

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX052120\
 Data File : VX016390.D
 Acq On : 21 May 2020 17:42
 Operator : JC/SP
 Sample : L2730-02 10X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: May 22 09:21:42 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	228609	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	381008	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	378129	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	183603	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	133078	44.24	ug/l	0.00
Spiked Amount			Recovery	=	88.48%	
35) Dibromofluoromethane	5.47	113	111697	46.27	ug/l	0.00
Spiked Amount			Recovery	=	92.54%	
50) Toluene-d8	8.70	98	473266	50.88	ug/l	0.00
Spiked Amount			Recovery	=	101.76%	
62) 4-Bromofluorobenzene	11.12	95	186872	52.83	ug/l	0.00
Spiked Amount			Recovery	=	105.66%	

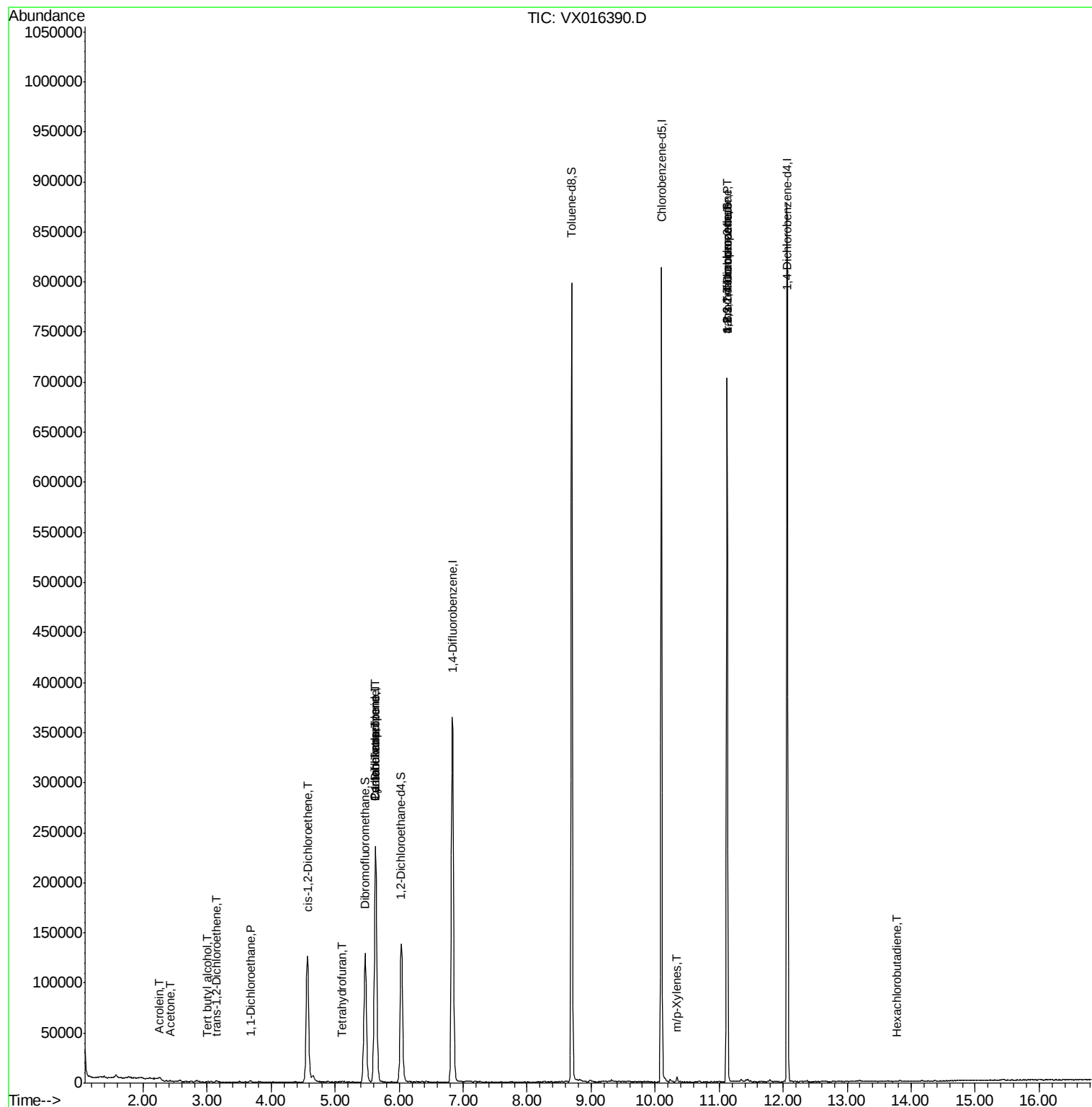
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.00	59	249	0.327	ug/l #	72
13) Acrolein	2.25	56	161	0.338	ug/l #	1
16) Acetone	2.42	43	725	0.540	ug/l	91
17) Carbon Disulfide	2.55	76	745	Below Cal	#	37
21) trans-1,2-Dichloroethene	3.14	96	573	0.216	ug/l #	68
24) 1,1-Dichloroethane	3.67	63	1551	0.337	ug/l #	95
27) cis-1,2-Dichloroethene	4.57	96	84807	29.293	ug/l	86
29) Tetrahydrofuran	5.10	42	448	0.313	ug/l #	54
31) Cyclohexane	5.63	56	4033	0.965	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	16556	4.414	ug/l #	49
38) Carbon Tetrachloride	5.63	117	21887	5.741	ug/l #	14
68) m/p-Xylenes	10.34	106	1250	0.236	ug/l	92
75) 1,1,2,2-Tetrachloroethane	11.12	83	70	2.077	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	89157	21.399	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	89157	50.996	ug/l #	13
94) Hexachlorobutadiene	13.77	225	20	0.534	ug/l #	18

(#) = 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: VX016390.D

Acq: 21 May 2020 17:42

Instrument :

MSVOA_X

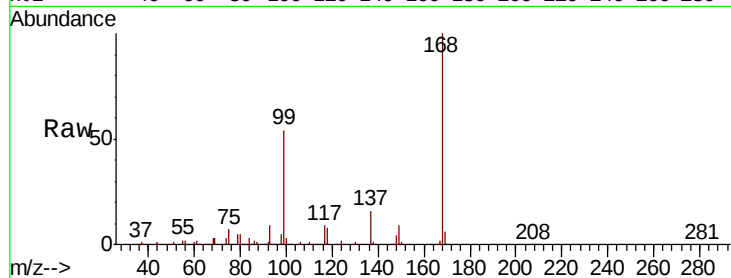
ClientSampleId :

Tot Ion:168 Resp: 228609

Ion Ratio Lower Upper

168 100

99 54.1 45.0 67.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

80000

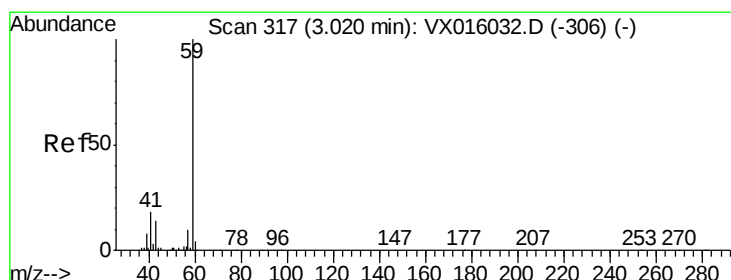
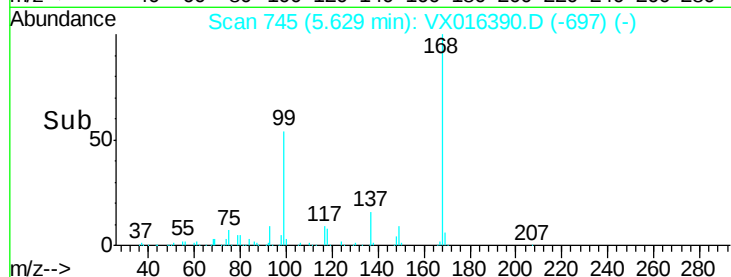
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: 0.327 ug/l

