

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX052120\
 Data File : VX016382.D
 Acq On : 21 May 2020 14:41
 Operator : JC/SP
 Sample : L2672-08DL 200X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: May 22 07:39:56 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	241164	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	393921	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	382986	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	191471	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	137254	43.25	ug/l	0.00
Spiked Amount			Recovery	=	86.50%	
35) Dibromofluoromethane	5.47	113	112281	44.99	ug/l	0.00
Spiked Amount			Recovery	=	89.98%	
50) Toluene-d8	8.70	98	479521	49.87	ug/l	0.00
Spiked Amount			Recovery	=	99.74%	
62) 4-Bromofluorobenzene	11.12	95	192938	52.75	ug/l	0.00
Spiked Amount			Recovery	=	105.50%	

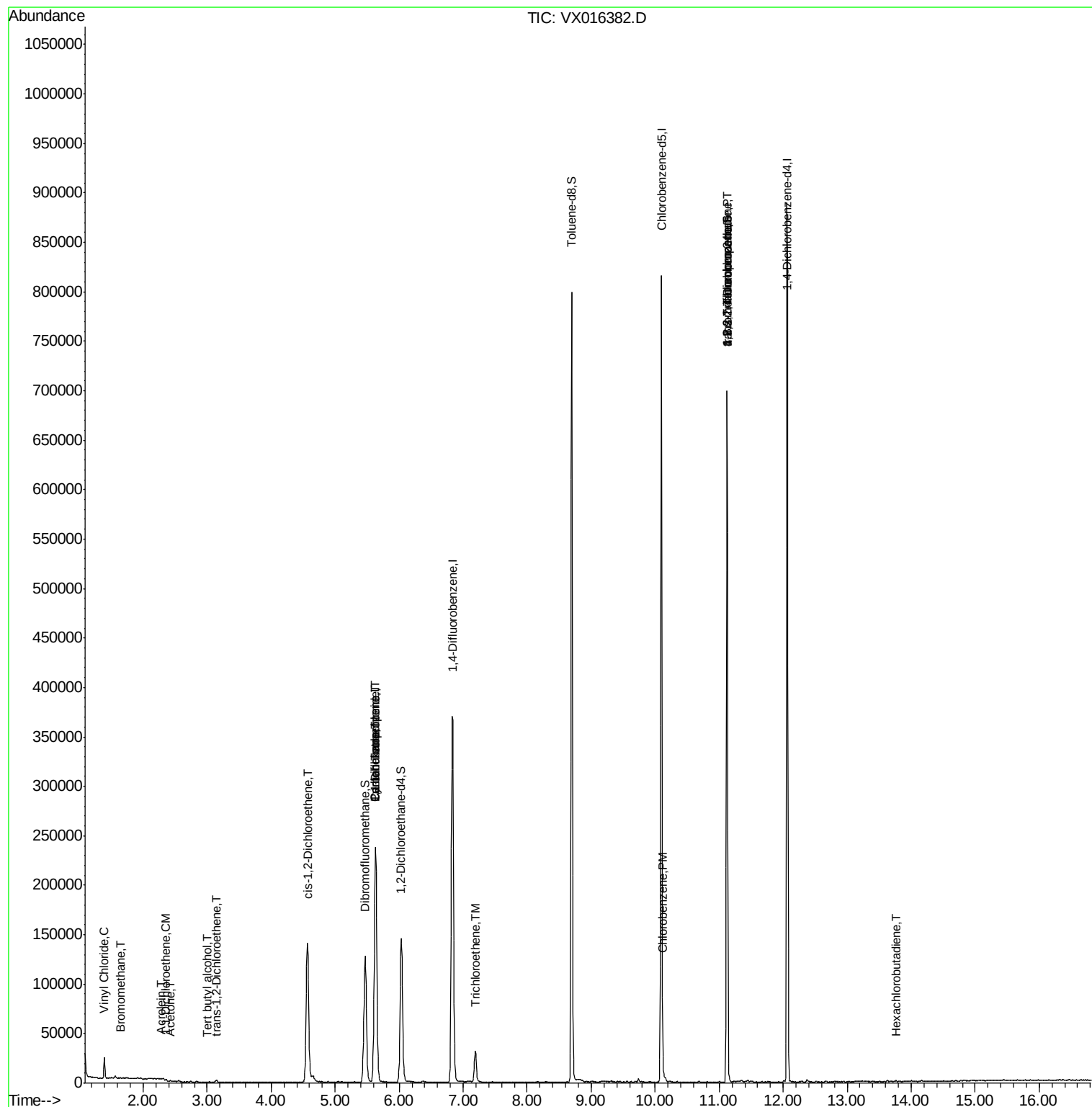
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.39	62	12604	3.985	ug/l	98
5) Bromomethane	1.65	94	401	0.251	ug/l #	76
11) Tert butyl alcohol	3.00	59	232	0.289	ug/l #	72
12) 1,1-Dichloroethene	2.36	96	837	0.334	ug/l #	79
13) Acrolein	2.27	56	386	0.769	ug/l #	49
16) Acetone	2.42	43	732	0.517	ug/l #	69
17) Carbon Disulfide	2.55	76	1241	Below Cal	#	64
21) trans-1,2-Dichloroethene	3.14	96	1106	0.396	ug/l #	56
27) cis-1,2-Dichloroethene	4.57	96	94976	31.097	ug/l	85
31) Cyclohexane	5.63	56	4163	0.944	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	17251	4.449	ug/l #	49
38) Carbon Tetrachloride	5.64	117	22253	5.646	ug/l #	13
44) Trichloroethene	7.19	130	12458	3.091	ug/l	95
65) Chlorobenzene	10.12	112	2314	0.289	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.12	83	97	2.086	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	90817	20.902	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	90817	49.811	ug/l #	13
94) Hexachlorobutadiene	13.76	225	282	0.664	ug/l	78

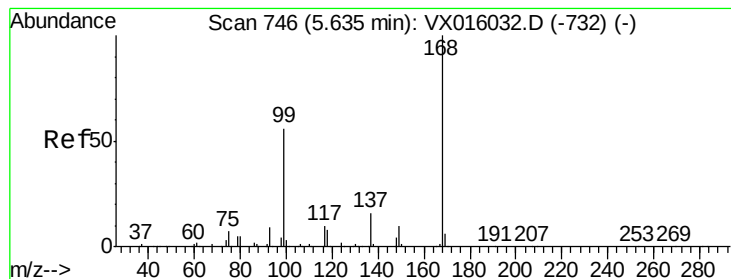
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed May 06 06:43:32 2020
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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: VX016382.D

Acq: 21 May 2020 14:41

Instrument :

MSVOA_X

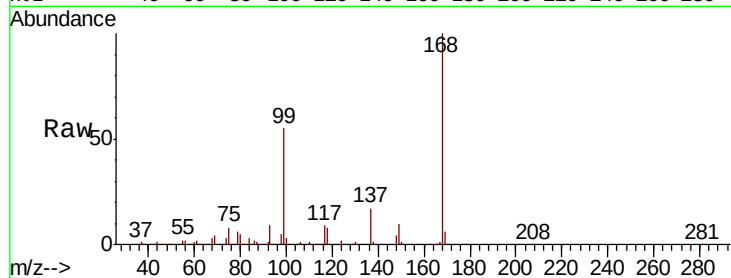
ClientSampleId :

Tot Ion:168 Resp: 241164

Ion Ratio Lower Upper

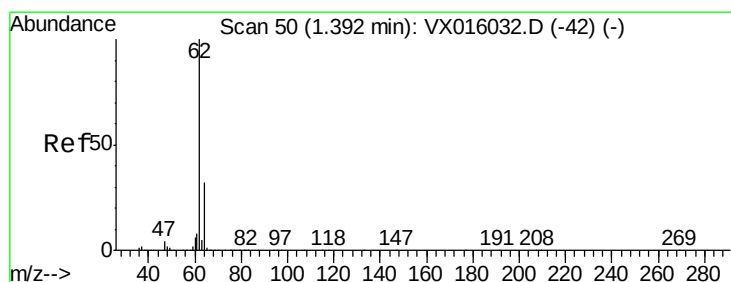
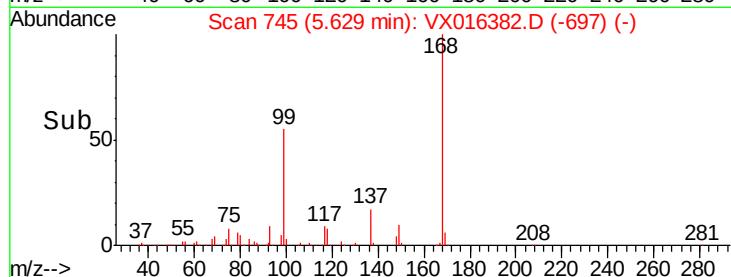
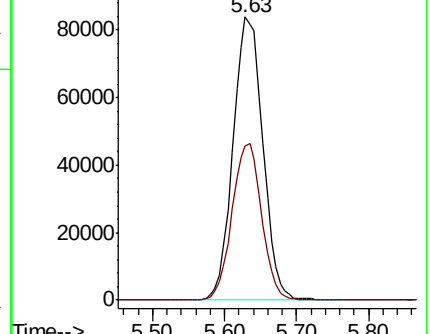
168 100

