

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062220\
 Data File : VX016923.D
 Acq On : 22 Jun 2020 16:23
 Operator : JC/SP
 Sample : VX0622WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0622WBL01

Quant Time: Jun 23 07:55:25 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061820W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 19 12:07:48 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.62	168	375362	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	531804	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	529601	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	268630	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	207047	45.86	ug/l	0.00
Spiked Amount			Recovery	=	91.72%	
35) Dibromofluoromethane	5.46	113	185439	54.51	ug/l	0.00
Spiked Amount			Recovery	=	109.02%	
50) Toluene-d8	8.70	98	750925	55.17	ug/l	0.00
Spiked Amount			Recovery	=	110.34%	
62) 4-Bromofluorobenzene	11.12	95	267950	51.38	ug/l	0.00
Spiked Amount			Recovery	=	102.76%	

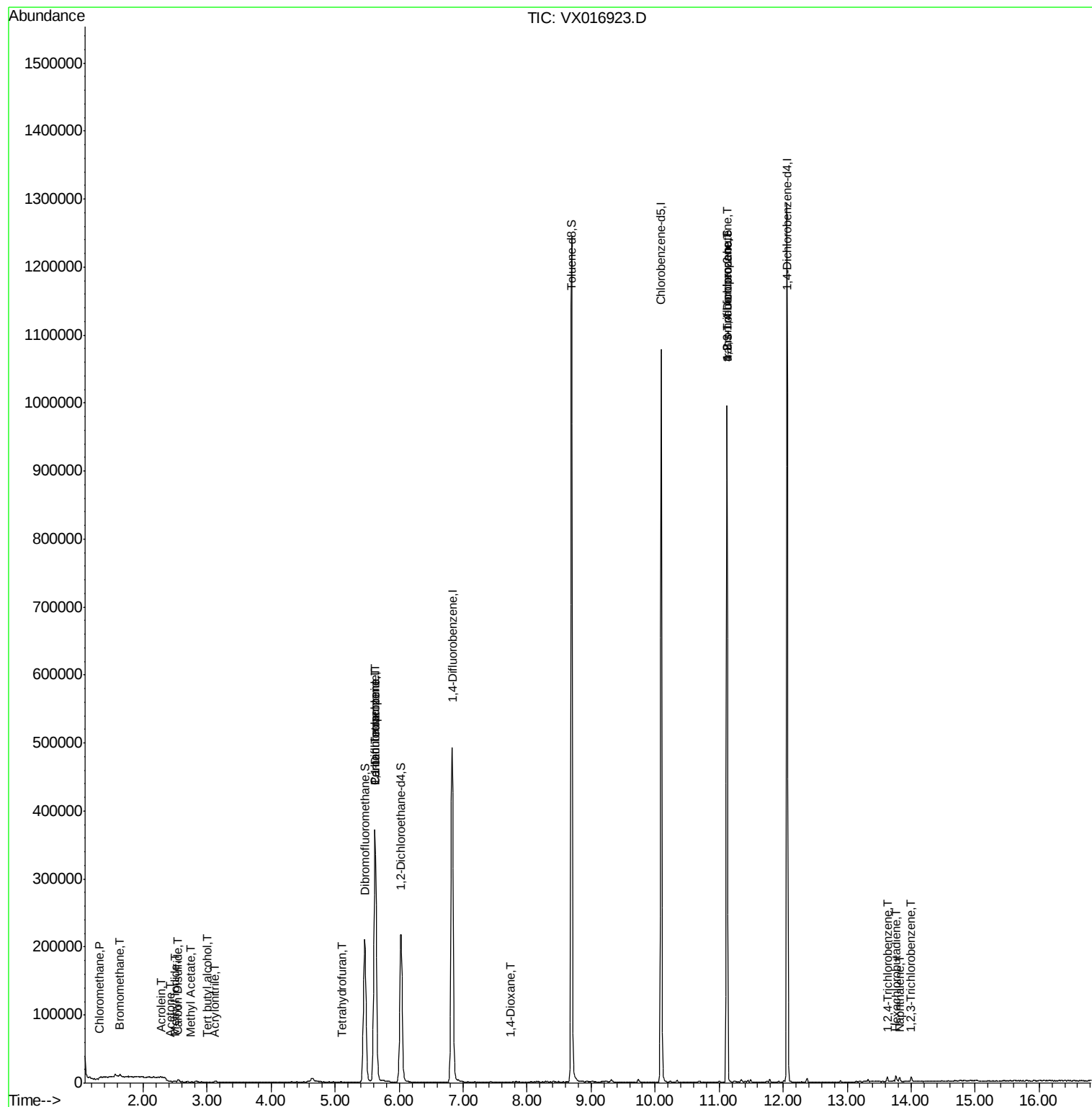
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	1344	0.288	ug/l	97
5) Bromomethane	1.64	94	2617	0.826	ug/l	94
10) Methyl Iodide	2.50	142	1956	0.524	ug/l	100
11) Tert butyl alcohol	3.00	59	305	0.400	ug/l #	72
13) Acrolein	2.27	56	809	1.748	ug/l	95
15) Acrylonitrile	3.11	53	775	0.443	ug/l #	74
16) Acetone	2.42	43	786	0.480	ug/l	88
17) Carbon Disulfide	2.55	76	3861	0.372	ug/l	97
18) Methyl Acetate	2.74	43	911	0.219	ug/l #	55
29) Tetrahydrofuran	5.11	42	577	0.406	ug/l #	46
36) 1,1-Dichloropropene	5.62	75	26044	5.304	ug/l #	49
38) Carbon Tetrachloride	5.63	117	35200	6.389	ug/l #	16
49) 1,4-Dioxane	7.74	88	21	0.263	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	126359	25.756	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.12	75	126359	63.072	ug/l #	14
93) 1,2,4-Trichlorobenzene	13.63	180	1879	0.336	ug/l	99
94) Hexachlorobutadiene	13.76	225	1332	0.528	ug/l	94
95) Naphthalene	13.82	128	4193	0.256	ug/l	98
96) 1,2,3-Trichlorobenzene	14.01	180	1782	0.320	ug/l	98

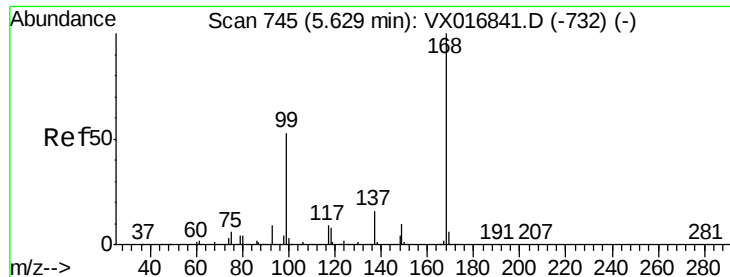
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX062220\
Data File : VX016923.D
Acq On : 22 Jun 2020 16:23
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Sample : VX0622WBL01
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ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleID :
VX0622WBL01

Quant Time: Jun 23 07:55:25 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X061820W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 19 12:07:48 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.01 min

Lab File: VX016923.D

Acq: 22 Jun 2020 16:23

Instrument :

MSVOA_X

ClientSampled :

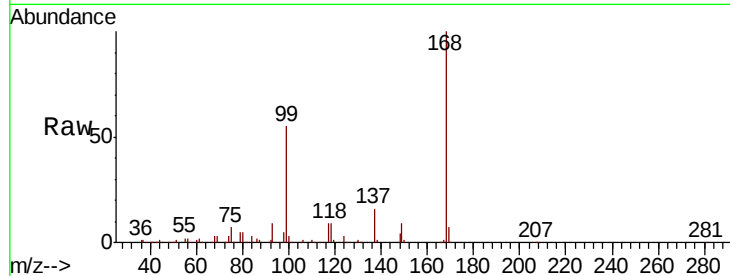
VX0622WBL01

Tot Ion:168 Resp: 375362

Ion Ratio Lower Upper

168 100

99 54.7 42.2 63.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.62

150000

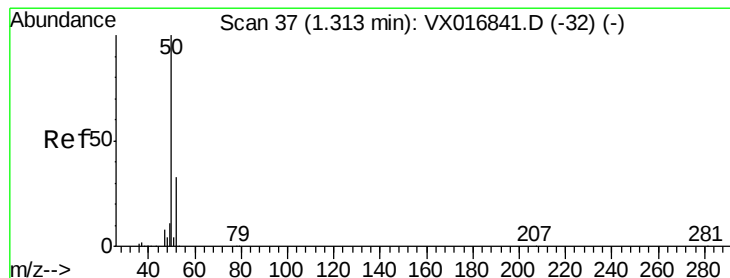
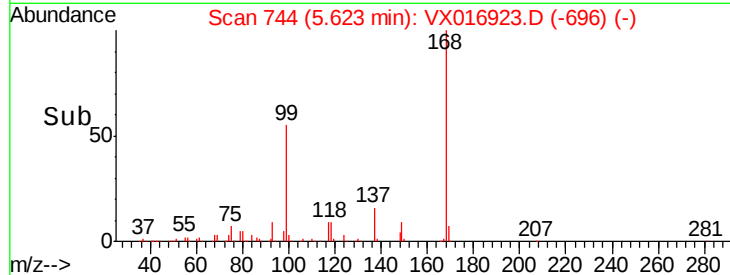
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.288 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX016923.D