RT: 3.00 min Scan# 314

Delta R.T. -0.02 min

Lab File: VX016390.D

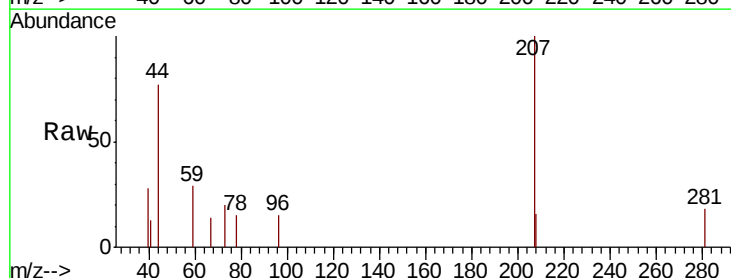
Acq: 21 May 2020 17:42

Tgt Ion: 59 Resp: 249

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

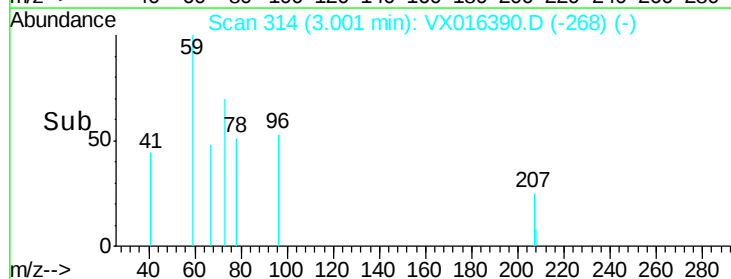
3.00

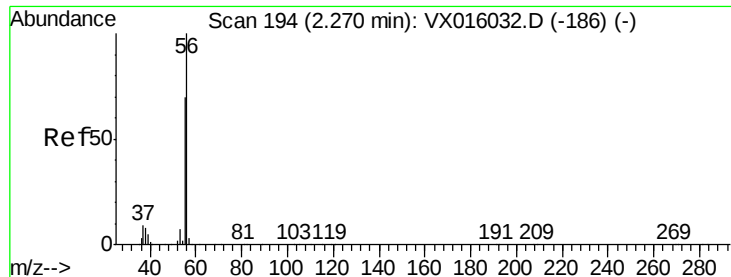
100

50

0

Time-->





#13

Acrolein

Concen: 0.338 ug/l

RT: 2.25 min Scan# 191

Delta R.T. -0.02 min

Lab File: VX016390.D

Acq: 21 May 2020 17:42

Instrument :

MSVOA_X

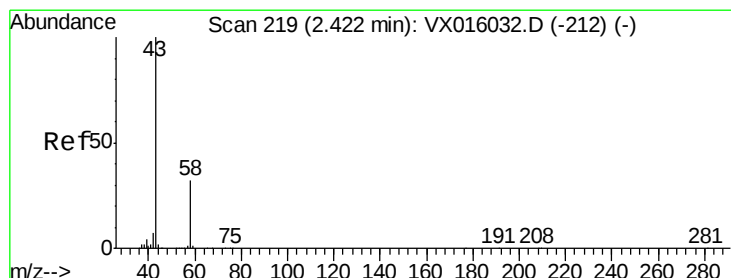
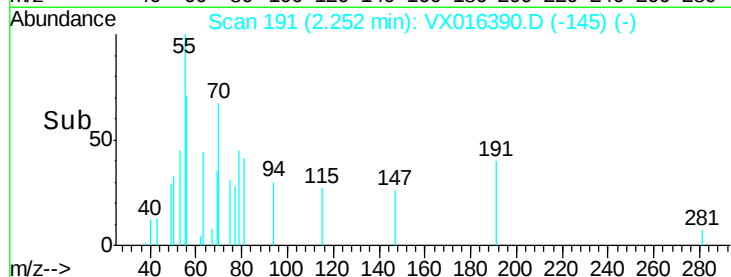
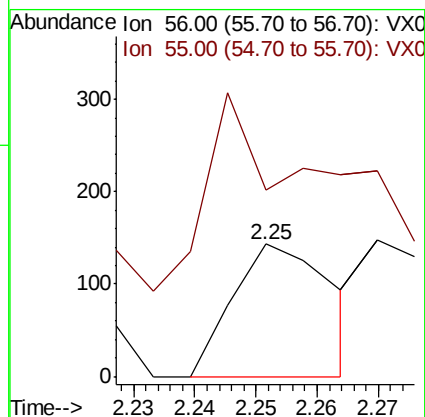
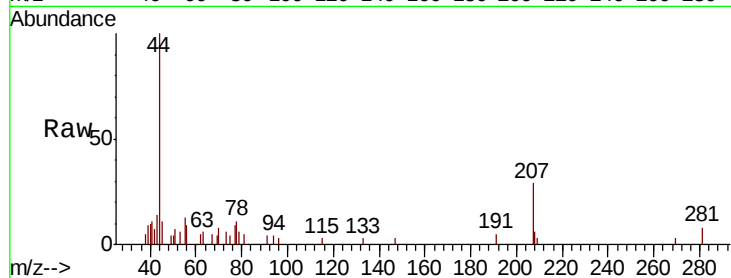
ClientSampleId :

Tot Ion: 56 Resp: 161

Ion Ratio Lower Upper

56 100

55 415.5 56.5 84.7#



#16

Acetone

Concen: 0.540 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX016390.D

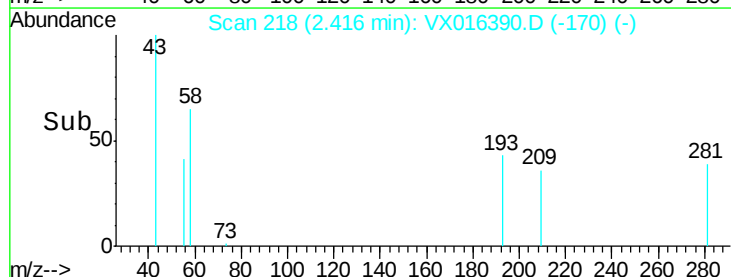
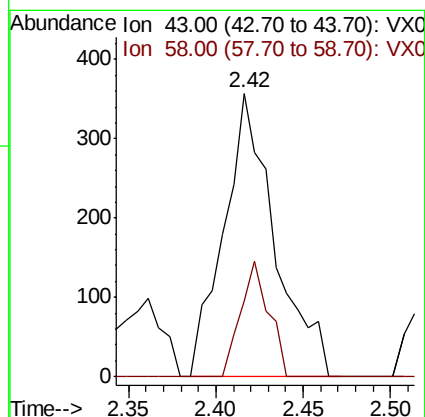
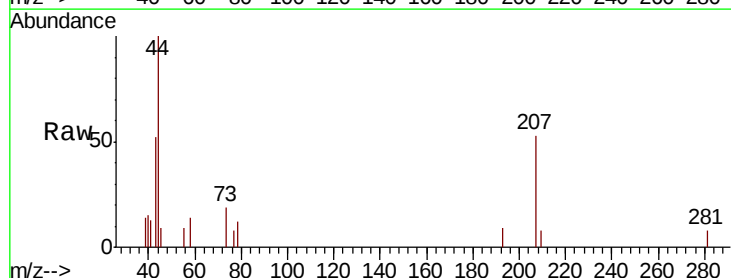
Acq: 21 May 2020 17:42

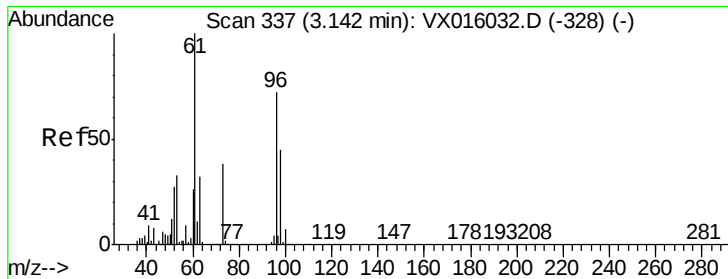
Tgt Ion: 43 Resp: 725

Ion Ratio Lower Upper

43 100

58 26.9 25.4 38.0





#21

trans-1,2-Dichloroethene

Concen: 0.216 ug/l

RT: 3.14 min Scan# 337

Delta R.T. -0.00 min

Lab File: VX016390.D

Acq: 21 May 2020 17:42

Instrument :
MSVOA_X
ClientSampled :

