

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX051520\
 Data File : VX016280.D
 Acq On : 15 May 2020 15:03
 Operator : JC/SP
 Sample : L2649-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S32-0680

Quant Time: May 16 06:43:12 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	237471	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	397115	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	391540	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	204433	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.04	65	146670	46.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.88%	
35) Dibromofluoromethane	5.47	113	116368	46.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.50%	
50) Toluene-d8	8.70	98	497981	51.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.74%	
62) 4-Bromofluorobenzene	11.12	95	196900	53.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.80%	

Target Compounds

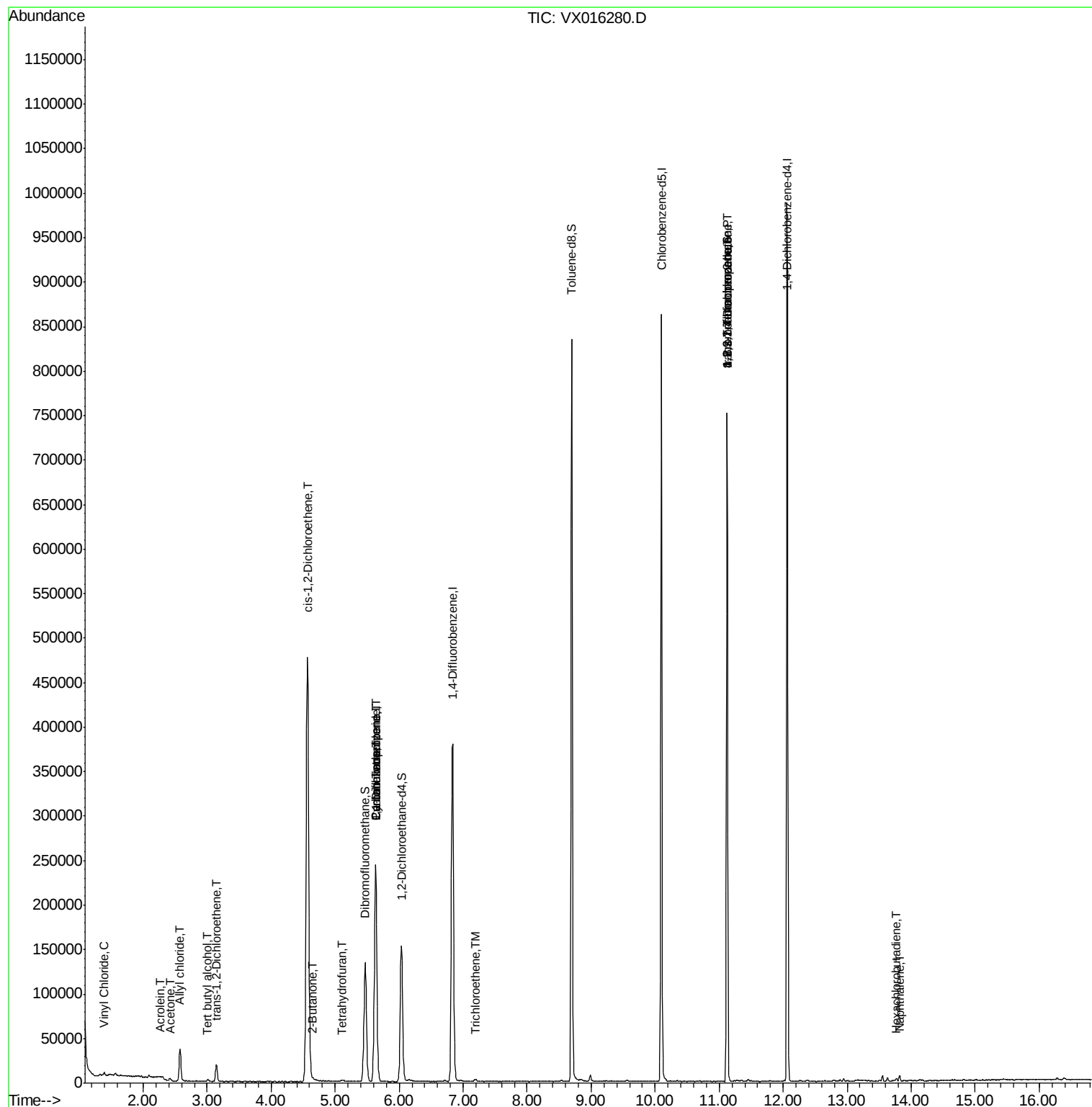
						Qvalue
4) Vinyl Chloride	1.39	62	1840	0.591	ug/l	92
11) Tert butyl alcohol	3.01	59	2914	3.688	ug/l #	91
13) Acrolein	2.27	56	143	0.289	ug/l #	81
14) Allyl chloride	2.57	41	3272	0.723	ug/l #	51
16) Acetone	2.42	43	3030	2.173	ug/l	89
21) trans-1,2-Dichloroethene	3.14	96	8395	3.052	ug/l	96
25) 2-Butanone	4.65	43	772	0.344	ug/l	94
27) cis-1,2-Dichloroethene	4.57	96	312689	103.974	ug/l	88
29) Tetrahydrofuran	5.10	42	1253	0.842	ug/l #	52
31) Cyclohexane	5.64	56	4260	0.981	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	18113	4.634	ug/l #	49
38) Carbon Tetrachloride	5.64	117	23161	5.829	ug/l #	13
44) Trichloroethene	7.20	130	1009	0.248	ug/l	86
75) 1,1,2,2-Tetrachloroethane	11.12	83	124	2.094	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	95510	20.588	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	95510	49.063	ug/l #	13
94) Hexachlorobutadiene	13.77	225	74	0.558	ug/l #	18
95) Naphthalene	13.82	128	3694	0.232	ug/l	98

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

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S32-0680

Quant Time: May 16 06:43:12 2020
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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: VX016280.D

Acq: 15 May 2020 15:03

Instrument :

MSVOA_X

ClientSampleId :

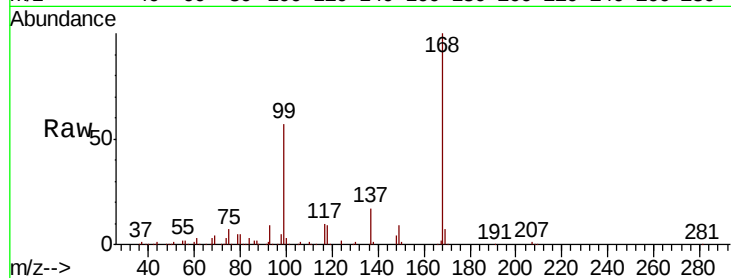
S32-0680

Tot Ion:168 Resp: 237471

Ion Ratio Lower Upper

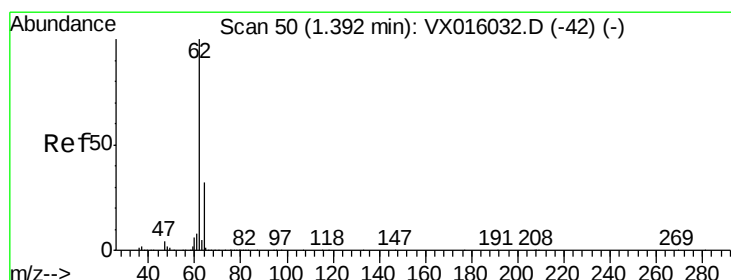
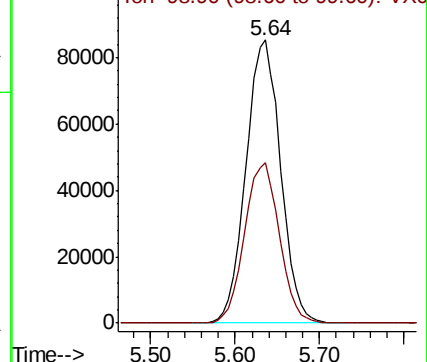
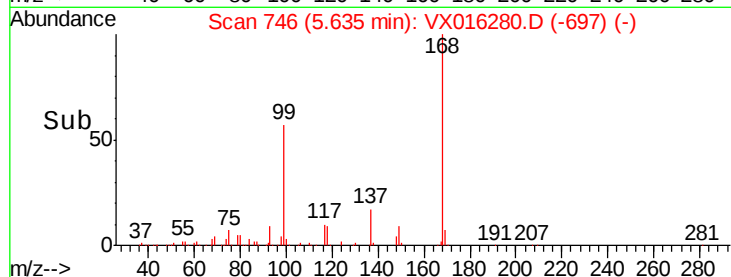
168 100

99 56.9 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: 0.591 ug/l

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX016280.D

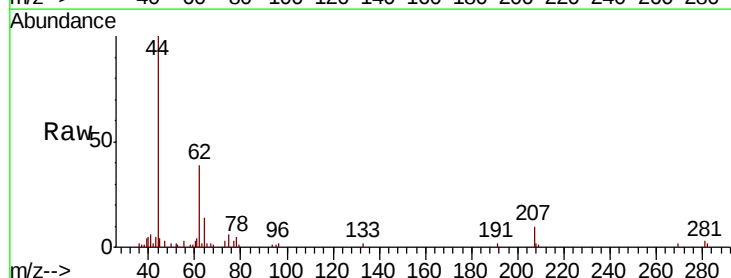
Acq: 15 May 2020 15:03

Tgt Ion: 62 Resp: 1840

Ion Ratio Lower Upper

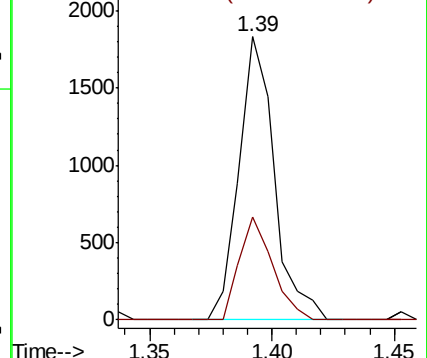
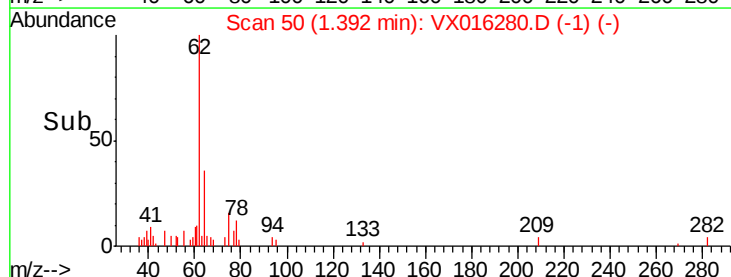
62 100