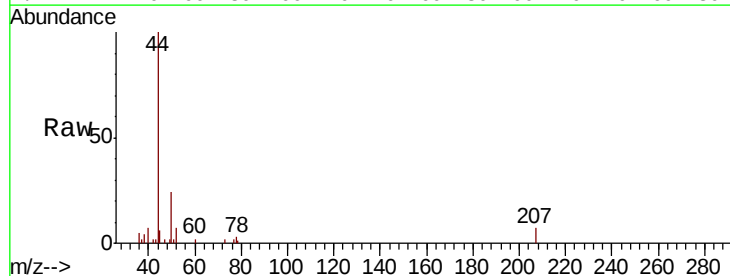
Acq: 22 Jun 2020 16:23

Tgt Ion: 50 Resp: 1344

Ion Ratio Lower Upper

50 100

52 31.2 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

1200

1000

800

600

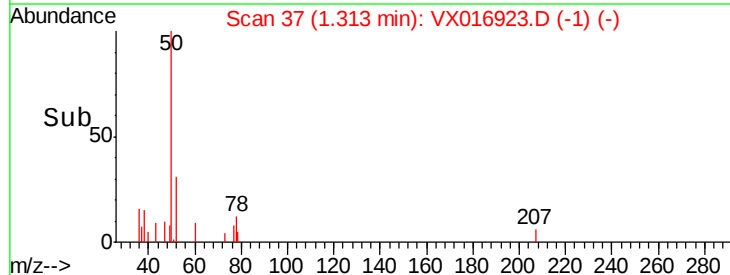
400

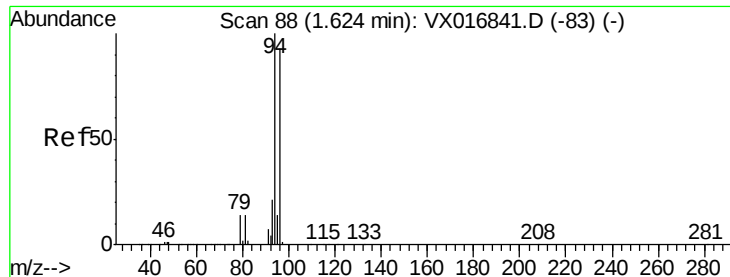
200

0

Time-->

1.30 1.35





#5

Bromomethane

Concen: 0.826 ug/l

RT: 1.64 min Scan# 91

Delta R.T. 0.02 min

Lab File: VX016923.D

Acq: 22 Jun 2020 16:23

Instrument :

MSVOA_X

ClientSampleId :

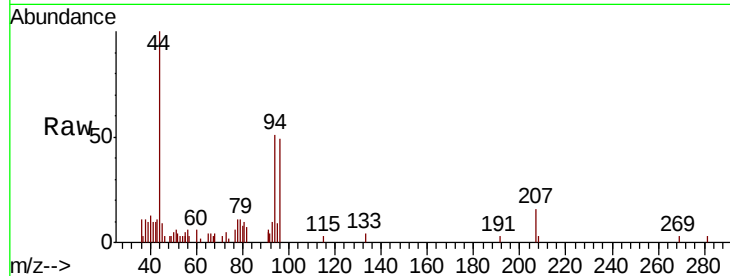
VX0622WBL01

Tot Ion: 94 Resp: 2617

Ion Ratio Lower Upper

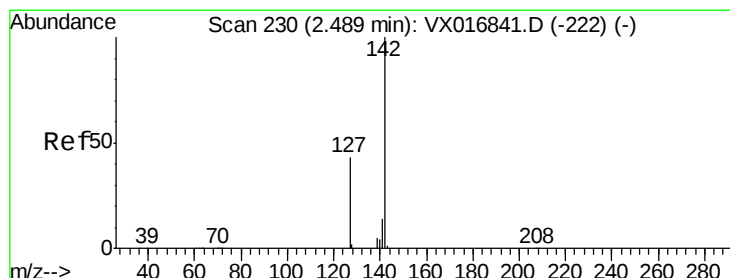
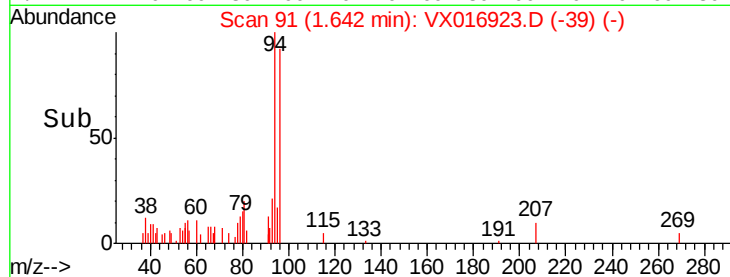
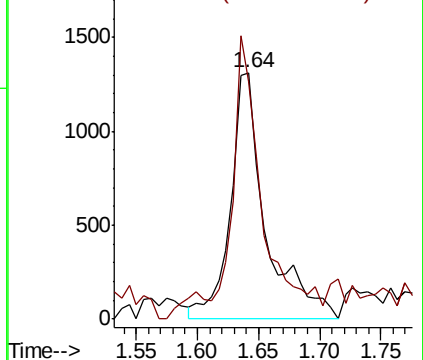
94 100

96 87.7 74.4 111.6



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#10

Methyl Iodide

Concen: 0.524 ug/l

RT: 2.50 min Scan# 231

Delta R.T. 0.01 min

Lab File: VX016923.D

Acq: 22 Jun 2020 16:23

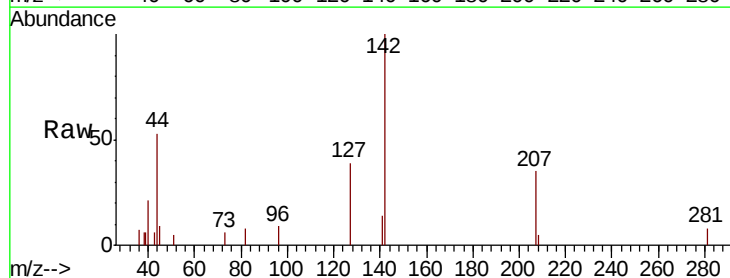
Tgt Ion:142 Resp: 1956

Ion Ratio Lower Upper

142 100

127 44.0 35.1 52.7

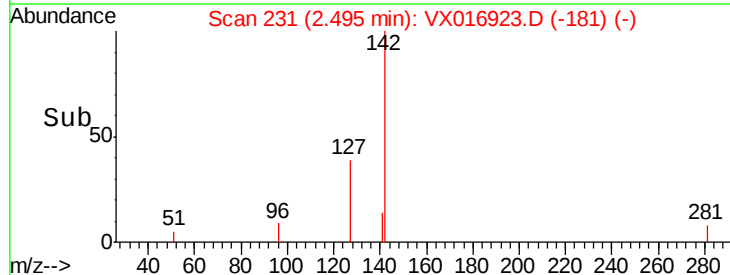
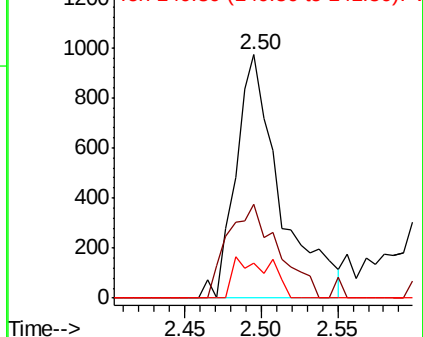
141 14.0 11.6 17.4

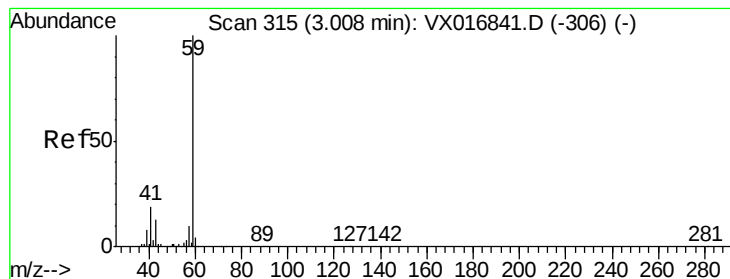


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



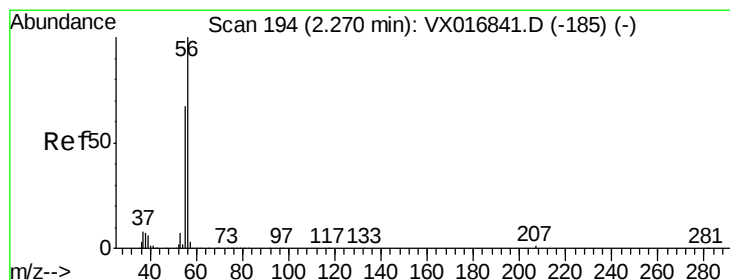
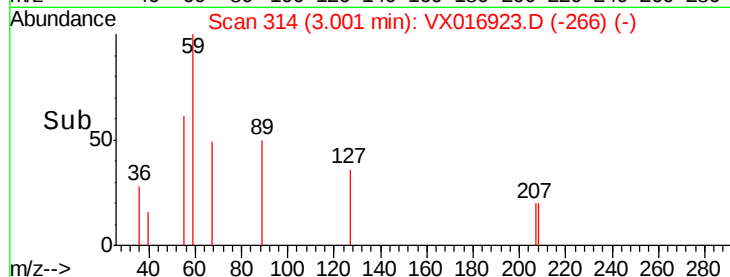
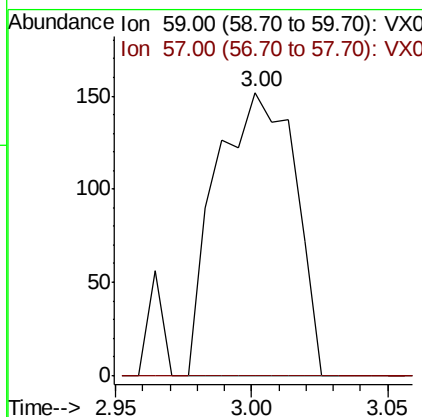
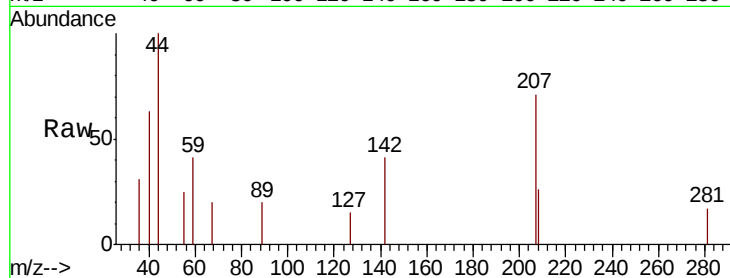


#11

Tert butyl alcohol
 Concen: 0.400 ug/l
 RT: 3.00 min Scan# 314
 Delta R.T. -0.01 min
 Lab File: VX016923.D
 Acq: 22 Jun 2020 16:23

