

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX051520\
 Data File : VX016283.D
 Acq On : 15 May 2020 16:11
 Operator : JC/SP
 Sample : L2649-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: May 16 06:44:45 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	238537	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	398910	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	397865	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	208764	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	145170	46.25	ug/l	0.00
Spiked Amount			Recovery	=	92.50%	
35) Dibromofluoromethane	5.47	113	116808	46.22	ug/l	0.00
Spiked Amount			Recovery	=	92.44%	
50) Toluene-d8	8.70	98	499163	51.26	ug/l	0.00
Spiked Amount			Recovery	=	102.52%	
62) 4-Bromofluorobenzene	11.12	95	201304	54.35	ug/l	0.00
Spiked Amount			Recovery	=	108.70%	

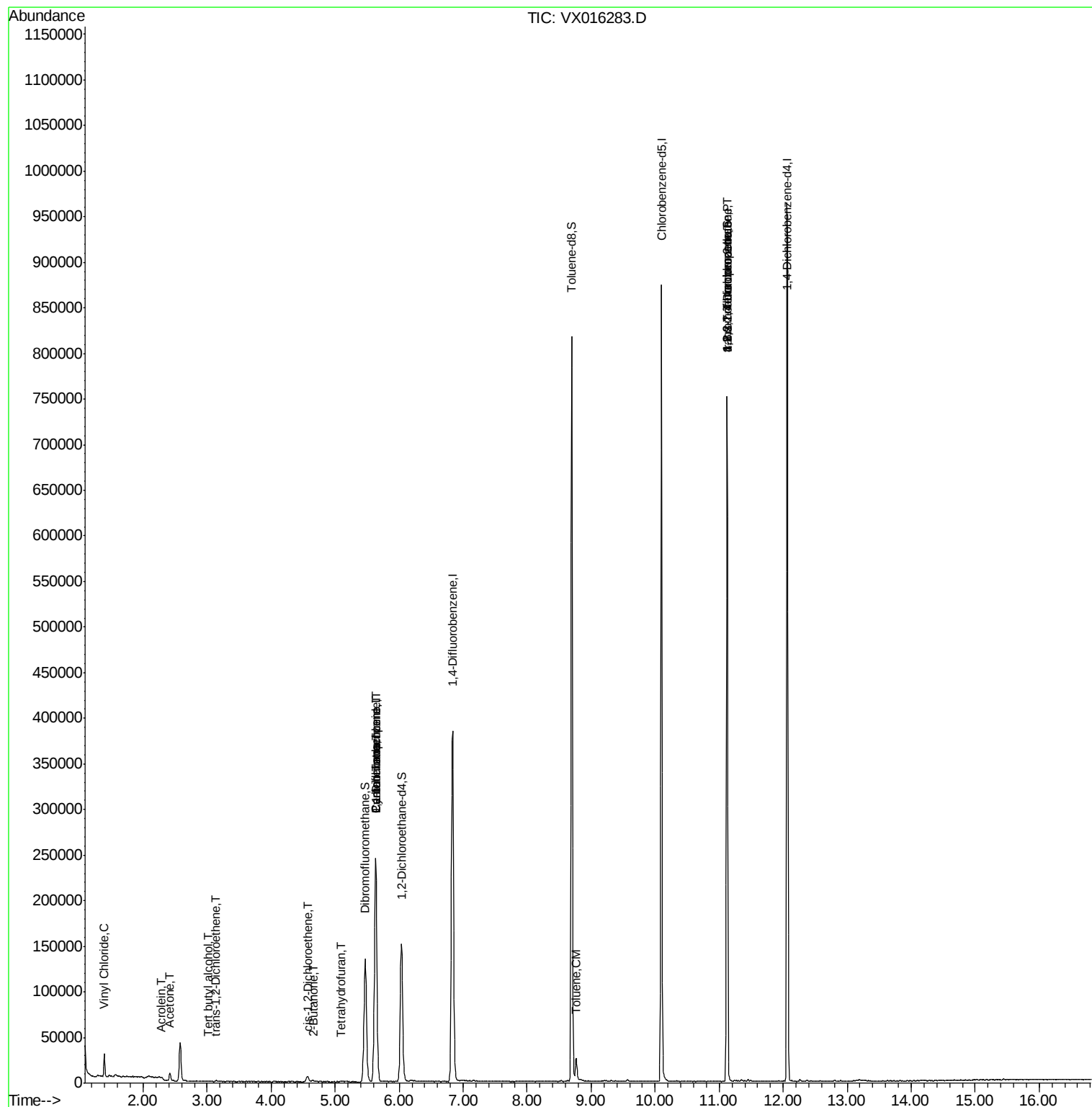
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.39	62	14470	4.625	ug/l	98
11) Tert butyl alcohol	3.01	59	262	0.330	ug/l #	92
13) Acrolein	2.28	56	247	0.497	ug/l #	1
16) Acetone	2.42	43	8930	6.376	ug/l	99
17) Carbon Disulfide	2.55	76	1244	Below Cal		99
21) trans-1,2-Dichloroethene	3.14	96	561	0.203	ug/l #	67
25) 2-Butanone	4.67	43	1002	0.444	ug/l #	48
27) cis-1,2-Dichloroethene	4.57	96	4372	1.447	ug/l	79
29) Tetrahydrofuran	5.10	42	355	0.237	ug/l #	31
31) Cyclohexane	5.63	56	4324	0.992	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	17374	4.425	ug/l #	49
38) Carbon Tetrachloride	5.63	117	23305	5.839	ug/l #	14
52) Toluene	8.77	92	8500	1.187	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.12	83	132	2.096	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	98034	20.694	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	98034	49.315	ug/l #	13

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

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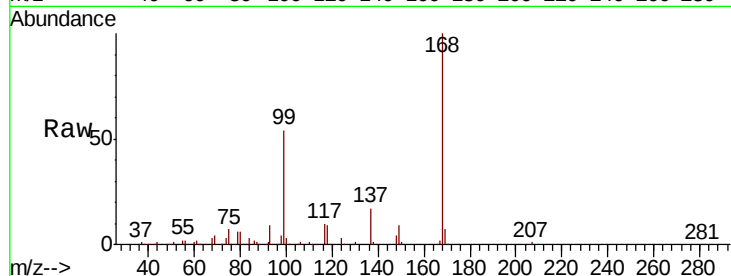




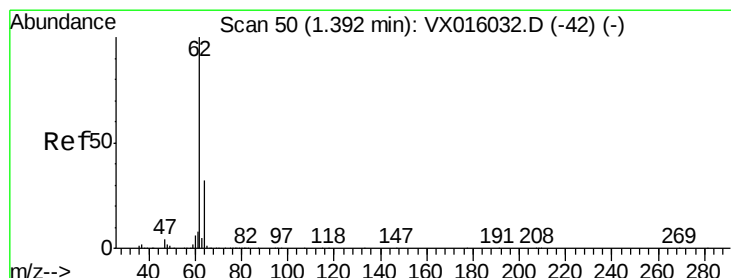
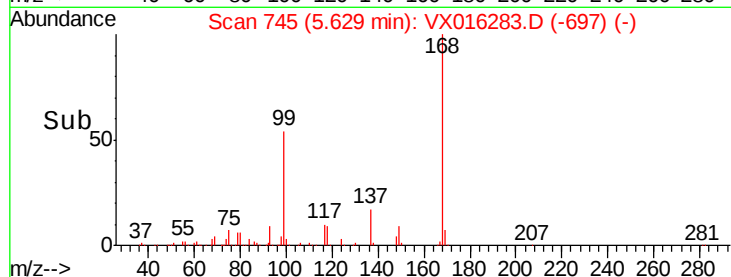
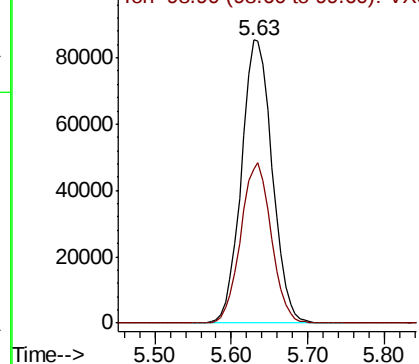
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.63 min Scan# 745
Delta R.T. -0.01 min
Lab File: VX016283.D
Acq: 15 May 2020 16:11

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 238537
Ion Ratio Lower Upper
168 100
99 54.4 45.0 67.4