64 36.5 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

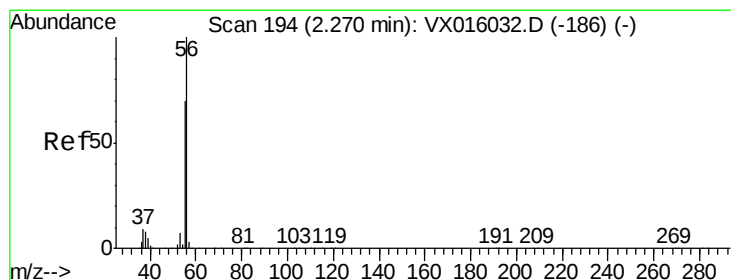
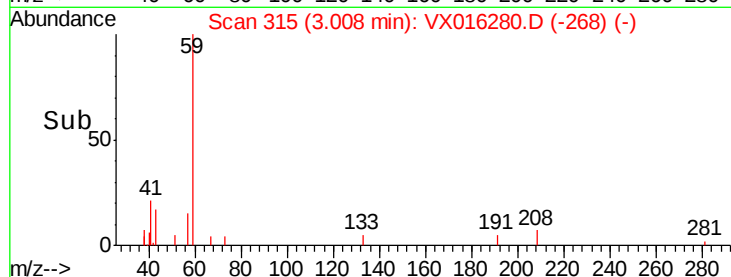
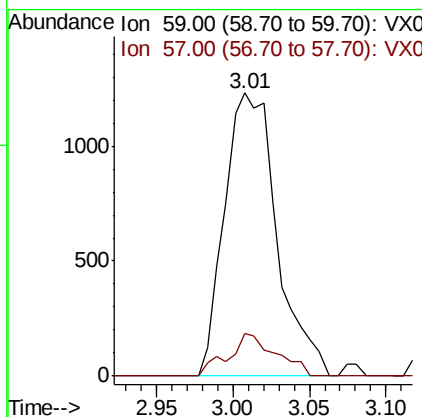
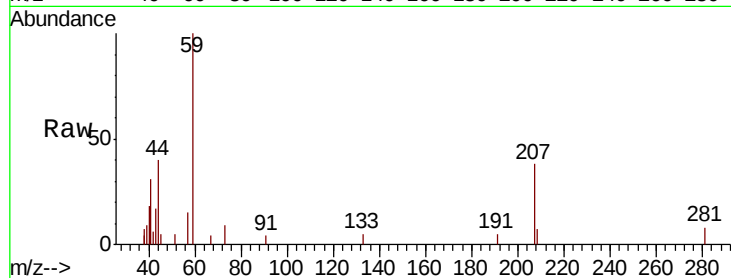




#11
Tert butyl alcohol
Concen: 3.688 ug/l
RT: 3.01 min Scan# 315
Delta R.T. -0.01 min
Lab File: VX016280.D
Acq: 15 May 2020 15:03

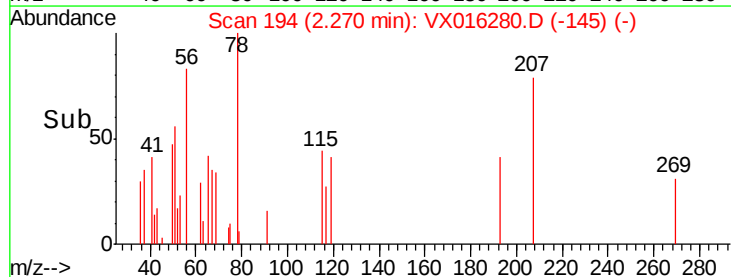
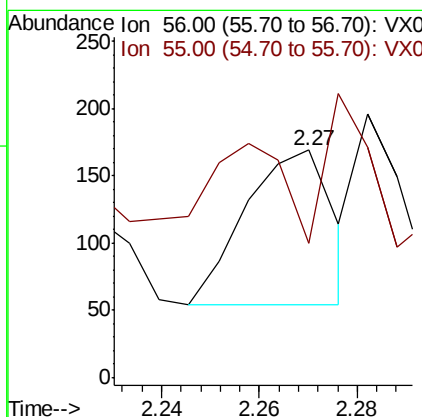
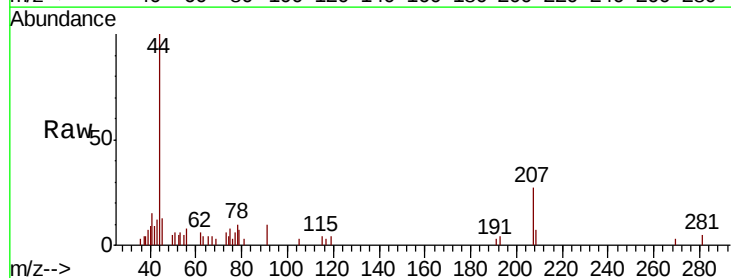
Instrument :
MSVOA_X
ClientSampled :
S32-0680

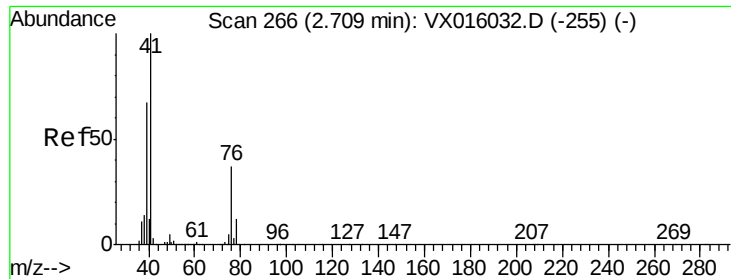
Tot Ion: 59 Resp: 2914
Ion Ratio Lower Upper
59 100
57 13.8 8.2 12.4#



#13
Acrolein
Concen: 0.289 ug/l
RT: 2.27 min Scan# 194
Delta R.T. -0.00 min
Lab File: VX016280.D
Acq: 15 May 2020 15:03

Tgt Ion: 56 Resp: 143
Ion Ratio Lower Upper
56 100
55 55.2 56.5 84.7#

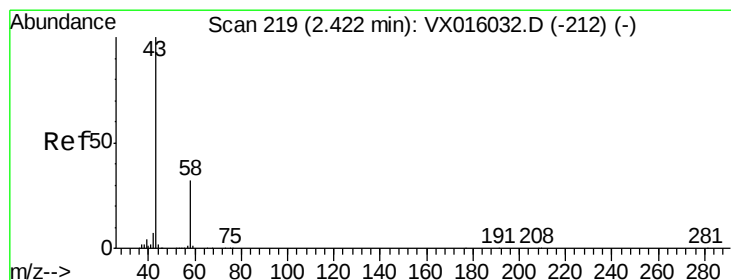
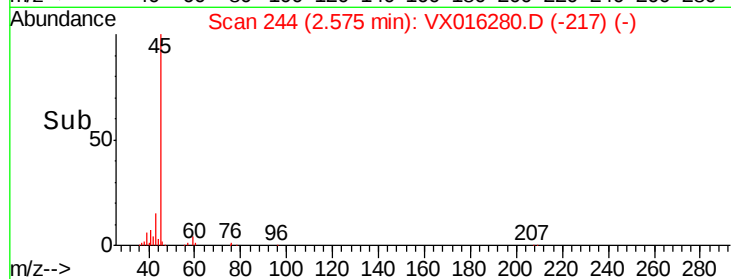
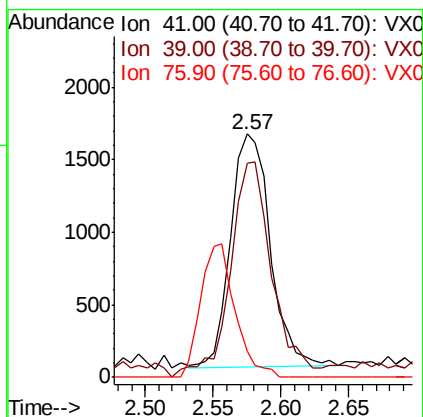
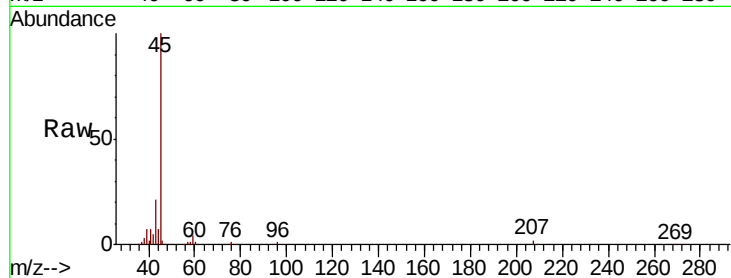




#14
Allvl chloride
Concen: 0.723 ug/l
RT: 2.57 min Scan# 244
Delta R.T. -0.13 min
Lab File: VX016280.D
Acq: 15 May 2020 15:03