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0622WBL01

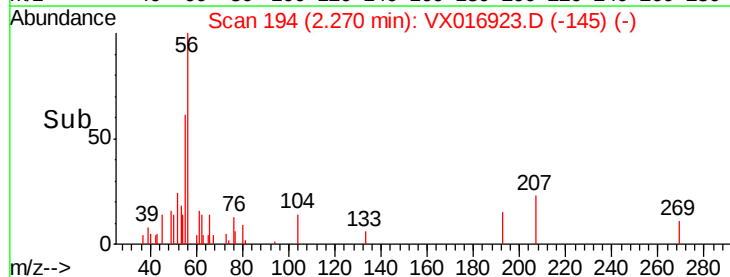
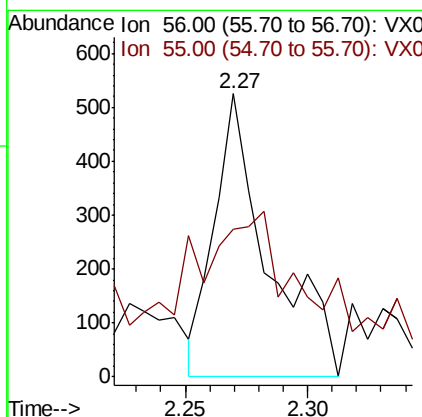
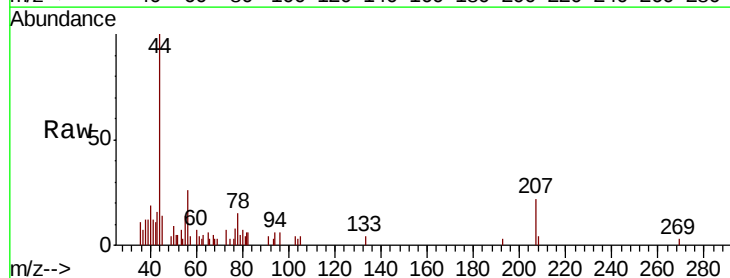
Tot Ion: 59 Resp: 305
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.4 12.6#

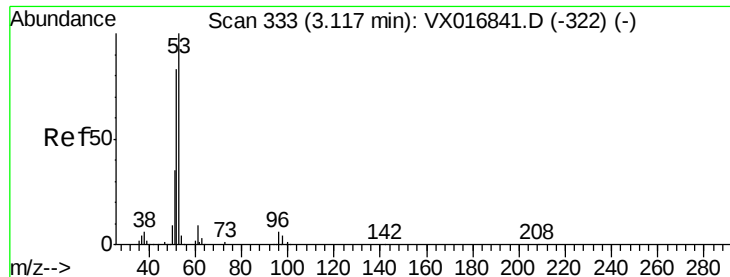


#13

Acrolein
 Concen: 1.748 ug/l
 RT: 2.27 min Scan# 194
 Delta R.T. -0.00 min
 Lab File: VX016923.D
 Acq: 22 Jun 2020 16:23

Tgt Ion: 56 Resp: 809
 Ion Ratio Lower Upper
 56 100
 55 65.5 55.7 83.5





#15

Acrylonitrile

Concen: 0.443 ug/l

RT: 3.11 min Scan# 332

Delta R.T. -0.01 min

Lab File: VX016923.D

Acq: 22 Jun 2020 16:23

Instrument :

MSVOA_X

ClientSampleId :

VX0622WBL01

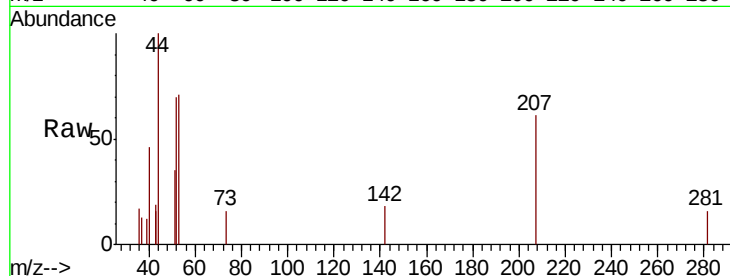
Tot Ion: 53 Resp: 775

Ion Ratio Lower Upper

53 100

52 106.5 66.2 99.2#

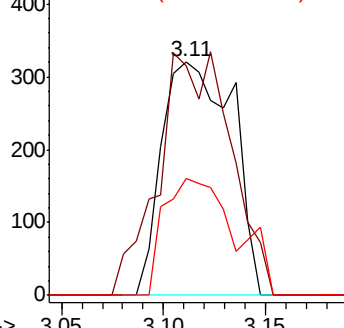
51 50.3 28.7 43.1#



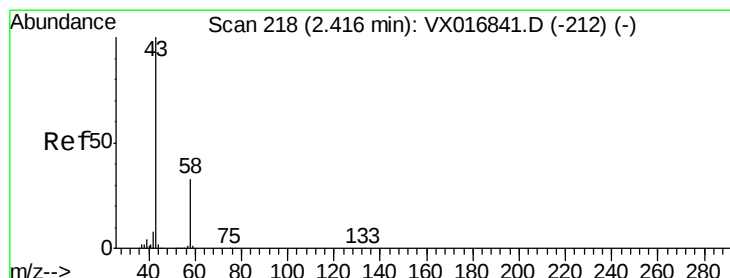
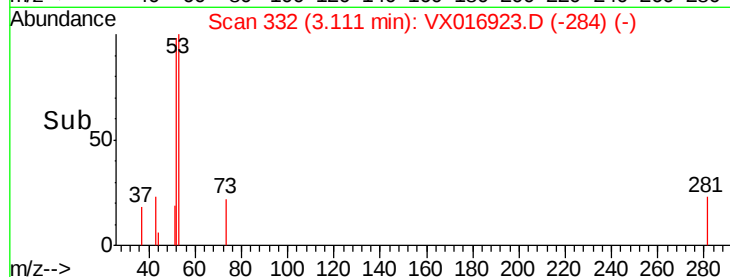
Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



Time-->



#16

Acetone

Concen: 0.480 ug/l

RT: 2.42 min Scan# 218

Delta R.T. 0.00 min

Lab File: VX016923.D

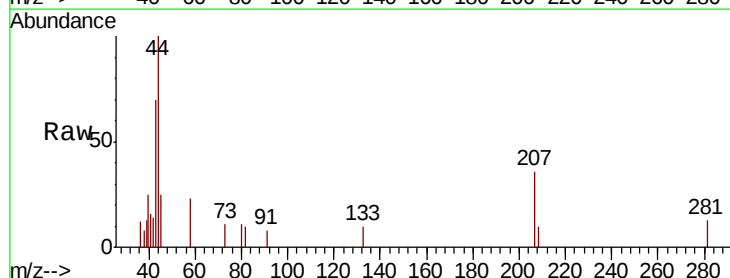
Acq: 22 Jun 2020 16:23

Tgt Ion: 43 Resp: 786

Ion Ratio Lower Upper

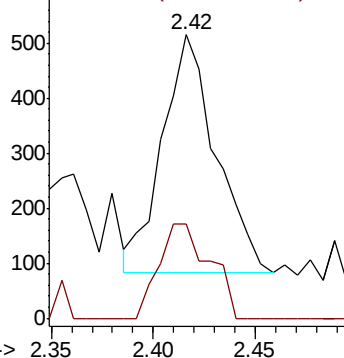
43 100

58 39.8 26.6 39.8

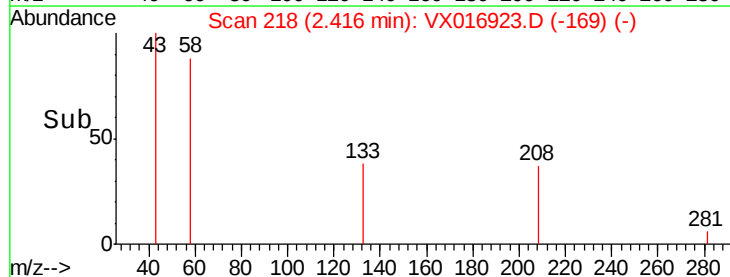


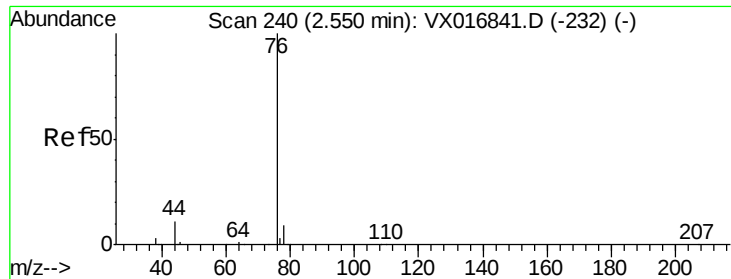
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



Time-->





#17

Carbon Disulfide

Concen: 0.372 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX016923.D

Acq: 22 Jun 2020 16:23

Instrument :

MSVOA_X

ClientSampleId :

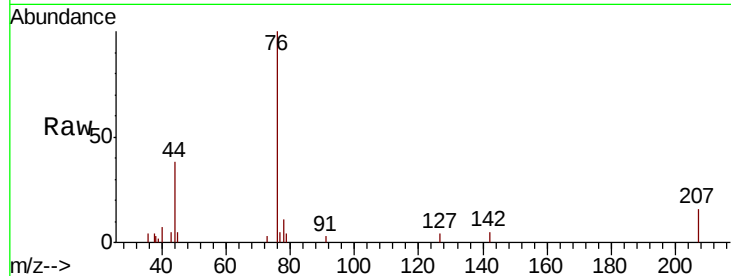
VX0622WBL01

Tot Ion: 76 Resp: 3861

Ion Ratio Lower Upper

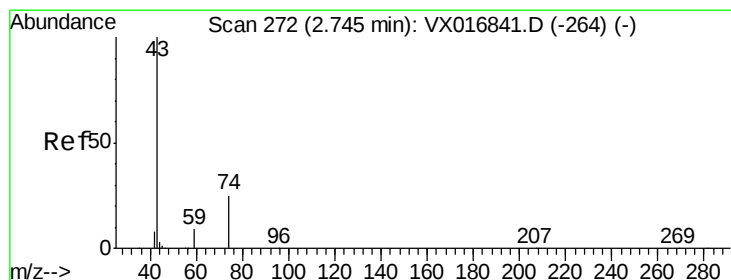
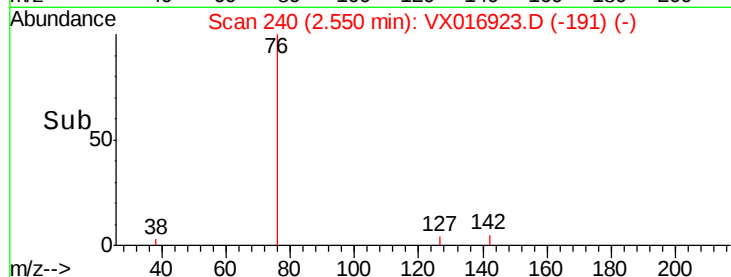
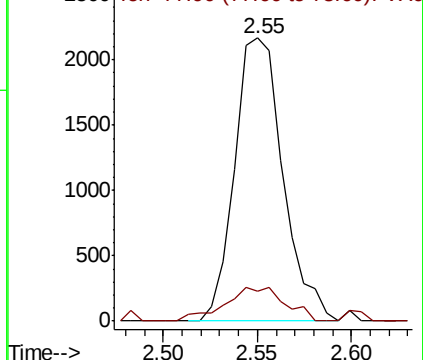
76 100

