

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX051320\
 Data File : VX016196.D
 Acq On : 13 May 2020 22:38
 Operator : JC/SP
 Sample : VX0513WBL02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0513WBL02

Quant Time: May 14 04:42:38 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	5.64	168	273003	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	451161	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	445275	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	225162	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	167022	46.49	ug/l	0.00
Spiked Amount			Recovery	=	92.98%	
35) Dibromofluoromethane	5.46	113	131752	46.09	ug/l	0.00
Spiked Amount			Recovery	=	92.18%	
50) Toluene-d8	8.70	98	557659	50.64	ug/l	0.00
Spiked Amount			Recovery	=	101.28%	
62) 4-Bromofluorobenzene	11.12	95	221554	52.89	ug/l	0.00
Spiked Amount			Recovery	=	105.78%	

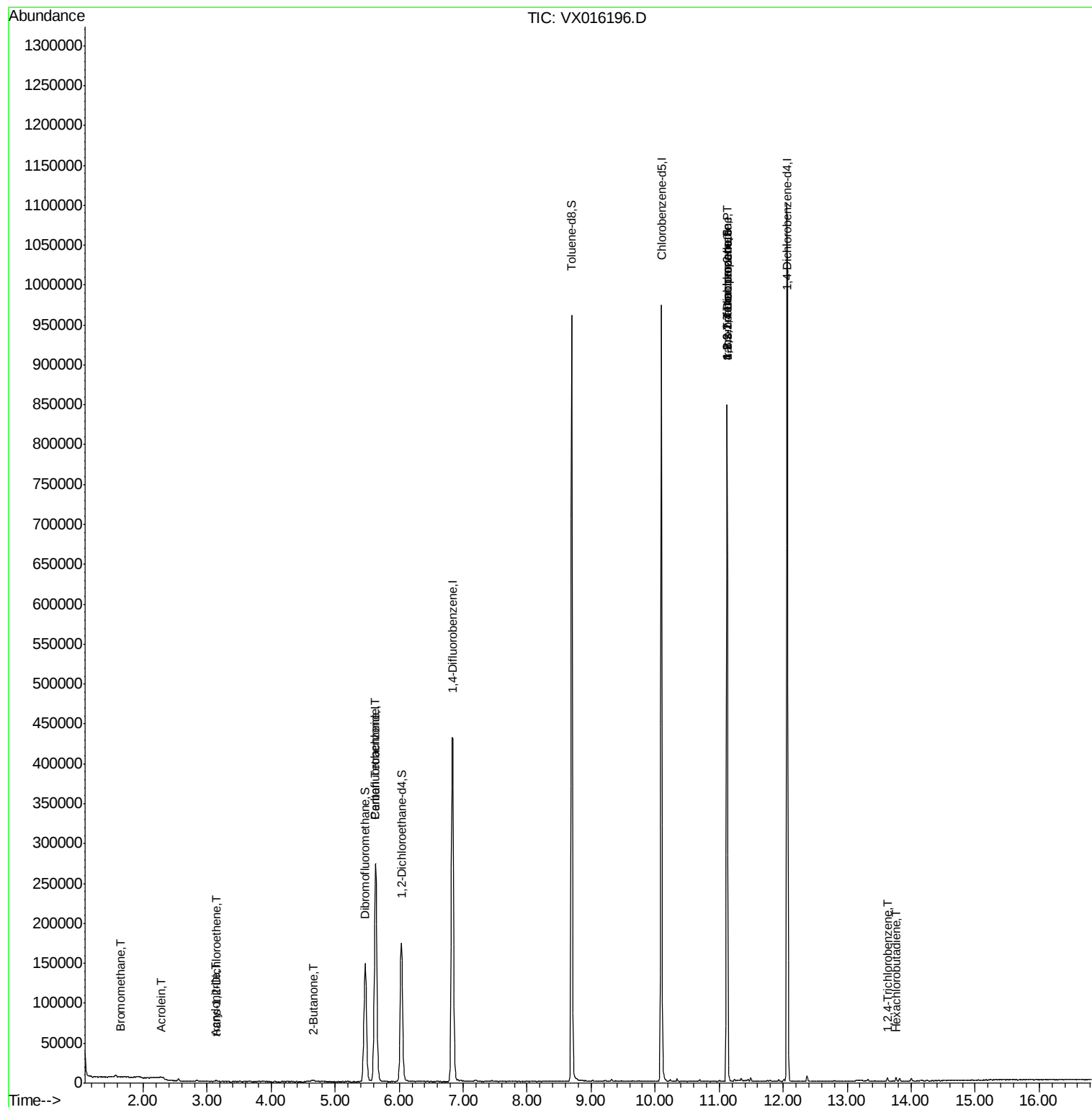
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	633	0.351	ug/l #	46
13) Acrolein	2.28	56	1014	1.784	ug/l	93
15) Acrylonitrile	3.12	53	610	0.324	ug/l #	87
21) trans-1,2-Dichloroethene	3.14	96	886	0.280	ug/l #	72
25) 2-Butanone	4.65	43	561	0.217	ug/l #	48
38) Carbon Tetrachloride	5.63	117	25862	5.729	ug/l #	14
75) 1,1,2,2-Tetrachloroethane	11.12	83	220	2.121	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	110348	21.597	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	110348	51.467	ug/l #	13
93) 1,2,4-Trichlorobenzene	13.63	180	1389	0.257	ug/l	94
94) Hexachlorobutadiene	13.76	225	765	0.848	ug/l	97

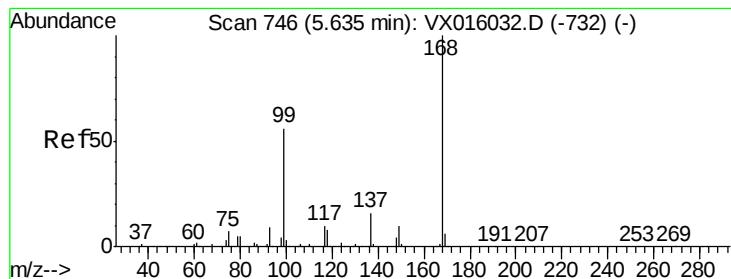
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed May 06 06:43:32 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: VX016196.D

Acq: 13 May 2020 22:38

Instrument :

MSVOA_X

ClientSampleId :