99 54.5 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: 3.985 ug/l

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX016382.D

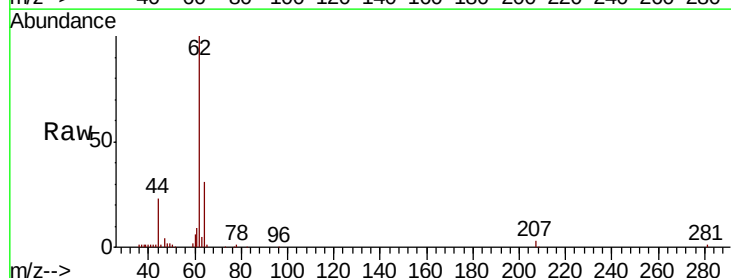
Acq: 21 May 2020 14:41

Tgt Ion: 62 Resp: 12604

Ion Ratio Lower Upper

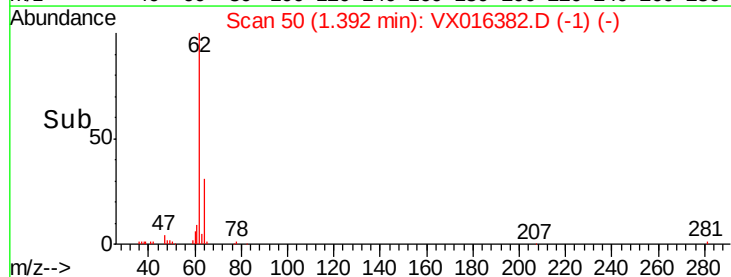
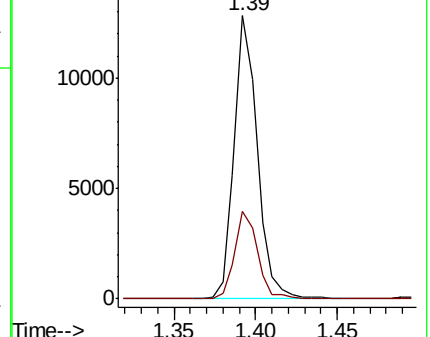
62 100

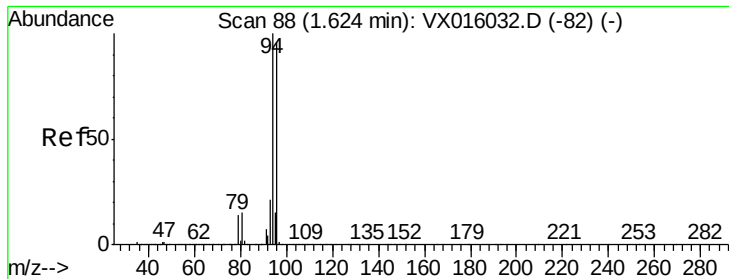
64 30.9 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 0.251 ug/l

RT: 1.65 min Scan# 92

Delta R.T. 0.02 min

Lab File: VX016382.D

Acq: 21 May 2020 14:41

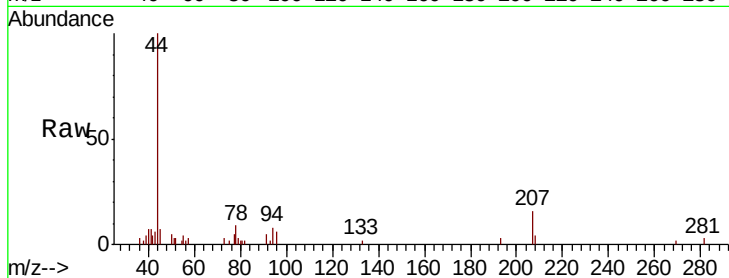
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 94 Resp: 401

Ion Ratio Lower Upper

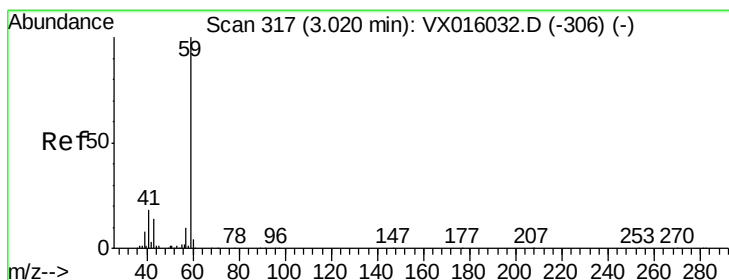
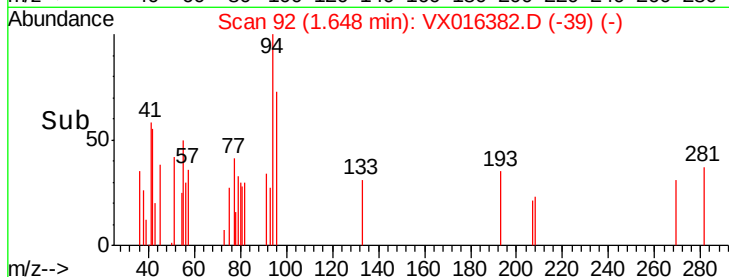
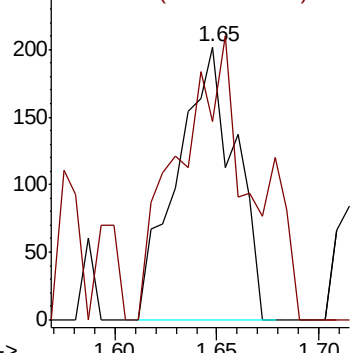
94 100

96 72.8 76.9 115.3#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#11

Tert butyl alcohol

Concen: 0.289 ug/l

RT: 3.00 min Scan# 314

Delta R.T. -0.02 min

Lab File: VX016382.D

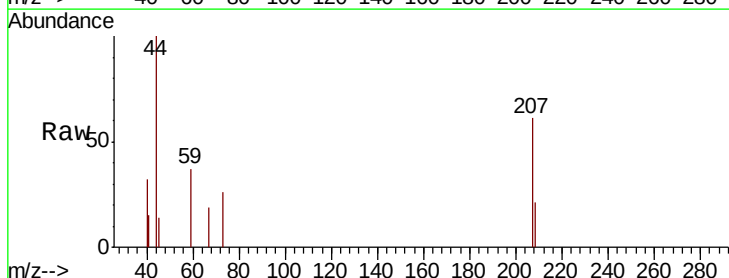
Acq: 21 May 2020 14:41

Tgt Ion: 59 Resp: 232

Ion Ratio Lower Upper

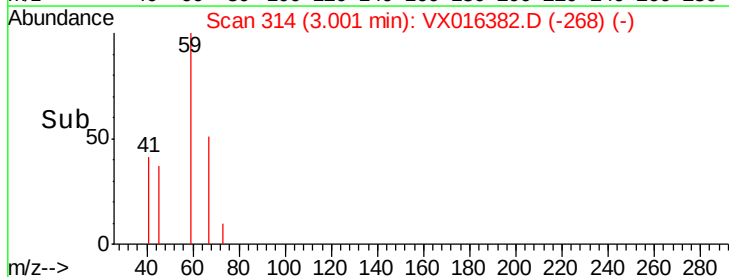
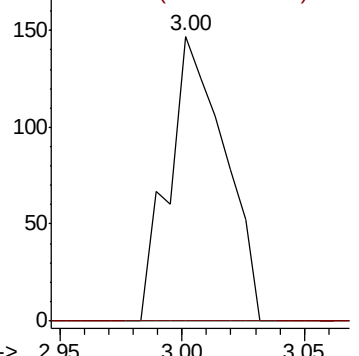
59 100

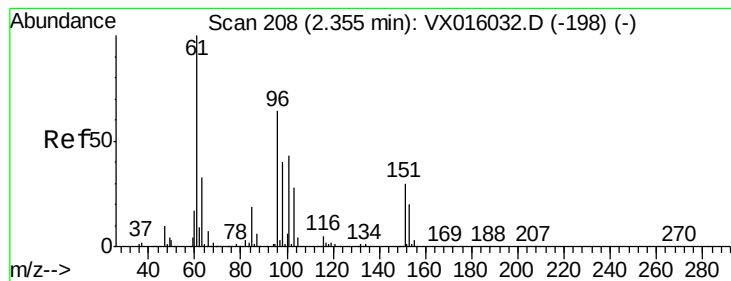
57 0.0 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#12

1,1-Dichloroethene

Concen: 0.334 ug/l

RT: 2.36 min Scan# 208

Delta R.T. -0.00 min

Lab File: VX016382.D

Acq: 21 May 2020 14:41

Instrument :

MSVOA_X

ClientSampleId :