78 10.7 7.5 11.3



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 0.219 ug/l

RT: 2.74 min Scan# 271

Delta R.T. -0.01 min

Lab File: VX016923.D

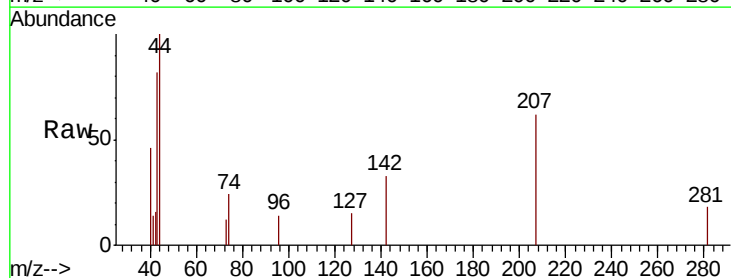
Acq: 22 Jun 2020 16:23

Tgt Ion: 43 Resp: 911

Ion Ratio Lower Upper

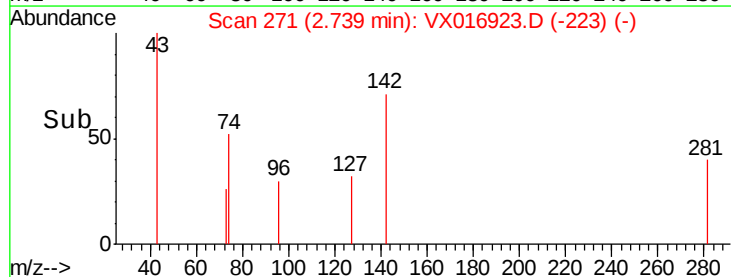
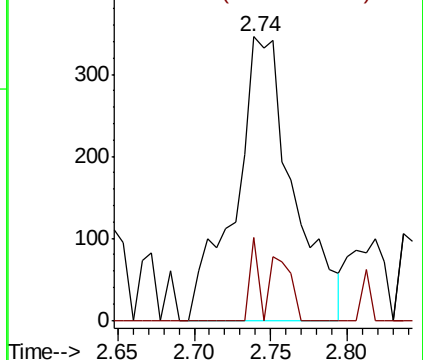
43 100

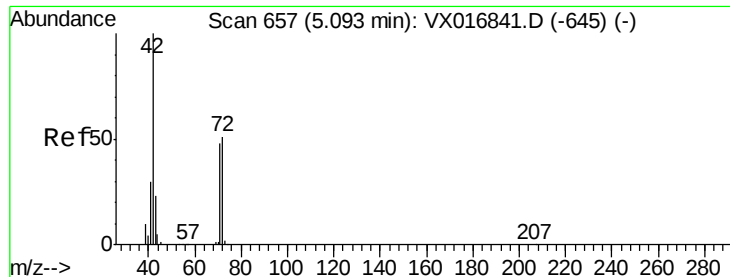
74 4.1 21.8 32.8#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





#29

Tetrahydrofuran

Concen: 0.406 ug/l

RT: 5.11 min Scan# 660

Delta R.T. 0.02 min

Lab File: VX016923.D

Acq: 22 Jun 2020 16:23

Instrument :

MSVOA_X

ClientSampleId :

VX0622WBL01

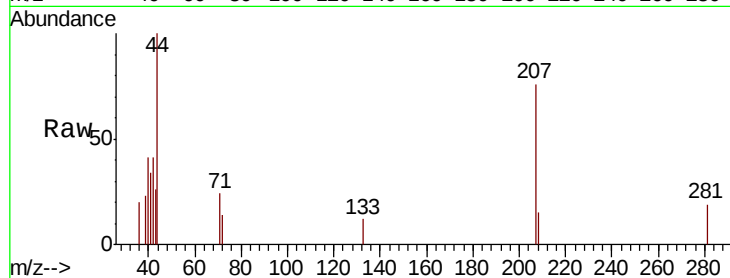
Tot Ion: 42 Resp: 577

Ion Ratio Lower Upper

42 100

72 4.2 41.1 61.7#

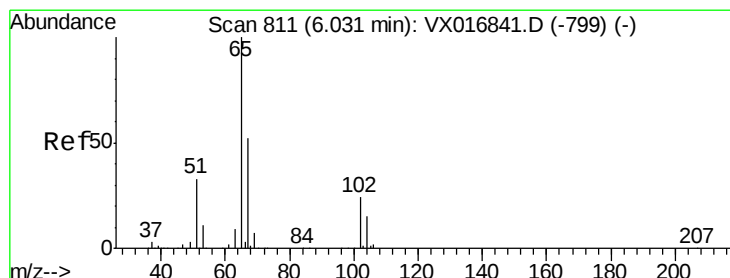
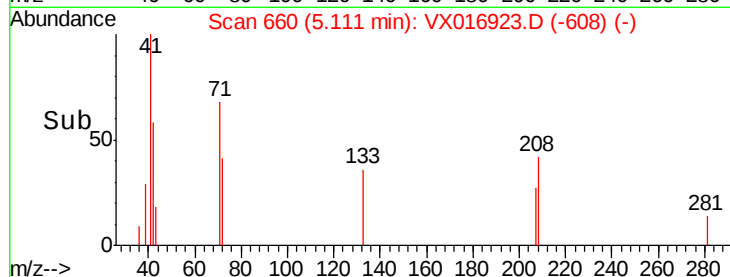
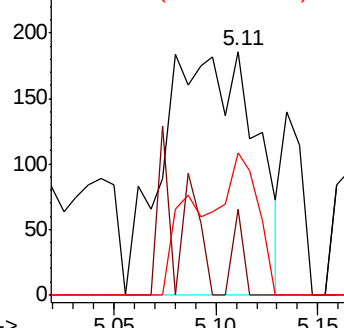
71 20.8 38.4 57.6#



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



#33

1,2-Dichloroethane-d4

Concen: 45.864 ug/l

RT: 6.03 min Scan# 810

Delta R.T. -0.01 min

Lab File: VX016923.D

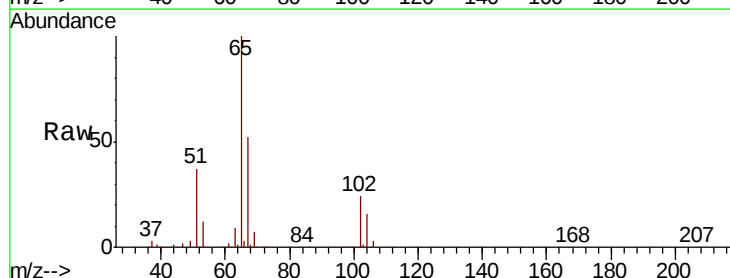
Acq: 22 Jun 2020 16:23

Tgt Ion: 65 Resp: 207047

Ion Ratio Lower Upper

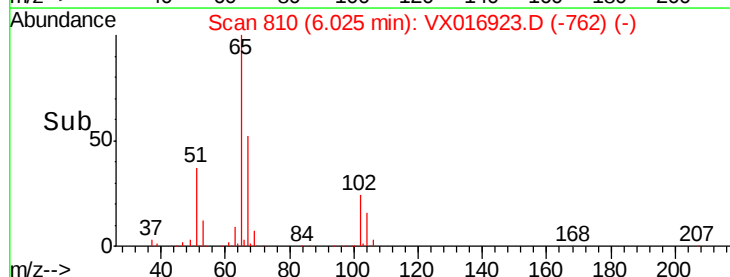
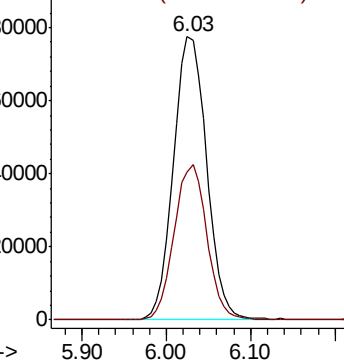
65 100

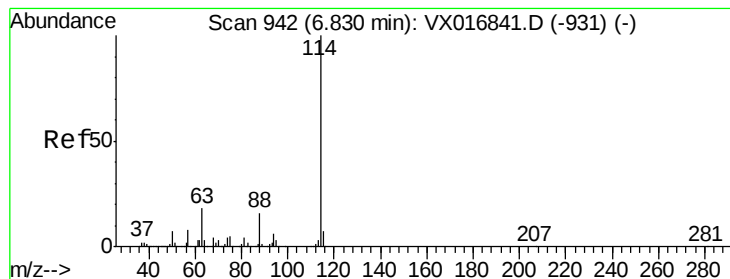
67 54.2 0.0 102.6



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: 6.83 min Scan# 942

Delta R.T. -0.00 min

Lab File: VX016923.D

Acq: 22 Jun 2020 16:23

Instrument :

MSVOA_X

ClientSampleId :