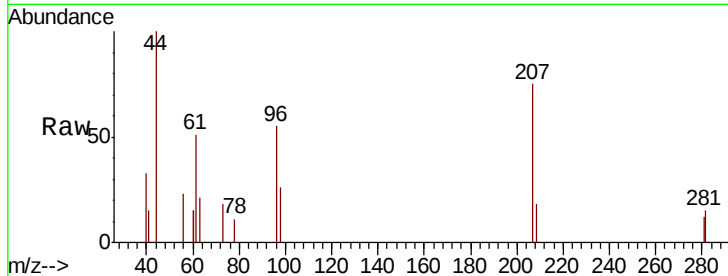
Tot Ion: 96 Resp: 573

Ion Ratio Lower Upper

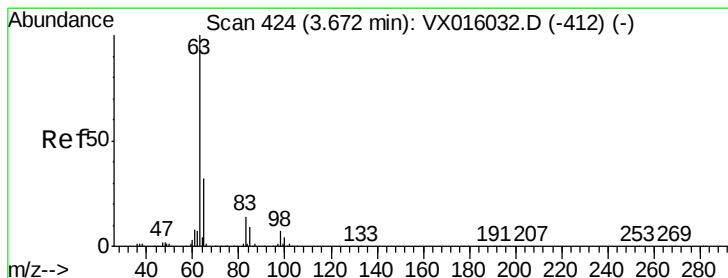
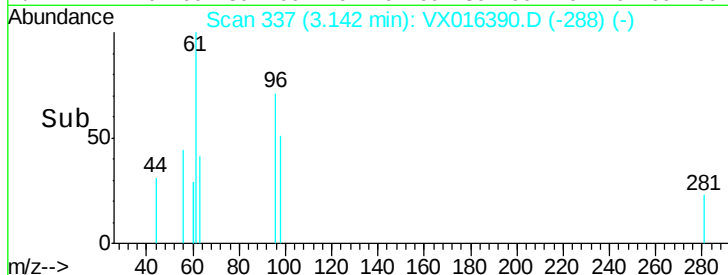
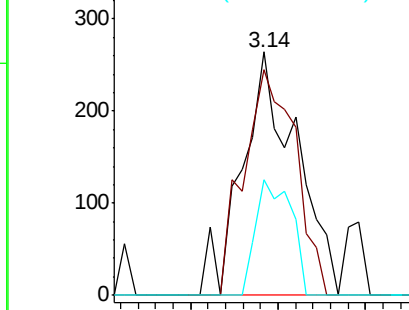
96 100

61 92.8 111.2 166.8#

98 47.3 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



#24

1,1-Dichloroethane

Concen: 0.337 ug/l

RT: 3.67 min Scan# 423

Delta R.T. -0.01 min

Lab File: VX016390.D

Acq: 21 May 2020 17:42

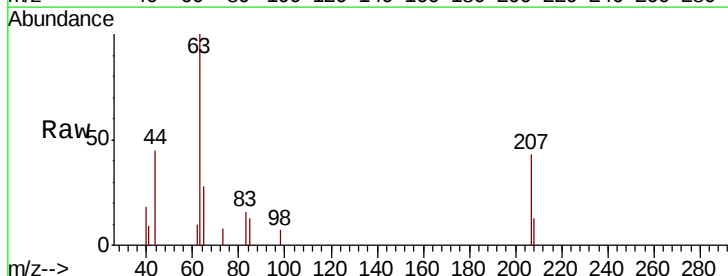
Tgt Ion: 63 Resp: 1551

Ion Ratio Lower Upper

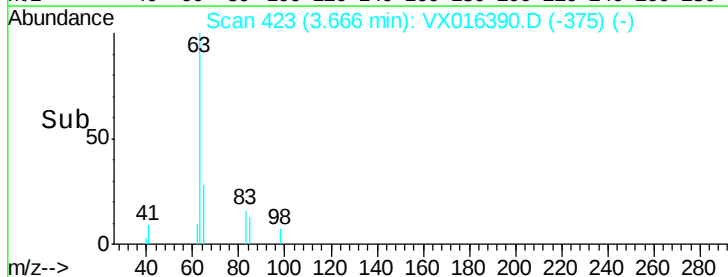
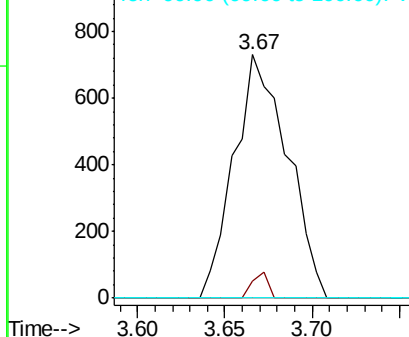
63 100

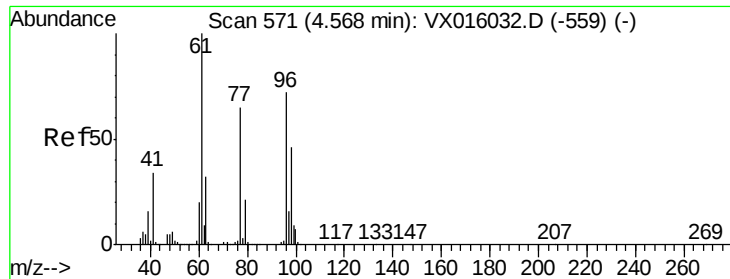
98 7.0 3.5 10.5

100 0.0 2.1 6.5#



Abundance Ion 62.90 (62.60 to 63.60): VX0
Ion 97.90 (97.60 to 98.60): VX0
Ion 99.90 (99.60 to 100.60): VX0



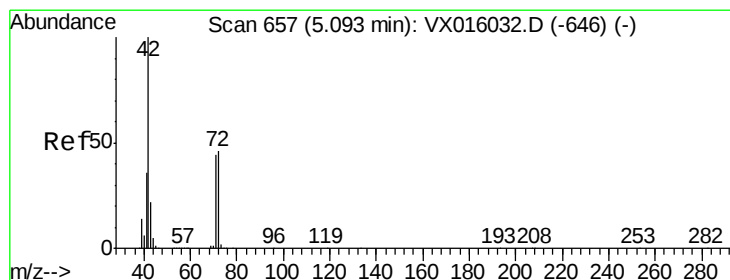
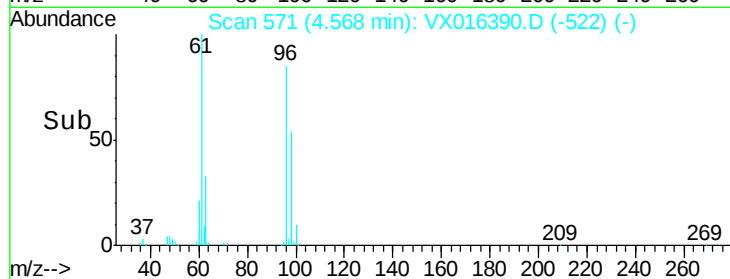
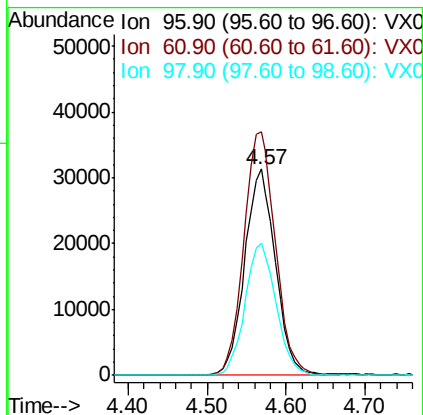
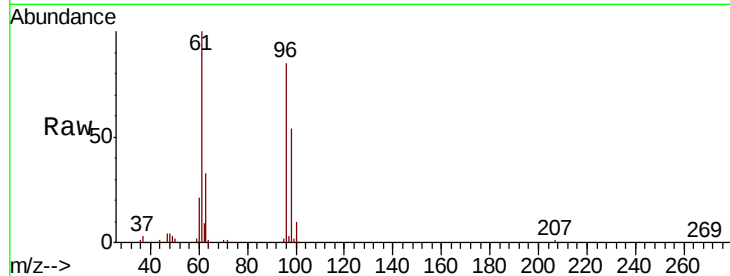


#27

cis-1,2-Dichloroethene
 Concen: 29.293 ug/l
 RT: 4.57 min Scan# 571
 Delta R.T. -0.00 min
 Lab File: VX016390.D
 Acq: 21 May 2020 17:42

Instrument :
 MSVOA_X
 ClientSampleId :

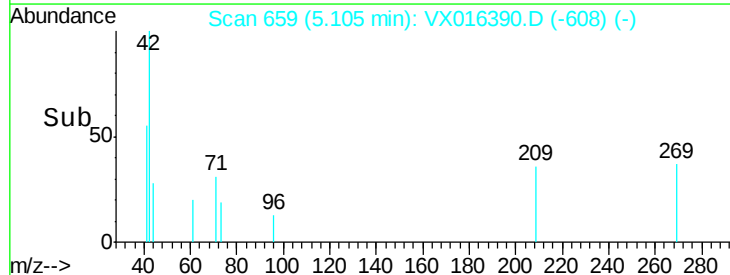
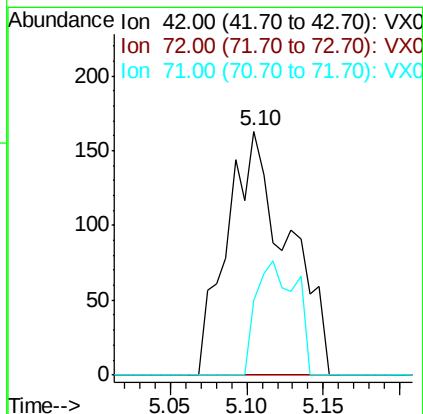
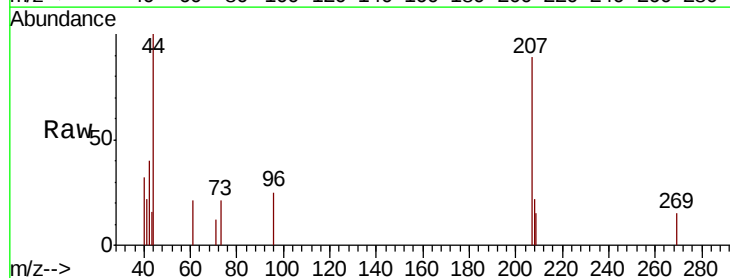
Tot Ion	Ratio	Lower	Upper
96	100		
61	122.0	0.0	296.2
98	64.7	0.0	129.4