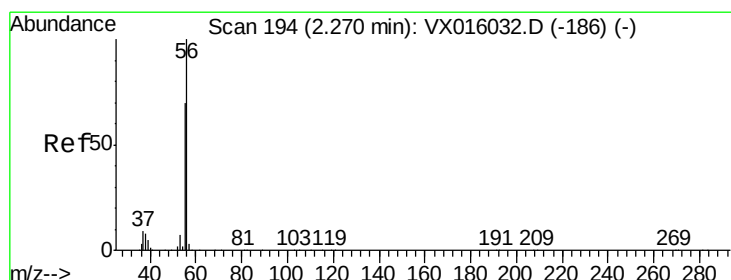
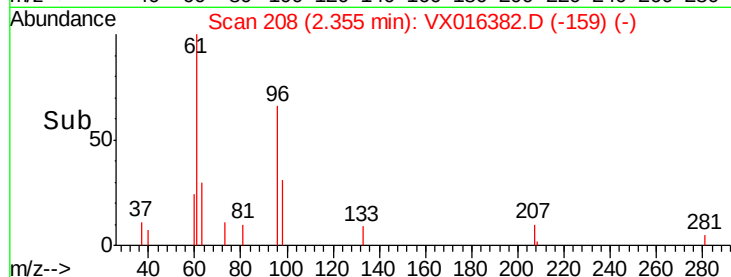
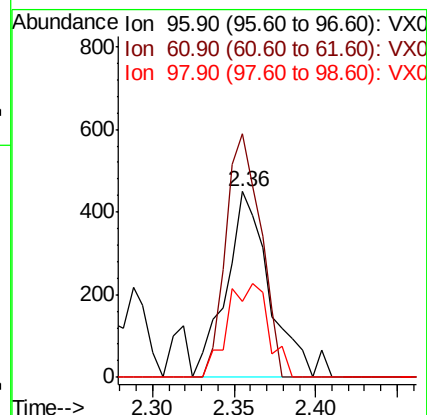
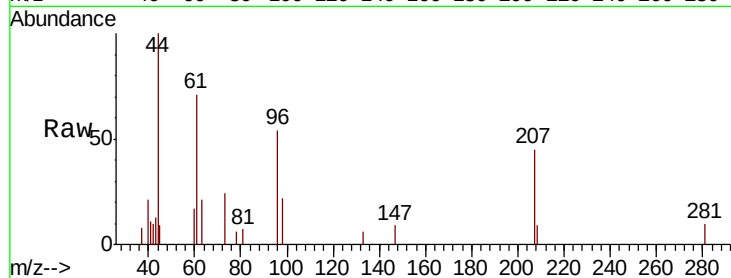
Tot Ion: 96 Resp: 837

Ion Ratio Lower Upper

96 100

61 131.2 124.8 187.2

98 41.2 49.7 74.5#



#13

Acrolein

Concen: 0.769 ug/l

RT: 2.27 min Scan# 194

Delta R.T. -0.00 min

Lab File: VX016382.D

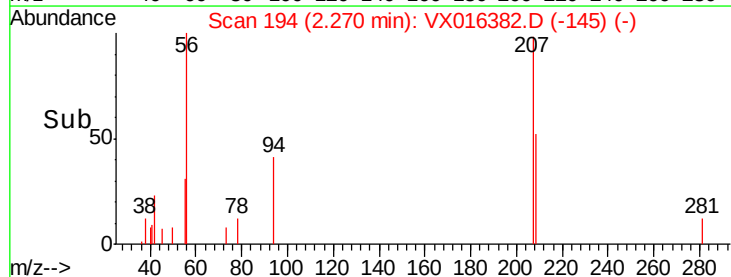
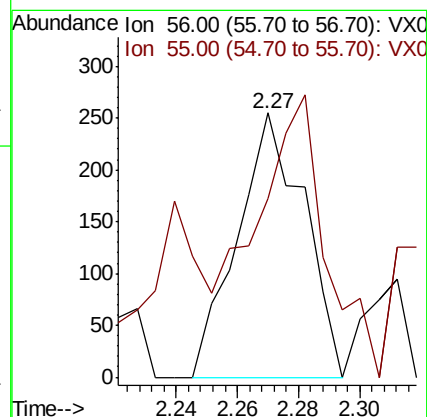
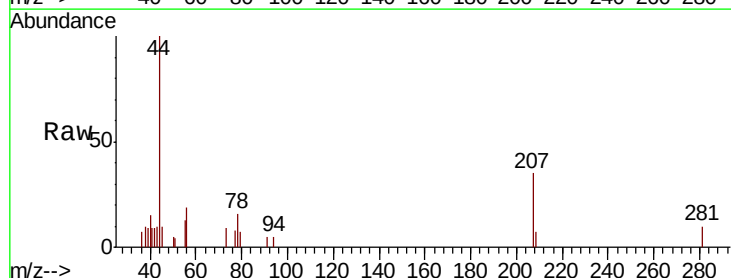
Acq: 21 May 2020 14:41

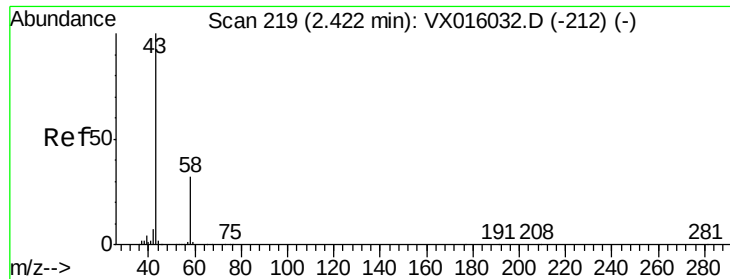
Tgt Ion: 56 Resp: 386

Ion Ratio Lower Upper

56 100

55 112.7 56.5 84.7#





#16

Acetone

Concen: 0.517 ug/l

RT: 2.42 min Scan# 219

Delta R.T. -0.00 min

Lab File: VX016382.D

Acq: 21 May 2020 14:41

Instrument :

MSVOA_X

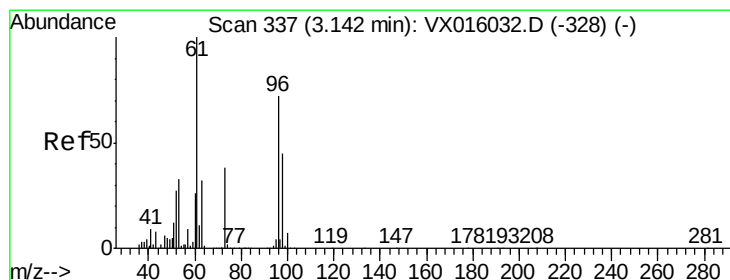
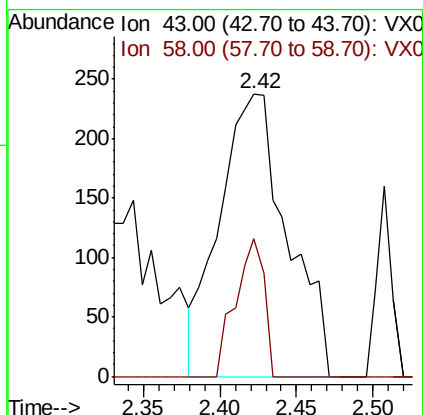
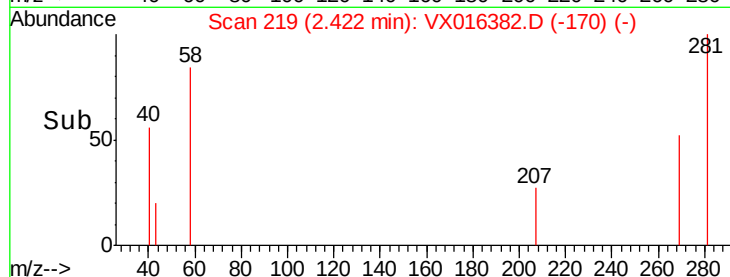
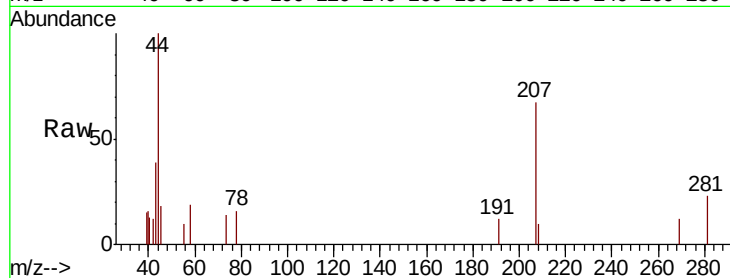
ClientSampleId :

Tot Ion: 43 Resp: 732

Ion Ratio Lower Upper

43 100

58 48.7 25.4 38.0#



#21

trans-1,2-Dichloroethene

Concen: 0.396 ug/l

RT: 3.14 min Scan# 336

Delta R.T. -0.01 min

Lab File: VX016382.D

Acq: 21 May 2020 14:41

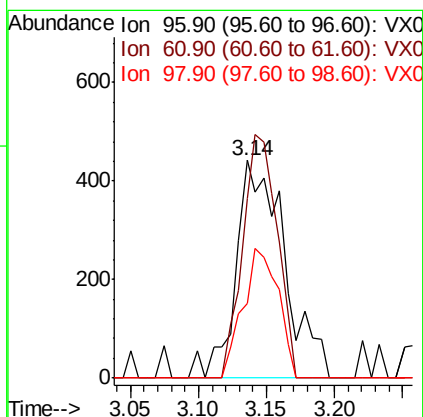
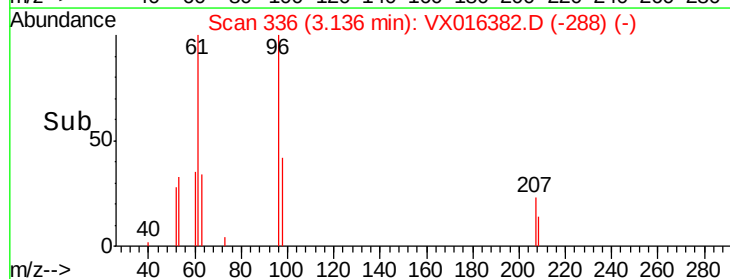
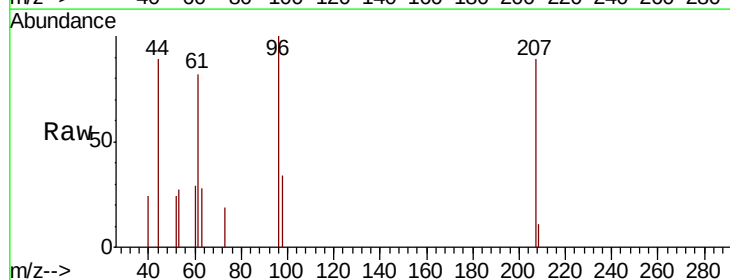
Tgt Ion: 96 Resp: 1106

