

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX051820\
 Data File : VX016300.D
 Acq On : 18 May 2020 15:47
 Operator : JC/SP
 Sample : L2672-15
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: May 19 00:46:04 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	312039	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	499640	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	478966	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	242178	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	173551	42.27	ug/l	0.00
Spiked Amount			Recovery	=	84.54%	
35) Dibromofluoromethane	5.46	113	141090	44.57	ug/l	0.00
Spiked Amount			Recovery	=	89.14%	
50) Toluene-d8	8.70	98	604461	49.56	ug/l	0.00
Spiked Amount			Recovery	=	99.12%	
62) 4-Bromofluorobenzene	11.12	95	239822	51.70	ug/l	0.00
Spiked Amount			Recovery	=	103.40%	

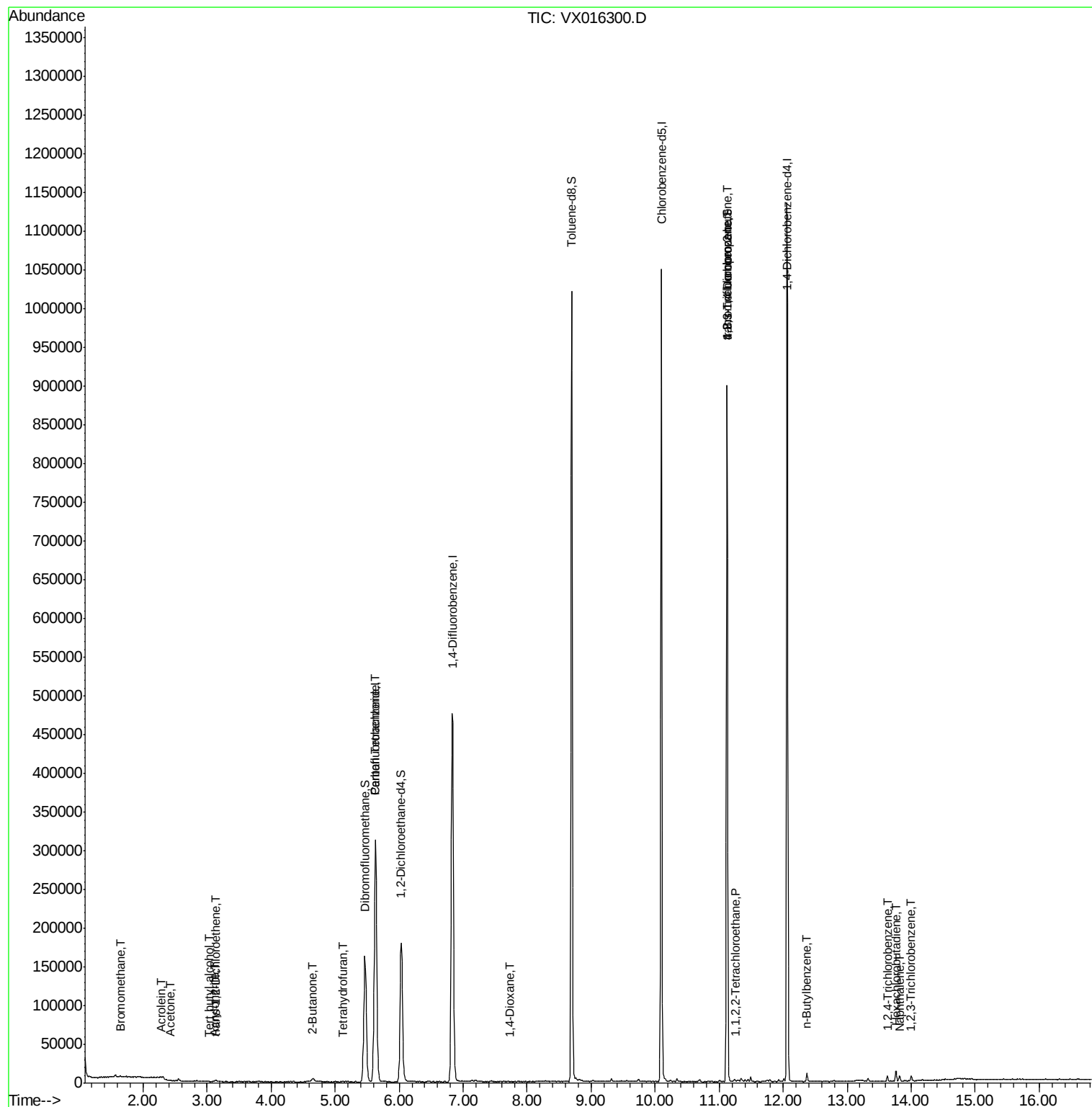
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	718	0.348	ug/l	83
11) Tert butyl alcohol	3.02	59	282	0.272	ug/l #	72
13) Acrolein	2.28	56	1037	1.596	ug/l #	74
15) Acrylonitrile	3.12	53	1211	0.562	ug/l	92
16) Acetone	2.42	43	602	0.329	ug/l #	54
21) trans-1,2-Dichloroethene	3.14	96	995	0.275	ug/l #	55
25) 2-Butanone	4.65	43	843	0.286	ug/l #	48
29) Tetrahydrofuran	5.11	42	687	0.351	ug/l #	52
38) Carbon Tetrachloride	5.64	117	28425	5.686	ug/l #	13
49) 1,4-Dioxane	7.73	88	41	0.397	ug/l #	24
75) 1,1,2,2-Tetrachloroethane	11.26	83	65	2.069	ug/l #	26
76) 1,2,3-Trichloropropane	11.12	75	115498	21.017	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	115498	50.084	ug/l #	13
89) n-Butylbenzene	12.37	91	3518	0.240	ug/l	95
93) 1,2,4-Trichlorobenzene	13.63	180	1932	0.332	ug/l	96
94) Hexachlorobutadiene	13.76	225	2160	1.376	ug/l	94
95) Naphthalene	13.82	128	4014	0.213	ug/l	97
96) 1,2,3-Trichlorobenzene	14.01	180	1708	0.300	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: VX016300.D

Acq: 18 May 2020 15:47

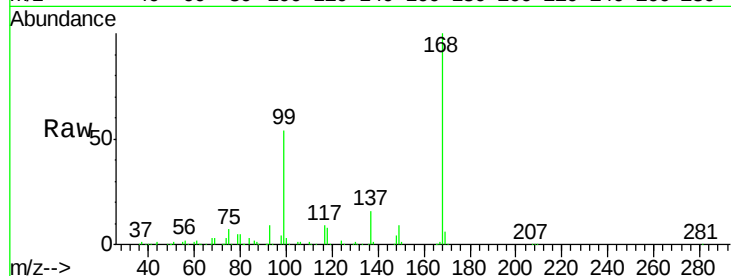
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 312039

Ion Ratio Lower Upper

168 100

99 53.9 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

120000

100000

80000

60000

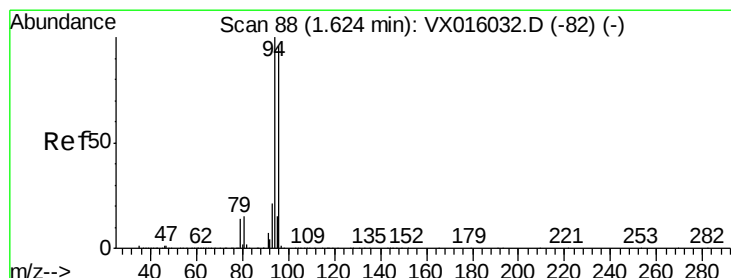
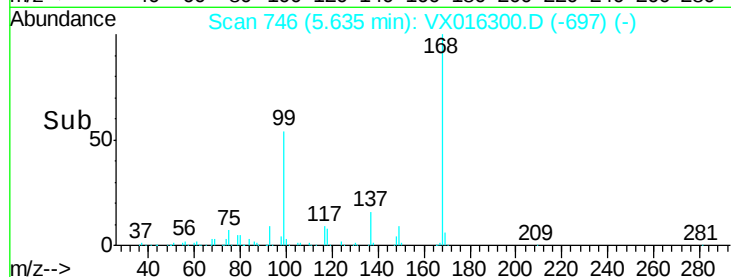
40000