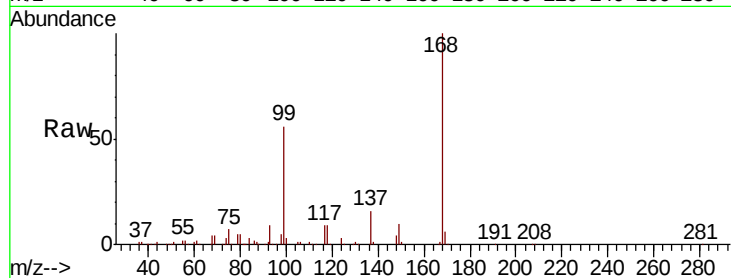
VX0513WBL02

Tot Ion:168 Resp: 273003

Ion Ratio Lower Upper

168 100

99 56.5 45.0 67.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

100000

80000

60000

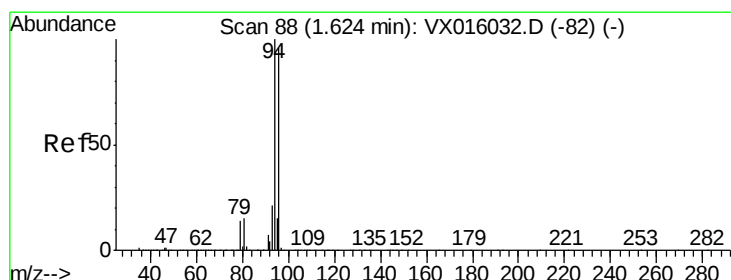
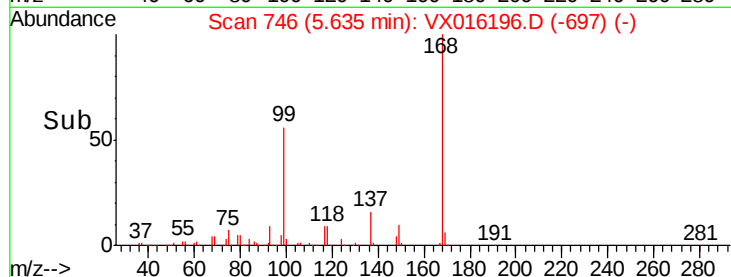
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.351 ug/l

RT: 1.64 min Scan# 91

Delta R.T. 0.02 min

Lab File: VX016196.D

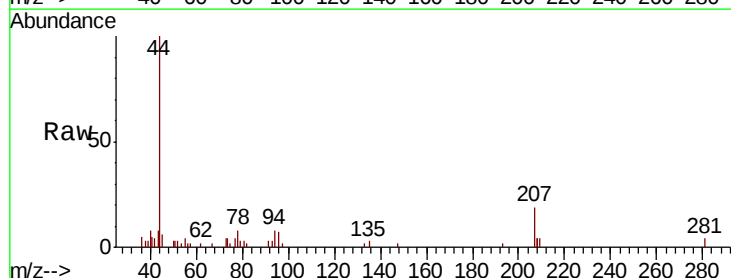
Acq: 13 May 2020 22:38

Tgt Ion: 94 Resp: 633

Ion Ratio Lower Upper

94 100

96 43.0 76.9 115.3#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

300

250

200

150

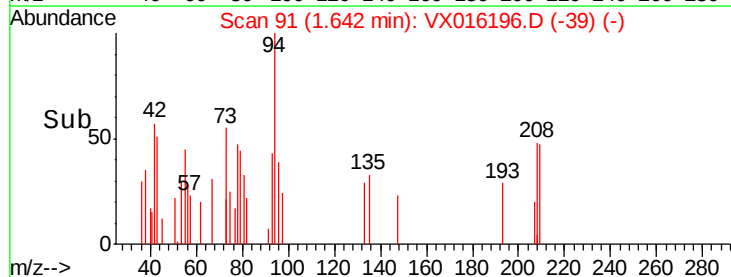
100

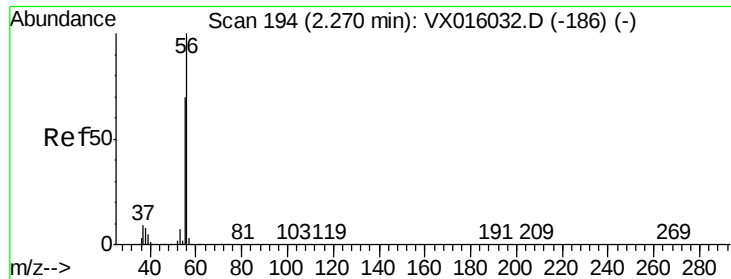
50

0

Time-->

1.60 1.65 1.70





#13

Acrolein

Concen: 1.784 ug/l

RT: 2.28 min Scan# 195

Delta R.T. 0.01 min

Lab File: VX016196.D

Acq: 13 May 2020 22:38

Instrument :

MSVOA_X

ClientSampleId :

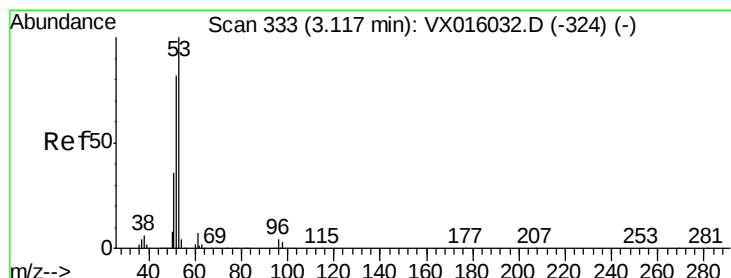
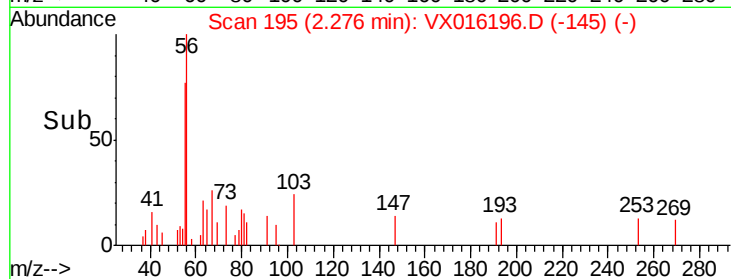
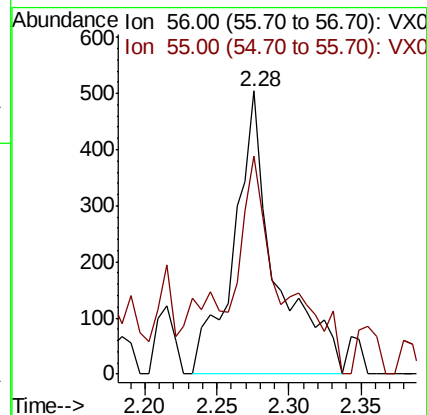
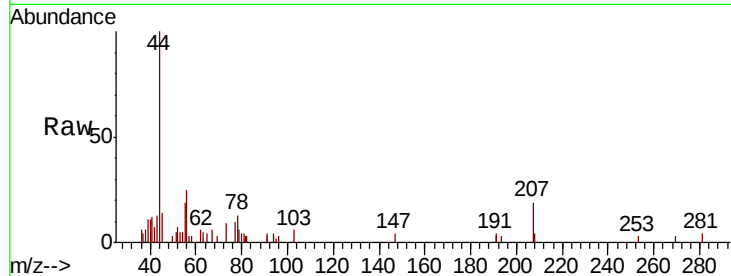
VX0513WBL02

