

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061620\
 Data File : VX016777.D
 Acq On : 16 Jun 2020 14:21
 Operator : JC/SP
 Sample : L2993-07
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 Z1-TB6-200610

Quant Time: Jun 17 03:56:05 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061520W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 16 02:02:35 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	247031	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	392267	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	405085	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	211739	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	143958	51.81	ug/l	0.00
Spiked Amount			Recovery	=	103.62%	
35) Dibromofluoromethane	5.46	113	119329	49.30	ug/l	0.00
Spiked Amount			Recovery	=	98.60%	
50) Toluene-d8	8.70	98	486237	54.49	ug/l	0.00
Spiked Amount			Recovery	=	108.98%	
62) 4-Bromofluorobenzene	11.12	95	198876	58.26	ug/l	0.00
Spiked Amount			Recovery	=	116.52%	

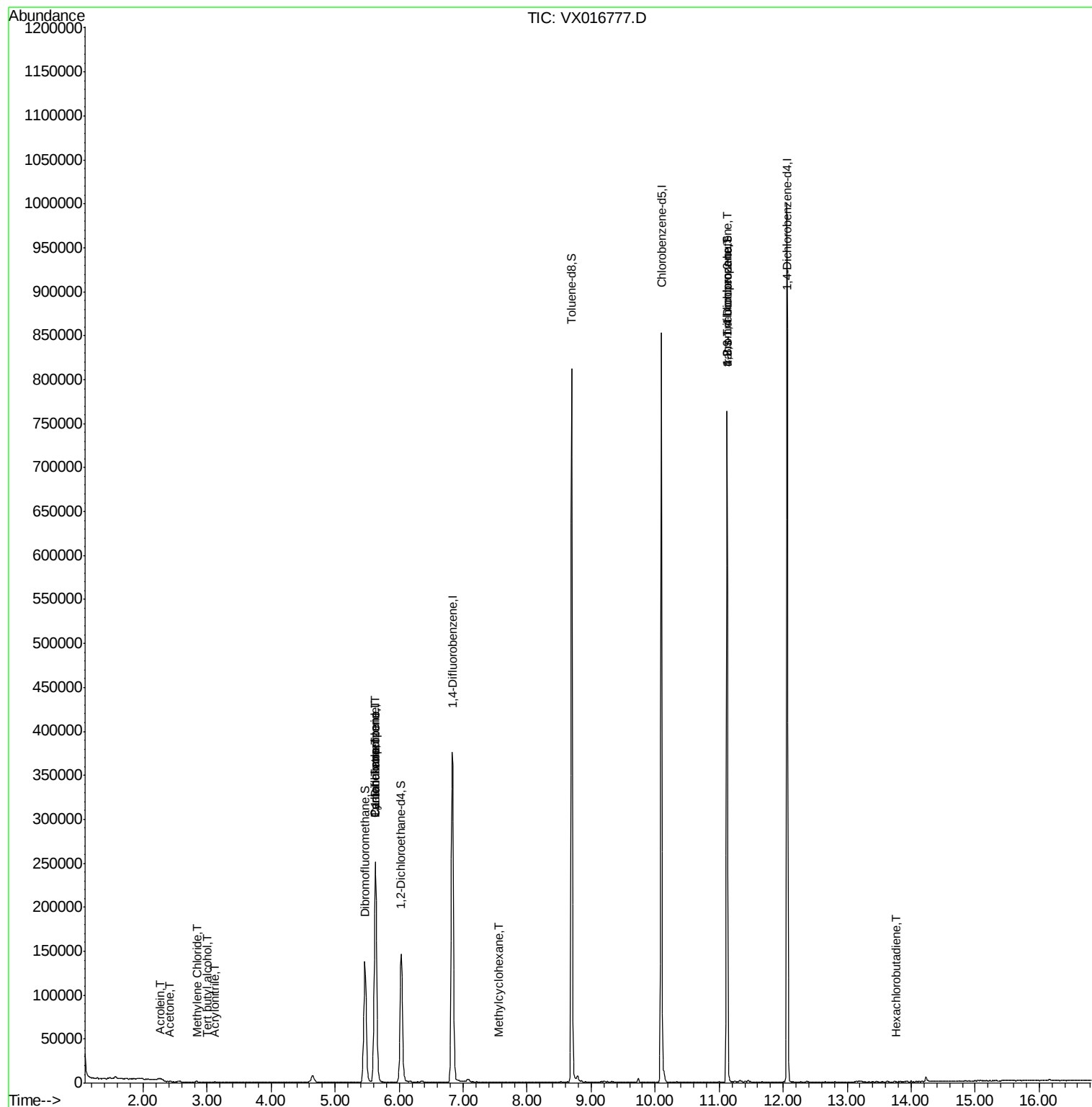
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.00	59	341	0.489	ug/l #	94
13) Acrolein	2.26	56	150	2.806	ug/l #	1
15) Acrylonitrile	3.12	53	379	0.268	ug/l #	73
16) Acetone	2.42	43	903	0.716	ug/l #	76
20) Methylene Chloride	2.84	84	693	0.255	ug/l #	90
31) Cyclohexane	5.63	56	4112	1.830	ug/l #	7
36) 1,1-Dichloropropene	5.63	75	17208	4.964	ug/l #	50
38) Carbon Tetrachloride	5.63	117	23484	5.965	ug/l #	17
39) Methylcyclohexane	7.55	83	18	0.957	ug/l #	19
76) 1,2,3-Trichloropropane	11.12	75	95668	21.485	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	95668	54.088	ug/l #	13
94) Hexachlorobutadiene	13.77	225	19	0.423	ug/l #	21