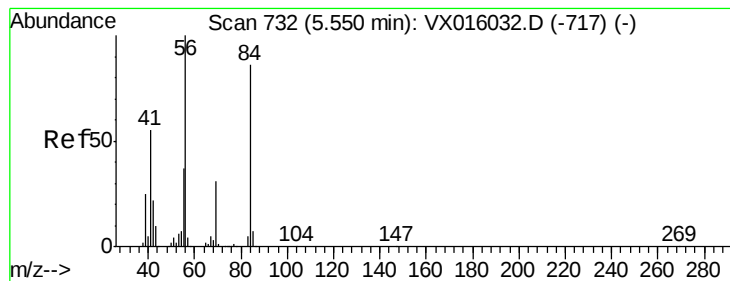


#29

Tetrahydrofuran
 Concen: 0.313 ug/l
 RT: 5.10 min Scan# 659
 Delta R.T. 0.01 min
 Lab File: VX016390.D
 Acq: 21 May 2020 17:42

Tgt Ion	Ratio	Lower	Upper
42	100		
72	0.0	37.1	55.7#
71	30.6	34.5	51.7#





#31

Cyclohexane

Concen: 0.965 ug/l

RT: 5.63 min Scan# 745

Delta R.T. 0.08 min

Lab File: VX016390.D

Acq: 21 May 2020 17:42

Instrument :

MSVOA_X

ClientSampleId :

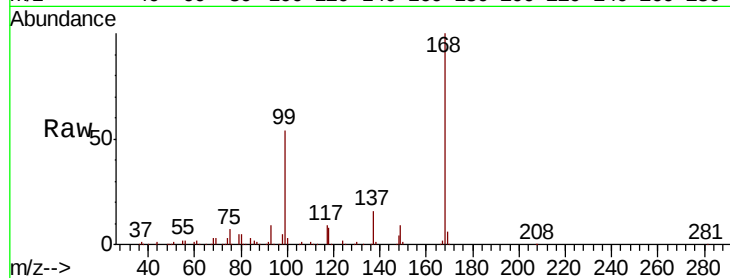
Tot Ion: 56 Resp: 4033

Ion Ratio Lower Upper

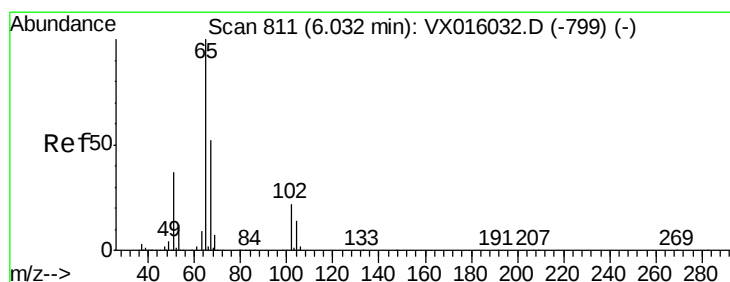
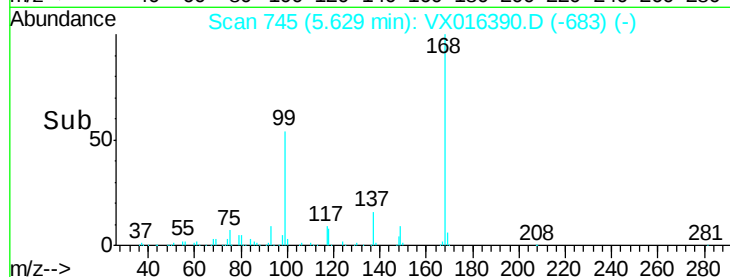
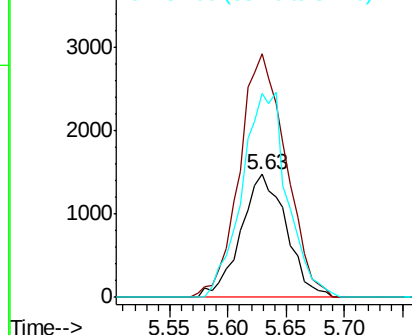
56 100

69 197.9 25.0 37.6#

84 166.1 69.0 103.6#



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: 44.238 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX016390.D

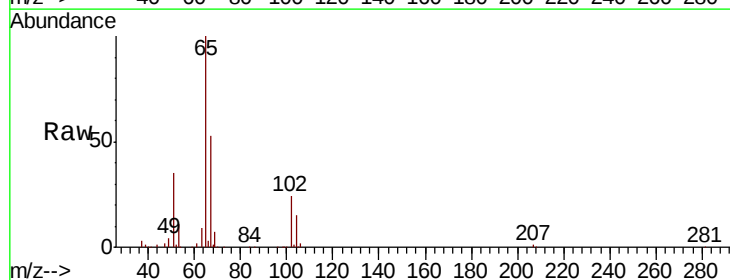
Acq: 21 May 2020 17:42

Tgt Ion: 65 Resp: 133078

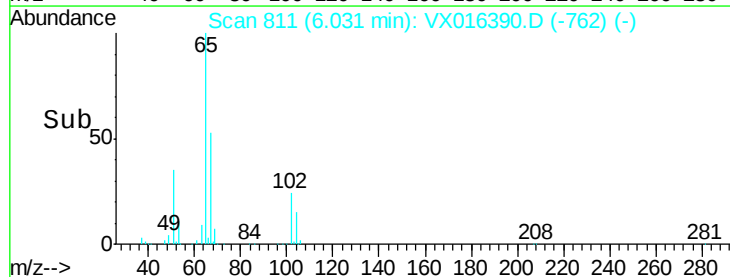
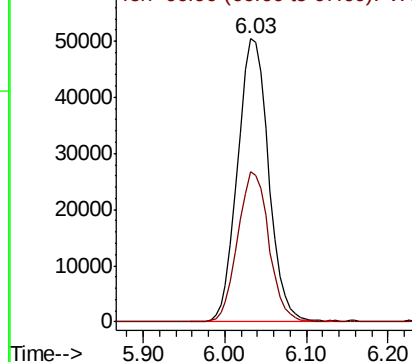
Ion Ratio Lower Upper

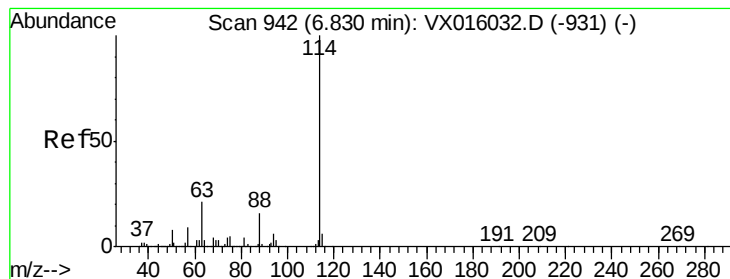
65 100

67 53.1 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: 6.83 min Scan# 942

Delta R.T. -0.00 min

Lab File: VX016390.D

Acq: 21 May 2020 17:42

Instrument :

MSVOA_X

ClientSampleId :