20000

0

Time-->

5.50 5.60 5.70



#5

Bromomethane

Concen: 0.348 ug/l

RT: 1.64 min Scan# 91

Delta R.T. 0.02 min

Lab File: VX016300.D

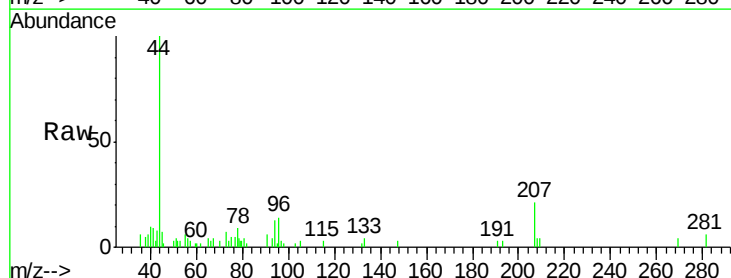
Acq: 18 May 2020 15:47

Tgt Ion: 94 Resp: 718

Ion Ratio Lower Upper

94 100

96 79.1 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

400

300

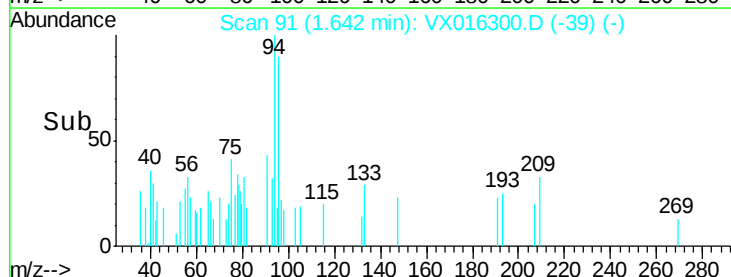
200

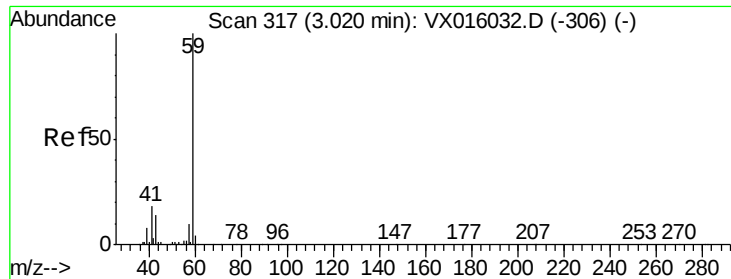
100

0

Time-->

1.60 1.65 1.70



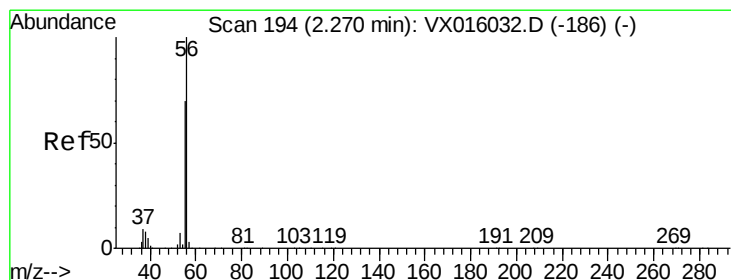
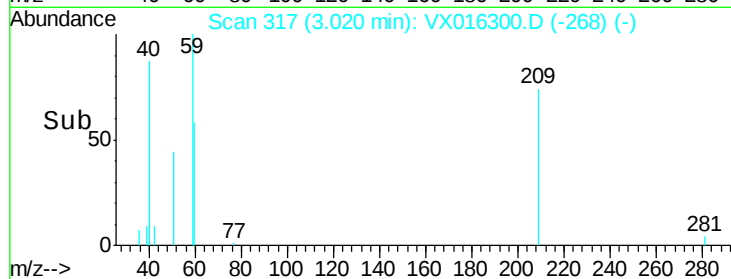
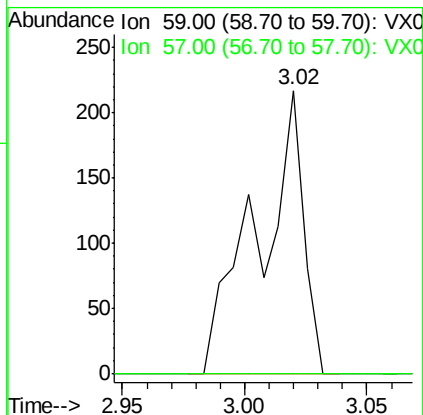
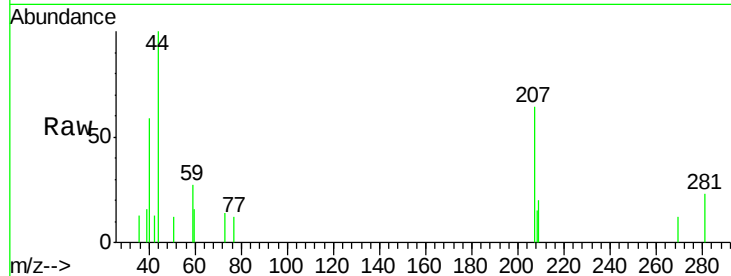


#11

Tert butyl alcohol
 Concen: 0.272 ug/l
 RT: 3.02 min Scan# 317
 Delta R.T. -0.00 min
 Lab File: VX016300.D
 Acq: 18 May 2020 15:47

Instrument :
 MSVOA_X
 ClientSampled :

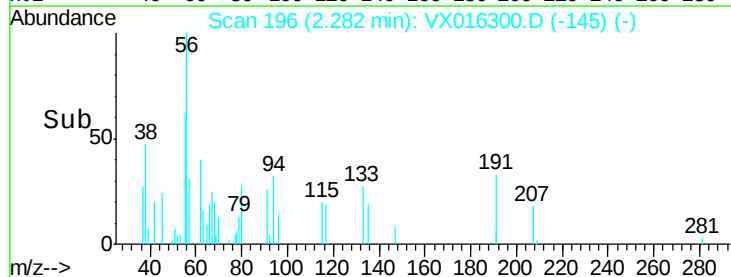
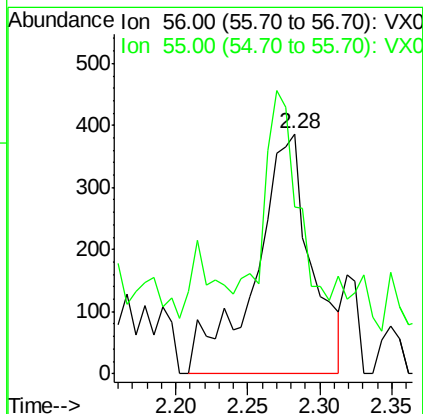
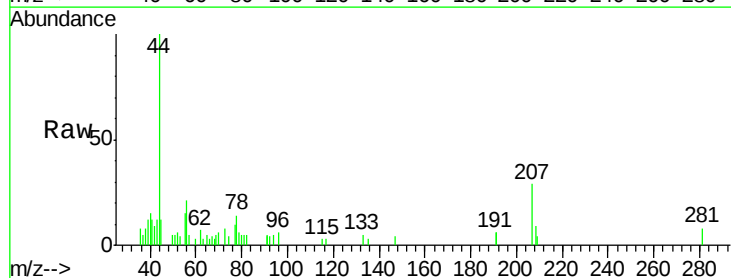
Tot Ion: 59 Resp: 282
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.2 12.4#

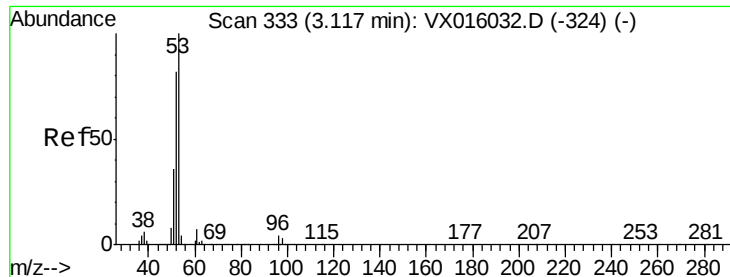


#13

Acrolein
 Concen: 1.596 ug/l
 RT: 2.28 min Scan# 196
 Delta R.T. 0.01 min
 Lab File: VX016300.D
 Acq: 18 May 2020 15:47

Tgt Ion: 56 Resp: 1037
 Ion Ratio Lower Upper
 56 100
 55 48.9 56.5 84.7#





#15

Acrylonitrile

Concen: 0.562 ug/l

RT: 3.12 min Scan# 334

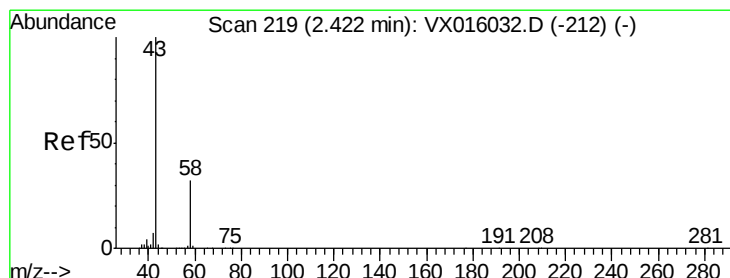
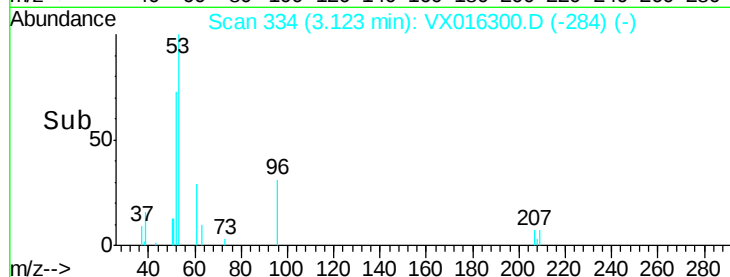
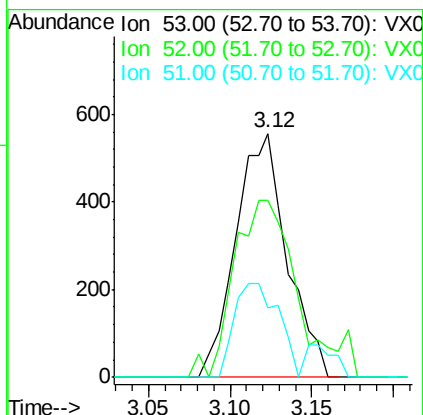
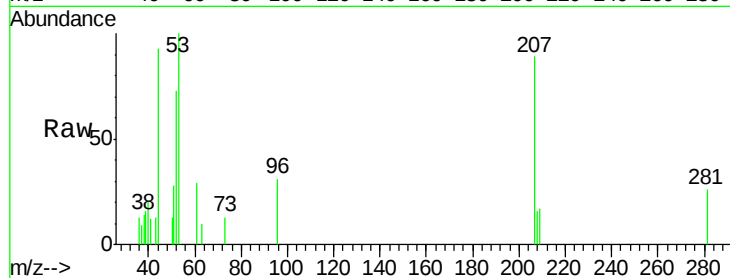
Delta R.T. 0.01 min

Lab File: VX016300.D

Acq: 18 May 2020 15:47

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:	53	Resp:	1211
Ion	Ratio	Lower	Upper
53	100		
52	90.5	66.1	99.1
51	33.2	28.8	43.2



