

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX060420\
 Data File : VX016588.D
 Acq On : 04 Jun 2020 17:53
 Operator : JC/SP
 Sample : L2894-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 05 04:23:18 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X052720W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 27 16:31:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	230225	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	371667	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	375889	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	191248	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	136936	47.89	ug/l	0.00
Spiked Amount			Recovery	=	95.78%	
35) Dibromofluoromethane	5.47	113	113222	49.47	ug/l	0.00
Spiked Amount			Recovery	=	98.94%	
50) Toluene-d8	8.70	98	458677	51.49	ug/l	0.00
Spiked Amount			Recovery	=	102.98%	
62) 4-Bromofluorobenzene	11.12	95	189654	55.10	ug/l	0.00
Spiked Amount			Recovery	=	110.20%	

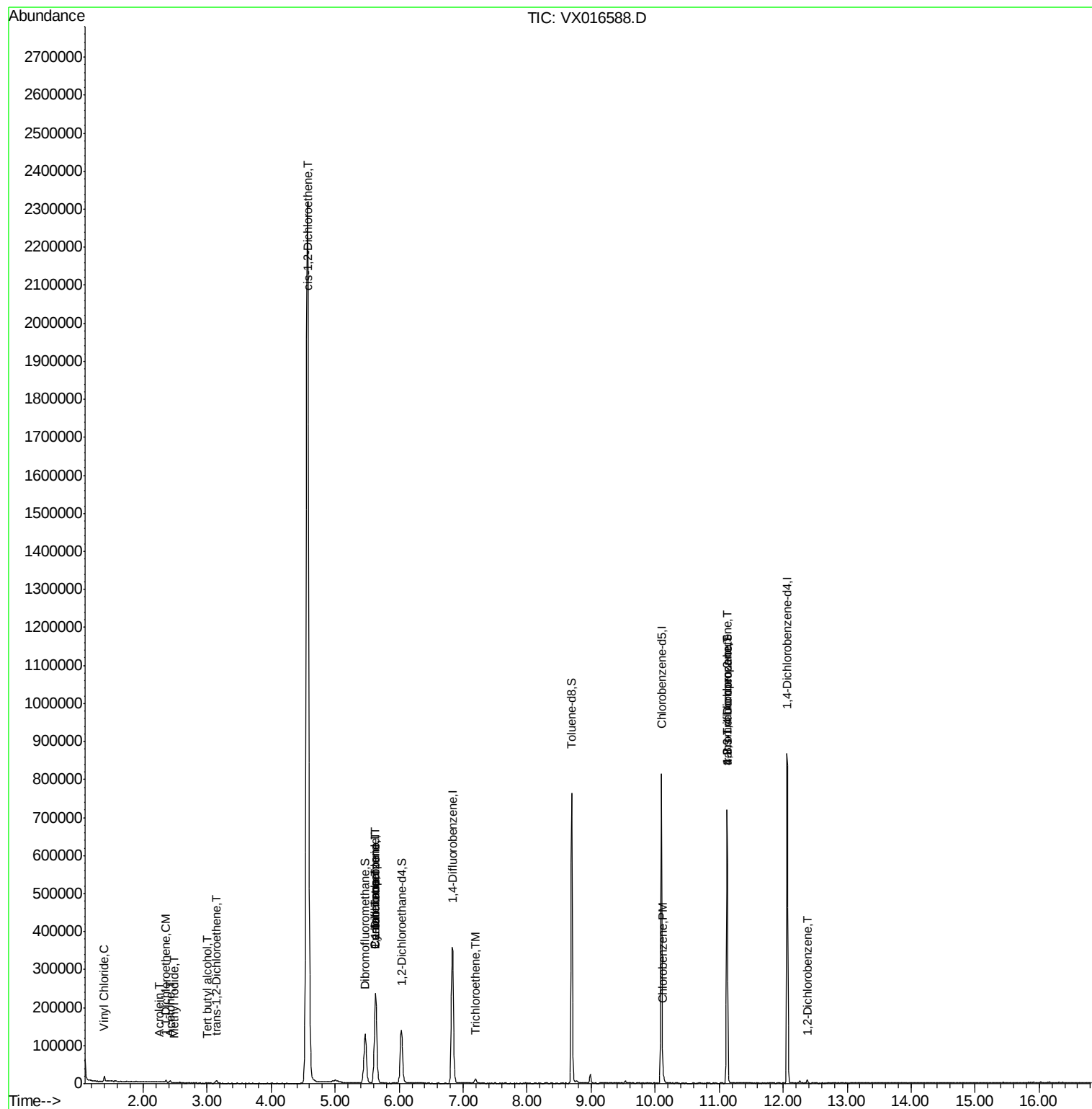
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.39	62	8534	2.947	ug/l	100
10) Methyl Iodide	2.50	142	65	3.080	ug/l #	40
11) Tert butyl alcohol	3.00	59	295	0.402	ug/l #	72
12) 1,1-Dichloroethene	2.35	96	2494	1.126	ug/l	98
13) Acrolein	2.26	56	354	1.135	ug/l #	51
16) Acetone	2.42	43	4608	3.679	ug/l #	88
21) trans-1,2-Dichloroethene	3.15	96	3120	1.273	ug/l	83
27) cis-1,2-Dichloroethene	4.57	96	1540429	543.417	ug/l	89
31) Cyclohexane	5.63	56	4041	1.017	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	16327	4.640	ug/l #	52
38) Carbon Tetrachloride	5.63	117	22577	6.105	ug/l #	16
44) Trichloroethene	7.20	130	3984	1.198	ug/l	90
65) Chlorobenzene	10.12	112	6959	0.908	ug/l	93
76) 1,2,3-Trichloropropane	11.12	75	91737	21.823	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	91737	53.681	ug/l #	14
91) 1,2-Dichlorobenzene	12.38	146	2857	0.490	ug/l	96

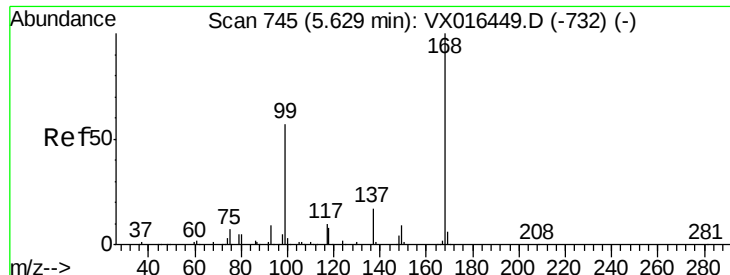
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed May 27 16:31:05 2020
Response via : Initial Calibration

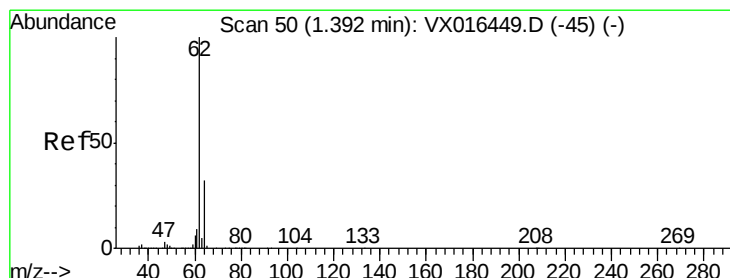
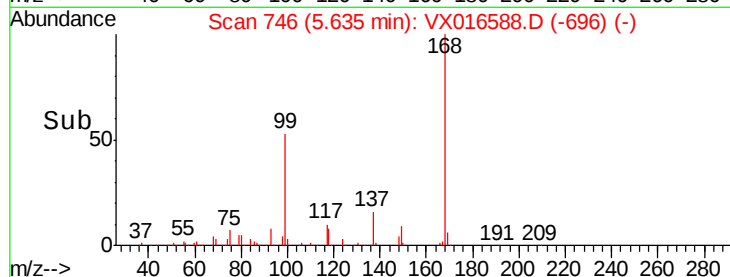
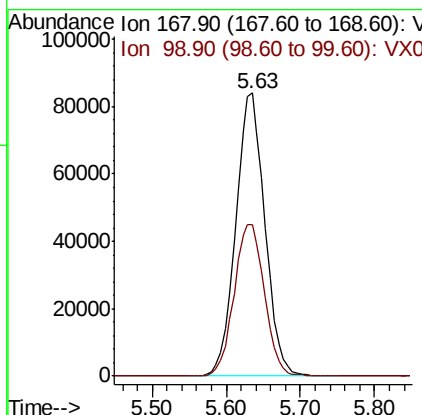
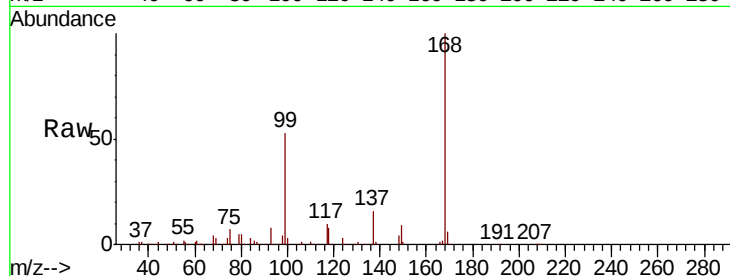




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.63 min Scan# 746
Delta R.T. 0.01 min
Lab File: VX016588.D
Acq: 04 Jun 2020 17:53

