:168 Resp: 234680

Ion Ratio Lower Upper

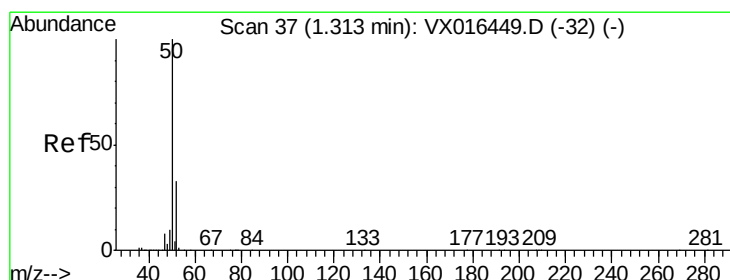
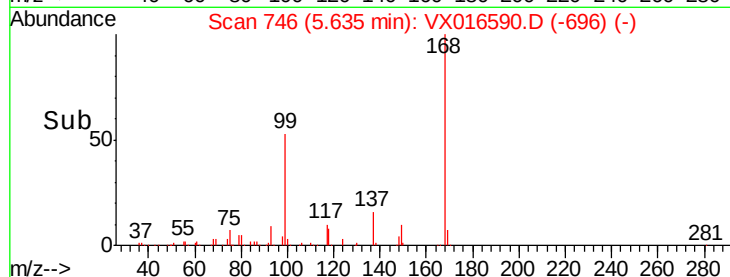
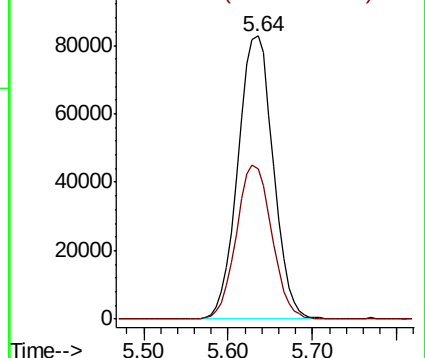
168 100

99 53.1 45.2 67.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.506 ug/l

RT: 1.32 min Scan# 38

Delta R.T. 0.01 min

Lab File: VX016590.D

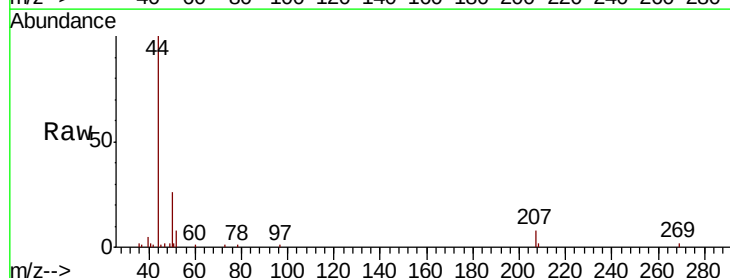
Acq: 04 Jun 2020 18:38

Tgt Ion: 50 Resp: 1412

Ion Ratio Lower Upper

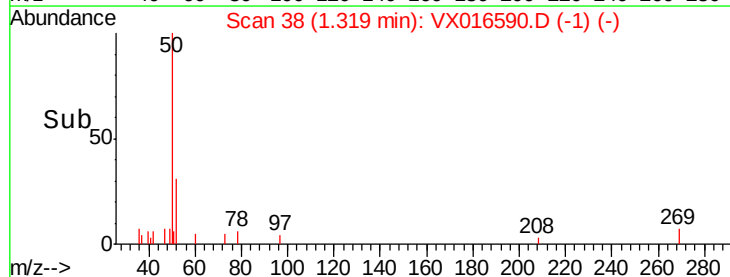
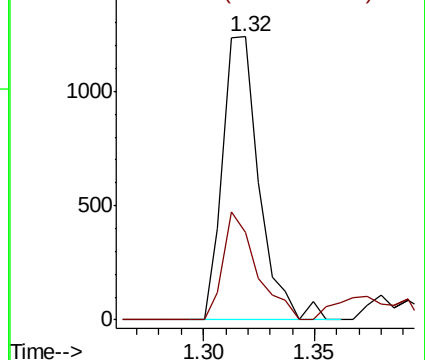
50 100

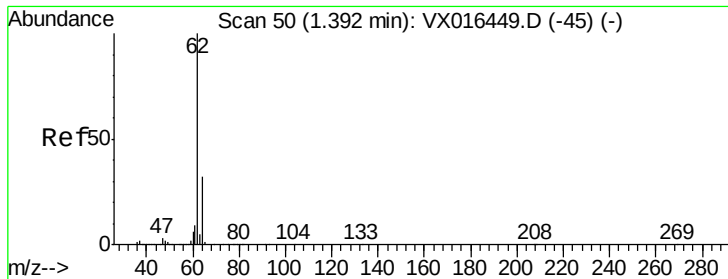
52 30.9 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#4

Vinyl Chloride

Concen: 0.205 ug/l

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX016590.D

Acq: 04 Jun 2020 18:38

Instrument :

MSVOA_X

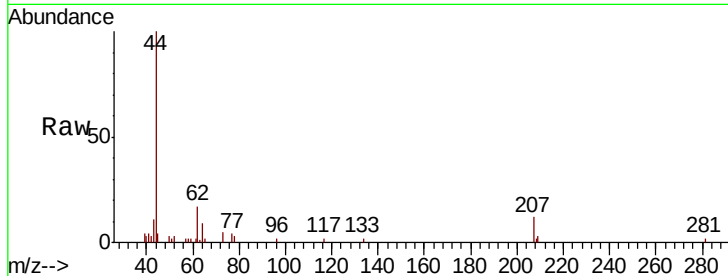
ClientSampleId :

Tot Ion: 62 Resp: 604

Ion Ratio Lower Upper

62 100

64 53.6 25.9 38.9#



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.39

600

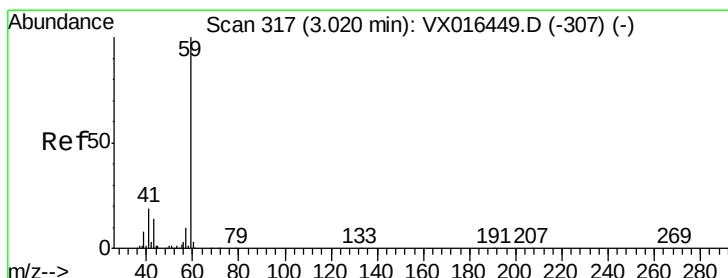
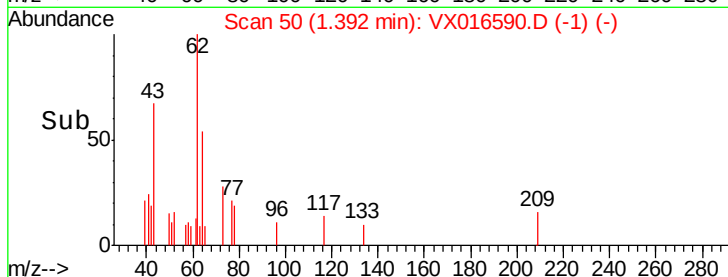
400