VX0622WBL01

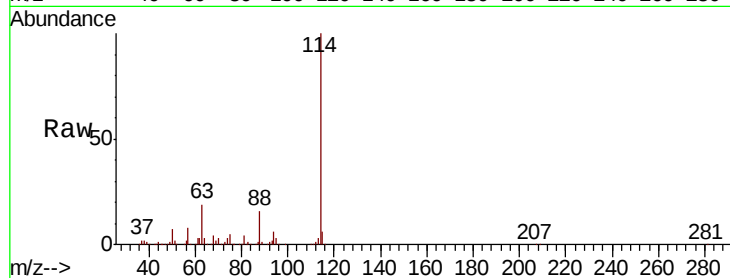
Tot Ion:114 Resp: 531804

Ion Ratio Lower Upper

114 100

63 18.7 0.0 37.0

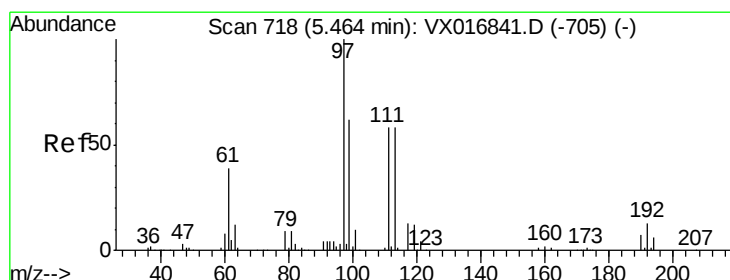
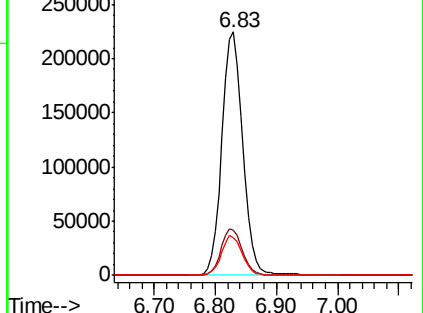
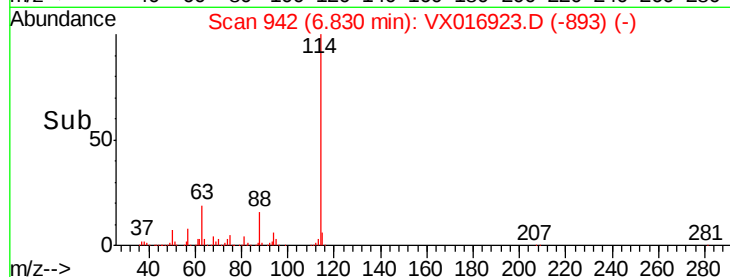
88 15.6 0.0 32.0



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: 54.510 ug/l

RT: 5.46 min Scan# 717

Delta R.T. -0.01 min

Lab File: VX016923.D

Acq: 22 Jun 2020 16:23

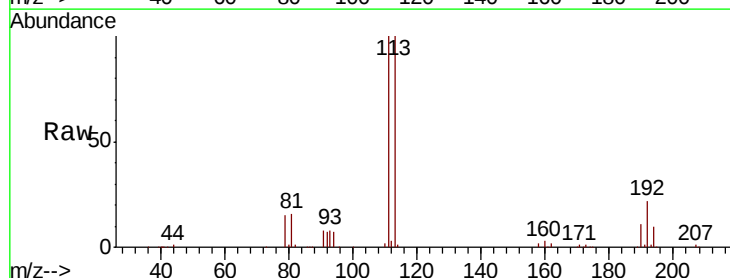
Tgt Ion:113 Resp: 185439

Ion Ratio Lower Upper

113 100

111 102.2 81.0 121.4

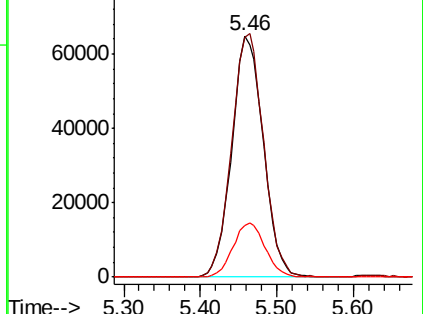
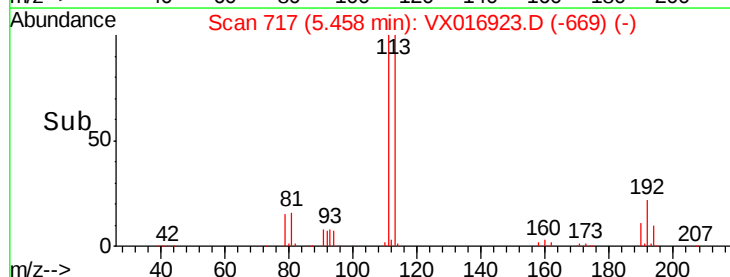
192 22.8 18.5 27.7

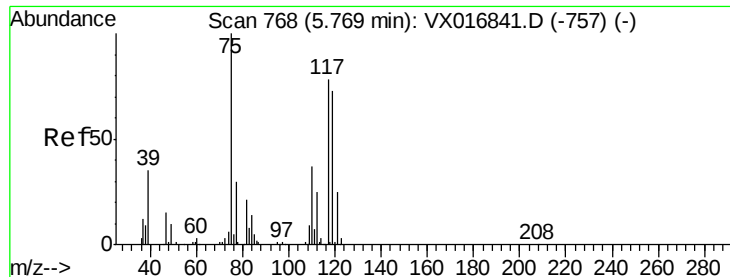


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.304 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.15 min

Lab File: VX016923.D

Acq: 22 Jun 2020 16:23

Instrument :

MSVOA_X

ClientSampleId :

VX0622WBL01

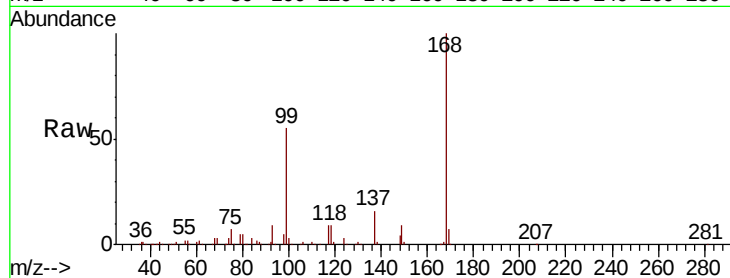
Tot Ion: 75 Resp: 26044

Ion Ratio Lower Upper

75 100

110 9.8 18.9 56.9#

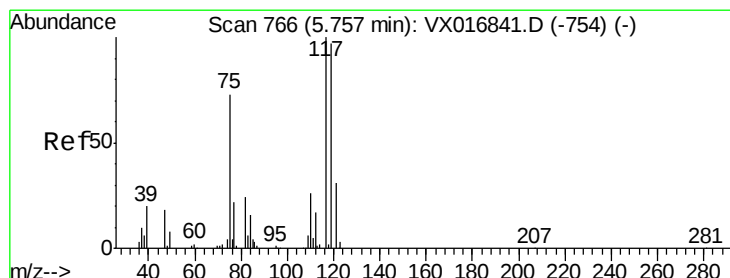
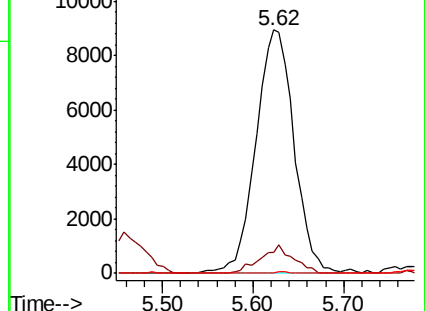
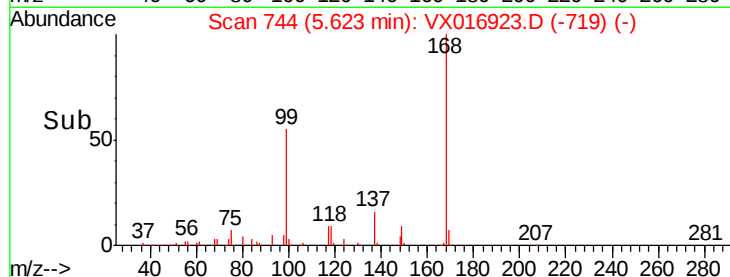
77 0.2 25.6 38.4#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0



#38

Carbon Tetrachloride

Concen: 6.389 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.13 min

Lab File: VX016923.D

Acq: 22 Jun 2020 16:23

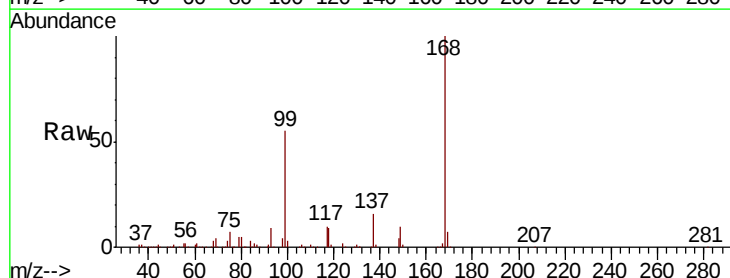
Tgt Ion: 117 Resp: 35200

Ion Ratio Lower Upper

117 100

119 5.4 77.4 116.2#

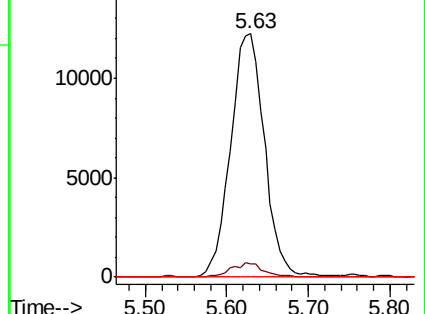
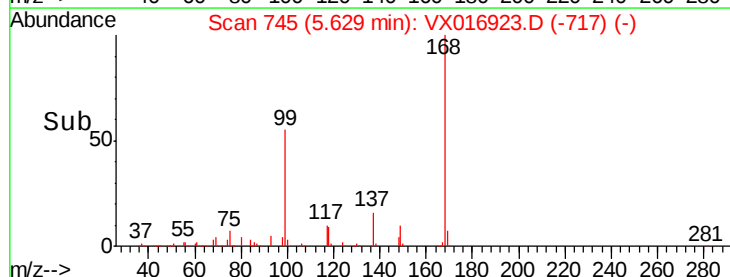
121 0.0 24.7 37.1#