Tot Ion: 56 Resp: 1014

Ion Ratio Lower Upper

56 100

55 76.3 56.5 84.7



#15

Acrylonitrile

Concen: 0.324 ug/l

RT: 3.12 min Scan# 334

Delta R.T. 0.01 min

Lab File: VX016196.D

Acq: 13 May 2020 22:38

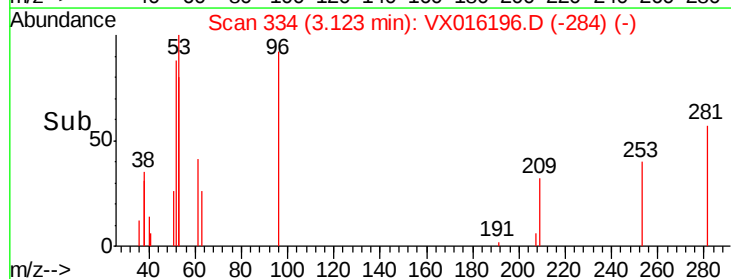
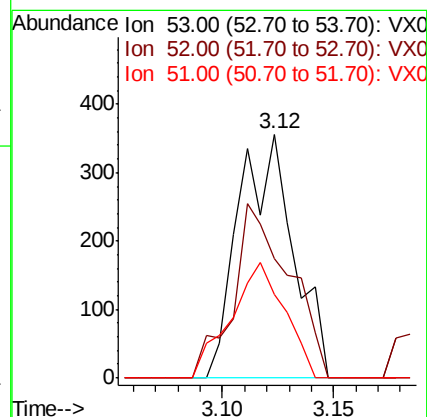
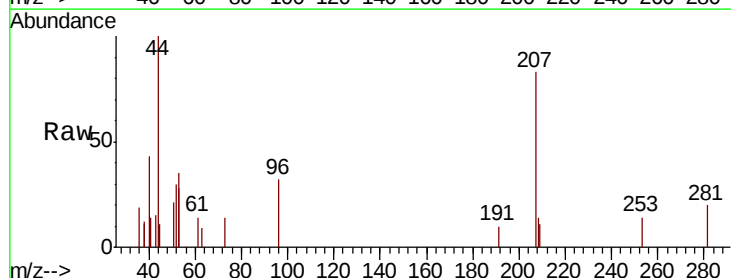
Tgt Ion: 53 Resp: 610

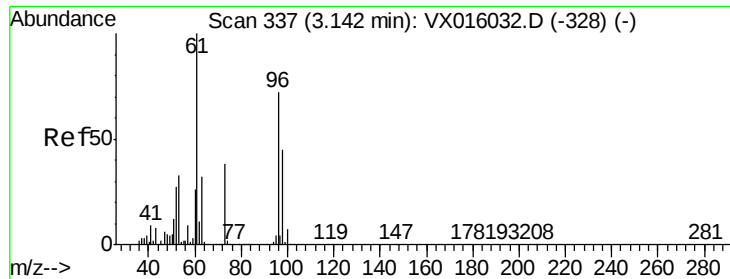
Ion Ratio Lower Upper

53 100

52 73.3 66.1 99.1

51 46.6 28.8 43.2#





#21

trans-1,2-Dichloroethene

Concen: 0.280 ug/l

RT: 3.14 min Scan# 337

Delta R.T. -0.00 min

Lab File: VX016196.D

Acq: 13 May 2020 22:38

Instrument :

MSVOA_X

ClientSampleId :

VX0513WBL02

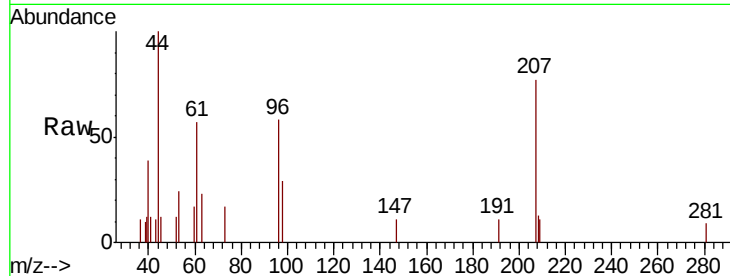
Tot Ion: 96 Resp: 886

Ion Ratio Lower Upper

96 100

61 98.2 111.2 166.8#

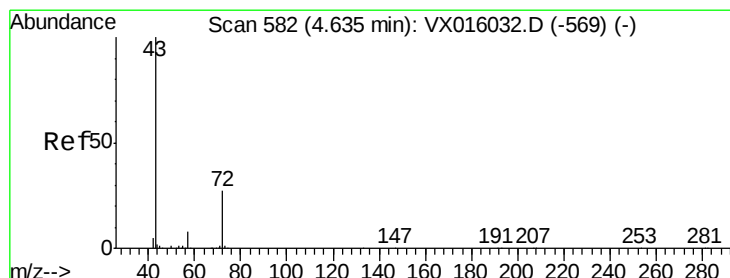
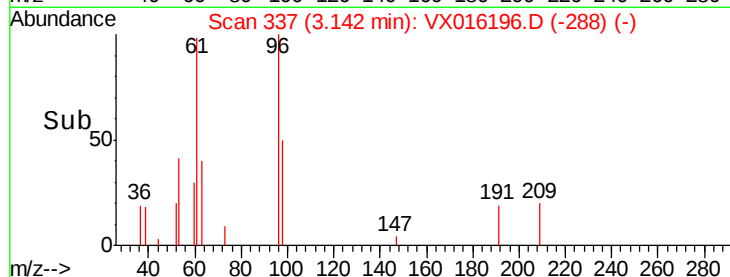
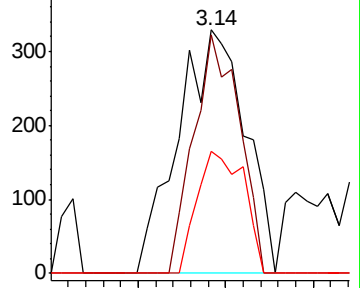
98 50.2 50.2 75.4#



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



#25

2-Butanone

Concen: 0.217 ug/l

RT: 4.65 min Scan# 584

Delta R.T. 0.01 min

Lab File: VX016196.D

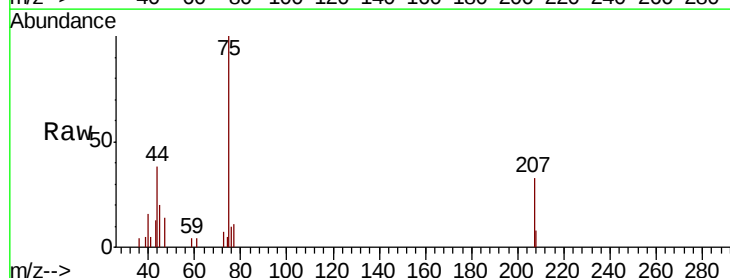
Acq: 13 May 2020 22:38

Tgt Ion: 43 Resp: 561

Ion Ratio Lower Upper

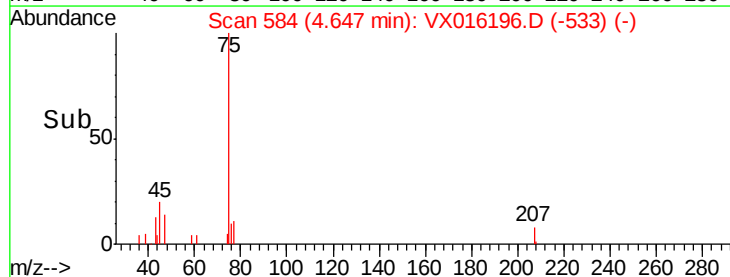
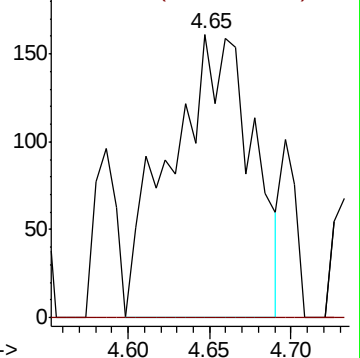
43 100