200

0

1.36 1.38 1.40 1.42 1.44

Time-->



#11

Tert butyl alcohol

Concen: 0.373 ug/l

RT: 3.01 min Scan# 316

Delta R.T. -0.01 min

Lab File: VX016590.D

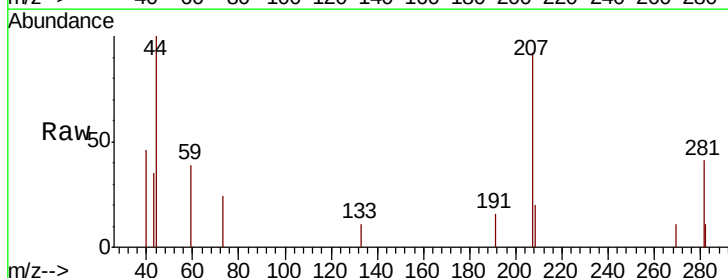
Acq: 04 Jun 2020 18:38

Tgt Ion: 59 Resp: 279

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

3.01

200

150

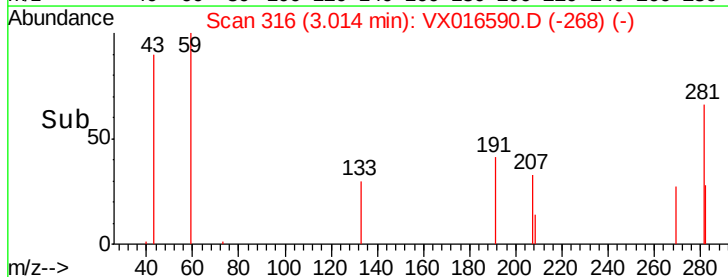
100

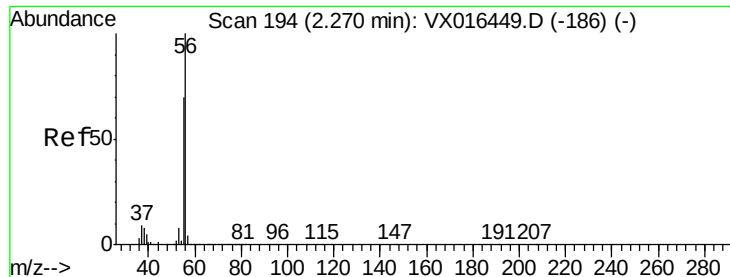
50

0

2.95 3.00 3.05

Time-->





#13

Acrolein

Concen: 0.327 ug/l

RT: 2.27 min Scan# 194

Delta R.T. -0.00 min

Lab File: VX016590.D

Acq: 04 Jun 2020 18:38

Instrument :

MSVOA_X

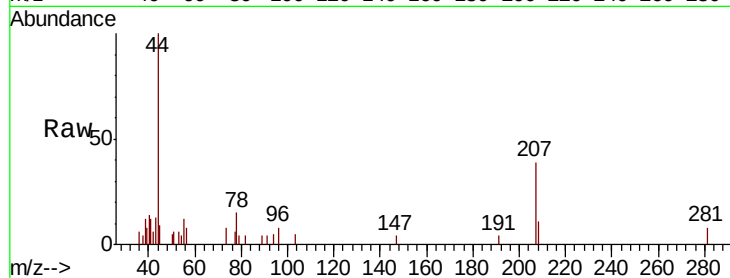
ClientSampled :

Tot Ion: 56 Resp: 104

Ion Ratio Lower Upper

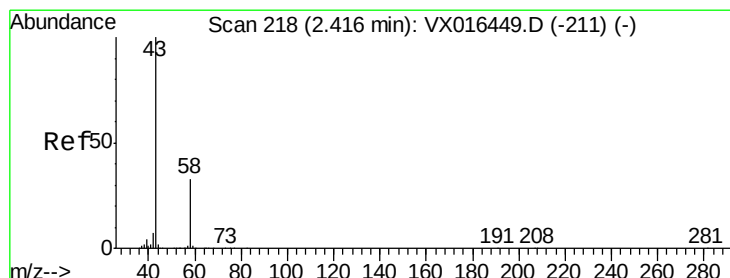
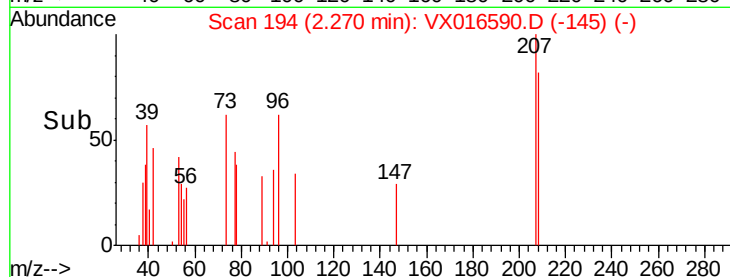
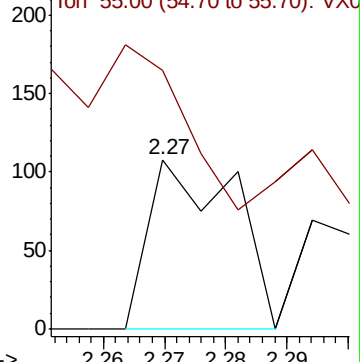
56 100

55 164.4 58.3 87.5#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 2.627 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.00 min

Lab File: VX016590.D

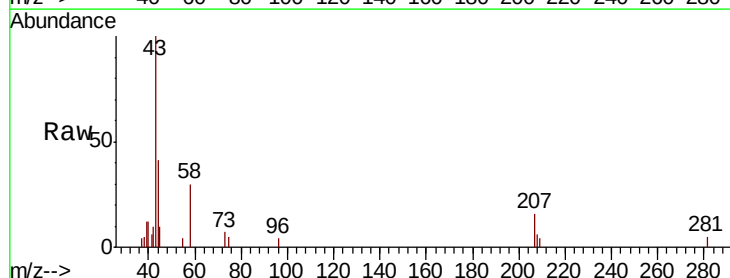
Acq: 04 Jun 2020 18:38

Tgt Ion: 43 Resp: 3354

Ion Ratio Lower Upper

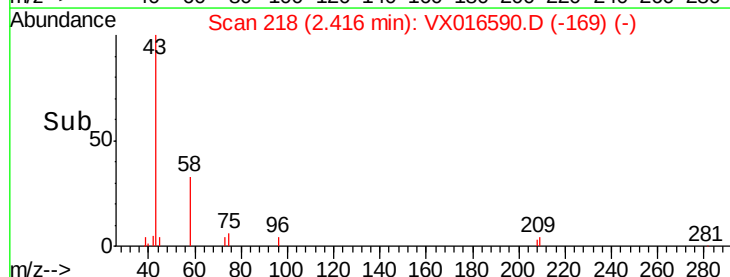
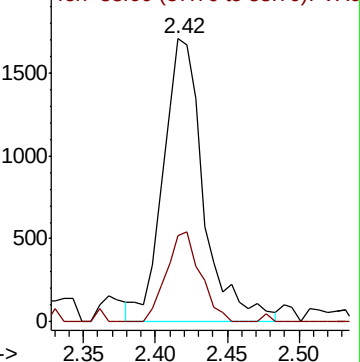
43 100