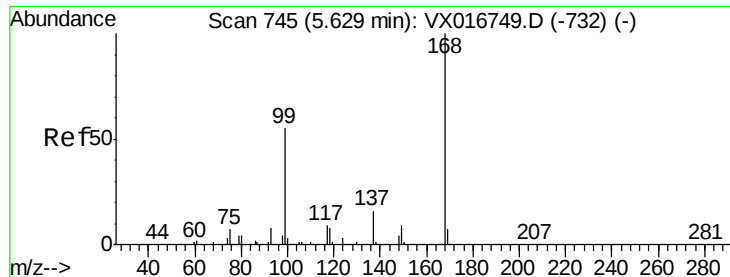
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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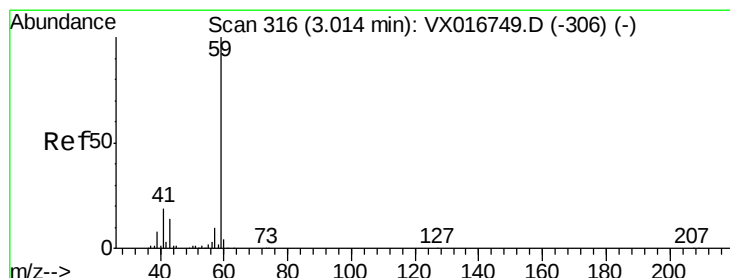
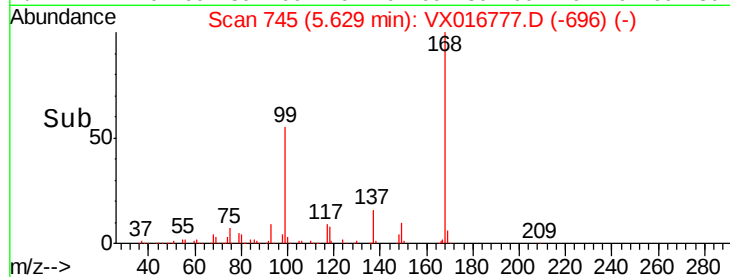
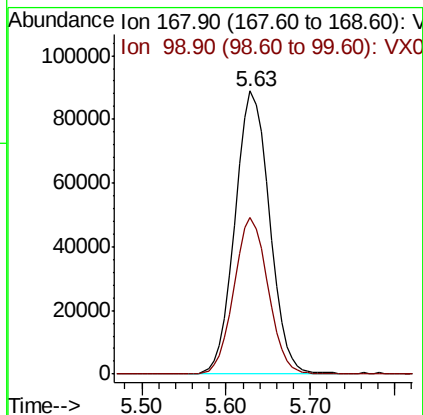
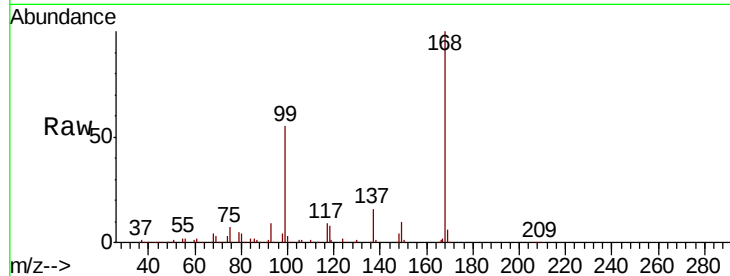


