

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VO050120\
 Data File : VX016016.D
 Acq On : 01 May 2020 17:02
 Operator : JC/SP
 Sample : L2469-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: May 02 07:00:50 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042820W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 28 17:30:11 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	268405	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	442798	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	433850	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	219188	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	172665	49.20	ug/l	0.00
Spiked Amount			Recovery	=	98.40%	
35) Dibromofluoromethane	5.47	113	131134	47.47	ug/l	0.00
Spiked Amount			Recovery	=	94.94%	
50) Toluene-d8	8.70	98	545341	52.80	ug/l	0.00
Spiked Amount			Recovery	=	105.60%	
62) 4-Bromofluorobenzene	11.12	95	216137	53.36	ug/l	0.00
Spiked Amount			Recovery	=	106.72%	

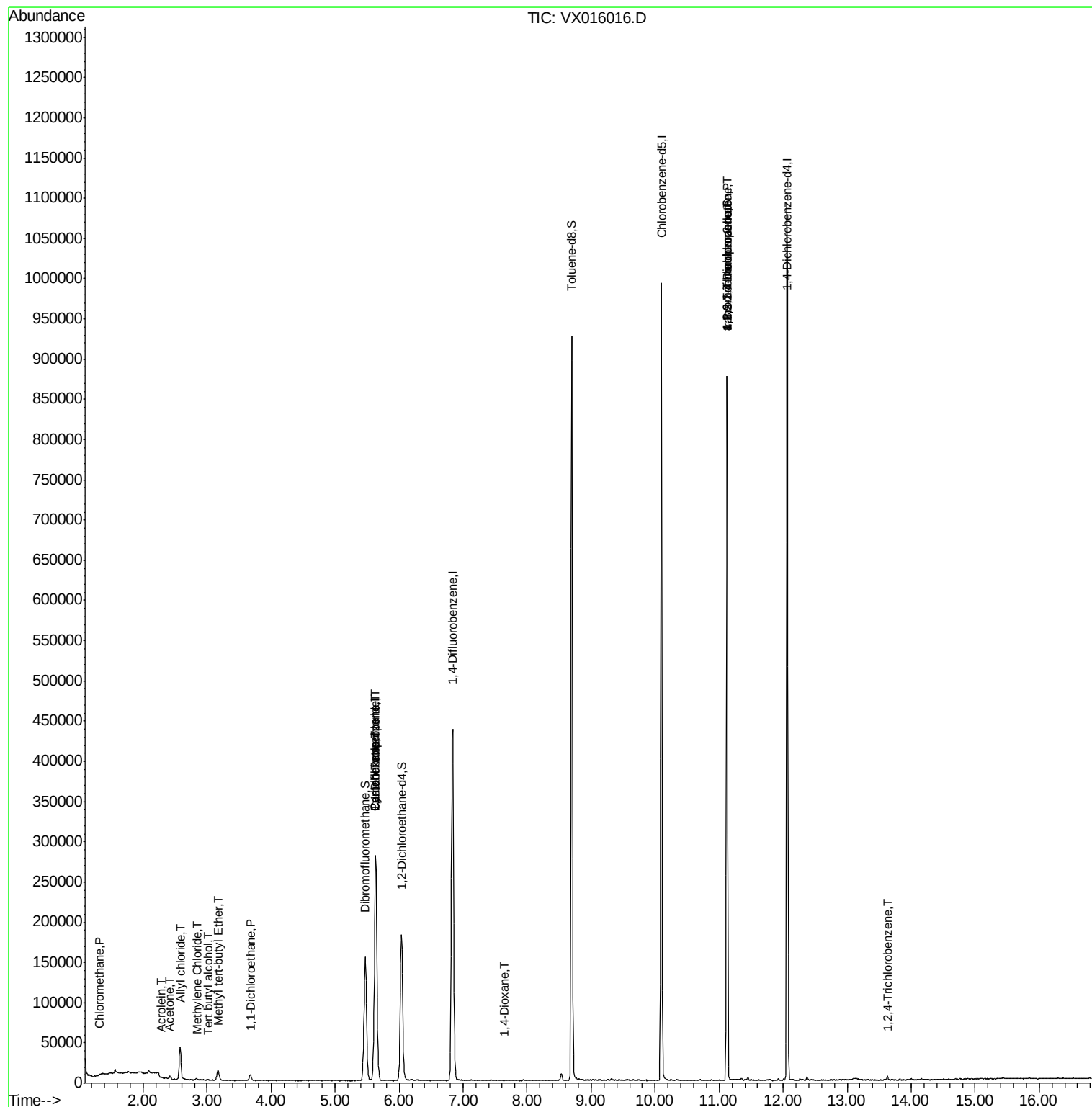
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	718	0.247	ug/l #	87
11) Tert butyl alcohol	3.01	59	761	0.893	ug/l #	72
13) Acrolein	2.27	56	141	0.659	ug/l #	14
14) Allyl chloride	2.58	41	4018	0.868	ug/l #	73
16) Acetone	2.42	43	3223	2.148	ug/l	91
19) Methyl tert-butyl Ether	3.17	73	14098	1.518	ug/l	98
20) Methylene Chloride	2.84	84	733	0.247	ug/l #	87
24) 1,1-Dichloroethane	3.67	63	7431	1.465	ug/l	96
31) Cyclohexane	5.63	56	6132	1.358	ug/l #	12
36) 1,1-Dichloropropene	5.63	75	21035	4.988	ug/l #	50
38) Carbon Tetrachloride	5.63	117	26688	5.991	ug/l #	17
49) 1,4-Dioxane	7.64	88	20	0.230	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	11.12	83	267	3.772	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	114529	24.901	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	114529	58.846	ug/l #	10
93) 1,2,4-Trichlorobenzene	13.63	180	1207	0.240	ug/l	98

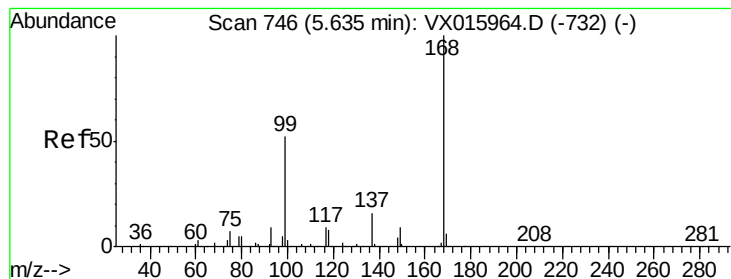
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX050120\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X042820W.M
Quant Title : SW846 8260
QLast Update : Tue Apr 28 17:30:11 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. 0.00 min

Lab File: VX016016.D

Acq: 01 May 2020 17:02

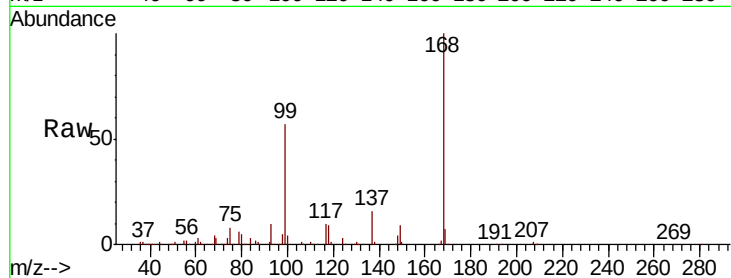
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 268405

Ion Ratio Lower Upper

168 100

99 57.1 41.7 62.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

100000

80000

60000

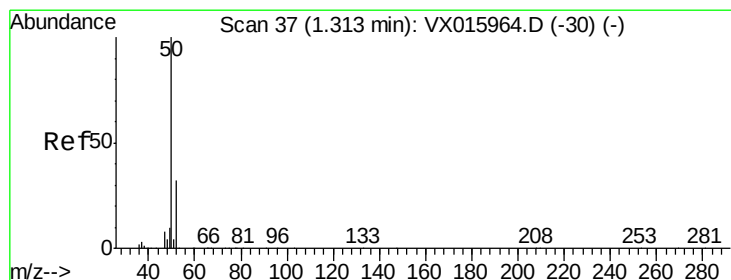
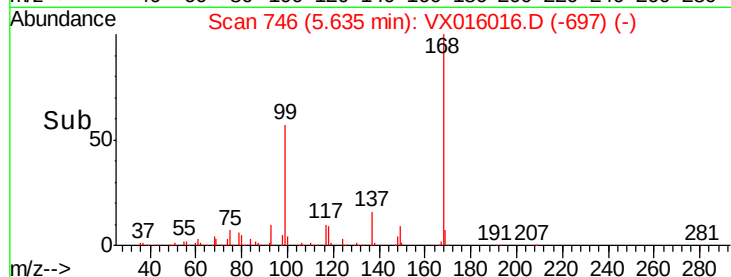
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.247 ug/l