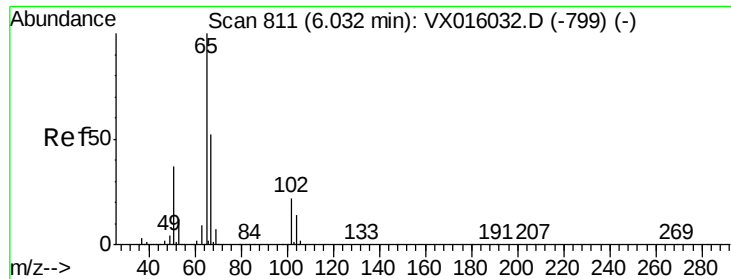
72 0.0 21.8 32.8#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

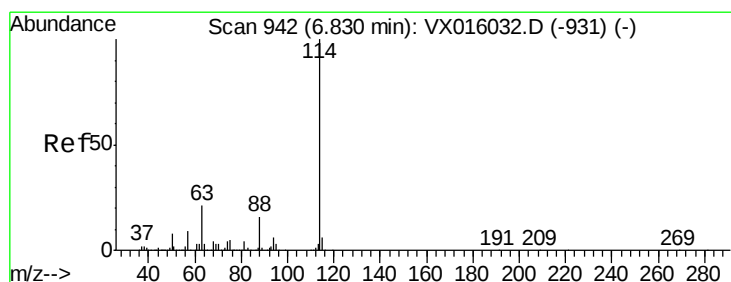
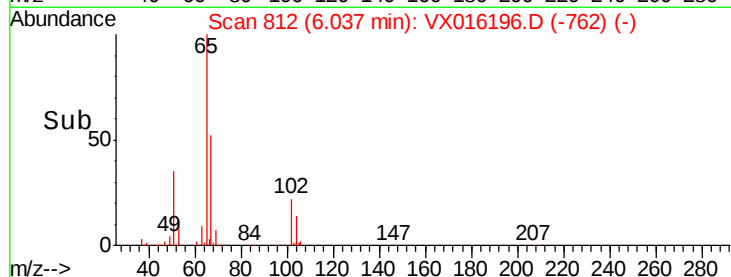
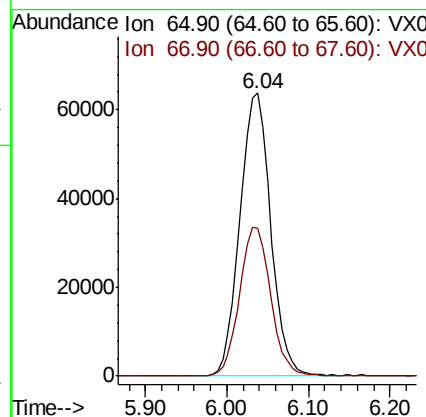
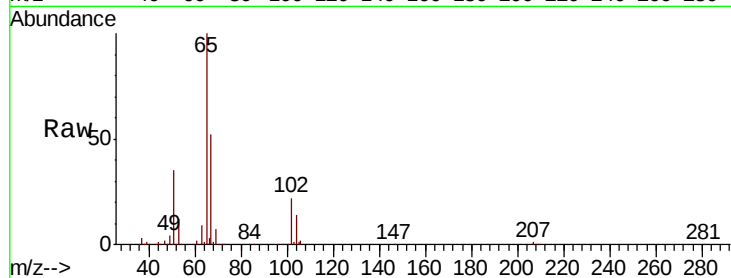




#33
 1,2-Dichloroethane-d4
 Concen: 46.493 ug/l
 RT: 6.04 min Scan# 812
 Delta R.T. 0.01 min
 Lab File: VX016196.D
 Acq: 13 May 2020 22:38

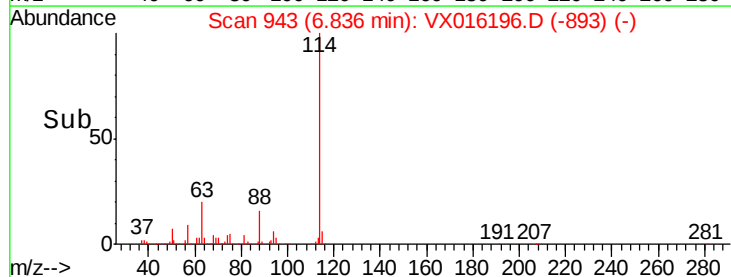
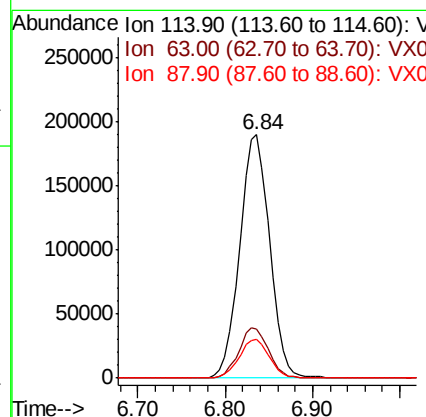
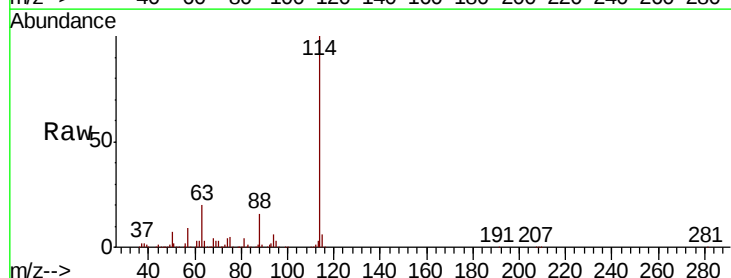
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0513WBL02

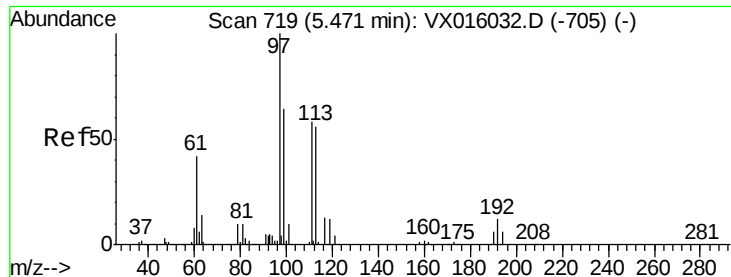
Tot Ion: 65 Resp: 167022
 Ion Ratio Lower Upper
 65 100
 67 53.3 0.0 104.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.84 min Scan# 943
 Delta R.T. 0.01 min
 Lab File: VX016196.D
 Acq: 13 May 2020 22:38

Tgt Ion: 114 Resp: 451161
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 42.8
 88 15.9 0.0 31.4

