

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX042420\
 Data File : VX015934.D
 Acq On : 24 Apr 2020 16:36
 Operator : JC/SP
 Sample : VX0424WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0424WBL01

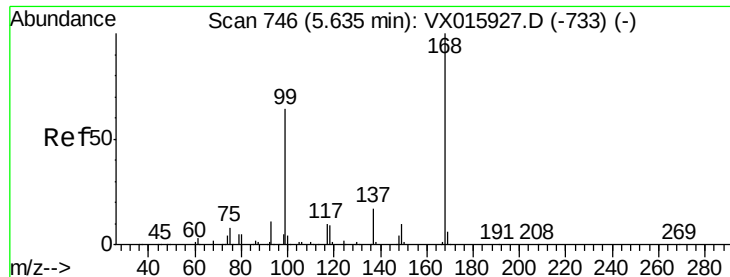
Quant Time: Apr 25 06:50:42 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042420W.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 24 13:17:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	137003	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	255104	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	242256	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	111279	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	98860	51.10	ug/l	0.00
Spiked Amount						
35) Dibromofluoromethane	5.46	113	75681	54.40	ug/l	0.00
Spiked Amount						
50) Toluene-d8	8.70	98	320324	54.38	ug/l	0.00
Spiked Amount						
62) 4-Bromofluorobenzene	11.12	95	126624	53.00	ug/l	0.00
Spiked Amount						

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	980	0.631	ug/l	97
5) Bromomethane	1.64	94	525	0.733	ug/l	86
10) Methyl Iodide	2.50	142	612	5.137	ug/l #	95
12) 1,1-Dichloroethene	2.36	96	417	0.269	ug/l #	42
13) Acrolein	2.27	56	478	1.853	ug/l #	51
14) Allyl chloride	2.70	41	763	0.278	ug/l #	51
15) Acrylonitrile	3.11	53	248	0.273	ug/l #	67
16) Acetone	2.42	43	592	0.816	ug/l	98
17) Carbon Disulfide	2.55	76	3074	0.422	ug/l #	86
20) Methylene Chloride	2.82	84	360	0.201	ug/l #	63
27) cis-1,2-Dichloroethene	4.56	96	435	0.221	ug/l #	11
29) Tetrahydrofuran	5.10	42	213	0.274	ug/l #	29
31) Cyclohexane	5.62	56	3359	1.158	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	12913	5.304	ug/l #	49
38) Carbon Tetrachloride	5.63	117	14727	6.619	ug/l #	16
51) 4-Methyl-2-Pentanone	8.62	43	477	0.203	ug/l #	71
59) 2-Hexanone	9.48	43	541	0.303	ug/l #	47
76) 1,2,3-Trichloropropane	11.12	75	63721	26.695	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.12	75	63721	60.133	ug/l #	14
93) 1,2,4-Trichlorobenzene	13.63	180	744	0.344	ug/l	97
94) Hexachlorobutadiene	13.76	225	181	0.236	ug/l	80
95) Naphthalene	13.82	128	2582	0.329	ug/l	96
96) 1,2,3-Trichlorobenzene	14.01	180	711	0.348	ug/l	89

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.01 min

Lab File: VX015934.D

Acq: 24 Apr 2020 16:36

Instrument :

MSVOA_X

ClientSampleId :

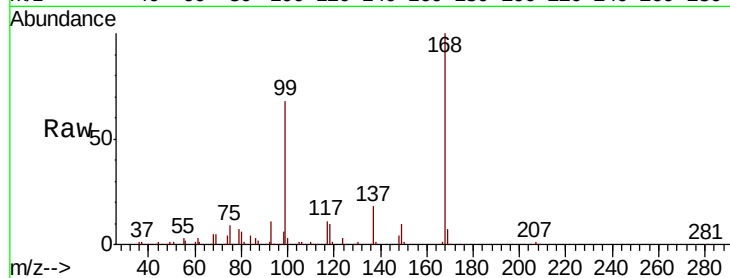
VX0424WBL01

Tot Ion:168 Resp: 137003

Ion Ratio Lower Upper

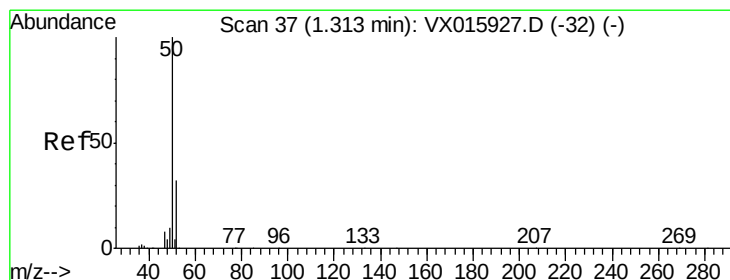
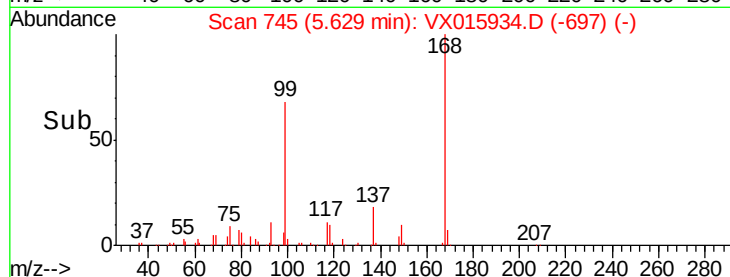
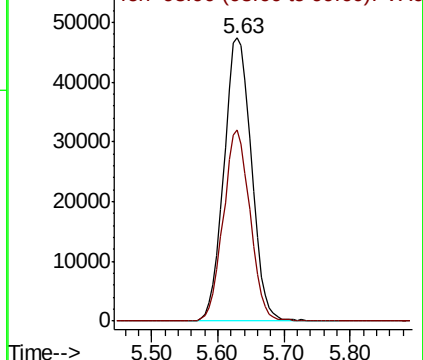
168 100

99 67.6 51.2 76.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.631 ug/l

RT: 1.31 min Scan# 37

Delta R.T. 0.00 min

Lab File: VX015934.D

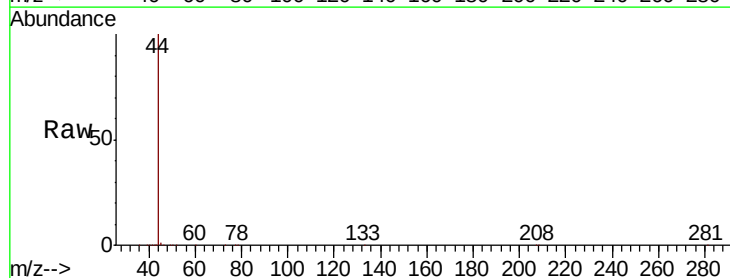
Acq: 24 Apr 2020 16:36

Tgt Ion: 50 Resp: 980

Ion Ratio Lower Upper

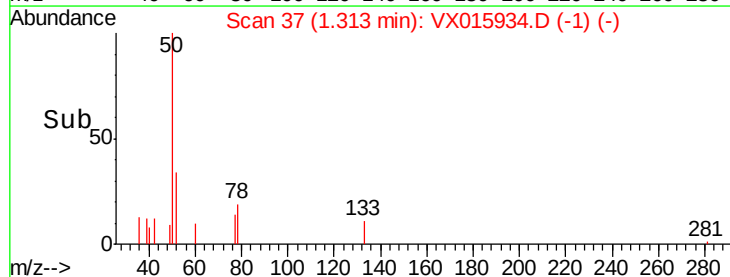
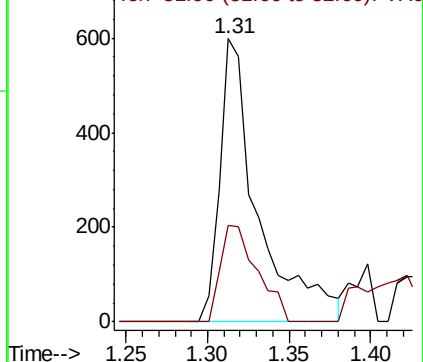
50 100

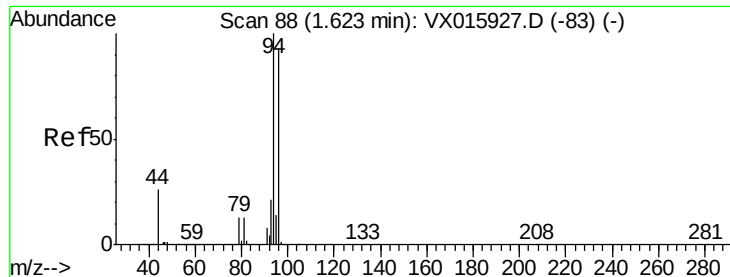
52 34.3 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 0.733 ug/l

RT: 1.64 min Scan# 91

Delta R.T. 0.02 min

Lab File: VX015934.D

Acq: 24 Apr 2020 16:36

Instrument :

MSVOA_X

ClientSampleId :

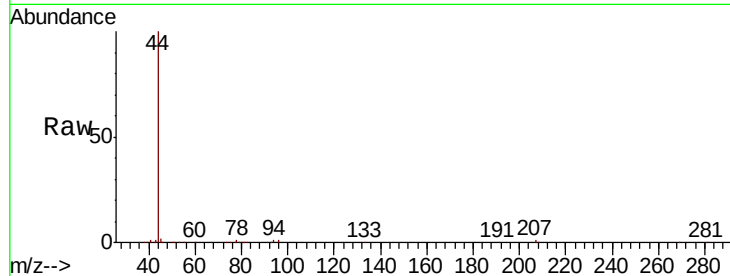
VX0424WBL01

Tot Ion: 94 Resp: 525

Ion Ratio Lower Upper

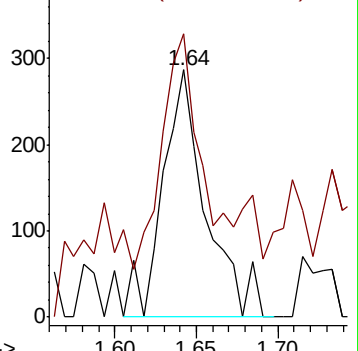
94 100

96 80.1 74.8 112.2

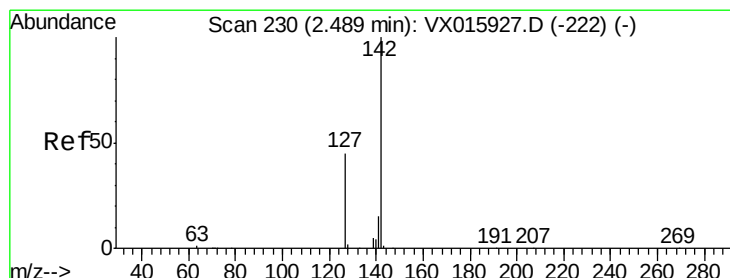
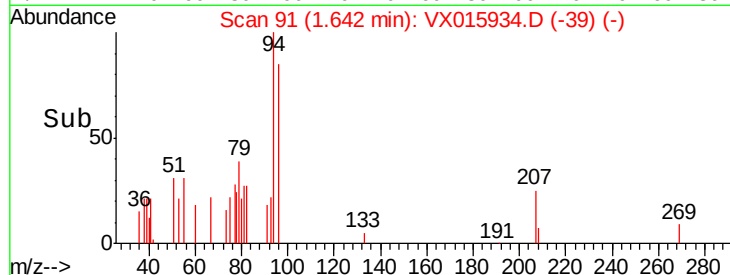


Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



Time-->



#10

Methyl Iodide

Concen: 5.137 ug/l

RT: 2.50 min Scan# 231

Delta R.T. 0.01 min

Lab File: VX015934.D

Acq: 24 Apr 2020 16:36

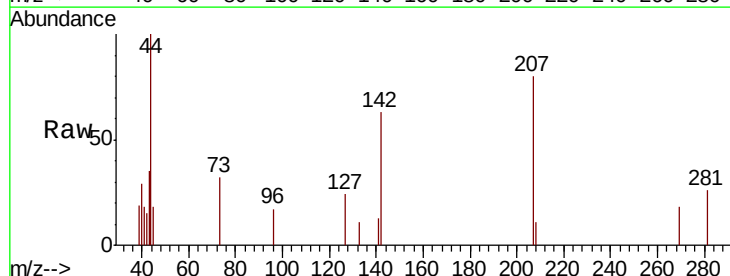
Tgt Ion: 142 Resp: 612

Ion Ratio Lower Upper

142 100

127 42.8 34.4 51.6

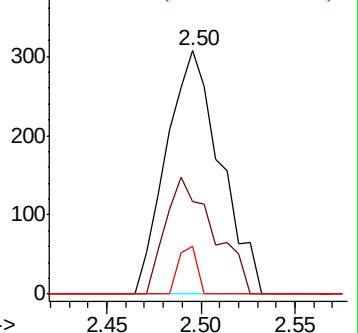
141 6.7 11.5 17.3#



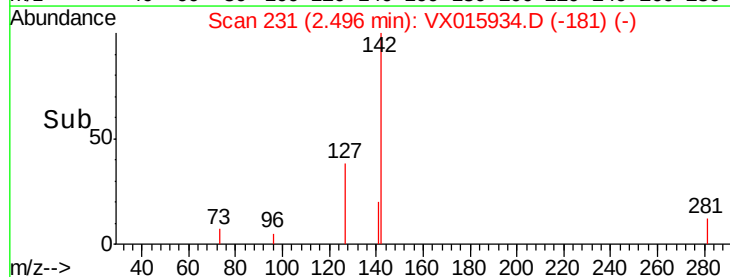
Abundance Ion 141.80 (141.50 to 142.50): V

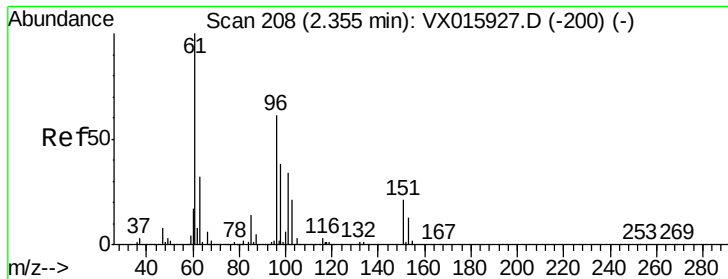
Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



Time-->





#12

1,1-Dichloroethene

Concen: 0.269 ug/l

RT: 2.36 min Scan# 208

Delta R.T. 0.00 min

Lab File: VX015934.D

Acq: 24 Apr 2020 16:36

Instrument :

MSVOA_X

ClientSampleId :

VX0424WBL01

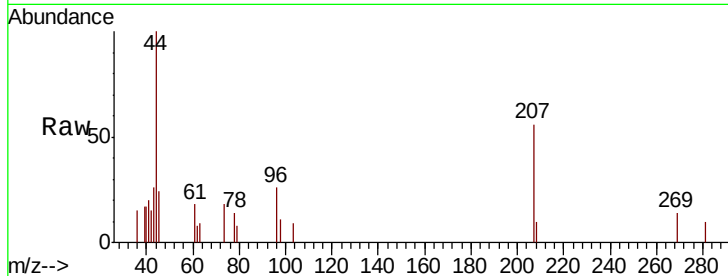
Tot Ion: 96 Resp: 417

Ion Ratio Lower Upper

96 100

61 69.5 131.2 196.8#

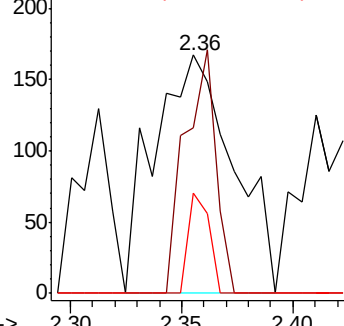
98 41.9 50.2 75.4#



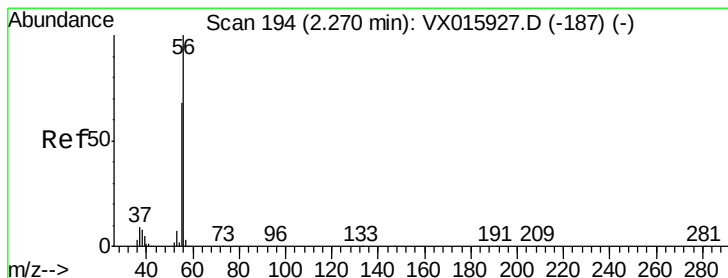
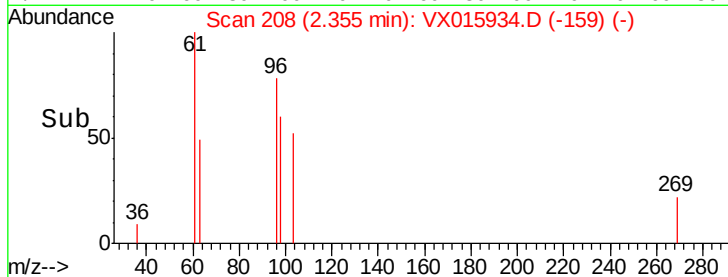
Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



Time-->



#13

Acrolein

Concen: 1.853 ug/l

RT: 2.27 min Scan# 194

Delta R.T. 0.00 min

Lab File: VX015934.D

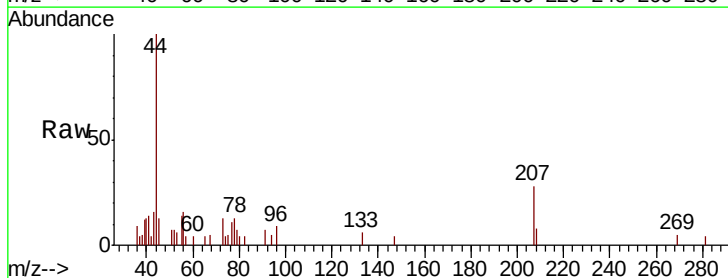
Acq: 24 Apr 2020 16:36

Tgt Ion: 56 Resp: 478

Ion Ratio Lower Upper

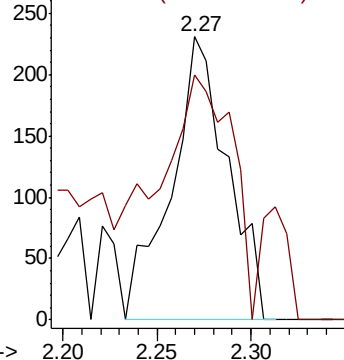
56 100

55 110.3 56.0 84.0#

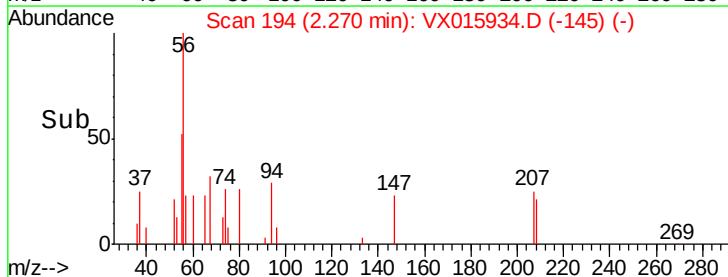


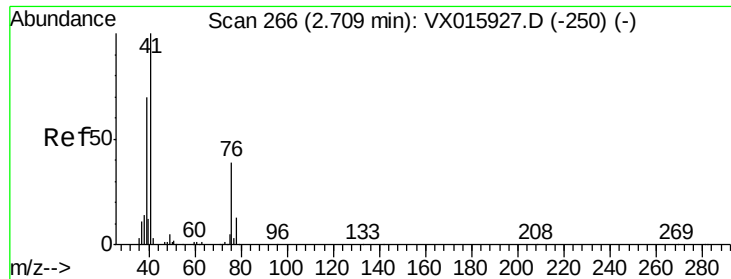
Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



Time-->

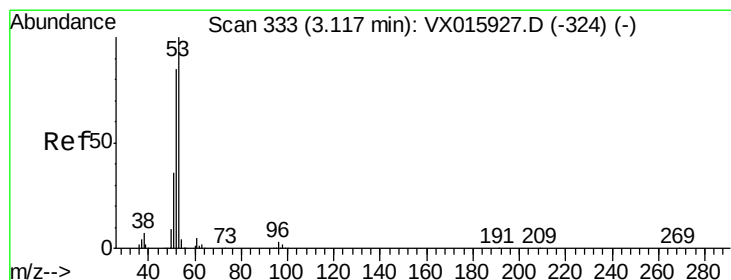
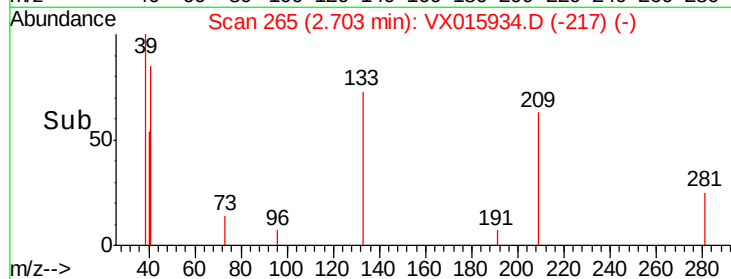
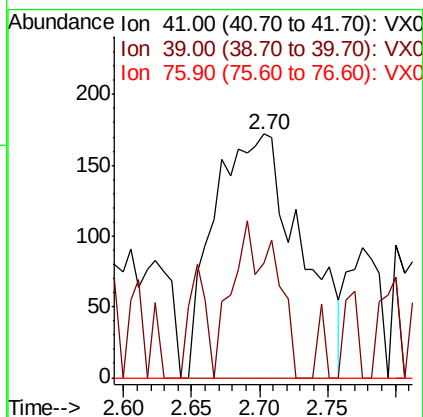
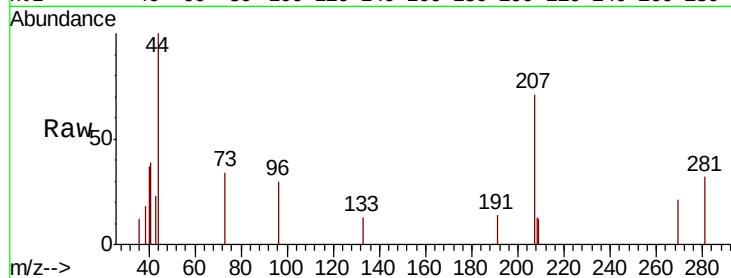