#1

Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.00 min
 Lab File: VX016777.D
 Acq: 16 Jun 2020 14:21

Instrument :
 MSVOA_X
 ClientSampleId :
 Z1-TB6-200610

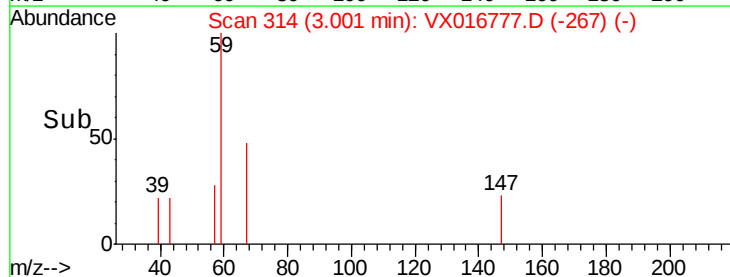
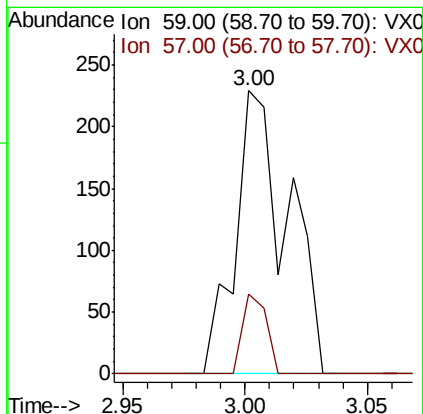
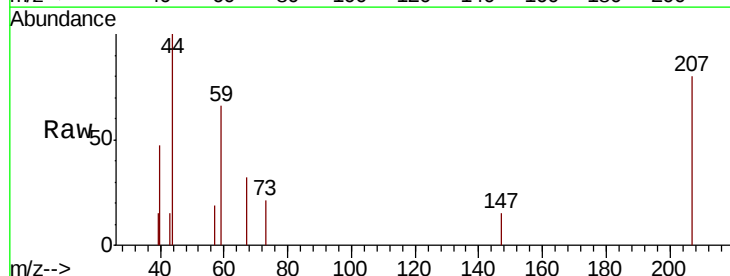
Tot Ion:168 Resp: 247031
 Ion Ratio Lower Upper
 168 100
 99 55.4 43.8 65.6

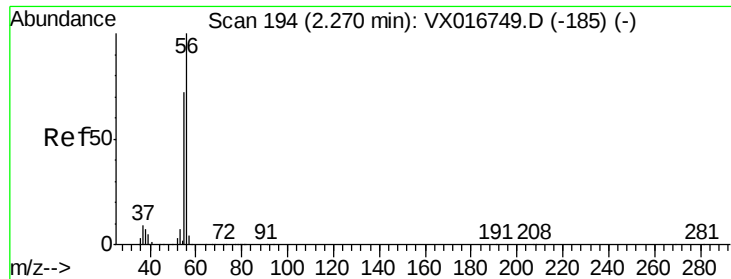


#11

Tert butyl alcohol
 Concen: 0.489 ug/l
 RT: 3.00 min Scan# 314
 Delta R.T. -0.01 min
 Lab File: VX016777.D
 Acq: 16 Jun 2020 14:21