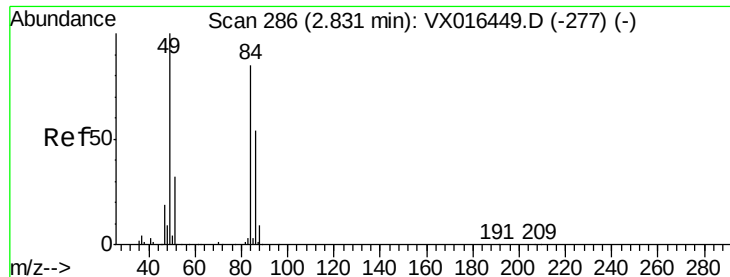
58 31.3 26.1 39.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

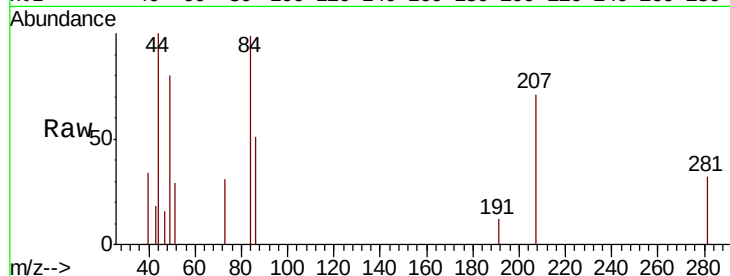




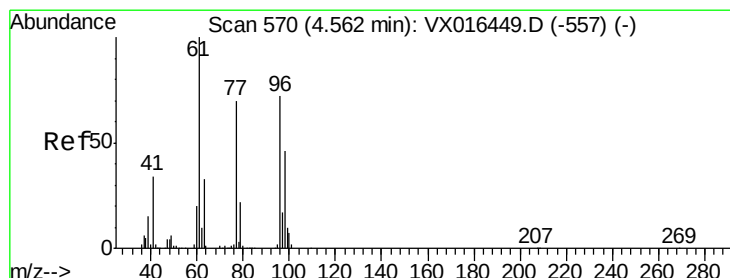
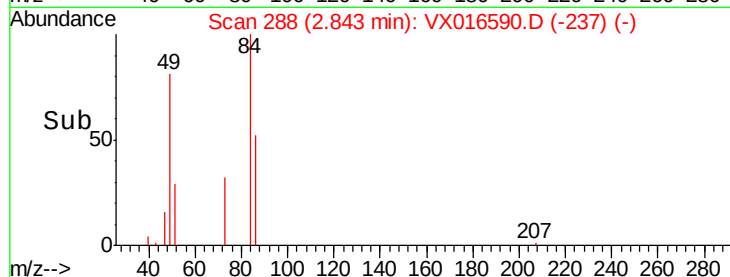
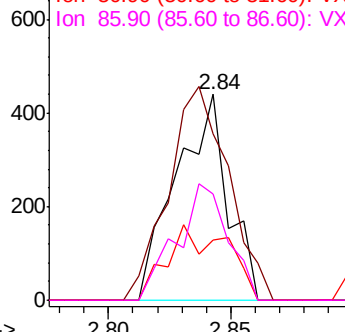
#20
Methylene Chloride
Concen: 0.245 ug/l
RT: 2.84 min Scan# 288
Delta R.T. 0.01 min
Lab File: VX016590.D
Acq: 04 Jun 2020 18:38

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 84 Resp: 647
Ion Ratio Lower Upper
84 100
49 80.6 94.5 141.7#
51 28.9 30.2 45.4#
86 51.9 51.1 76.7

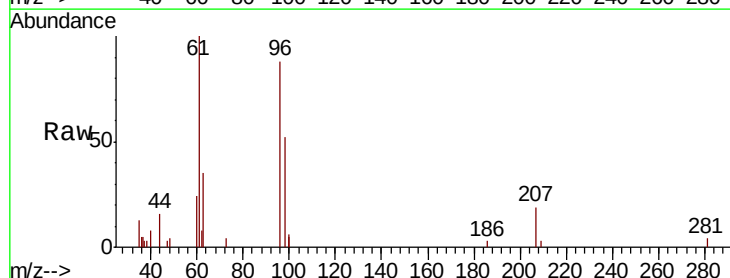


Abundance Ion 83.90 (83.60 to 84.60): VX0
Ion 48.90 (48.60 to 49.60): VX0
Ion 50.90 (50.60 to 51.60): VX0
Ion 85.90 (85.60 to 86.60): VX0

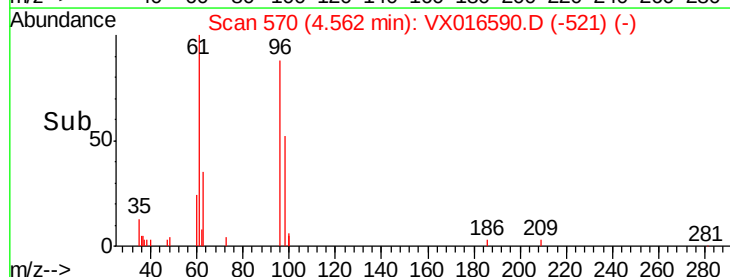
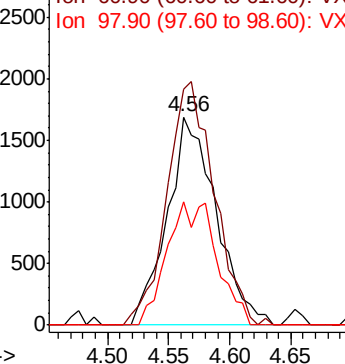


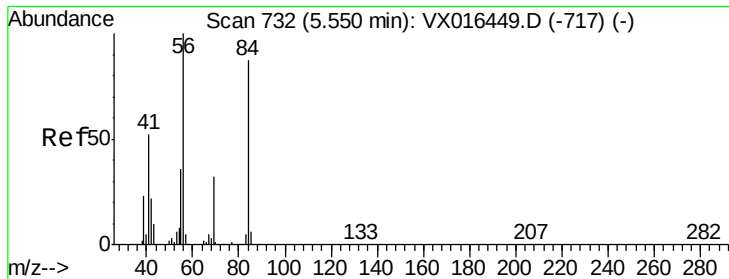
#27
cis-1,2-Dichloroethene
Concen: 1.630 ug/l
RT: 4.56 min Scan# 570
Delta R.T. -0.00 min
Lab File: VX016590.D
Acq: 04 Jun 2020 18:38

Tgt Ion: 96 Resp: 4711
Ion Ratio Lower Upper
96 100
61 113.0 0.0 284.6
98 31.4 0.0 127.2