#14
Allvl chloride
Concen: 0.278 ug/l
RT: 2.70 min Scan# 265
Delta R.T. -0.01 min
Lab File: VX015934.D
Acq: 24 Apr 2020 16:36

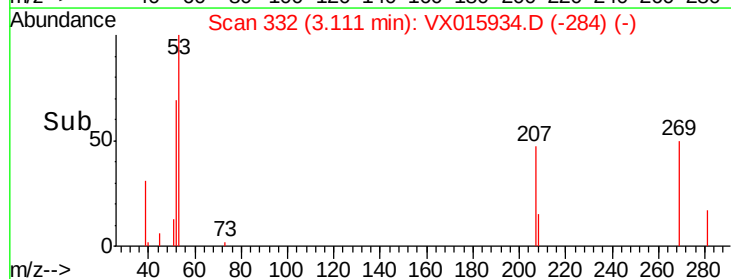
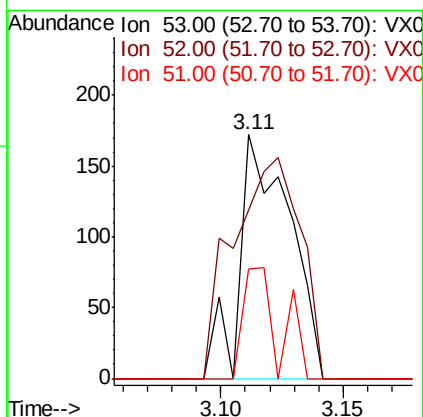
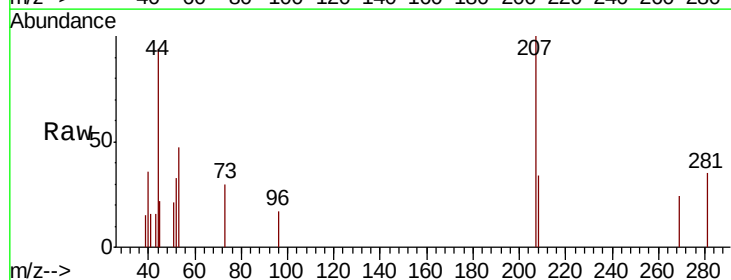
Instrument :
MSVOA_X
ClientSampled :
VX0424WBL01

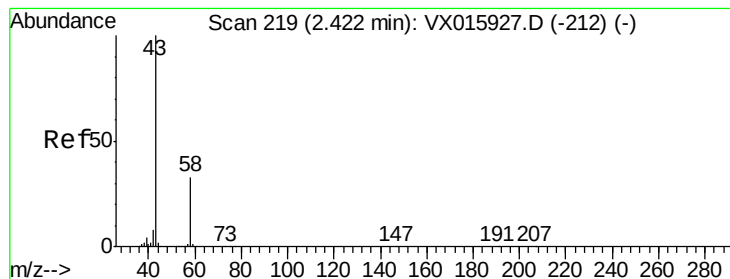
Tot Ion	Ratio	Lower	Upper
41	100		
39	32.1	51.6	77.4#
76	0.0	29.3	43.9#



#15
Acrylonitrile
Concen: 0.273 ug/l
RT: 3.11 min Scan# 332
Delta R.T. -0.01 min
Lab File: VX015934.D
Acq: 24 Apr 2020 16:36

Tgt Ion	Ratio	Lower	Upper
53	100		
52	121.8	65.5	98.3#
51	32.3	28.2	42.2





#16

Acetone

Concen: 0.816 ug/l

RT: 2.42 min Scan# 219

Delta R.T. 0.00 min

Lab File: VX015934.D

Acq: 24 Apr 2020 16:36

Instrument :

MSVOA_X

ClientSampled :

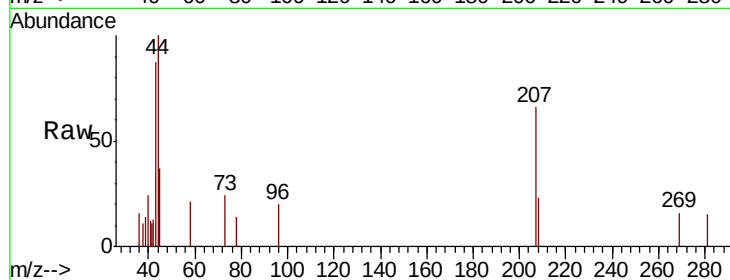
VX0424WBL01

Tot Ion: 43 Resp: 592

Ion Ratio Lower Upper

43 100

58 32.0 26.4 39.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.42

400

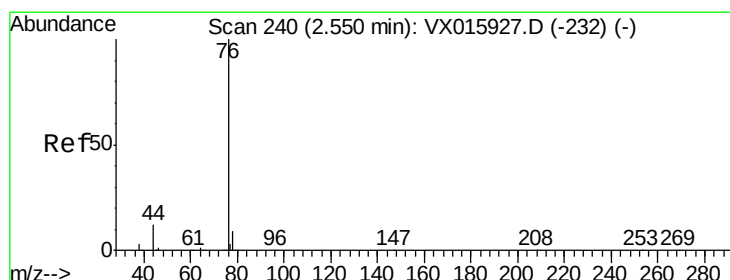
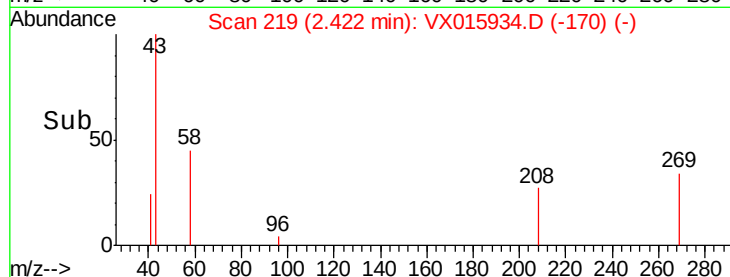
300

200

100

0

Time--> 2.35 2.40 2.45 2.50



#17

Carbon Disulfide

Concen: 0.422 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX015934.D

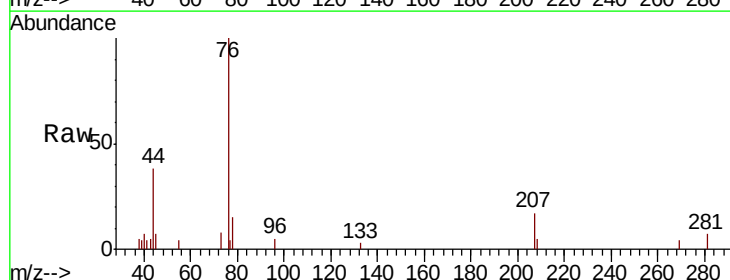
Acq: 24 Apr 2020 16:36

Tgt Ion: 76 Resp: 3074

Ion Ratio Lower Upper

76 100

78 14.5 7.4 11.2#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.55

2000

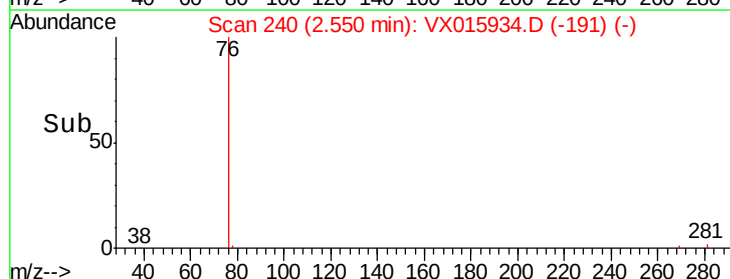
1500

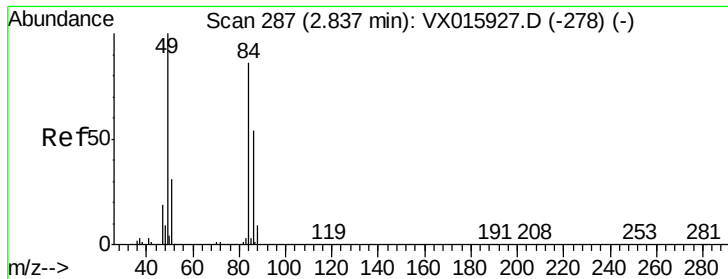
1000

500

0

Time--> 2.50 2.55 2.60

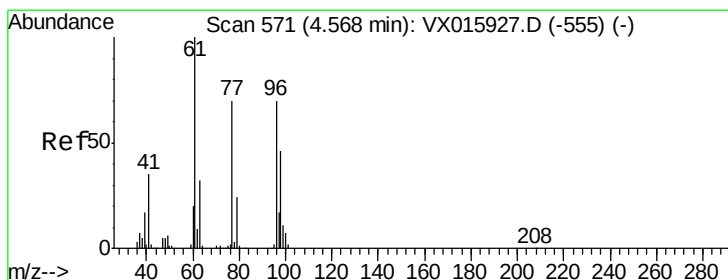
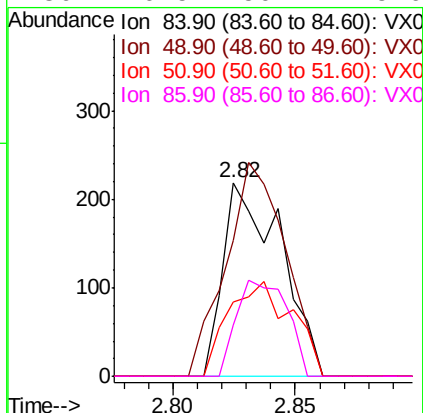
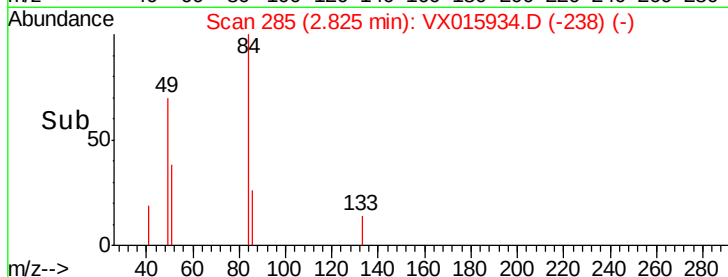
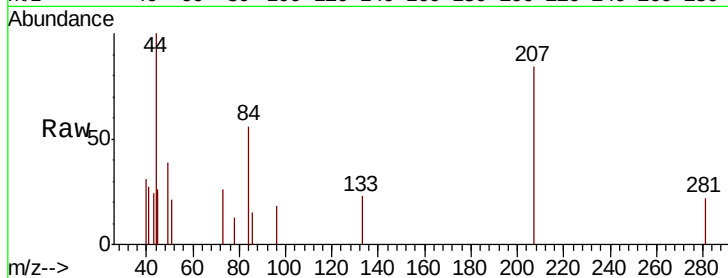




#20
Methylene Chloride
Concen: 0.201 ug/l
RT: 2.82 min Scan# 285
Delta R.T. -0.01 min
Lab File: VX015934.D
Acq: 24 Apr 2020 16:36