RT: 1.31 min Scan# 37

Delta R.T. 0.00 min

Lab File: VX016016.D

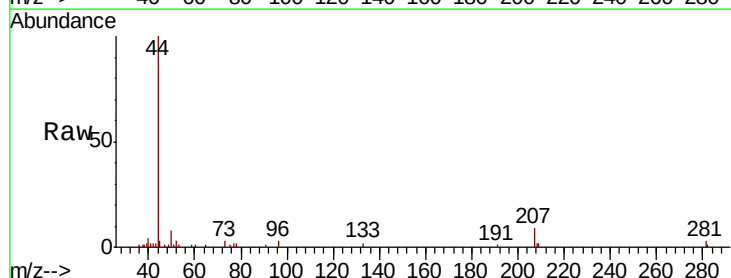
Acq: 01 May 2020 17:02

Tgt Ion: 50 Resp: 718

Ion Ratio Lower Upper

50 100

52 24.9 25.5 38.3#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

600

500

400

300

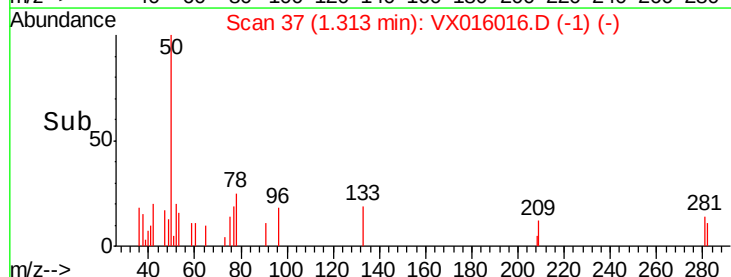
200

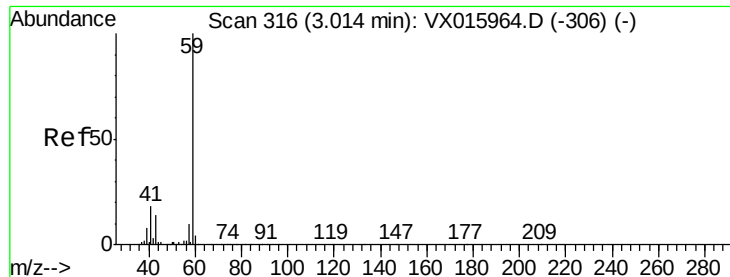
100

0

Time-->

1.30 1.35

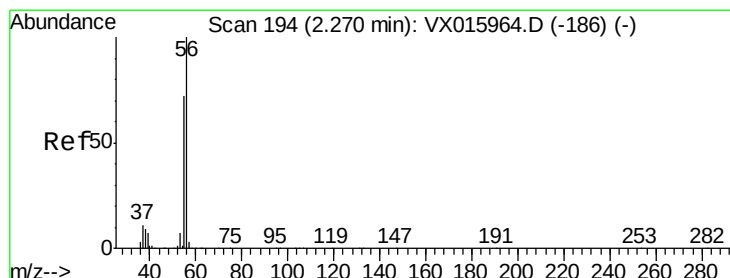
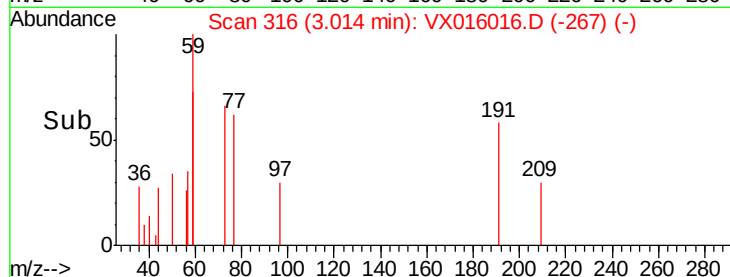
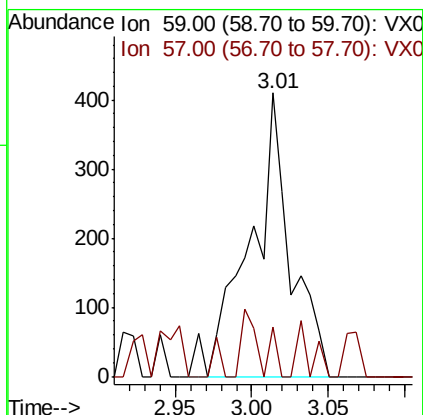
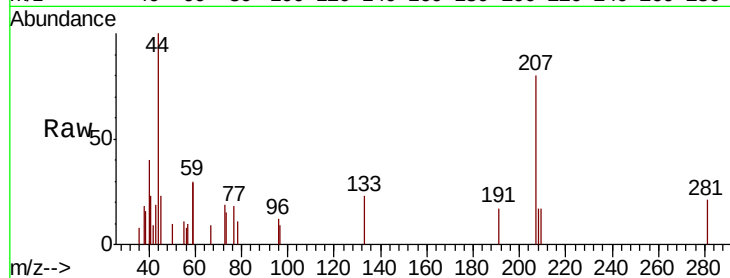




#11
Tert butyl alcohol
Concen: 0.893 ug/l
RT: 3.01 min Scan# 316
Delta R.T. 0.00 min
Lab File: VX016016.D
Acq: 01 May 2020 17:02

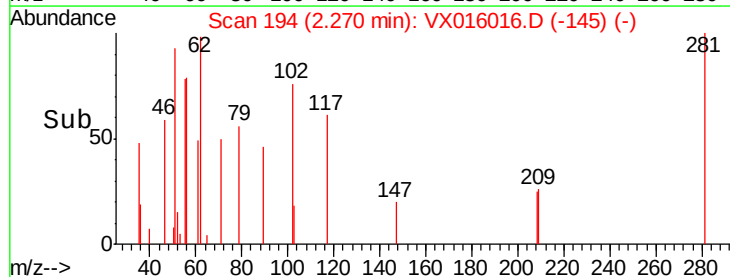
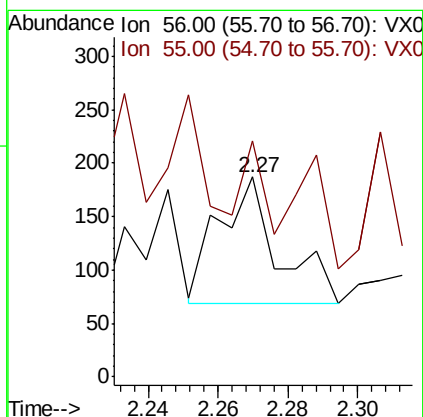
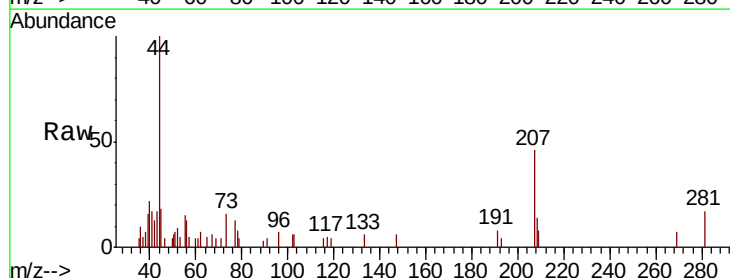
Instrument :
MSVOA_X
ClientSampled :

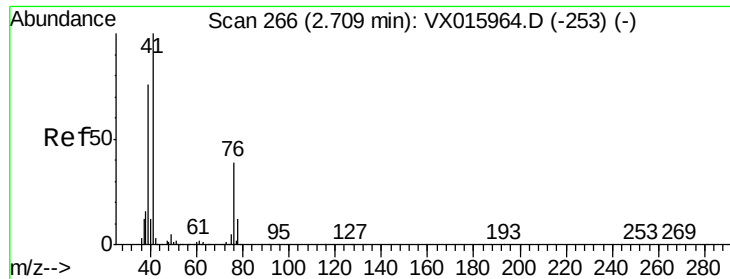
Tot Ion: 59 Resp: 761
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#13
Acrolein
Concen: 0.659 ug/l
RT: 2.27 min Scan# 194
Delta R.T. 0.00 min
Lab File: VX016016.D
Acq: 01 May 2020 17:02

Tgt Ion: 56 Resp: 141
Ion Ratio Lower Upper
56 100
55 0.0 56.9 85.3#

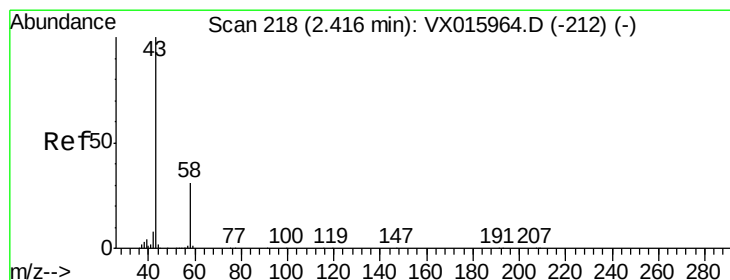
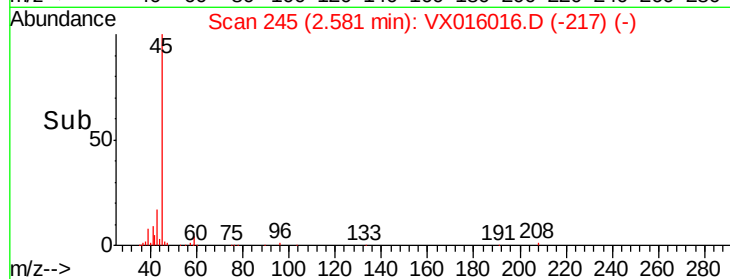
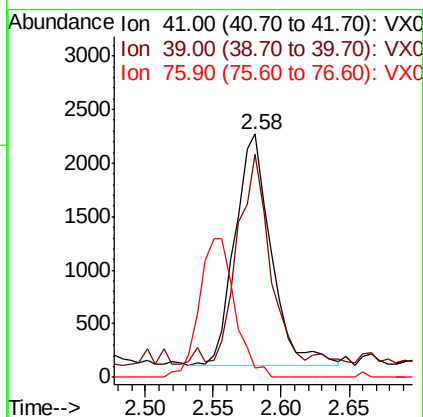
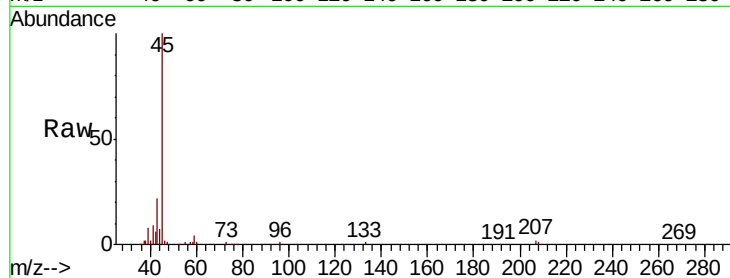