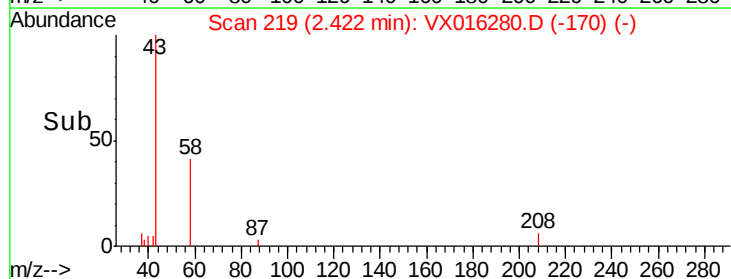
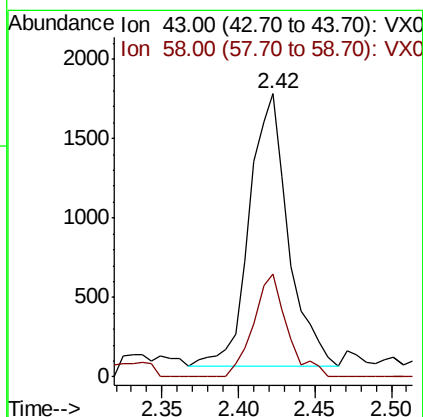
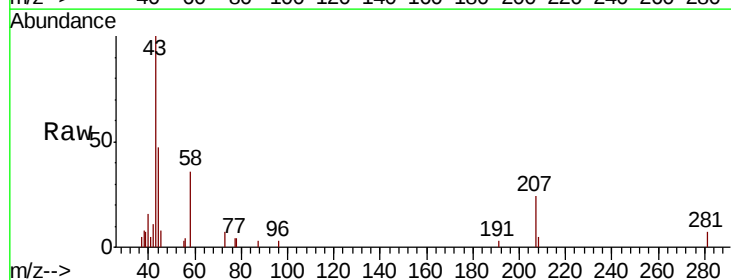
Instrument :
MSVOA_X
ClientSampleId :
S32-0680

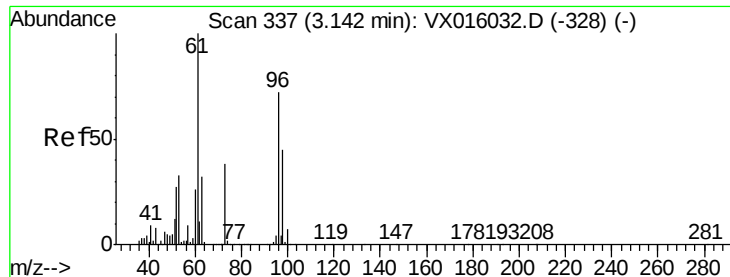
Tot Ion: 41 Resp: 3272
Ion Ratio Lower Upper
41 100
39 97.1 50.5 75.7#
76 0.0 26.6 40.0#



#16
Acetone
Concen: 2.173 ug/l
RT: 2.42 min Scan# 219
Delta R.T. -0.00 min
Lab File: VX016280.D
Acq: 15 May 2020 15:03

Tgt Ion: 43 Resp: 3030
Ion Ratio Lower Upper
43 100
58 37.8 25.4 38.0





#21

trans-1,2-Dichloroethene

Concen: 3.052 ug/l

RT: 3.14 min Scan# 337

Delta R.T. -0.00 min

Lab File: VX016280.D

Acq: 15 May 2020 15:03

Instrument :

MSVOA_X

ClientSampleId :

S32-0680

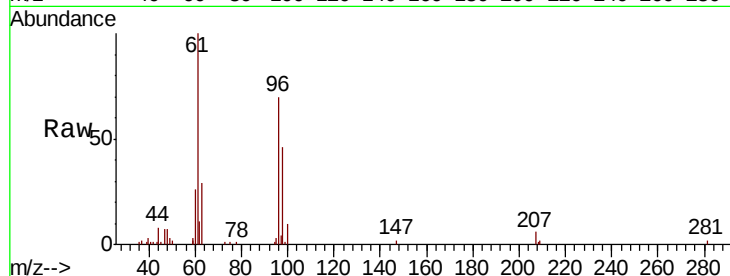
Tot Ion: 96 Resp: 8395

Ion Ratio Lower Upper

96 100

61 143.5 111.2 166.8

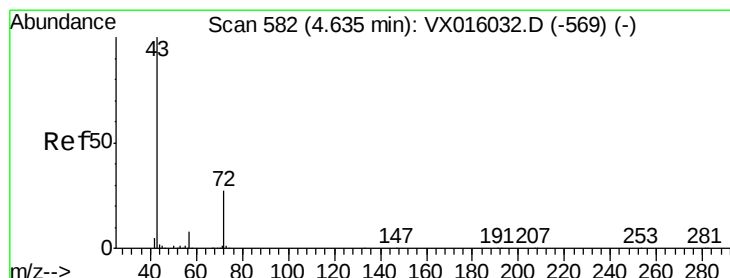
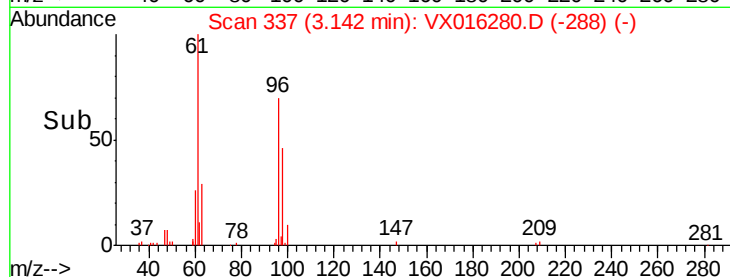
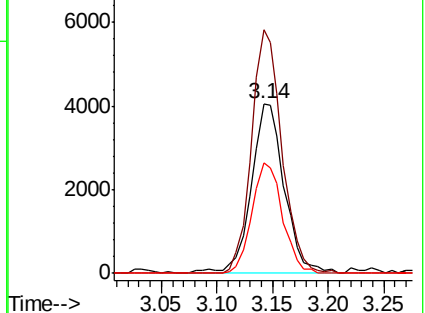
98 65.4 50.2 75.4



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: 0.344 ug/l

RT: 4.65 min Scan# 585

Delta R.T. 0.02 min

Lab File: VX016280.D

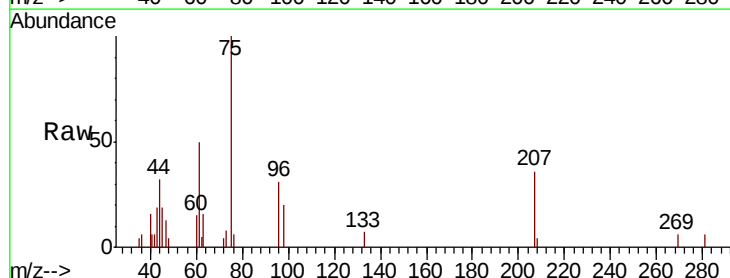
Acq: 15 May 2020 15:03

Tgt Ion: 43 Resp: 772

Ion Ratio Lower Upper

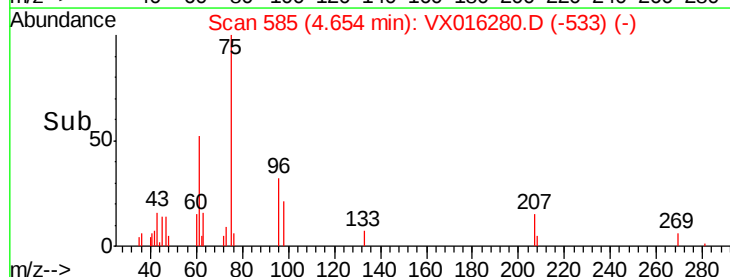
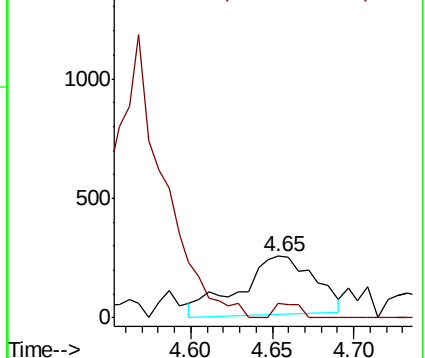
43 100

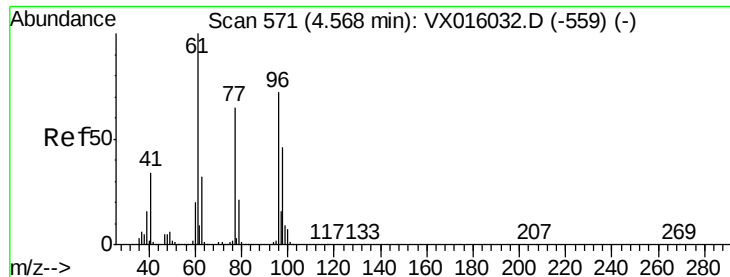
72 30.4 21.8 32.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