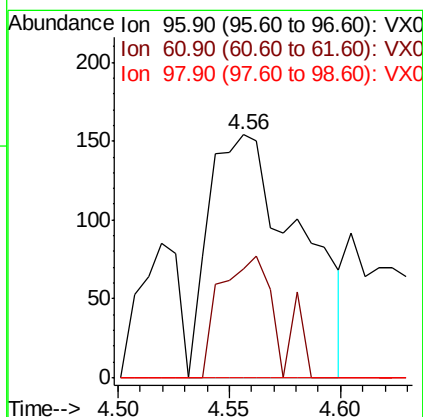
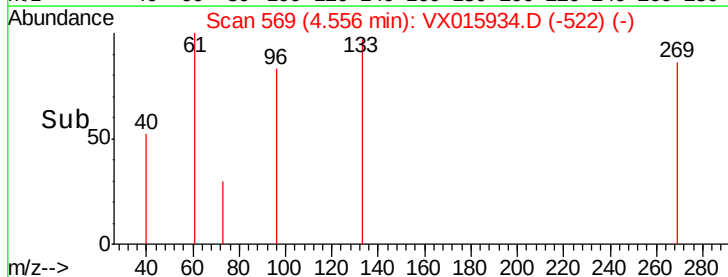
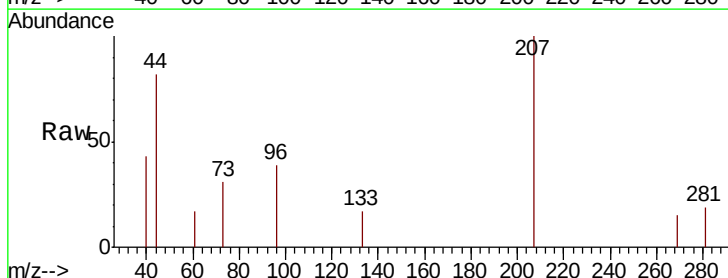
Instrument :
MSVOA_X
ClientSampleId :
VX0424WBL01

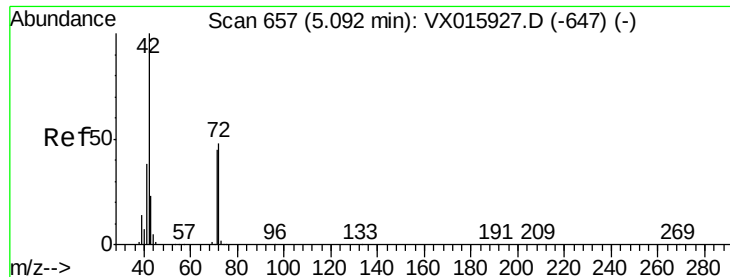
Tot Ion: 84 Resp: 360
Ion Ratio Lower Upper
84 100
49 70.3 93.0 139.6#
51 38.4 28.6 43.0
86 26.5 50.4 75.6#



#27
cis-1,2-Dichloroethene
Concen: 0.221 ug/l
RT: 4.56 min Scan# 569
Delta R.T. -0.01 min
Lab File: VX015934.D
Acq: 24 Apr 2020 16:36

Tgt Ion: 96 Resp: 435
Ion Ratio Lower Upper
96 100
61 31.7 0.0 293.4
98 0.0 0.0 129.0

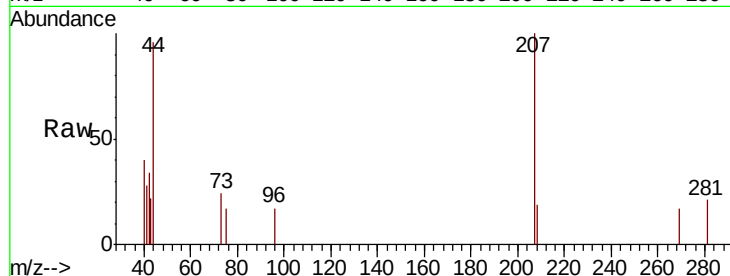




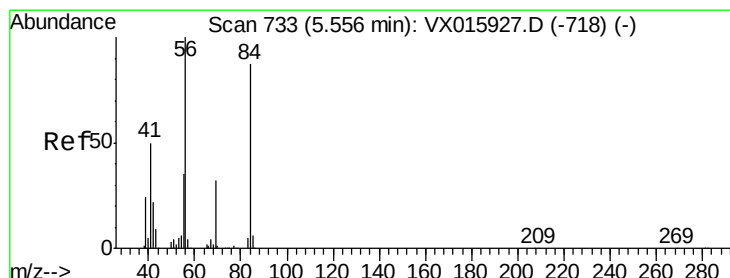
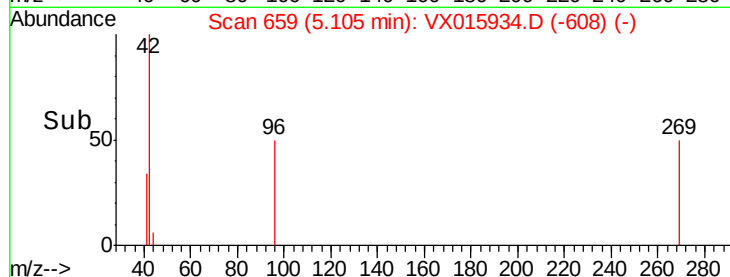
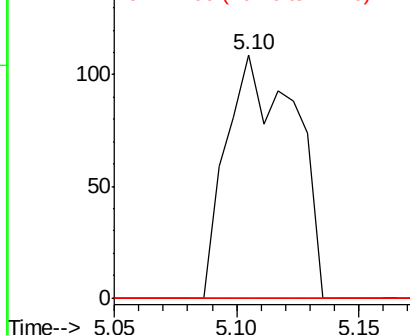
#29
Tetrahydrofuran
Concen: 0.274 ug/l
RT: 5.10 min Scan# 659
Delta R.T. 0.01 min
Lab File: VX015934.D
Acq: 24 Apr 2020 16:36

Instrument :
MSVOA_X
ClientSampleId :
VX0424WBL01

Tot Ion: 42 Resp: 213
Ion Ratio Lower Upper
42 100
72 0.0 39.5 59.3#
71 0.0 36.4 54.6#

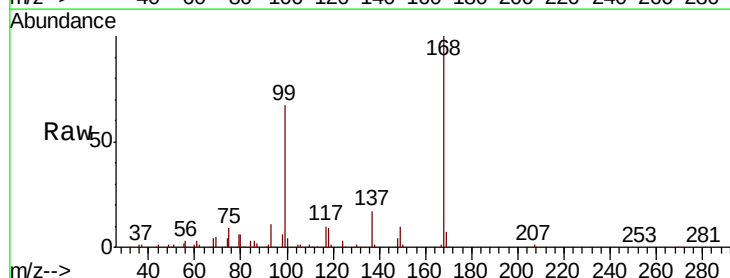


Abundance Ion 42.00 (41.70 to 42.70): VX0
Ion 72.00 (71.70 to 72.70): VX0
Ion 71.00 (70.70 to 71.70): VX0

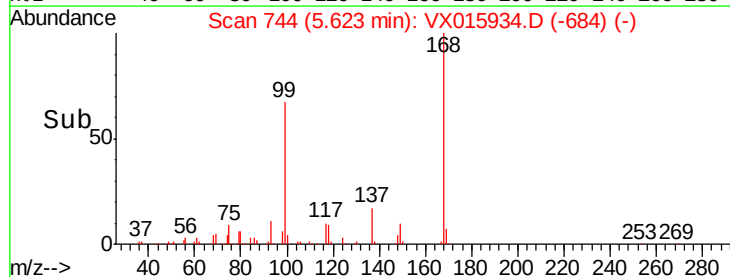
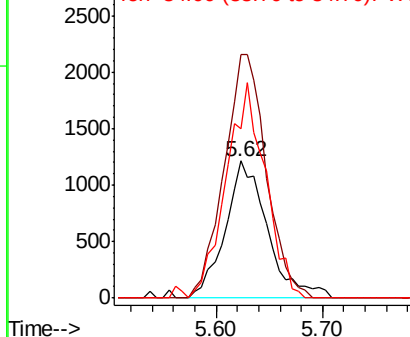


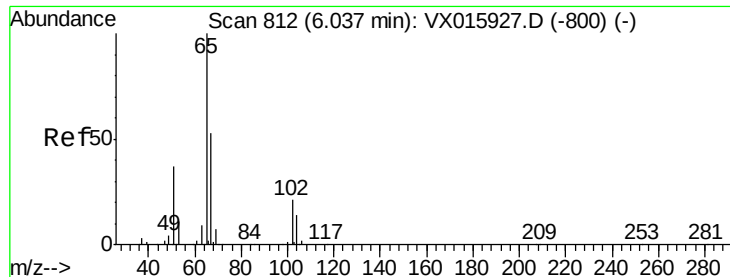
#31
Cyclohexane
Concen: 1.158 ug/l
RT: 5.62 min Scan# 744
Delta R.T. 0.07 min
Lab File: VX015934.D
Acq: 24 Apr 2020 16:36

Tgt Ion: 56 Resp: 3359
Ion Ratio Lower Upper
56 100
69 177.6 25.4 38.0#
84 123.4 69.5 104.3#



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

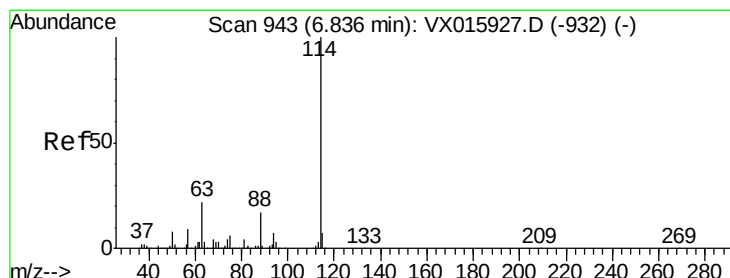
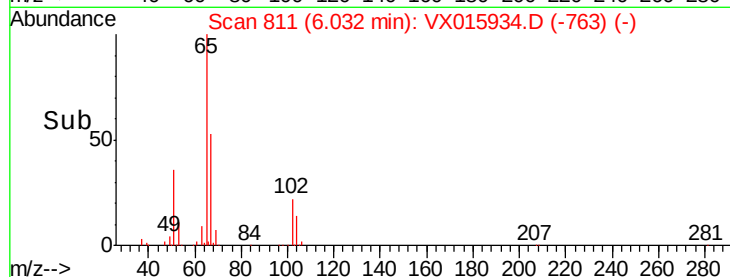
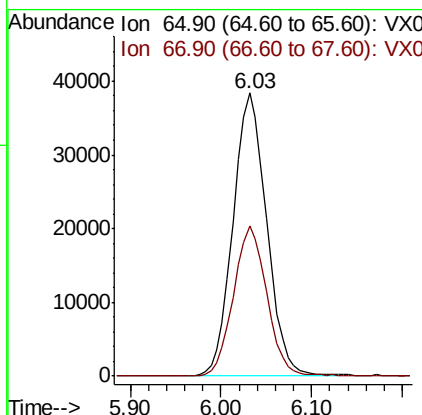
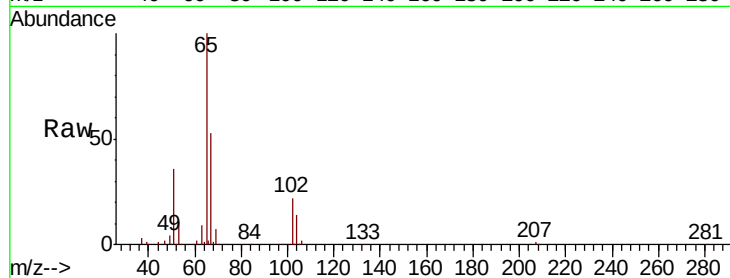