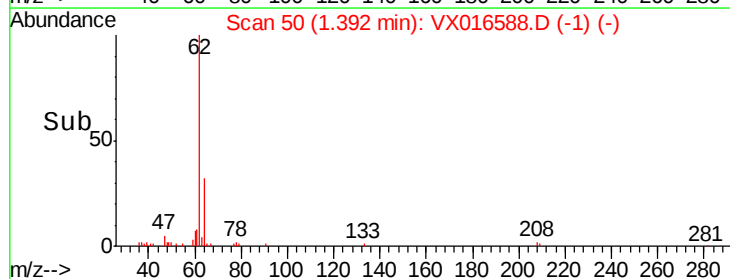
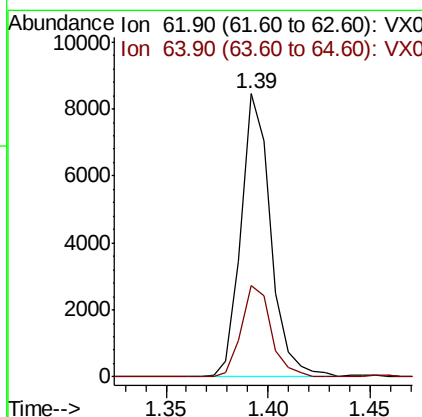
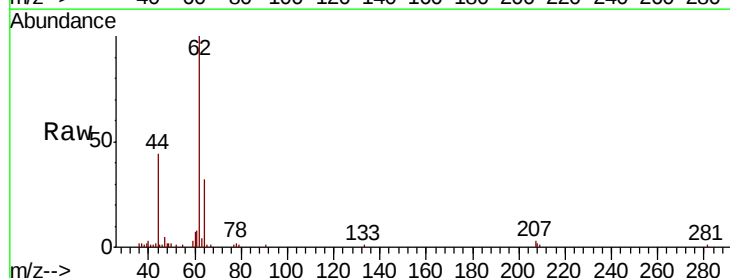
Instrument :
MSVOA_X
ClientSampleId :

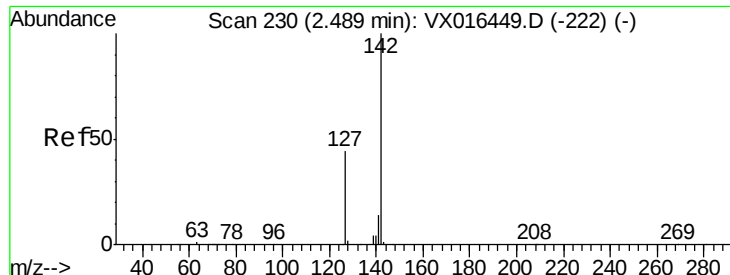
Tot Ion:168 Resp: 230225
Ion Ratio Lower Upper
168 100
99 53.3 45.2 67.8



#4
Vinyl Chloride
Concen: 2.947 ug/l
RT: 1.39 min Scan# 50
Delta R.T. -0.00 min
Lab File: VX016588.D
Acq: 04 Jun 2020 17:53

Tgt Ion: 62 Resp: 8534
Ion Ratio Lower Upper
62 100
64 32.3 25.9 38.9

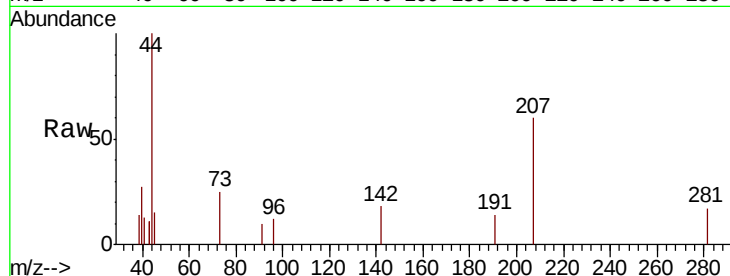




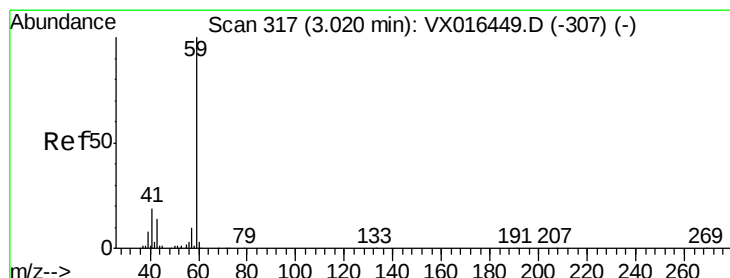
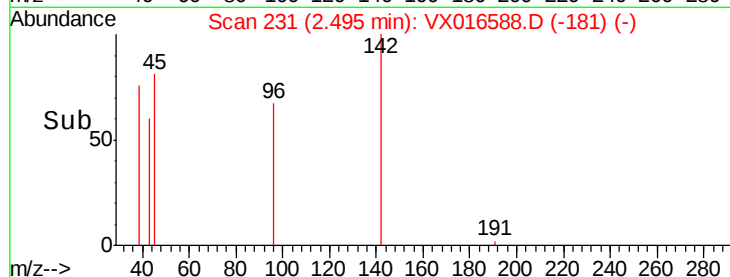
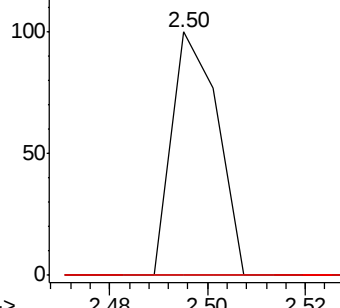
#10
Methyl Iodide
Concen: 3.080 ug/l
RT: 2.50 min Scan# 231
Delta R.T. 0.01 min
Lab File: VX016588.D
Acq: 04 Jun 2020 17:53

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:142 Resp: 65
Ion Ratio Lower Upper
142 100
127 0.0 35.3 52.9#
141 0.0 11.4 17.2#

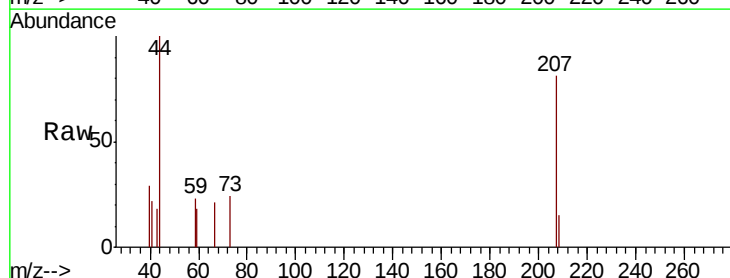


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

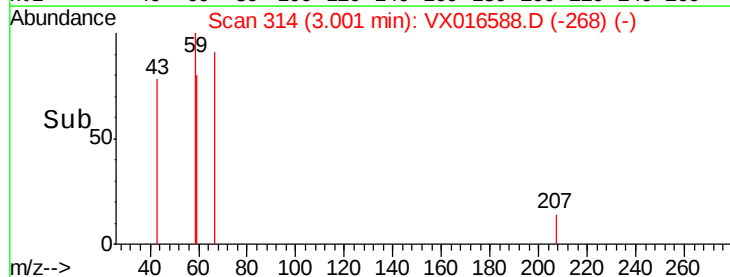
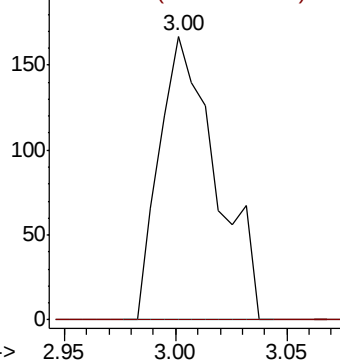


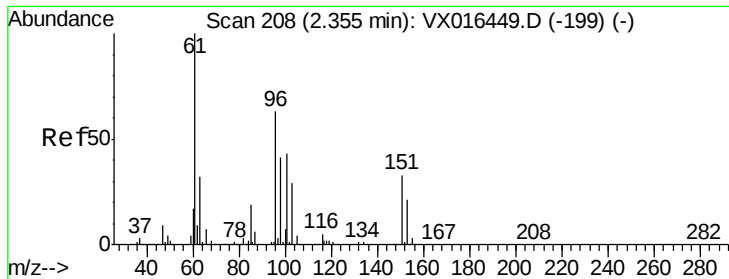
#11
Tert butyl alcohol
Concen: 0.402 ug/l
RT: 3.00 min Scan# 314
Delta R.T. -0.02 min
Lab File: VX016588.D
Acq: 04 Jun 2020 17:53

Tgt Ion: 59 Resp: 295
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





#12

1,1-Dichloroethene

Concen: 1.126 ug/l

RT: 2.35 min Scan# 208

Delta R.T. -0.00 min

Lab File: VX016588.D

Acq: 04 Jun 2020 17:53

Instrument :

MSVOA_X

ClientSampleId :