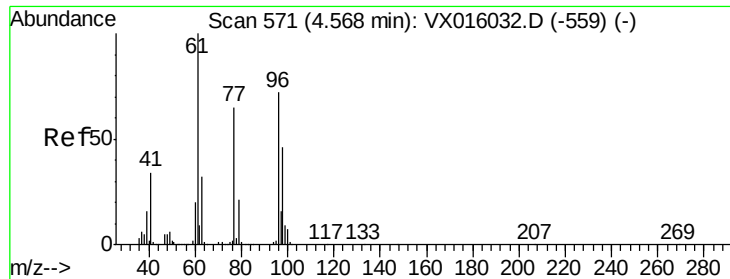
Ion Ratio Lower Upper

96 100

61 82.4 111.2 166.8#

98 34.4 50.2 75.4#



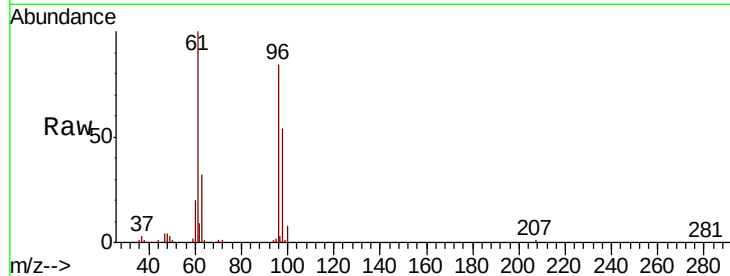


#27

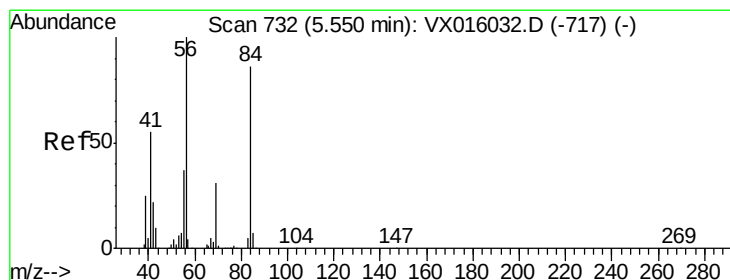
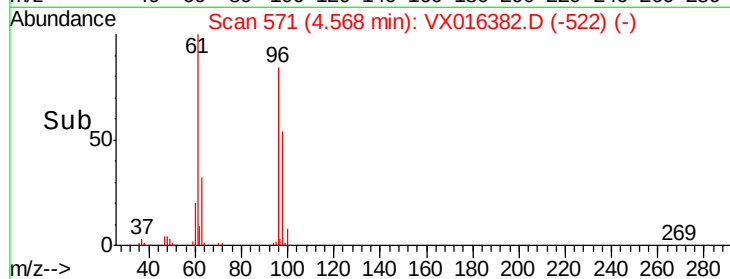
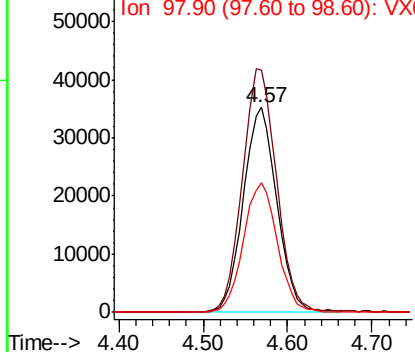
cis-1,2-Dichloroethene
 Concen: 31.097 ug/l
 RT: 4.57 min Scan# 571
 Delta R.T. -0.00 min
 Lab File: VX016382.D
 Acq: 21 May 2020 14:41

Instrument :
 MSVOA_X
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
96	100		
61	121.6	0.0	296.2
98	64.0	0.0	129.4



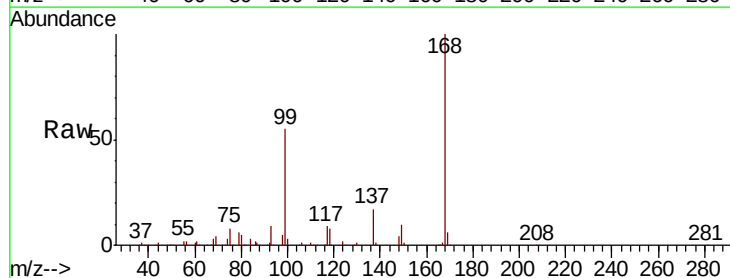
Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0



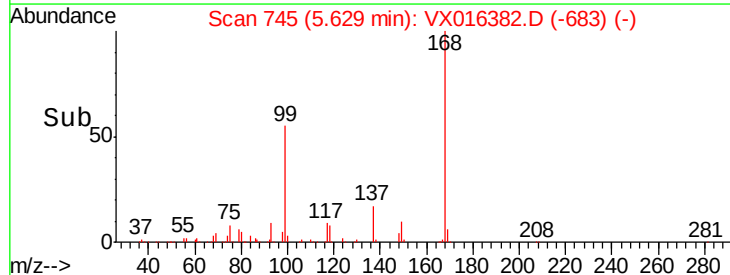
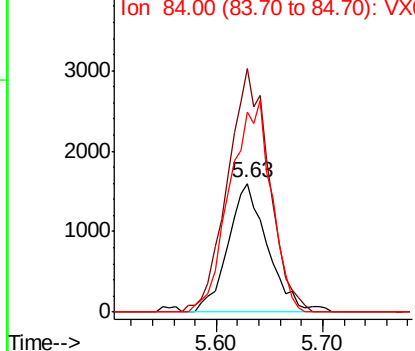
#31

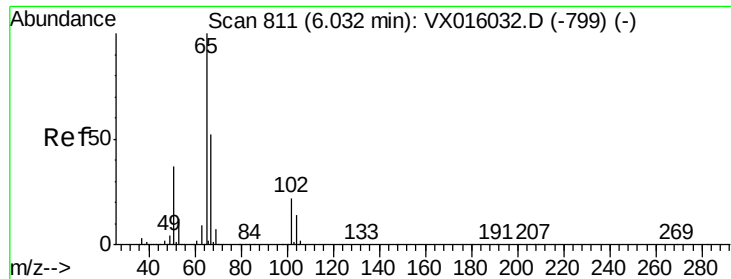
Cyclohexane
 Concen: 0.944 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. 0.08 min
 Lab File: VX016382.D
 Acq: 21 May 2020 14:41

Tgt Ion	Ratio	Lower	Upper
56	100		
69	188.9	25.0	37.6#
84	155.6	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

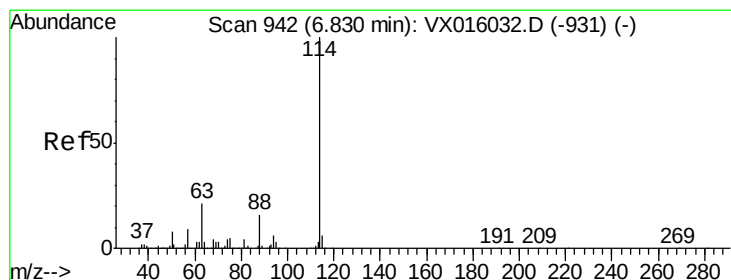
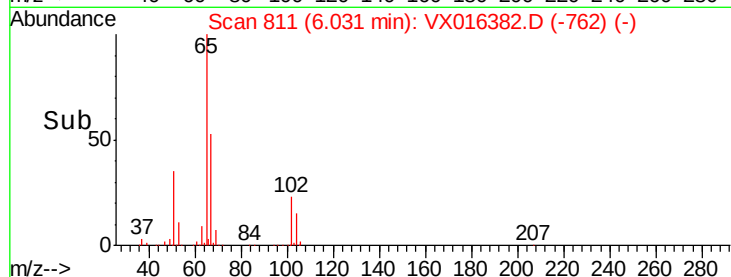
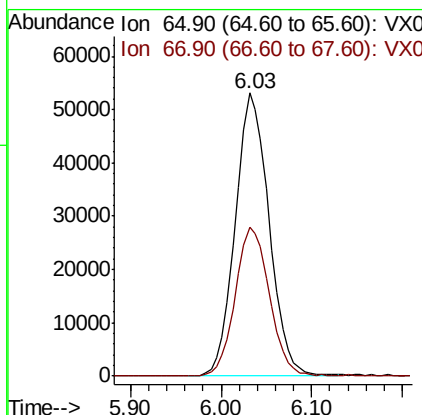
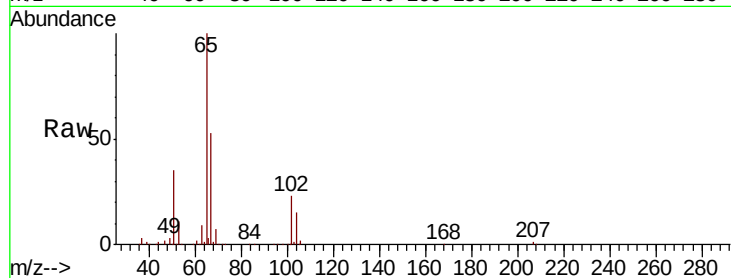




#33
 1,2-Dichloroethane-d4
 Concen: 43.250 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. -0.00 min
 Lab File: VX016382.D
 Acq: 21 May 2020 14:41