#33
 1,2-Dichloroethane-d4
 Concen: 51.104 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. -0.01 min
 Lab File: VX015934.D
 Acq: 24 Apr 2020 16:36

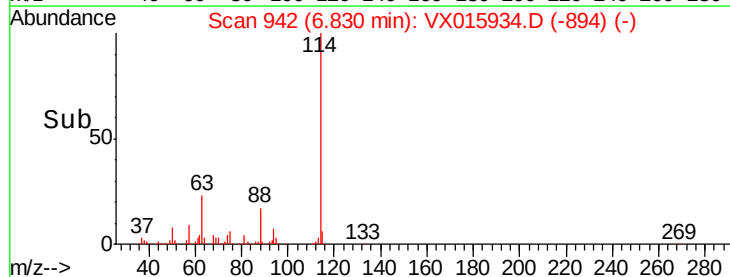
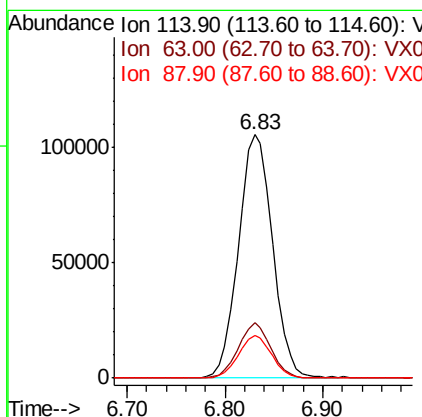
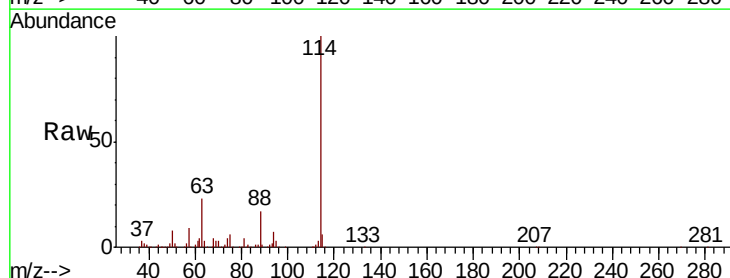
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0424WBL01

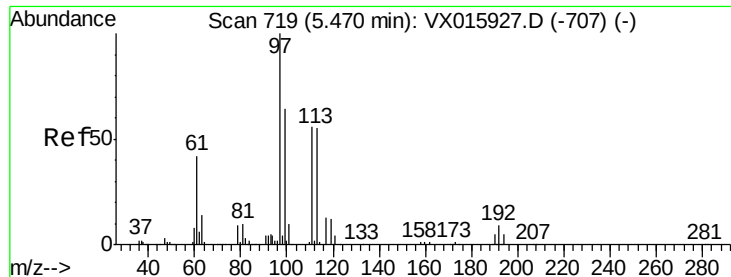
Tot Ion: 65 Resp: 98860
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 106.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. -0.01 min
 Lab File: VX015934.D
 Acq: 24 Apr 2020 16:36

Tgt Ion: 114 Resp: 255104
 Ion Ratio Lower Upper
 114 100
 63 22.7 0.0 44.4
 88 17.3 0.0 34.2

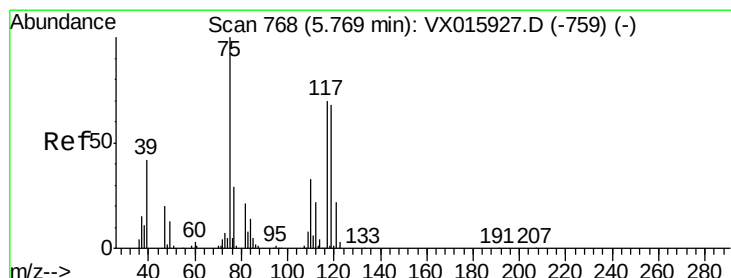
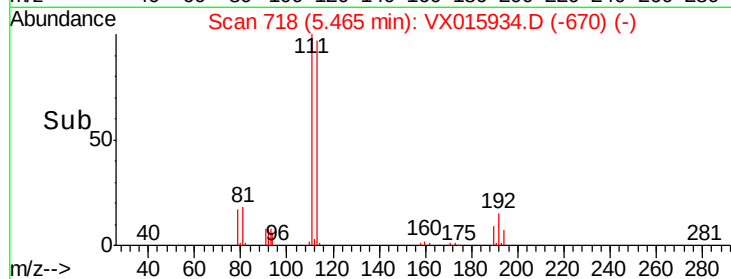
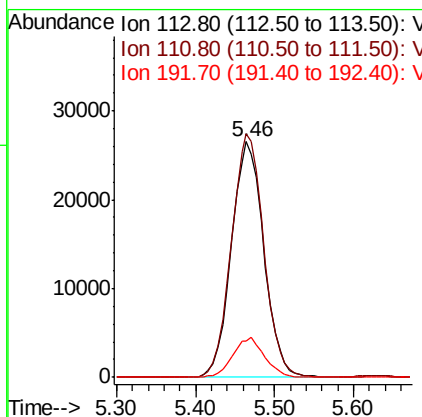
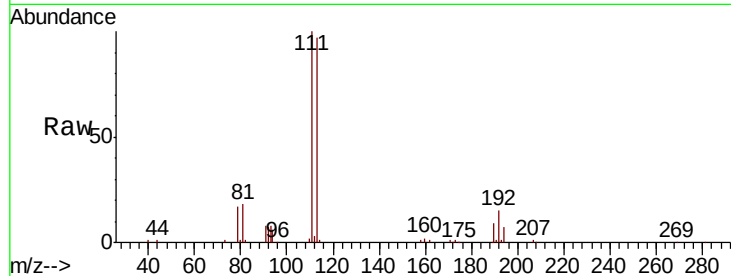




#35
 Dibromofluoromethane
 Concen: 54.396 ug/l
 RT: 5.46 min Scan# 718
 Delta R.T. -0.01 min
 Lab File: VX015934.D
 Acq: 24 Apr 2020 16:36

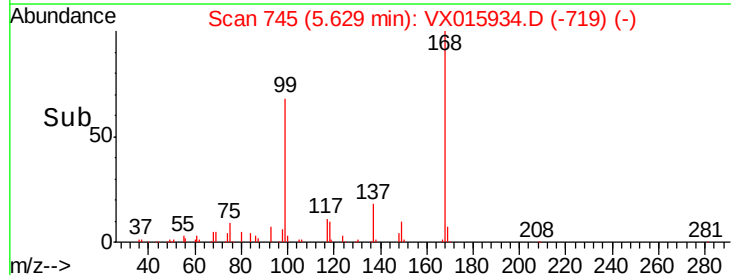
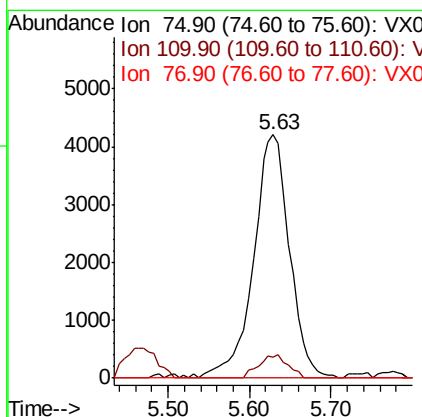
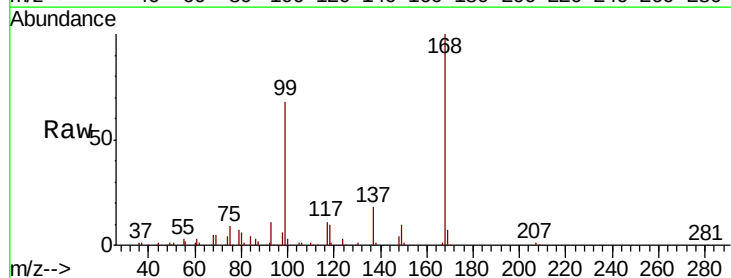
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0424WBL01

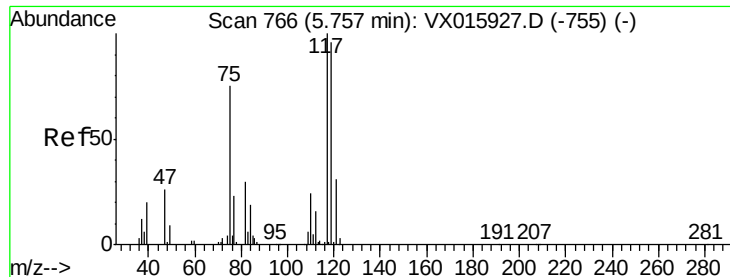
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.4	81.2	121.8
192	16.5	13.6	20.4



#36
 1,1-Dichloropropene
 Concen: 5.304 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.14 min
 Lab File: VX015934.D
 Acq: 24 Apr 2020 16:36

Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.7	17.1	51.3#
77	0.0	25.0	37.4#





#38

Carbon Tetrachloride

Concen: 6.619 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.13 min

Lab File: VX015934.D

Acq: 24 Apr 2020 16:36

Instrument :

MSVOA_X

ClientSampleId :

VX0424WBL01

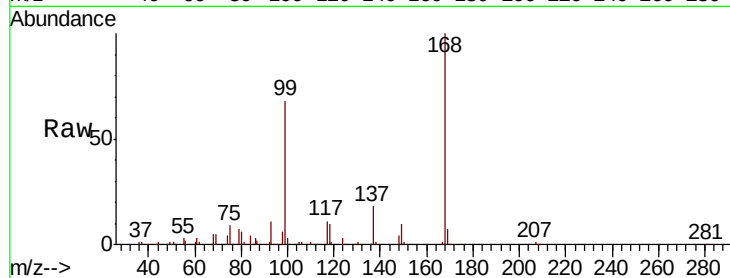
Tot Ion:117 Resp: 14727

Ion Ratio Lower Upper

117 100

119 5.5 77.0 115.6#

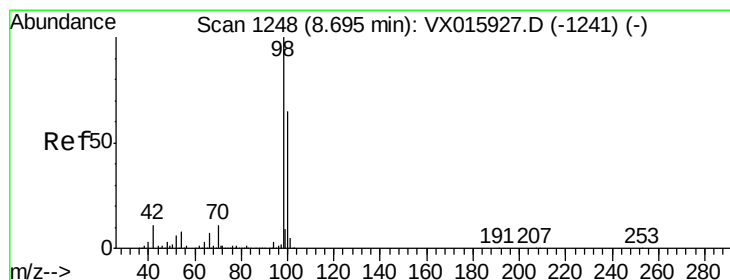
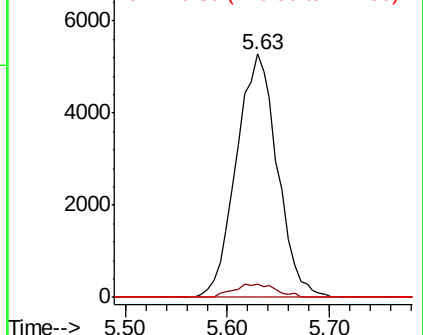
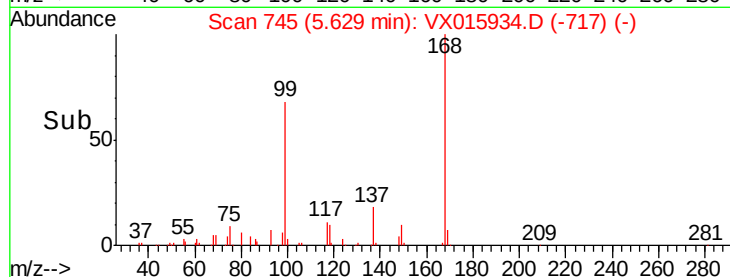
121 0.0 25.0 37.4#