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

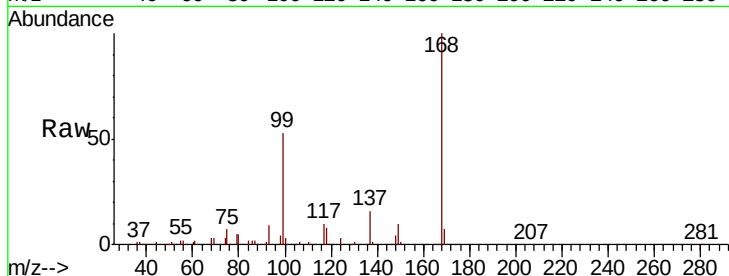




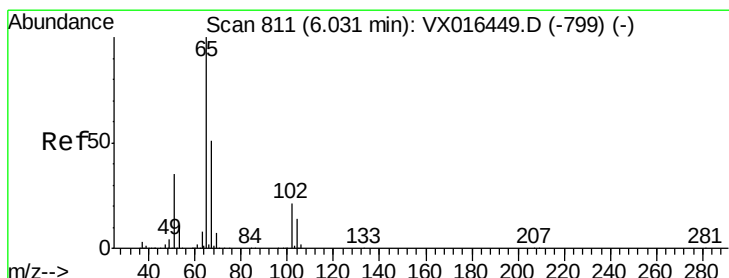
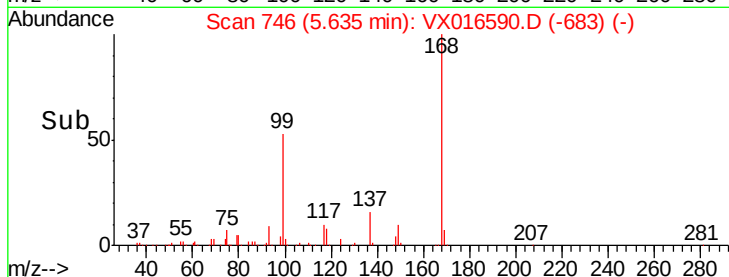
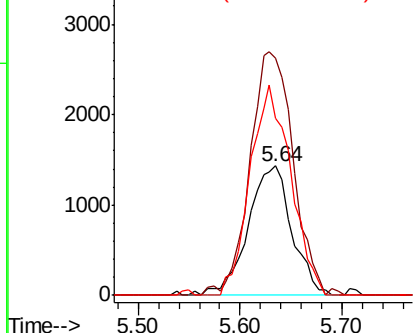
#31
Cyclohexane
Concen: 1.053 ug/l
RT: 5.64 min Scan# 746
Delta R.T. 0.09 min
Lab File: VX016590.D
Acq: 04 Jun 2020 18:38

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 56 Resp: 4265
Ion Ratio Lower Upper
56 100
69 183.0 25.7 38.5#
84 136.7 70.0 105.0#

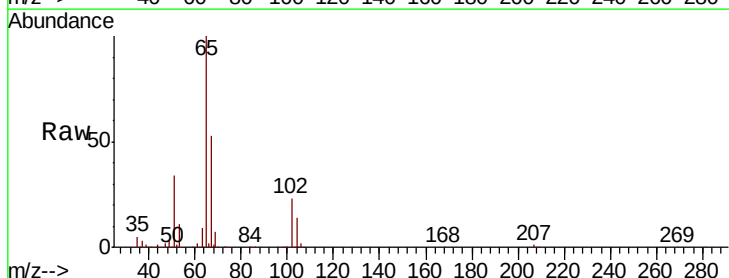


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

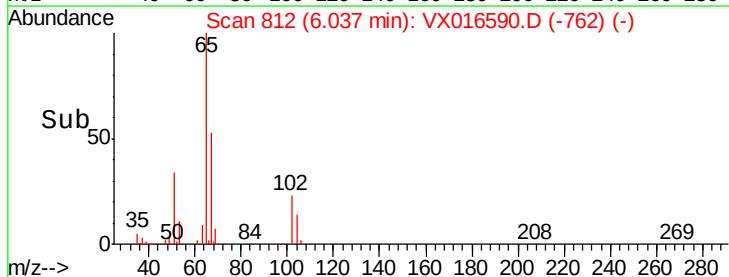
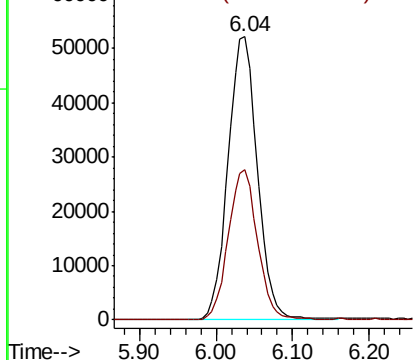


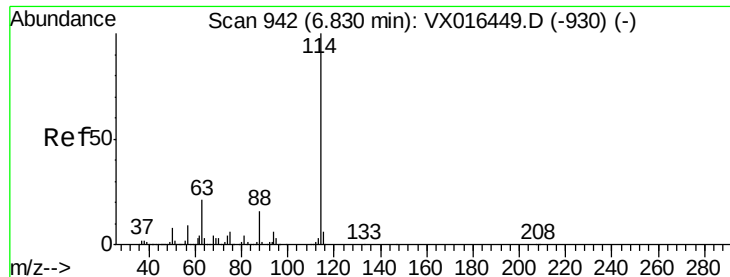
#33
1,2-Dichloroethane-d4
Concen: 47.728 ug/l
RT: 6.04 min Scan# 812
Delta R.T. 0.01 min
Lab File: VX016590.D
Acq: 04 Jun 2020 18:38

Tgt Ion: 65 Resp: 139101
Ion Ratio Lower Upper
65 100
67 52.6 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: VX016590.D

Acq: 04 Jun 2020 18:38

Instrument :

MSVOA_X

ClientSampleId :

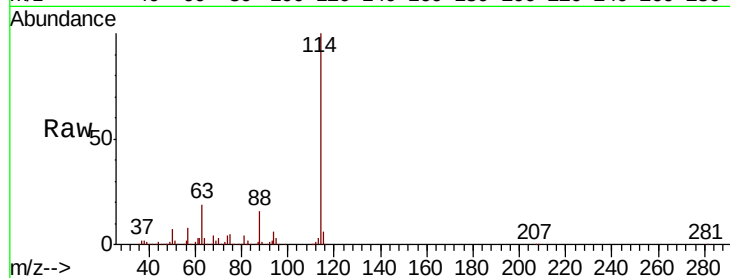
Tot Ion:114 Resp: 372419

Ion Ratio Lower Upper

114 100

63 19.4 0.0 42.6

88 15.7 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

6.84

200000

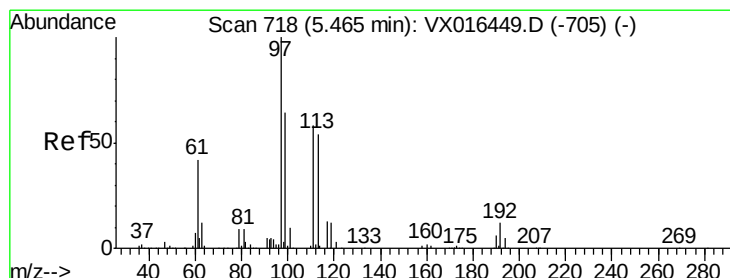
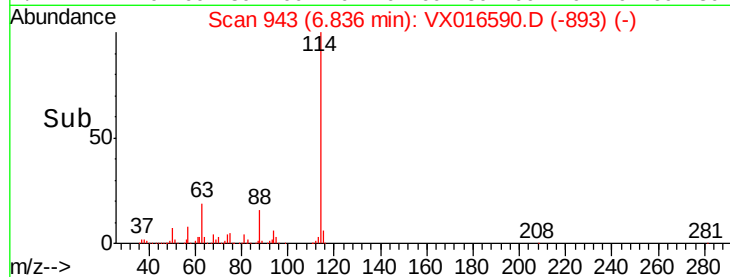
150000