#16

Acetone

Concen: 0.329 ug/l

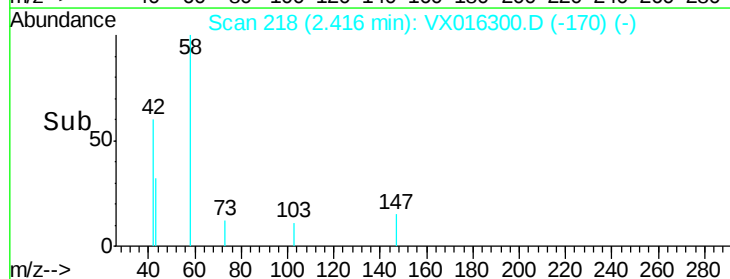
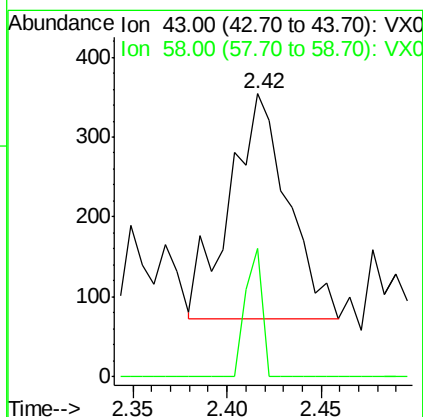
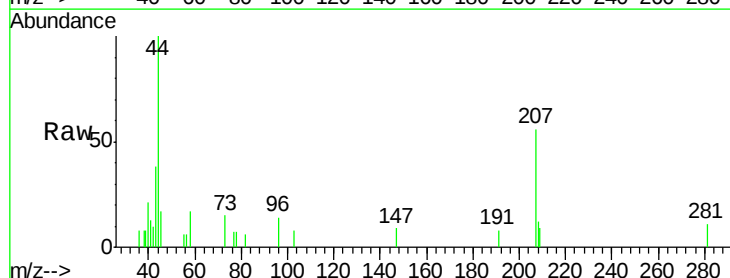
RT: 2.42 min Scan# 218

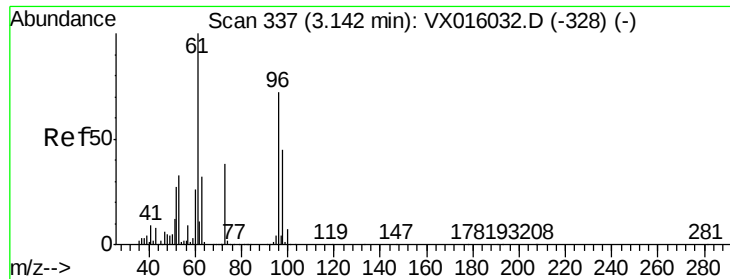
Delta R.T. -0.01 min

Lab File: VX016300.D

Acq: 18 May 2020 15:47

Tgt Ion:	43	Resp:	602
Ion	Ratio	Lower	Upper
43	100		
58	57.3	25.4	38.0#

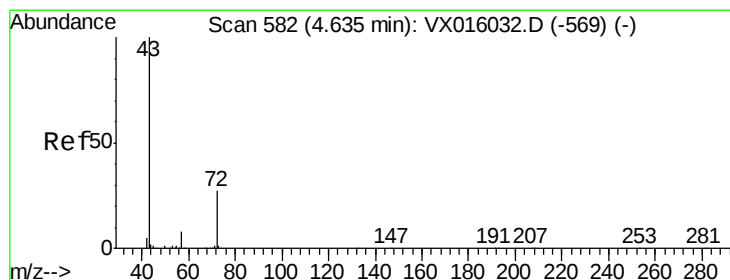
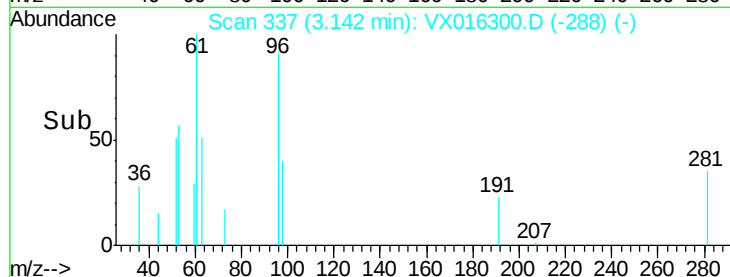
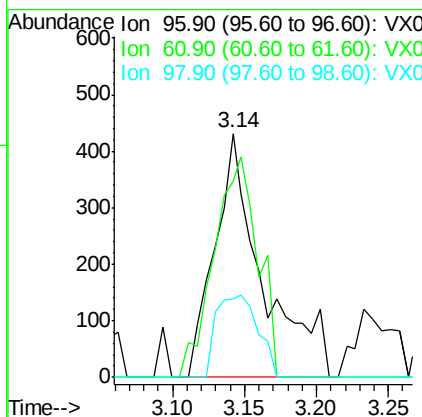
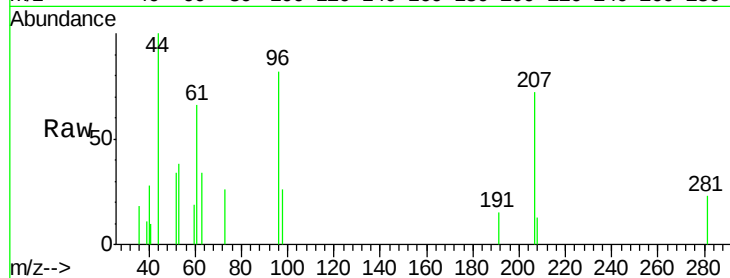




#21
trans-1,2-Dichloroethene
Concen: 0.275 ug/l
RT: 3.14 min Scan# 337
Delta R.T. -0.00 min
Lab File: VX016300.D
Acq: 18 May 2020 15:47

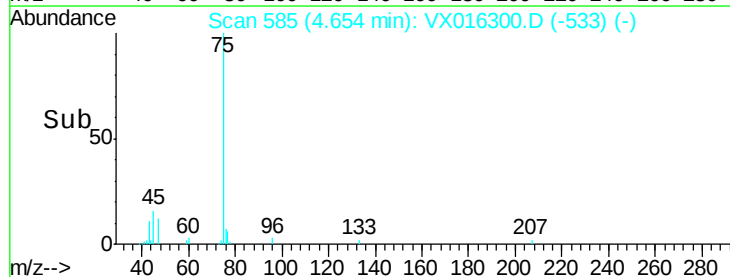
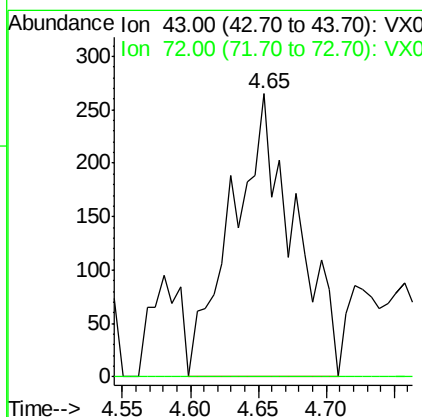
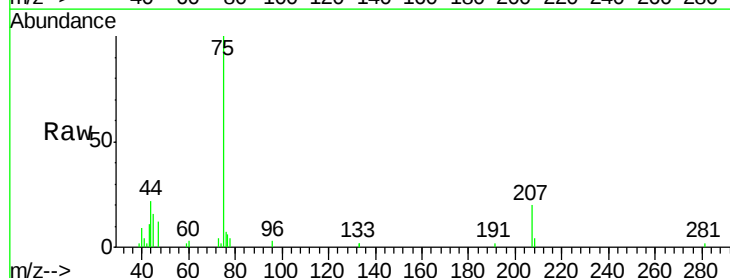
Instrument :
MSVOA_X
ClientSampleId :

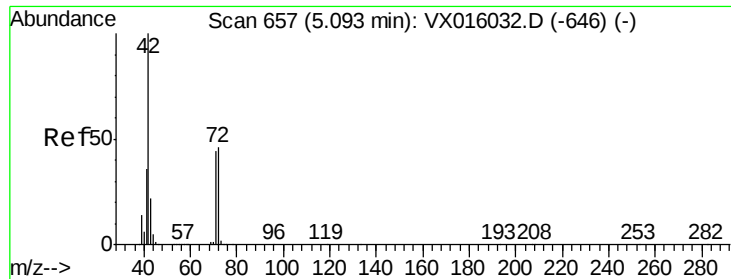
Tot Ion: 96 Resp: 995
Ion Ratio Lower Upper
96 100
61 80.7 111.2 166.8#
98 32.0 50.2 75.4#



#25
2-Butanone
Concen: 0.286 ug/l
RT: 4.65 min Scan# 585
Delta R.T. 0.02 min
Lab File: VX016300.D
Acq: 18 May 2020 15:47

Tgt Ion: 43 Resp: 843
Ion Ratio Lower Upper
43 100
72 0.0 21.8 32.8#





#29

Tetrahydrofuran

Concen: 0.351 ug/l

RT: 5.11 min Scan# 660

Delta R.T. 0.02 min

Lab File: VX016300.D

Acq: 18 May 2020 15:47

Instrument :

MSVOA_X

ClientSampled :

