

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX052120\
 Data File : VX016391.D
 Acq On : 21 May 2020 18:04
 Operator : JC/SP
 Sample : L2730-03 40X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: May 22 09:22:03 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X050420W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 06 06:43:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	230562	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	388314	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	379089	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	191402	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	134138	44.21	ug/l	0.00
Spiked Amount			Recovery	=	88.42%	
35) Dibromofluoromethane	5.47	113	111537	45.34	ug/l	0.00
Spiked Amount			Recovery	=	90.68%	
50) Toluene-d8	8.70	98	470803	49.67	ug/l	0.00
Spiked Amount			Recovery	=	99.34%	
62) 4-Bromofluorobenzene	11.12	95	191711	53.17	ug/l	0.00
Spiked Amount			Recovery	=	106.34%	

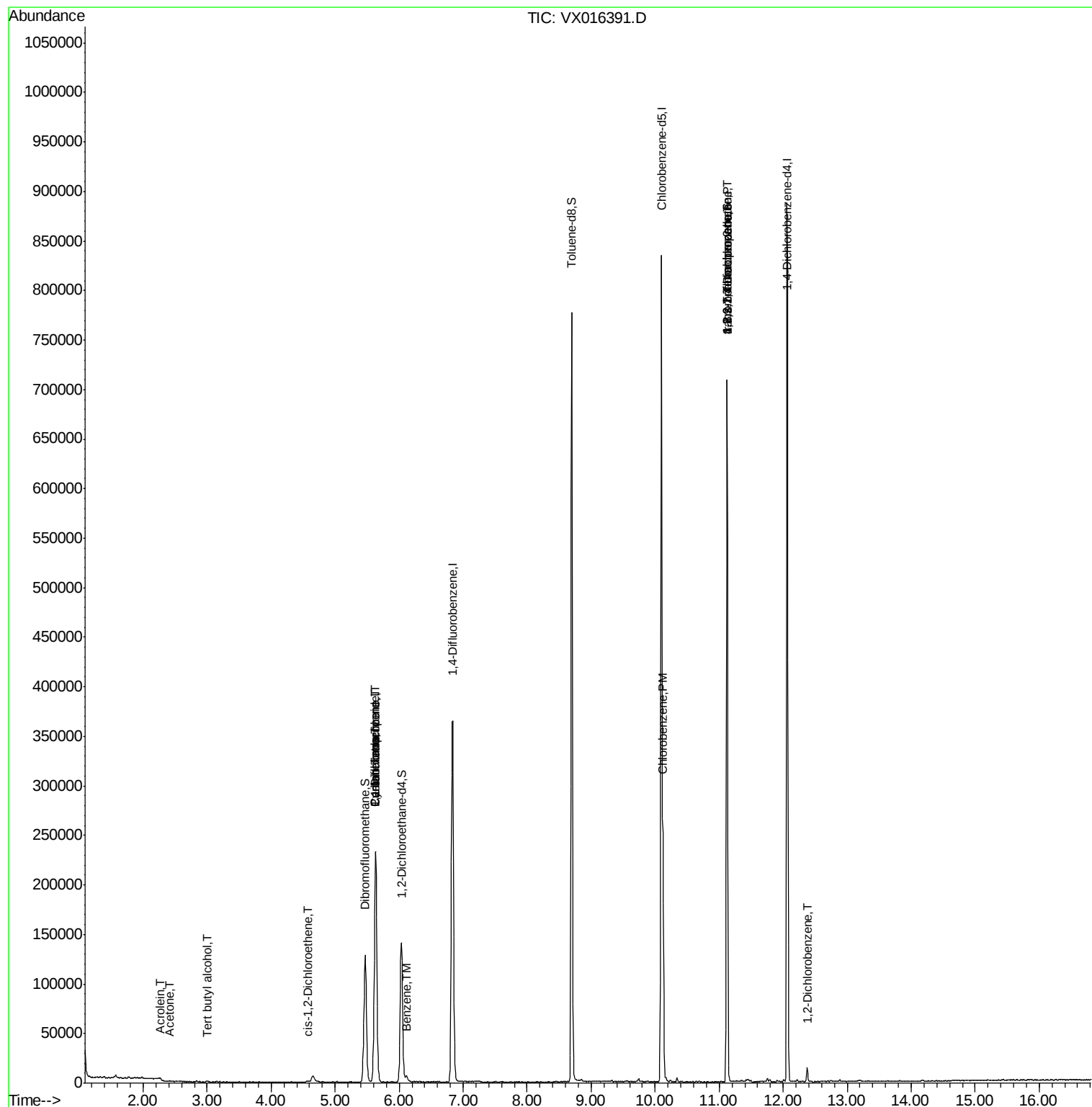
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.01	59	705	0.919	ug/l #	81
13) Acrolein	2.27	56	219	0.456	ug/l #	1
16) Acetone	2.42	43	578	0.427	ug/l	96
17) Carbon Disulfide	2.55	76	665	Below Cal	#	77
27) cis-1,2-Dichloroethene	4.57	96	1367	0.468	ug/l	55
31) Cyclohexane	5.64	56	4098	0.972	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	16728	4.376	ug/l #	49
38) Carbon Tetrachloride	5.64	117	22509	5.794	ug/l #	14
40) Benzene	6.12	78	6883	0.615	ug/l	97
65) Chlorobenzene	10.12	112	100521	12.664	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.12	83	111	2.092	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	89918	20.702	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.12	75	89918	49.335	ug/l #	13
91) 1,2-Dichlorobenzene	12.38	146	4684	0.754	ug/l	97

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

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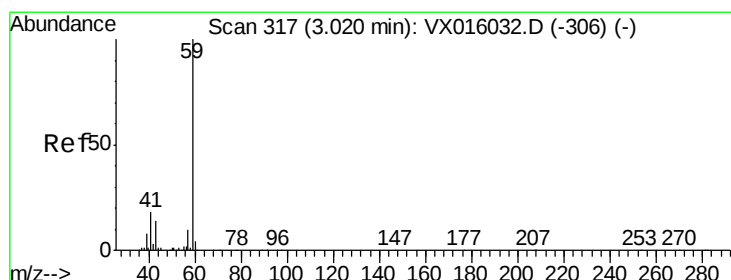
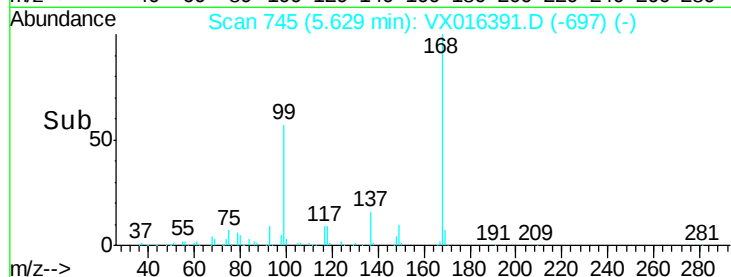
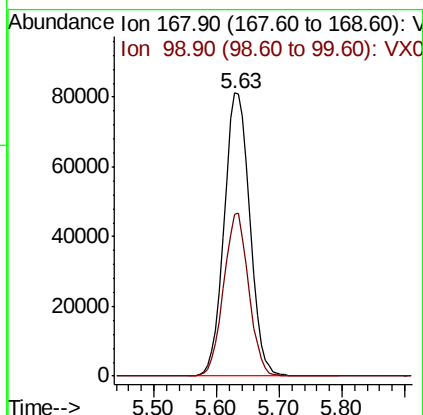
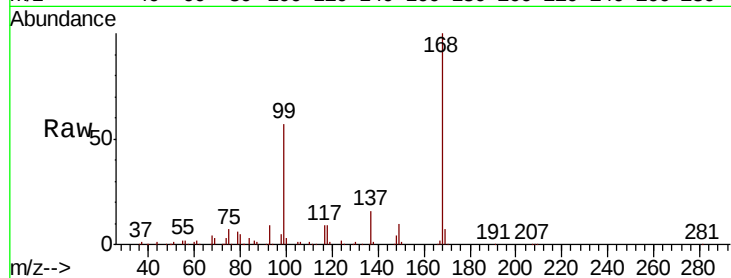