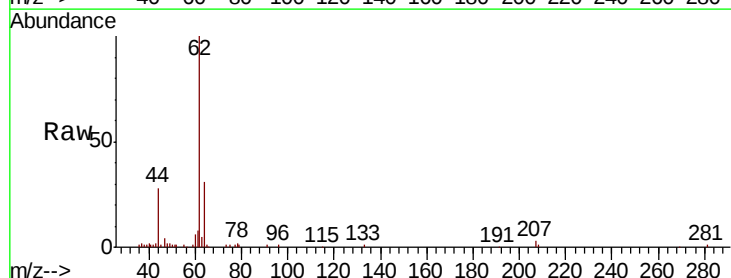


Abundance Ion 167.90 (167.60 to 168.60): V
Ion 98.90 (98.60 to 99.60): VX0

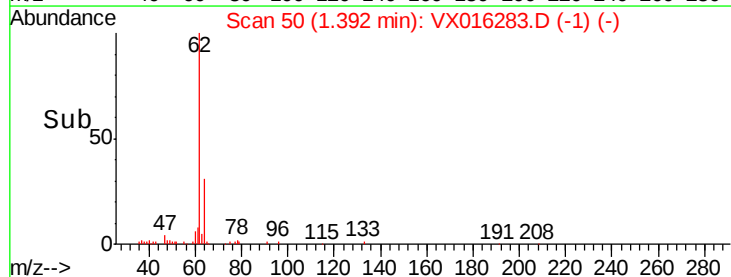
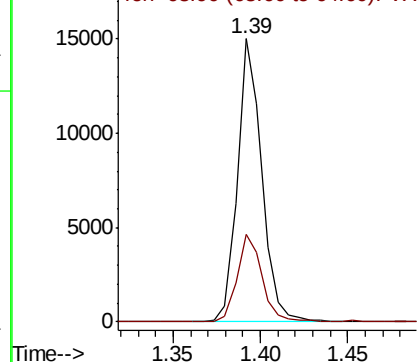


#4
Vinyl Chloride
Concen: 4.625 ug/l
RT: 1.39 min Scan# 50
Delta R.T. -0.00 min
Lab File: VX016283.D
Acq: 15 May 2020 16:11

Tgt Ion: 62 Resp: 14470
Ion Ratio Lower Upper
62 100
64 30.8 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VX0
Ion 63.90 (63.60 to 64.60): VX0



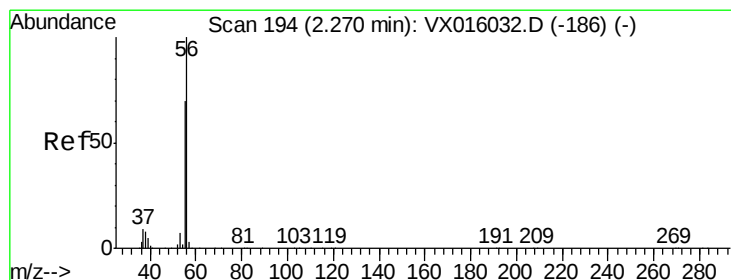
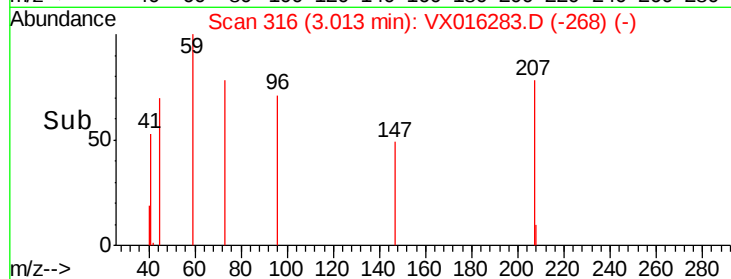
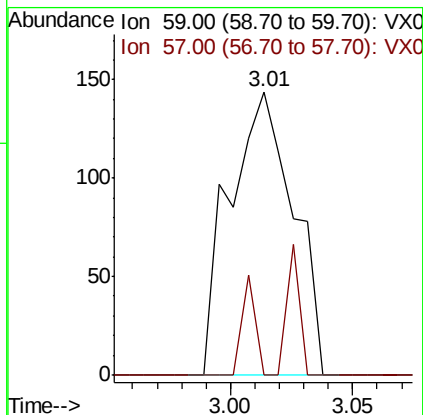
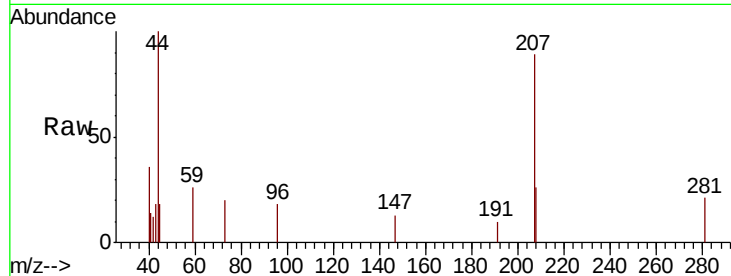


#11

Tert butyl alcohol
 Concen: 0.330 ug/l
 RT: 3.01 min Scan# 316
 Delta R.T. -0.01 min
 Lab File: VX016283.D
 Acq: 15 May 2020 16:11

Instrument :
 MSVOA_X
 ClientSampleId :

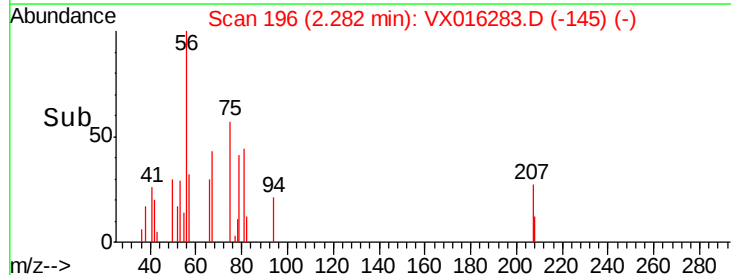
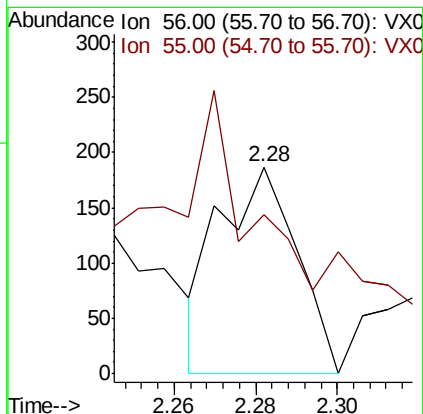
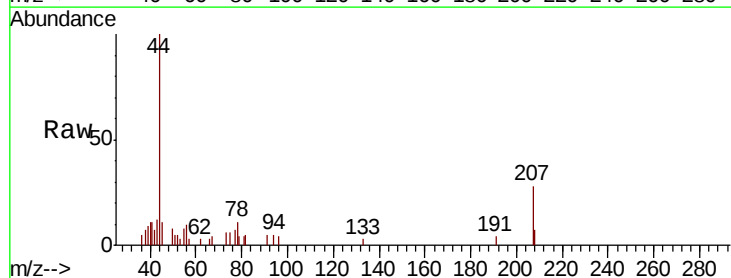
Tot Ion: 59 Resp: 262
 Ion Ratio Lower Upper
 59 100
 57 7.3 8.2 12.4#

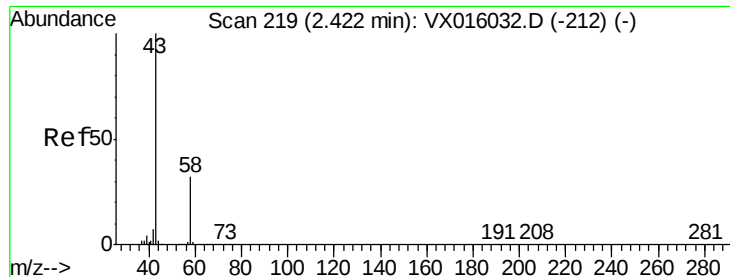


#13

Acrolein
 Concen: 0.497 ug/l
 RT: 2.28 min Scan# 196
 Delta R.T. 0.01 min
 Lab File: VX016283.D
 Acq: 15 May 2020 16:11

Tgt Ion: 56 Resp: 247
 Ion Ratio Lower Upper
 56 100
 55 199.2 56.5 84.7#





#16

Acetone

Concen: 6.376 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX016283.D

Acq: 15 May 2020 16:11

Instrument :