100000

50000

0

Time--> 6.70 6.80 6.90



#35

Dibromofluoromethane

Concen: 49.062 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.00 min

Lab File: VX016590.D

Acq: 04 Jun 2020 18:38

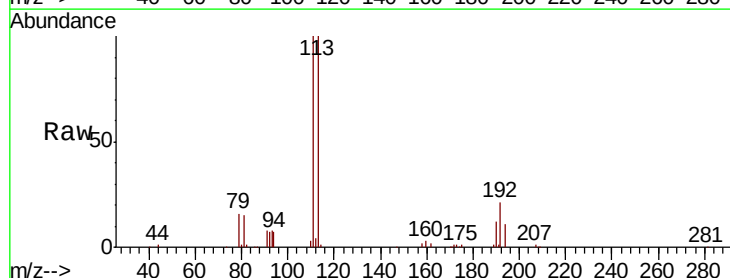
Tgt Ion:113 Resp: 112506

Ion Ratio Lower Upper

113 100

111 102.6 83.0 124.6

192 22.4 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

5.46

50000

40000

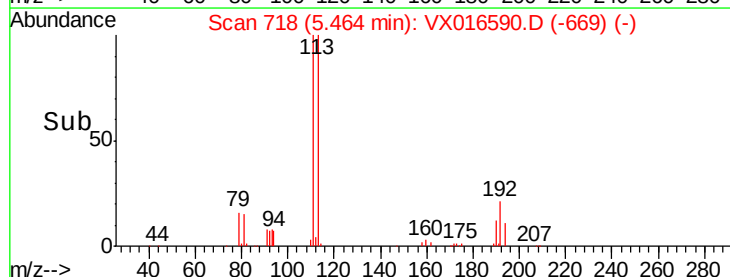
30000

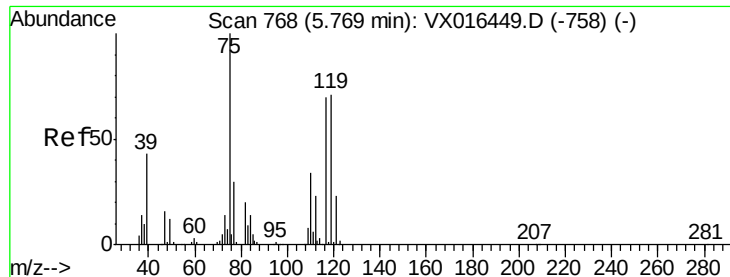
20000

10000

0

Time--> 5.30 5.40 5.50 5.60

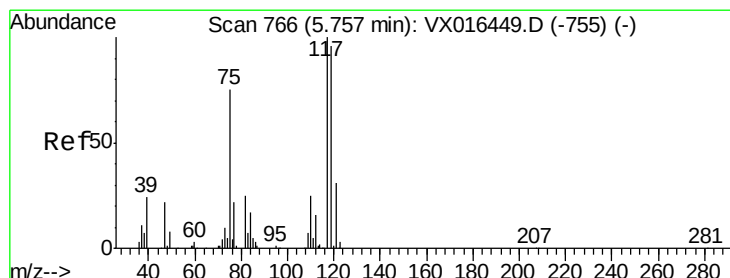
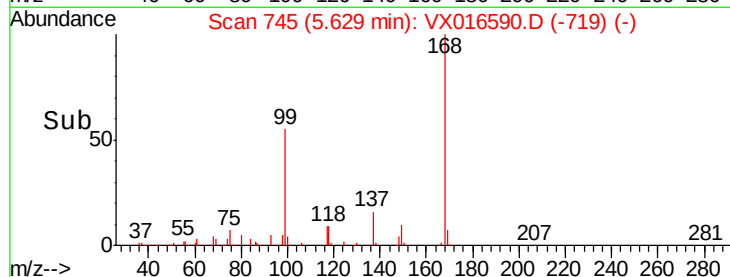
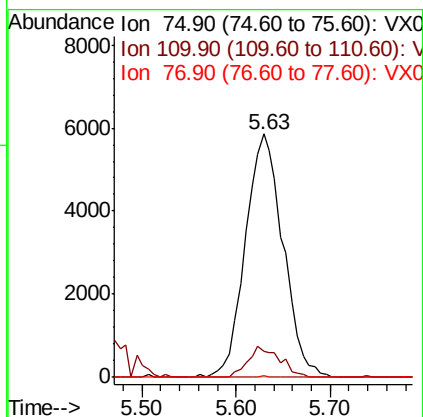
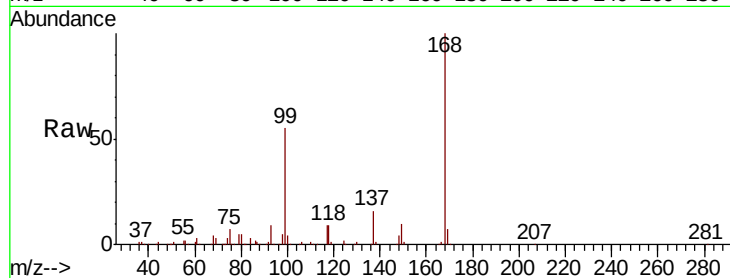




#36
 1,1-Dichloropropene
 Concen: 4.645 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.14 min
 Lab File: VX016590.D
 Acq: 04 Jun 2020 18:38

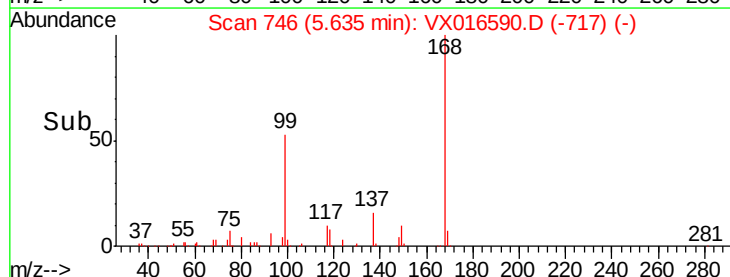
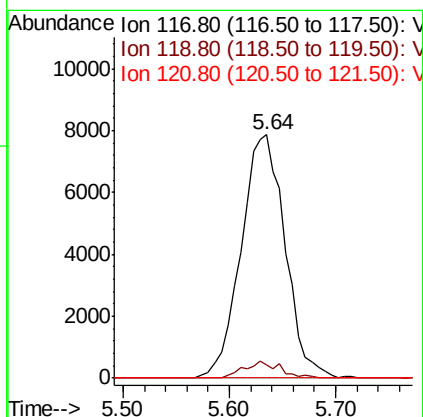
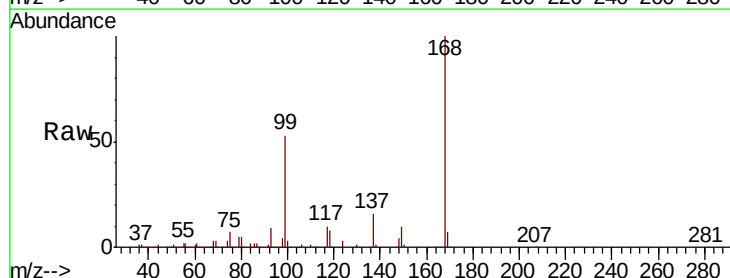
Instrument :
 MSVOA_X
 ClientSampleId :