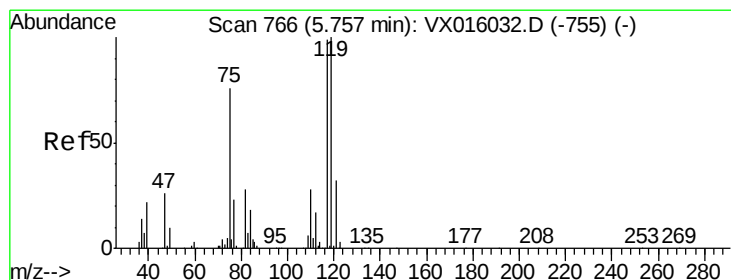
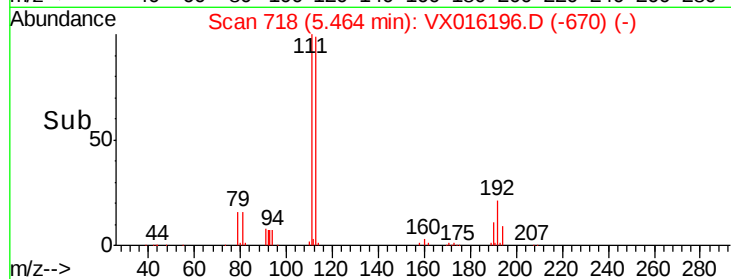
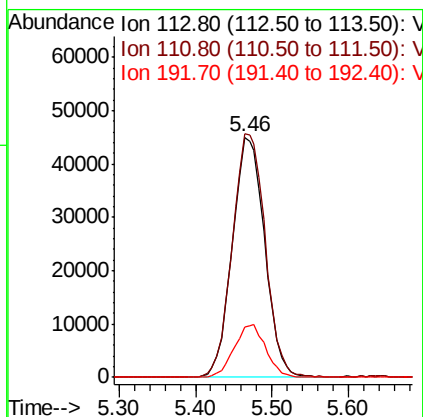
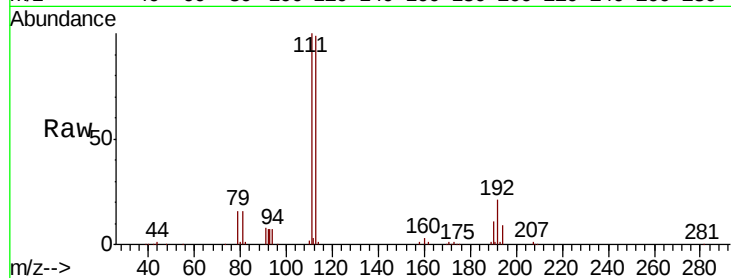




#35
 Dibromofluoromethane
 Concen: 46.095 ug/l
 RT: 5.46 min Scan# 718
 Delta R.T. -0.01 min
 Lab File: VX016196.D
 Acq: 13 May 2020 22:38

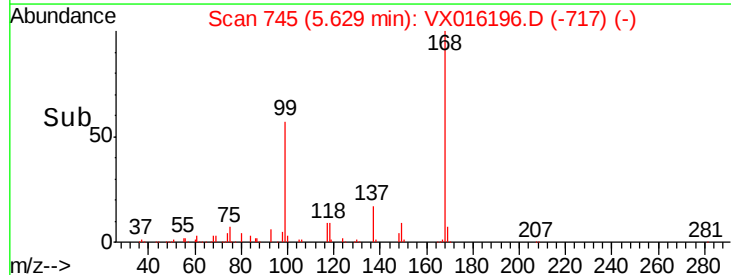
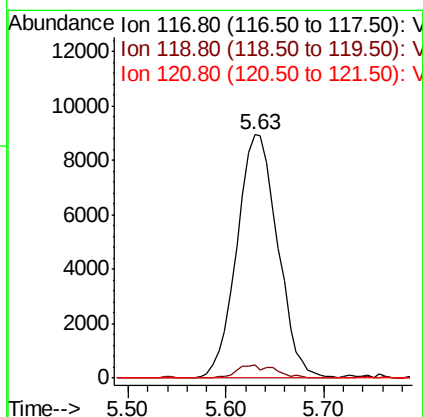
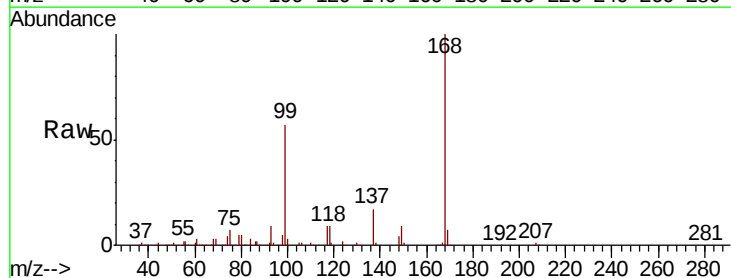
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0513WBL02

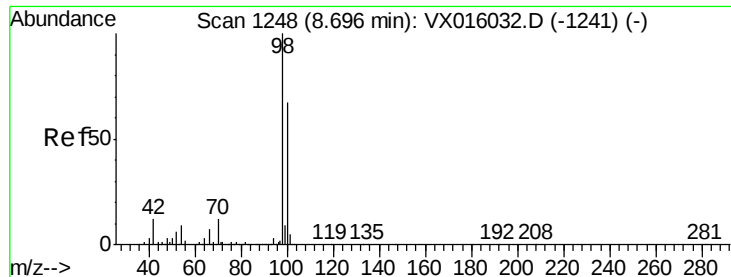
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.9	81.6	122.4
192	21.5	17.0	25.4



#38
 Carbon Tetrachloride
 Concen: 5.729 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.13 min
 Lab File: VX016196.D
 Acq: 13 May 2020 22:38

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.4	80.3	120.5#
121	0.0	25.7	38.5#





#50

Toluene-d8

Concen: 50.635 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX016196.D

Acq: 13 May 2020 22:38

Instrument :

MSVOA_X

ClientSampleId :

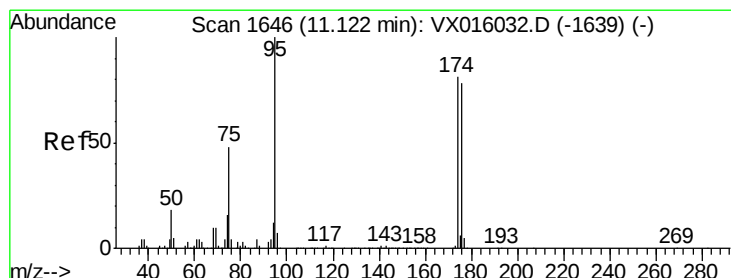
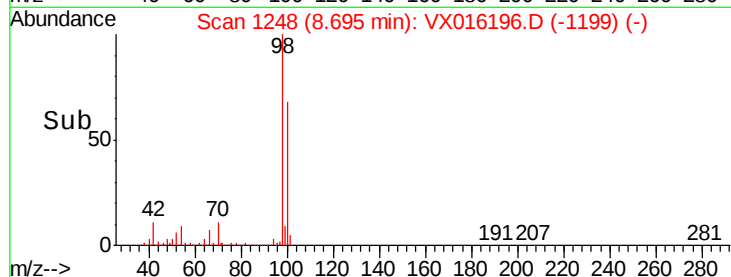
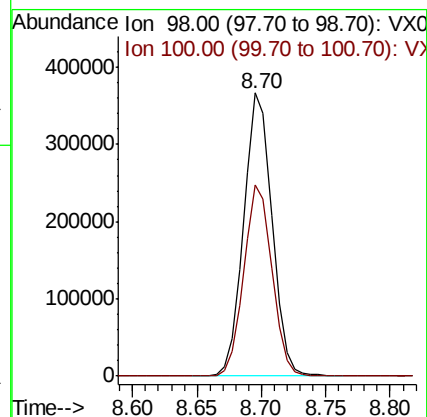
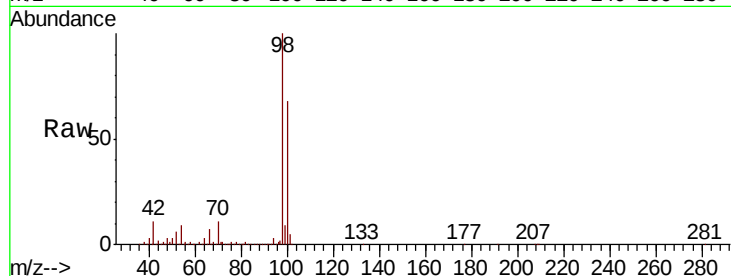
VX0513WBL02