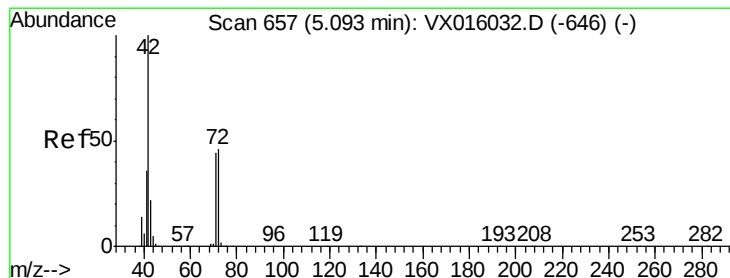
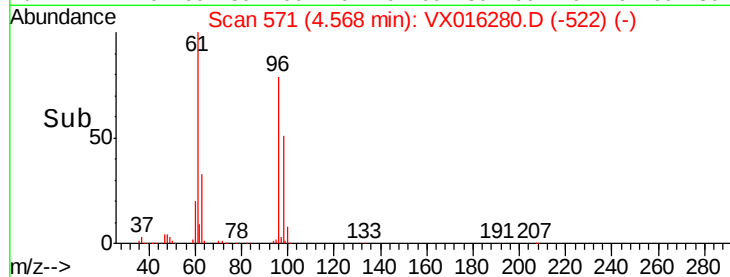
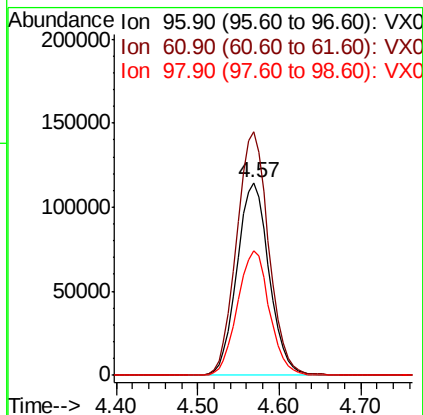
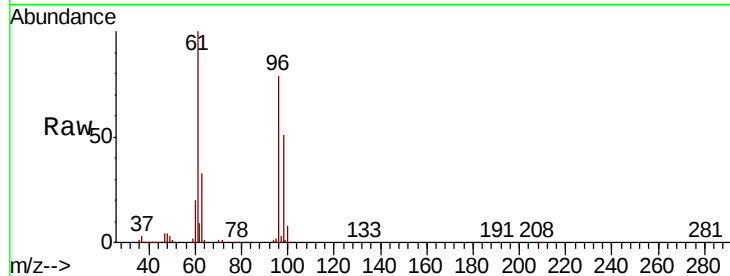


#27

cis-1,2-Dichloroethene
 Concen: 103.974 ug/l
 RT: 4.57 min Scan# 571
 Delta R.T. -0.00 min
 Lab File: VX016280.D
 Acq: 15 May 2020 15:03

Instrument :
 MSVOA_X
 ClientSampleId :
 S32-0680

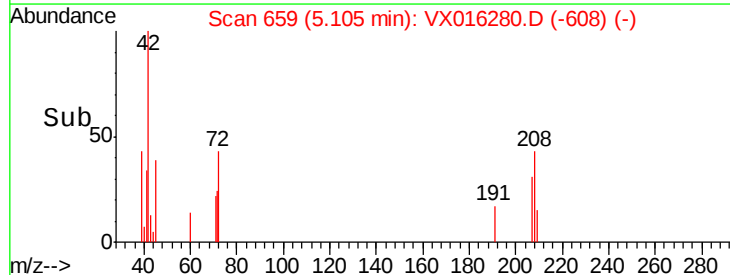
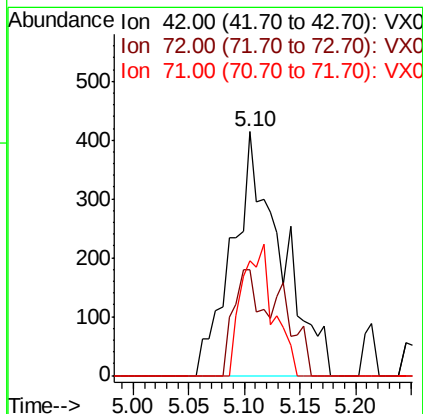
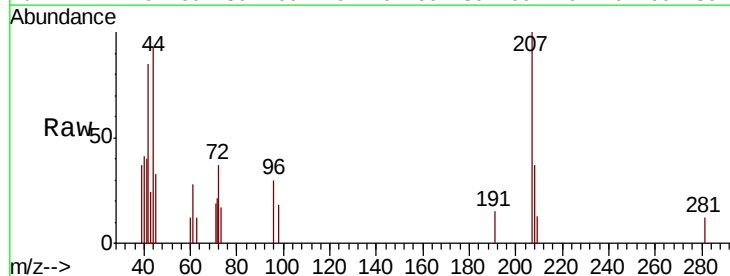
Tot Ion	Ratio	Lower	Upper
96	100		
61	126.8	0.0	296.2
98	64.8	0.0	129.4

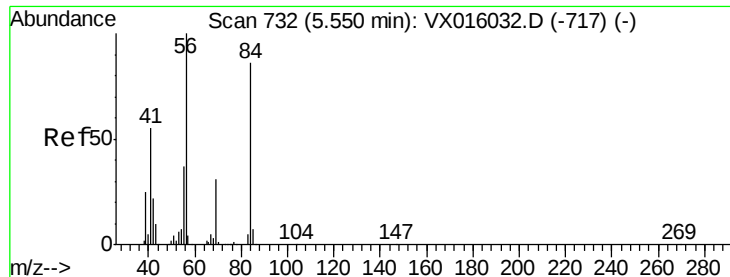


#29

Tetrahydrofuran
 Concen: 0.842 ug/l
 RT: 5.10 min Scan# 659
 Delta R.T. 0.01 min
 Lab File: VX016280.D
 Acq: 15 May 2020 15:03

Tgt Ion	Ratio	Lower	Upper
42	100		
72	26.1	37.1	55.7#
71	0.0	34.5	51.7#

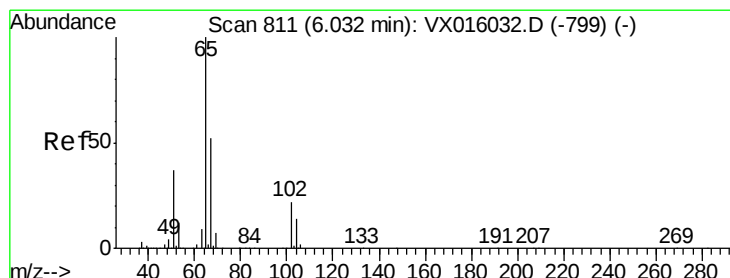
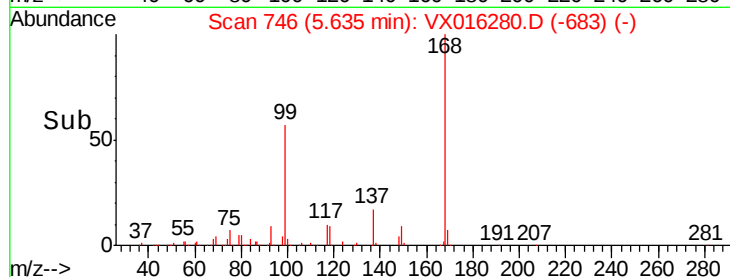
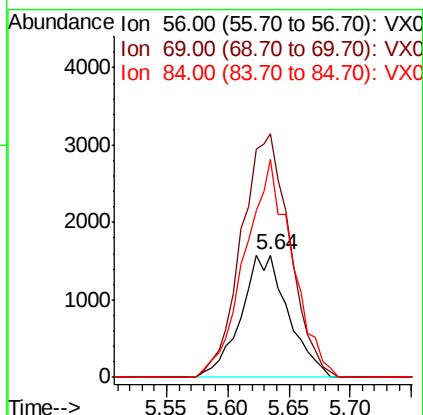
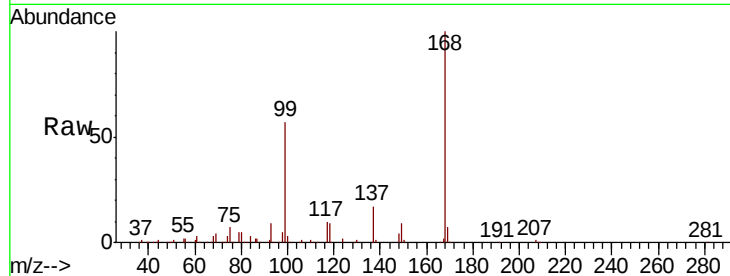




#31
Cyclohexane
Concen: 0.981 ug/l
RT: 5.64 min Scan# 746
Delta R.T. 0.09 min
Lab File: VX016280.D
Acq: 15 May 2020 15:03

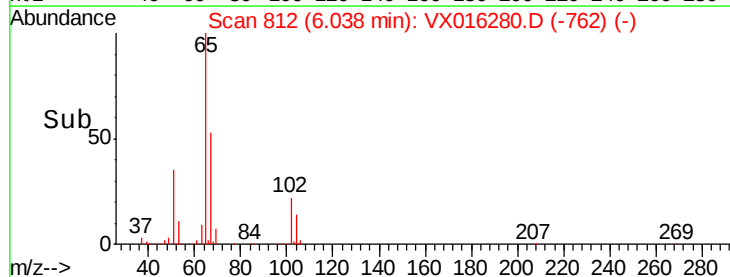
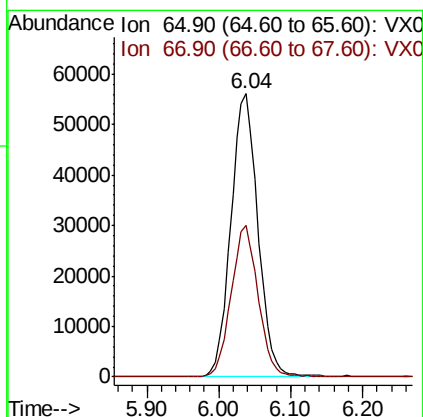
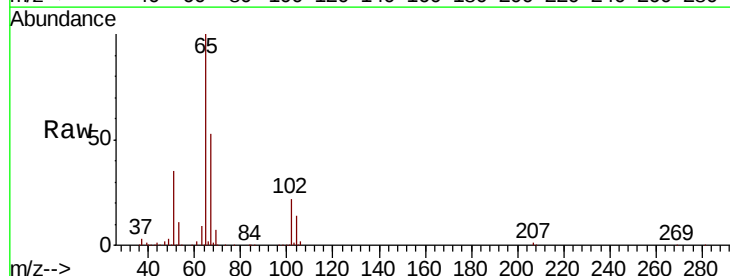
Instrument :
MSVOA_X
ClientSampleId :
S32-0680