MSVOA_X

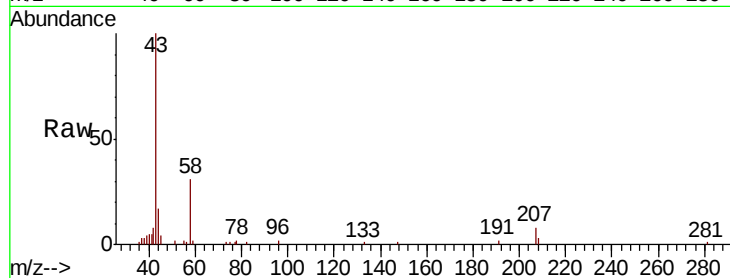
ClientSampleId :

Tot Ion: 43 Resp: 8930

Ion Ratio Lower Upper

43 100

58 31.4 25.4 38.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

6000

5000

4000

3000

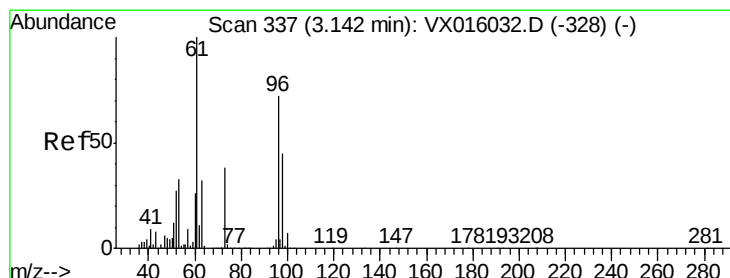
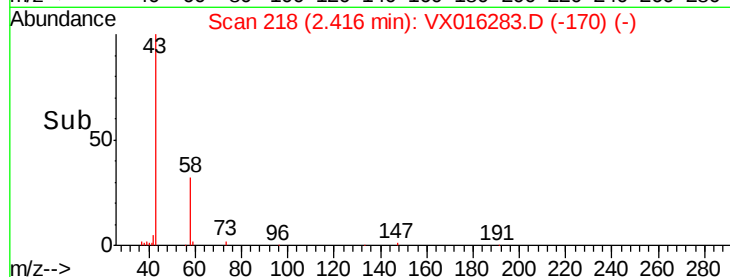
2000

1000

0

2.35 2.40 2.45 2.50 2.55

Time-->



#21

trans-1,2-Dichloroethene

Concen: 0.203 ug/l

RT: 3.14 min Scan# 337

Delta R.T. -0.00 min

Lab File: VX016283.D

Acq: 15 May 2020 16:11

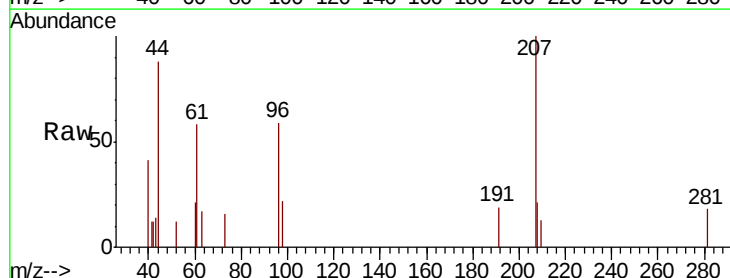
Tgt Ion: 96 Resp: 561

Ion Ratio Lower Upper

96 100

61 98.6 111.2 166.8#

98 37.6 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

400

300

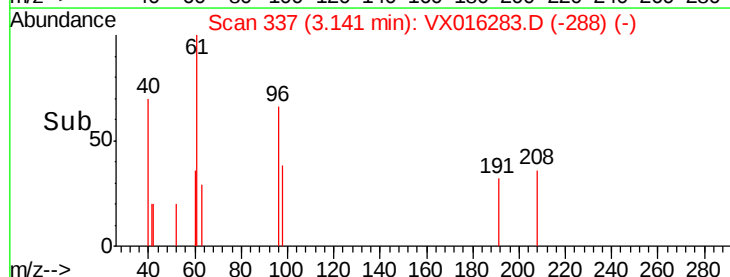
200

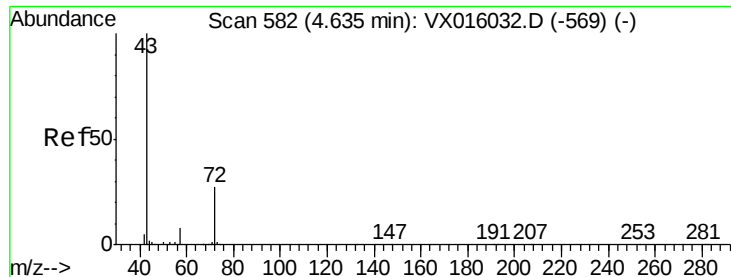
100

0

3.10 3.15

Time-->





#25

2-Butanone

Concen: 0.444 ug/l

RT: 4.67 min Scan# 588

Delta R.T. 0.04 min

Lab File: VX016283.D

Acq: 15 May 2020 16:11

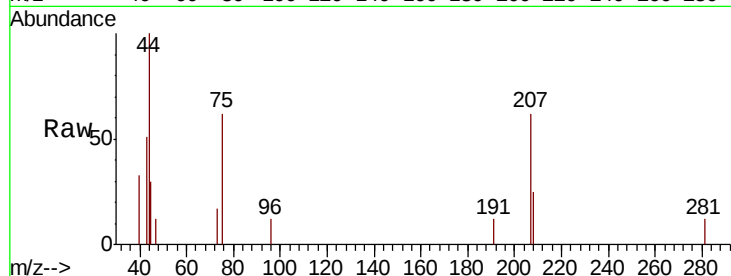
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 43 Resp: 1002

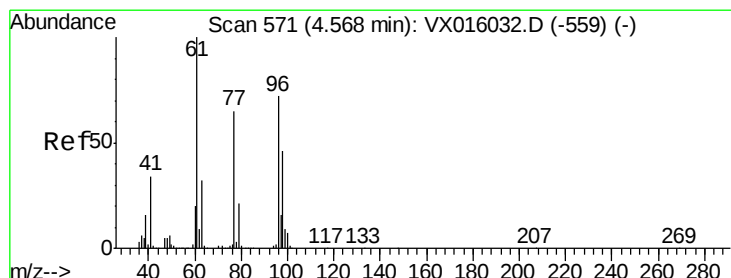
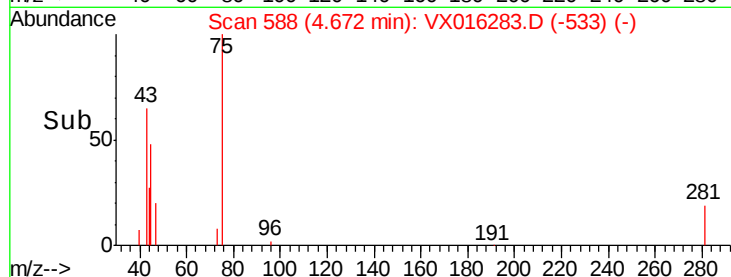
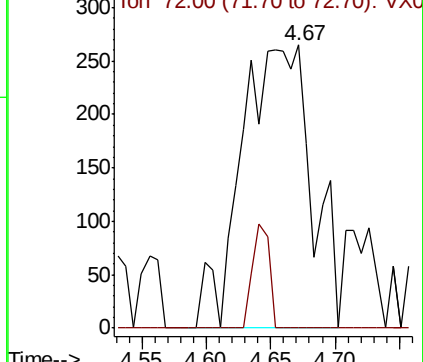
Ion Ratio Lower Upper