Tot Ion: 98 Resp: 557659

Ion Ratio Lower Upper

98 100

100 67.5 53.7 80.5



#62

4-Bromofluorobenzene

Concen: 52.891 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016196.D

Acq: 13 May 2020 22:38

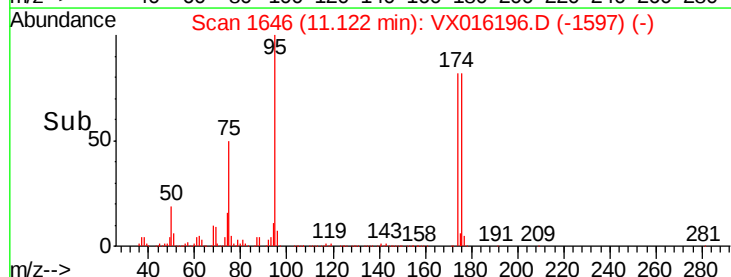
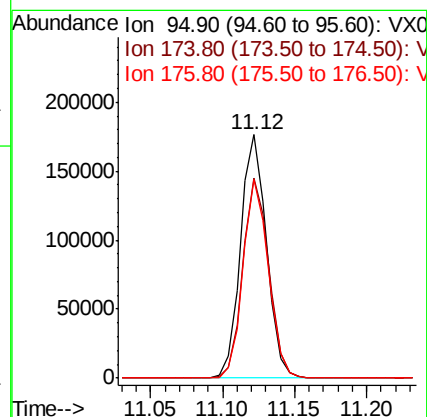
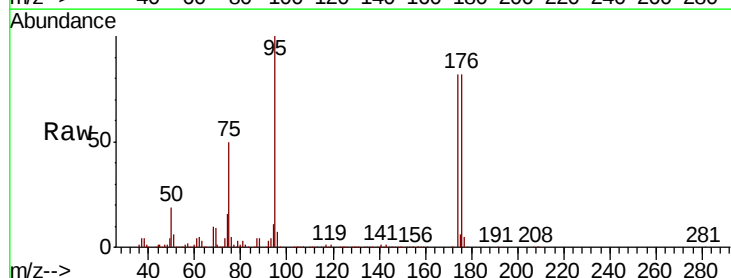
Tgt Ion: 95 Resp: 221554

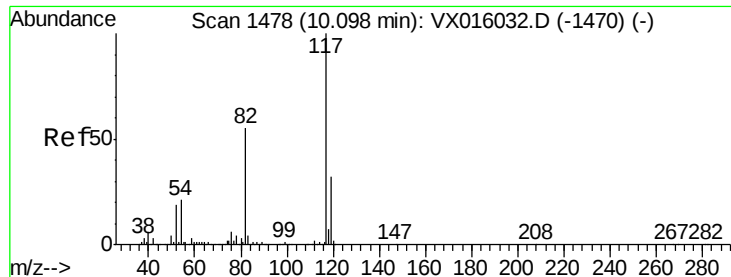
Ion Ratio Lower Upper

95 100

174 82.0 0.0 159.4

176 79.7 0.0 157.6

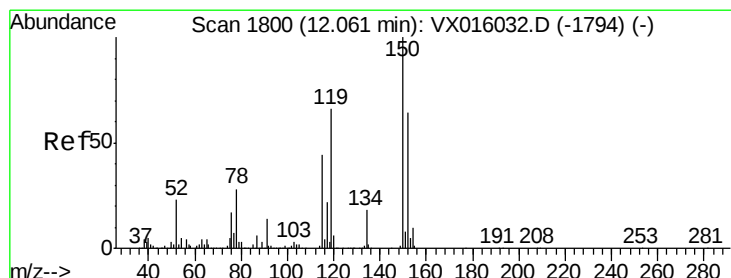
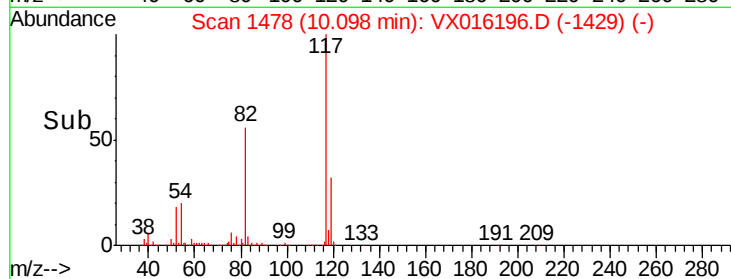
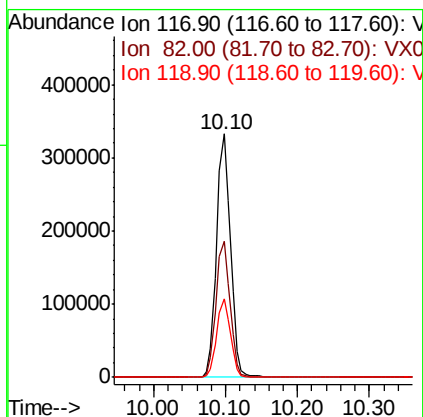
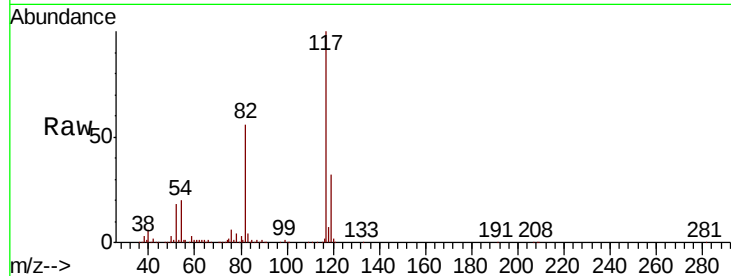




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX016196.D
Acq: 13 May 2020 22:38