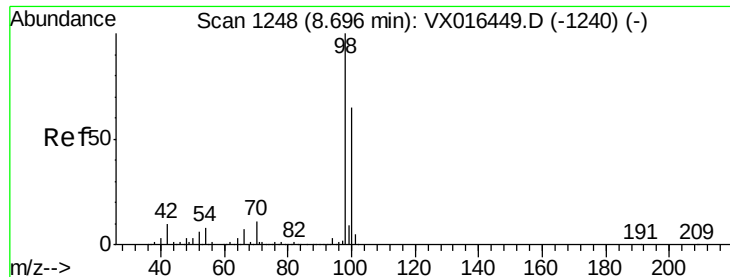
Tot Ion	Ratio	Lower	Upper
75	100		
110	10.9	17.4	52.3#
77	0.1	24.2	36.4#



#38
 Carbon Tetrachloride
 Concen: 6.136 ug/l
 RT: 5.64 min Scan# 746
 Delta R.T. -0.12 min
 Lab File: VX016590.D
 Acq: 04 Jun 2020 18:38

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.2	76.3	114.5#
121	0.0	24.6	37.0#





#50

Toluene-d8

Concen: 51.862 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX016590.D

Acq: 04 Jun 2020 18:38

Instrument :

MSVOA_X

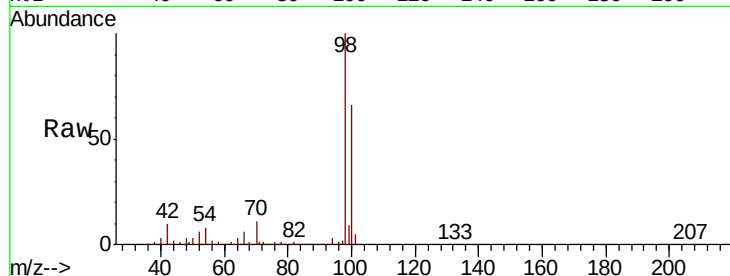
ClientSampleId :

Tot Ion: 98 Resp: 462893

Ion Ratio Lower Upper

98 100

100 66.7 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

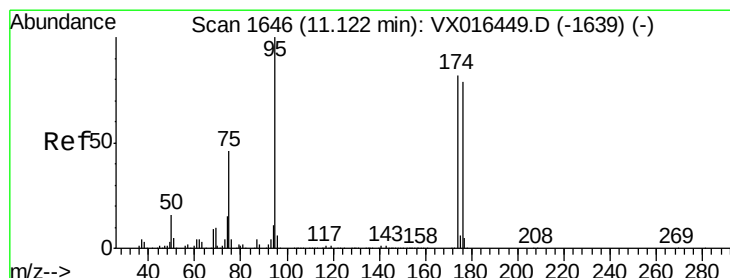
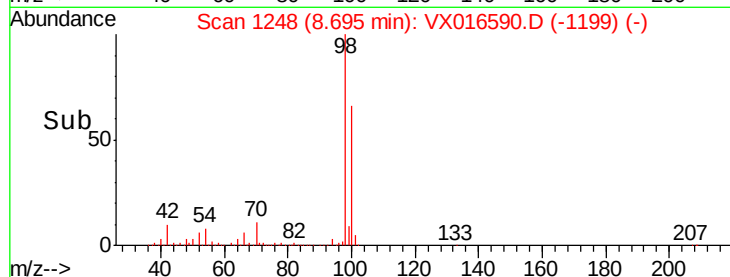
200000