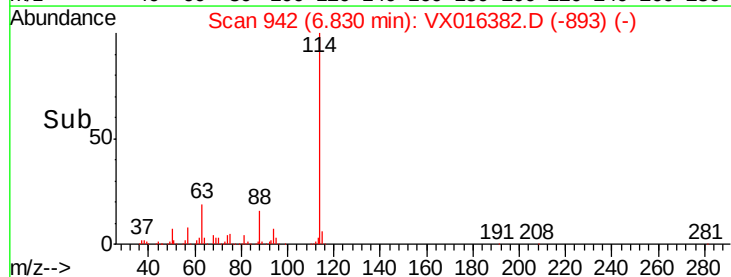
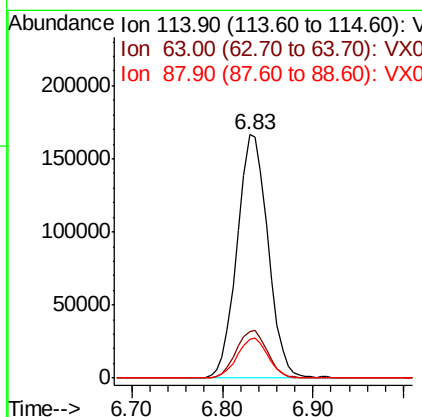
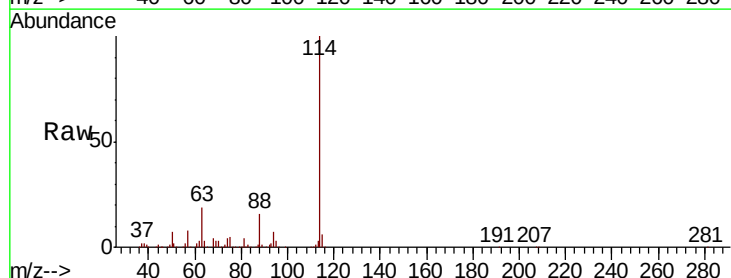
Instrument :
 MSVOA_X
 ClientSampleId :

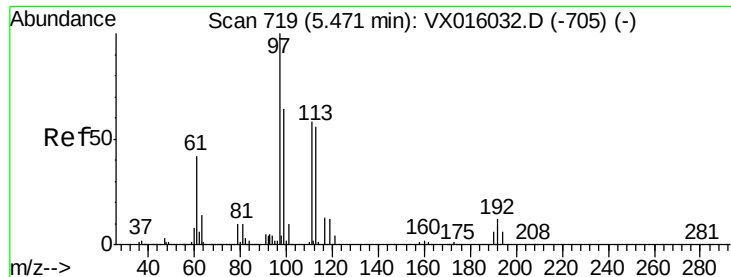
Tot Ion: 65 Resp: 137254
 Ion Ratio Lower Upper
 65 100
 67 53.3 0.0 104.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. -0.00 min
 Lab File: VX016382.D
 Acq: 21 May 2020 14:41

Tgt Ion: 114 Resp: 393921
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 42.8
 88 15.9 0.0 31.4

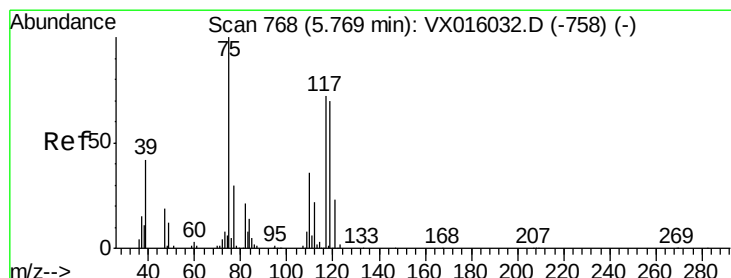
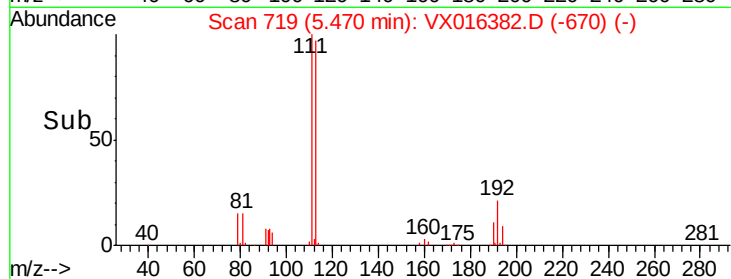
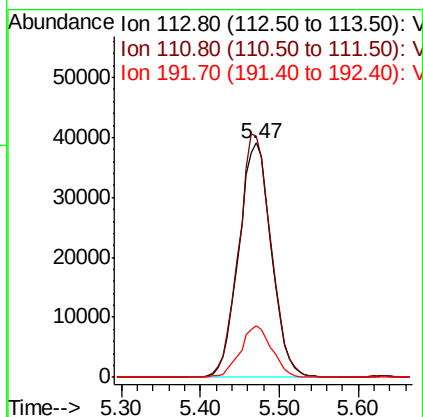
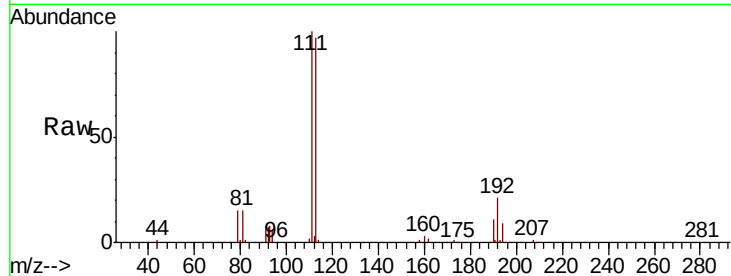




#35
 Dibromofluoromethane
 Concen: 44.991 ug/l
 RT: 5.47 min Scan# 719
 Delta R.T. -0.00 min
 Lab File: VX016382.D
 Acq: 21 May 2020 14:41

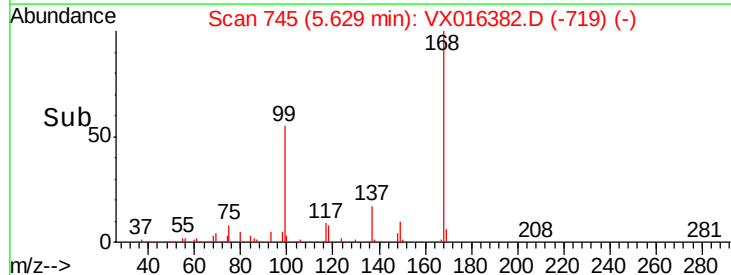
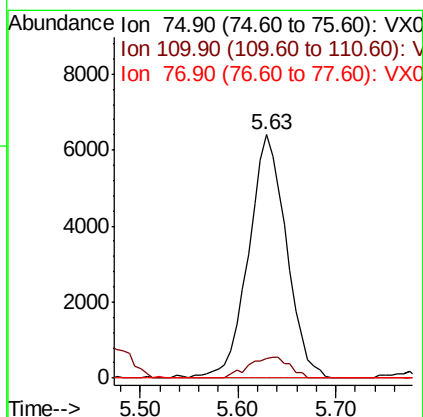
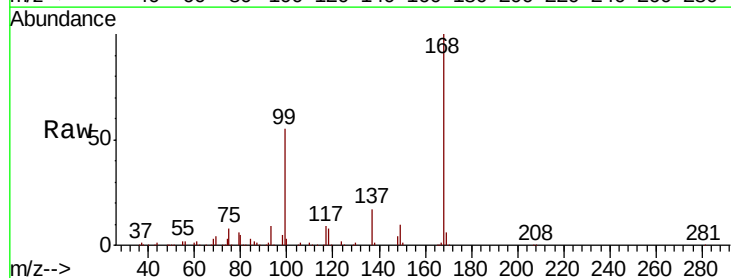
Instrument :
 MSVOA_X
 ClientSampleId :

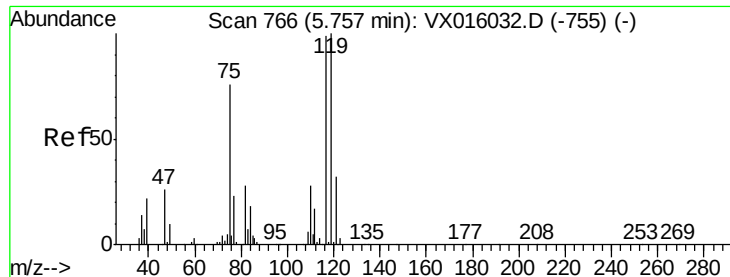
Tot Ion:113 Resp: 112281
 Ion Ratio Lower Upper
 113 100
 111 102.9 81.6 122.4
 192 21.5 17.0 25.4



#36
 1,1-Dichloropropene
 Concen: 4.449 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.14 min
 Lab File: VX016382.D
 Acq: 21 May 2020 14:41

Tgt Ion: 75 Resp: 17251
 Ion Ratio Lower Upper
 75 100
 110 9.3 18.1 54.1#
 77 0.0 25.0 37.6#





#38

Carbon Tetrachloride

Concen: 5.646 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.12 min

Lab File: VX016382.D

Acq: 21 May 2020 14:41

Instrument :

MSVOA_X

ClientSampled :