#1

Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.01 min
 Lab File: VX016391.D
 Acq: 21 May 2020 18:04

Instrument :
 MSVOA_X
 ClientSampleId :

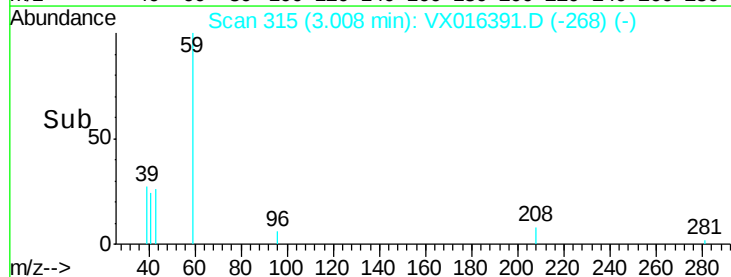
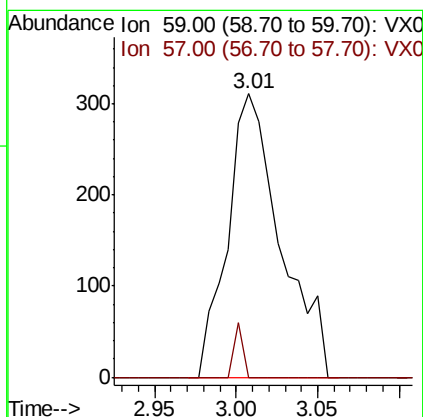
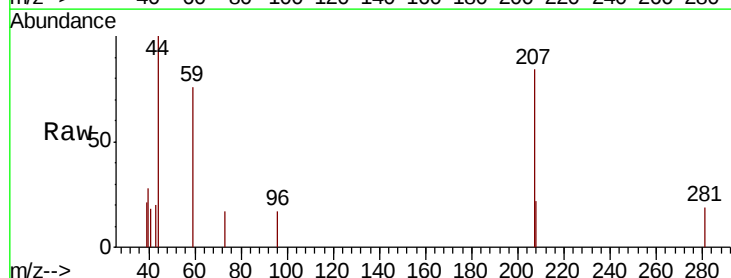
Tot Ion:168 Resp: 230562
 Ion Ratio Lower Upper
 168 100
 99 57.2 45.0 67.4



#11

Tert butyl alcohol
 Concen: 0.919 ug/l
 RT: 3.01 min Scan# 315
 Delta R.T. -0.01 min
 Lab File: VX016391.D
 Acq: 21 May 2020 18:04

Tgt Ion: 59 Resp: 705
 Ion Ratio Lower Upper
 59 100
 57 3.1 8.2 12.4#





#13

Acrolein

Concen: 0.456 ug/l

RT: 2.27 min Scan# 194

Delta R.T. -0.00 min

Lab File: VX016391.D

Acq: 21 May 2020 18:04

Instrument :

MSVOA_X

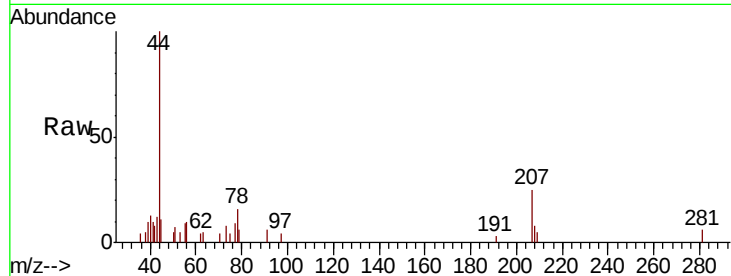
ClientSampleId :

Tot Ion: 56 Resp: 219

Ion Ratio Lower Upper

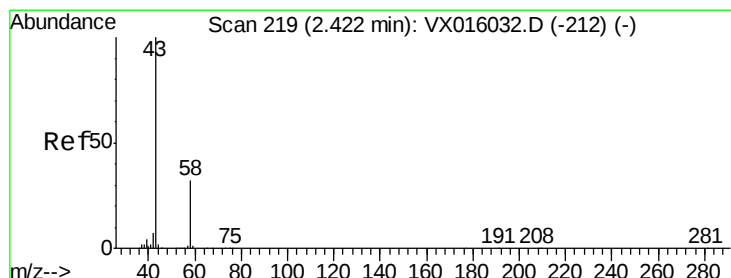
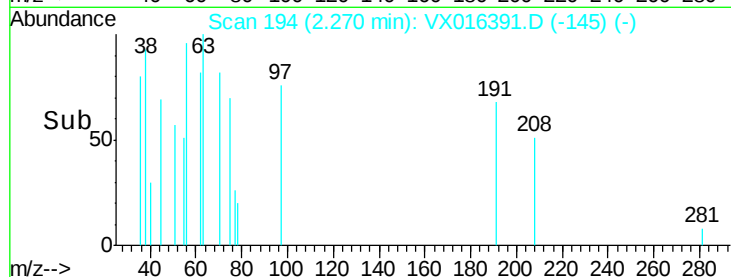
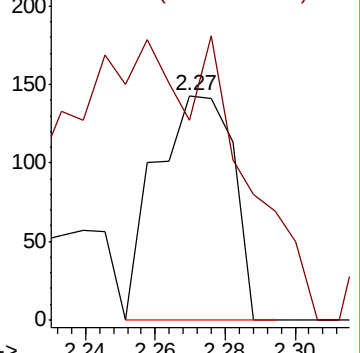
56 100

55 253.4 56.5 84.7#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 0.427 ug/l

RT: 2.42 min Scan# 219

Delta R.T. -0.00 min

Lab File: VX016391.D

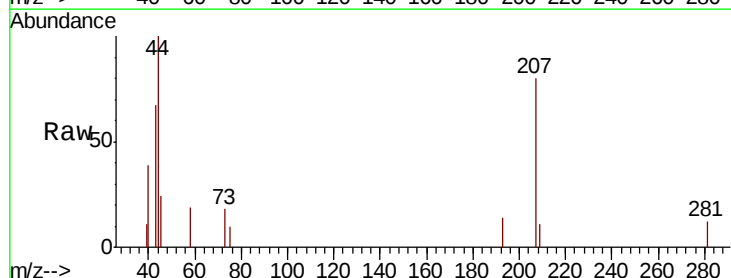
Acq: 21 May 2020 18:04

Tgt Ion: 43 Resp: 578

Ion Ratio Lower Upper

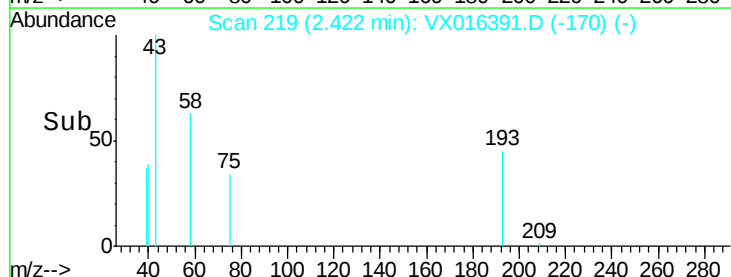
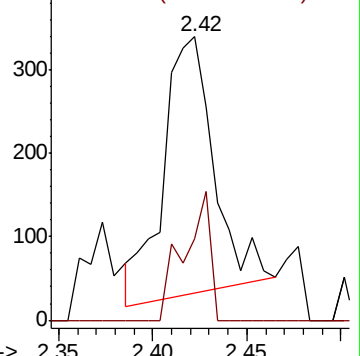
43 100