100000

0

Time-->

8.60 8.65 8.70 8.75 8.80



#62

4-Bromofluorobenzene

Concen: 55.681 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016590.D

Acq: 04 Jun 2020 18:38

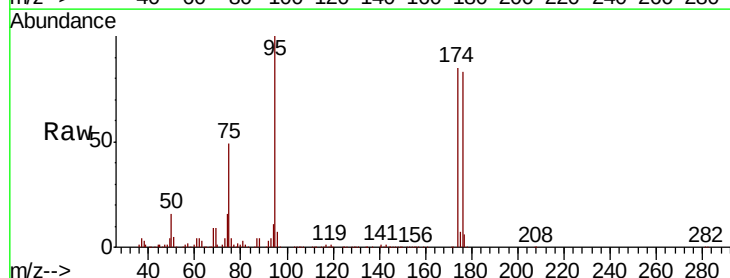
Tgt Ion: 95 Resp: 192032

Ion Ratio Lower Upper

95 100

174 83.8 0.0 163.0

176 82.4 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

200000

150000

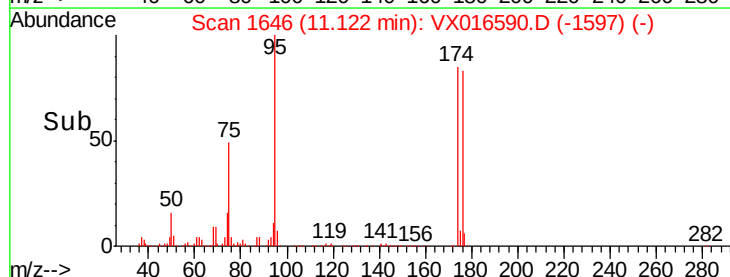
100000

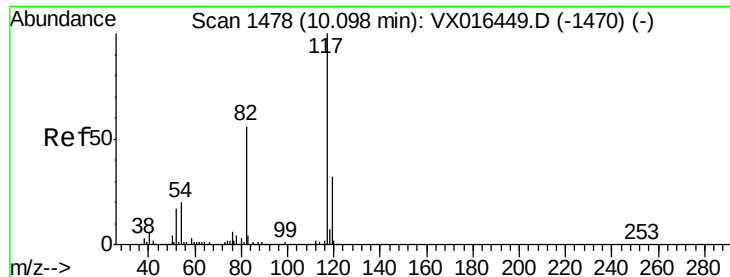
50000

0

Time-->

11.10 11.20

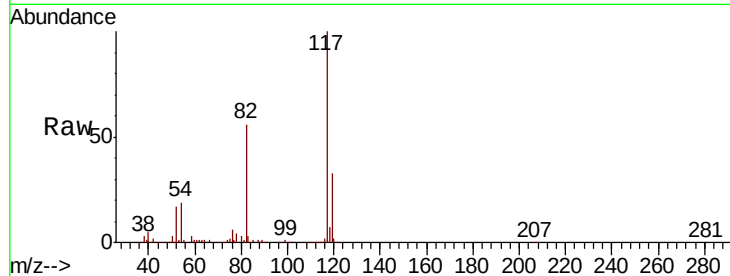




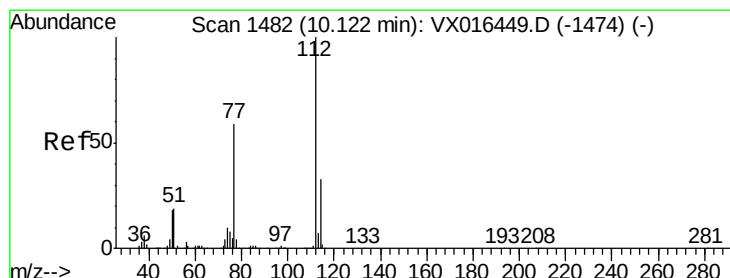
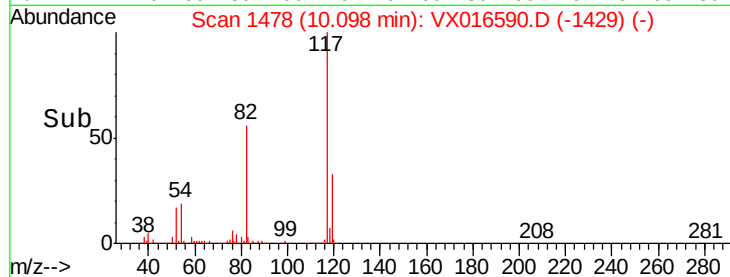
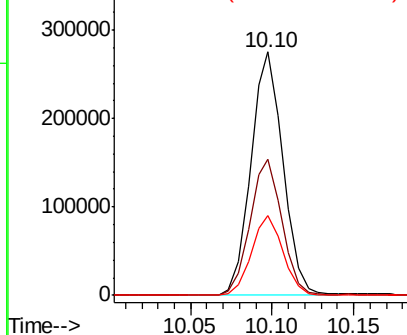
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX016590.D
Acq: 04 Jun 2020 18:38

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:117 Resp: 376533
Ion Ratio Lower Upper
117 100
82 55.7 45.0 67.6
119 32.6 25.8 38.8

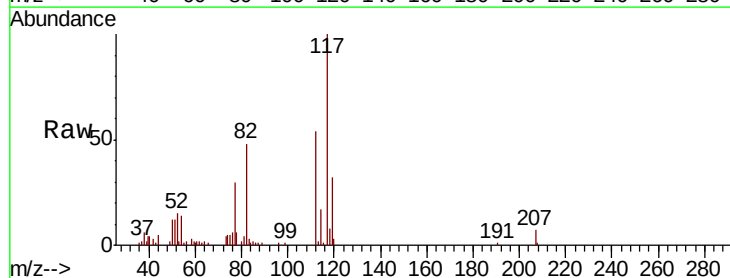


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

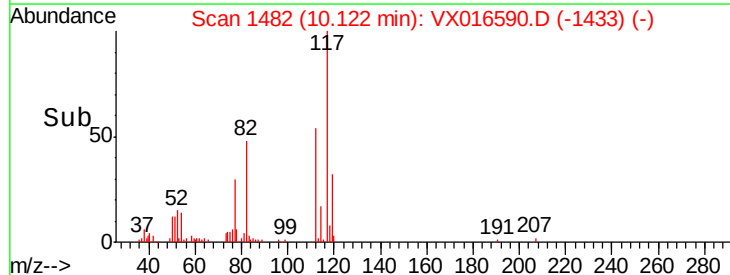
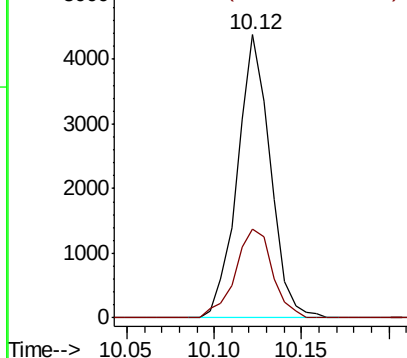


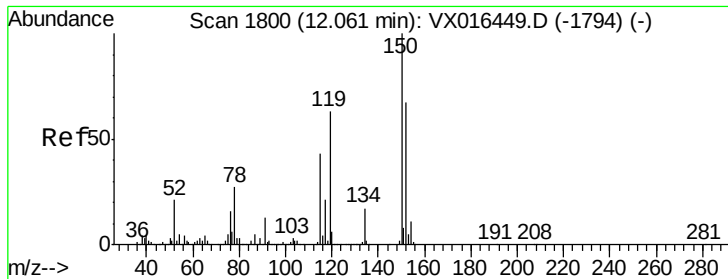
#65
Chlorobenzene
Concen: 0.745 ug/l
RT: 10.12 min Scan# 1482
Delta R.T. -0.00 min
Lab File: VX016590.D
Acq: 04 Jun 2020 18:38

Tgt Ion:112 Resp: 5718
Ion Ratio Lower Upper
112 100
114 31.4 26.0 39.0



Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX016590.D

Acq: 04 Jun 2020 18:38

Instrument :

MSVOA_X

ClientSampleId :

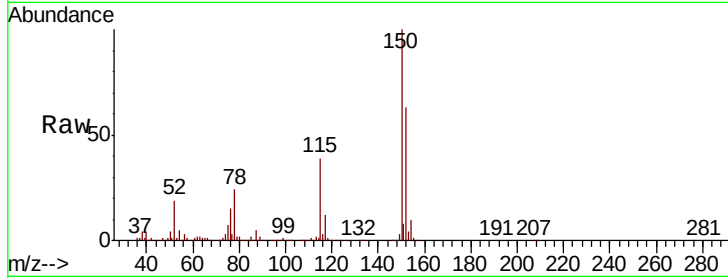
Tot Ion:152 Resp: 201263

Ion Ratio Lower Upper

152 100

115 58.5 39.9 119.6

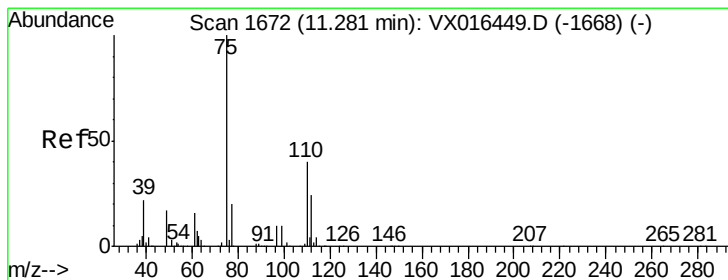
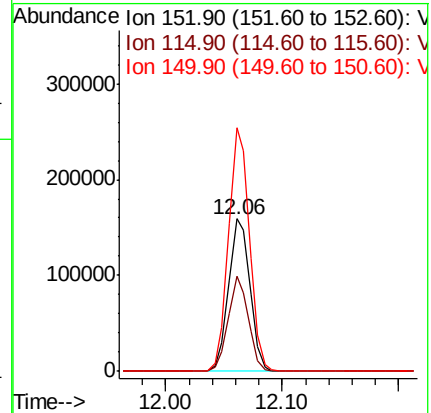
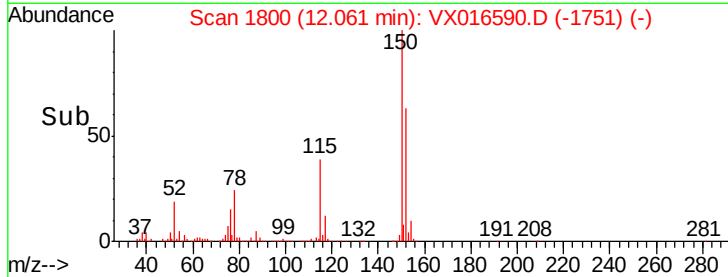
150 156.4 0.0 341.0