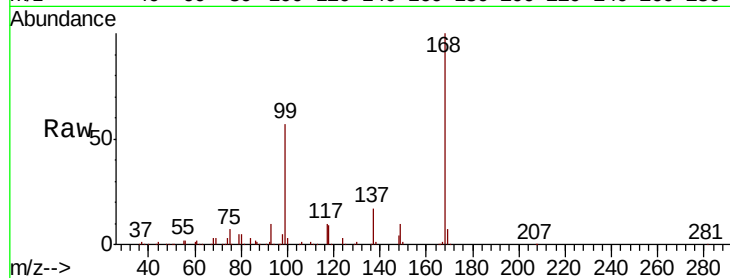
Tot Ion:117 Resp: 22253

Ion Ratio Lower Upper

117 100

119 4.3 80.3 120.5#

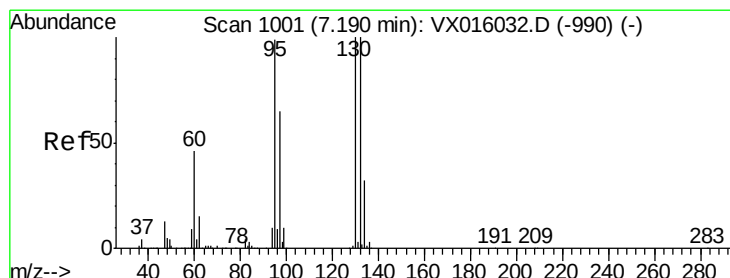
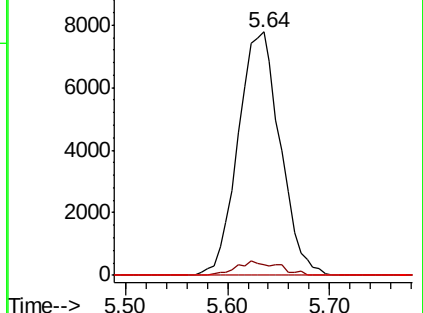
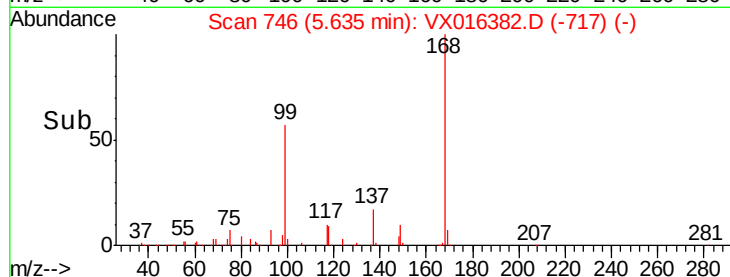
121 0.0 25.7 38.5#



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



#44

Trichloroethene

Concen: 3.091 ug/l

RT: 7.19 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VX016382.D

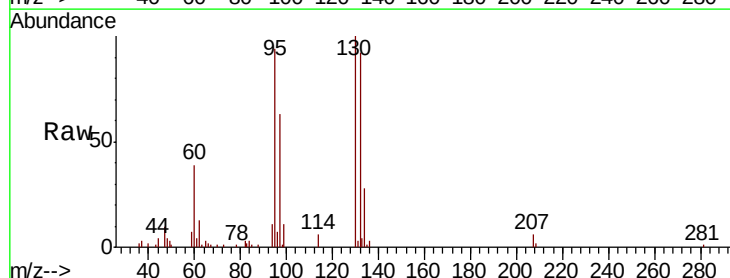
Acq: 21 May 2020 14:41

Tgt Ion:130 Resp: 12458

Ion Ratio Lower Upper

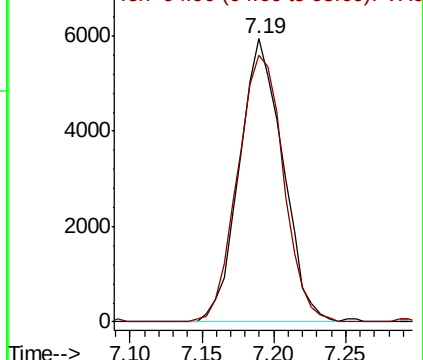
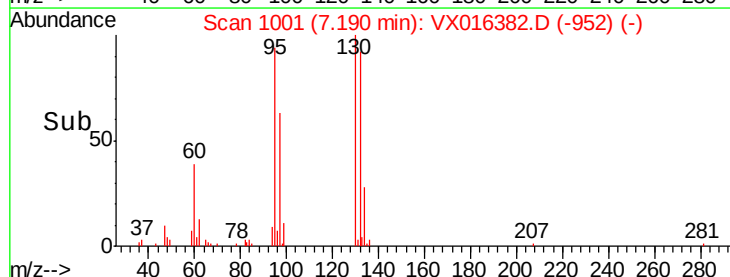
130 100

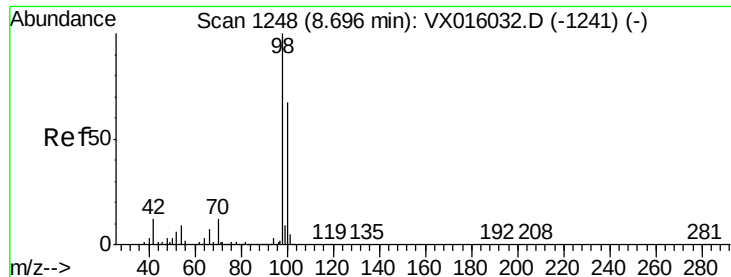
95 94.2 0.0 197.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

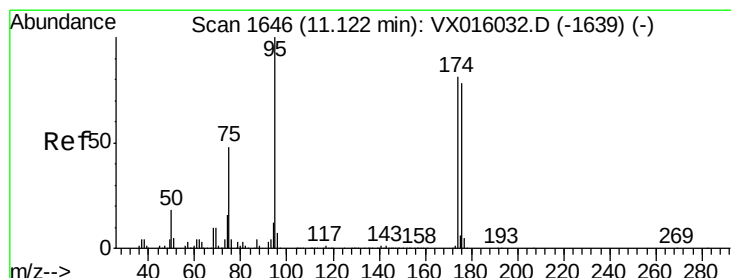
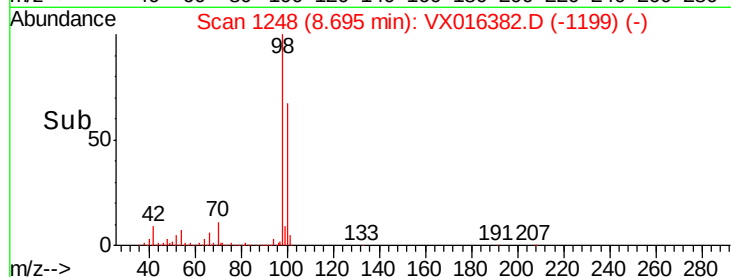
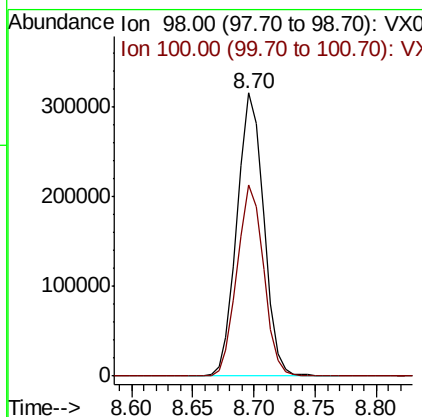
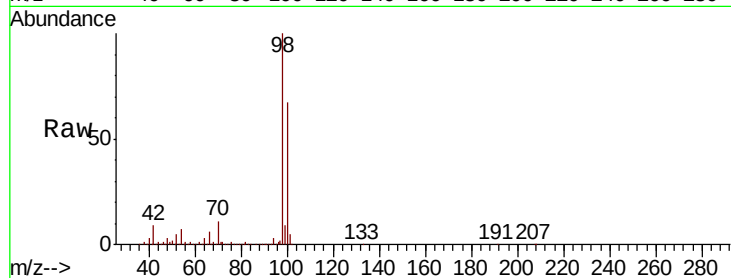




#50
Toluene-d8
Concen: 49.867 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX016382.D
Acq: 21 May 2020 14:41

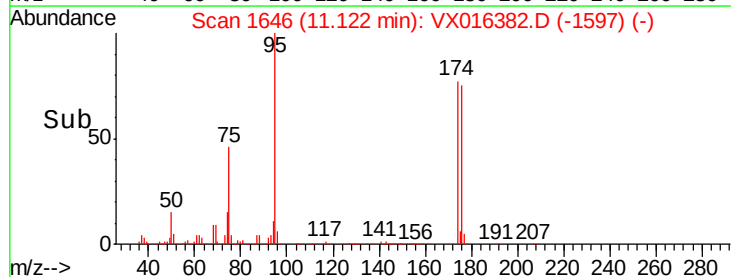
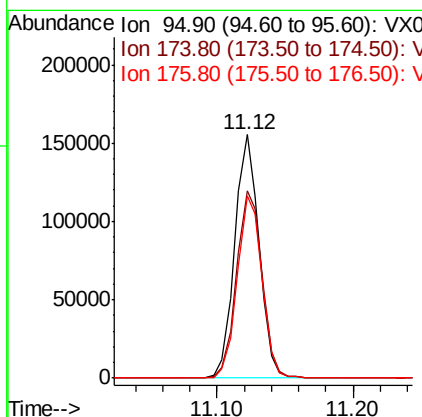
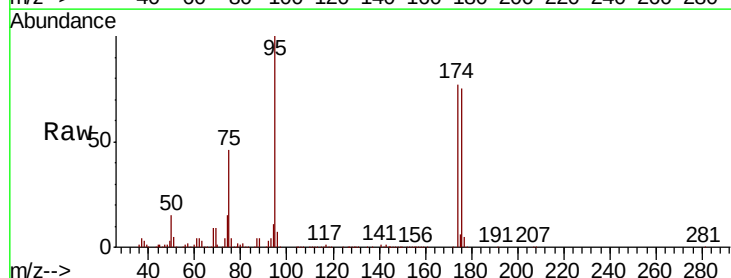
Instrument :
MSVOA_X
ClientSampleId :