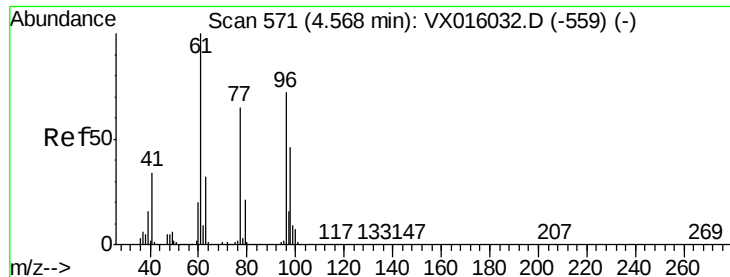
58 34.0 25.4 38.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



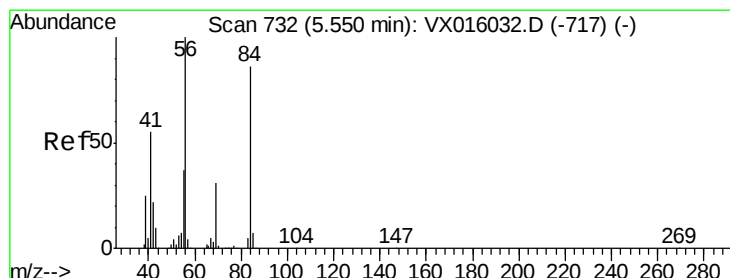
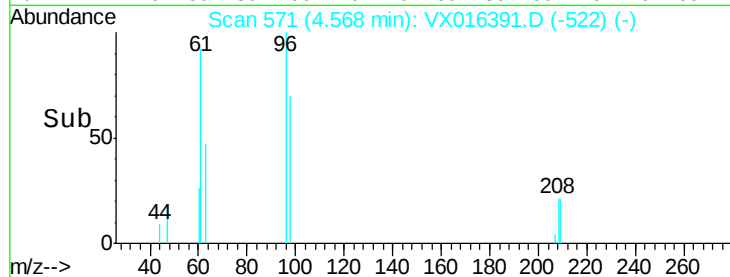
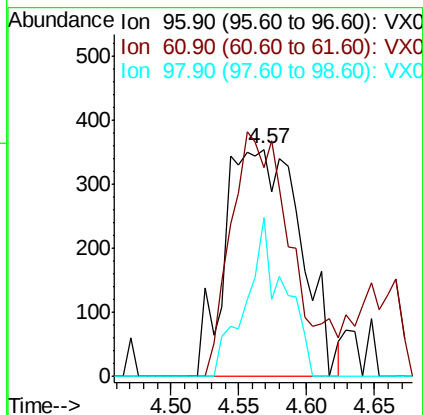
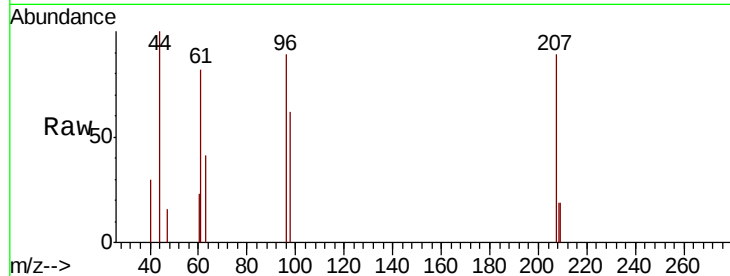


#27

cis-1,2-Dichloroethene
Concen: 0.468 ug/l
RT: 4.57 min Scan# 571
Delta R.T. -0.00 min
Lab File: VX016391.D
Acq: 21 May 2020 18:04

Instrument :
MSVOA_X
ClientSampled :

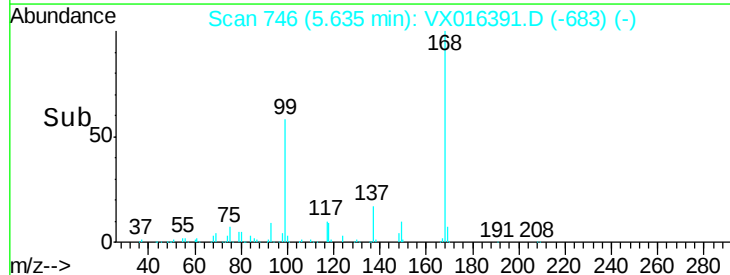
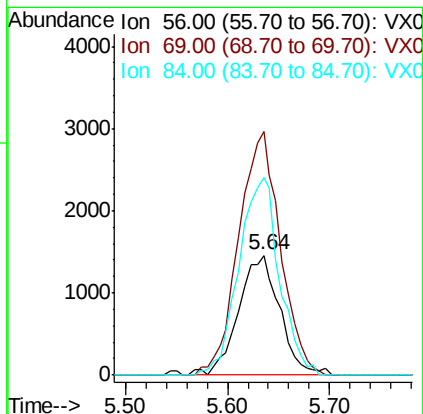
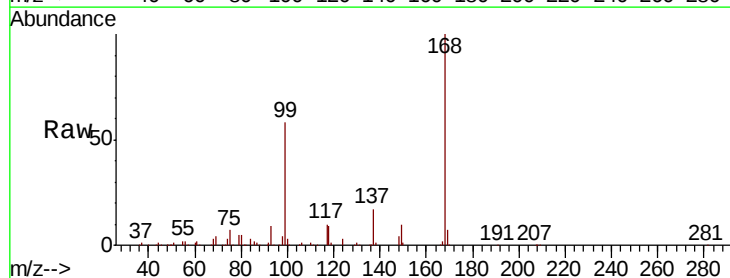
Tot Ion	96	Resp:	1367
Ion	Ratio	Lower	Upper
96	100		
61	87.1	0.0	296.2
98	35.3	0.0	129.4

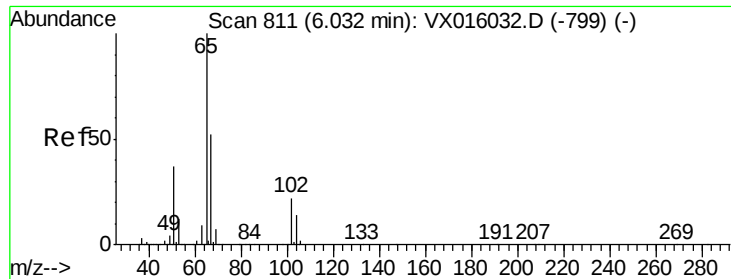


#31

Cyclohexane
Concen: 0.972 ug/l
RT: 5.64 min Scan# 746
Delta R.T. 0.09 min
Lab File: VX016391.D
Acq: 21 May 2020 18:04

Tgt Ion	56	Resp:	4098
Ion	Ratio	Lower	Upper
56	100		
69	202.7	25.0	37.6#
84	165.0	69.0	103.6#