#14
Allvl chloride
Concen: 0.868 ug/l
RT: 2.58 min Scan# 245
Delta R.T. -0.13 min
Lab File: VX016016.D
Acq: 01 May 2020 17:02

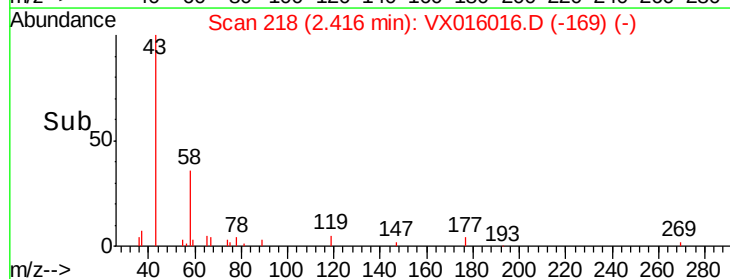
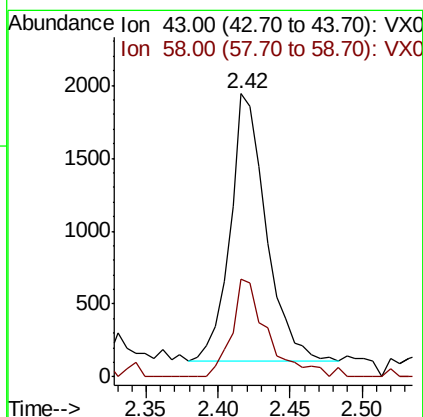
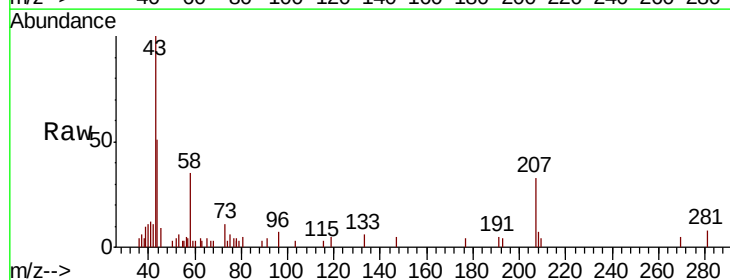
Instrument :
MSVOA_X
ClientSampleId :

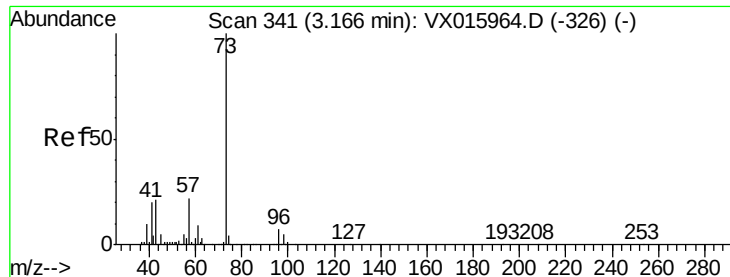
Tot Ion: 41 Resp: 4018
Ion Ratio Lower Upper
41 100
39 78.4 55.4 83.0
76 0.0 27.1 40.7#



#16
Acetone
Concen: 2.148 ug/l
RT: 2.42 min Scan# 218
Delta R.T. 0.00 min
Lab File: VX016016.D
Acq: 01 May 2020 17:02

Tgt Ion: 43 Resp: 3223
Ion Ratio Lower Upper
43 100
58 36.6 25.1 37.7



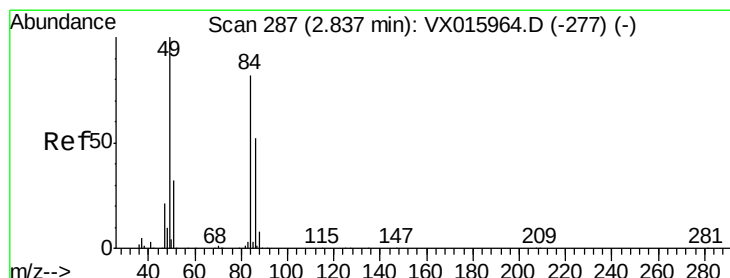
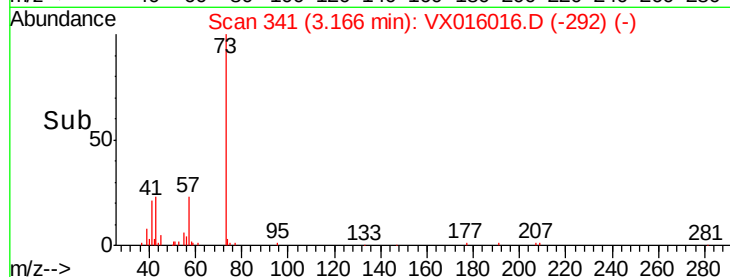
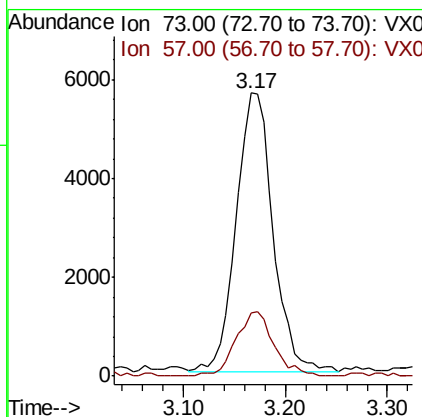
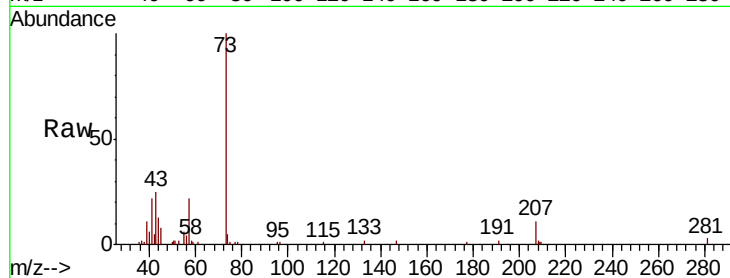


#19

Methyl tert-butyl Ether
 Concen: 1.518 ug/l
 RT: 3.17 min Scan# 341
 Delta R.T. 0.00 min
 Lab File: VX016016.D
 Acq: 01 May 2020 17:02

Instrument :
 MSVOA_X
 ClientSampleId :

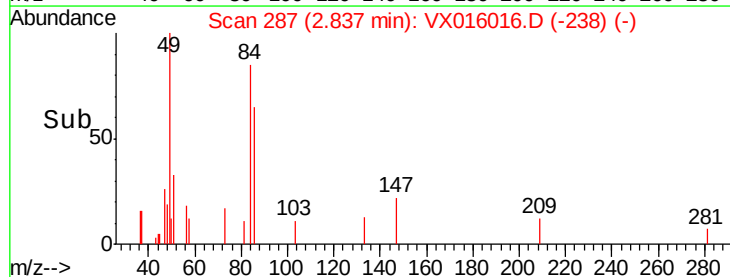
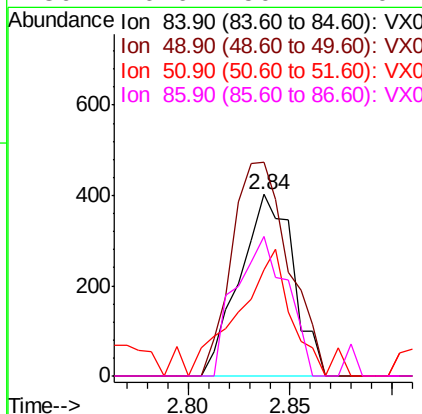
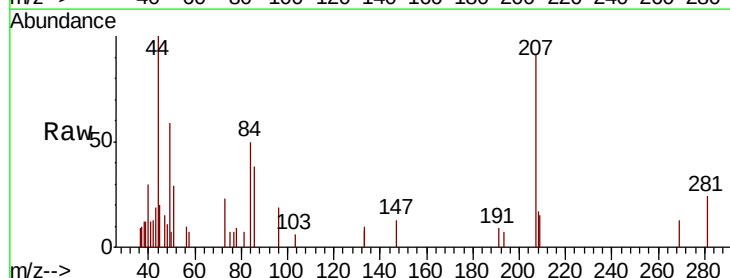
Tot Ion: 73 Resp: 14098
 Ion Ratio Lower Upper
 73 100
 57 22.8 17.5 26.3