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



#50

Toluene-d8

Concen: 54.381 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VX015934.D

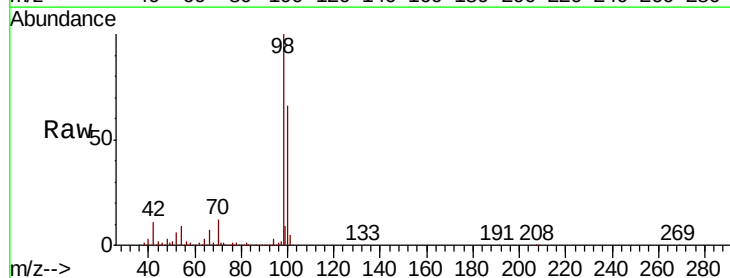
Acq: 24 Apr 2020 16:36

Tgt Ion: 98 Resp: 320324

Ion Ratio Lower Upper

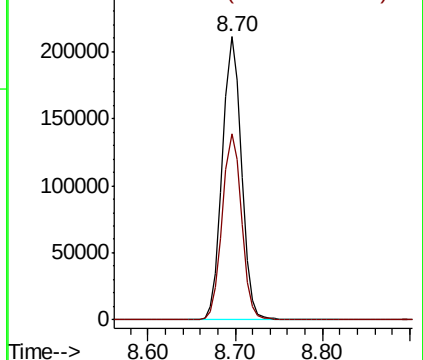
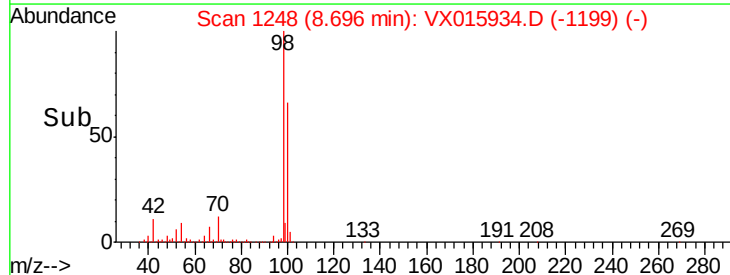
98 100

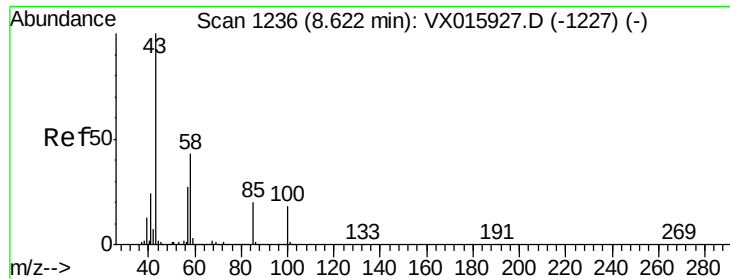
100 66.3 53.0 79.4



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

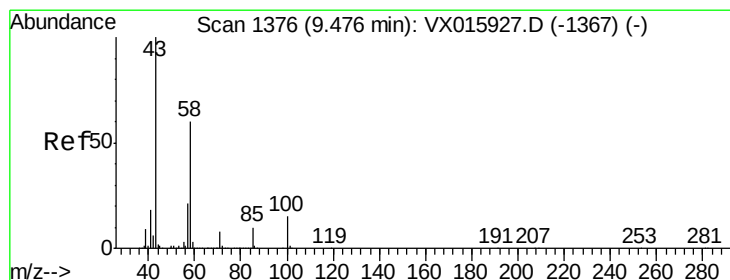
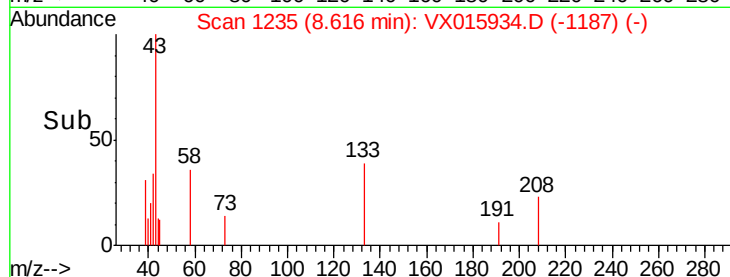
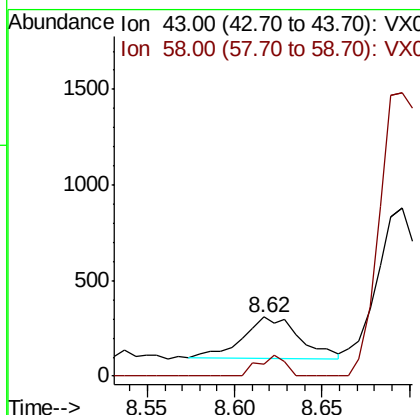
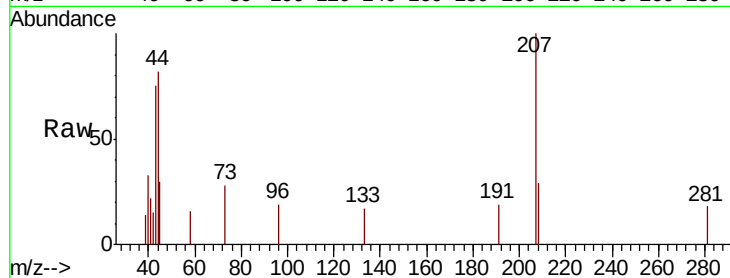




#51
 4-Methyl-2-Pentanone
 Concen: 0.203 ug/l
 RT: 8.62 min Scan# 1235
 Delta R.T. -0.01 min
 Lab File: VX015934.D
 Acq: 24 Apr 2020 16:36

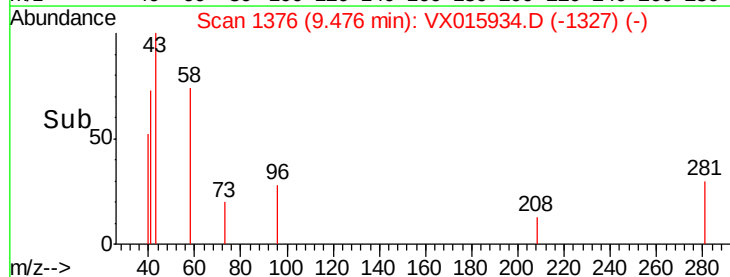
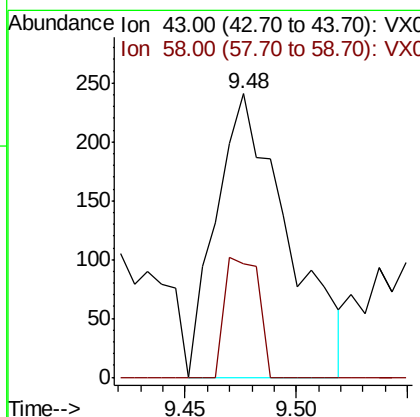
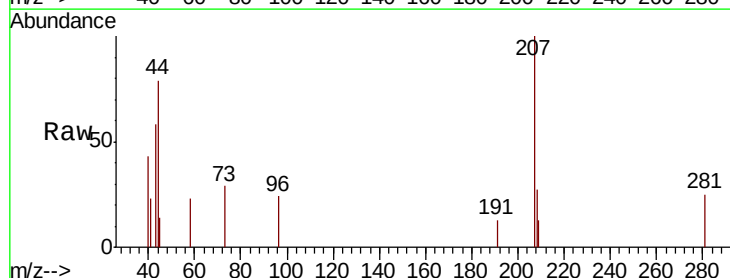
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0424WBL01

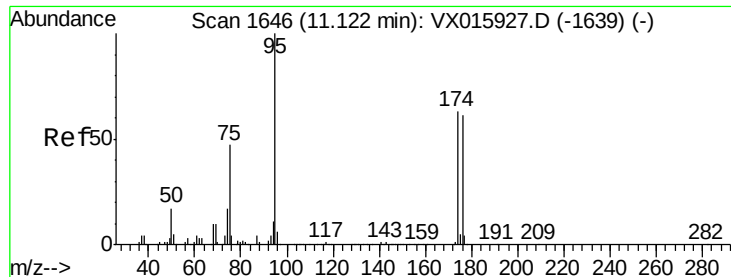
Tot Ion: 43 Resp: 477
 Ion Ratio Lower Upper
 43 100
 58 24.1 34.2 51.4#



#59
 2-Hexanone
 Concen: 0.303 ug/l
 RT: 9.48 min Scan# 1376
 Delta R.T. 0.00 min
 Lab File: VX015934.D
 Acq: 24 Apr 2020 16:36

Tgt Ion: 43 Resp: 541
 Ion Ratio Lower Upper
 43 100
 58 19.8 29.7 89.1#





#62

4-Bromofluorobenzene

Concen: 53.000 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX015934.D

Acq: 24 Apr 2020 16:36

Instrument :

MSVOA_X

ClientSampled :

VX0424WBL01

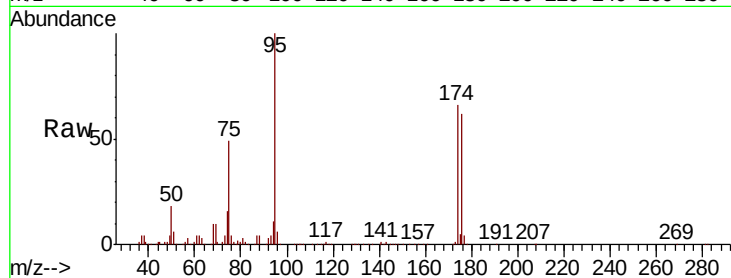
Tot Ion: 95 Resp: 126624

Ion Ratio Lower Upper

95 100

174 65.8 0.0 133.6

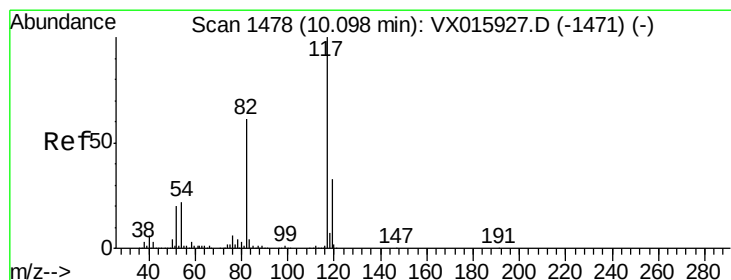
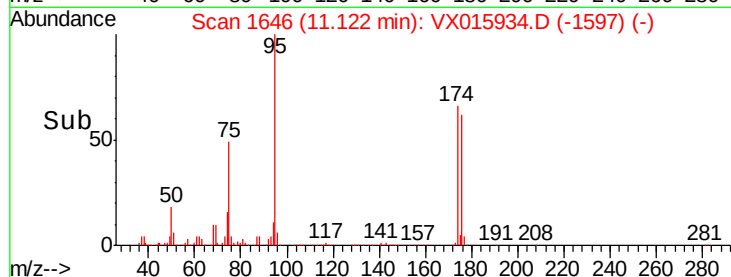
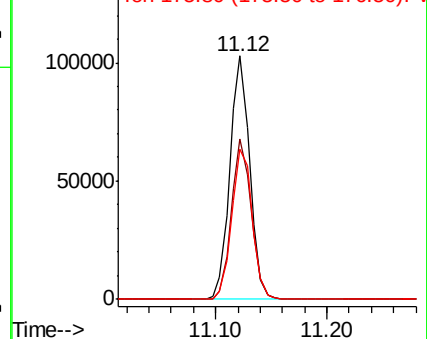
176 63.7 0.0 126.0