43 100

72 0.0 21.8 32.8#



Abundance Ion 43.00 (42.70 to 43.70): VX0



#27

cis-1,2-Dichloroethene

Concen: 1.447 ug/l

RT: 4.57 min Scan# 571

Delta R.T. -0.00 min

Lab File: VX016283.D

Acq: 15 May 2020 16:11

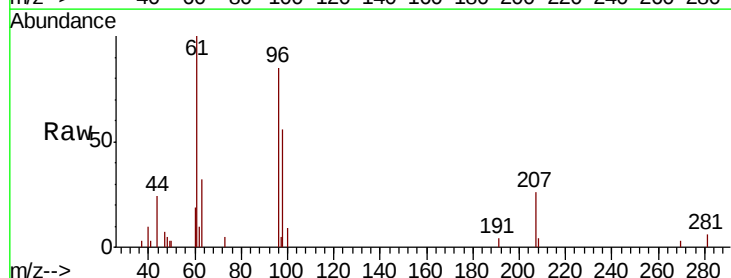
Tgt Ion: 96 Resp: 4372

Ion Ratio Lower Upper

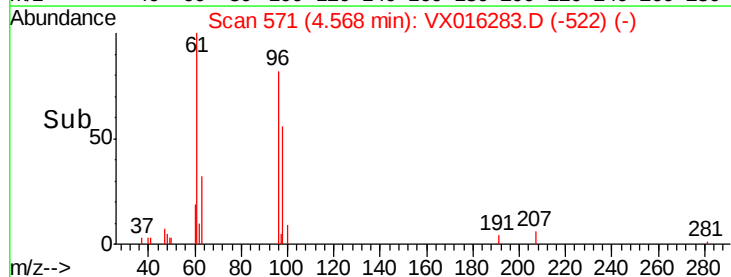
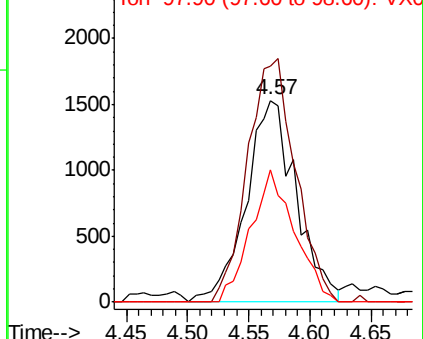
96 100

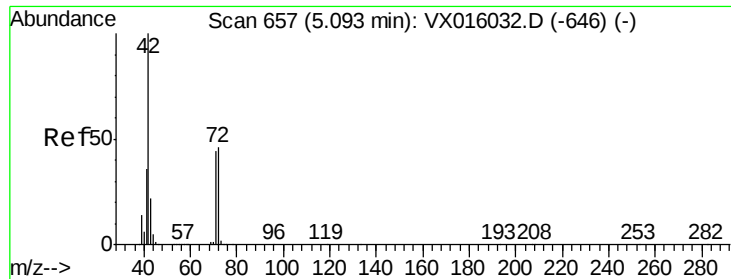
61 115.6 0.0 296.2

98 57.2 0.0 129.4



Abundance Ion 95.90 (95.60 to 96.60): VX0

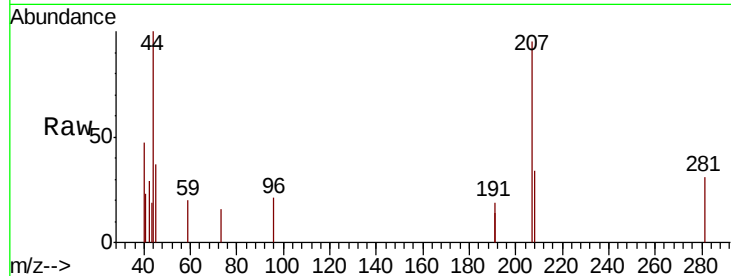




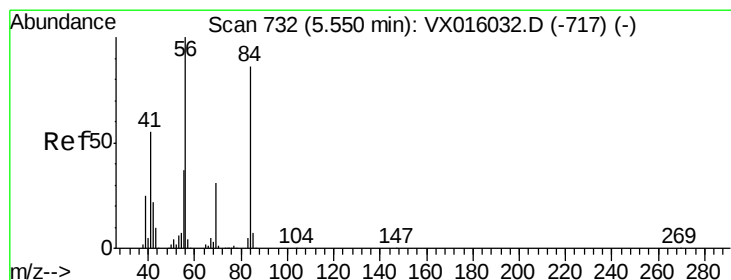
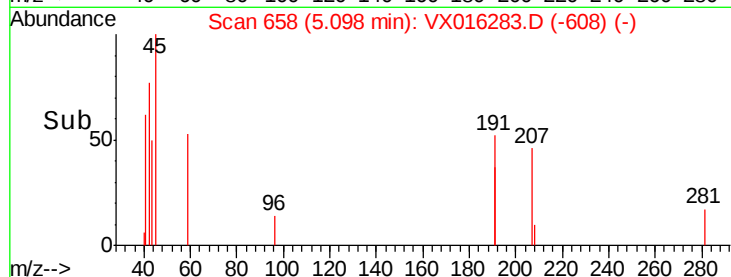
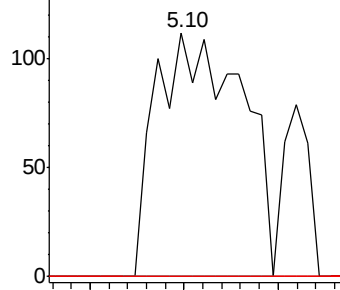
#29
Tetrahydrofuran
Concen: 0.237 ug/l
RT: 5.10 min Scan# 658
Delta R.T. 0.01 min
Lab File: VX016283.D
Acq: 15 May 2020 16:11

Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 42 Resp: 355
Ion Ratio Lower Upper
42 100
72 0.0 37.1 55.7#
71 0.0 34.5 51.7#

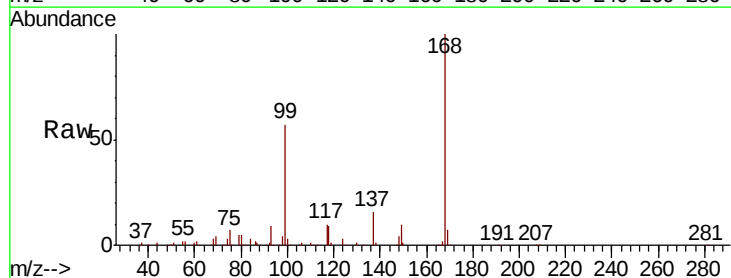


Abundance Ion 42.00 (41.70 to 42.70): VX0
Ion 72.00 (71.70 to 72.70): VX0
Ion 71.00 (70.70 to 71.70): VX0

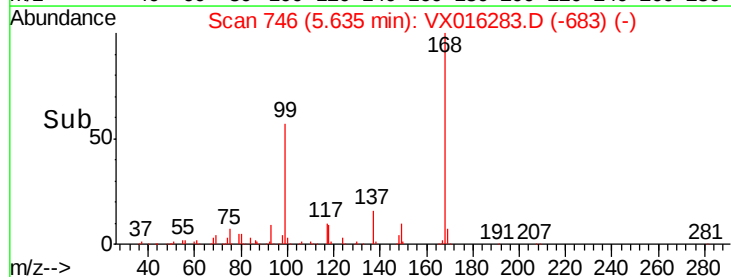
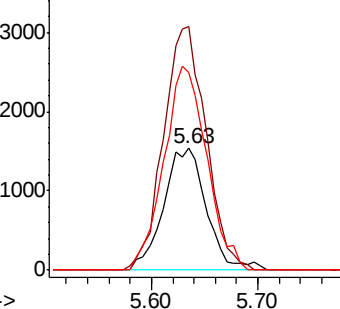


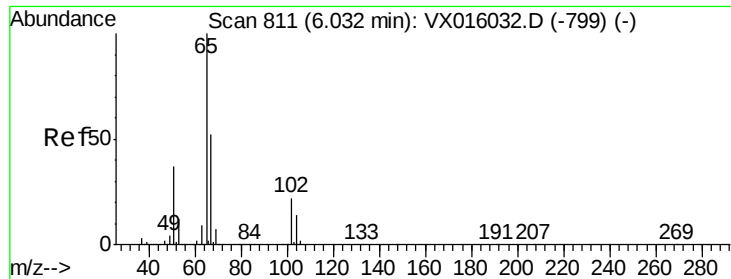
#31
Cyclohexane
Concen: 0.992 ug/l
RT: 5.63 min Scan# 746
Delta R.T. 0.09 min
Lab File: VX016283.D
Acq: 15 May 2020 16:11

Tgt Ion: 56 Resp: 4324
Ion Ratio Lower Upper
56 100
69 200.1 25.0 37.6#
84 162.0 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: 46.249 ug/l

RT: 6.04 min Scan# 812

Delta R.T. 0.01 min

Lab File: VX016283.D

Acq: 15 May 2020 16:11

Instrument :