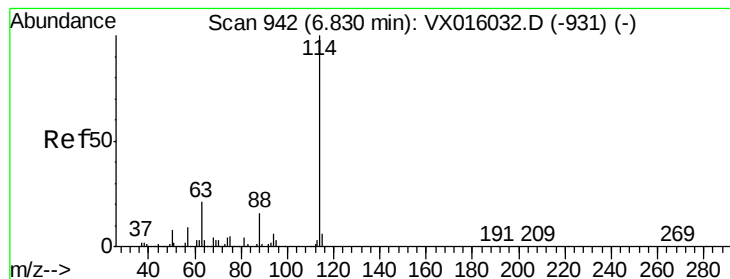
Tot Ion: 56 Resp: 4260
Ion Ratio Lower Upper
56 100
69 198.5 25.0 37.6#
84 177.7 69.0 103.6#



#33
1,2-Dichloroethane-d4
Concen: 46.936 ug/l
RT: 6.04 min Scan# 812
Delta R.T. 0.01 min
Lab File: VX016280.D
Acq: 15 May 2020 15:03

Tgt Ion: 65 Resp: 146670
Ion Ratio Lower Upper
65 100
67 53.1 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: VX016280.D

Acq: 15 May 2020 15:03

Instrument :

MSVOA_X

ClientSampleId :

S32-0680

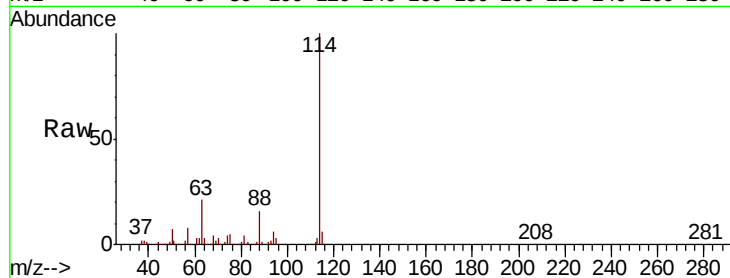
Tot Ion:114 Resp: 397115

Ion Ratio Lower Upper

114 100

63 20.5 0.0 42.8

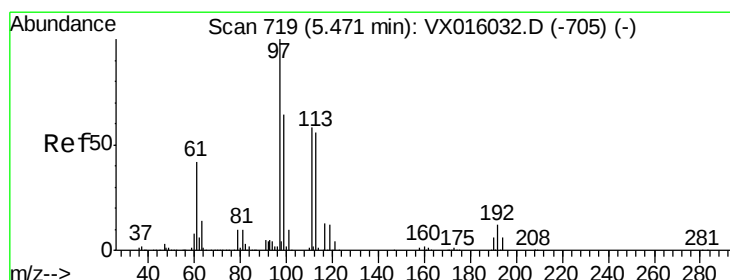
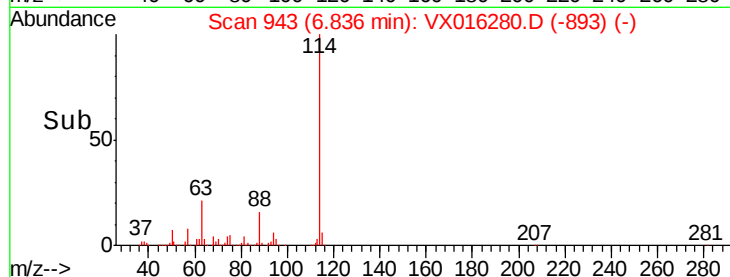
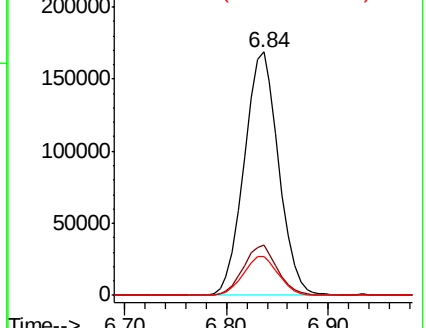
88 16.1 0.0 31.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 46.253 ug/l

RT: 5.47 min Scan# 719

Delta R.T. -0.00 min

Lab File: VX016280.D

Acq: 15 May 2020 15:03

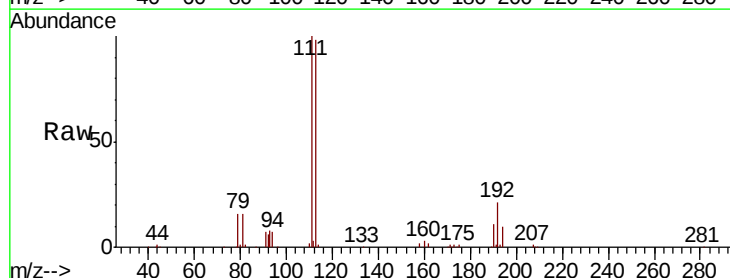
Tgt Ion:113 Resp: 116368

Ion Ratio Lower Upper

113 100

111 102.5 81.6 122.4

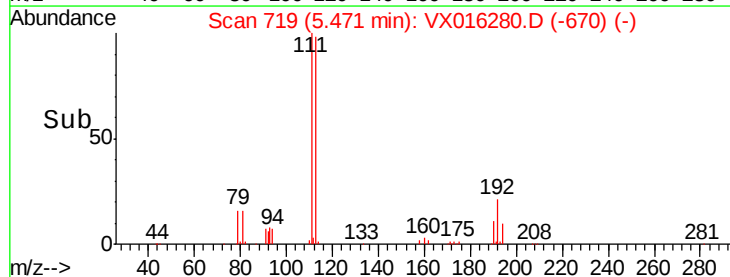
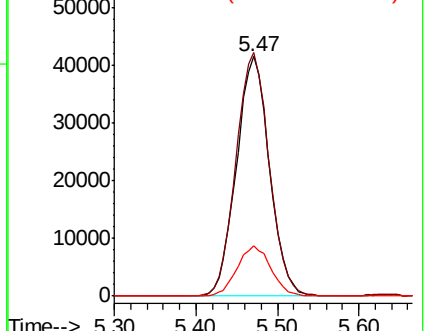
192 21.4 17.0 25.4

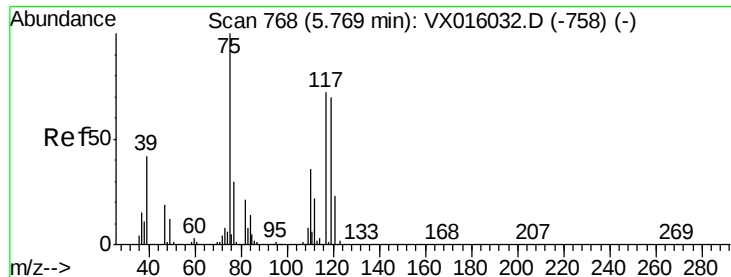


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.634 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX016280.D

Acq: 15 May 2020 15:03

Instrument :

MSVOA_X

ClientSampleId :

S32-0680

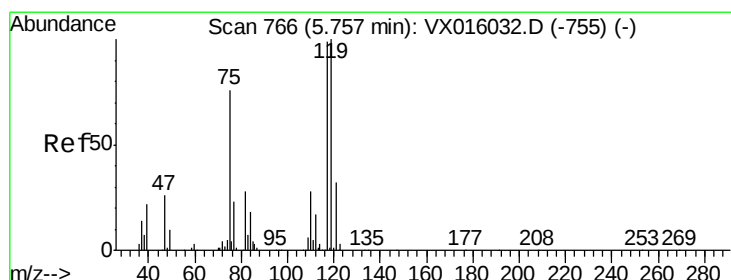
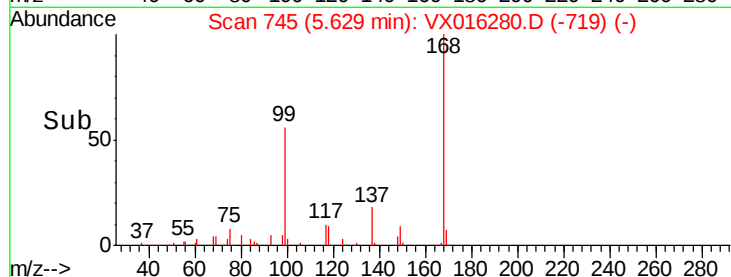
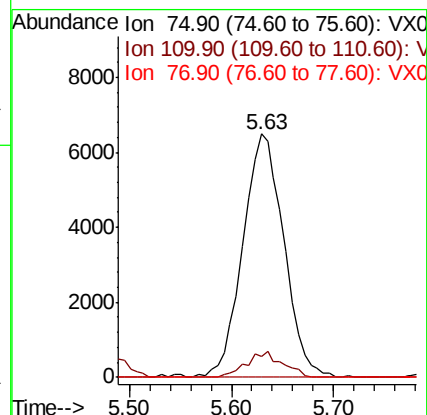
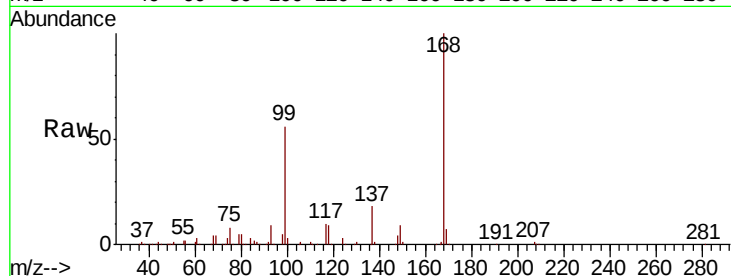
Tot Ion: 75 Resp: 18113