#33

1,2-Dichloroethane-d4

Concen: 44.212 ug/l

RT: 6.04 min Scan# 812

Delta R.T. 0.01 min

Lab File: VX016391.D

Acq: 21 May 2020 18:04

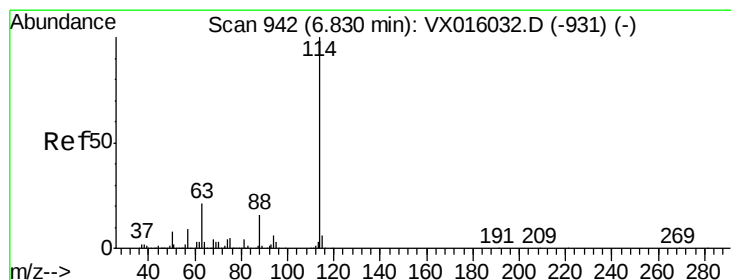
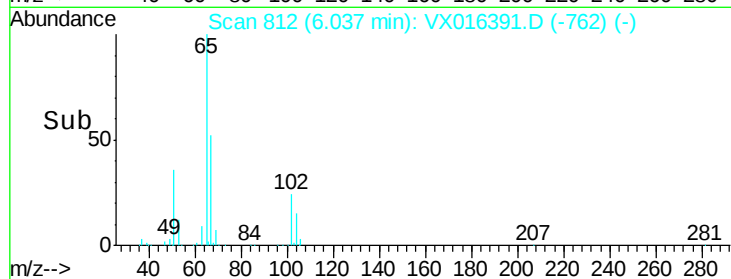
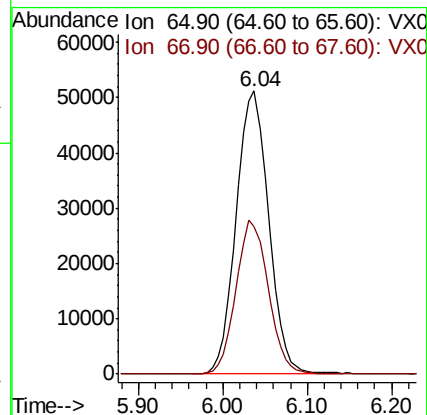
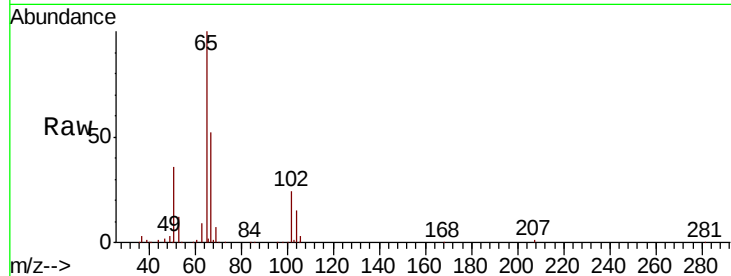
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 65 Resp: 134138

Ion Ratio Lower Upper

65 100

67 54.0 0.0 104.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 943

Delta R.T. 0.01 min

Lab File: VX016391.D

Acq: 21 May 2020 18:04

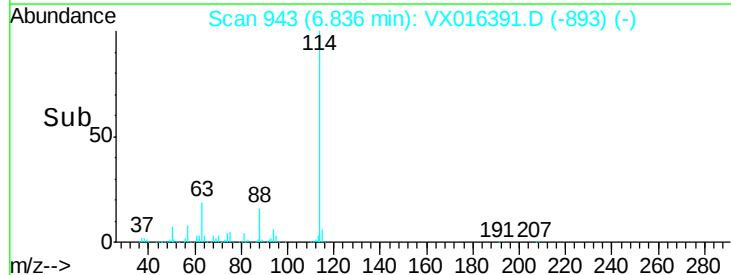
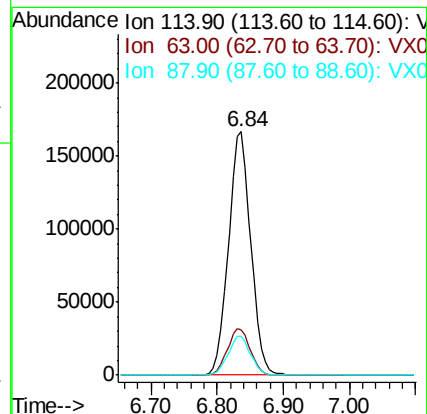
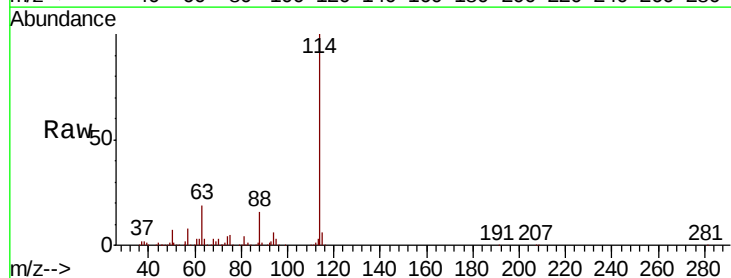
Tgt Ion: 114 Resp: 388314

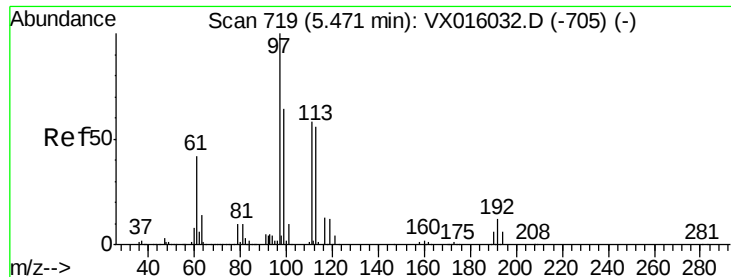
Ion Ratio Lower Upper

114 100

63 18.7 0.0 42.8

88 15.7 0.0 31.4

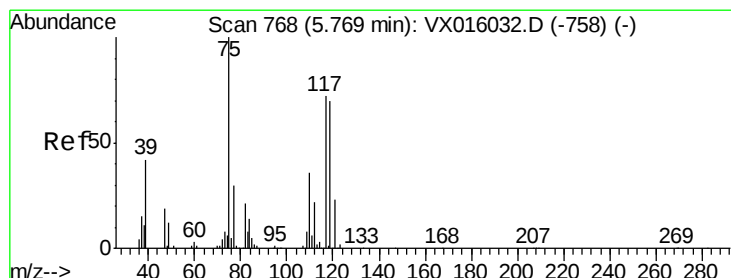
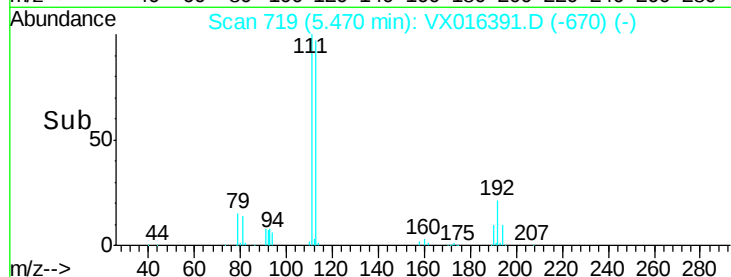
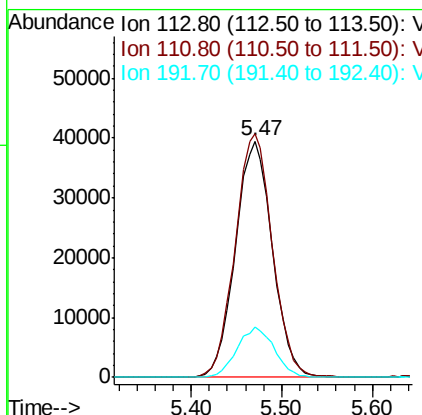
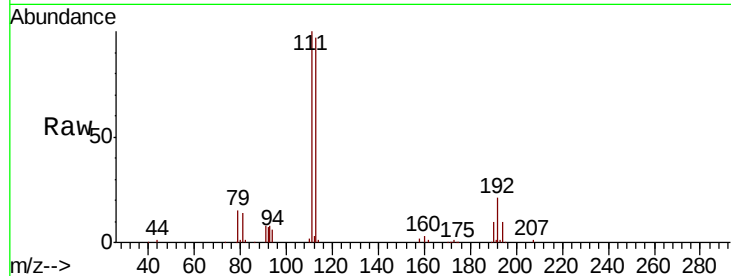




#35
 Dibromofluoromethane
 Concen: 45.338 ug/l
 RT: 5.47 min Scan# 719
 Delta R.T. -0.00 min
 Lab File: VX016391.D
 Acq: 21 May 2020 18:04