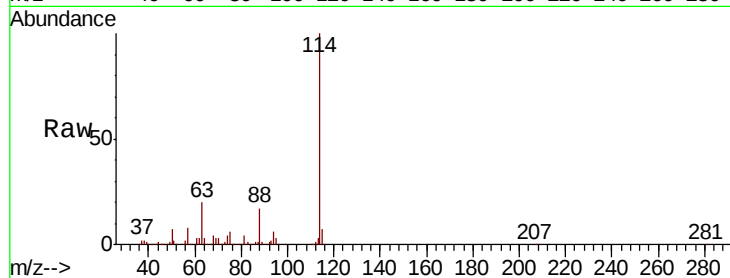
Tot Ion:114 Resp: 381008

Ion Ratio Lower Upper

114 100

63 20.3 0.0 42.8

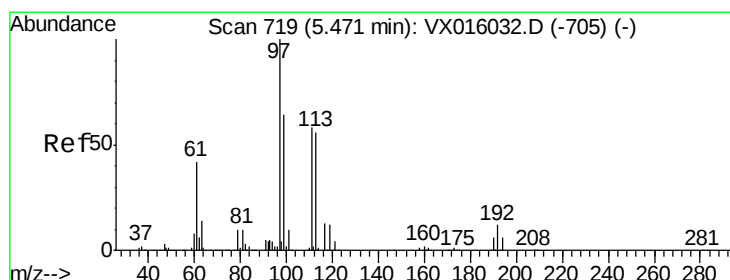
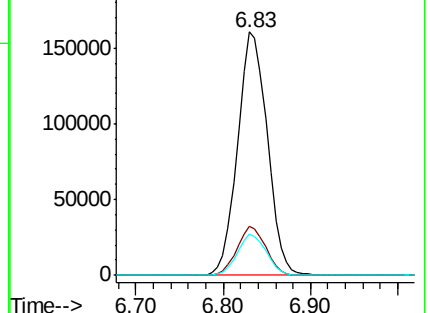
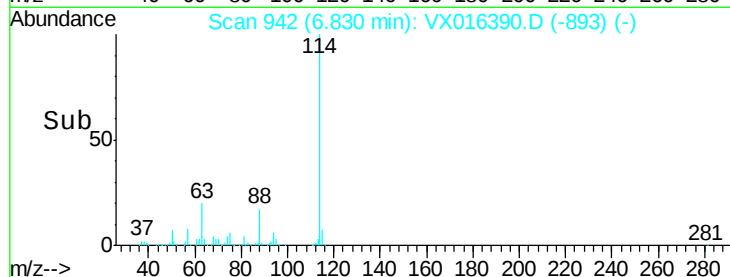
88 16.8 0.0 31.4



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: 46.273 ug/l

RT: 5.47 min Scan# 719

Delta R.T. -0.00 min

Lab File: VX016390.D

Acq: 21 May 2020 17:42

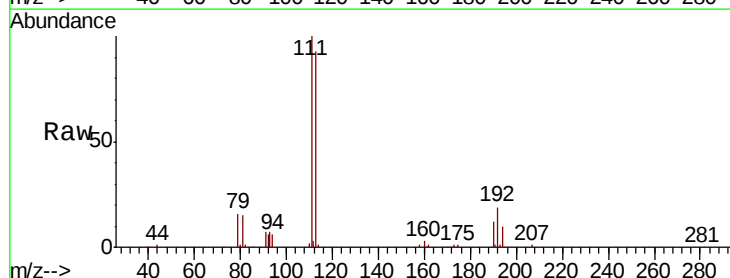
Tgt Ion:113 Resp: 111697

Ion Ratio Lower Upper

113 100

111 102.9 81.6 122.4

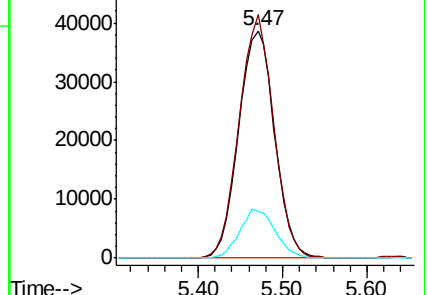
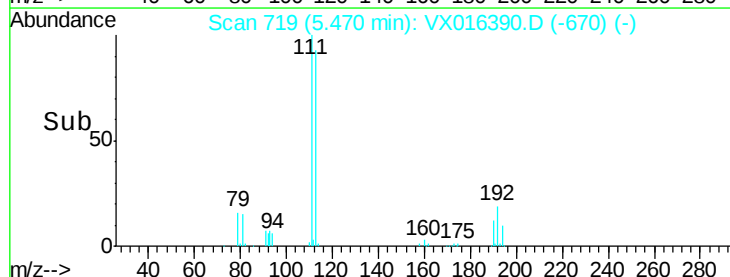
192 21.3 17.0 25.4

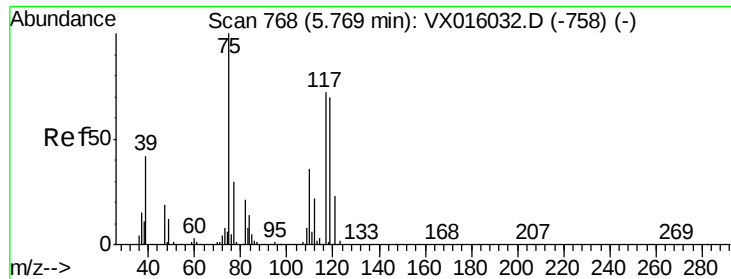


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.414 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX016390.D

Acq: 21 May 2020 17:42

Instrument :

MSVOA_X

ClientSampleId :

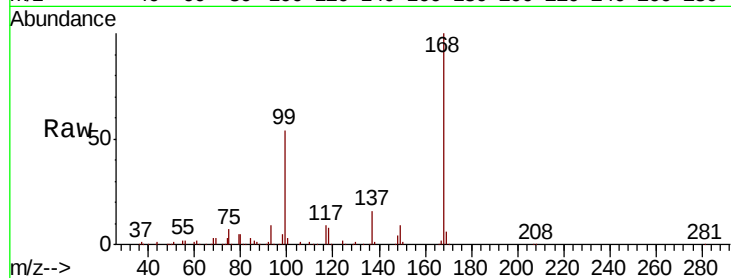
Tot Ion: 75 Resp: 16556

Ion Ratio Lower Upper

75 100

110 9.2 18.1 54.1#

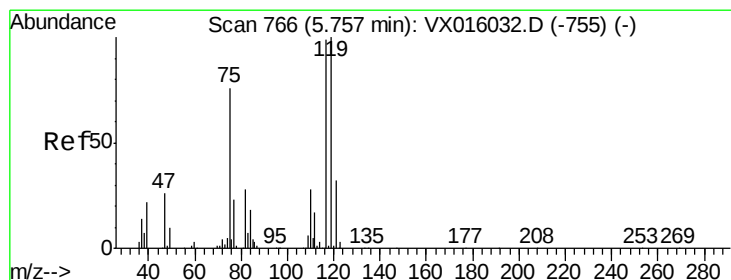
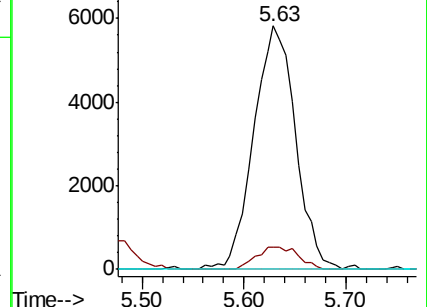
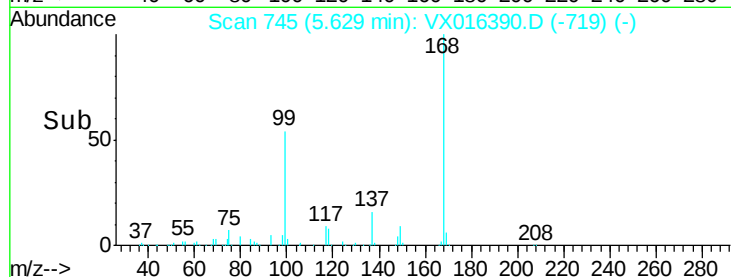
77 0.0 25.0 37.6#



Abundance Ion 74.90 (74.60 to 75.60): VX016390.D (-719) (-)

Ion 109.90 (109.60 to 110.60): VX016390.D (-719) (-)

Ion 76.90 (76.60 to 77.60): VX016390.D (-719) (-)



#38

Carbon Tetrachloride

Concen: 5.741 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.13 min

Lab File: VX016390.D

Acq: 21 May 2020 17:42

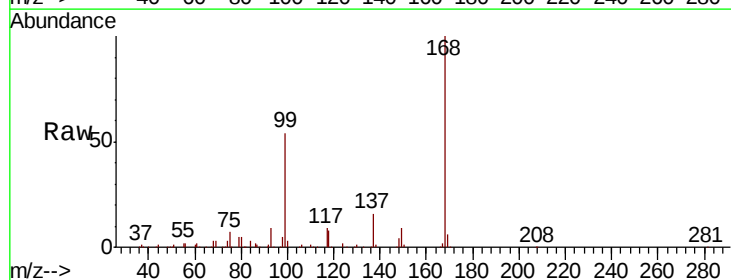
Tgt Ion: 117 Resp: 21887

Ion Ratio Lower Upper

117 100

119 4.7 80.3 120.5#

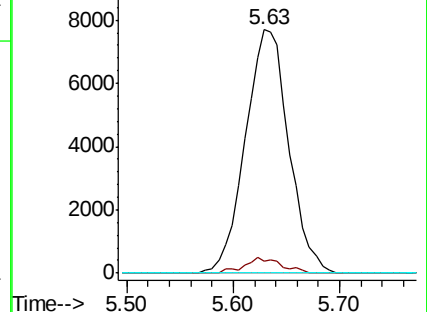
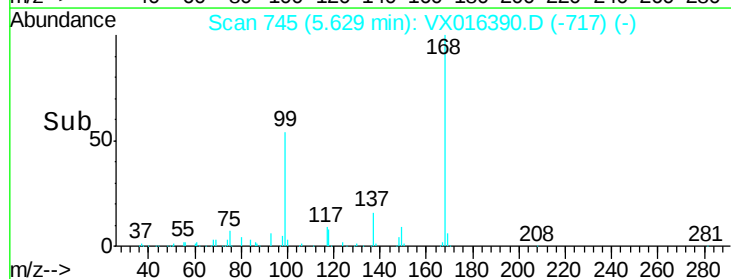
121 0.0 25.7 38.5#