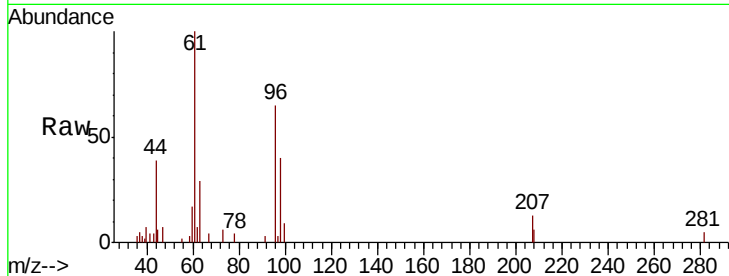
Tot Ion: 96 Resp: 2494

Ion Ratio Lower Upper

96 100

61 155.0 126.6 189.8

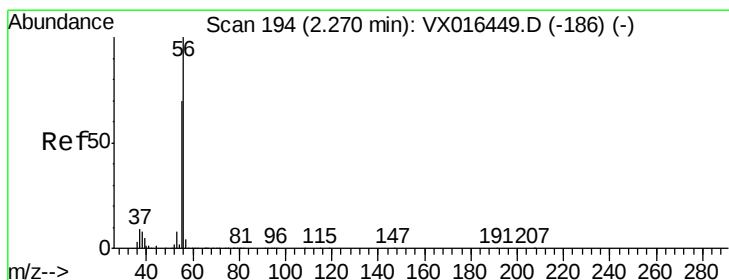
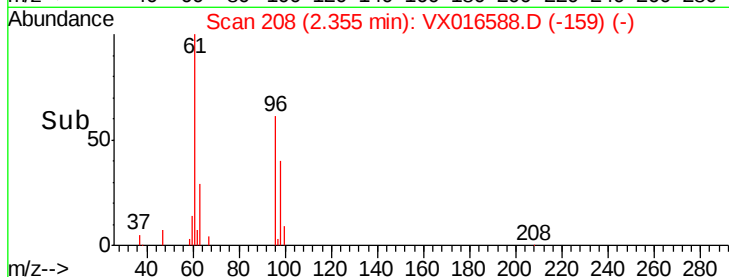
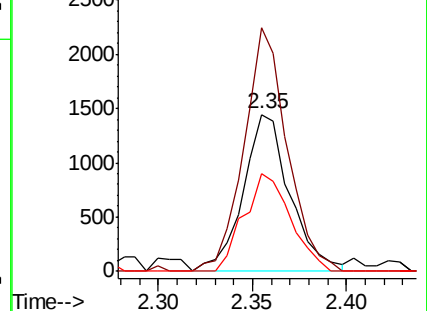
98 62.2 51.3 76.9



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



#13

Acrolein

Concen: 1.135 ug/l

RT: 2.26 min Scan# 193

Delta R.T. -0.01 min

Lab File: VX016588.D

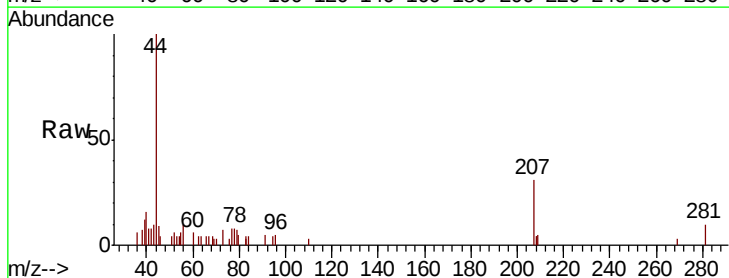
Acq: 04 Jun 2020 17:53

Tgt Ion: 56 Resp: 354

Ion Ratio Lower Upper

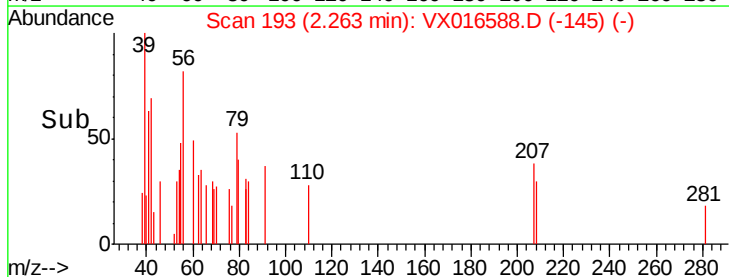
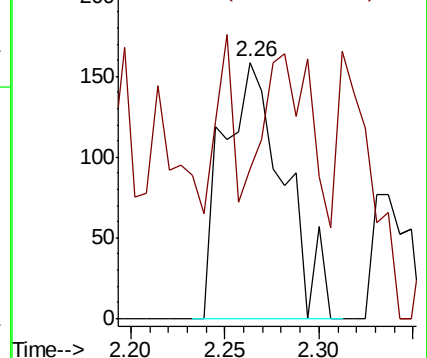
56 100

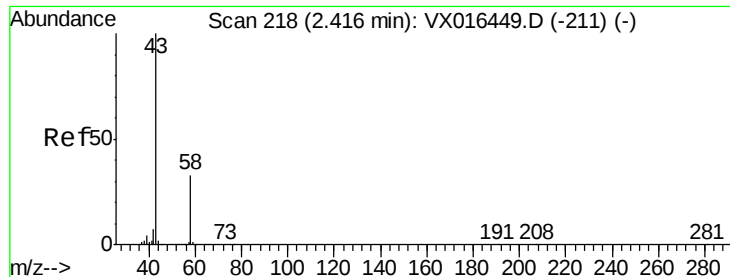
55 32.2 58.3 87.5#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

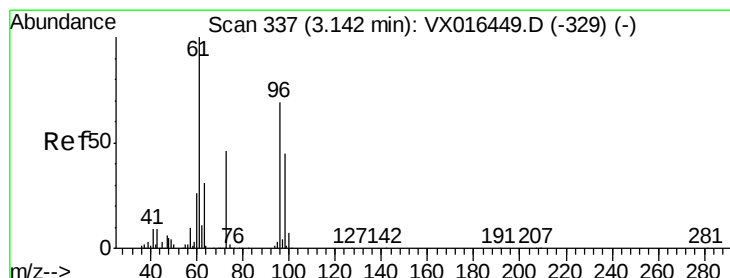
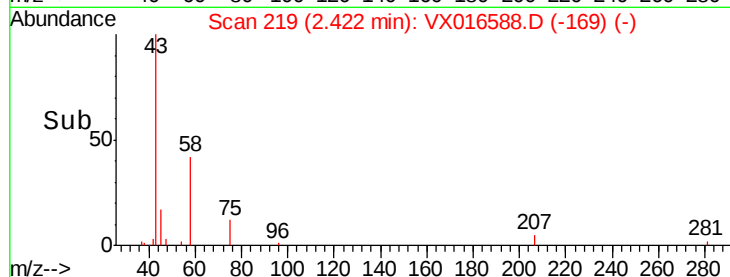
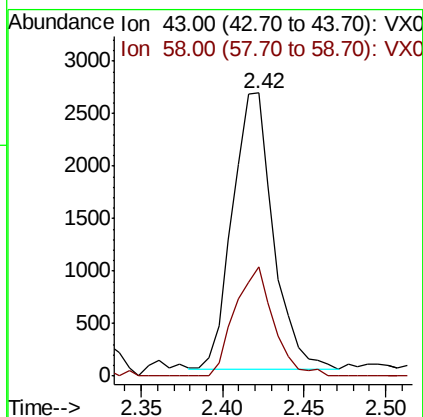
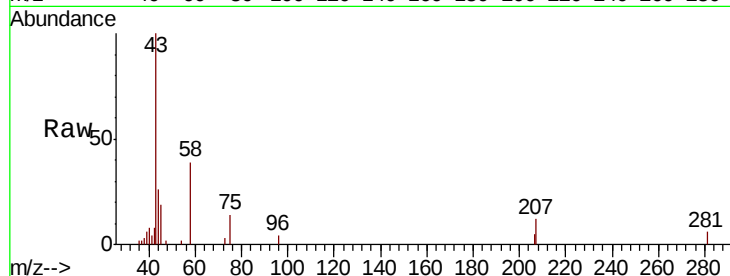




#16
Acetone
Concen: 3.679 ug/l
RT: 2.42 min Scan# 219
Delta R.T. 0.01 min
Lab File: VX016588.D
Acq: 04 Jun 2020 17:53

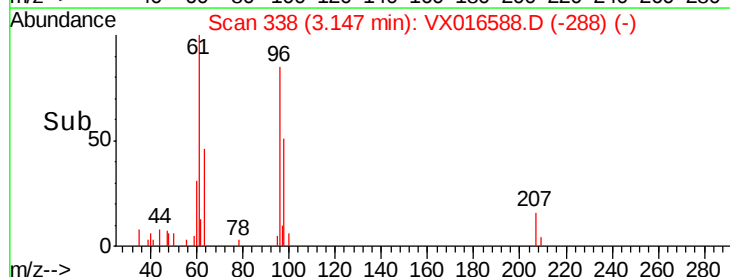
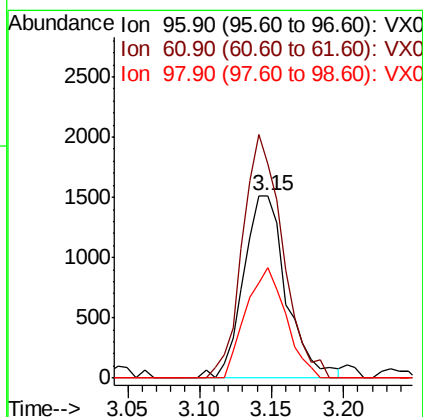
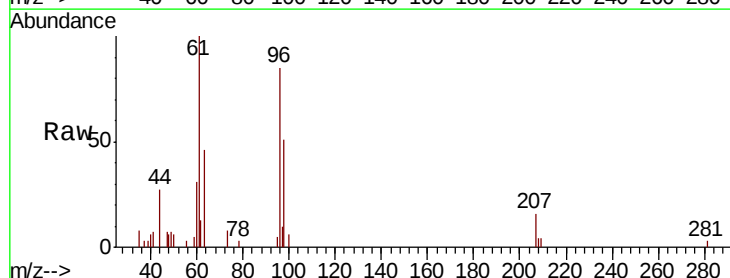
Instrument :
MSVOA_X
ClientSampleId :