Tgt Ion: 59 Resp: 341
 Ion Ratio Lower Upper
 59 100
 57 12.6 8.2 12.2#

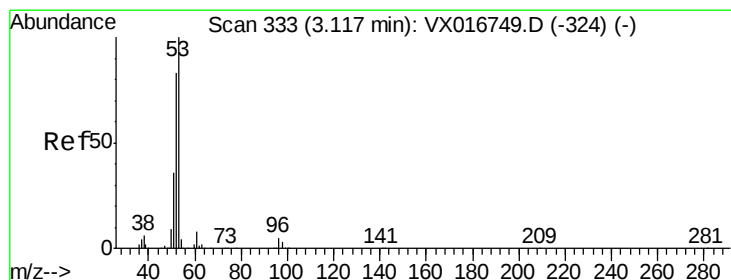
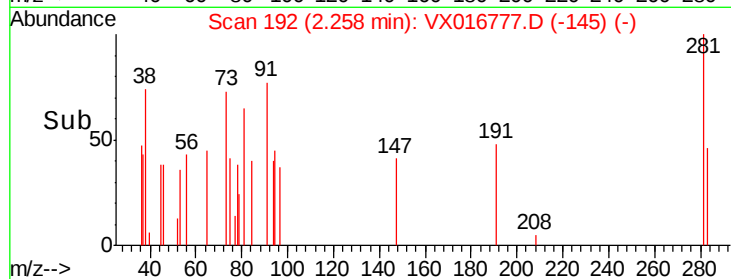
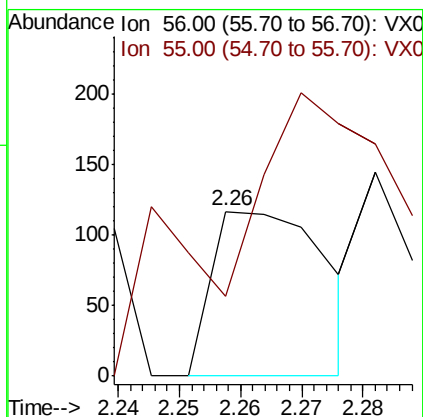
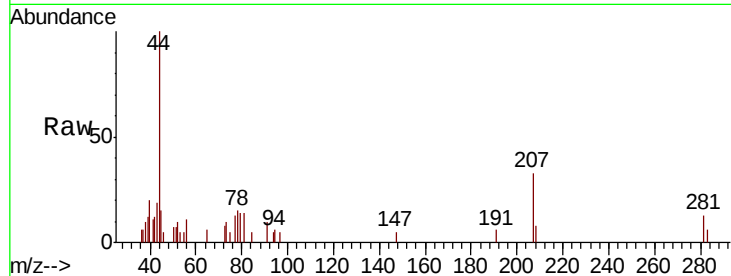




#13
Acrolein
Concen: 2.806 ug/l
RT: 2.26 min Scan# 192
Delta R.T. -0.01 min
Lab File: VX016777.D
Acq: 16 Jun 2020 14:21

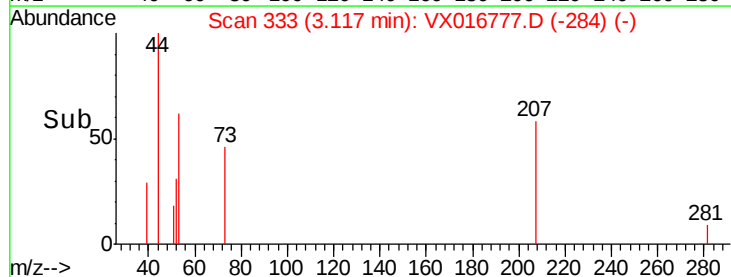
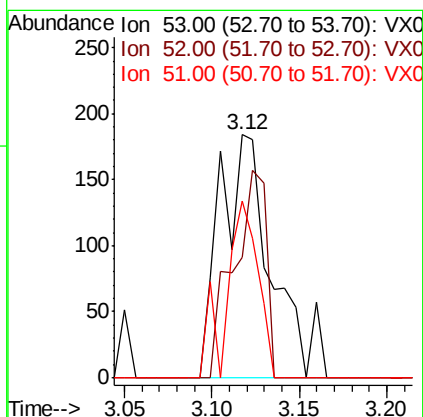
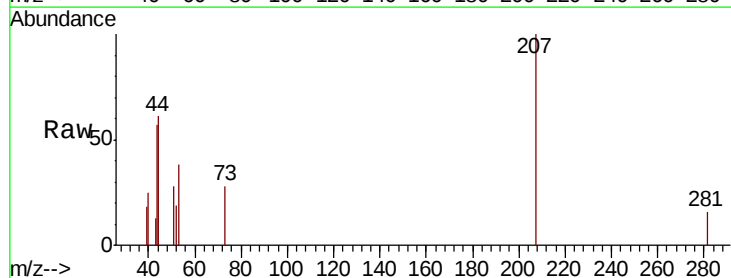
Instrument :
MSVOA_X
ClientSampleId :
Z1-TB6-200610