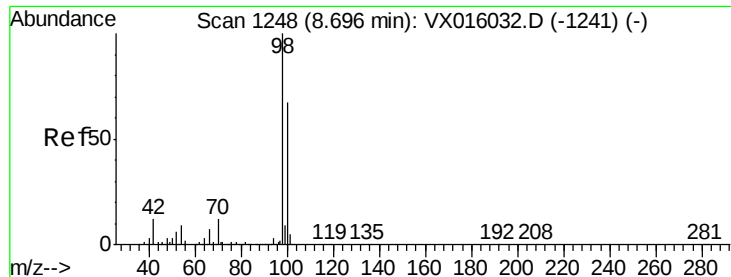


Abundance Ion 116.80 (116.50 to 117.50): VX016390.D (-717) (-)

Ion 118.80 (118.50 to 119.50): VX016390.D (-717) (-)

Ion 120.80 (120.50 to 121.50): VX016390.D (-717) (-)





#50

Toluene-d8

Concen: 50.885 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX016390.D

Acq: 21 May 2020 17:42

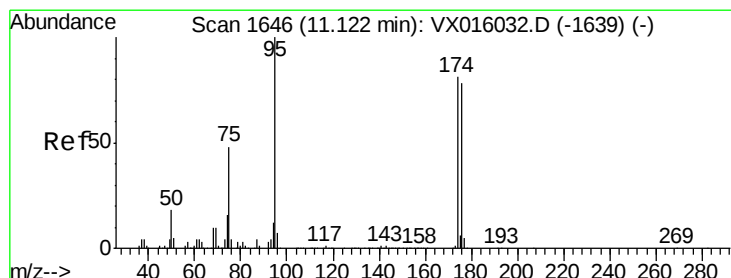
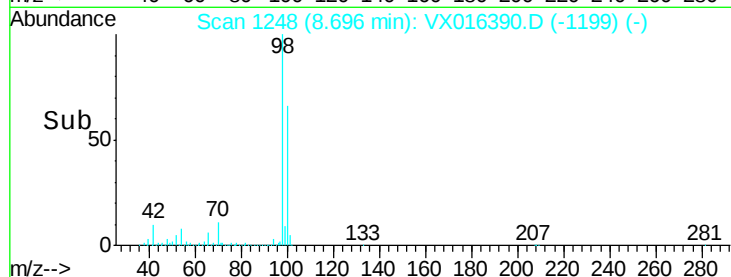
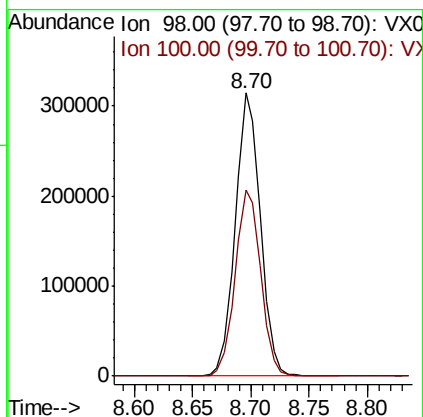
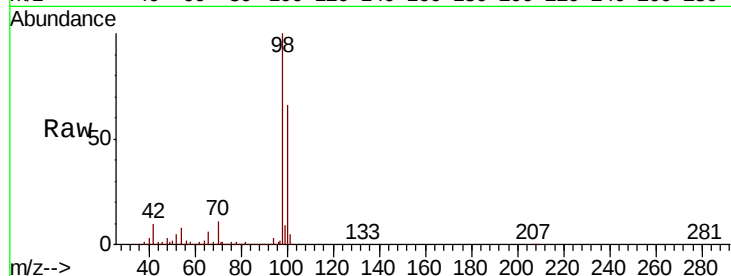
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 98 Resp: 473266

Ion Ratio Lower Upper

98 100

100 67.1 53.7 80.5



#62

4-Bromofluorobenzene

Concen: 52.825 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016390.D

Acq: 21 May 2020 17:42

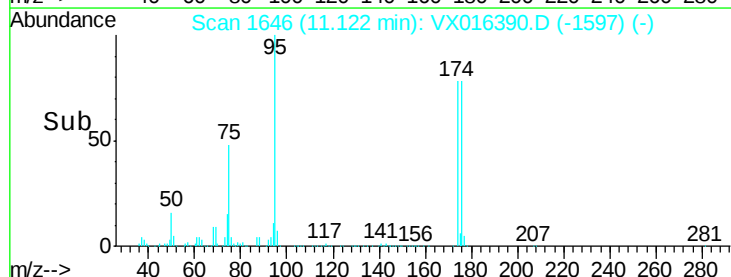
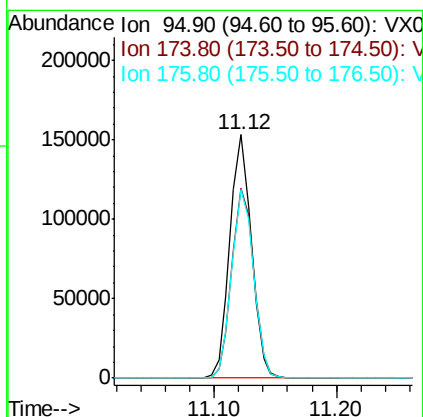
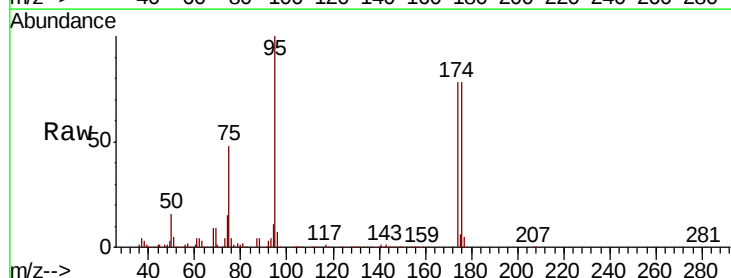
Tgt Ion: 95 Resp: 186872