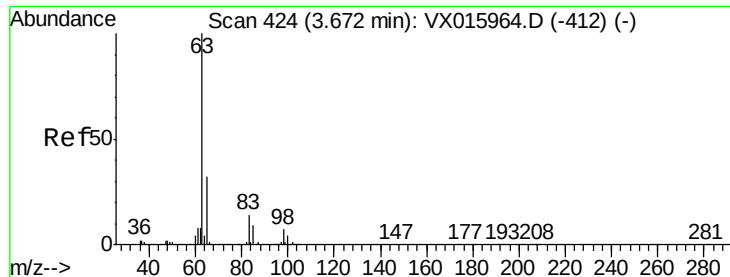


#20

Methylene Chloride
 Concen: 0.247 ug/l
 RT: 2.84 min Scan# 287
 Delta R.T. 0.00 min
 Lab File: VX016016.D
 Acq: 01 May 2020 17:02

Tgt Ion: 84 Resp: 733
 Ion Ratio Lower Upper
 84 100
 49 117.7 97.9 146.9
 51 58.7 31.2 46.8#
 86 76.6 50.7 76.1#





#24

1,1-Dichloroethane

Concen: 1.465 ug/l

RT: 3.67 min Scan# 424

Delta R.T. 0.00 min

Lab File: VX016016.D

Acq: 01 May 2020 17:02

Instrument :

MSVOA_X

ClientSampleId :

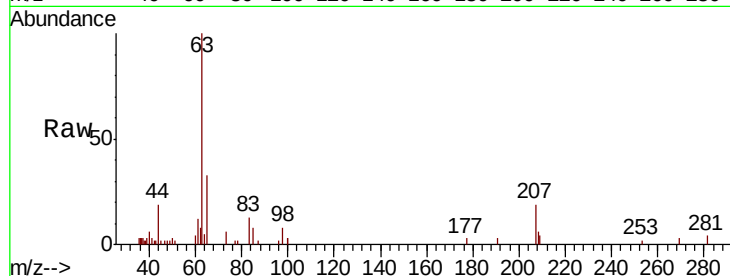
Tot Ion: 63 Resp: 7431

Ion Ratio Lower Upper

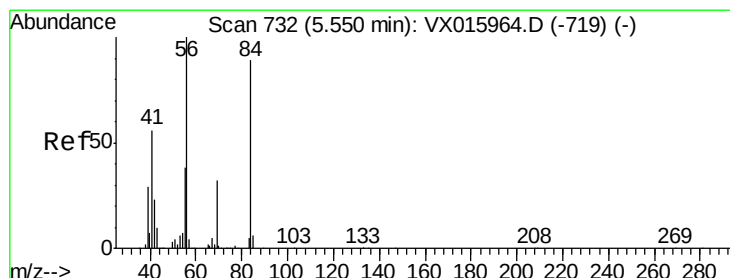
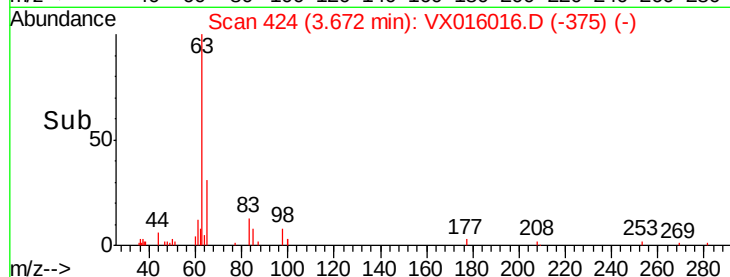
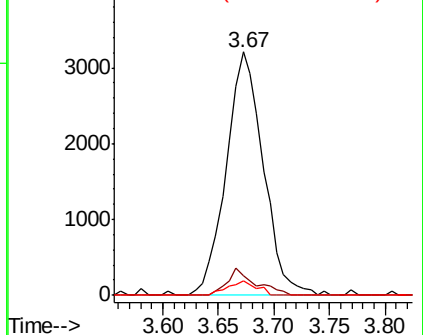
63 100

98 8.1 3.6 10.8

100 6.0 2.2 6.6



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



#31

Cyclohexane

Concen: 1.358 ug/l

RT: 5.63 min Scan# 745

Delta R.T. 0.08 min

Lab File: VX016016.D

Acq: 01 May 2020 17:02

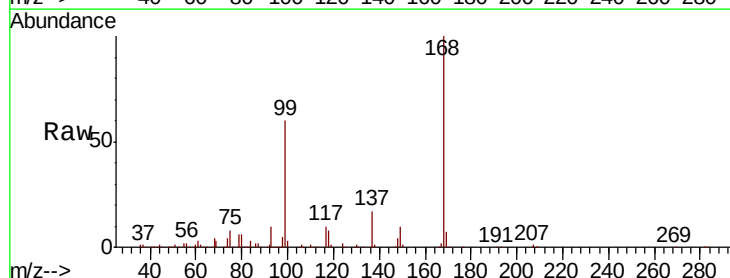
Tgt Ion: 56 Resp: 6132

Ion Ratio Lower Upper

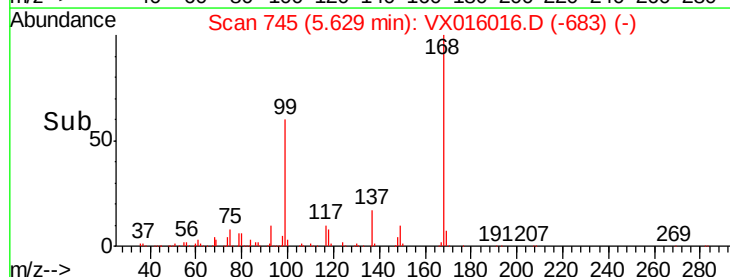
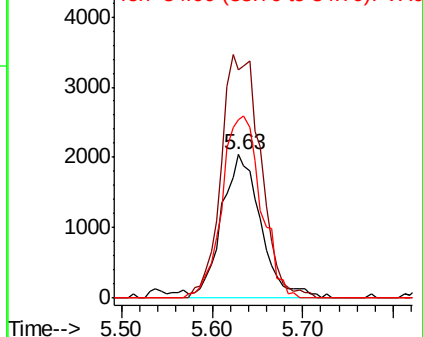
56 100

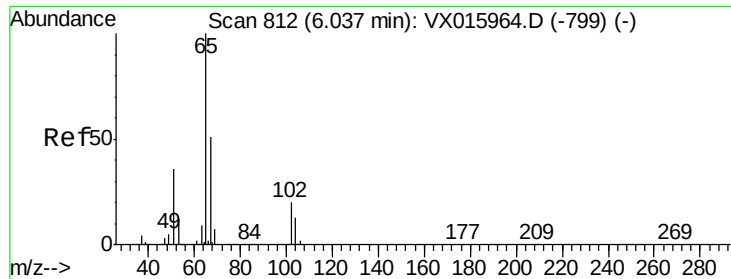
69 159.2 25.4 38.2#

84 124.4 71.0 106.6#



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

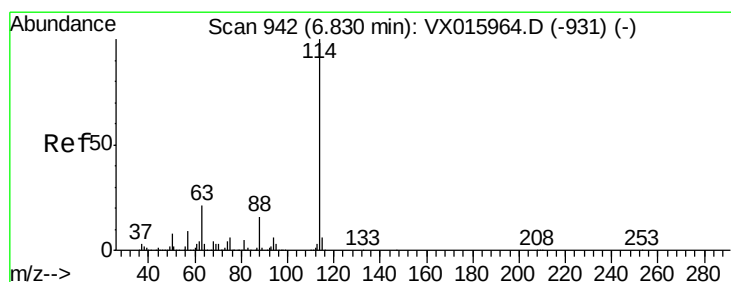
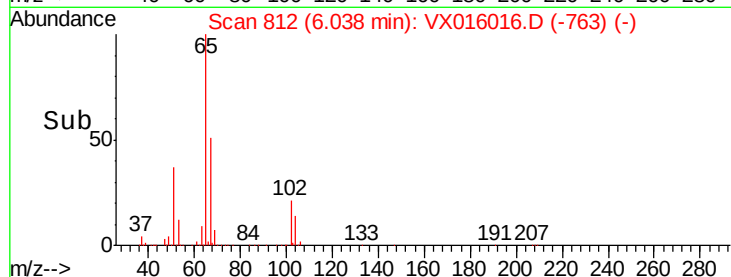
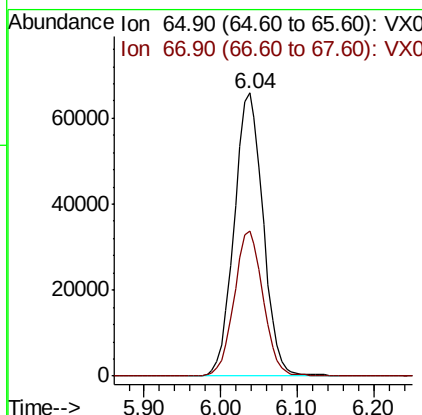
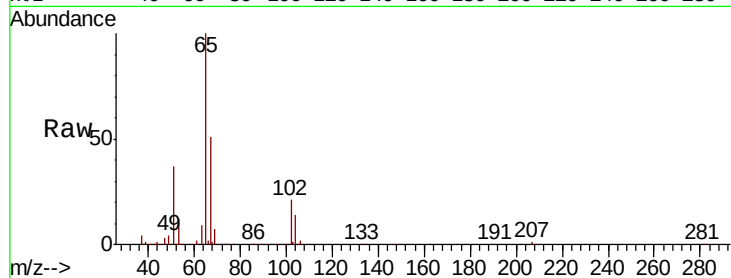