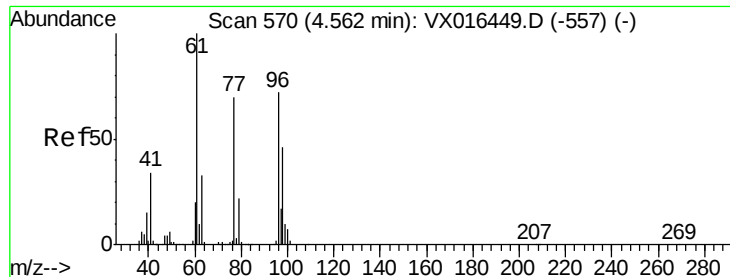
Tot Ion: 43 Resp: 4608
Ion Ratio Lower Upper
43 100
58 39.5 26.1 39.1#



#21
trans-1,2-Dichloroethene
Concen: 1.273 ug/l
RT: 3.15 min Scan# 338
Delta R.T. 0.01 min
Lab File: VX016588.D
Acq: 04 Jun 2020 17:53

Tgt Ion: 96 Resp: 3120
Ion Ratio Lower Upper
96 100
61 117.4 115.3 172.9
98 60.2 51.9 77.9



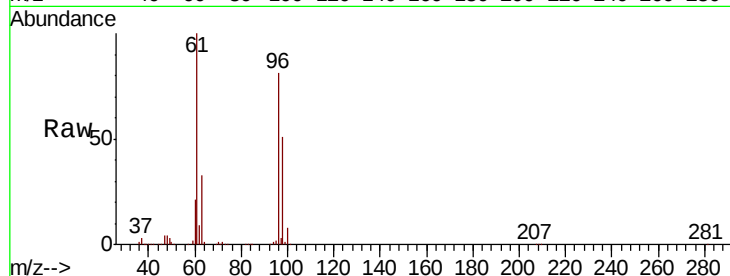


#27

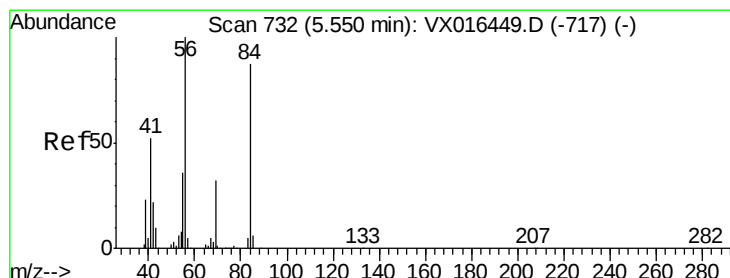
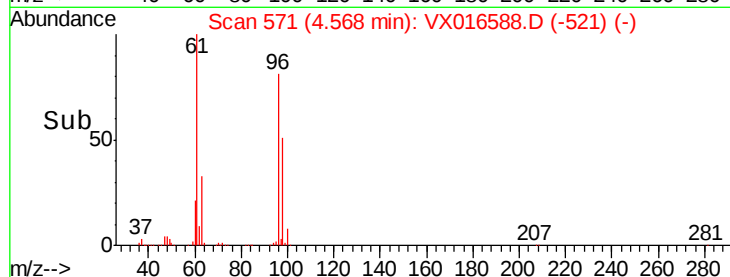
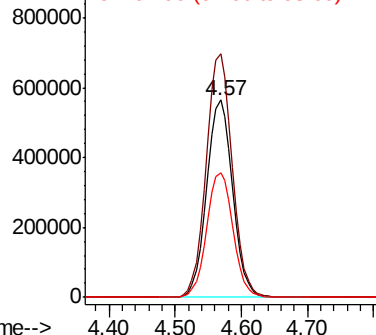
cis-1,2-Dichloroethene
 Concen: 543.417 ug/l
 RT: 4.57 min Scan# 571
 Delta R.T. 0.01 min
 Lab File: VX016588.D
 Acq: 04 Jun 2020 17:53

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion: 96 Resp: 1540429
 Ion Ratio Lower Upper
 96 100
 61 123.8 0.0 284.6
 98 64.3 0.0 127.2



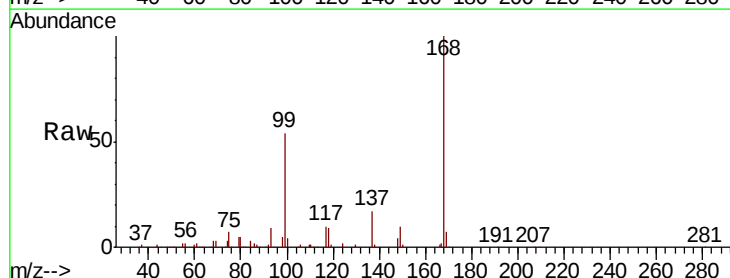
Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0



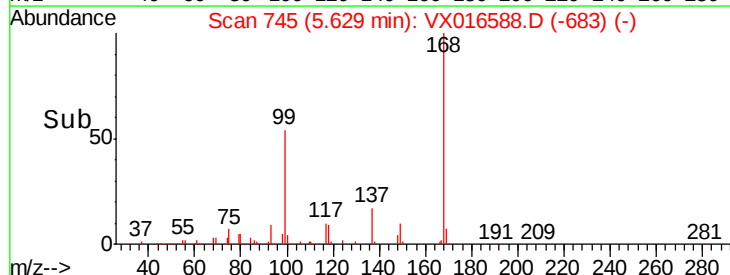
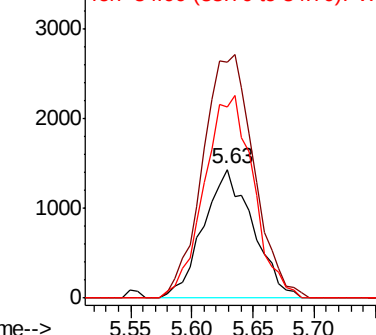
#31

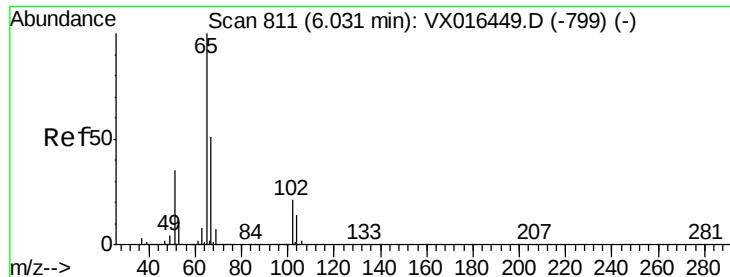
Cyclohexane
 Concen: 1.017 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. 0.08 min
 Lab File: VX016588.D
 Acq: 04 Jun 2020 17:53

Tgt Ion: 56 Resp: 4041
 Ion Ratio Lower Upper
 56 100
 69 182.9 25.7 38.5#
 84 148.5 70.0 105.0#



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

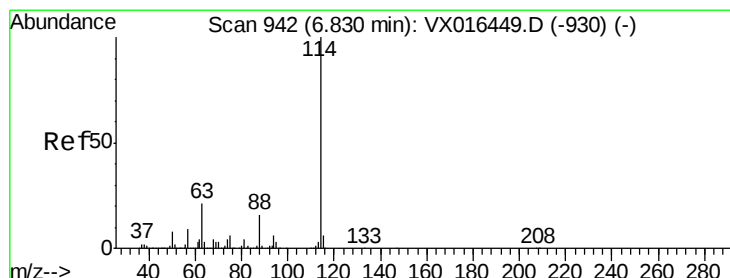
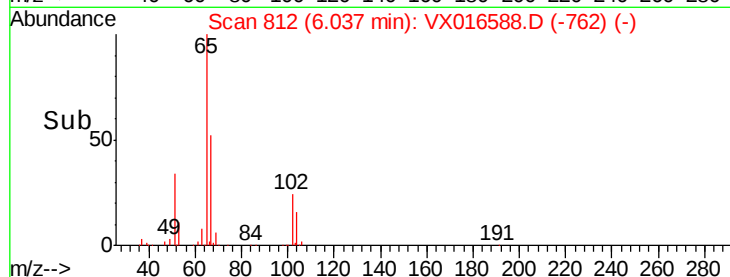
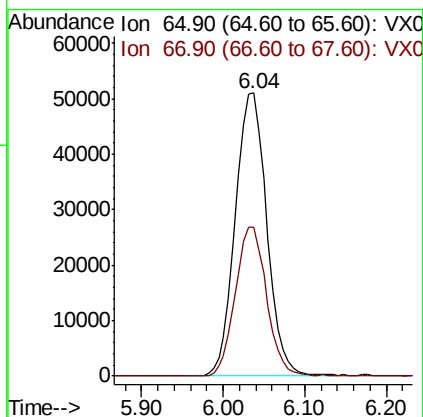
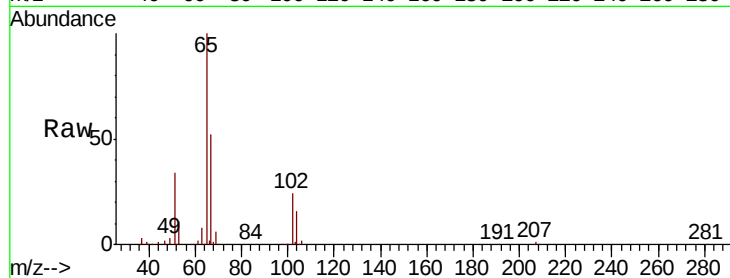