Ion Ratio Lower Upper

75 100

110 9.3 18.1 54.1#

77 0.0 25.0 37.6#



#38

Carbon Tetrachloride

Concen: 5.829 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.12 min

Lab File: VX016280.D

Acq: 15 May 2020 15:03

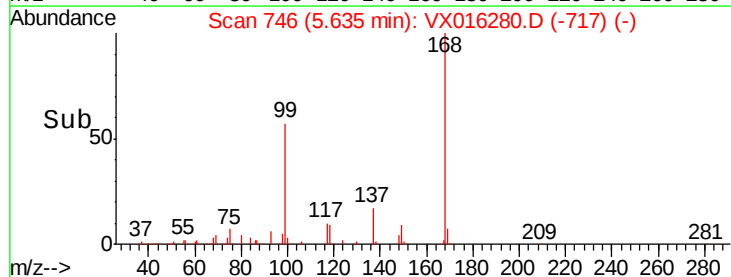
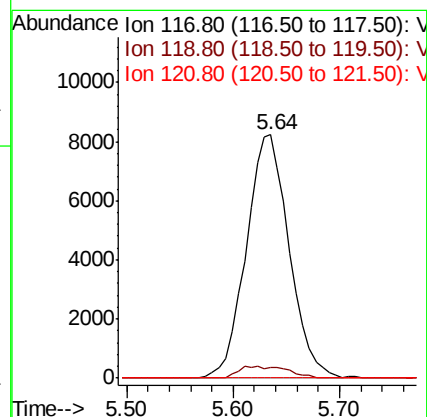
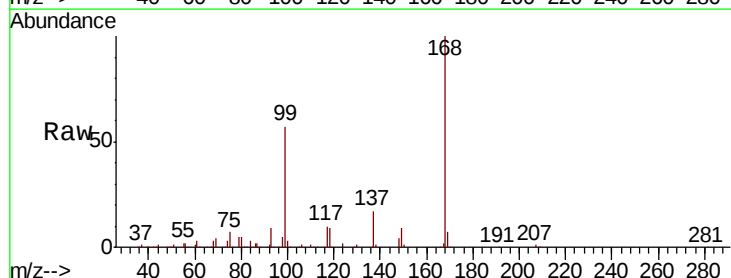
Tgt Ion: 117 Resp: 23161

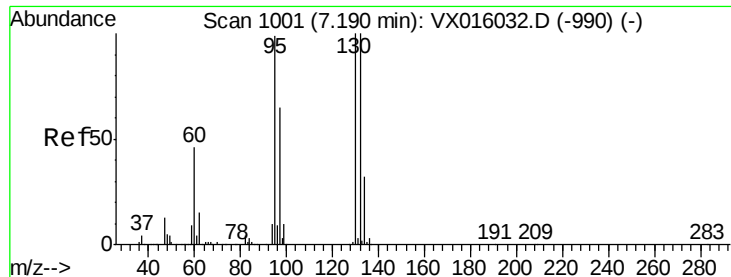
Ion Ratio Lower Upper

117 100

119 4.4 80.3 120.5#

121 0.0 25.7 38.5#





#44

Trichloroethene

Concen: 0.248 ug/l

RT: 7.20 min Scan# 1002

Delta R.T. 0.01 min

Lab File: VX016280.D

Acq: 15 May 2020 15:03

Instrument :

MSVOA_X

ClientSampleId :

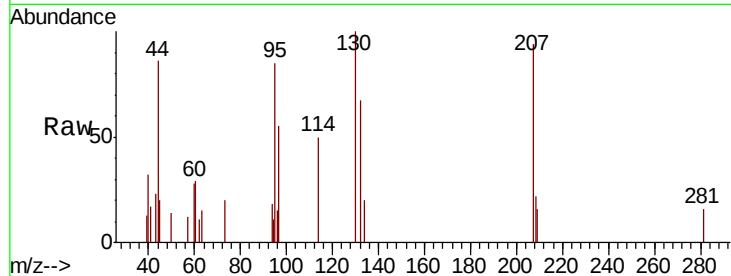
S32-0680

Tot Ion:130 Resp: 1009

Ion Ratio Lower Upper

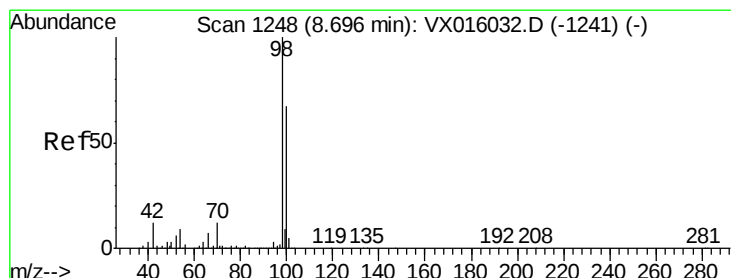
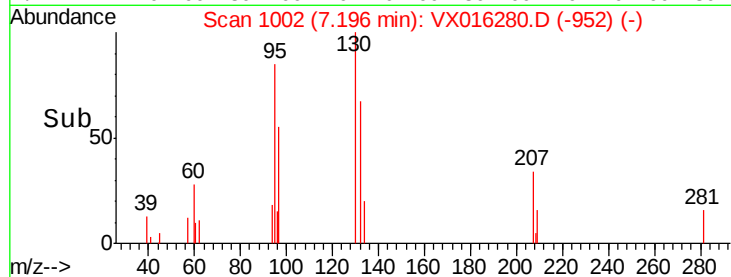
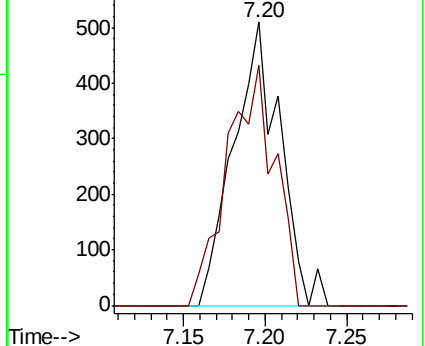
130 100

95 84.9 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: 51.371 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX016280.D

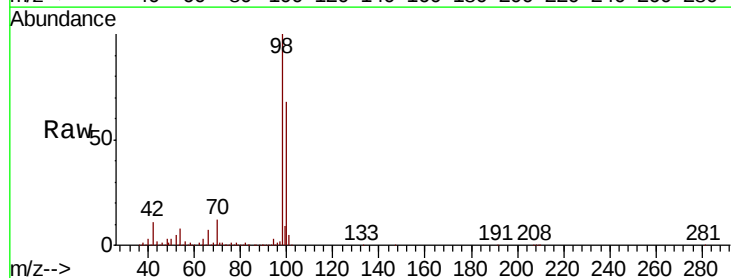
Acq: 15 May 2020 15:03

Tgt Ion: 98 Resp: 497981

Ion Ratio Lower Upper

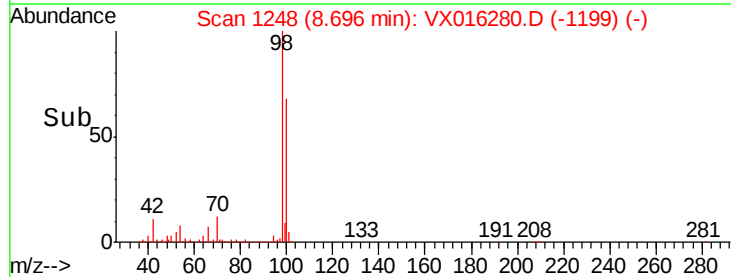
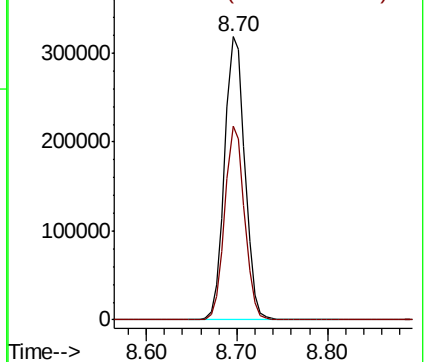
98 100

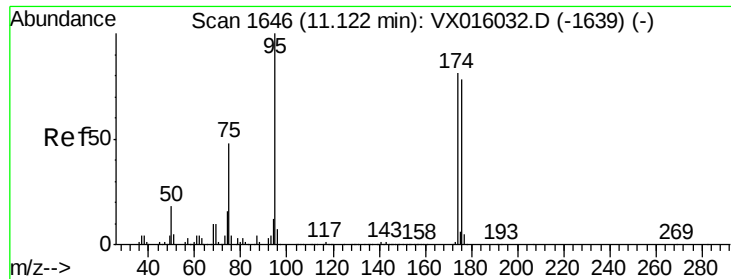
100 66.7 53.7 80.5



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 53.402 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016280.D

Acq: 15 May 2020 15:03

Instrument :

MSVOA_X

ClientSampleId :

S32-0680

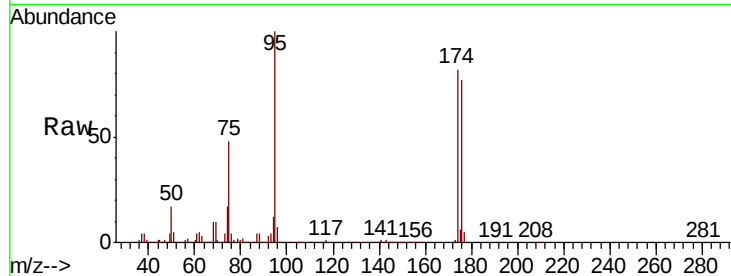
Tot Ion: 95 Resp: 196900

Ion Ratio Lower Upper

95 100

174 82.1 0.0 159.4

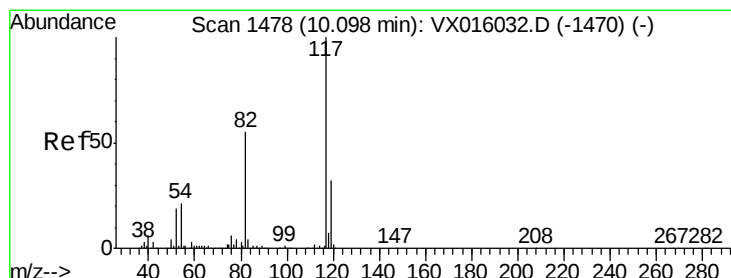
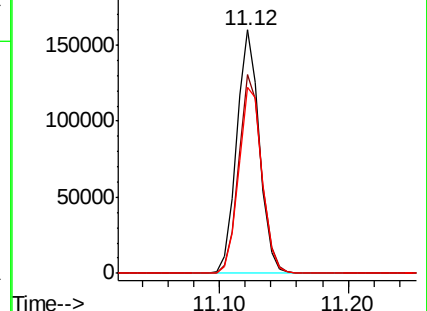
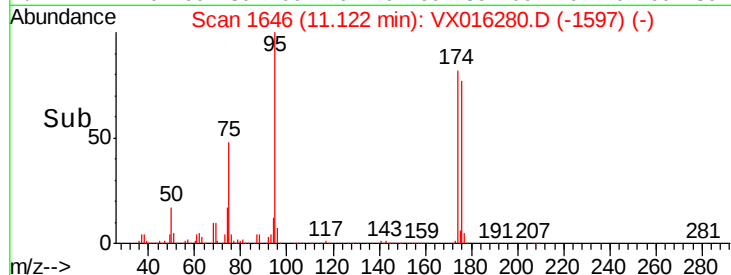
176 79.0 0.0 157.6