#33
 1,2-Dichloroethane-d4
 Concen: 49.202 ug/l
 RT: 6.04 min Scan# 812
 Delta R.T. 0.00 min
 Lab File: VX016016.D
 Acq: 01 May 2020 17:02

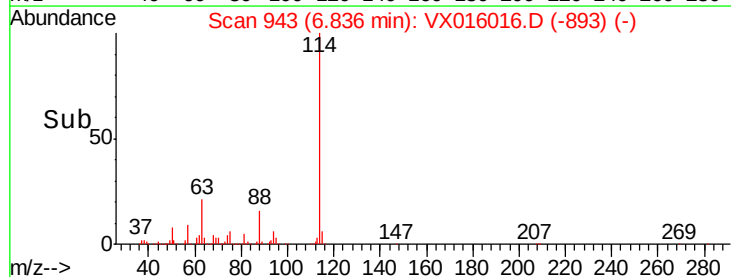
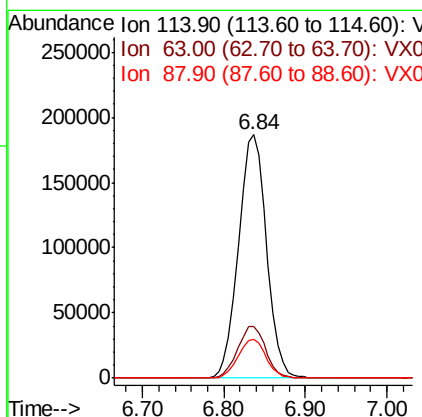
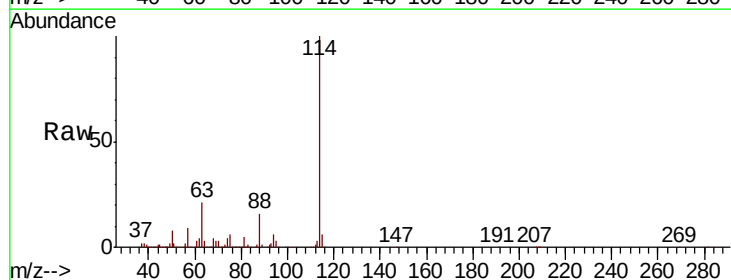
Instrument :
 MSVOA_X
 ClientSampleId :

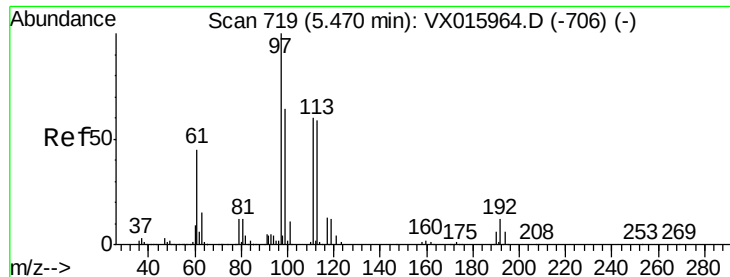
Tot Ion: 65 Resp: 172665
 Ion Ratio Lower Upper
 65 100
 67 51.4 0.0 102.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.84 min Scan# 943
 Delta R.T. 0.01 min
 Lab File: VX016016.D
 Acq: 01 May 2020 17:02

Tgt Ion: 114 Resp: 442798
 Ion Ratio Lower Upper
 114 100
 63 21.1 0.0 41.2
 88 16.0 0.0 31.8

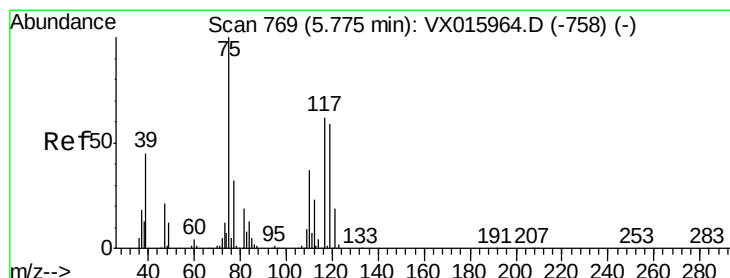
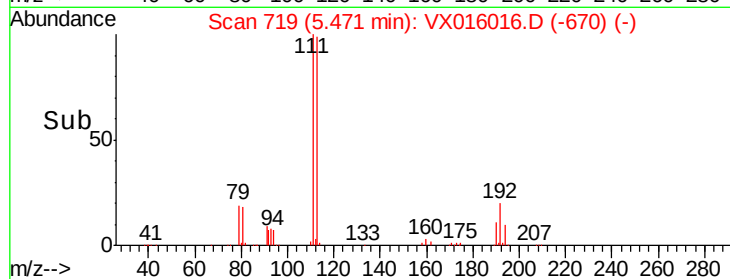
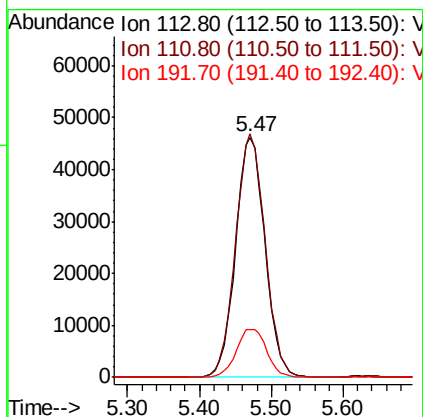
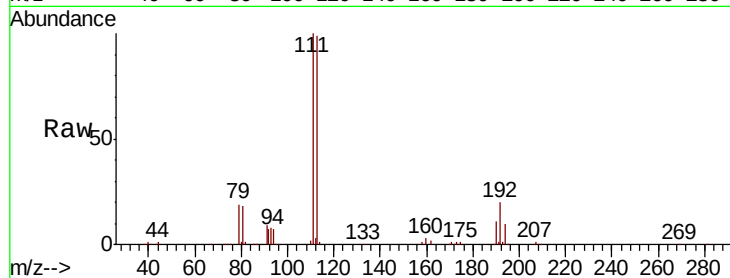




#35
 Dibromofluoromethane
 Concen: 47.475 ug/l
 RT: 5.47 min Scan# 719
 Delta R.T. 0.00 min
 Lab File: VX016016.D
 Acq: 01 May 2020 17:02

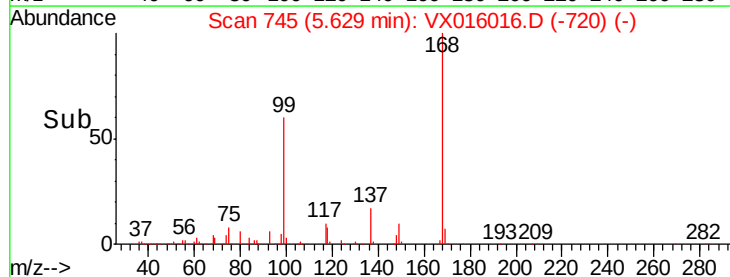
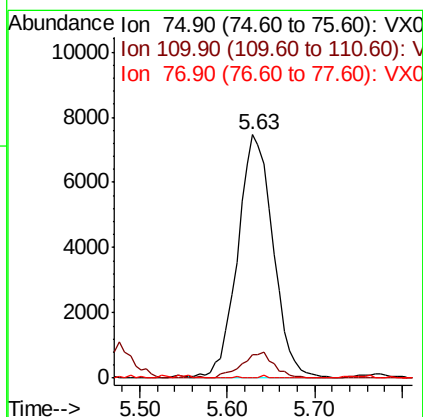
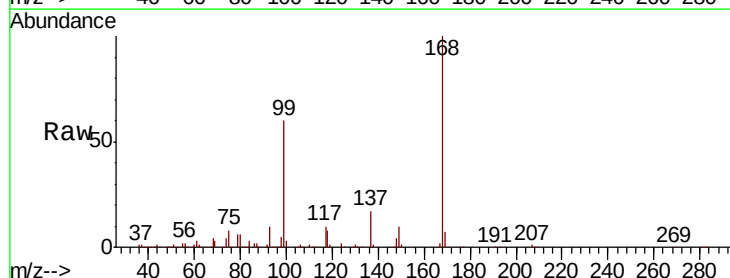
Instrument :
 MSVOA_X
 ClientSampleId :