#33
 1,2-Dichloroethane-d4
 Concen: 47.895 ug/l
 RT: 6.04 min Scan# 812
 Delta R.T. 0.01 min
 Lab File: VX016588.D
 Acq: 04 Jun 2020 17:53

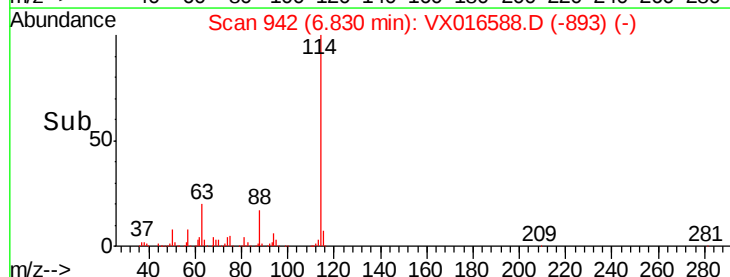
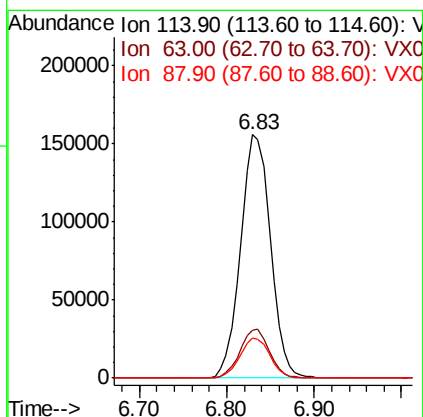
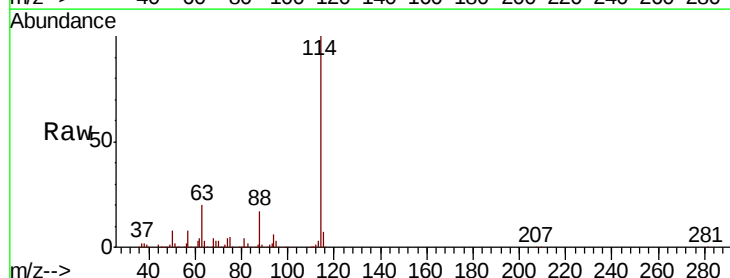
Instrument :
 MSVOA_X
 ClientSampleId :

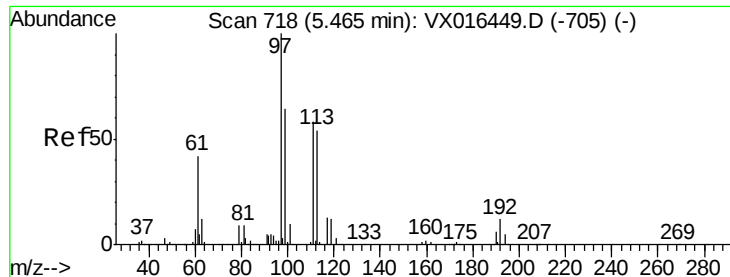
Tot Ion: 65 Resp: 136936
 Ion Ratio Lower Upper
 65 100
 67 52.0 0.0 104.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. -0.00 min
 Lab File: VX016588.D
 Acq: 04 Jun 2020 17:53

Tgt Ion: 114 Resp: 371667
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 42.6
 88 16.5 0.0 32.8

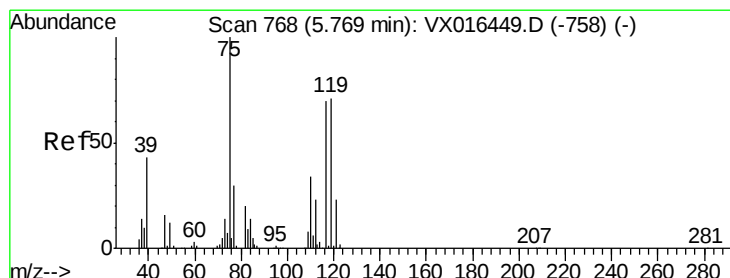
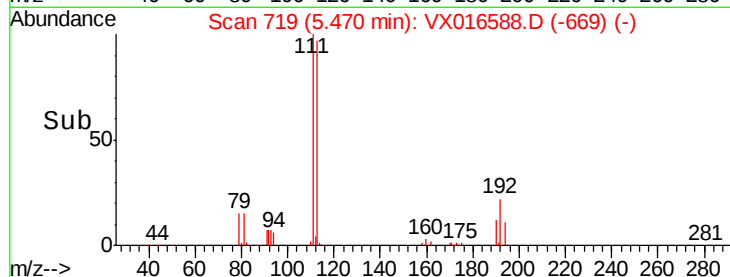
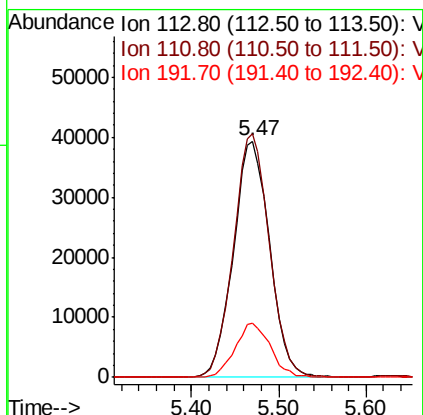
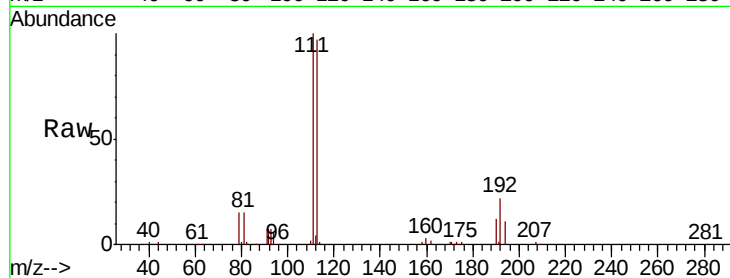




#35
Dibromofluoromethane
Concen: 49.474 ug/l
RT: 5.47 min Scan# 719
Delta R.T. 0.01 min
Lab File: VX016588.D
Acq: 04 Jun 2020 17:53

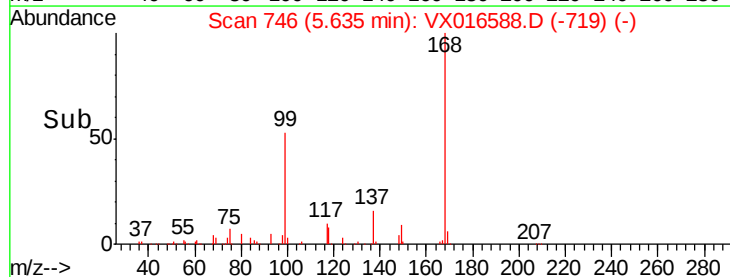
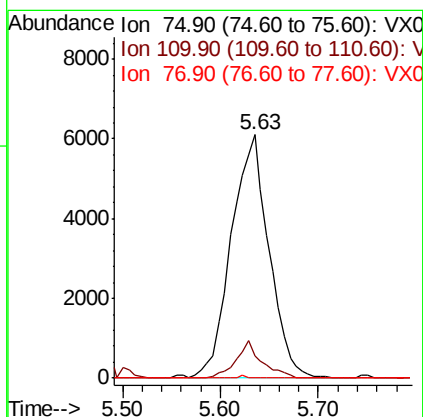
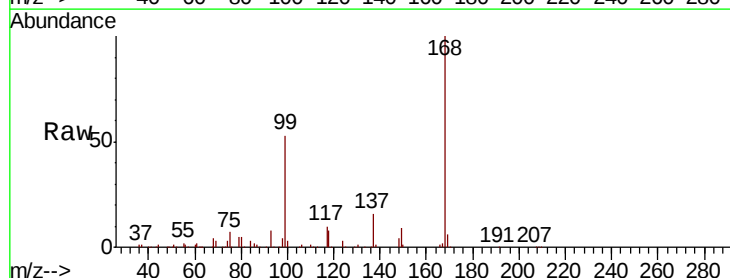
Instrument :
MSVOA_X
ClientSampleId :