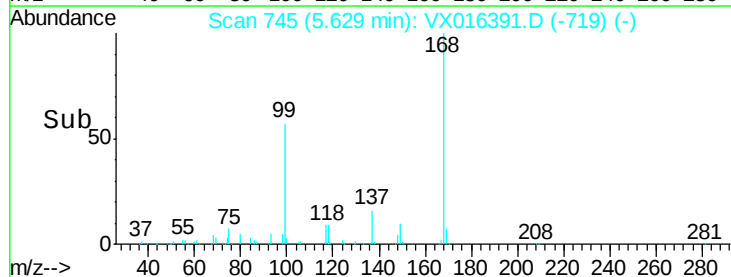
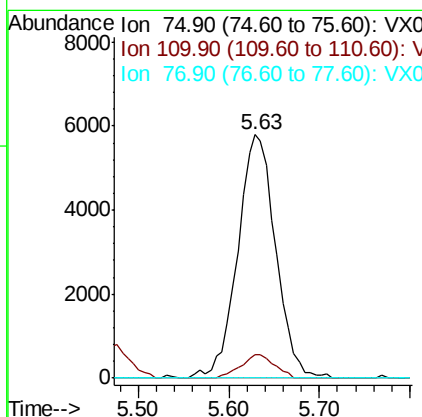
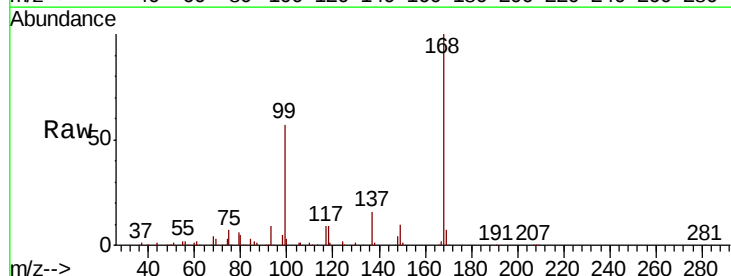
Instrument :
 MSVOA_X
 ClientSampleId :

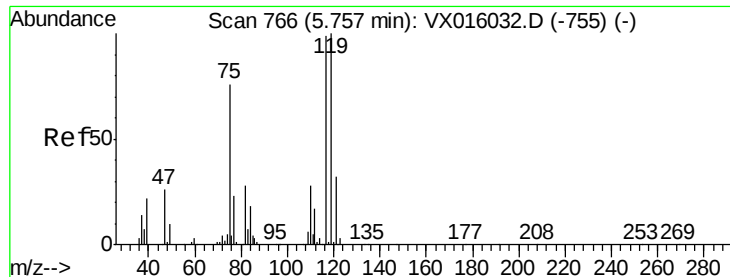
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.6	81.6	122.4
192	21.3	17.0	25.4



#36
 1,1-Dichloropropene
 Concen: 4.376 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.14 min
 Lab File: VX016391.D
 Acq: 21 May 2020 18:04

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.4	18.1	54.1#
77	0.0	25.0	37.6#





#38

Carbon Tetrachloride

Concen: 5.794 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.12 min

Lab File: VX016391.D

Acq: 21 May 2020 18:04

Instrument :

MSVOA_X

ClientSampled :

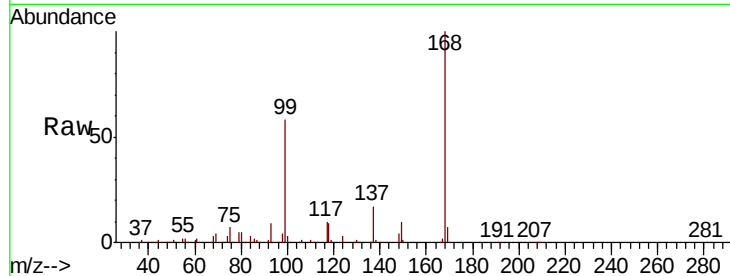
Tot Ion:117 Resp: 22509

Ion Ratio Lower Upper

117 100

119 5.5 80.3 120.5#

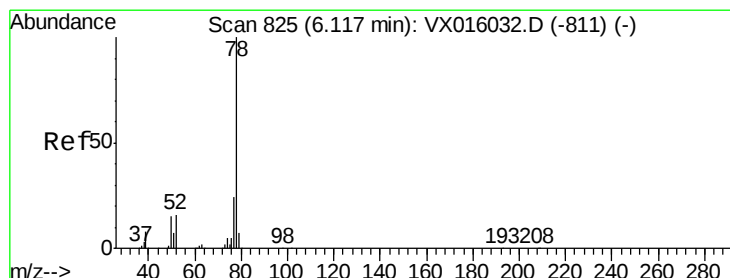
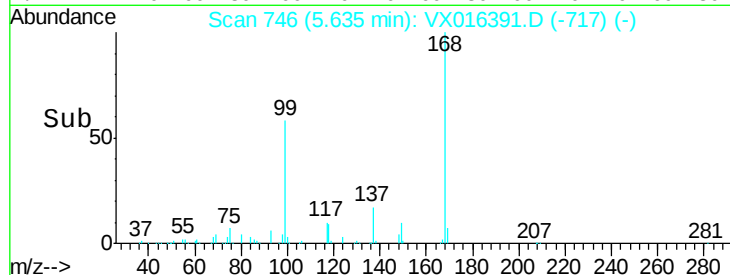
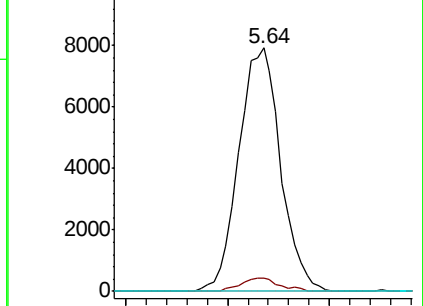
121 0.0 25.7 38.5#



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



#40

Benzene

Concen: 0.615 ug/l

RT: 6.12 min Scan# 825

Delta R.T. -0.00 min

Lab File: VX016391.D

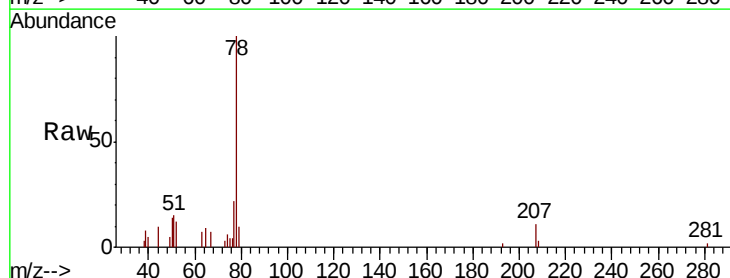
Acq: 21 May 2020 18:04

Tgt Ion: 78 Resp: 6883

Ion Ratio Lower Upper

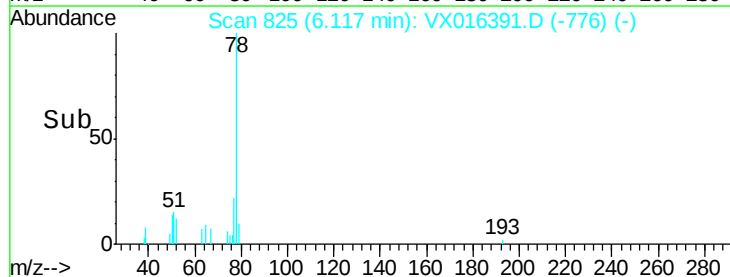
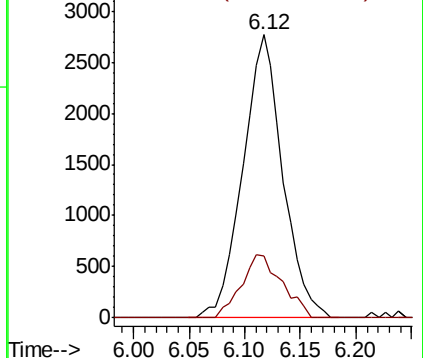
78 100

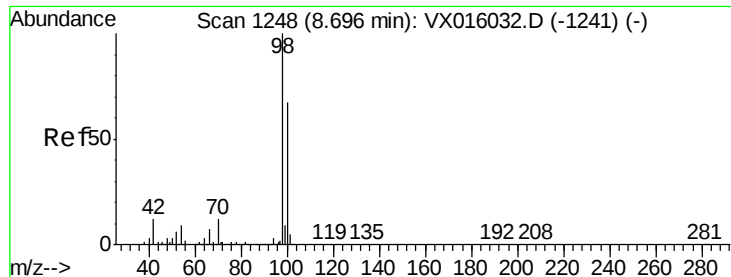
77 22.1 19.0 28.4



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0





#50

Toluene-d8

Concen: 49.668 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX016391.D

Acq: 21 May 2020 18:04

Instrument :