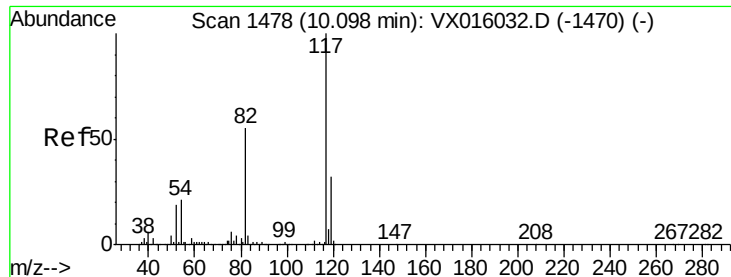
Tot Ion: 98 Resp: 479521
Ion Ratio Lower Upper
98 100
100 67.1 53.7 80.5



#62
4-Bromofluorobenzene
Concen: 52.752 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX016382.D
Acq: 21 May 2020 14:41

Tgt Ion: 95 Resp: 192938
Ion Ratio Lower Upper
95 100
174 80.6 0.0 159.4
176 76.1 0.0 157.6

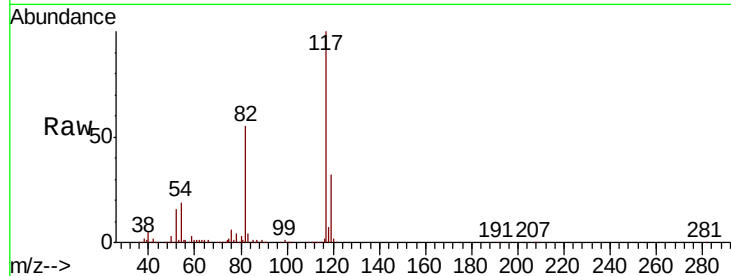




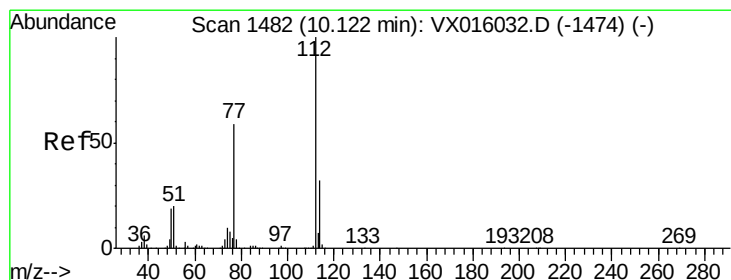
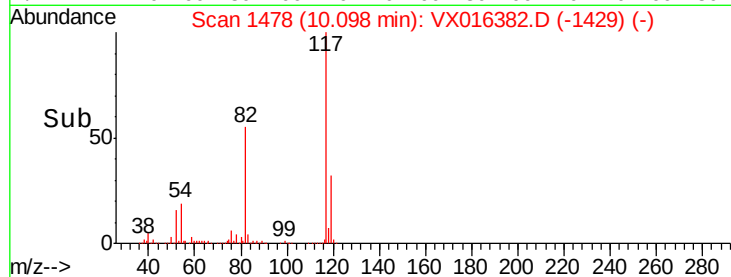
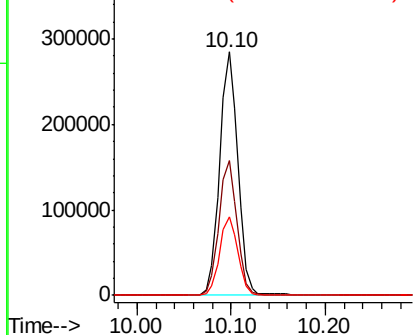
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX016382.D
Acq: 21 May 2020 14:41

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:117 Resp: 382986
Ion Ratio Lower Upper
117 100
82 55.4 44.4 66.6
119 32.3 25.5 38.3

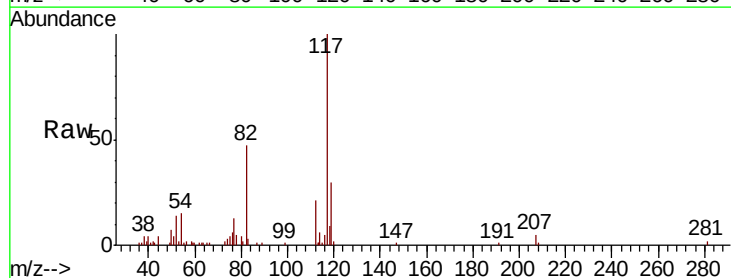


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

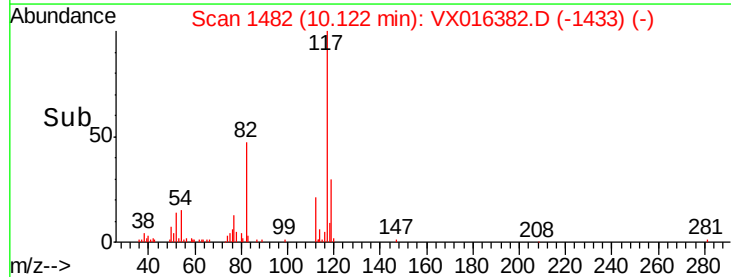
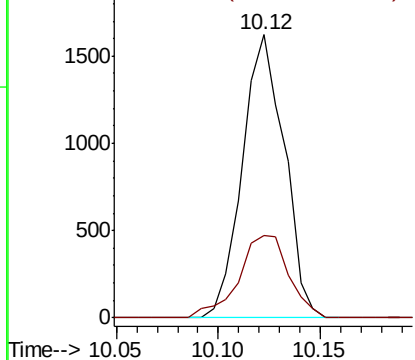


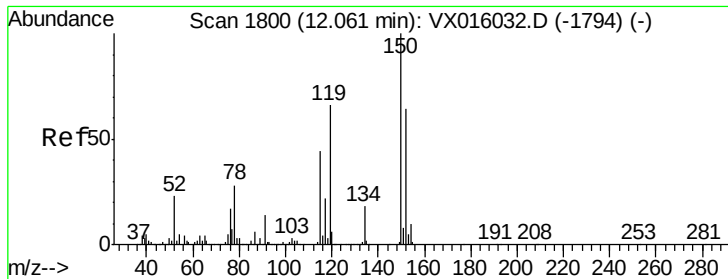
#65
Chlorobenzene
Concen: 0.289 ug/l
RT: 10.12 min Scan# 1482
Delta R.T. -0.00 min
Lab File: VX016382.D
Acq: 21 May 2020 14:41

Tgt Ion:112 Resp: 2314
Ion Ratio Lower Upper
112 100
114 29.2 25.7 38.5



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: VX016382.D

Acq: 21 May 2020 14:41

Instrument :

MSVOA_X

ClientSampleId :

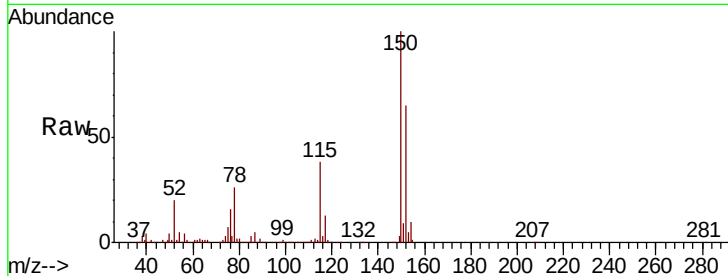
Tot Ion:152 Resp: 191471

Ion Ratio Lower Upper

152 100

115 58.6 41.3 124.1

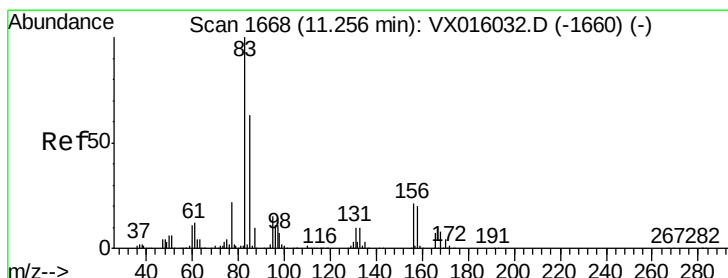
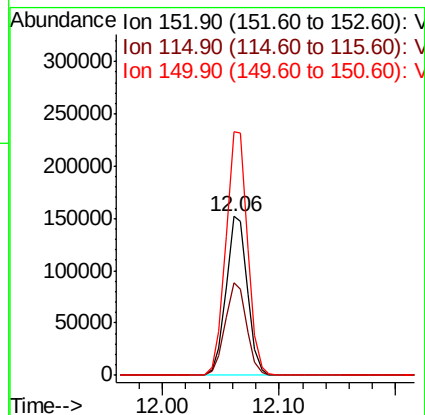
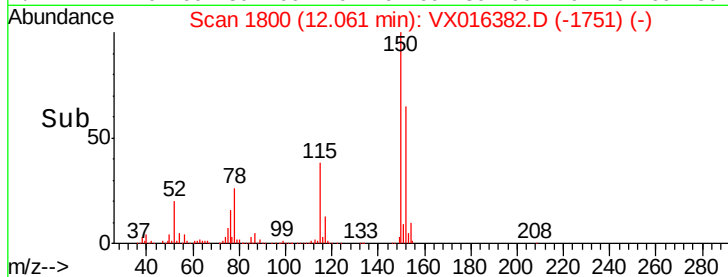
150 156.2 0.0 352.2