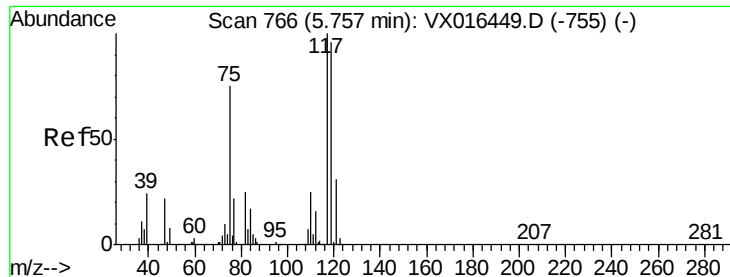
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.2	83.0	124.6
192	22.3	17.7	26.5



#36
1,1-Dichloropropene
Concen: 4.640 ug/l
RT: 5.63 min Scan# 746
Delta R.T. -0.13 min
Lab File: VX016588.D
Acq: 04 Jun 2020 17:53

Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.5	17.4	52.3#
77	0.1	24.2	36.4#

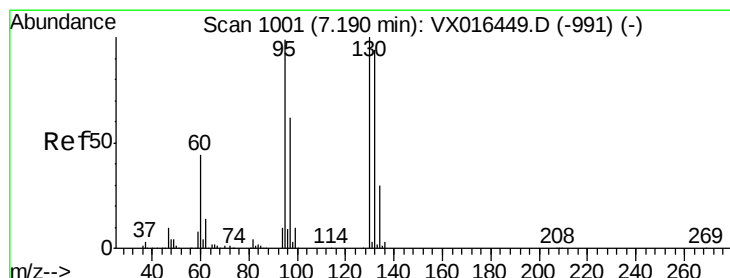
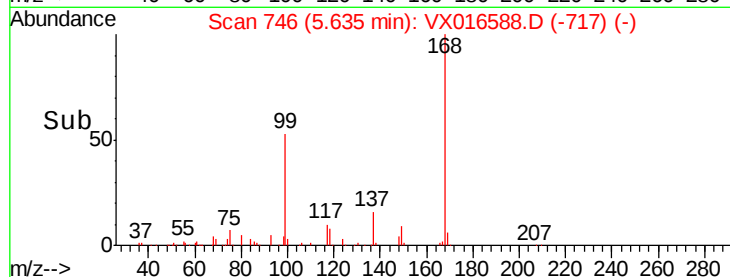
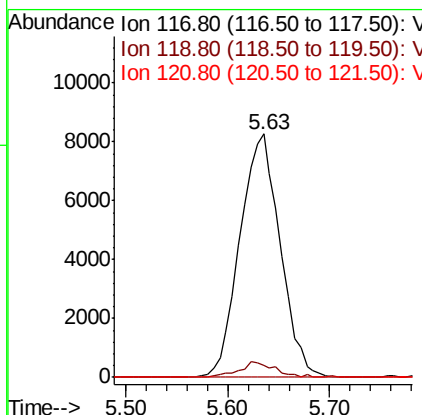
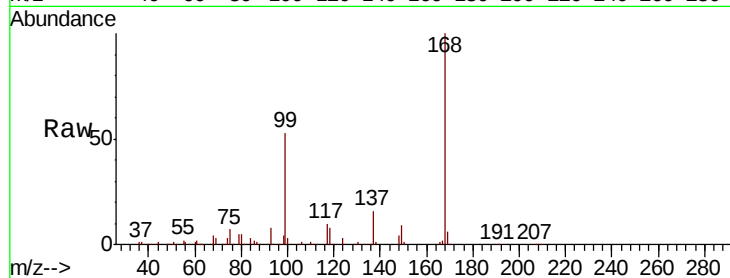




#38
Carbon Tetrachloride
Concen: 6.105 ug/l
RT: 5.63 min Scan# 746
Delta R.T. -0.12 min
Lab File: VX016588.D
Acq: 04 Jun 2020 17:53

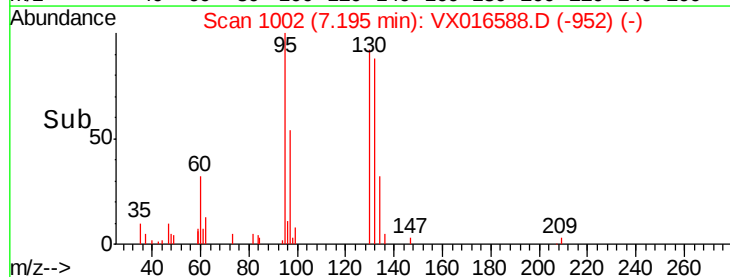
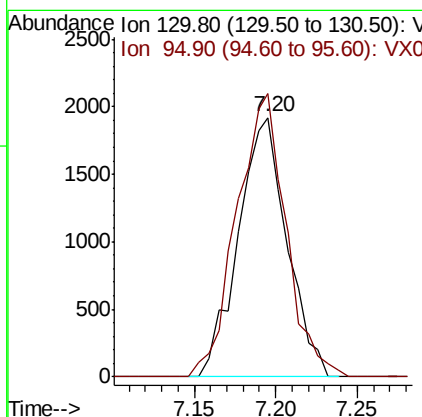
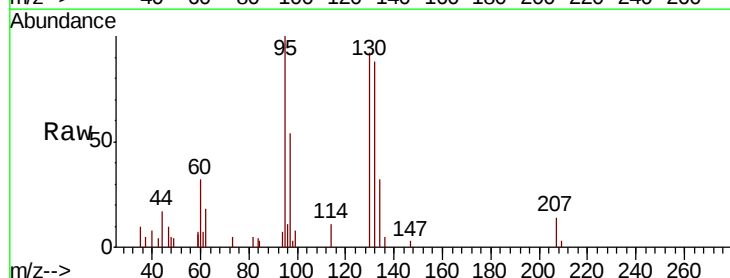
Instrument :
MSVOA_X
ClientSampled :

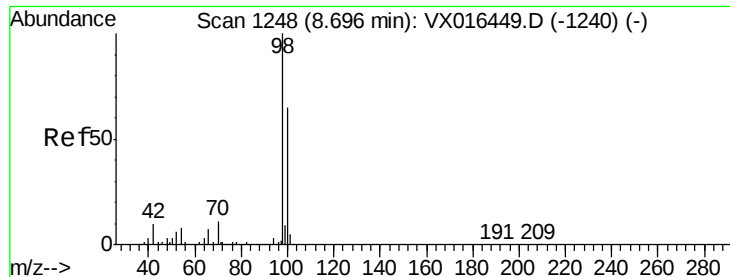
Tot Ion:117 Resp: 22577
Ion Ratio Lower Upper
117 100
119 5.0 76.3 114.5#
121 0.0 24.6 37.0#



#44
Trichloroethene
Concen: 1.198 ug/l
RT: 7.20 min Scan# 1002
Delta R.T. 0.01 min
Lab File: VX016588.D
Acq: 04 Jun 2020 17:53

Tgt Ion:130 Resp: 3984
Ion Ratio Lower Upper
130 100
95 109.1 0.0 198.2

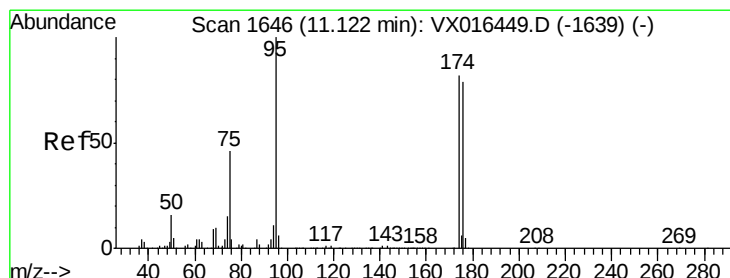
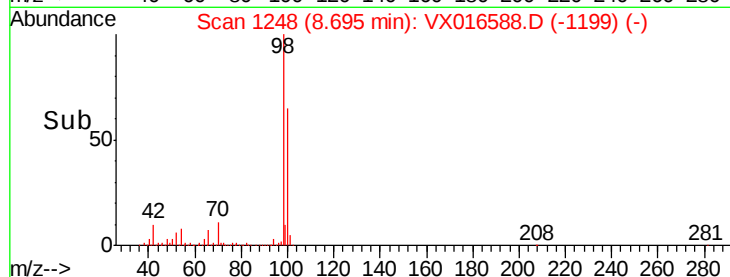
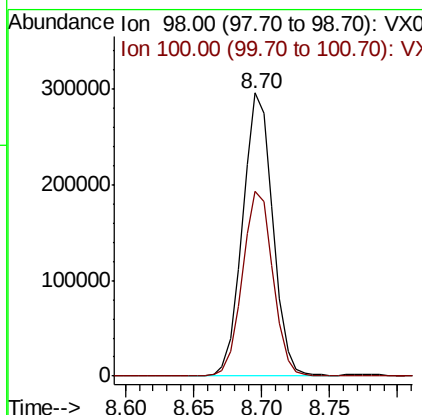
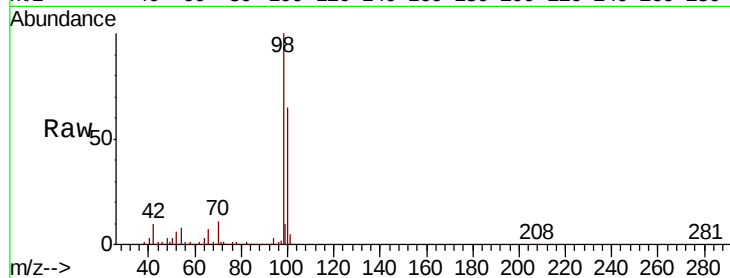