MSVOA_X

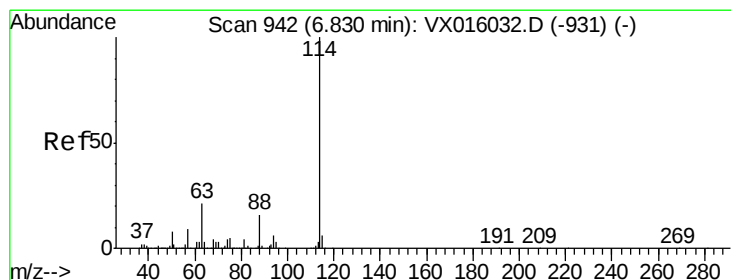
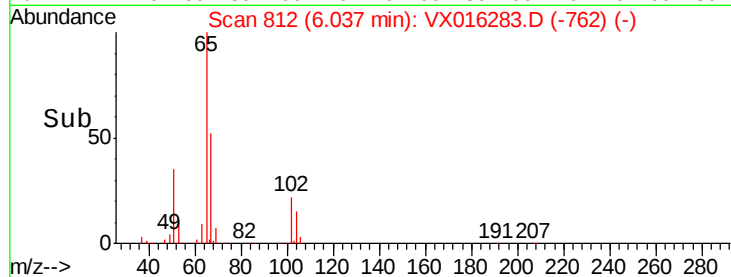
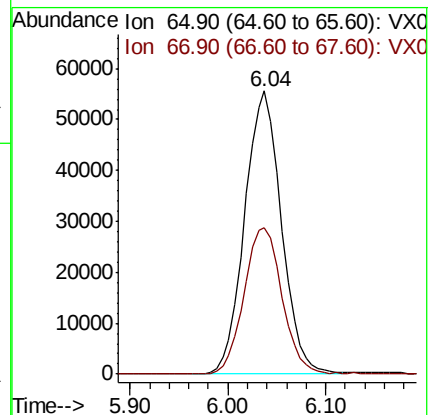
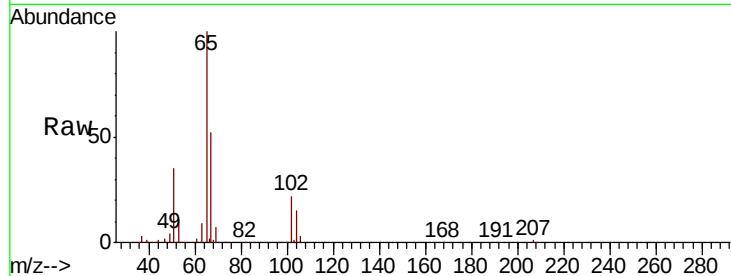
ClientSampleId :

Tot Ion: 65 Resp: 145170

Ion Ratio Lower Upper

65 100

67 53.8 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: VX016283.D

Acq: 15 May 2020 16:11

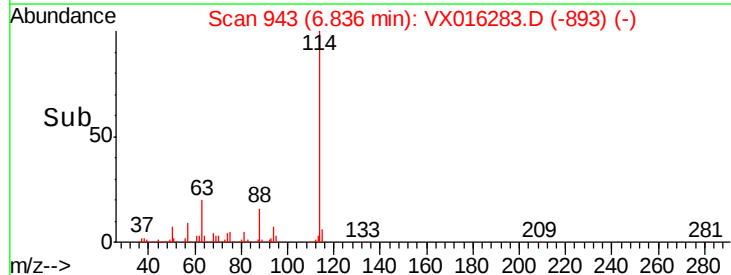
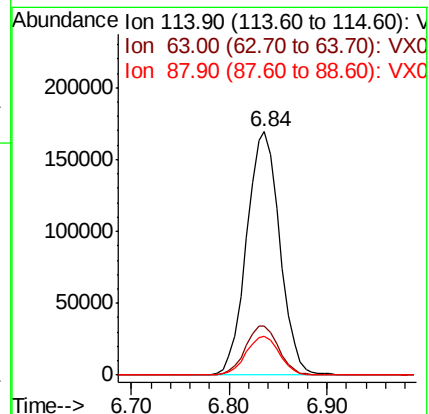
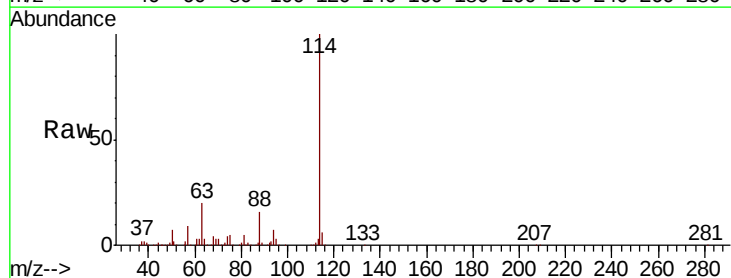
Tgt Ion: 114 Resp: 398910

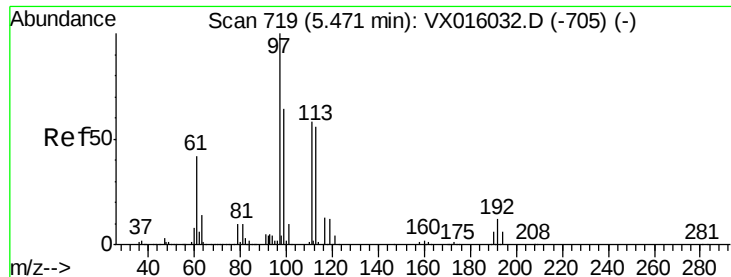
Ion Ratio Lower Upper

114 100

63 20.3 0.0 42.8

88 16.0 0.0 31.4

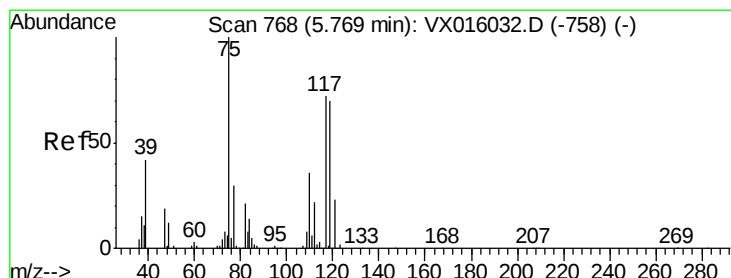
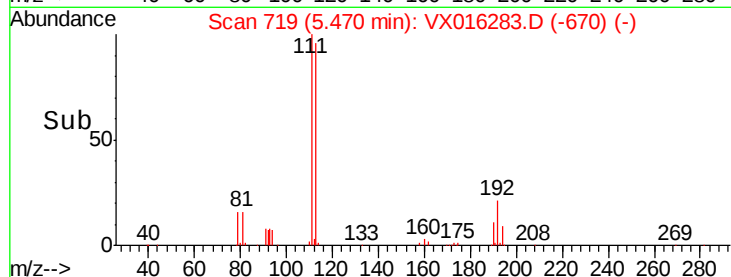
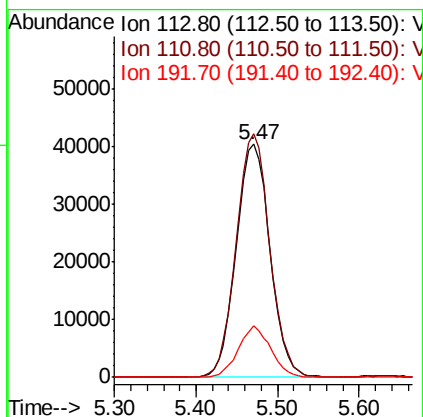
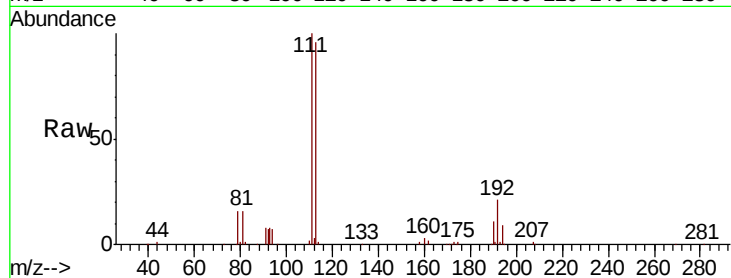




#35
 Dibromofluoromethane
 Concen: 46.219 ug/l
 RT: 5.47 min Scan# 719
 Delta R.T. -0.00 min
 Lab File: VX016283.D
 Acq: 15 May 2020 16:11