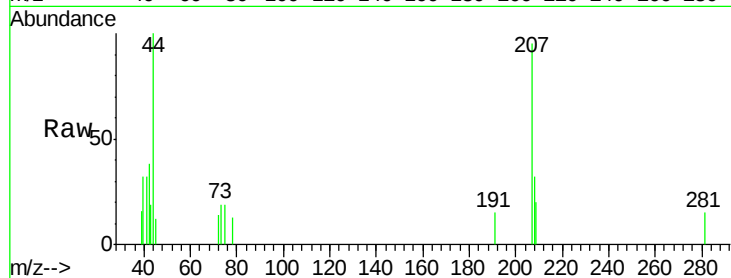
Tot Ion: 42 Resp: 687

Ion Ratio Lower Upper

42 100

72 11.5 37.1 55.7#

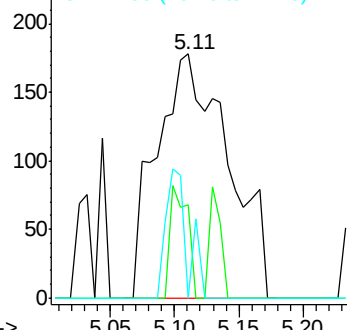
71 15.9 34.5 51.7#



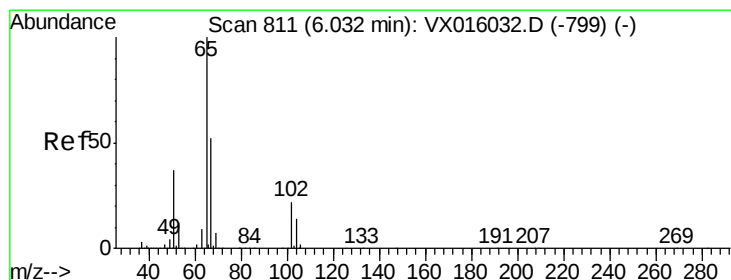
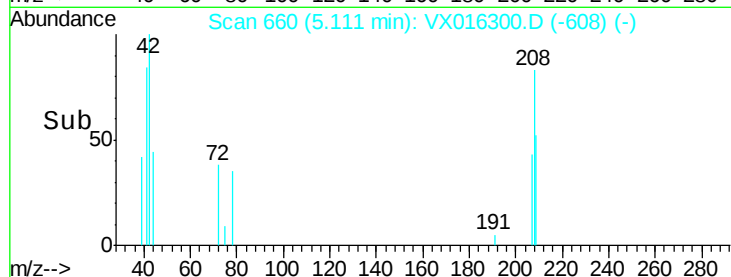
Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



Time-->



#33

1,2-Dichloroethane-d4

Concen: 42.266 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX016300.D

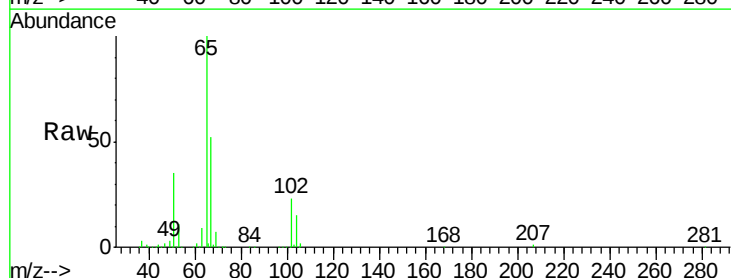
Acq: 18 May 2020 15:47

Tgt Ion: 65 Resp: 173551

Ion Ratio Lower Upper

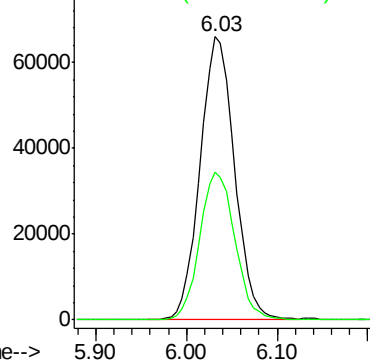
65 100

67 53.2 0.0 104.8

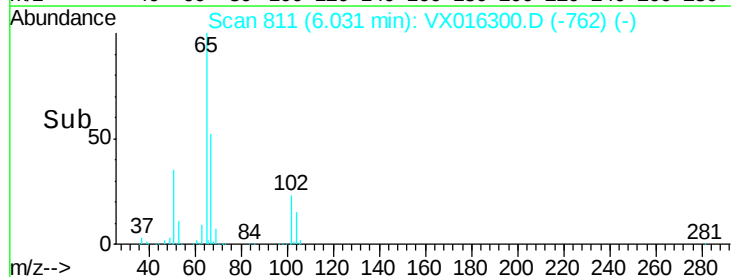


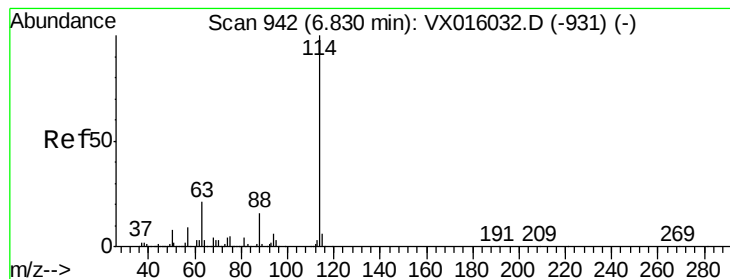
Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



Time-->





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.00 min

Lab File: VX016300.D

Acq: 18 May 2020 15:47

Instrument :

MSVOA_X

ClientSampleId :

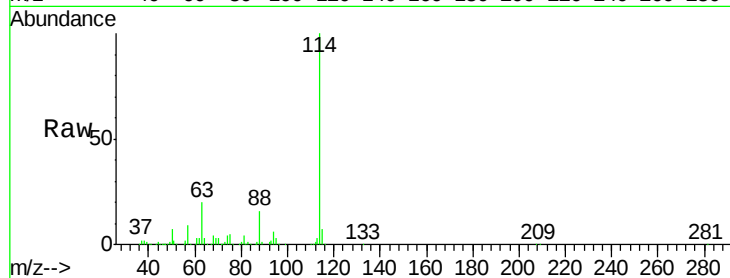
Tot Ion:114 Resp: 499640

Ion Ratio Lower Upper

114 100

63 19.9 0.0 42.8

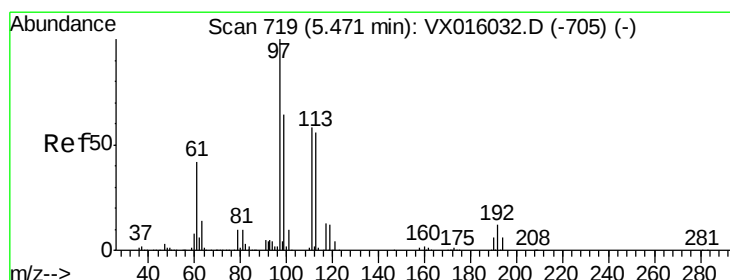
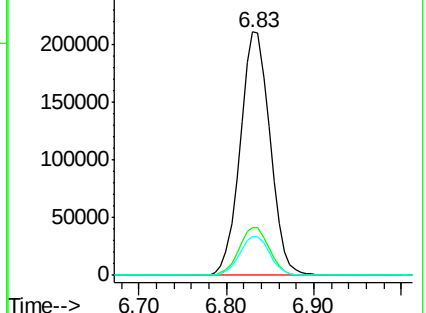
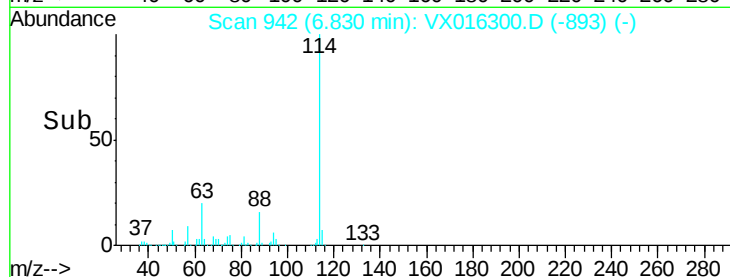
88 16.0 0.0 31.4



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: 44.572 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.01 min

Lab File: VX016300.D

Acq: 18 May 2020 15:47

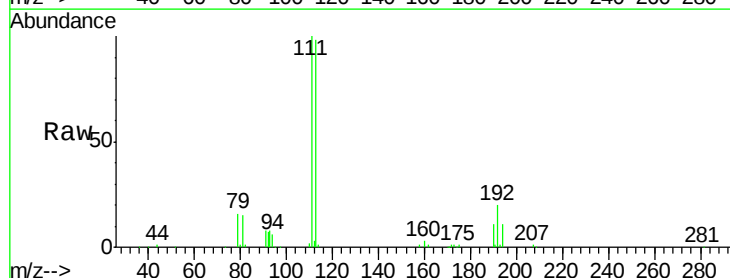
Tgt Ion:113 Resp: 141090

Ion Ratio Lower Upper

113 100

111 103.9 81.6 122.4

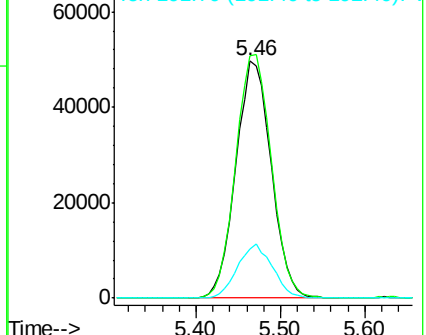
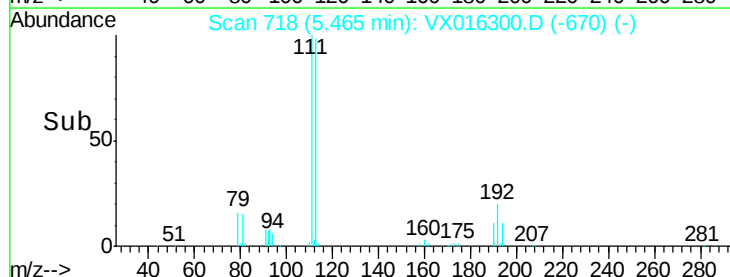
192 22.6 17.0 25.4