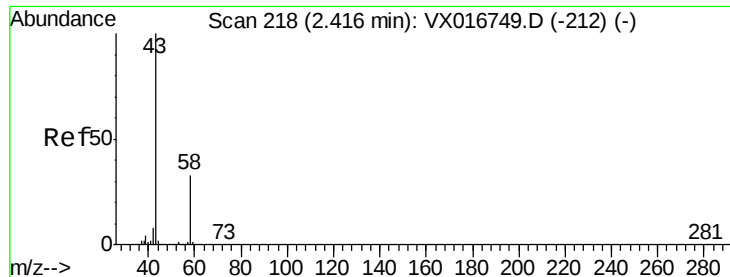
Tot Ion: 56 Resp: 150
Ion Ratio Lower Upper
56 100
55 342.0 58.2 87.4#



#15
Acrylonitrile
Concen: 0.268 ug/l
RT: 3.12 min Scan# 333
Delta R.T. -0.00 min
Lab File: VX016777.D
Acq: 16 Jun 2020 14:21

Tgt Ion: 53 Resp: 379
Ion Ratio Lower Upper
53 100
52 53.6 65.5 98.3#
51 44.9 28.6 42.8#





#16

Acetone

Concen: 0.716 ug/l

RT: 2.42 min Scan# 219

Delta R.T. 0.01 min

Lab File: VX016777.D

Acq: 16 Jun 2020 14:21

Instrument :

MSVOA_X

ClientSampleId :

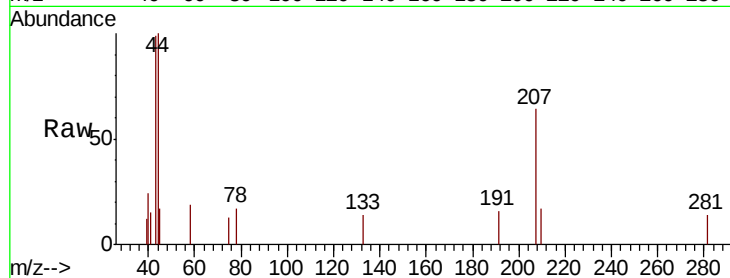
Z1-TB6-200610

Tot Ion: 43 Resp: 903

Ion Ratio Lower Upper

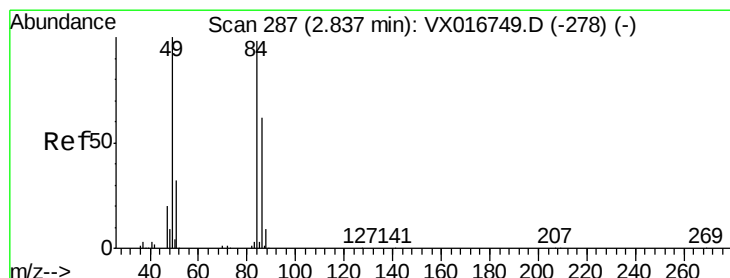
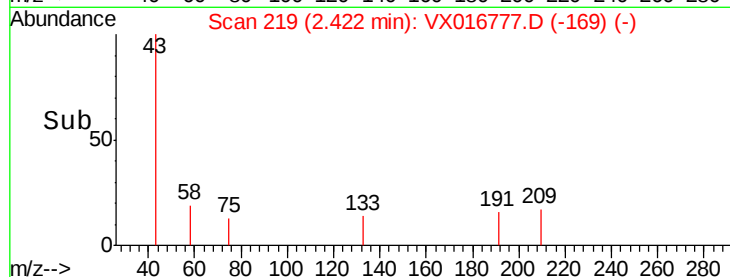
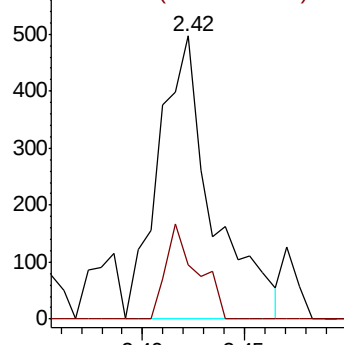
43 100