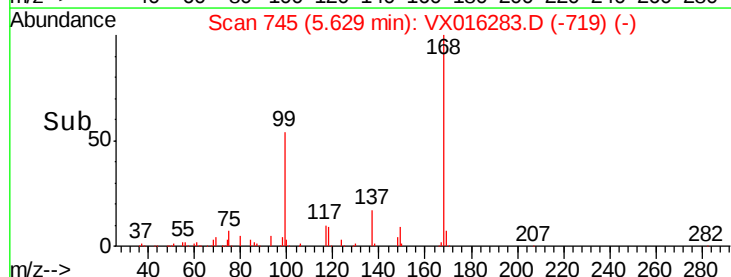
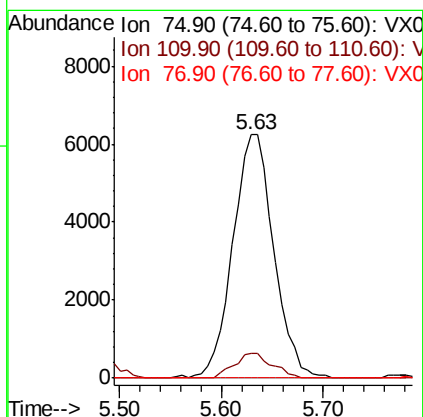
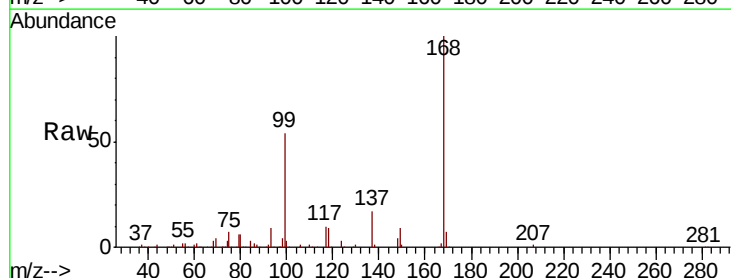
Instrument :
 MSVOA_X
 ClientSampled :

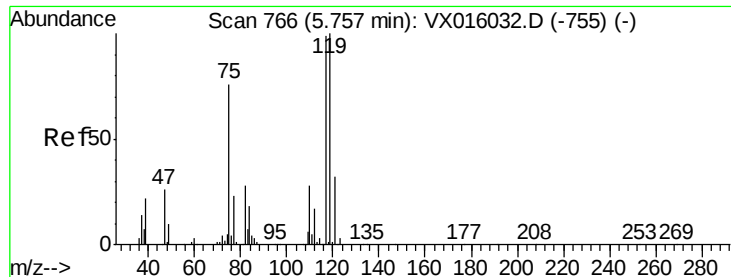
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.1	81.6	122.4
192	21.0	17.0	25.4



#36
 1,1-Dichloropropene
 Concen: 4.425 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.14 min
 Lab File: VX016283.D
 Acq: 15 May 2020 16:11

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.5	18.1	54.1#
77	0.0	25.0	37.6#





#38

Carbon Tetrachloride

Concen: 5.839 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.13 min

Lab File: VX016283.D

Acq: 15 May 2020 16:11

Instrument :

MSVOA_X

ClientSampleId :

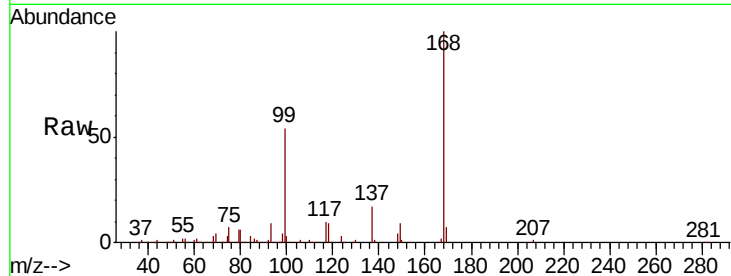
Tot Ion:117 Resp: 23305

Ion Ratio Lower Upper

117 100

119 4.7 80.3 120.5#

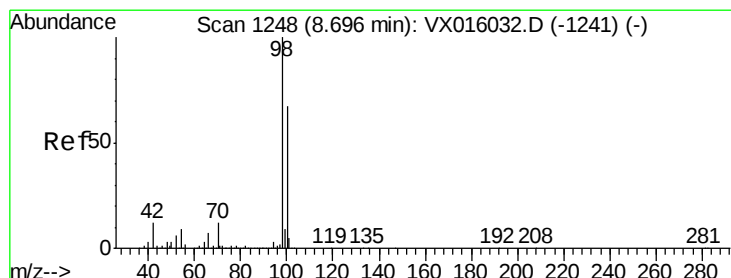
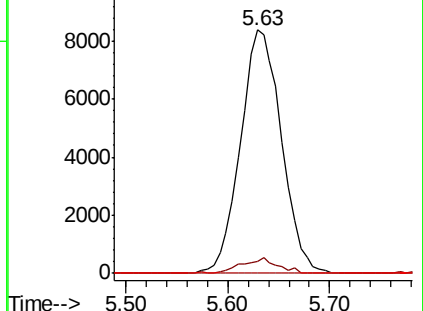
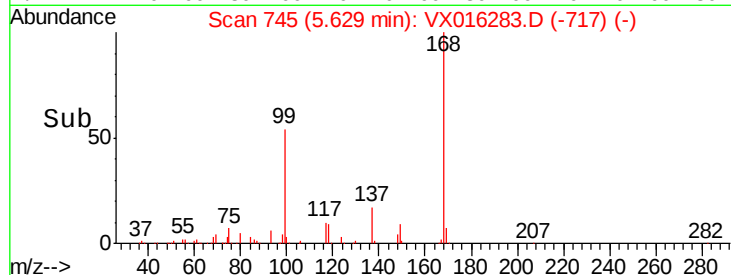
121 0.0 25.7 38.5#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#50

Toluene-d8

Concen: 51.261 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX016283.D

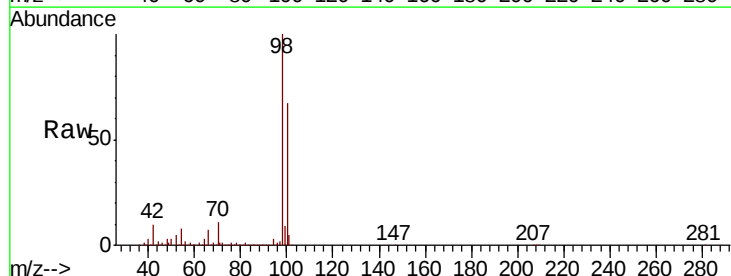
Acq: 15 May 2020 16:11

Tgt Ion: 98 Resp: 499163

Ion Ratio Lower Upper

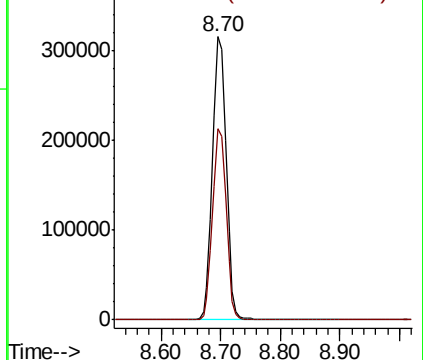
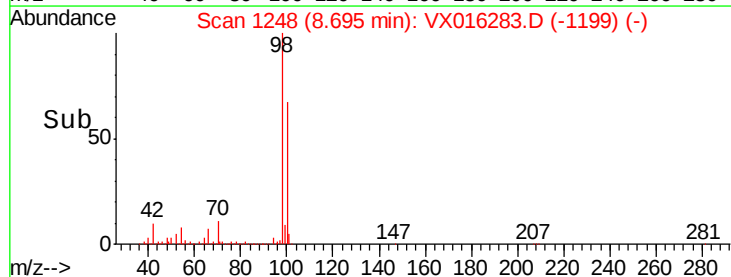
98 100

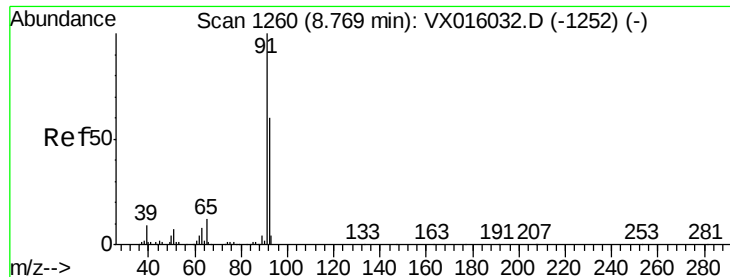
100 67.1 53.7 80.5



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#52

Toluene

Concen: 1.187 ug/l

RT: 8.77 min Scan# 1260

Delta R.T. -0.00 min

Lab File: VX016283.D

Acq: 15 May 2020 16:11

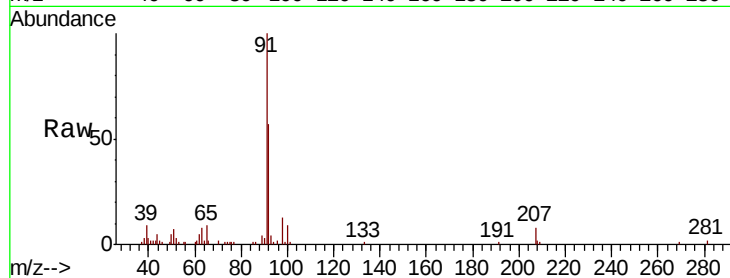
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 92 Resp: 8500