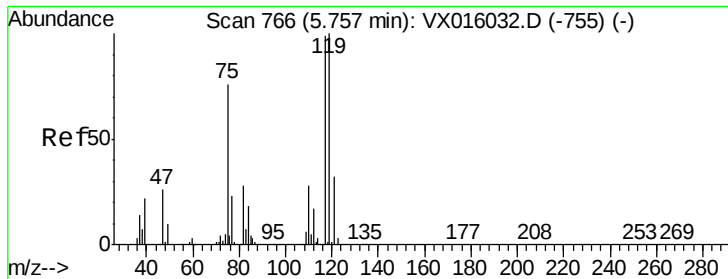


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#38

Carbon Tetrachloride

Concen: 5.686 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.12 min

Lab File: VX016300.D

Acq: 18 May 2020 15:47

Instrument :

MSVOA_X

ClientSampled :

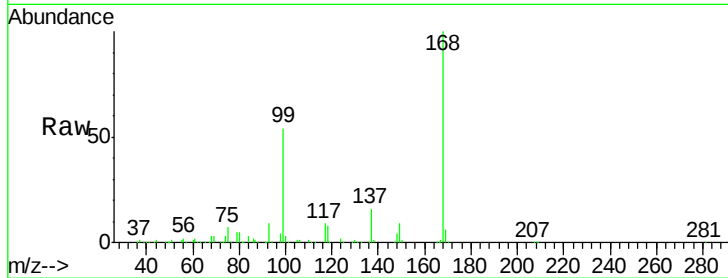
Tot Ion:117 Resp: 28425

Ion Ratio Lower Upper

117 100

119 4.2 80.3 120.5#

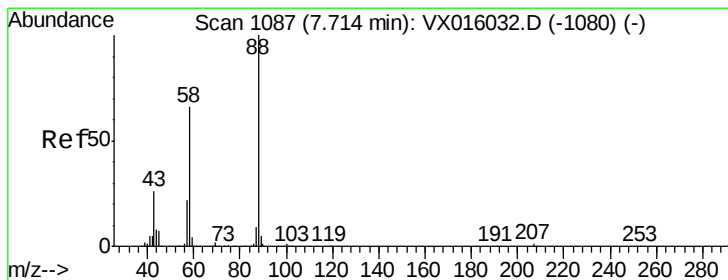
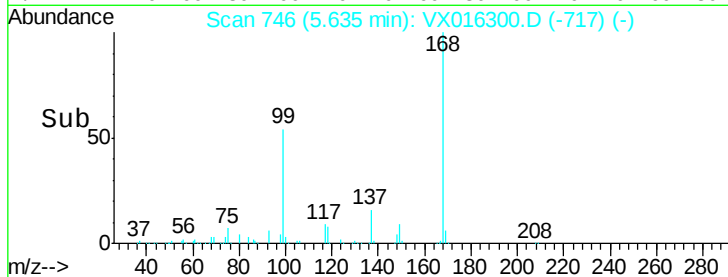
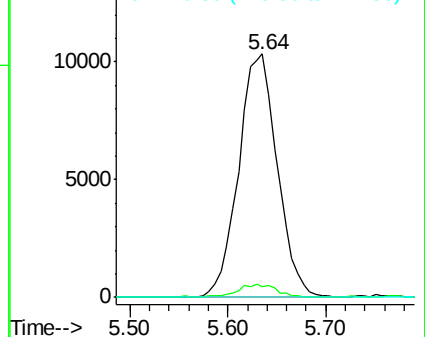
121 0.0 25.7 38.5#



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



#49

1,4-Dioxane

Concen: 0.397 ug/l

RT: 7.73 min Scan# 1090

Delta R.T. 0.02 min

Lab File: VX016300.D

Acq: 18 May 2020 15:47

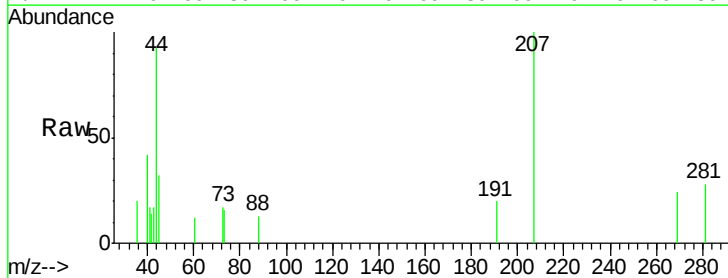
Tgt Ion: 88 Resp: 41

Ion Ratio Lower Upper

88 100

43 0.0 25.3 37.9#

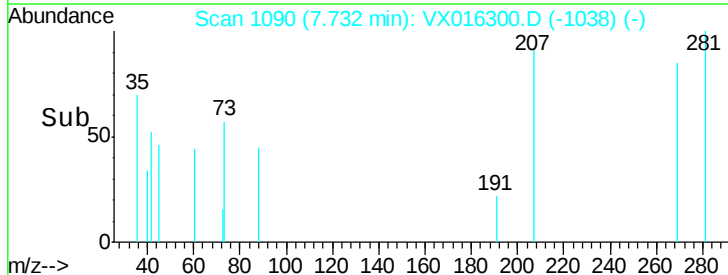
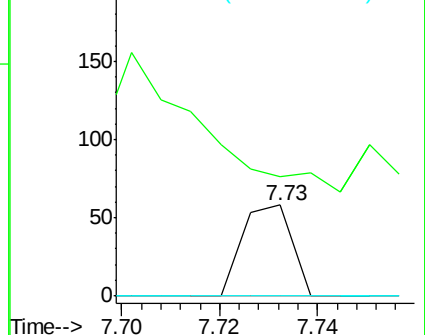
58 0.0 55.9 83.9#

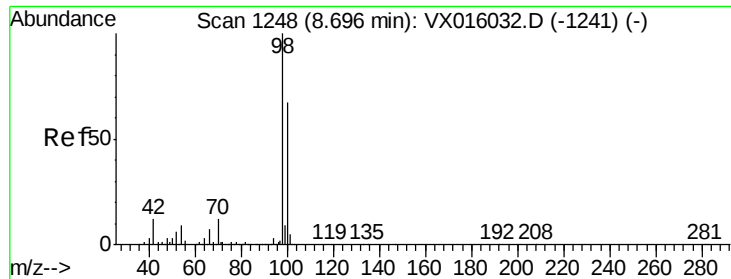


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 49.560 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX016300.D

Acq: 18 May 2020 15:47

Instrument :

MSVOA_X

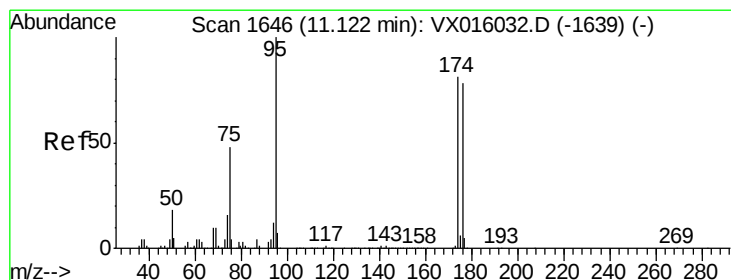
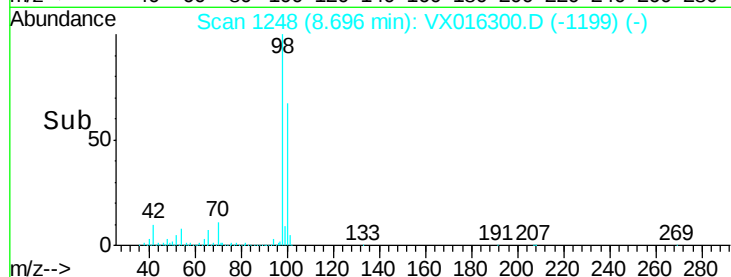
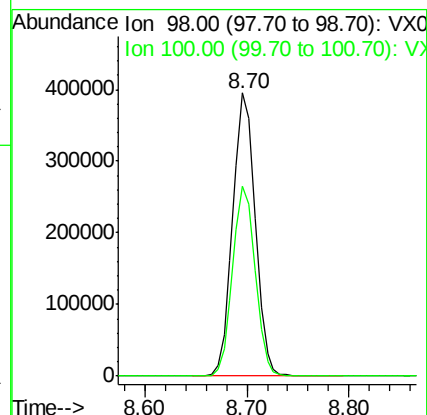
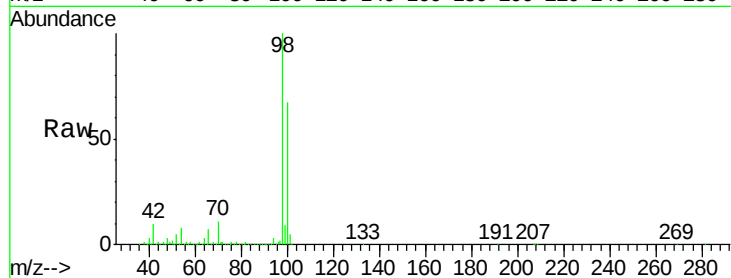
ClientSampleId :