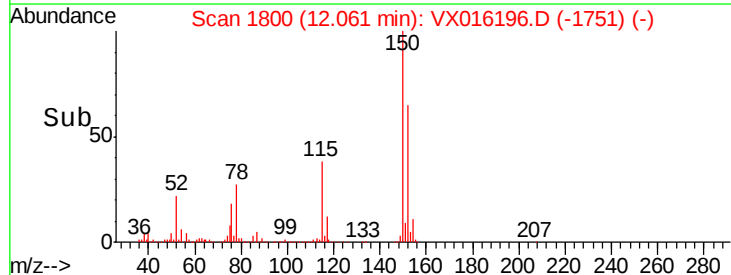
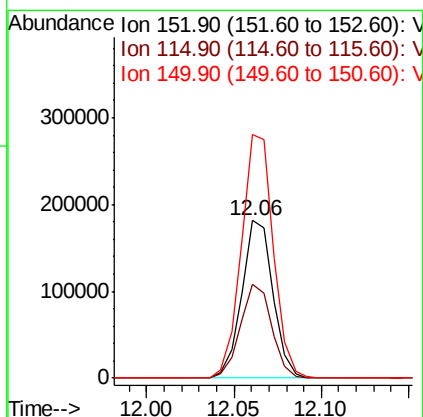
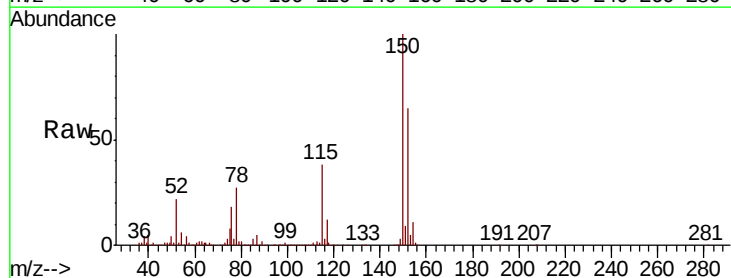
Instrument :
MSVOA_X
ClientSampleId :
VX0513WBL02

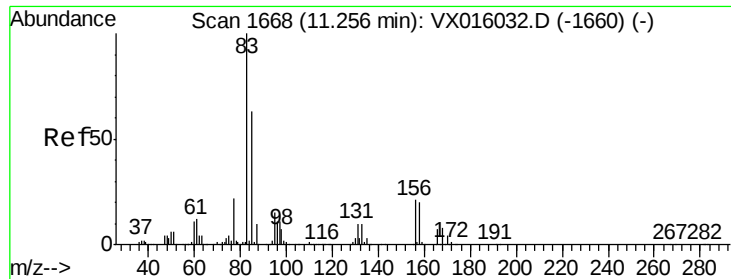
Tot Ion:117 Resp: 445275
Ion Ratio Lower Upper
117 100
82 55.7 44.4 66.6
119 32.0 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX016196.D
Acq: 13 May 2020 22:38

Tgt Ion:152 Resp: 225162
Ion Ratio Lower Upper
152 100
115 59.6 41.3 124.1
150 158.2 0.0 352.2





#75

1,1,2,2-Tetrachloroethane

Concen: 2.121 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.13 min

Lab File: VX016196.D

Acq: 13 May 2020 22:38

Instrument :

MSVOA_X

ClientSampleId :

VX0513WBL02

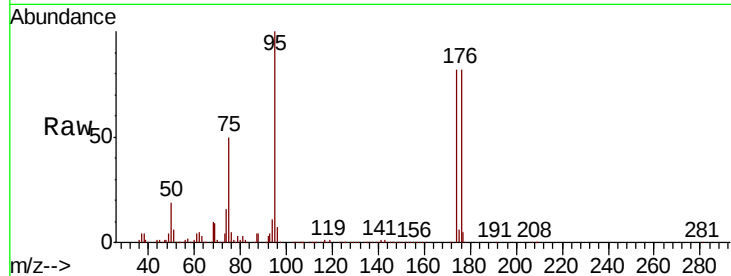
Tot Ion: 83 Resp: 220

Ion Ratio Lower Upper

83 100

131 164.5 5.1 15.4#

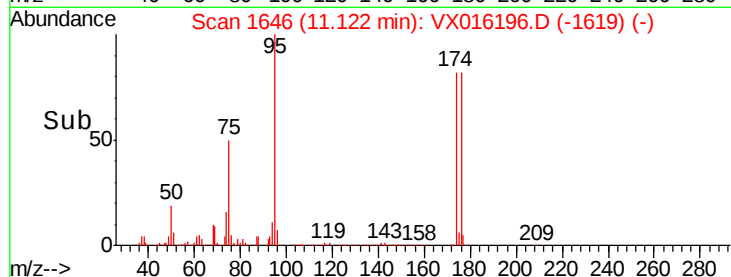
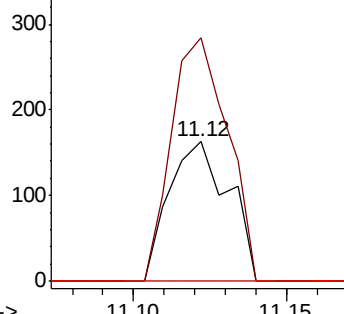
85 0.0 32.0 96.0#



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: 21.597 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016196.D

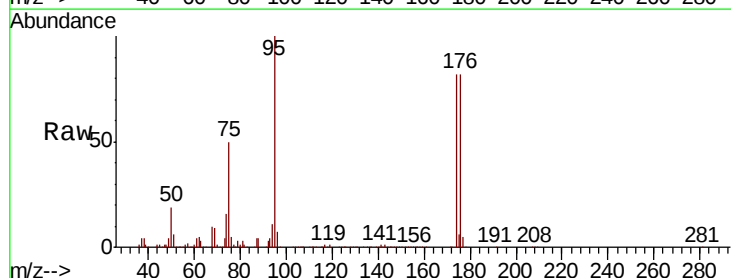
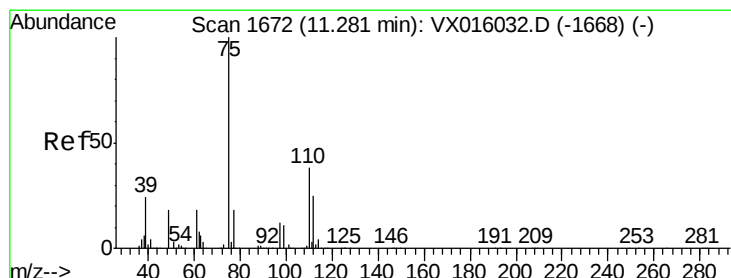
Acq: 13 May 2020 22:38

Tgt Ion: 75 Resp: 110348

Ion Ratio Lower Upper

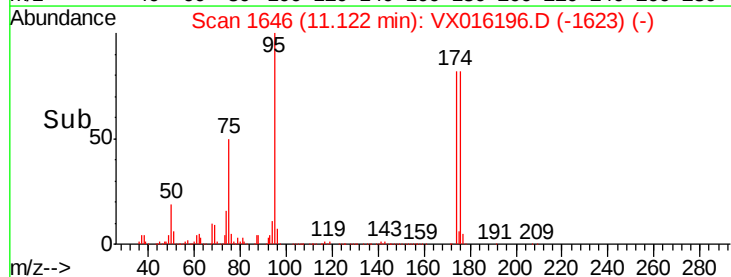
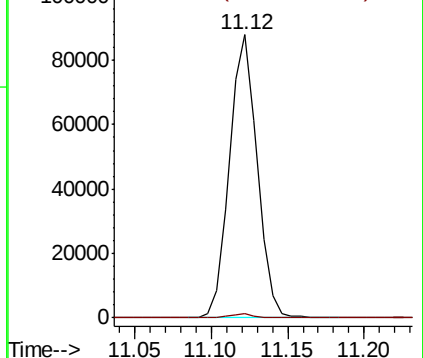
75 100