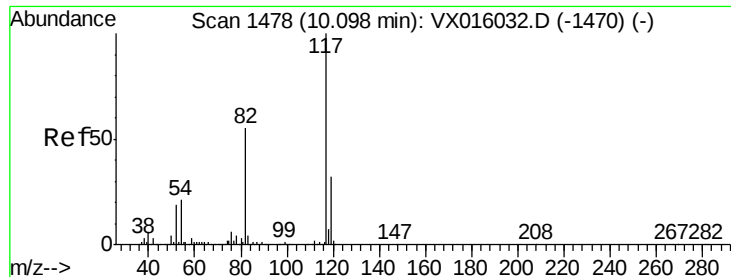
Ion Ratio Lower Upper

95 100

174 79.5 0.0 159.4

176 78.9 0.0 157.6

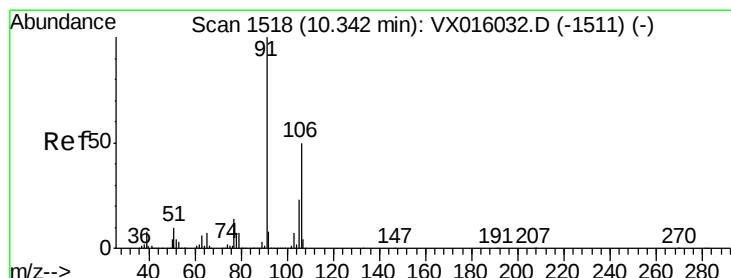
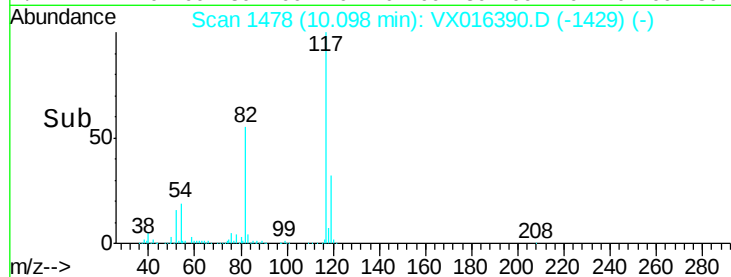
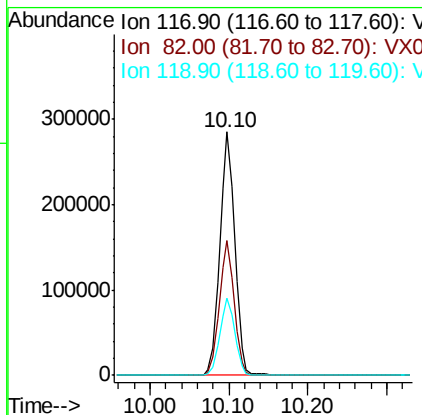
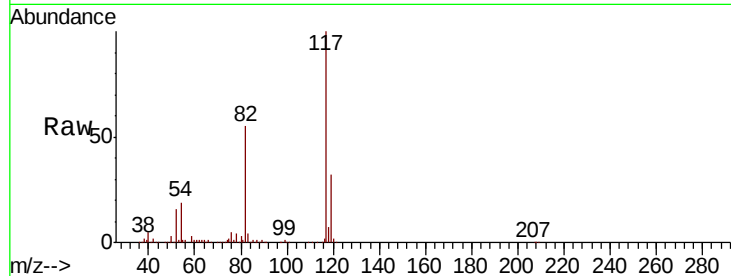




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX016390.D
Acq: 21 May 2020 17:42

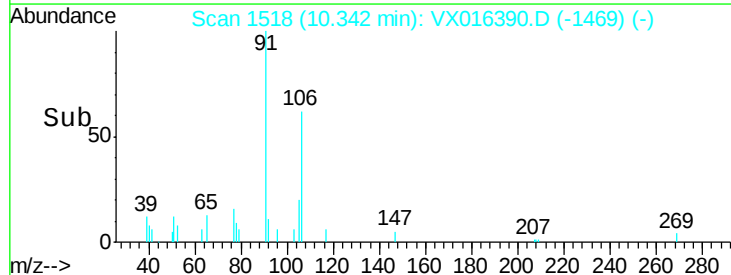
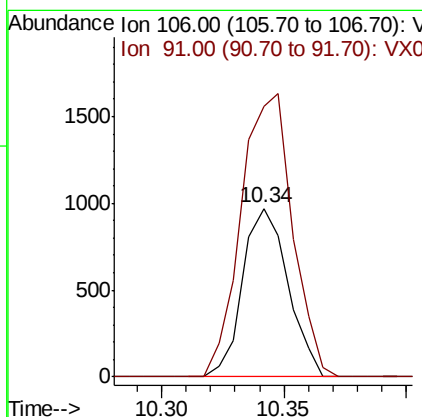
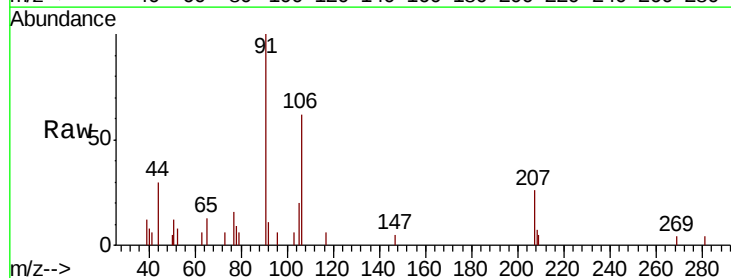
Instrument :
MSVOA_X
ClientSampled :

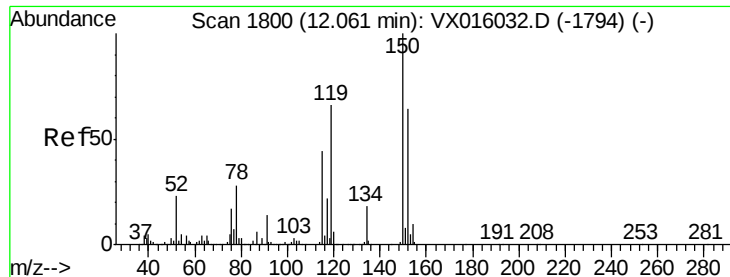
Tot Ion	Ratio	Lower	Upper
117	100		
82	55.4	44.4	66.6
119	31.6	25.5	38.3



#68
m/p-Xylenes
Concen: 0.236 ug/l
RT: 10.34 min Scan# 1518
Delta R.T. -0.00 min
Lab File: VX016390.D
Acq: 21 May 2020 17:42

Tgt Ion	Ratio	Lower	Upper
106	100		
91	190.5	161.7	242.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1801

Delta R.T. 0.01 min

Lab File: VX016390.D

Acq: 21 May 2020 17:42

Instrument :

MSVOA_X

ClientSampleId :

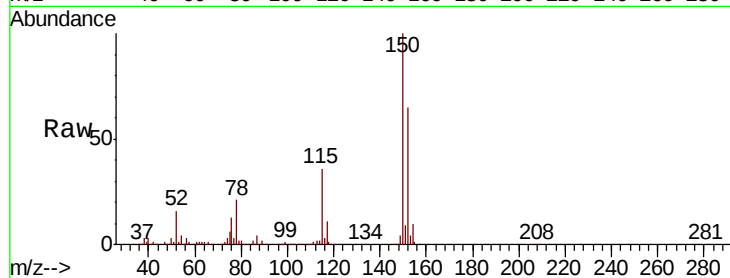
Tot Ion:152 Resp: 183603

Ion Ratio Lower Upper

152 100

115 59.8 41.3 124.1

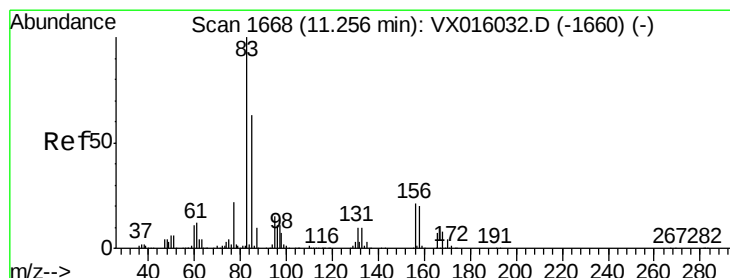
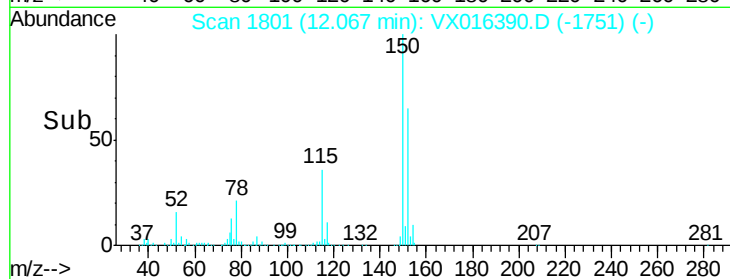
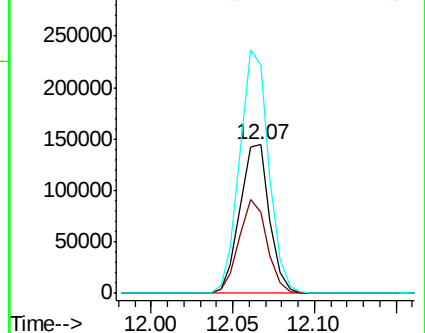
150 160.1 0.0 352.2