Tot Ion: 98 Resp: 604461

Ion Ratio Lower Upper

98 100

100 67.4 53.7 80.5



#62

4-Bromofluorobenzene

Concen: 51.697 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016300.D

Acq: 18 May 2020 15:47

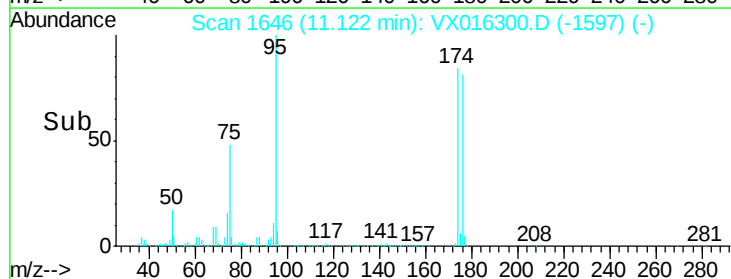
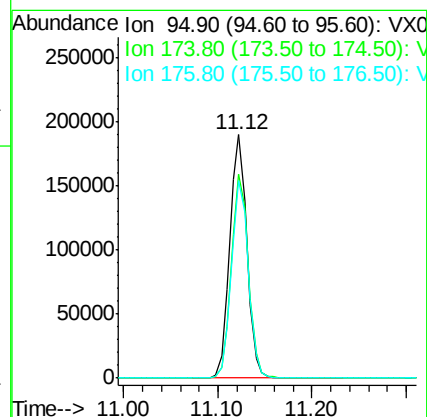
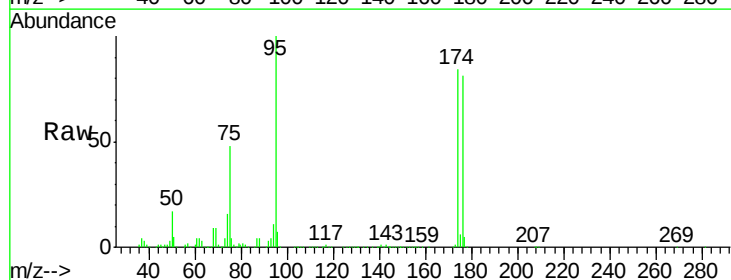
Tgt Ion: 95 Resp: 239822

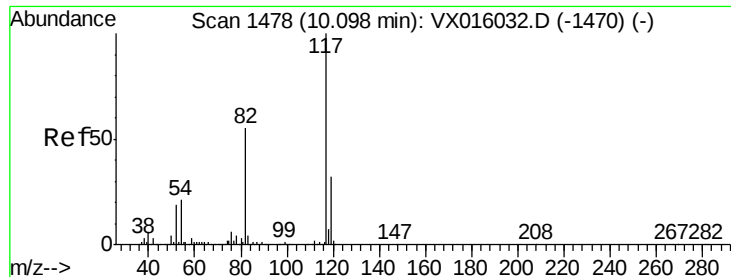
Ion Ratio Lower Upper

95 100

174 83.2 0.0 159.4

176 80.4 0.0 157.6

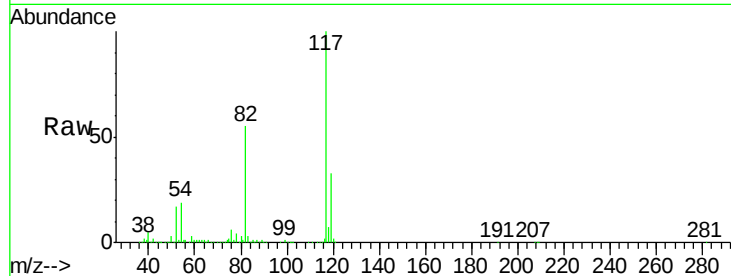




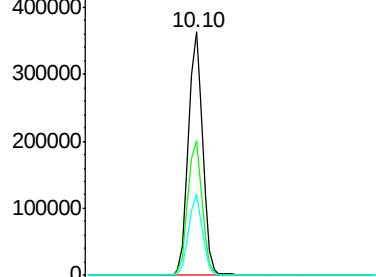
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX016300.D
Acq: 18 May 2020 15:47

Instrument :
MSVOA_X
ClientSampleId :

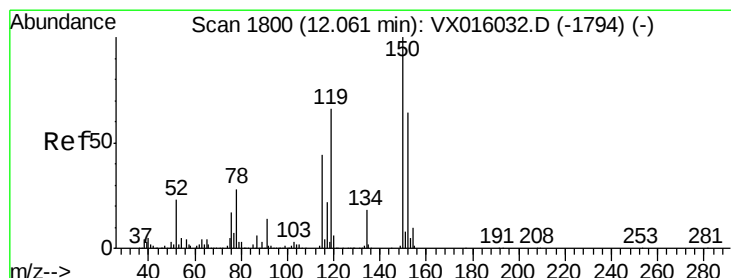
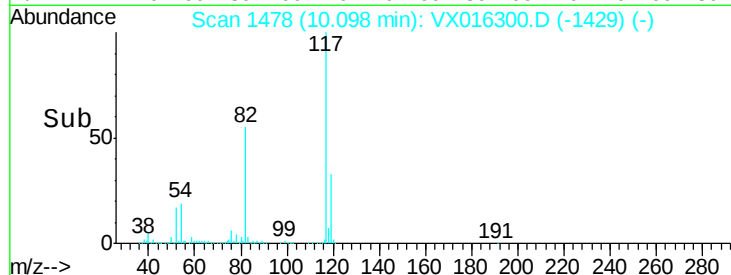
Tot Ion:117 Resp: 478966
Ion Ratio Lower Upper
117 100
82 55.3 44.4 66.6
119 33.5 25.5 38.3



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

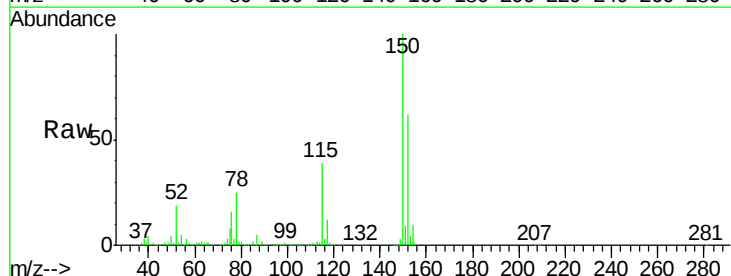


Time-->

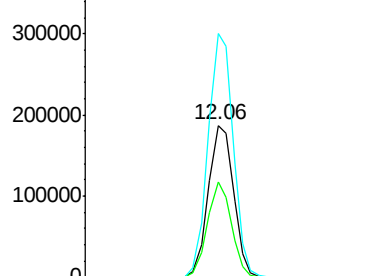


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX016300.D
Acq: 18 May 2020 15:47

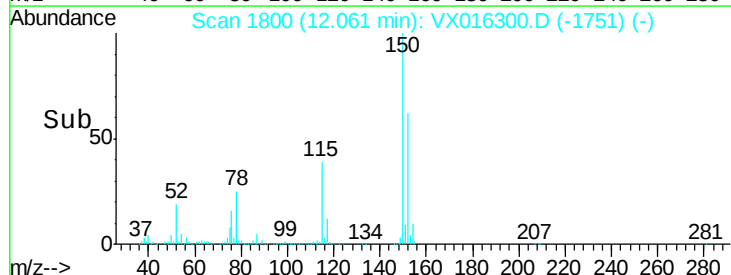
Tgt Ion:152 Resp: 242178
Ion Ratio Lower Upper
152 100
115 59.3 41.3 124.1
150 159.0 0.0 352.2

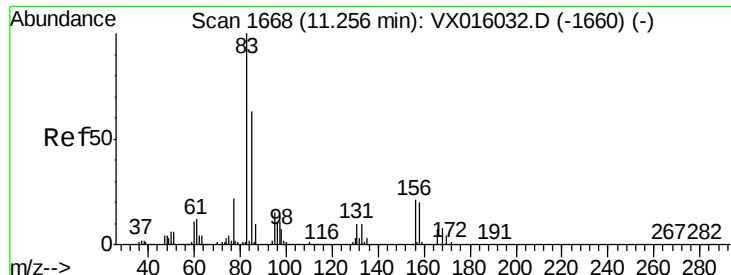


Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 2.069 ug/l

RT: 11.26 min Scan# 1668

Delta R.T. 0.00 min

Lab File: VX016300.D

Acq: 18 May 2020 15:47

Instrument :

MSVOA_X

ClientSampleId :

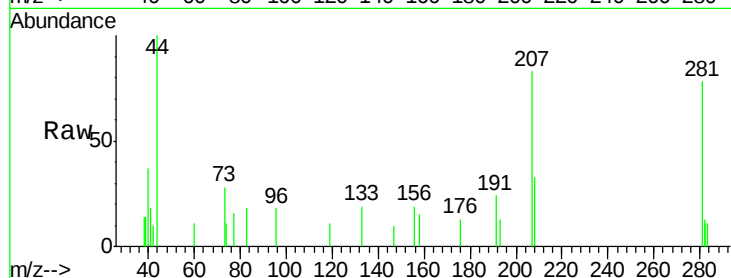
Tot Ion: 83 Resp: 65

Ion Ratio Lower Upper

83 100

131 0.0 5.1 15.4#

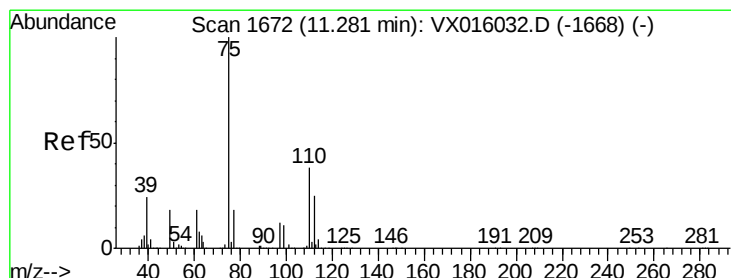
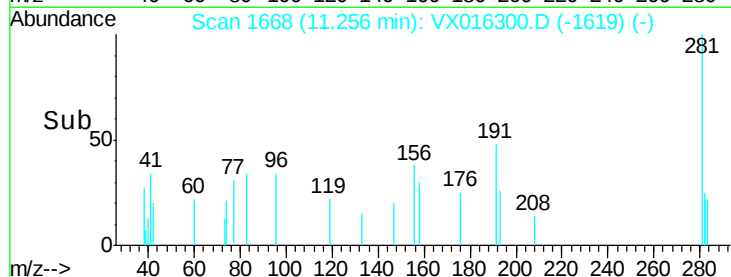
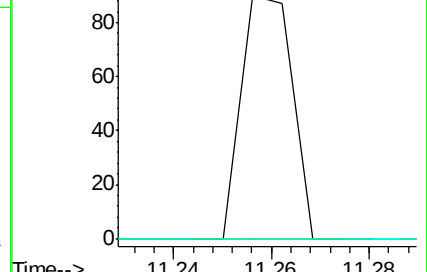
85 0.0 32.0 96.0#