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#75

1,1,2,2-Tetrachloroethane

Concen: 2.086 ug/l

RT: 11.12 min Scan# 1645

Delta R.T. -0.14 min

Lab File: VX016382.D

Acq: 21 May 2020 14:41

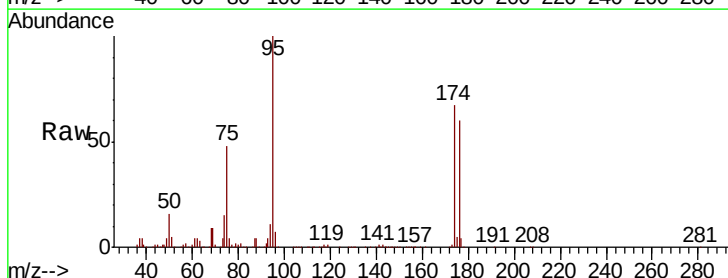
Tgt Ion: 83 Resp: 97

Ion Ratio Lower Upper

83 100

131 245.4 5.1 15.4#

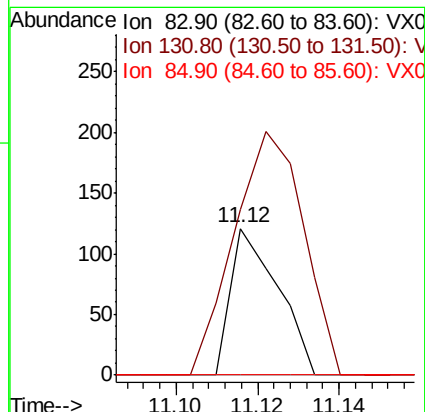
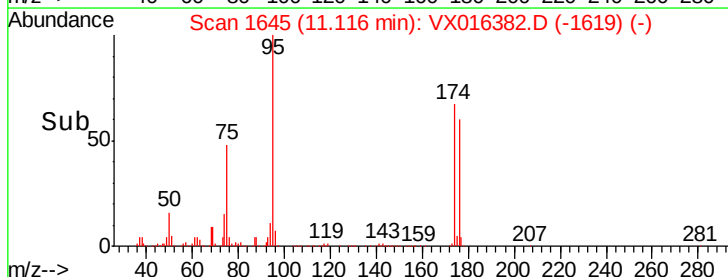
85 0.0 32.0 96.0#

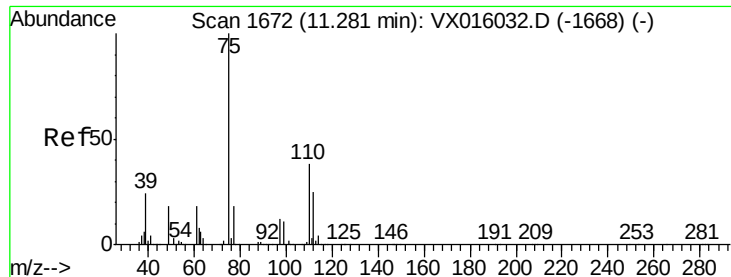


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0





#76

1,2,3-Trichloropropane

Concen: 20.902 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016382.D

Acq: 21 May 2020 14:41

Instrument :

MSVOA_X

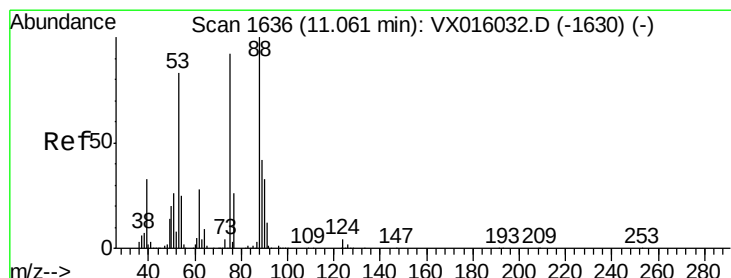
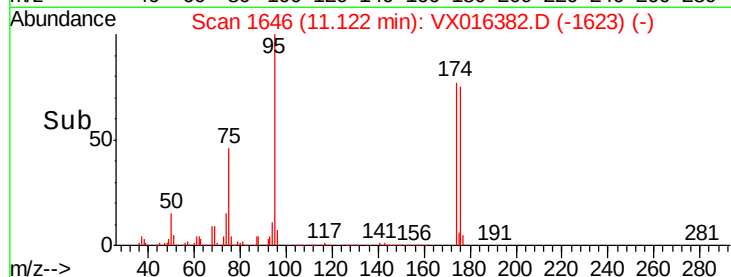
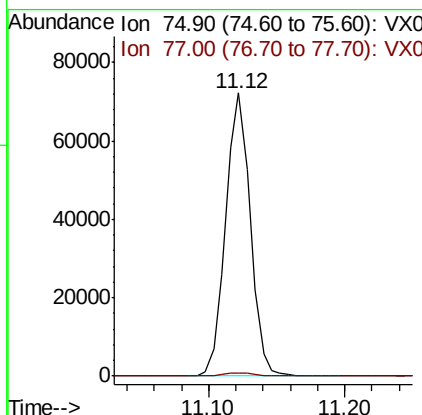
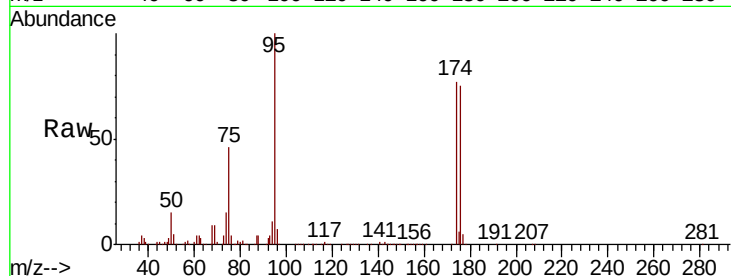
ClientSampled :

Tot Ion: 75 Resp: 90817

Ion Ratio Lower Upper

75 100

77 1.3 21.2 63.6#



#81

trans-1,4-Dichloro-2-butene

Concen: 49.811 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX016382.D

Acq: 21 May 2020 14:41

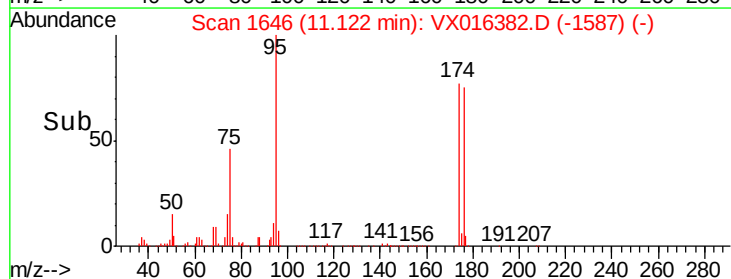
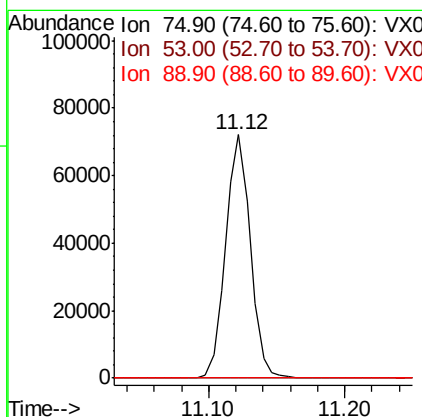
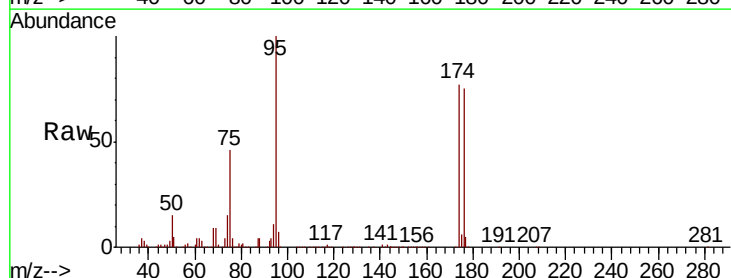
Tgt Ion: 75 Resp: 90817

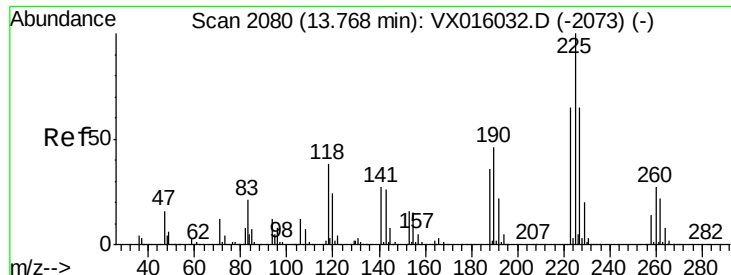
Ion Ratio Lower Upper

75 100

53 0.0 73.1 109.7#

89 0.1 36.7 55.1#





#94

Hexachlorobutadiene

Concen: 0.664 ug/l

RT: 13.76 min Scan# 2079

Delta R.T. -0.01 min

Lab File: VX016382.D

Acq: 21 May 2020 14:41

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 225 Resp: 282

Ion Ratio Lower Upper

225 100

223 45.4 32.3 96.9

227 47.9 31.8 95.4