MSVOA_X

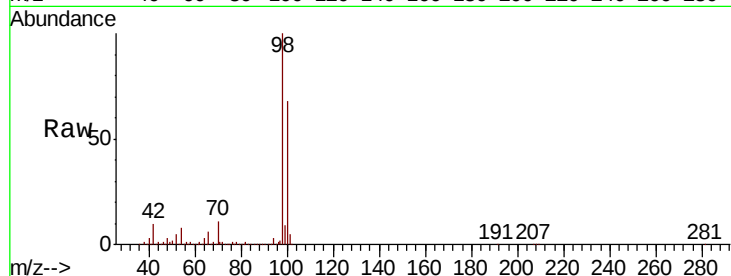
ClientSampleId :

Tot Ion: 98 Resp: 470803

Ion Ratio Lower Upper

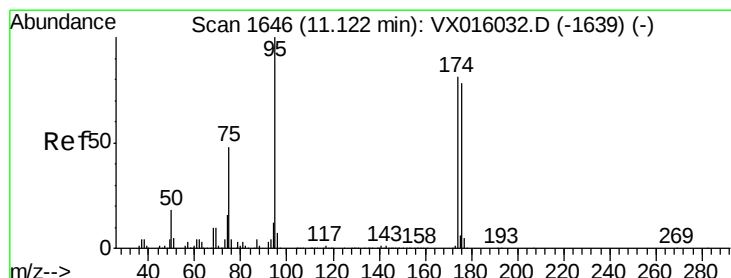
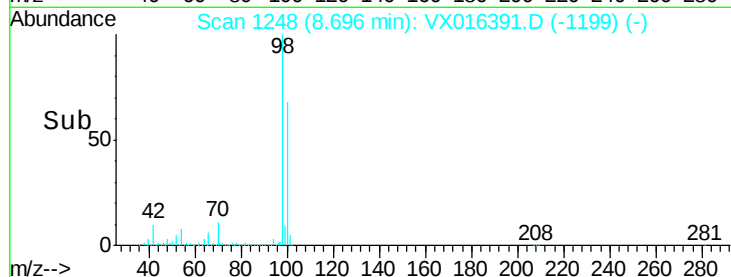
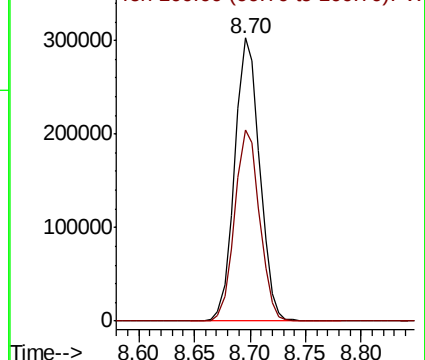
98 100

100 67.4 53.7 80.5



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V



#62

4-Bromofluorobenzene

Concen: 53.173 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016391.D

Acq: 21 May 2020 18:04

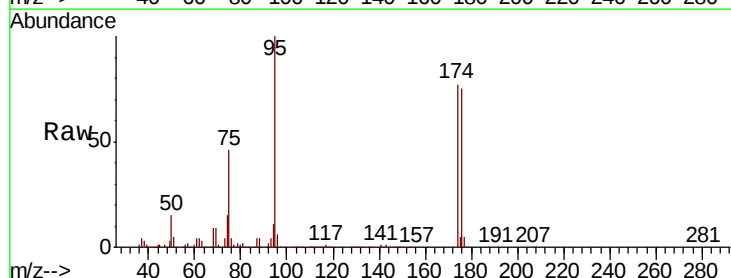
Tgt Ion: 95 Resp: 191711

Ion Ratio Lower Upper

95 100

174 80.0 0.0 159.4

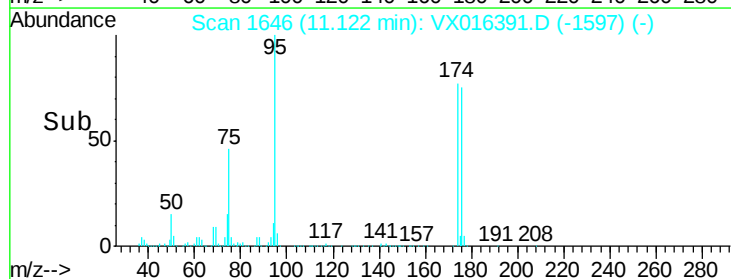
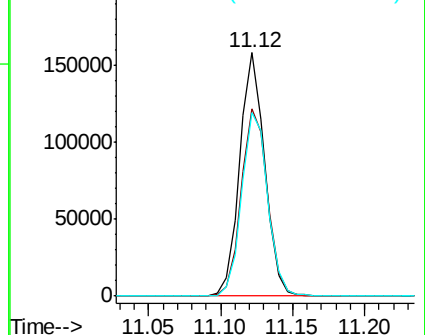
176 77.9 0.0 157.6

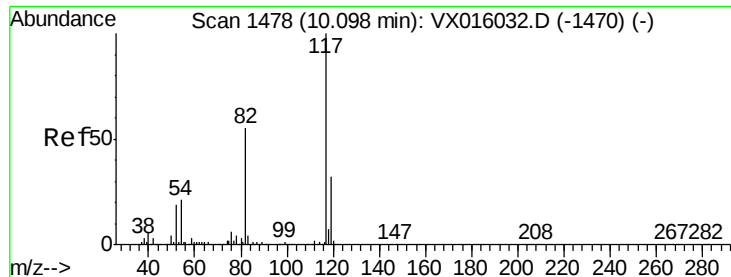


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

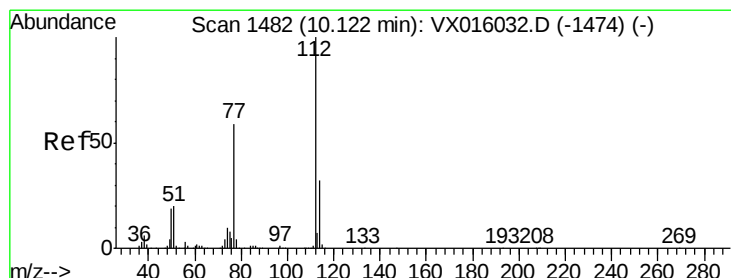
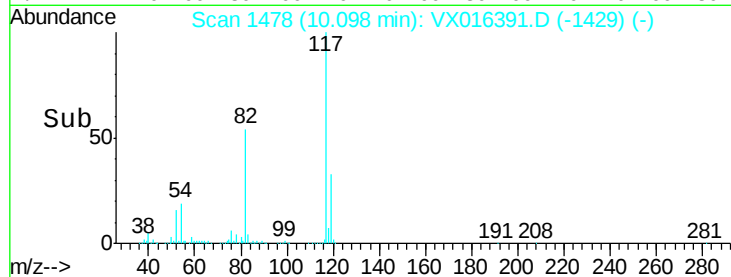
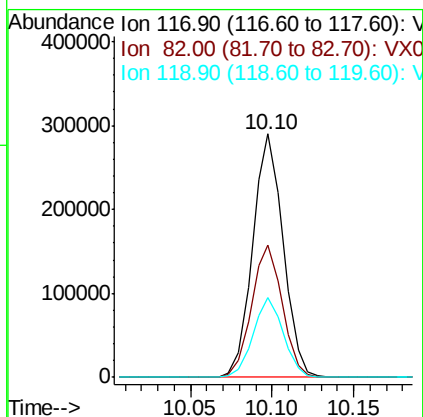
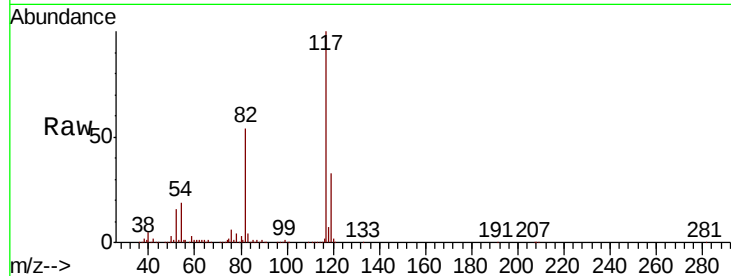