#50
Toluene-d8
Concen: 51.494 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX016588.D
Acq: 04 Jun 2020 17:53

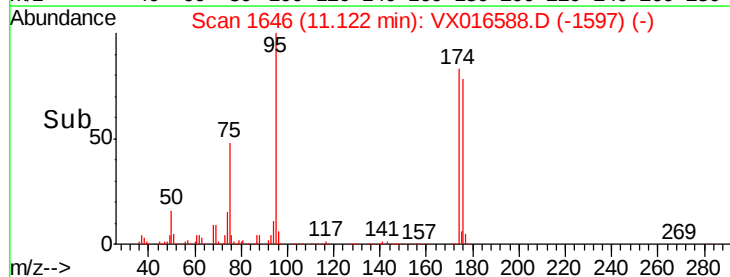
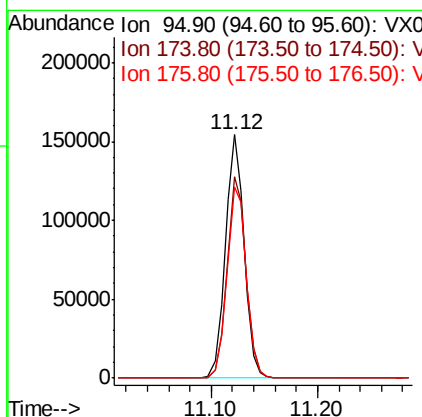
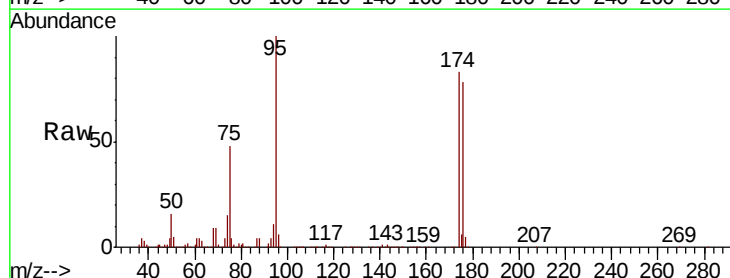
Instrument :
MSVOA_X
ClientSampleId :

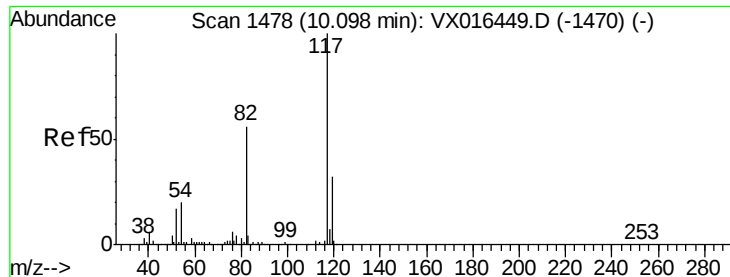
Tot Ion: 98 Resp: 458677
Ion Ratio Lower Upper
98 100
100 66.2 53.8 80.6



#62
4-Bromofluorobenzene
Concen: 55.103 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX016588.D
Acq: 04 Jun 2020 17:53

Tgt Ion: 95 Resp: 189654
Ion Ratio Lower Upper
95 100
174 83.6 0.0 163.0
176 81.3 0.0 156.8

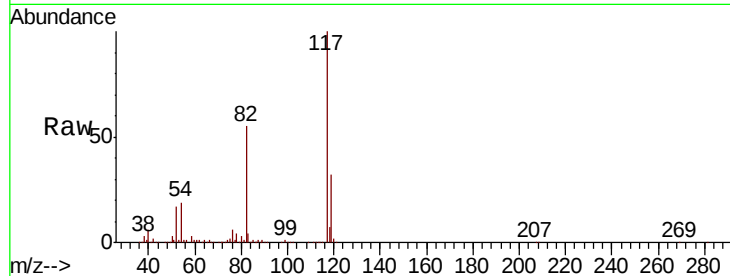




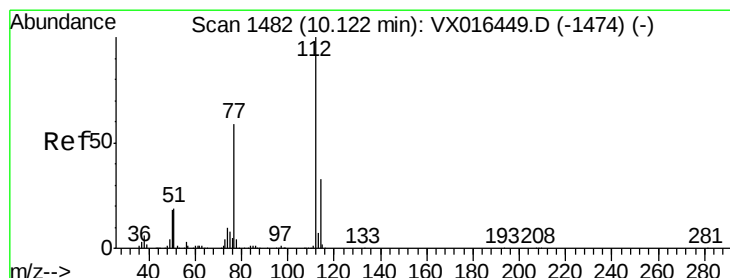
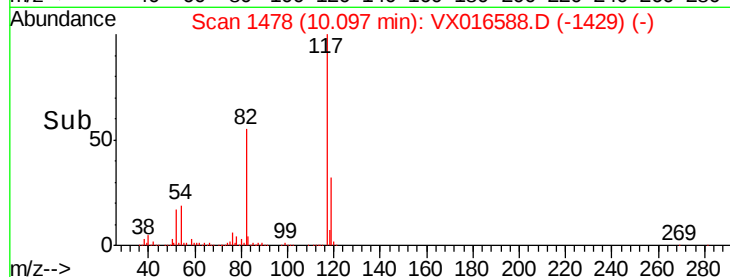
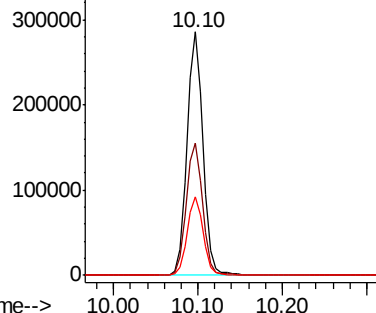
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX016588.D
Acq: 04 Jun 2020 17:53

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:117 Resp: 375889
Ion Ratio Lower Upper
117 100
82 54.6 45.0 67.6
119 32.4 25.8 38.8

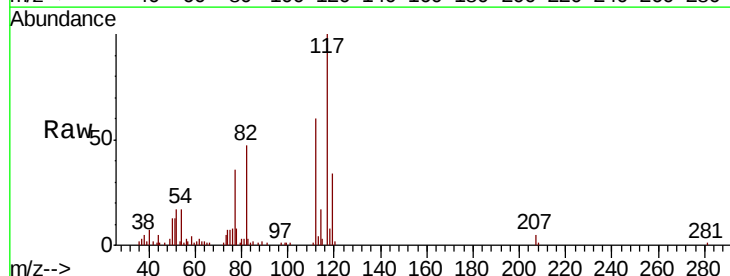


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

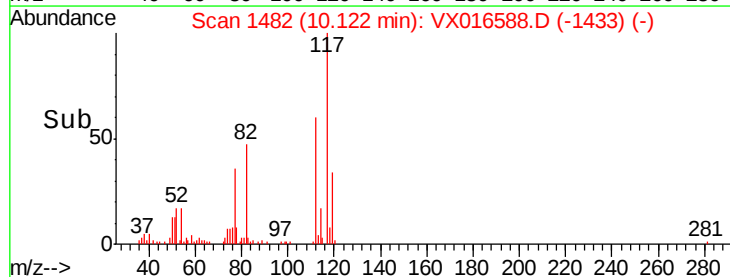
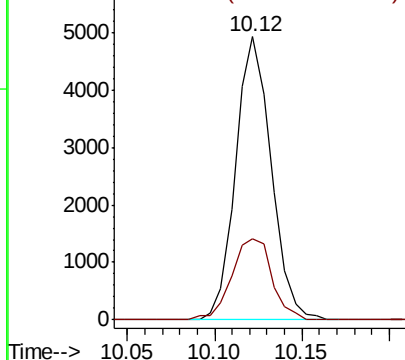


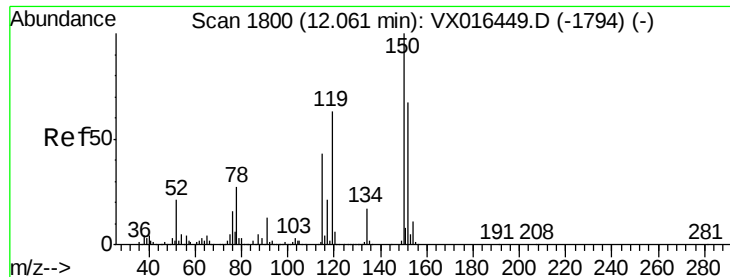
#65
Chlorobenzene
Concen: 0.908 ug/l
RT: 10.12 min Scan# 1482
Delta R.T. -0.00 min
Lab File: VX016588.D
Acq: 04 Jun 2020 17:53

Tgt Ion:112 Resp: 6959
Ion Ratio Lower Upper
112 100
114 28.7 26.0 39.0



Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX016588.D

Acq: 04 Jun 2020 17:53

Instrument :

MSVOA_X

ClientSampleId :