Abundance Ion 94.90 (94.60 to 95.60): VX016280.D (-1597) (-)

Ion 173.80 (173.50 to 174.50): VX016280.D (-1597) (-)

Ion 175.80 (175.50 to 176.50): VX016280.D (-1597) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX016280.D

Acq: 15 May 2020 15:03

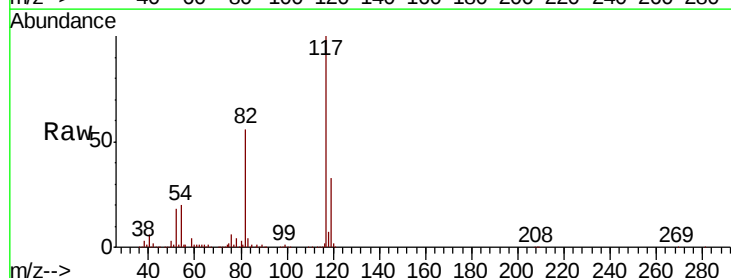
Tgt Ion: 117 Resp: 391540

Ion Ratio Lower Upper

117 100

82 56.4 44.4 66.6

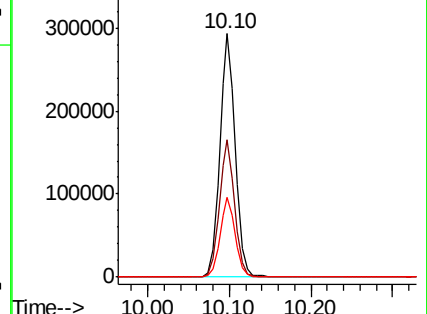
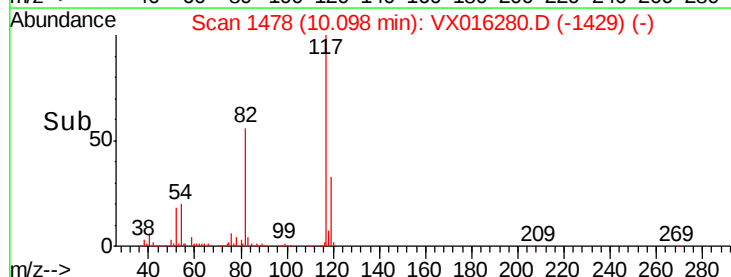
119 32.9 25.5 38.3

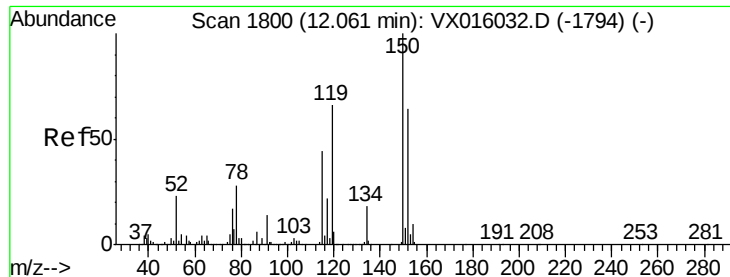


Abundance Ion 116.90 (116.60 to 117.60): VX016280.D (-1429) (-)

Ion 82.00 (81.70 to 82.70): VX016280.D (-1429) (-)

Ion 118.90 (118.60 to 119.60): VX016280.D (-1429) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX016280.D

Acq: 15 May 2020 15:03

Instrument :

MSVOA_X

ClientSampleId :

S32-0680

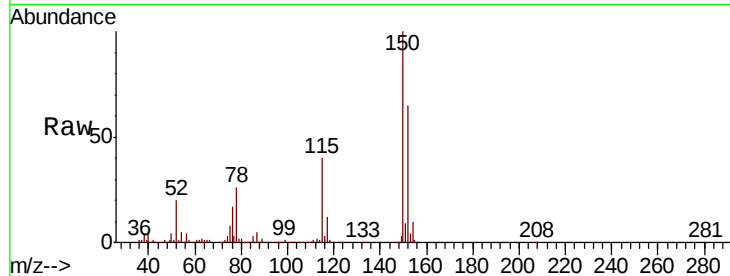
Tot Ion:152 Resp: 204433

Ion Ratio Lower Upper

152 100

115 58.1 41.3 124.1

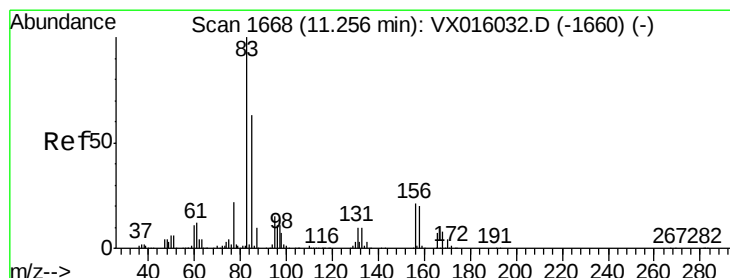
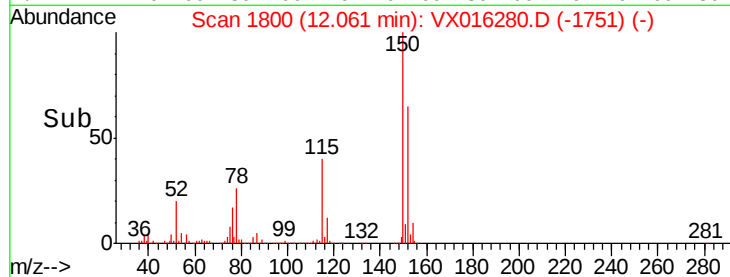
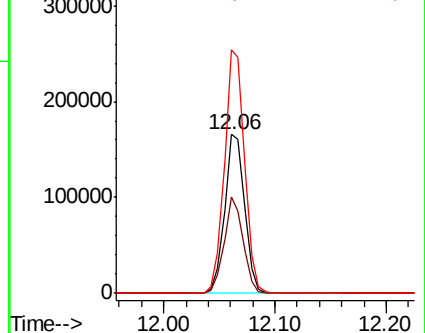
150 154.6 0.0 352.2



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: 2.094 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.13 min

Lab File: VX016280.D

Acq: 15 May 2020 15:03

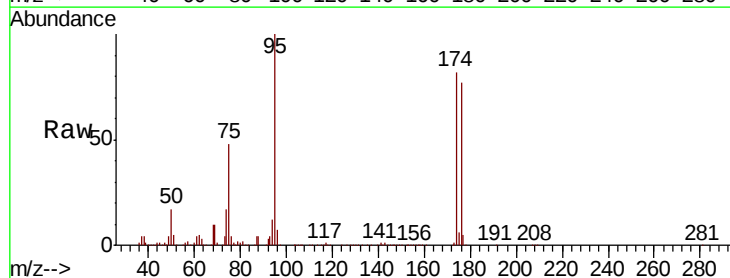
Tgt Ion: 83 Resp: 124

Ion Ratio Lower Upper

83 100

131 258.9 5.1 15.4#

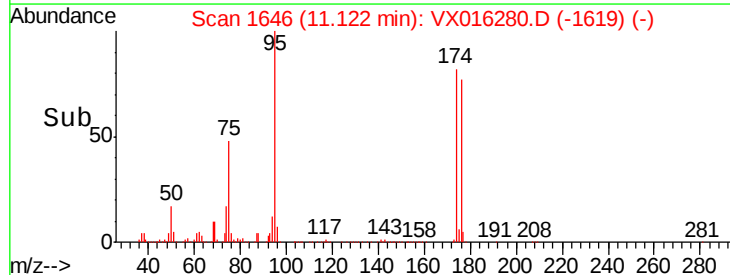
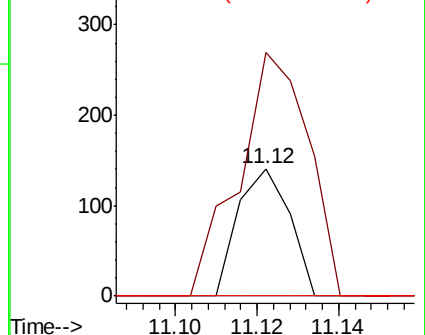
85 0.0 32.0 96.0#