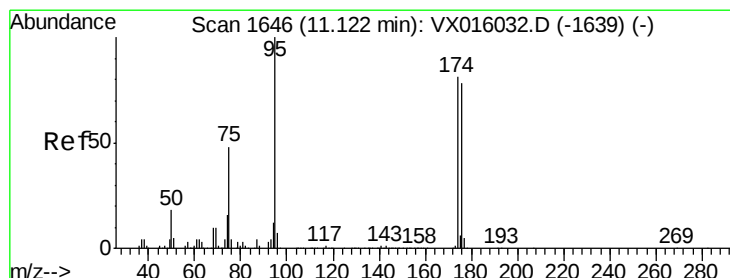
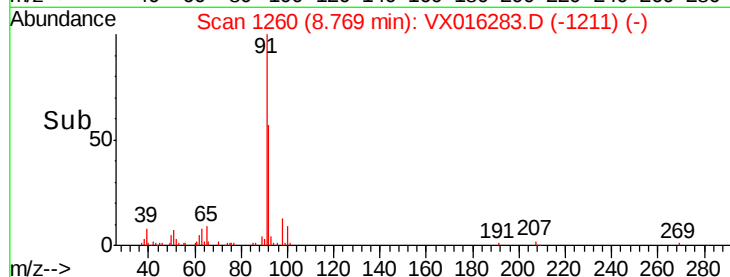
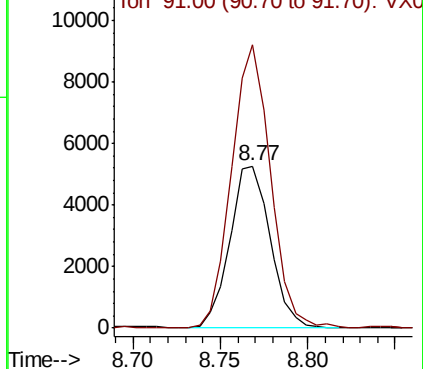
Ion Ratio Lower Upper

92 100

91 168.0 134.5 201.7



Abundance Ion 92.00 (91.70 to 92.70): VX0
Ion 91.00 (90.70 to 91.70): VX0



#62

4-Bromofluorobenzene

Concen: 54.351 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016283.D

Acq: 15 May 2020 16:11

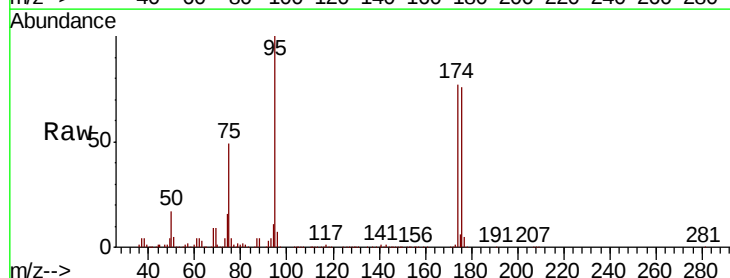
Tgt Ion: 95 Resp: 201304

Ion Ratio Lower Upper

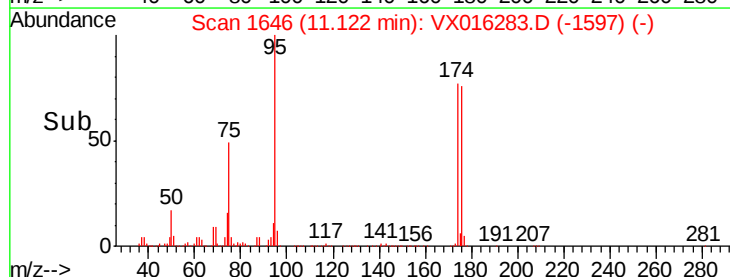
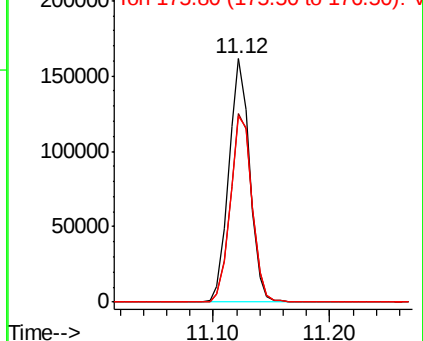
95 100

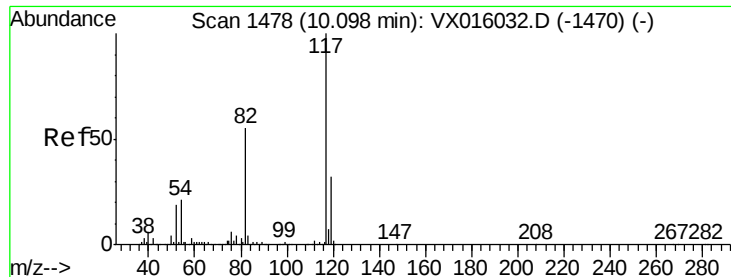
174 79.9 0.0 159.4

176 79.6 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

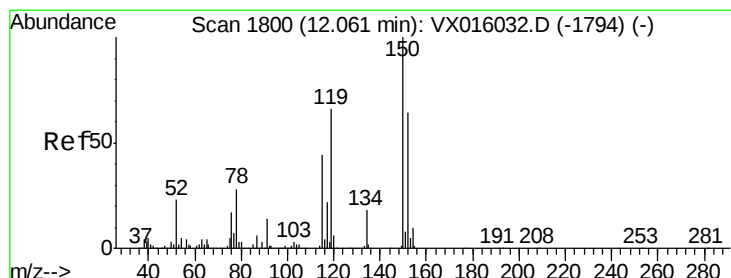
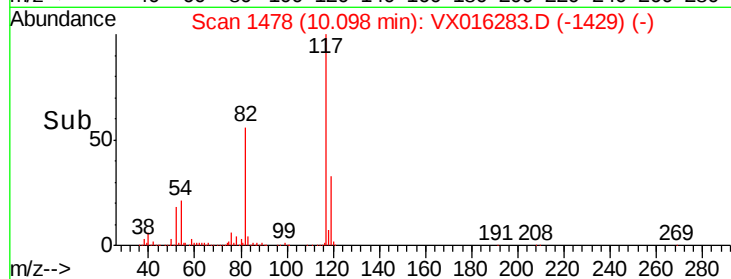
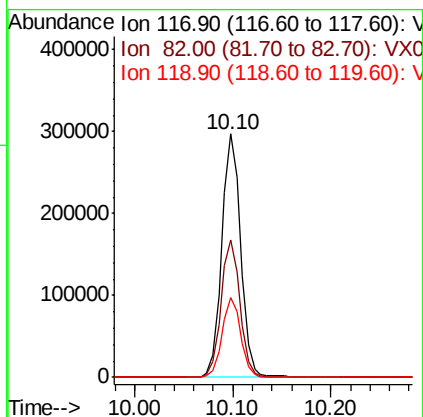
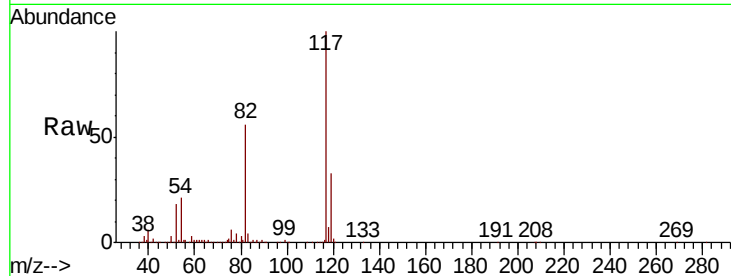




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX016283.D
Acq: 15 May 2020 16:11