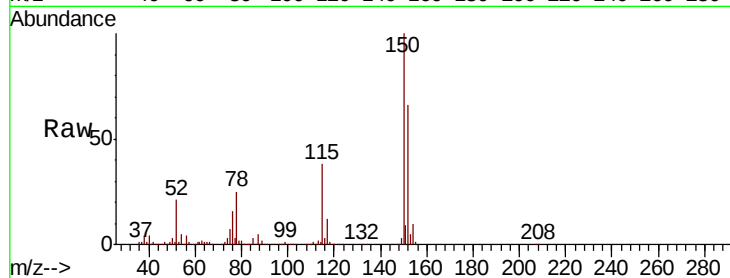
Tot Ion:152 Resp: 191248

Ion Ratio Lower Upper

152 100

115 58.8 39.9 119.6

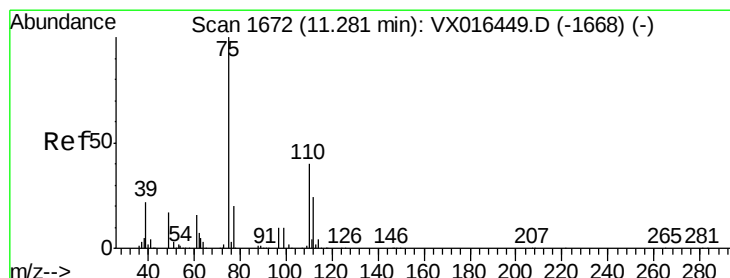
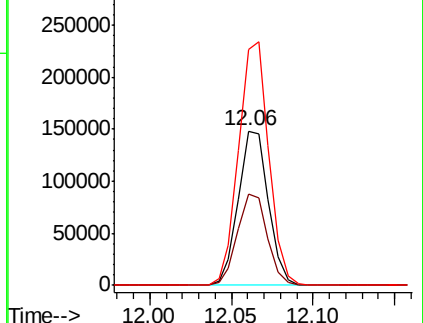
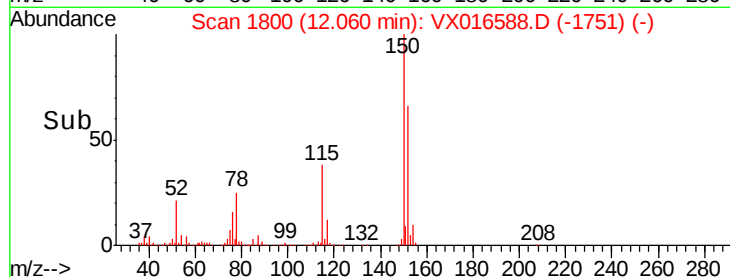
150 158.0 0.0 341.0



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 21.823 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016588.D

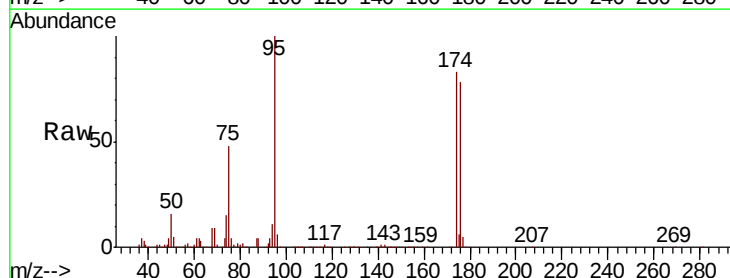
Acq: 04 Jun 2020 17:53

Tgt Ion: 75 Resp: 91737

Ion Ratio Lower Upper

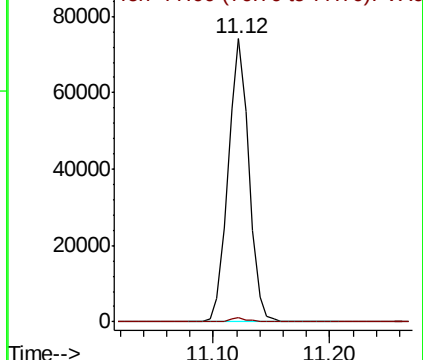
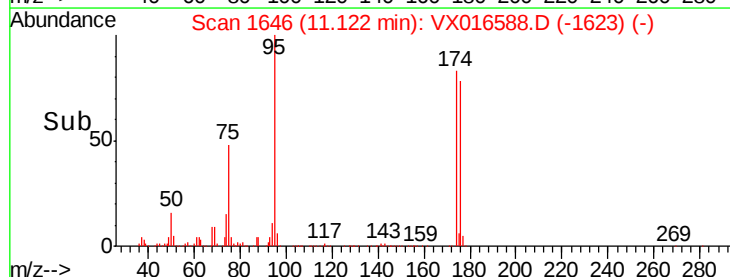
75 100

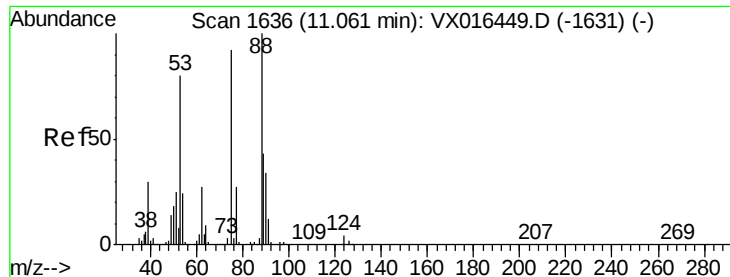
77 1.2 21.3 63.7#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

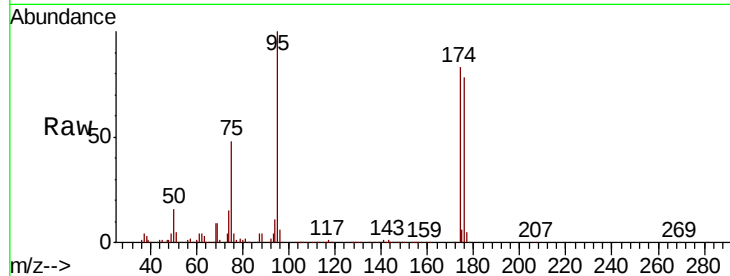




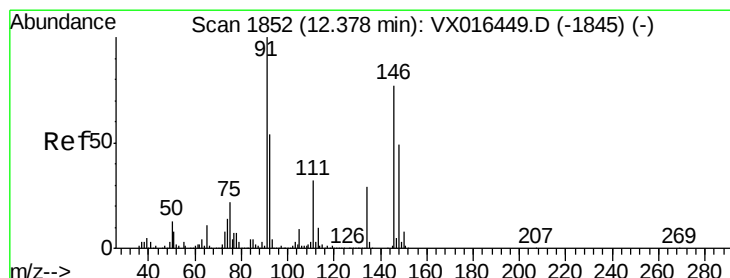
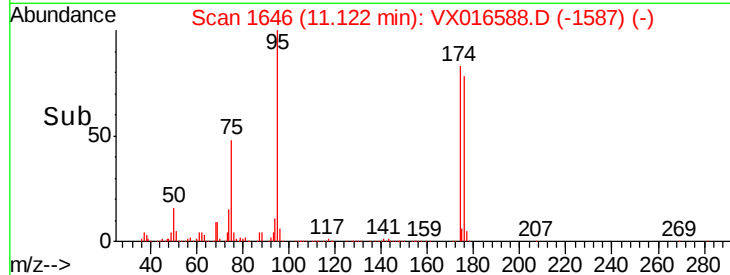
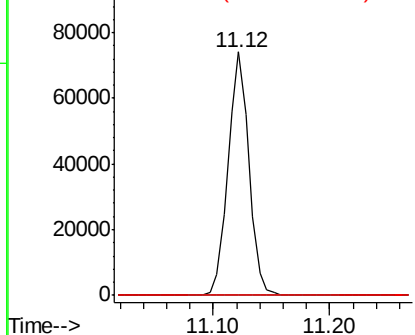
#81
trans-1,4-Dichloro-2-butene
Concen: 53.681 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. 0.06 min
Lab File: VX016588.D
Acq: 04 Jun 2020 17:53

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 75 Resp: 91737
Ion Ratio Lower Upper
75 100
53 0.0 71.3 106.9#
89 0.0 36.6 55.0#

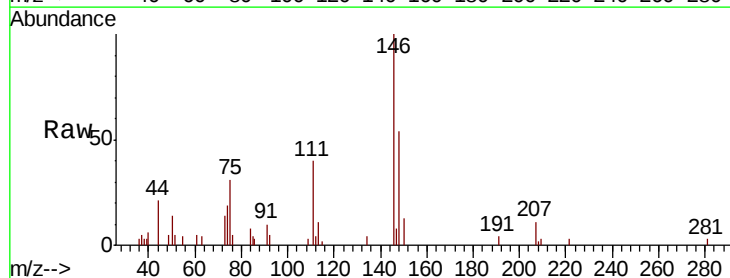


Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 53.00 (52.70 to 53.70): VX0
Ion 88.90 (88.60 to 89.60): VX0



#91
1,2-Dichlorobenzene
Concen: 0.490 ug/l
RT: 12.38 min Scan# 1852
Delta R.T. -0.00 min
Lab File: VX016588.D
Acq: 04 Jun 2020 17:53

Tgt Ion: 146 Resp: 2857
Ion Ratio Lower Upper
146 100
111 38.8 21.4 64.3
148 62.5 31.9 95.7



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