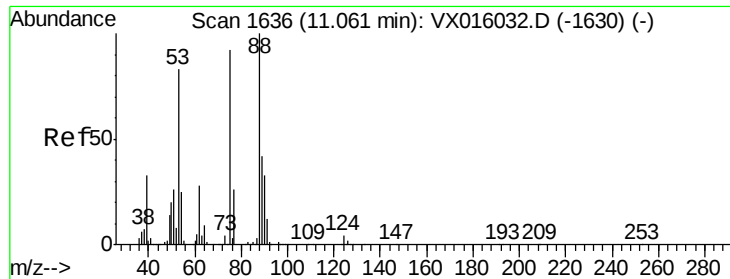
77 1.3 21.2 63.6#



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: 51.467 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX016196.D

Acq: 13 May 2020 22:38

Instrument :

MSVOA_X

ClientSampleId :

VX0513WBL02

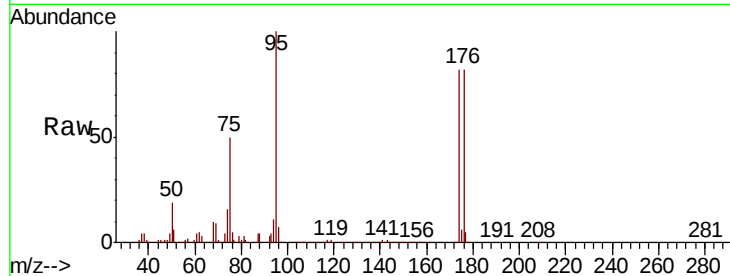
Tot Ion: 75 Resp: 110348

Ion Ratio Lower Upper

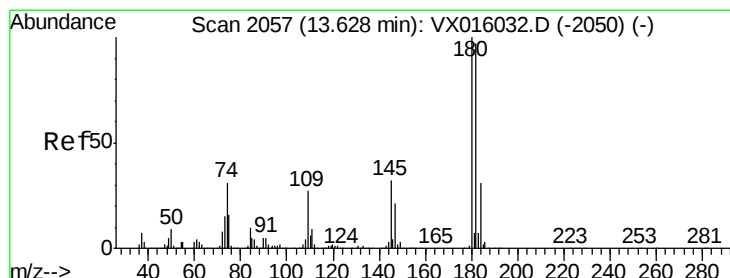
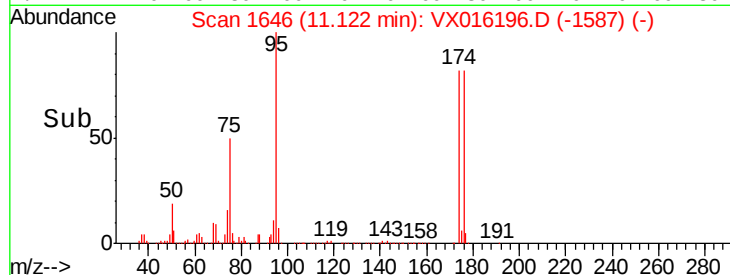
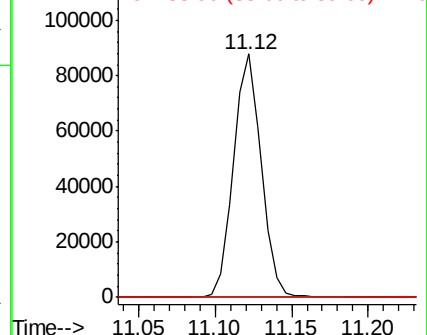
75 100

53 0.0 73.1 109.7#

89 0.0 36.7 55.1#



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: 0.257 ug/l

RT: 13.63 min Scan# 2057

Delta R.T. -0.00 min

Lab File: VX016196.D

Acq: 13 May 2020 22:38

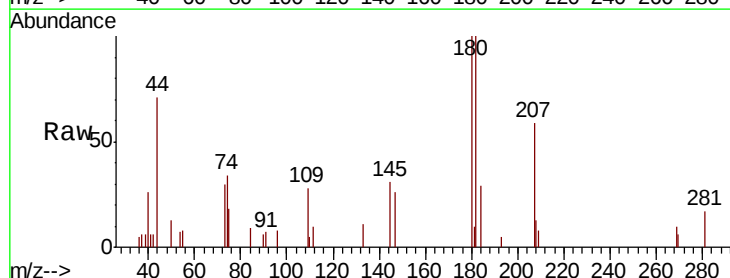
Tgt Ion:180 Resp: 1389

Ion Ratio Lower Upper

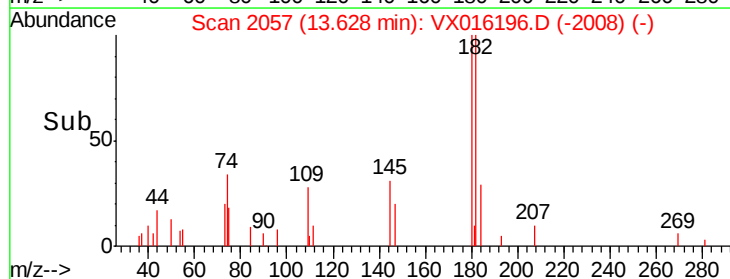
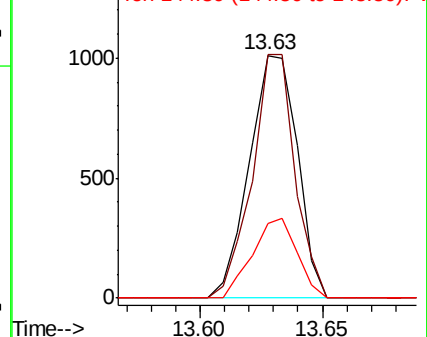
180 100

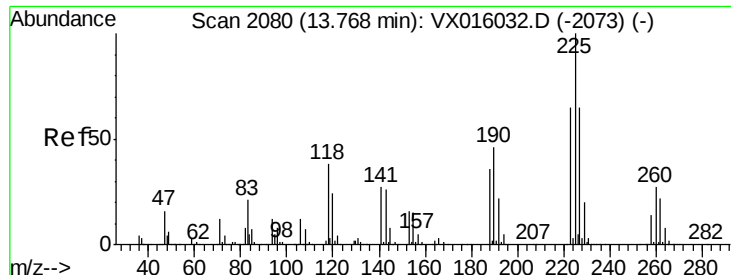
182 89.7 48.7 146.1

145 30.6 15.7 47.1



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





#94

Hexachlorobutadiene

Concen: 0.848 ug/l

RT: 13.76 min Scan# 2079

Delta R.T. -0.01 min

Lab File: VX016196.D

Acq: 13 May 2020 22:38

Instrument :

MSVOA_X

ClientSampleId :

VX0513WBL02

Tot Ion:225 Resp: 765

Ion Ratio Lower Upper

225 100

223 64.8 32.3 96.9

227 59.5 31.8 95.4