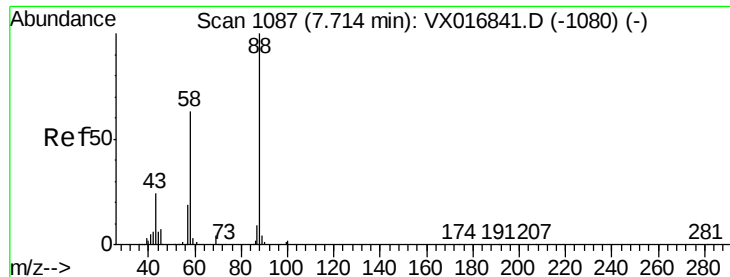


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

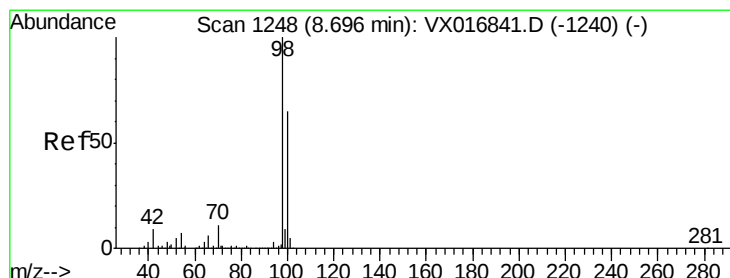
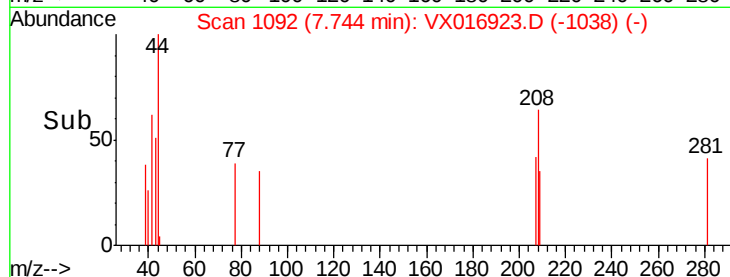
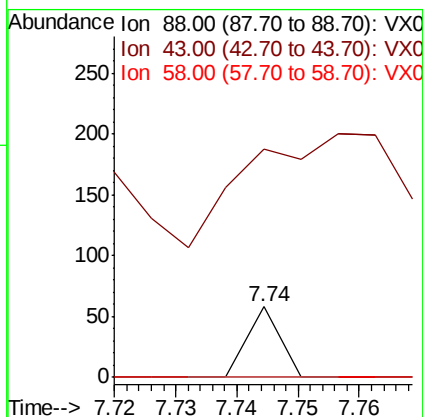
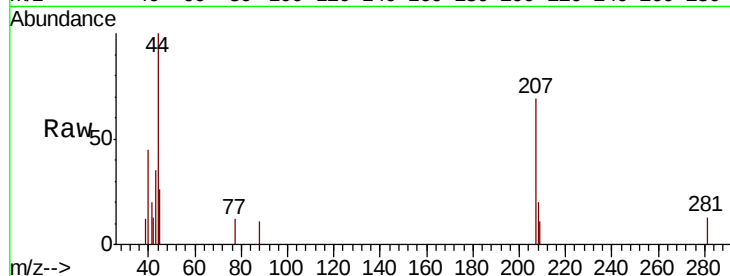




#49
1,4-Dioxane
Concen: 0.263 ug/l
RT: 7.74 min Scan# 1092
Delta R.T. 0.03 min
Lab File: VX016923.D
Acq: 22 Jun 2020 16:23

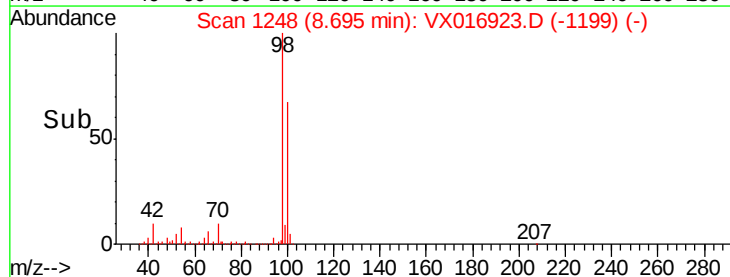
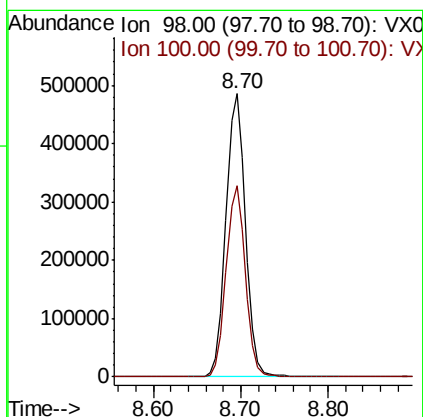
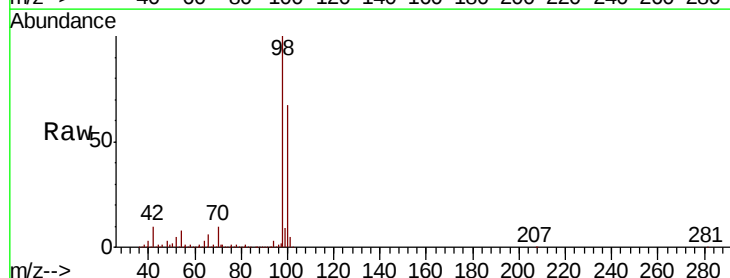
Instrument :
MSVOA_X
ClientSampleId :
VX0622WBL01

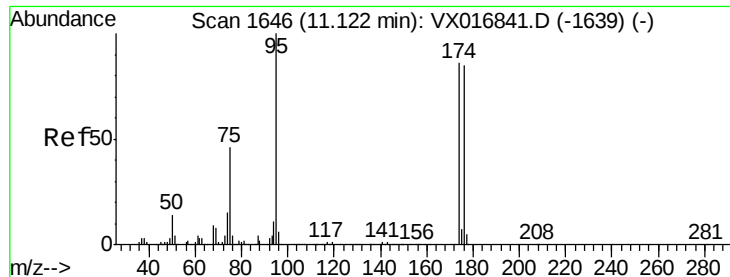
Tot Ion: 88 Resp: 21
Ion Ratio Lower Upper
88 100
43 790.5 22.7 34.1#
58 0.0 53.1 79.7#



#50
Toluene-d8
Concen: 55.171 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX016923.D
Acq: 22 Jun 2020 16:23

Tgt Ion: 98 Resp: 750925
Ion Ratio Lower Upper
98 100
100 67.0 54.0 81.0





#62

4-Bromofluorobenzene

Concen: 51.382 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016923.D

Acq: 22 Jun 2020 16:23

Instrument :

MSVOA_X

ClientSampled :

VX0622WBL01

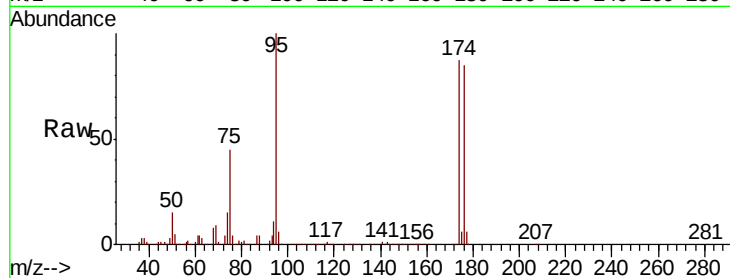
Tot Ion: 95 Resp: 267950

Ion Ratio Lower Upper

95 100

174 85.1 0.0 174.2

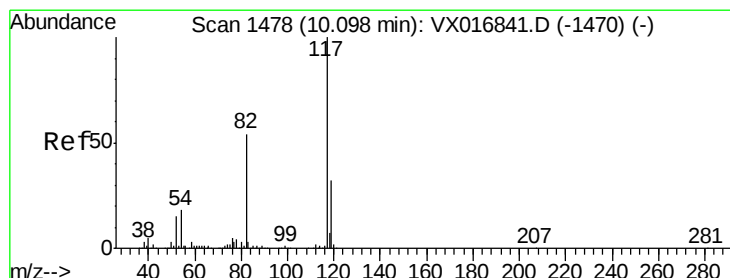
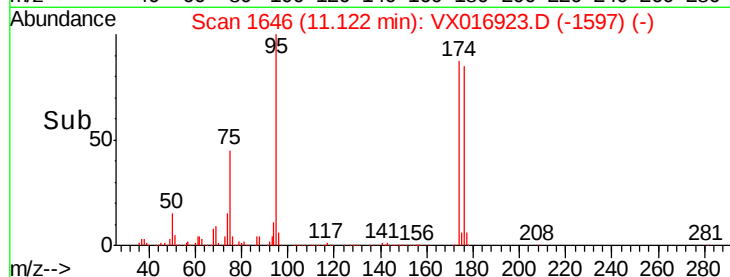
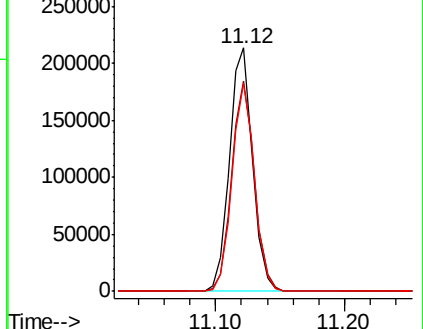
176 83.4 0.0 170.0