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



#75

1,1,2,2-Tetrachloroethane

Concen: 2.077 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.13 min

Lab File: VX016390.D

Acq: 21 May 2020 17:42

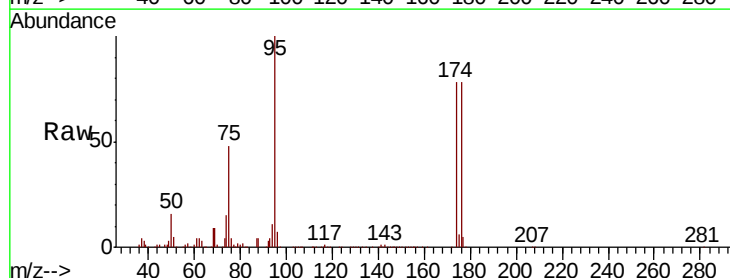
Tgt Ion: 83 Resp: 70

Ion Ratio Lower Upper

83 100

131 394.3 5.1 15.4#

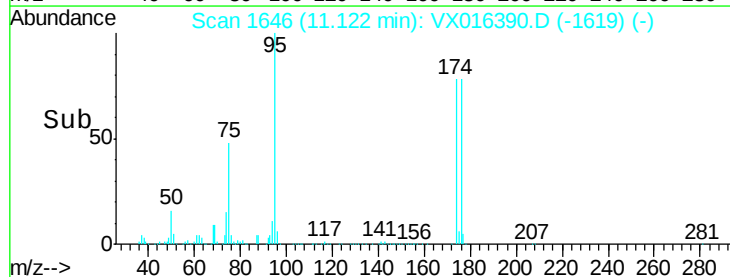
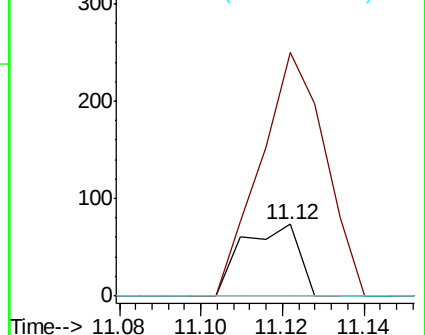
85 0.0 32.0 96.0#

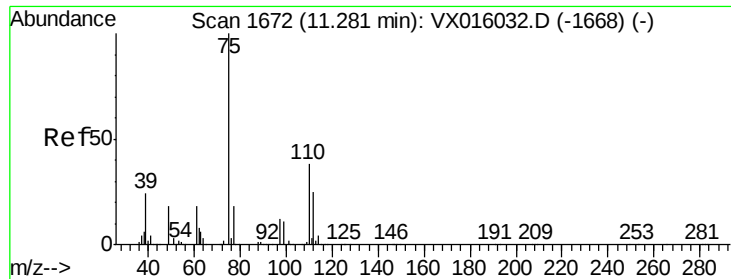


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0

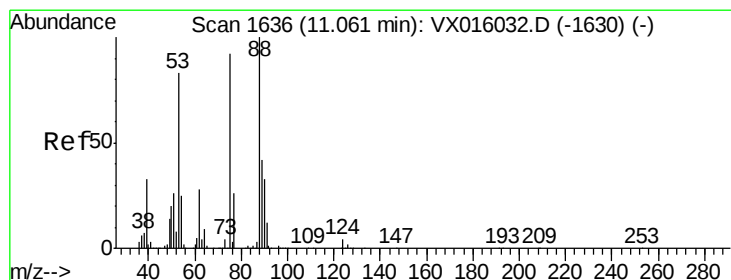
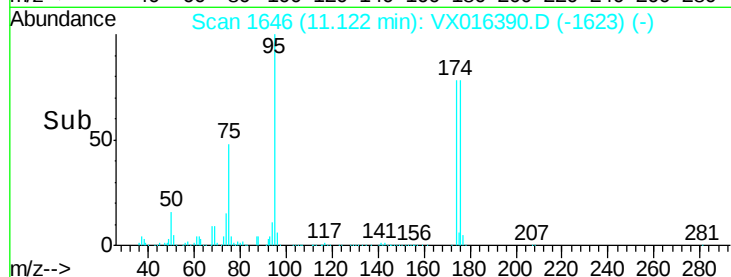
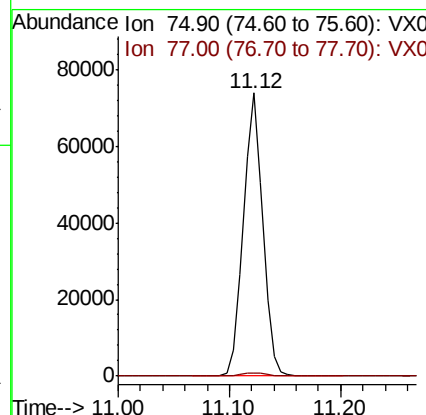
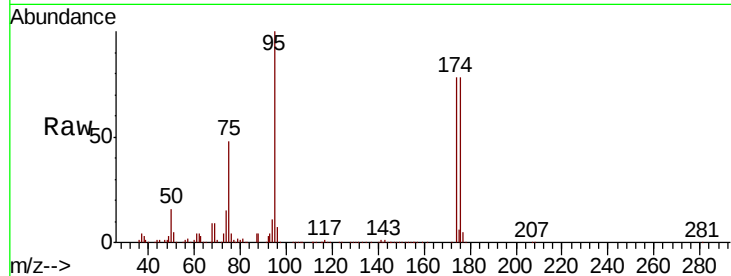




#76
 1,2,3-Trichloropropane
 Concen: 21.399 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. -0.16 min
 Lab File: VX016390.D
 Acq: 21 May 2020 17:42

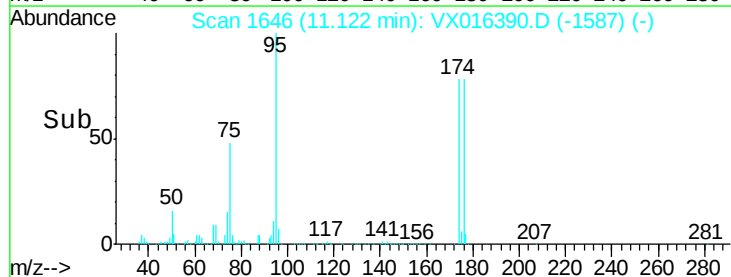
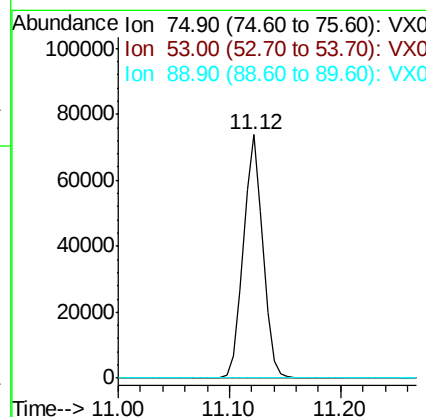
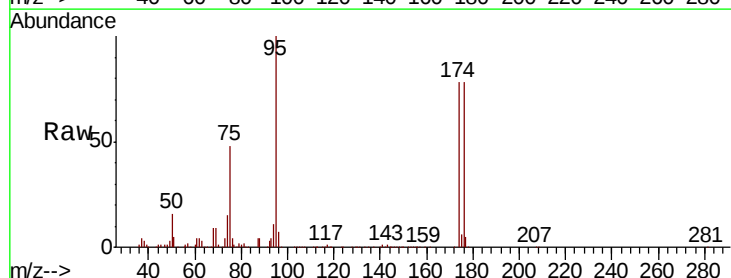
Instrument :
 MSVOA_X
 ClientSampled :

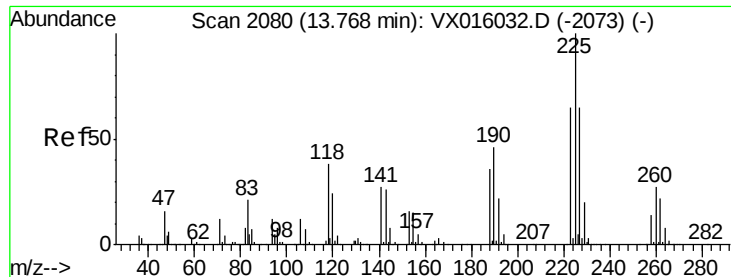
Tot Ion: 75 Resp: 89157
 Ion Ratio Lower Upper
 75 100
 77 1.4 21.2 63.6#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 50.996 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. 0.06 min
 Lab File: VX016390.D
 Acq: 21 May 2020 17:42

Tgt Ion: 75 Resp: 89157
 Ion Ratio Lower Upper
 75 100
 53 0.0 73.1 109.7#
 89 0.0 36.7 55.1#

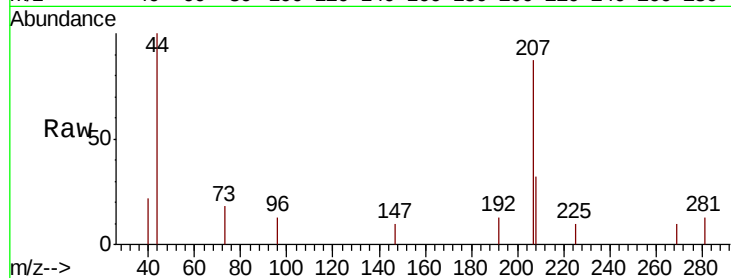




#94
 Hexachlorobutadiene
 Concen: 0.534 ug/l
 RT: 13.77 min Scan# 2080
 Delta R.T. 0.00 min
 Lab File: VX016390.D
 Acq: 21 May 2020 17:42

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
225	100		
223	0.0	32.3	96.9#
227	0.0	31.8	95.4#



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