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX016391.D
Acq: 21 May 2020 18:04

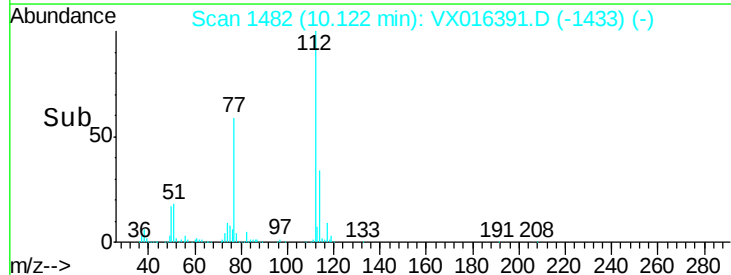
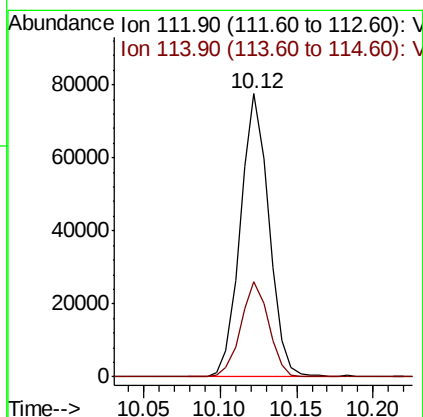
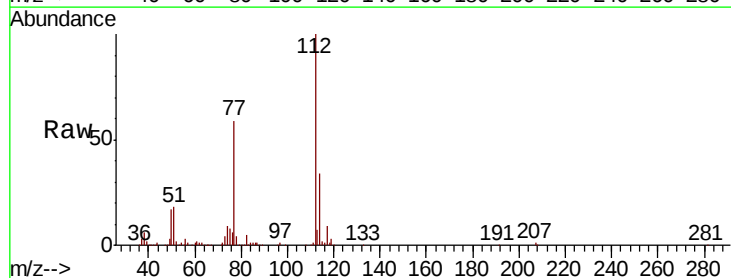
Instrument :
MSVOA_X
ClientSampleId :

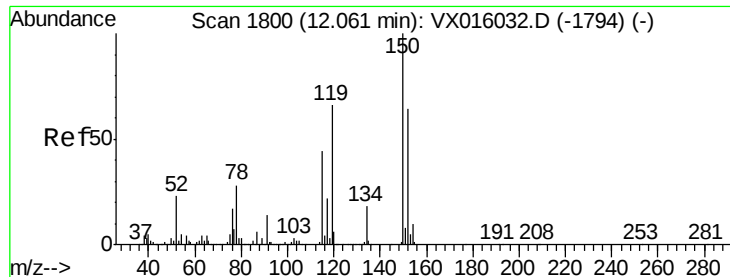
Tot Ion	Ratio	Lower	Upper
117	100		
82	54.5	44.4	66.6
119	32.7	25.5	38.3



#65
Chlorobenzene
Concen: 12.664 ug/l
RT: 10.12 min Scan# 1482
Delta R.T. -0.00 min
Lab File: VX016391.D
Acq: 21 May 2020 18:04

Tgt Ion	Ratio	Lower	Upper
112	100		
114	33.6	25.7	38.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX016391.D

Acq: 21 May 2020 18:04

Instrument :

MSVOA_X

ClientSampleId :

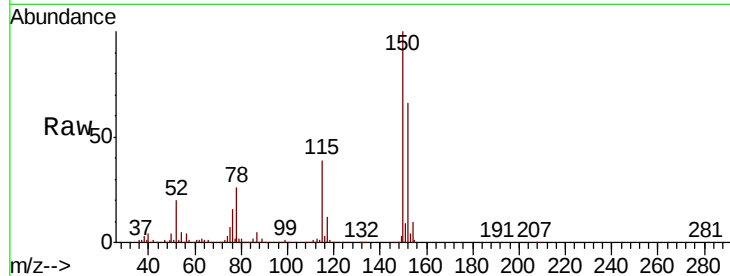
Tot Ion:152 Resp: 191402

Ion Ratio Lower Upper

152 100

115 58.9 41.3 124.1

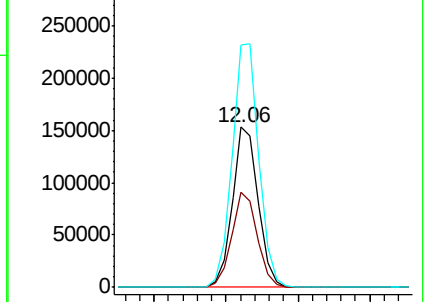
150 156.9 0.0 352.2



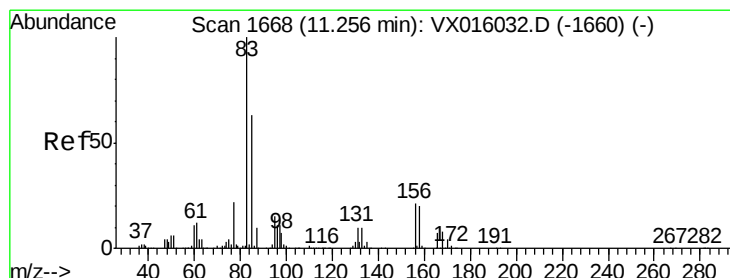
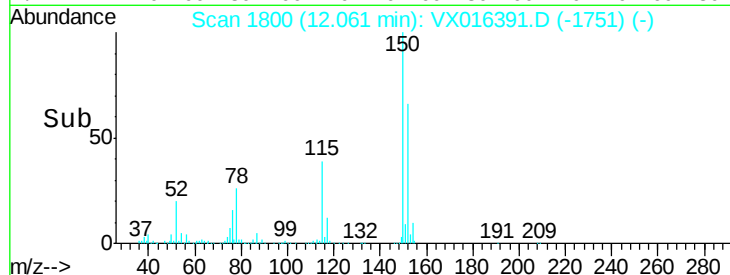
Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



Time-->



#75

1,1,2,2-Tetrachloroethane

Concen: 2.092 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.13 min

Lab File: VX016391.D

Acq: 21 May 2020 18:04

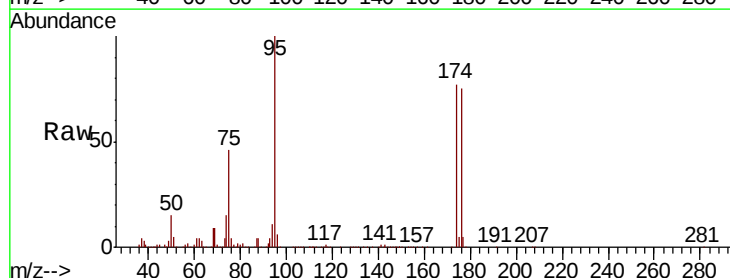
Tgt Ion: 83 Resp: 111

Ion Ratio Lower Upper

83 100

131 258.6 5.1 15.4#

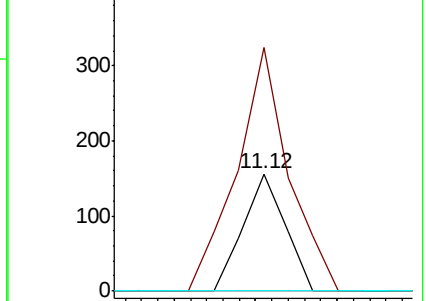
85 0.0 32.0 96.0#



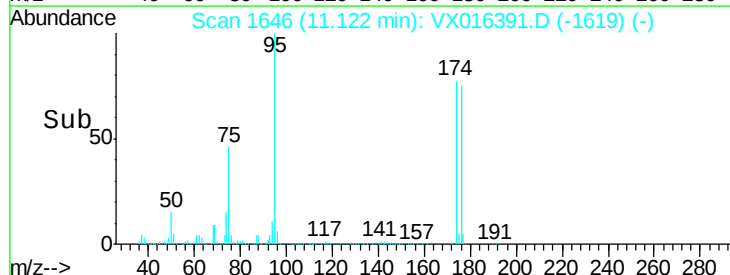
Abundance Ion 82.90 (82.60 to 83.60): VX0