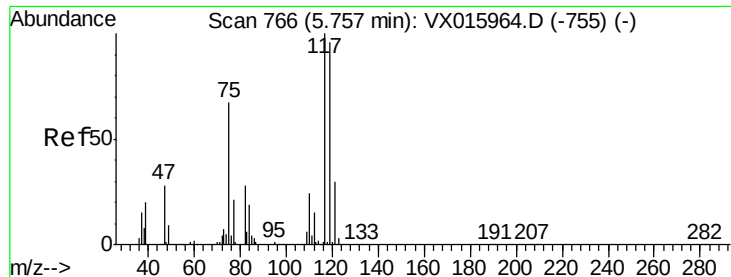
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.0	81.8	122.8
192	20.7	16.8	25.2



#36
 1,1-Dichloropropene
 Concen: 4.988 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.15 min
 Lab File: VX016016.D
 Acq: 01 May 2020 17:02

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.6	17.9	53.7#
77	0.1	25.2	37.8#





#38

Carbon Tetrachloride

Concen: 5.991 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.13 min

Lab File: VX016016.D

Acq: 01 May 2020 17:02

Instrument :

MSVOA_X

ClientSampleId :

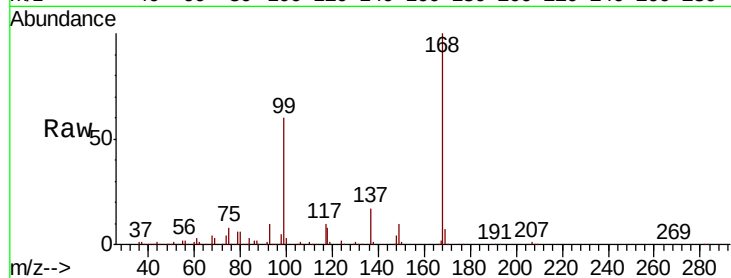
Tot Ion:117 Resp: 26688

Ion Ratio Lower Upper

117 100

119 6.0 76.2 114.4#

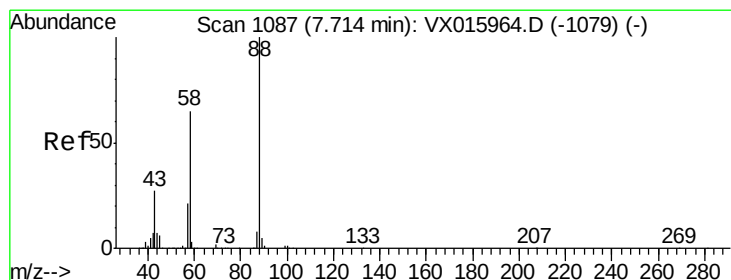
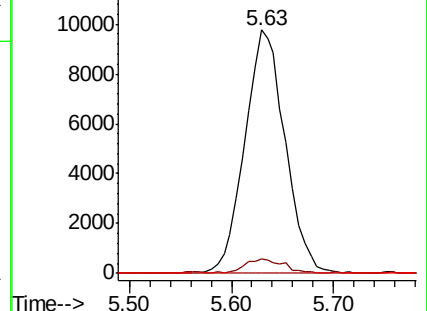
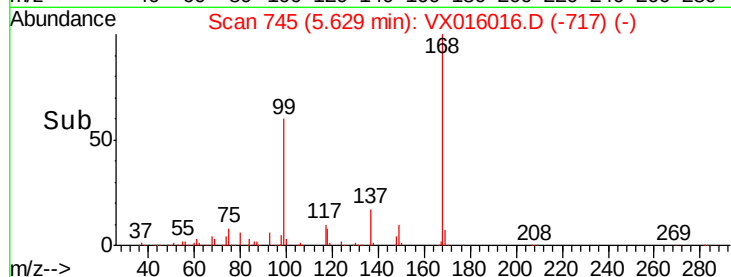
121 0.0 24.2 36.4#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#49

1,4-Dioxane

Concen: 0.230 ug/l

RT: 7.64 min Scan# 1075

Delta R.T. -0.07 min

Lab File: VX016016.D

Acq: 01 May 2020 17:02

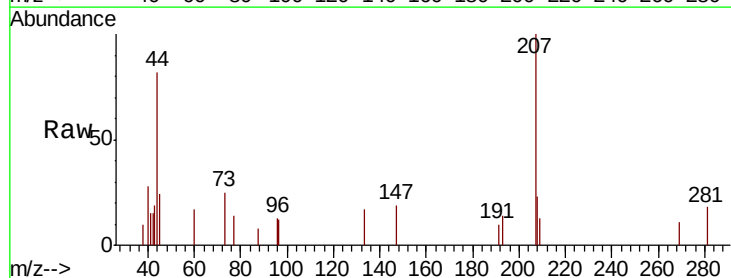
Tgt Ion: 88 Resp: 20

Ion Ratio Lower Upper

88 100

43 375.0 26.6 39.8#

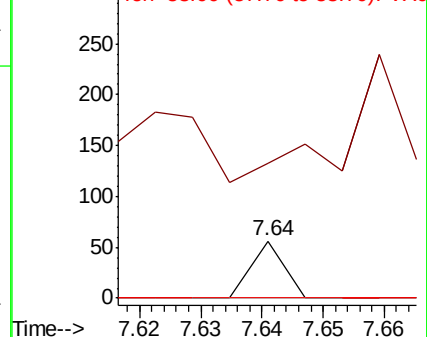
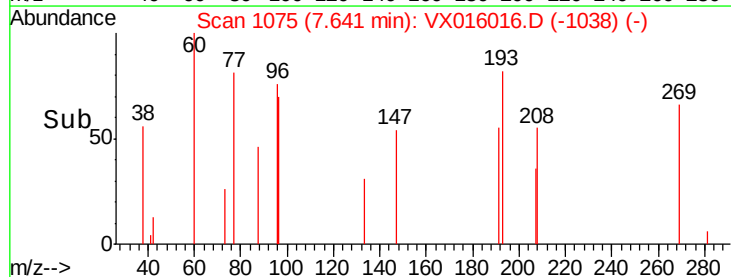
58 0.0 54.8 82.2#

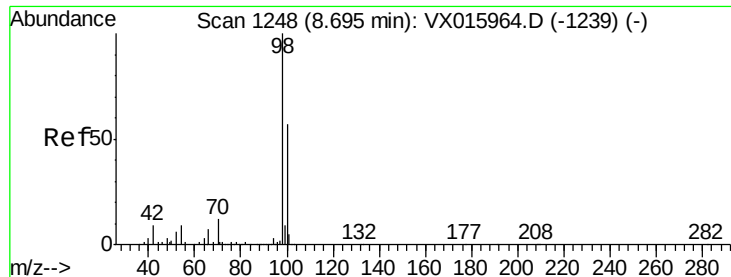


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

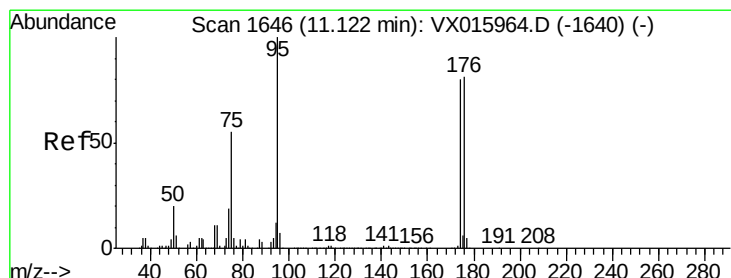
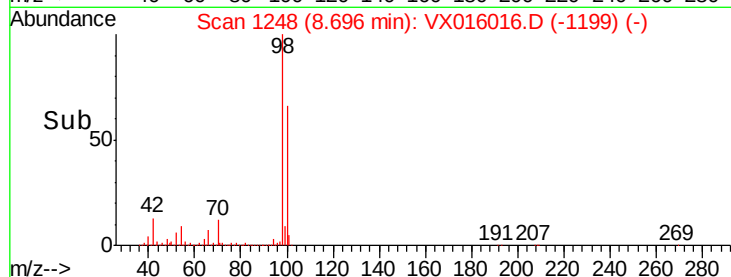
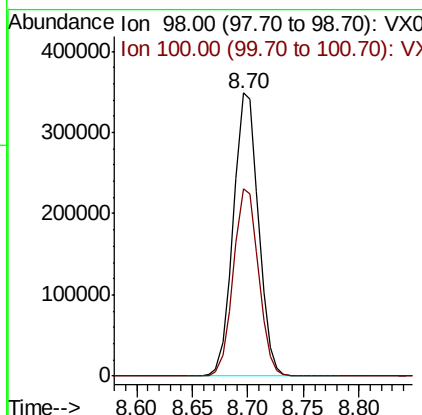
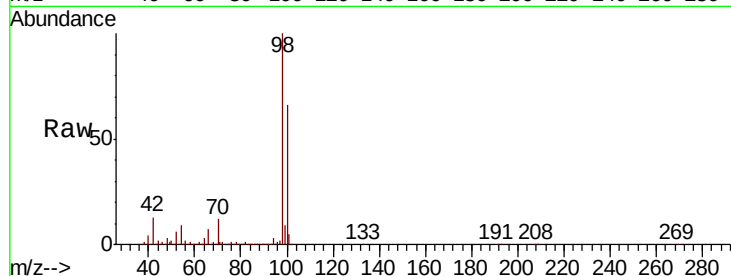