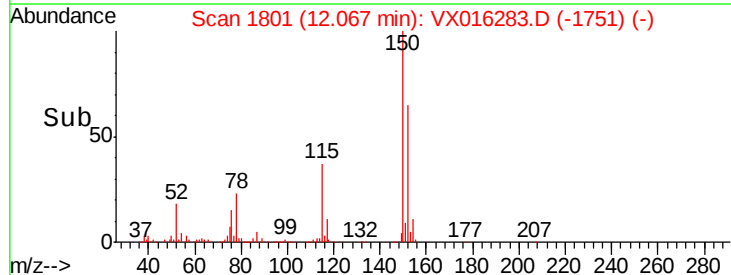
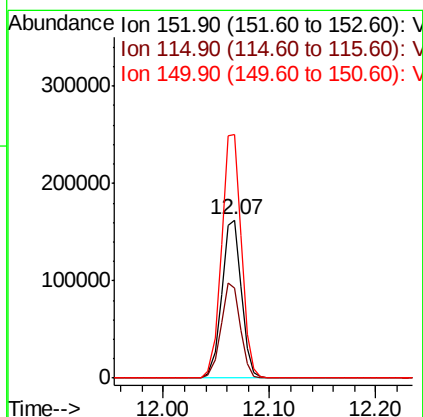
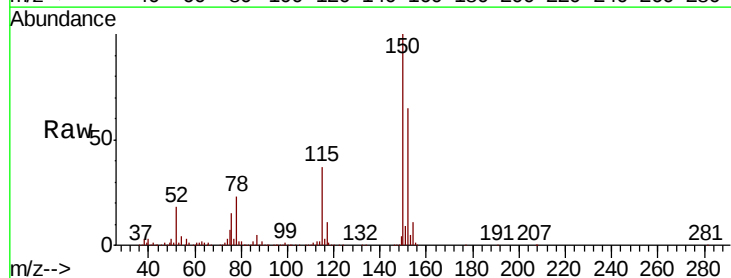
Instrument :
MSVOA_X
ClientSampleId :

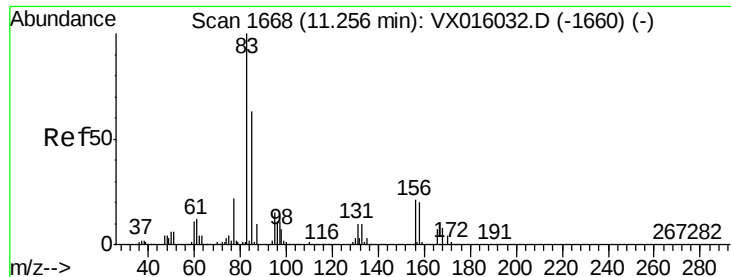
Tot Ion	Ratio	Lower	Upper
117	100		
82	56.2	44.4	66.6
119	32.9	25.5	38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1801
Delta R.T. 0.01 min
Lab File: VX016283.D
Acq: 15 May 2020 16:11

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.1	41.3	124.1
150	155.9	0.0	352.2





#75

1,1,2,2-Tetrachloroethane

Concen: 2.096 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.13 min

Lab File: VX016283.D

Acq: 15 May 2020 16:11

Instrument :

MSVOA_X

ClientSampleId :

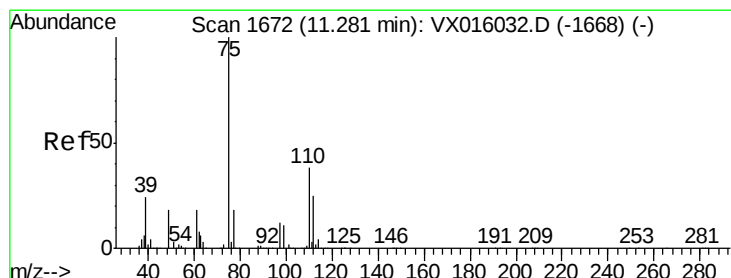
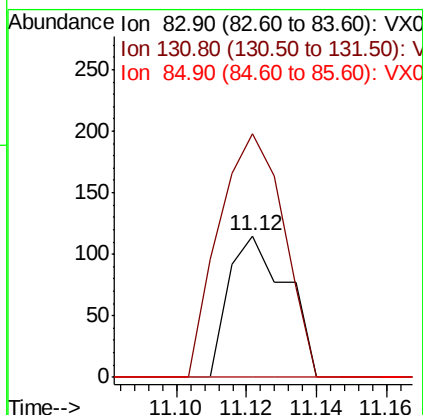
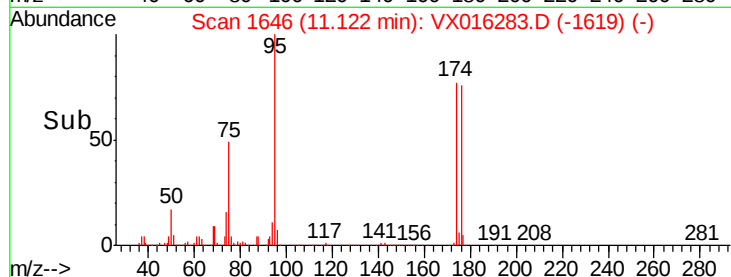
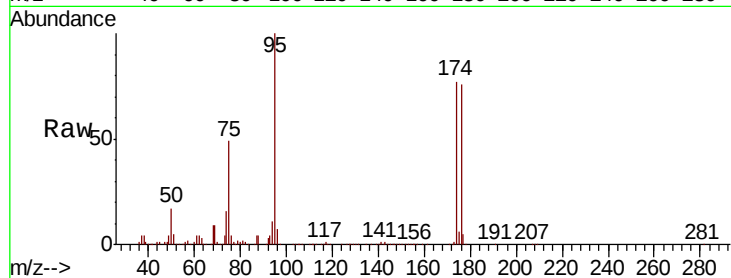
Tot Ion: 83 Resp: 132

Ion Ratio Lower Upper

83 100

131 193.2 5.1 15.4#

85 0.0 32.0 96.0#



#76

1,2,3-Trichloropropane

Concen: 20.694 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016283.D

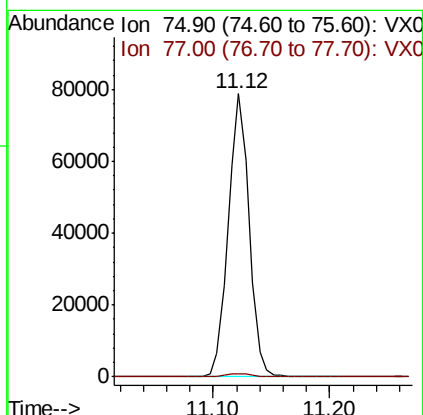
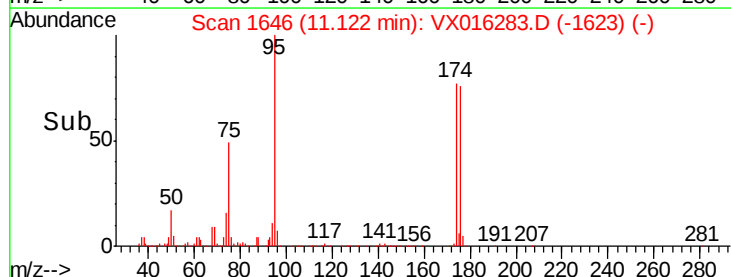
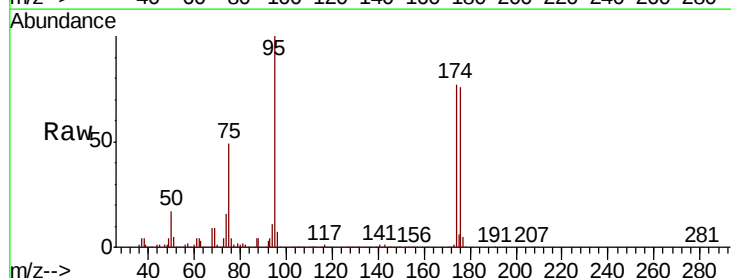
Acq: 15 May 2020 16:11

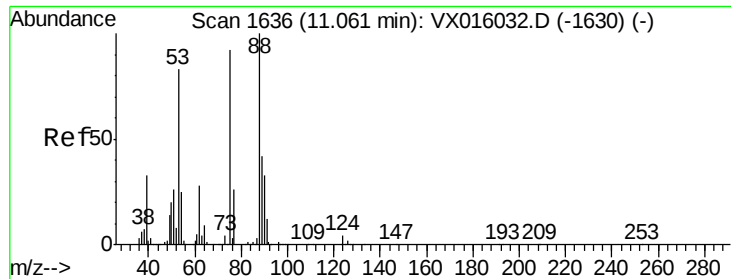
Tgt Ion: 75 Resp: 98034

Ion Ratio Lower Upper

75 100

77 1.4 21.2 63.6#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 49.315 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. 0.06 min
 Lab File: VX016283.D
 Acq: 15 May 2020 16:11

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion: 75 Resp: 98034
 Ion Ratio Lower Upper
 75 100
 53 0.0 73.1 109.7#
 89 0.0 36.7 55.1#