Abundance Ion 94.90 (94.60 to 95.60): VX015927.D (-1639) (-)

Ion 173.80 (173.50 to 174.50): VX015927.D (-1639) (-)

Ion 175.80 (175.50 to 176.50): VX015927.D (-1639) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. 0.00 min

Lab File: VX015934.D

Acq: 24 Apr 2020 16:36

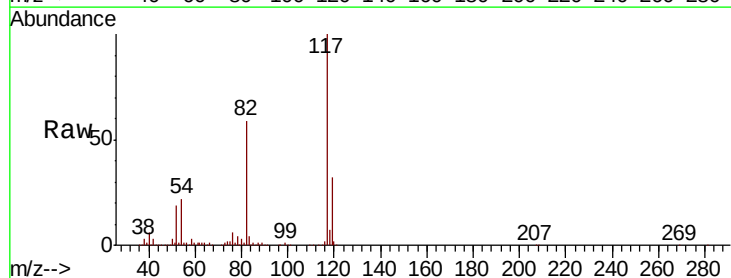
Tgt Ion: 117 Resp: 242256

Ion Ratio Lower Upper

117 100

82 59.2 48.5 72.7

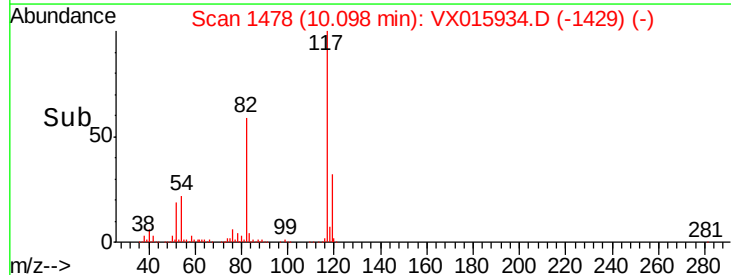
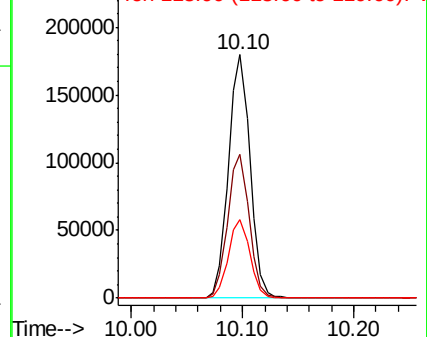
119 32.3 26.2 39.4

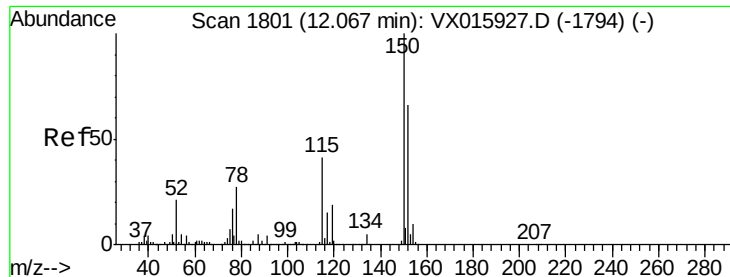


Abundance Ion 116.90 (116.60 to 117.60): VX015927.D (-1471) (-)

Ion 82.00 (81.70 to 82.70): VX015927.D (-1471) (-)

Ion 118.90 (118.60 to 119.60): VX015927.D (-1471) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1801

Delta R.T. 0.00 min

Lab File: VX015934.D

Acq: 24 Apr 2020 16:36

Instrument :

MSVOA_X

ClientSampleId :

VX0424WBL01

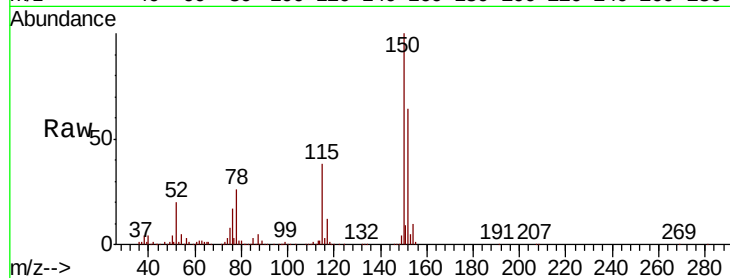
Tot Ion:152 Resp: 111279

Ion Ratio Lower Upper

152 100

115 63.9 44.1 132.4

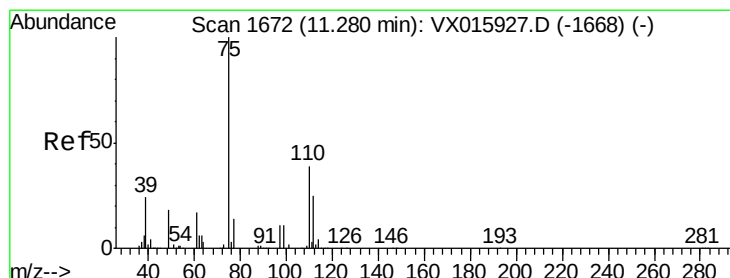
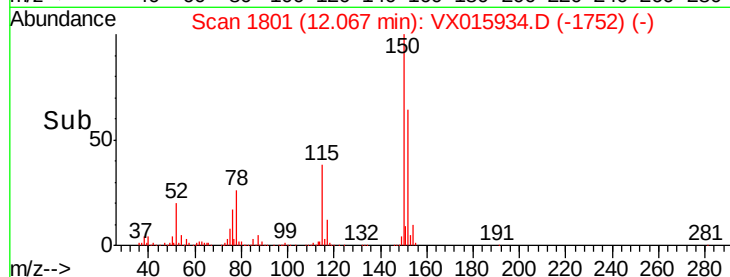
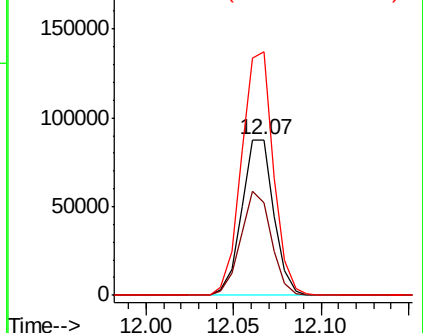
150 156.0 0.0 343.6



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: 26.695 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX015934.D

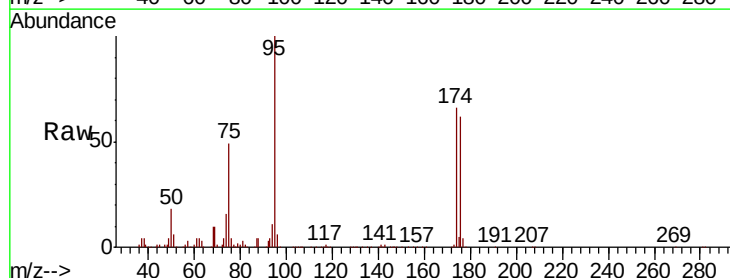
Acq: 24 Apr 2020 16:36

Tgt Ion: 75 Resp: 63721

Ion Ratio Lower Upper

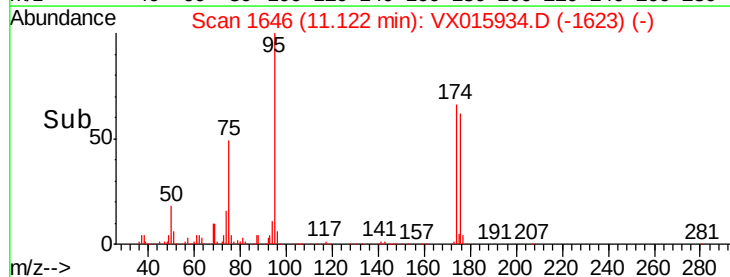
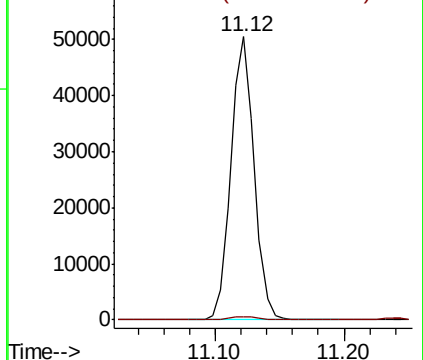
75 100

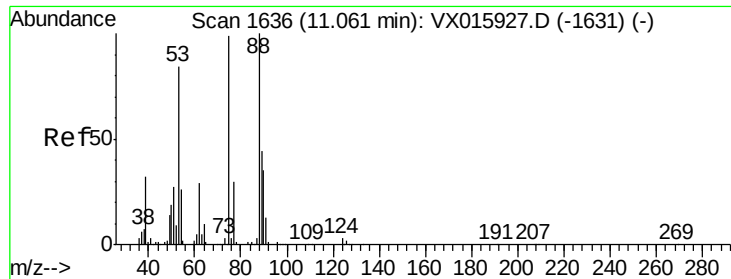
77 1.4 22.1 66.5#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

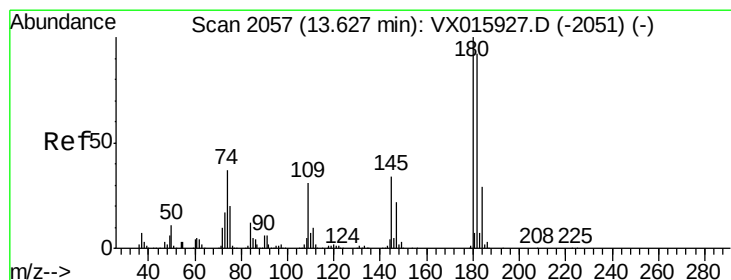
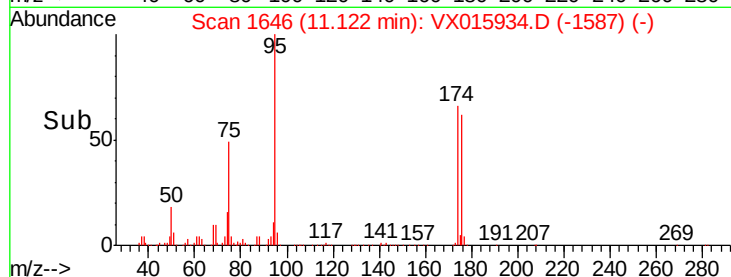
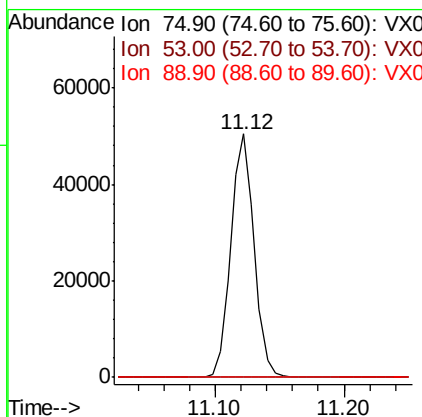
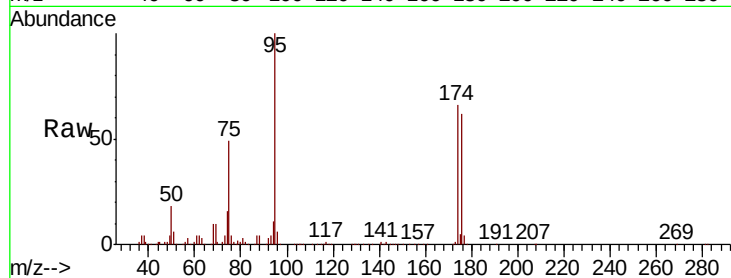