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: 21.017 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016300.D

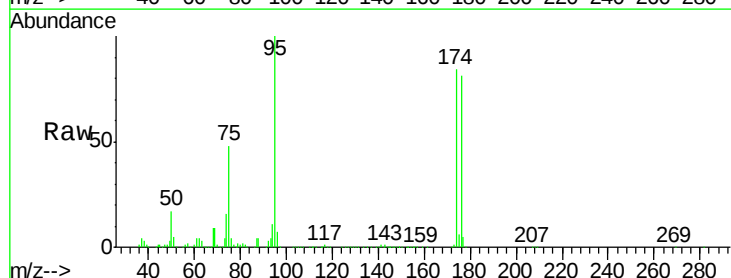
Acq: 18 May 2020 15:47

Tgt Ion: 75 Resp: 115498

Ion Ratio Lower Upper

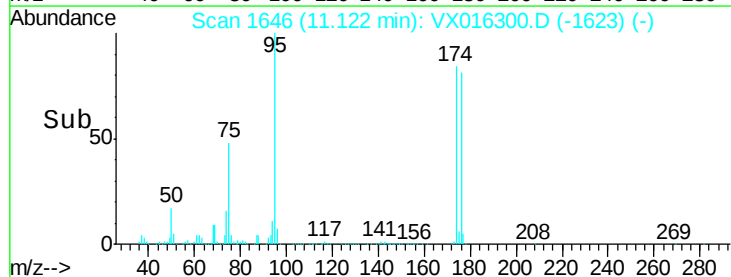
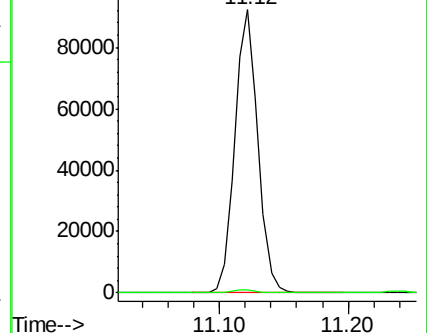
75 100

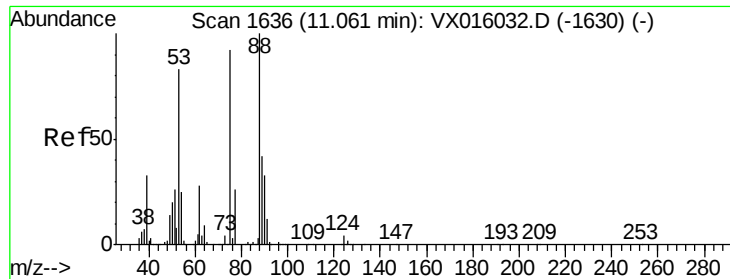
77 1.3 21.2 63.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

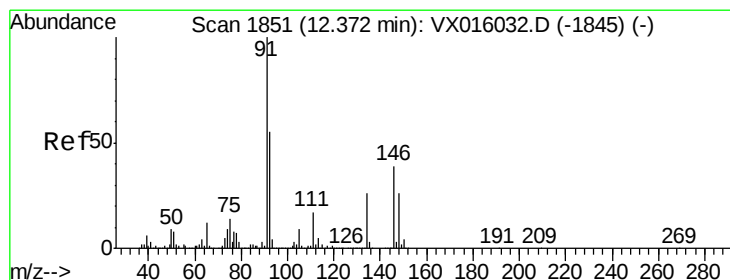
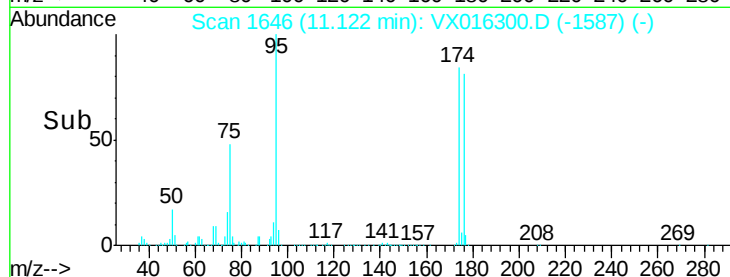
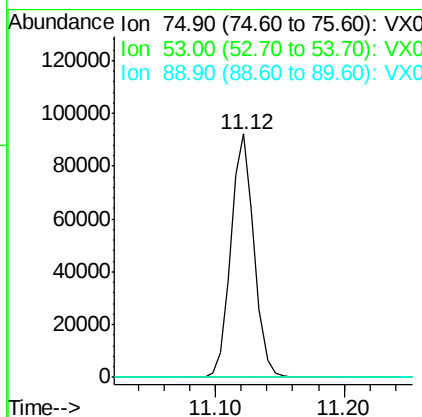
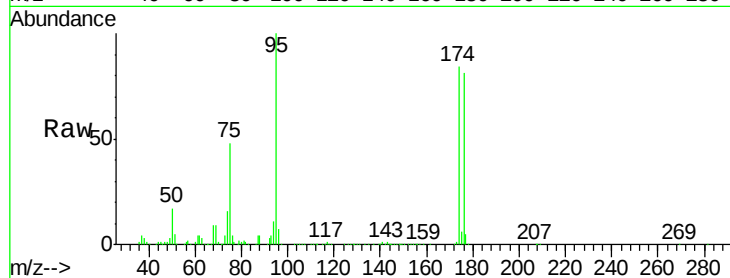




#81
trans-1,4-Dichloro-2-butene
Concen: 50.084 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. 0.06 min
Lab File: VX016300.D
Acq: 18 May 2020 15:47

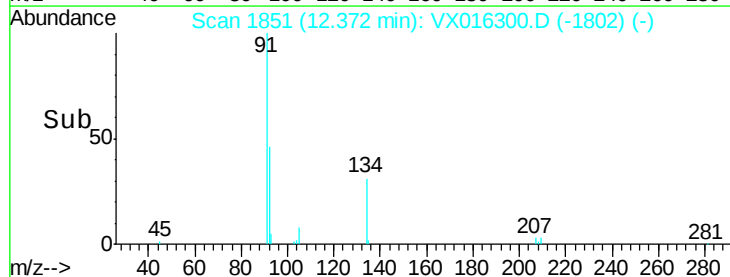
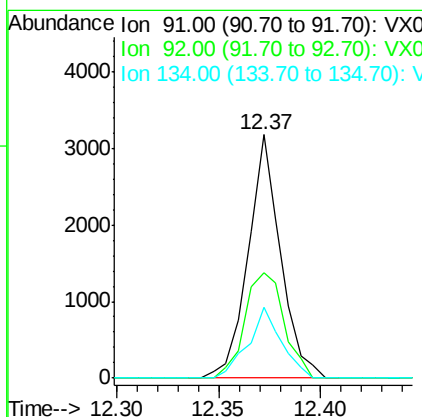
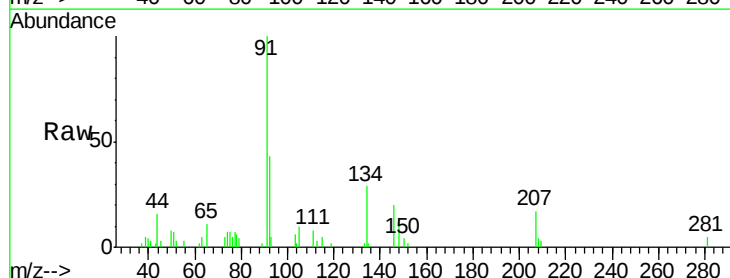
Instrument :
MSVOA_X
ClientSampleId :

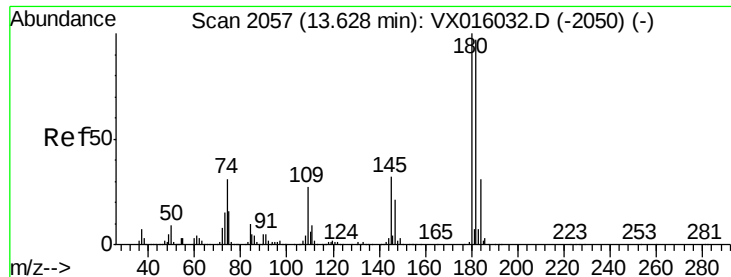
Tot Ion: 75 Resp: 115498
Ion Ratio Lower Upper
75 100
53 0.0 73.1 109.7#
89 0.0 36.7 55.1#



#89
n-Butylbenzene
Concen: 0.240 ug/l
RT: 12.37 min Scan# 1851
Delta R.T. -0.00 min
Lab File: VX016300.D
Acq: 18 May 2020 15:47

Tgt Ion: 91 Resp: 3518
Ion Ratio Lower Upper
91 100
92 52.2 27.6 82.7
134 29.6 13.4 40.1