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: 21.046 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016590.D

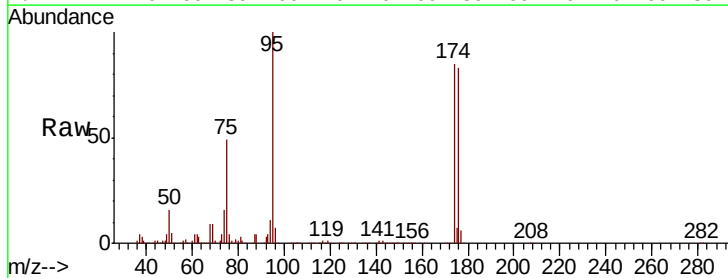
Acq: 04 Jun 2020 18:38

Tgt Ion: 75 Resp: 93104

Ion Ratio Lower Upper

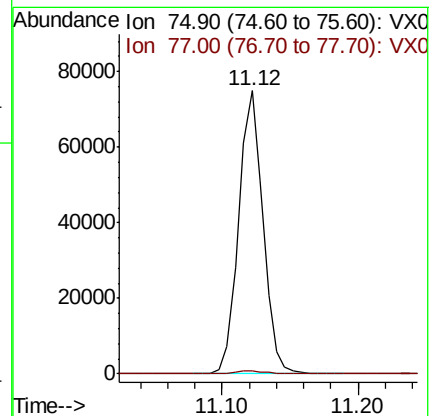
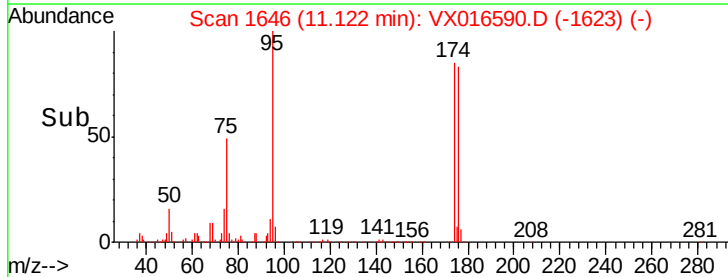
75 100

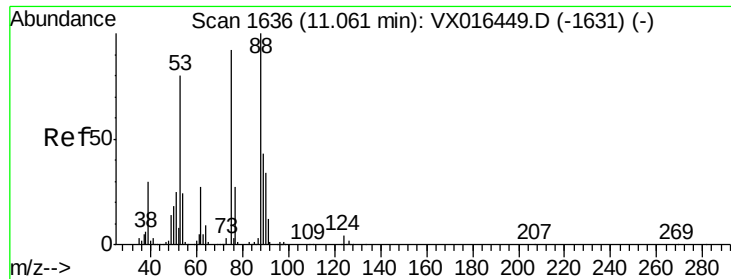
77 1.2 21.3 63.7#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

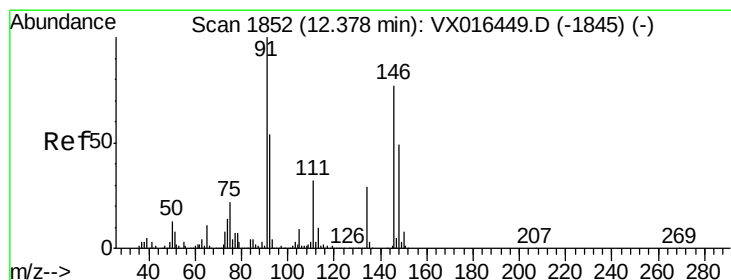
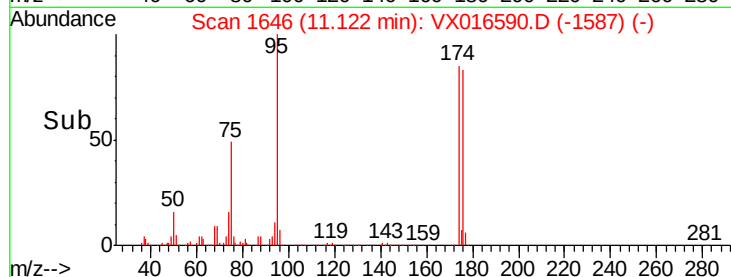
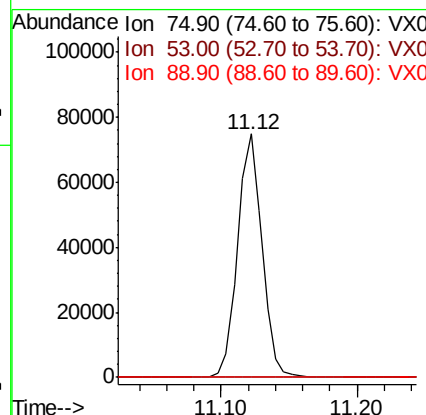
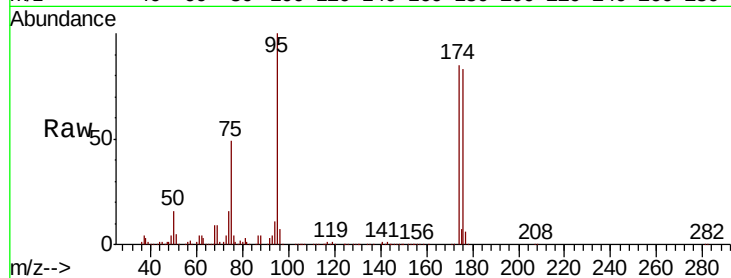




#81
trans-1,4-Dichloro-2-butene
Concen: 51.770 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. 0.06 min
Lab File: VX016590.D
Acq: 04 Jun 2020 18:38

Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 75 Resp: 93104
Ion Ratio Lower Upper
75 100
53 0.0 71.3 106.9#
89 0.0 36.6 55.0#



#91
1,2-Dichlorobenzene
Concen: 0.235 ug/l
RT: 12.38 min Scan# 1852
Delta R.T. -0.00 min
Lab File: VX016590.D
Acq: 04 Jun 2020 18:38

Tgt Ion: 146 Resp: 1442
Ion Ratio Lower Upper
146 100
111 42.9 21.4 64.3
148 66.6 31.9 95.7