#50
Toluene-d8
Concen: 52.804 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VX016016.D
Acq: 01 May 2020 17:02

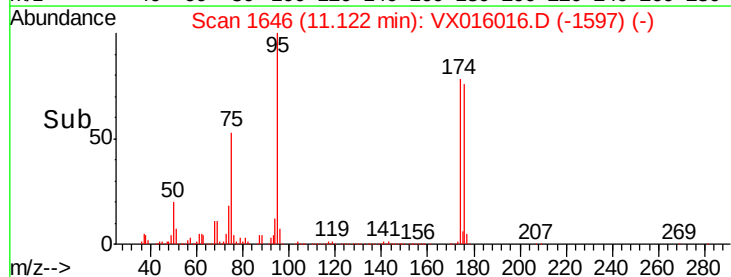
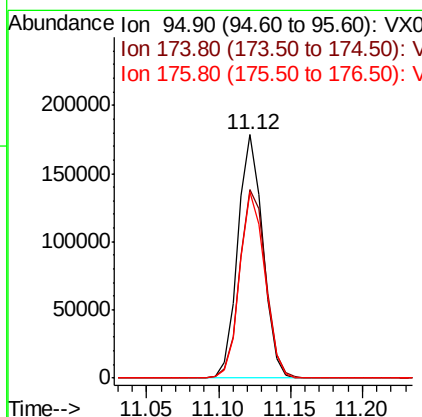
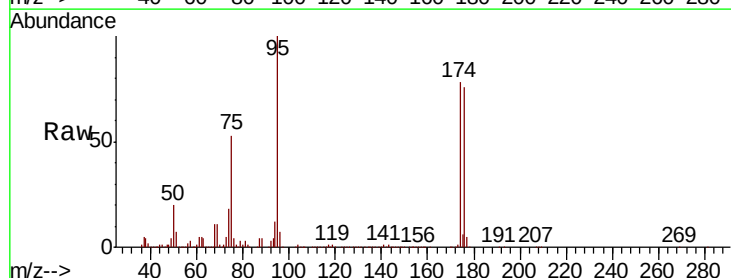
Instrument :
MSVOA_X
ClientSampleId :

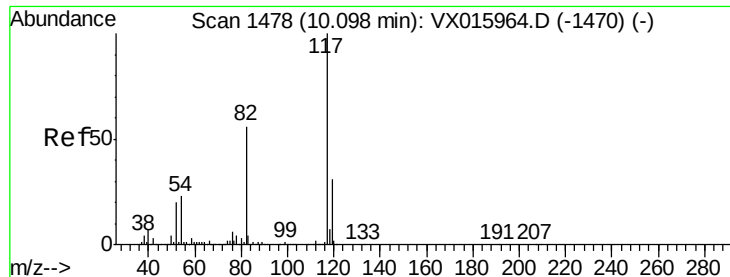
Tot Ion: 98 Resp: 545341
Ion Ratio Lower Upper
98 100
100 66.3 53.1 79.7



#62
4-Bromofluorobenzene
Concen: 53.359 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. 0.00 min
Lab File: VX016016.D
Acq: 01 May 2020 17:02

Tgt Ion: 95 Resp: 216137
Ion Ratio Lower Upper
95 100
174 80.3 0.0 165.0
176 77.1 0.0 163.2

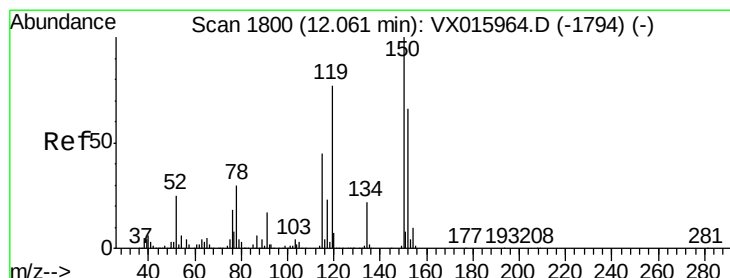
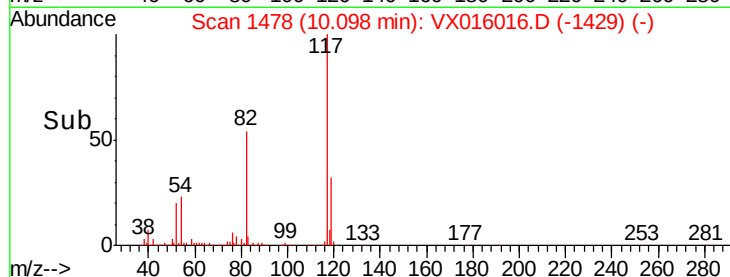
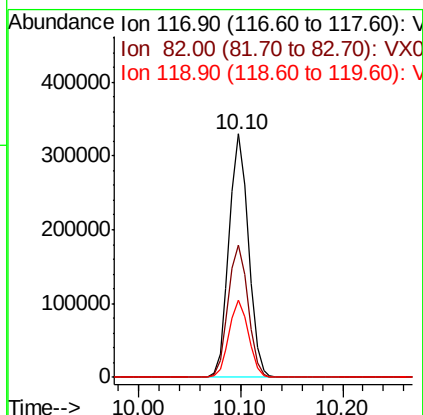
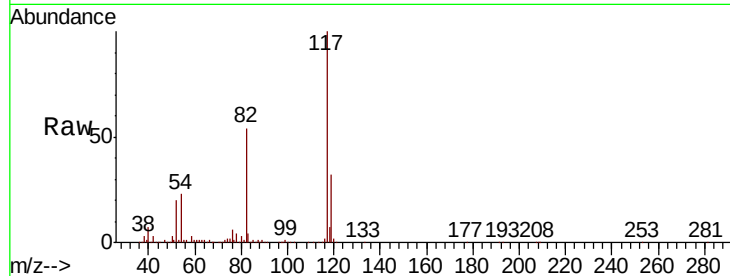




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VX016016.D
Acq: 01 May 2020 17:02

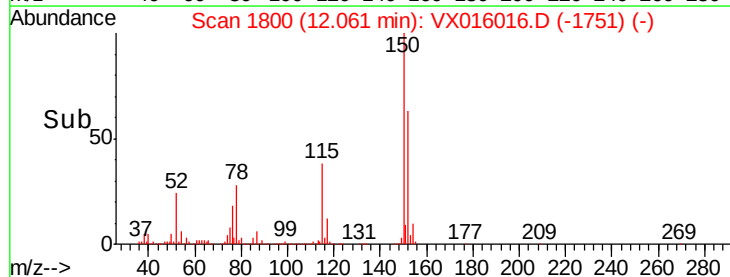
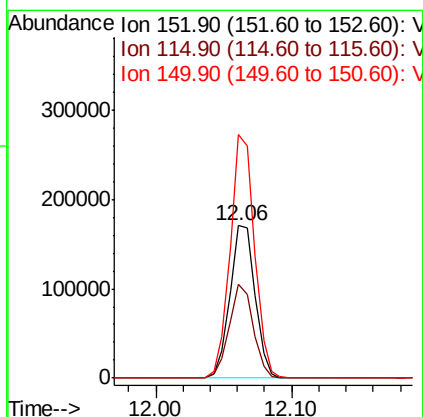
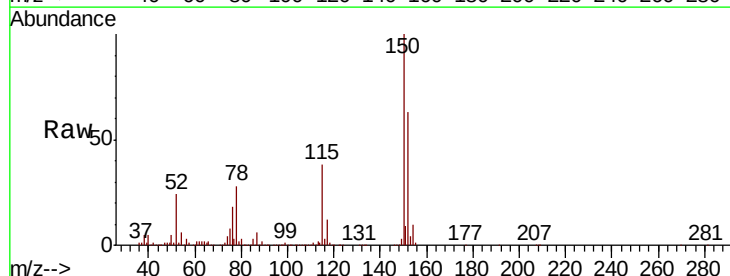
Instrument :
MSVOA_X
ClientSampled :

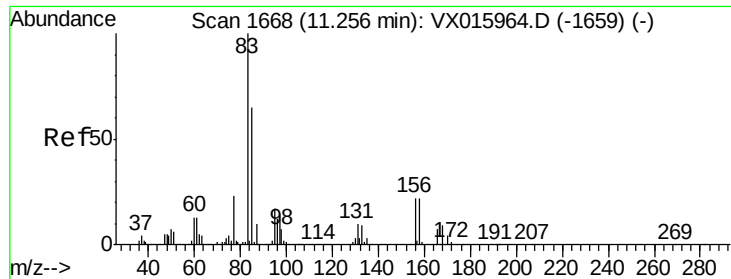
Tot Ion:117 Resp: 433850
Ion Ratio Lower Upper
117 100
82 54.2 44.5 66.7
119 31.8 25.0 37.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. 0.00 min
Lab File: VX016016.D
Acq: 01 May 2020 17:02

Tgt Ion:152 Resp: 219188
Ion Ratio Lower Upper
152 100
115 58.9 40.9 122.7
150 154.5 0.0 342.4





#75

1,1,2,2-Tetrachloroethane

Concen: 3.772 ug/l

RT: 11.12 min Scan# 1645

Delta R.T. -0.14 min

Lab File: VX016016.D

Acq: 01 May 2020 17:02

Instrument :