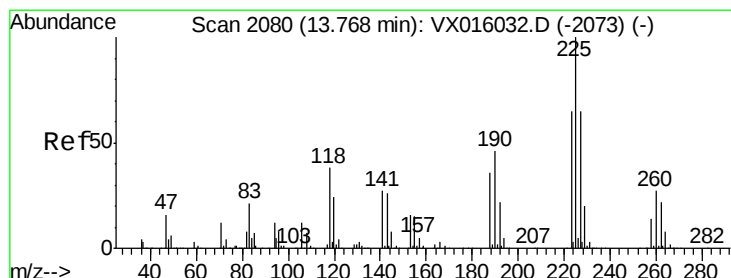
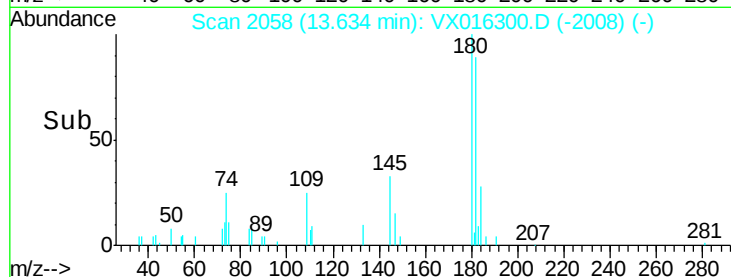
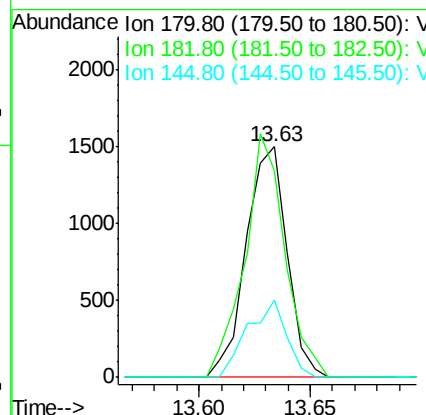
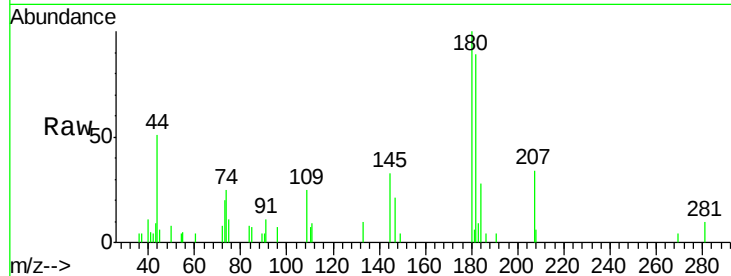




#93
 1,2,4-Trichlorobenzene
 Concen: 0.332 ug/l
 RT: 13.63 min Scan# 2058
 Delta R.T. 0.01 min
 Lab File: VX016300.D
 Acq: 18 May 2020 15:47

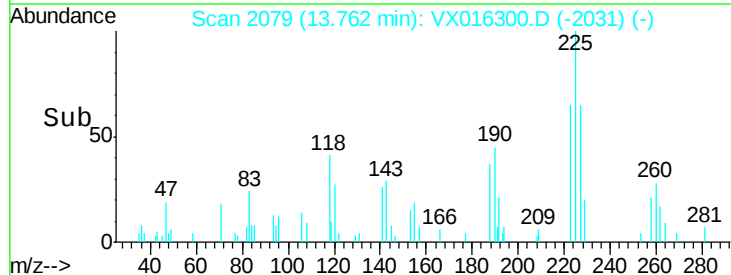
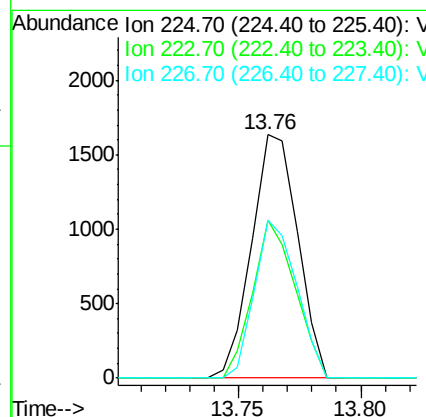
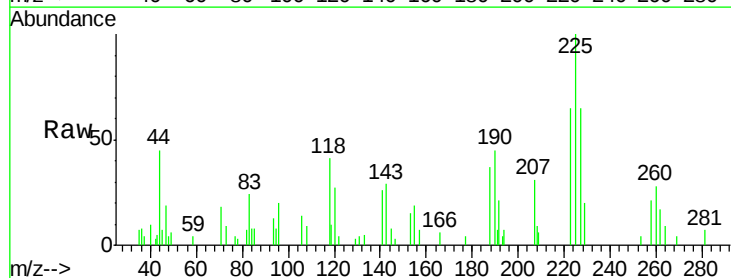
Instrument :
 MSVOA_X
 ClientSampleId :

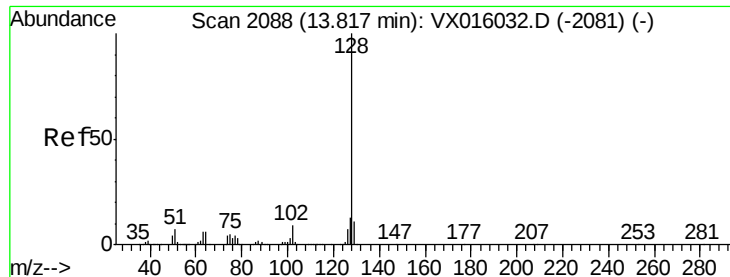
Tot Ion:180 Resp: 1932
 Ion Ratio Lower Upper
 180 100
 182 103.1 48.7 146.1
 145 31.7 15.7 47.1



#94
 Hexachlorobutadiene
 Concen: 1.376 ug/l
 RT: 13.76 min Scan# 2079
 Delta R.T. -0.01 min
 Lab File: VX016300.D
 Acq: 18 May 2020 15:47

Tgt Ion:225 Resp: 2160
 Ion Ratio Lower Upper
 225 100
 223 59.7 32.3 96.9
 227 59.2 31.8 95.4





#95

Naphthalene

Concen: 0.213 ug/l

RT: 13.82 min Scan# 2088

Delta R.T. -0.00 min

Lab File: VX016300.D

Acq: 18 May 2020 15:47

Instrument :

MSVOA_X

ClientSampleId :

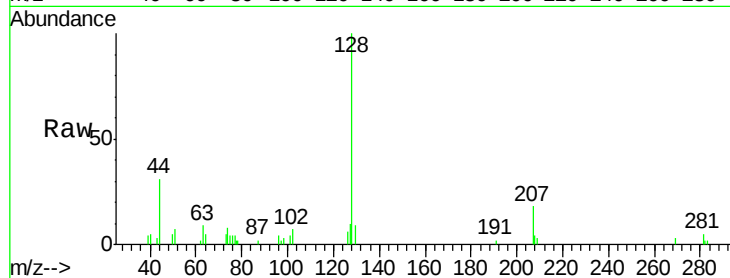
Tot Ion:128 Resp: 4014

Ion Ratio Lower Upper

128 100

127 14.5 10.2 15.4

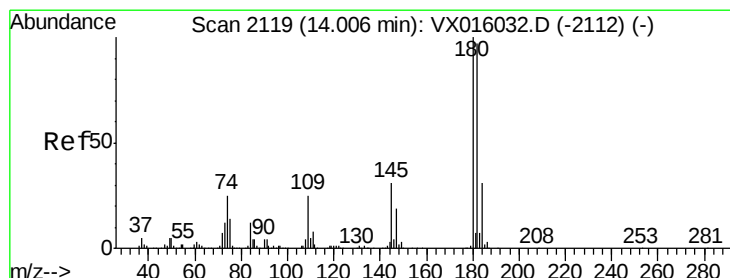
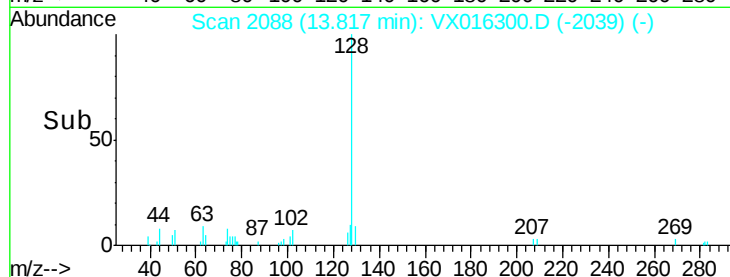
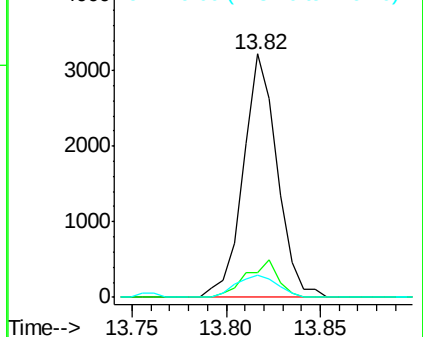
129 11.2 8.7 13.1



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



#96

1,2,3-Trichlorobenzene

Concen: 0.300 ug/l

RT: 14.01 min Scan# 2119

Delta R.T. -0.00 min

Lab File: VX016300.D

Acq: 18 May 2020 15:47

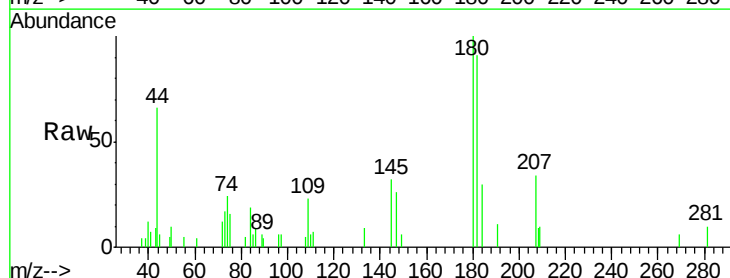
Tgt Ion:180 Resp: 1708

Ion Ratio Lower Upper

180 100

182 98.5 48.4 145.0

145 35.8 16.4 49.1



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