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



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX016923.D

Acq: 22 Jun 2020 16:23

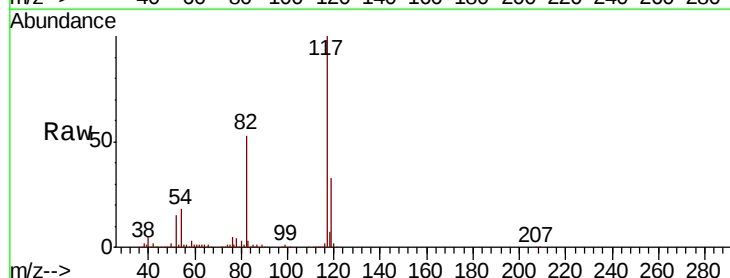
Tgt Ion: 117 Resp: 529601

Ion Ratio Lower Upper

117 100

82 53.4 43.4 65.0

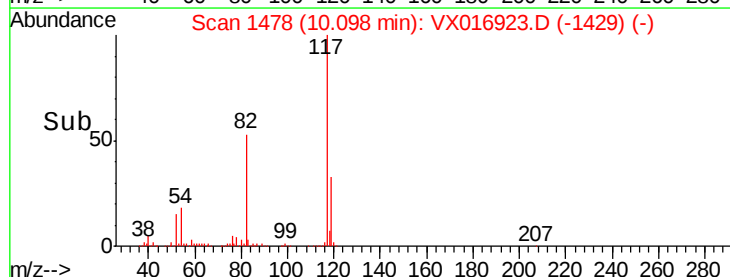
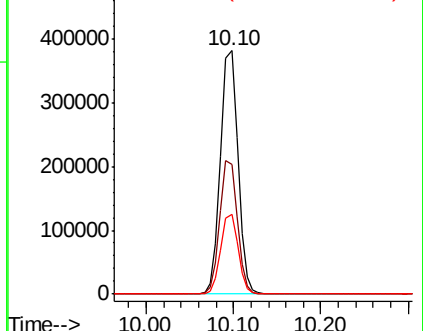
119 32.8 25.7 38.5

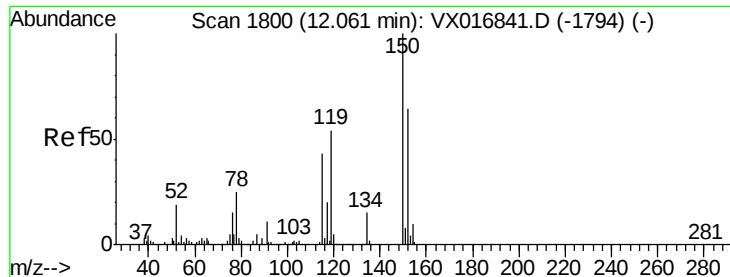


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX016923.D

Acq: 22 Jun 2020 16:23

Instrument :

MSVOA_X

ClientSampleId :

VX0622WBL01

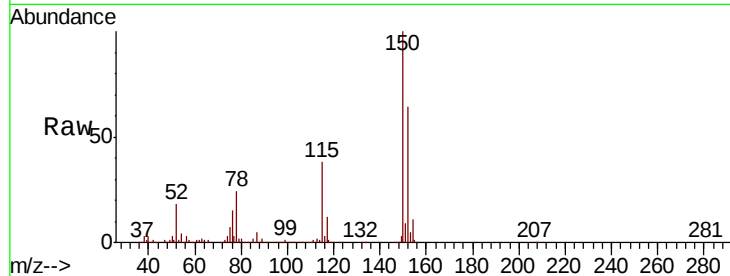
Tot Ion:152 Resp: 268630

Ion Ratio Lower Upper

152 100

115 57.7 40.9 122.8

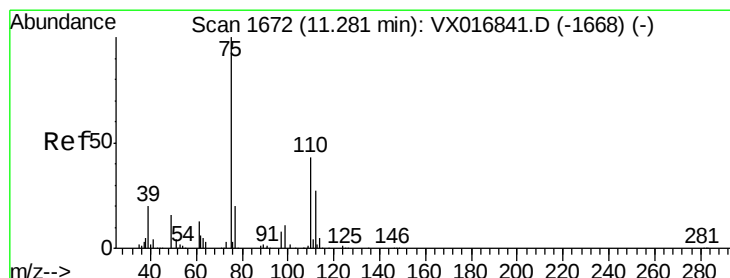
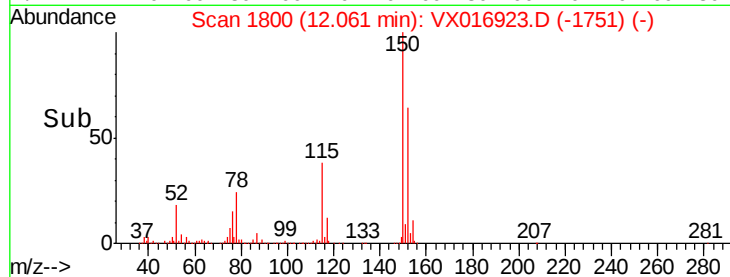
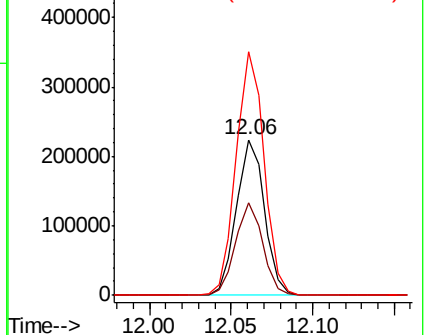
150 155.9 0.0 344.2



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 25.756 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016923.D

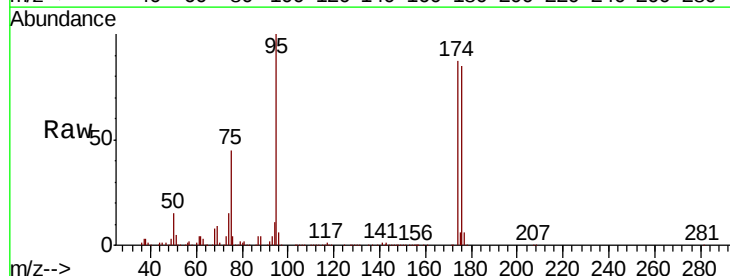
Acq: 22 Jun 2020 16:23

Tgt Ion: 75 Resp: 126359

Ion Ratio Lower Upper

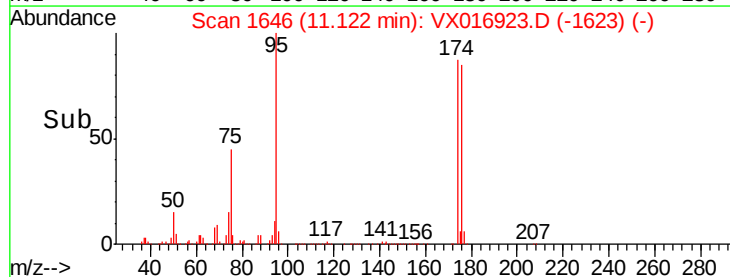
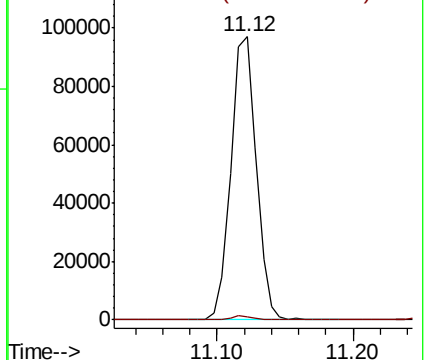
75 100

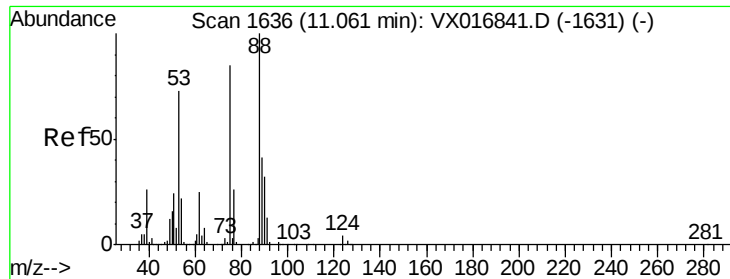
77 1.2 20.5 61.5#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

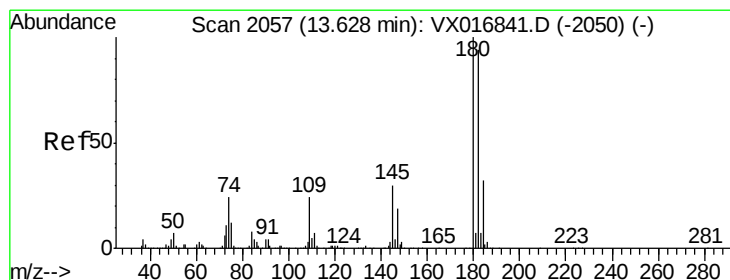
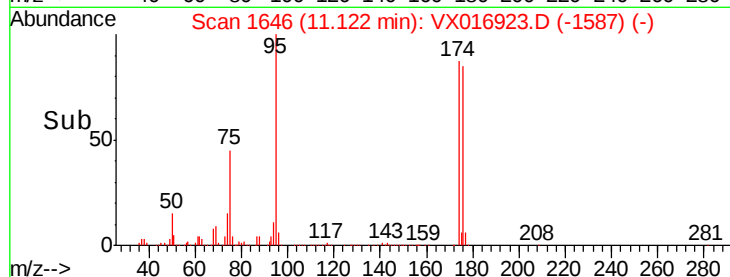
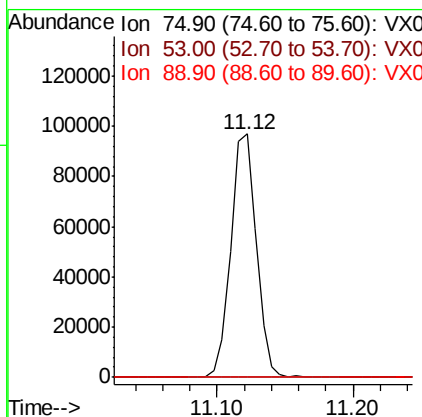
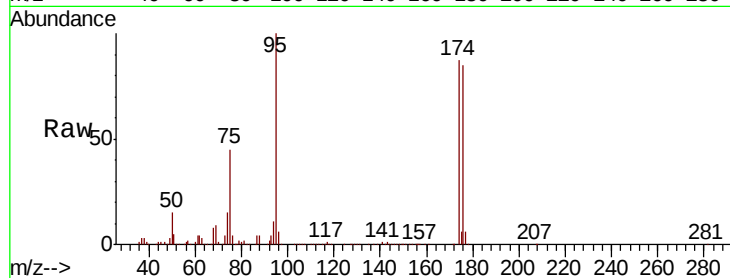