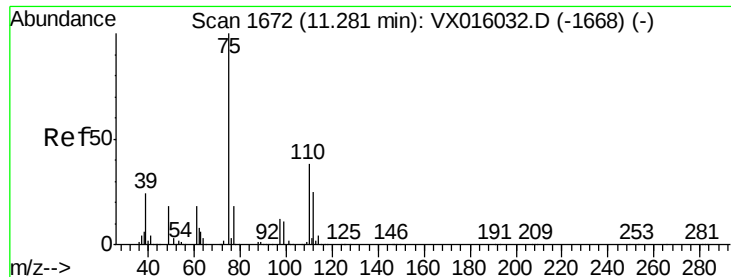


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0

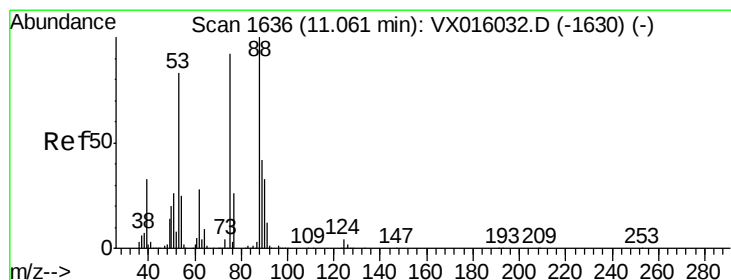
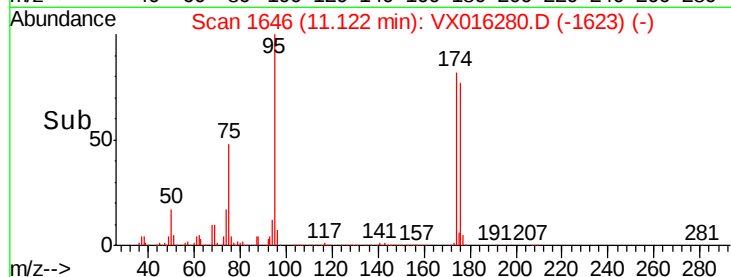
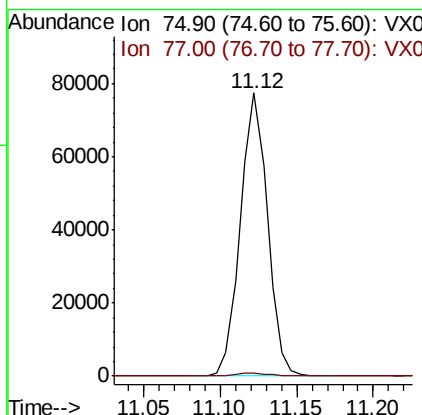
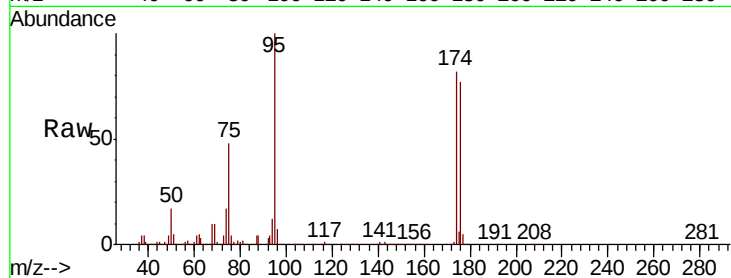




#76
 1,2,3-Trichloropropane
 Concen: 20.588 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. -0.16 min
 Lab File: VX016280.D
 Acq: 15 May 2020 15:03

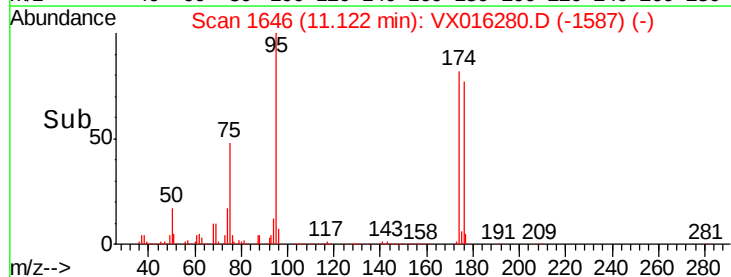
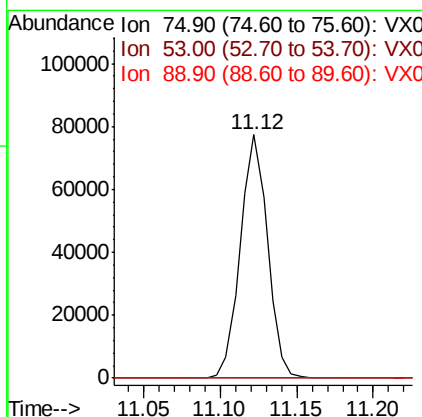
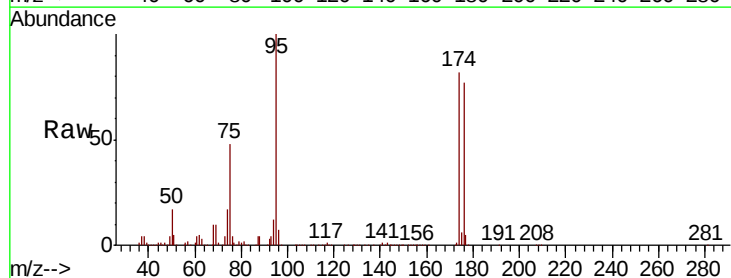
Instrument :
 MSVOA_X
 ClientSampled :
 S32-0680

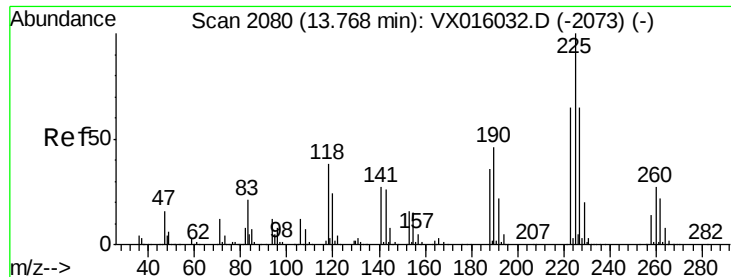
Tot Ion: 75 Resp: 95510
 Ion Ratio Lower Upper
 75 100
 77 1.3 21.2 63.6#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 49.063 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. 0.06 min
 Lab File: VX016280.D
 Acq: 15 May 2020 15:03

Tgt Ion: 75 Resp: 95510
 Ion Ratio Lower Upper
 75 100
 53 0.0 73.1 109.7#
 89 0.0 36.7 55.1#





#94

Hexachlorobutadiene

Concen: 0.558 ug/l

RT: 13.77 min Scan# 2081

Delta R.T. 0.01 min

Lab File: VX016280.D

Acq: 15 May 2020 15:03

Instrument :

MSVOA_X

ClientSampled :

S32-0680

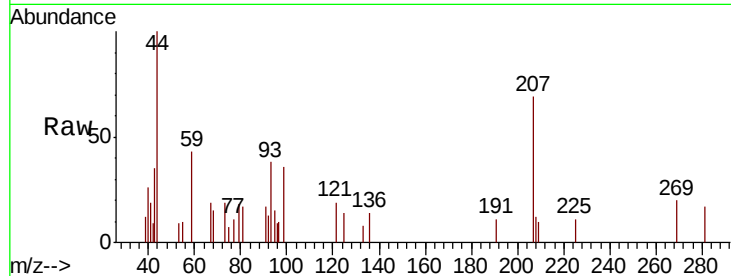
Tot Ion:225 Resp: 74

Ion Ratio Lower Upper

225 100

223 0.0 32.3 96.9#

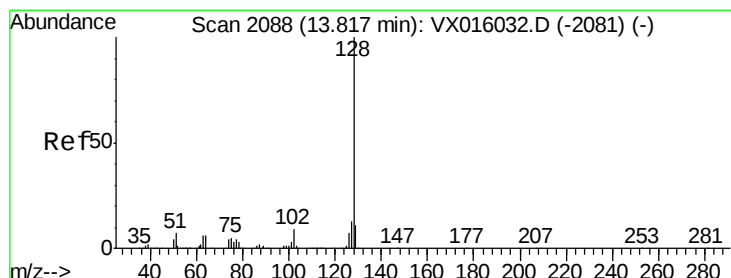
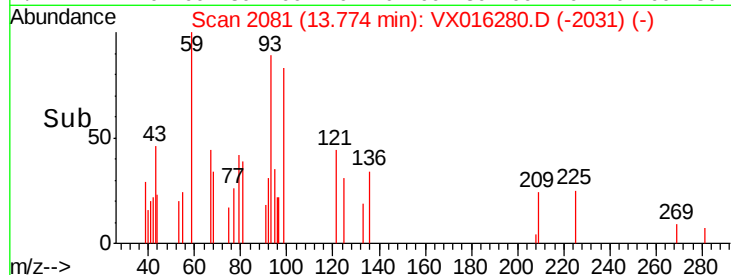
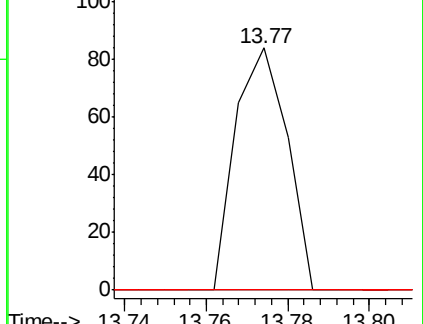
227 0.0 31.8 95.4#



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 0.232 ug/l

RT: 13.82 min Scan# 2089

Delta R.T. 0.01 min

Lab File: VX016280.D

Acq: 15 May 2020 15:03

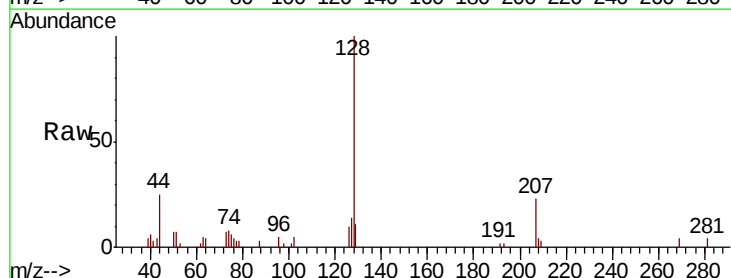
Tgt Ion:128 Resp: 3694

Ion Ratio Lower Upper

128 100

127 13.3 10.2 15.4

129 11.6 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