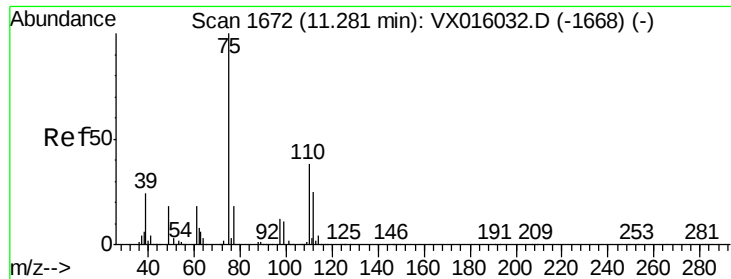
Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



Time-->





#76

1,2,3-Trichloropropane

Concen: 20.702 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016391.D

Acq: 21 May 2020 18:04

Instrument :

MSVOA_X

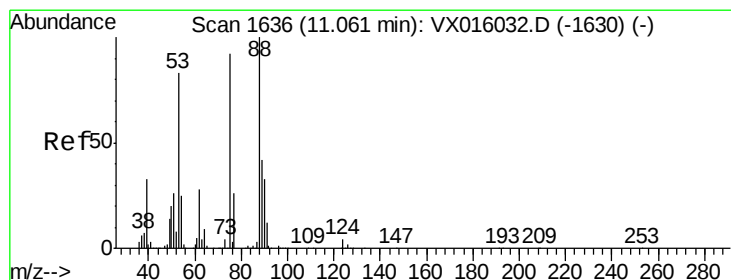
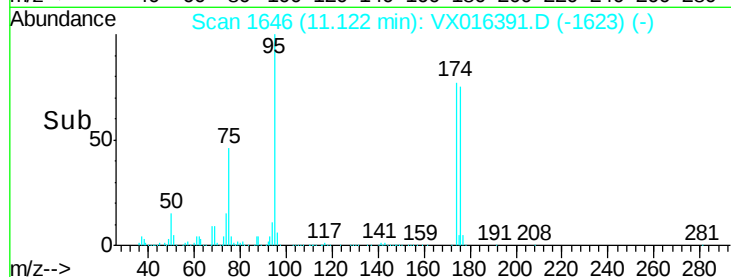
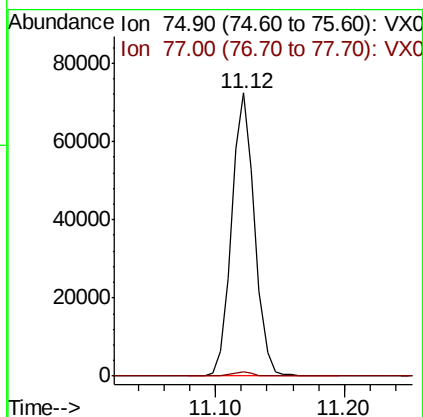
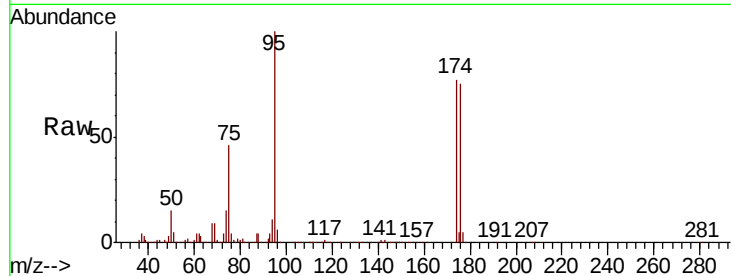
ClientSampled :

Tot Ion: 75 Resp: 89918

Ion Ratio Lower Upper

75 100

77 1.4 21.2 63.6#



#81

trans-1,4-Dichloro-2-butene

Concen: 49.335 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX016391.D

Acq: 21 May 2020 18:04

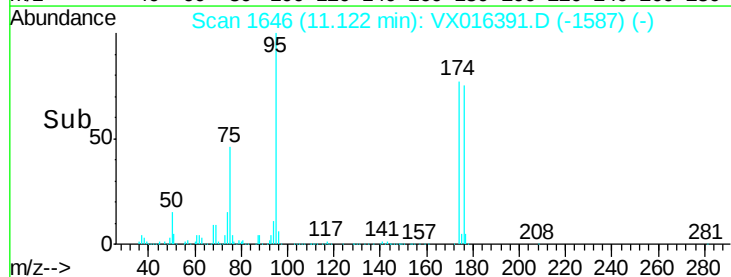
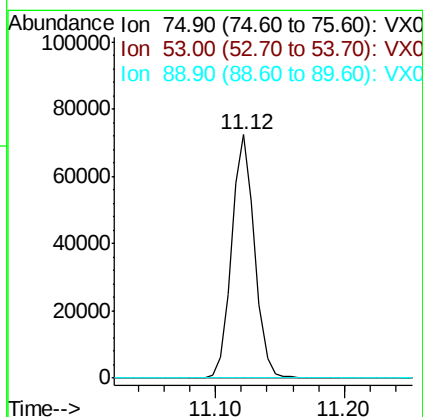
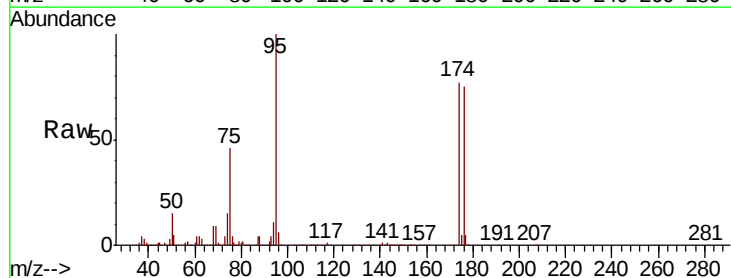
Tgt Ion: 75 Resp: 89918

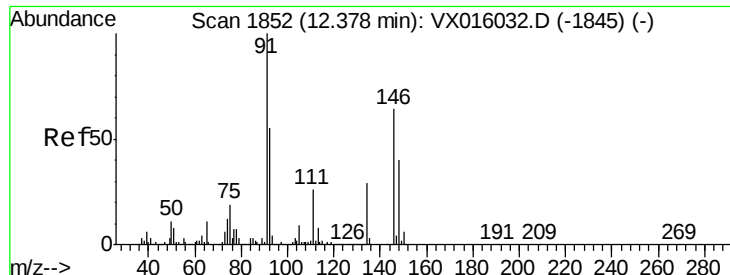
Ion Ratio Lower Upper

75 100

53 0.0 73.1 109.7#

89 0.0 36.7 55.1#





#91

1,2-Dichlorobenzene

Concen: 0.754 ug/l

RT: 12.38 min Scan# 1852

Delta R.T. -0.00 min

Lab File: VX016391.D

Acq: 21 May 2020 18:04

Instrument :

MSVOA_X

ClientSampleId :

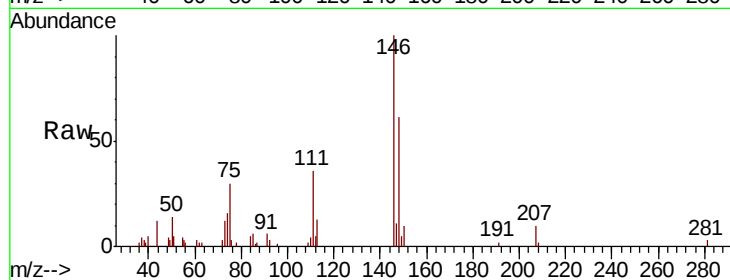
Tot Ion:146 Resp: 4684

Ion Ratio Lower Upper

146 100

111 38.4 21.1 63.1

148 63.8 32.4 97.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