#81
trans-1,4-Dichloro-2-butene
Concen: 63.072 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. 0.06 min
Lab File: VX016923.D
Acq: 22 Jun 2020 16:23

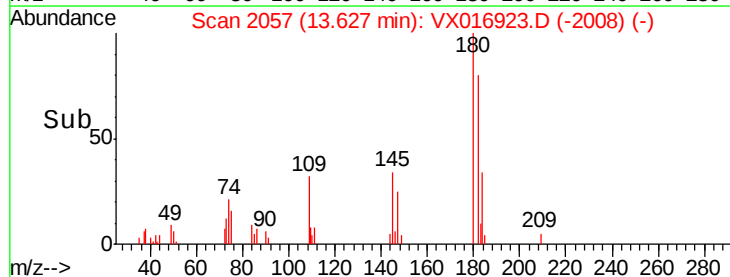
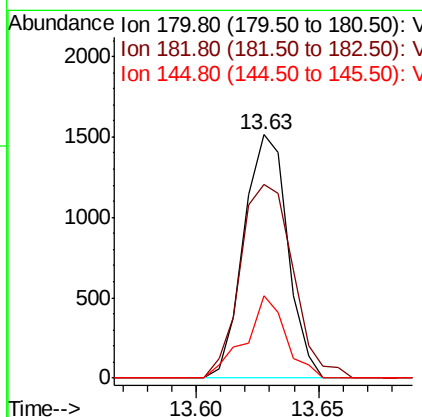
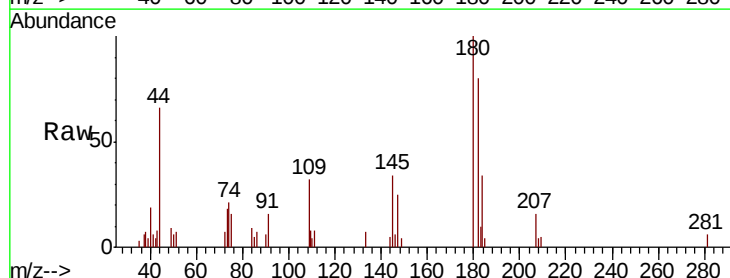
Instrument :
MSVOA_X
ClientSampleId :
VX0622WBL01

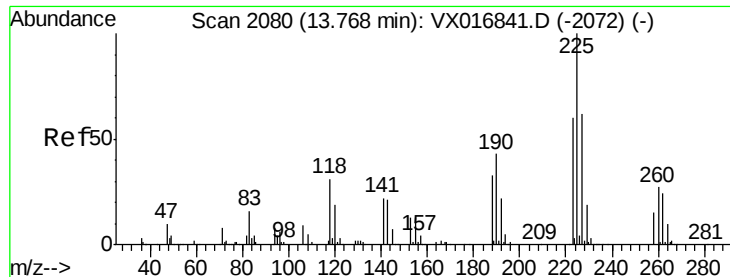
Tot Ion: 75 Resp: 126359
Ion Ratio Lower Upper
75 100
53 0.1 69.8 104.8#
89 0.0 38.3 57.5#



#93
1,2,4-Trichlorobenzene
Concen: 0.336 ug/l
RT: 13.63 min Scan# 2057
Delta R.T. 0.00 min
Lab File: VX016923.D
Acq: 22 Jun 2020 16:23

Tgt Ion:180 Resp: 1879
Ion Ratio Lower Upper
180 100
182 96.4 47.7 143.1
145 31.5 15.0 45.1





#94

Hexachlorobutadiene

Concen: 0.528 ug/l

RT: 13.76 min Scan# 2079

Delta R.T. -0.01 min

Lab File: VX016923.D

Acq: 22 Jun 2020 16:23

Instrument :

MSVOA_X

ClientSampleId :

VX0622WBL01

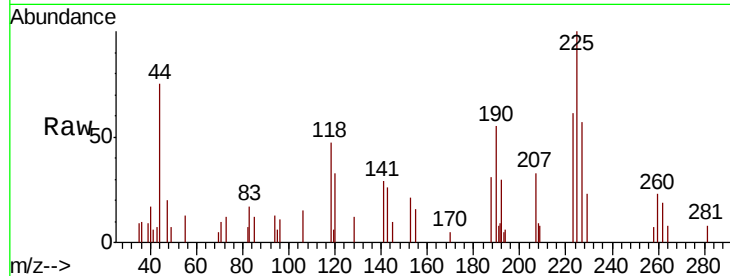
Tot Ion:225 Resp: 1332

Ion Ratio Lower Upper

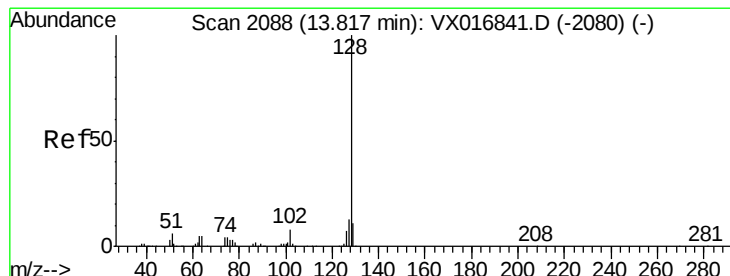
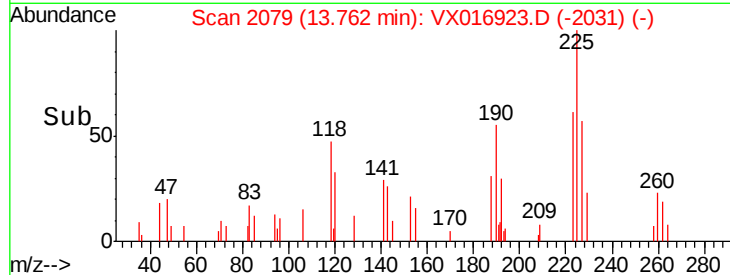
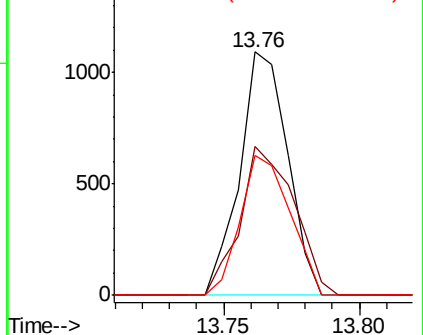
225 100

223 69.0 32.1 96.5

227 59.9 32.3 96.8



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: 0.256 ug/l

RT: 13.82 min Scan# 2088

Delta R.T. -0.00 min

Lab File: VX016923.D

Acq: 22 Jun 2020 16:23

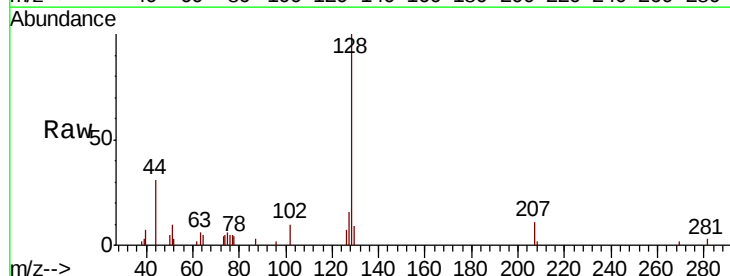
Tgt Ion:128 Resp: 4193

Ion Ratio Lower Upper

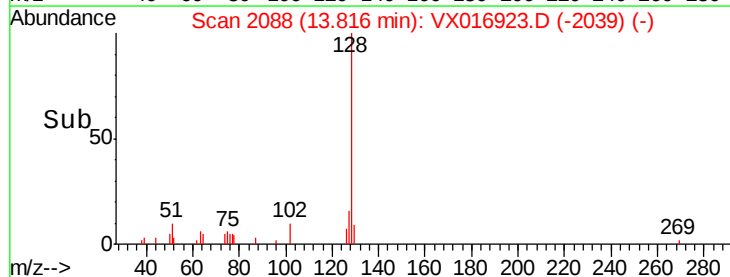
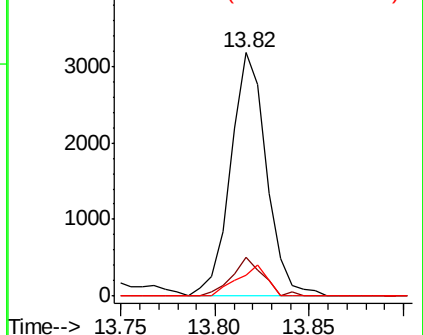
128 100

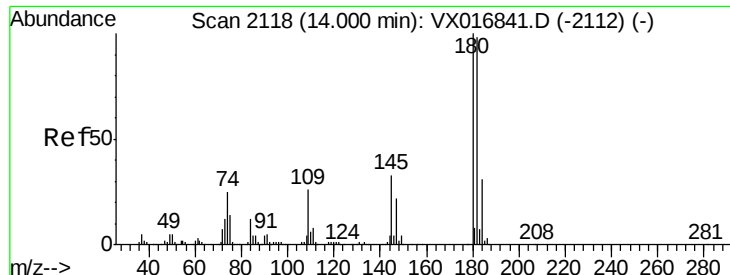
127 14.0 10.4 15.6

129 10.6 8.6 13.0



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

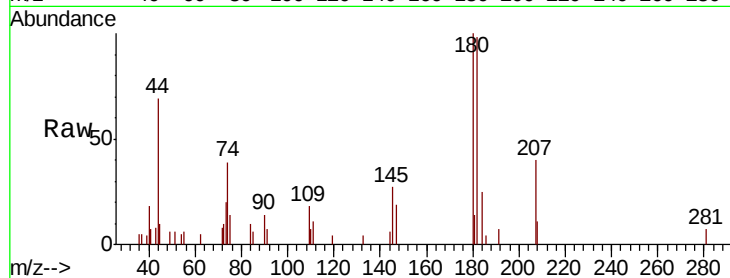




#96
 1,2,3-Trichlorobenzene
 Concen: 0.320 ug/l
 RT: 14.01 min Scan# 2119
 Delta R.T. 0.01 min
 Lab File: VX016923.D
 Acq: 22 Jun 2020 16:23

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0622WBL01

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.3	47.4	142.3
145	27.7	16.0	48.0



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