58 19.1 26.3 39.5#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#20

Methylene Chloride

Concen: 0.255 ug/l

RT: 2.84 min Scan# 287

Delta R.T. -0.00 min

Lab File: VX016777.D

Acq: 16 Jun 2020 14:21

Tgt Ion: 84 Resp: 693

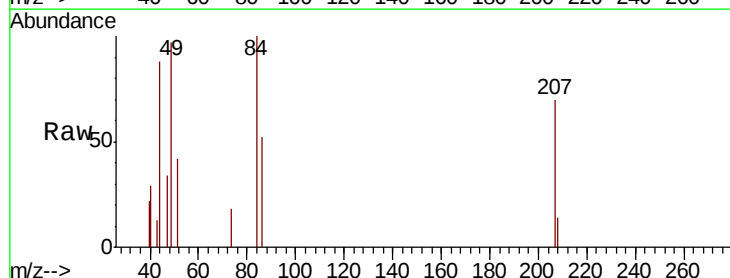
Ion Ratio Lower Upper

84 100

49 97.0 81.8 122.8

51 42.1 25.8 38.8#

86 51.9 50.4 75.6

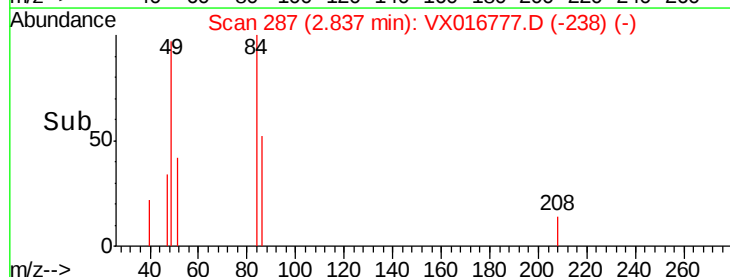
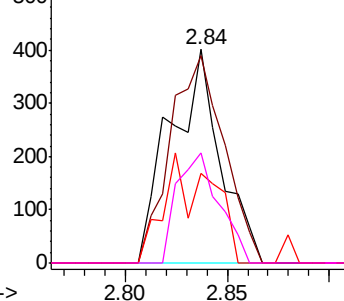


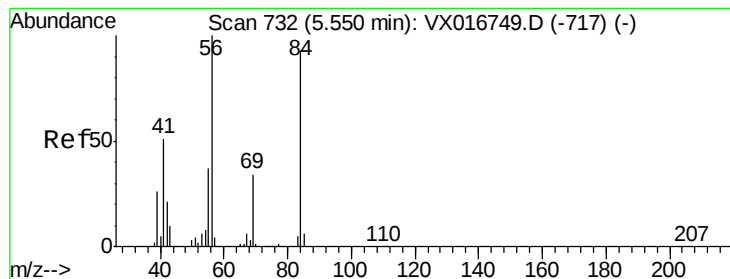
Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0





#31

Cyclohexane

Concen: 1.830 ug/l

RT: 5.63 min Scan# 745

Delta R.T. 0.08 min

Lab File: VX016777.D

Acq: 16 Jun 2020 14:21

Instrument :

MSVOA_X

ClientSampleId :