#81
trans-1,4-Dichloro-2-butene
Concen: 60.133 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. 0.06 min
Lab File: VX015934.D
Acq: 24 Apr 2020 16:36

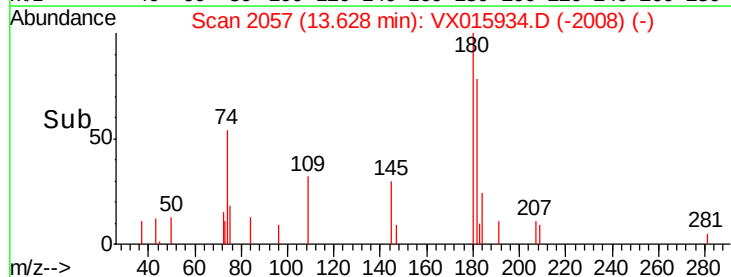
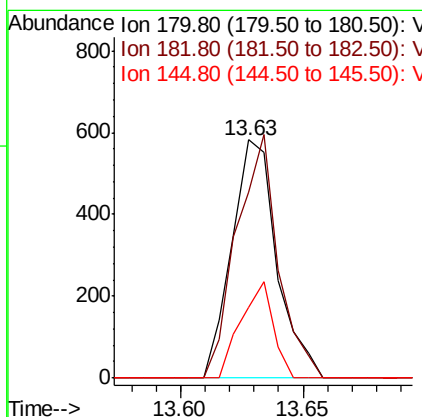
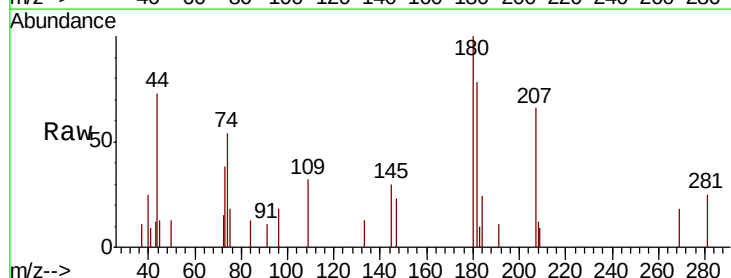
Instrument :
MSVOA_X
ClientSampleId :
VX0424WBL01

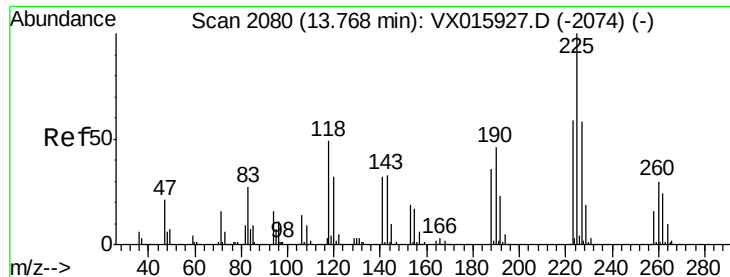
Tot Ion: 75 Resp: 63721
Ion Ratio Lower Upper
75 100
53 0.0 69.7 104.5#
89 0.0 36.3 54.5#



#93
1,2,4-Trichlorobenzene
Concen: 0.344 ug/l
RT: 13.63 min Scan# 2057
Delta R.T. 0.00 min
Lab File: VX015934.D
Acq: 24 Apr 2020 16:36

Tgt Ion: 180 Resp: 744
Ion Ratio Lower Upper
180 100
182 94.5 47.6 142.9
145 29.2 17.3 52.0





#94

Hexachlorobutadiene

Concen: 0.236 ug/l

RT: 13.76 min Scan# 2079

Delta R.T. -0.01 min

Lab File: VX015934.D

Acq: 24 Apr 2020 16:36

Instrument :

MSVOA_X

ClientSampleId :

VX0424WBL01

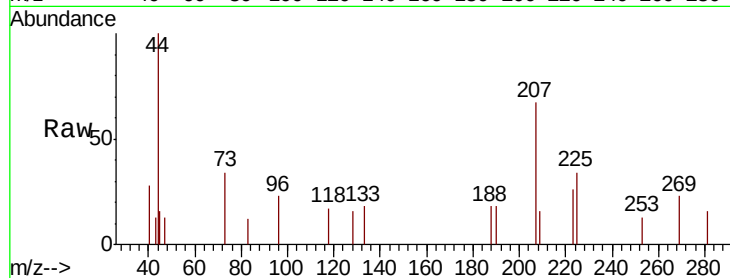
Tot Ion:225 Resp: 181

Ion Ratio Lower Upper

225 100

223 61.3 30.6 91.6

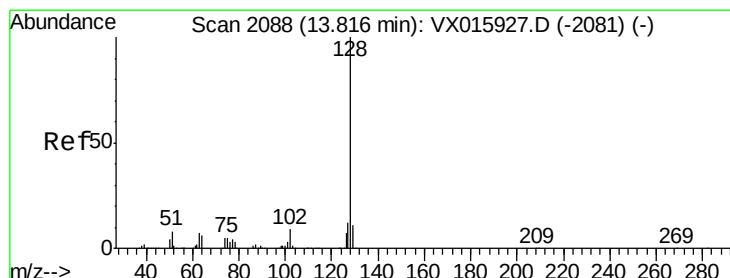
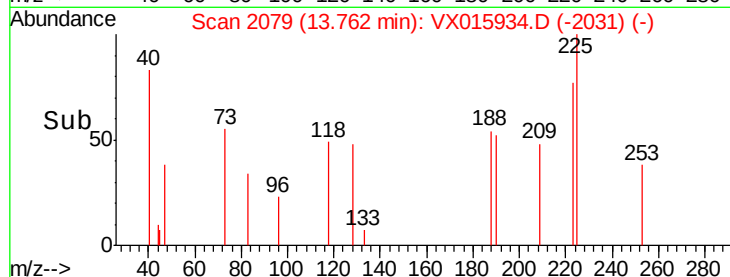
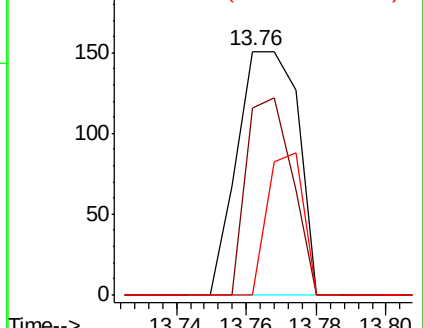
227 34.3 32.0 96.2



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 0.329 ug/l

RT: 13.82 min Scan# 2088

Delta R.T. 0.00 min

Lab File: VX015934.D

Acq: 24 Apr 2020 16:36

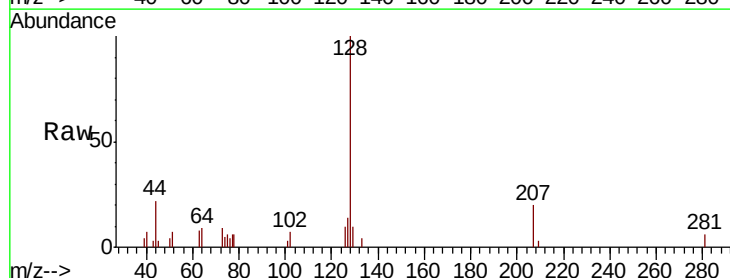
Tgt Ion:128 Resp: 2582

Ion Ratio Lower Upper

128 100

127 10.5 10.1 15.1

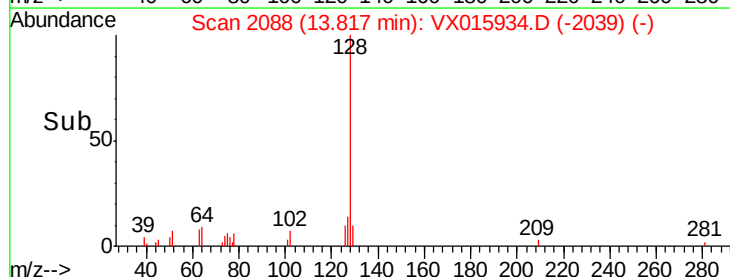
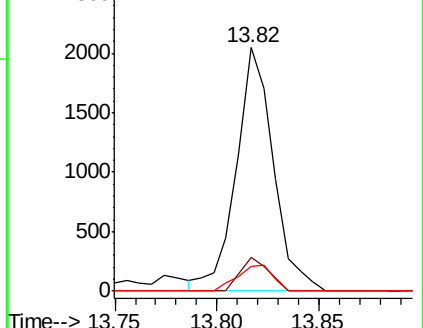
129 10.1 8.7 13.1

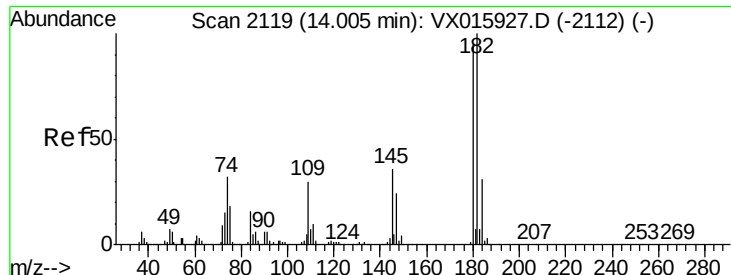


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#96

1,2,3-Trichlorobenzene

Concen: 0.348 ug/l

RT: 14.01 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VX015934.D

Acq: 24 Apr 2020 16:36

Instrument :

MSVOA_X

ClientSampleId :

VX0424WBL01

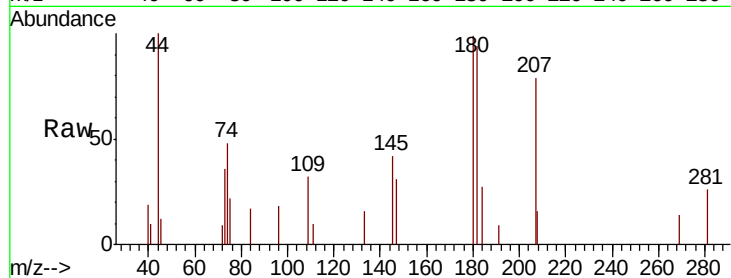
Tot Ion:180 Resp: 711

Ion Ratio Lower Upper

180 100

182 86.8 50.1 150.3

145 41.5 18.9 56.9



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