MSVOA_X

ClientSampleId :

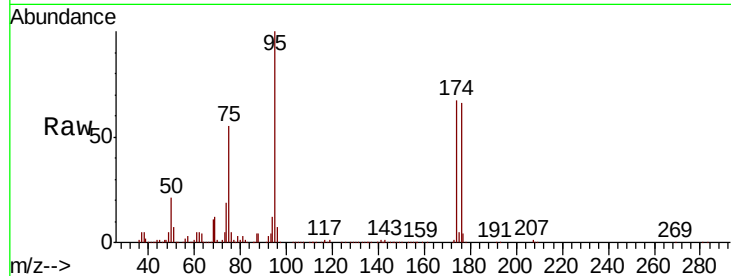
Tot Ion: 83 Resp: 267

Ion Ratio Lower Upper

83 100

131 137.5 5.1 15.4#

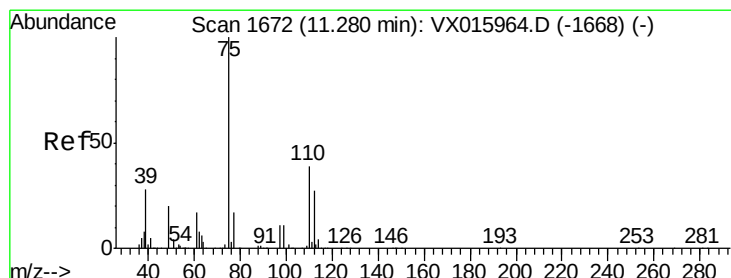
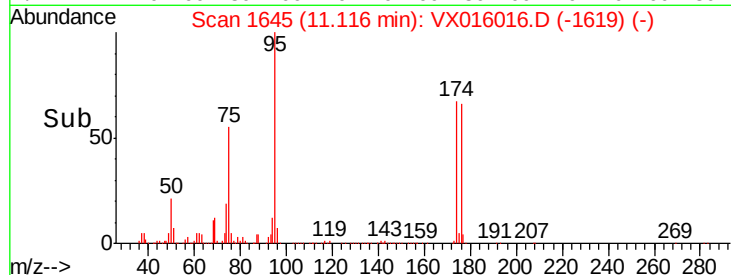
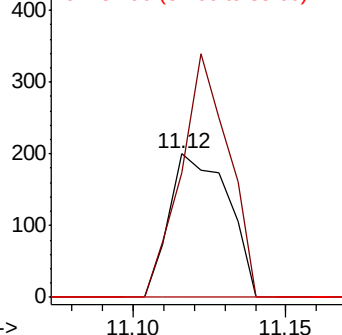
85 0.0 32.2 96.6#



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: 24.901 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016016.D

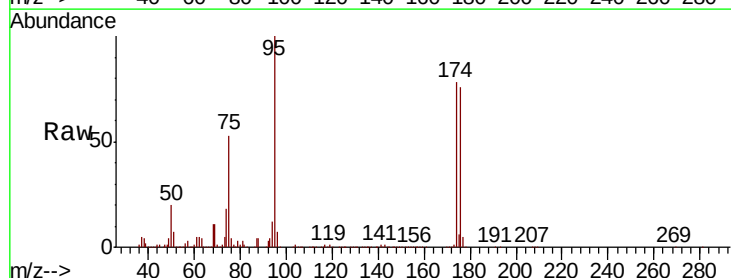
Acq: 01 May 2020 17:02

Tgt Ion: 75 Resp: 114529

Ion Ratio Lower Upper

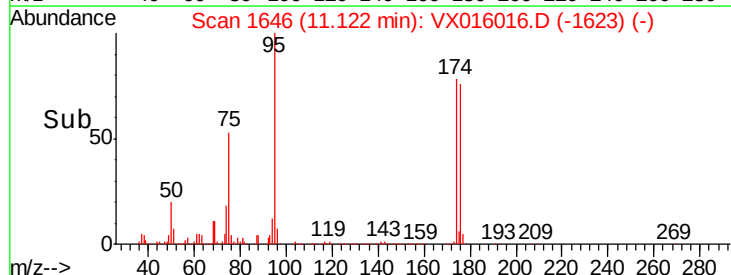
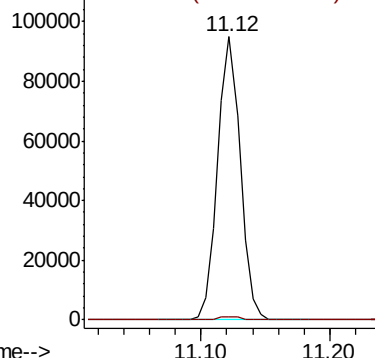
75 100

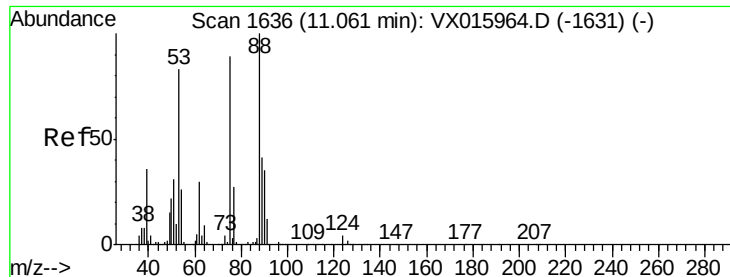
77 1.3 21.6 65.0#



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: 58.846 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX016016.D

Acq: 01 May 2020 17:02

Instrument :

MSVOA_X

ClientSampleId :

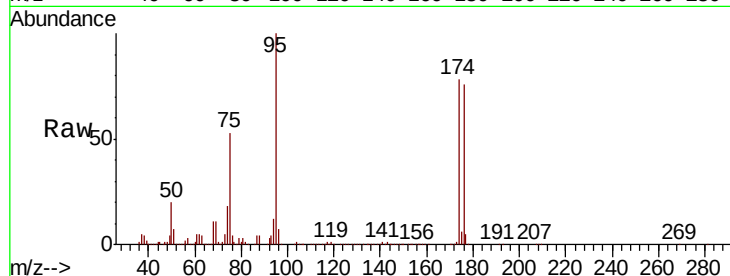
Tot Ion: 75 Resp: 114529

Ion Ratio Lower Upper

75 100

53 0.1 78.3 117.5#

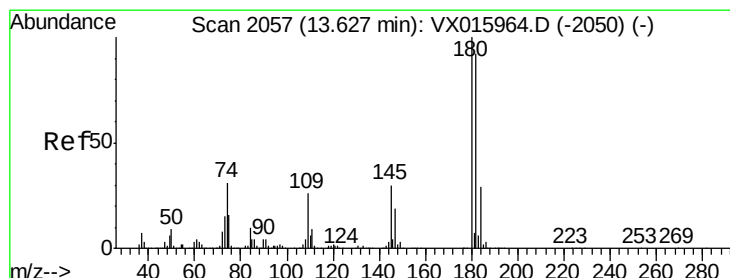
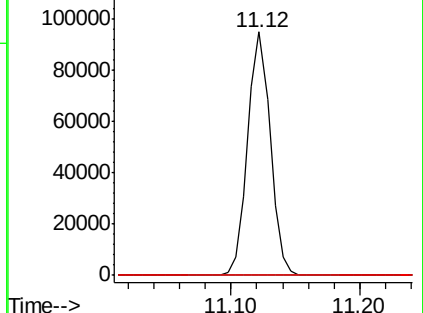
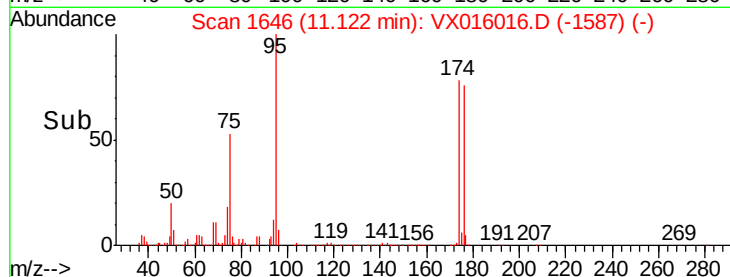
89 0.0 37.2 55.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#93

1,2,4-Trichlorobenzene

Concen: 0.240 ug/l

RT: 13.63 min Scan# 2058

Delta R.T. 0.01 min

Lab File: VX016016.D

Acq: 01 May 2020 17:02

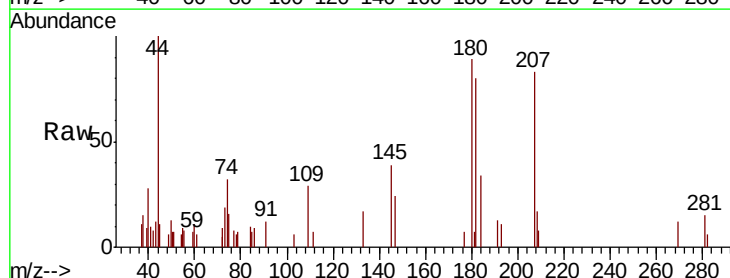
Tgt Ion: 180 Resp: 1207

Ion Ratio Lower Upper

180 100

182 94.9 46.9 140.6

145 32.1 14.7 44.1



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V