Z1-TB6-200610

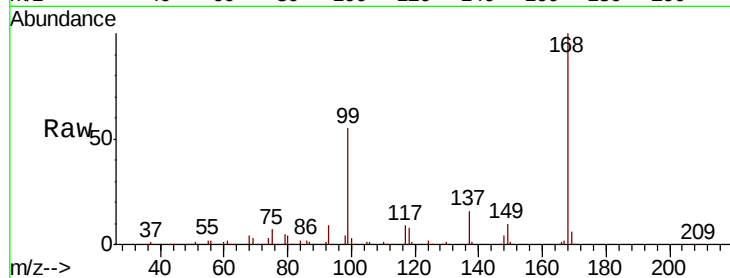
Tot Ion: 56 Resp: 4112

Ion Ratio Lower Upper

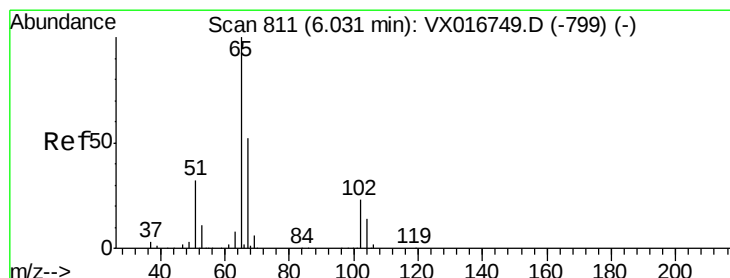
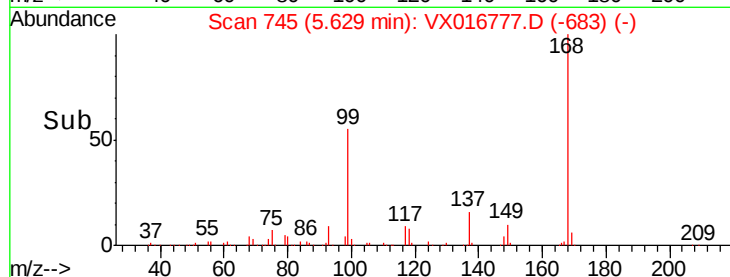
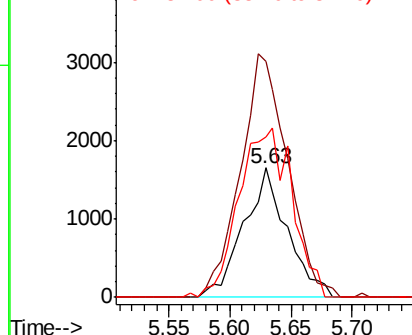
56 100

69 181.7 27.1 40.7#

84 123.3 74.0 111.0#



Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 51.809 ug/l

RT: 6.03 min Scan# 811

Delta R.T. 0.00 min

Lab File: VX016777.D

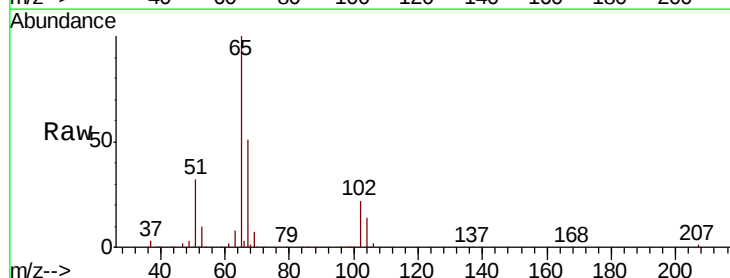
Acq: 16 Jun 2020 14:21

Tgt Ion: 65 Resp: 143958

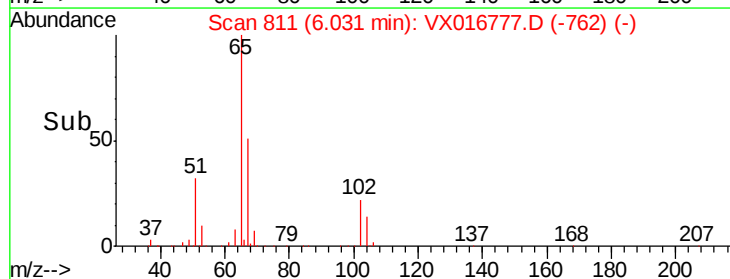
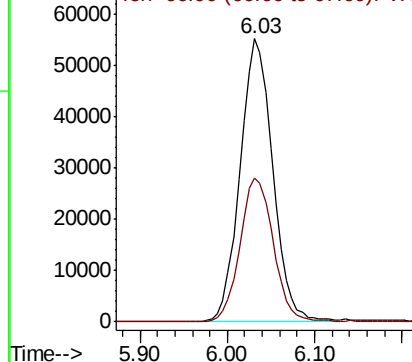
Ion Ratio Lower Upper

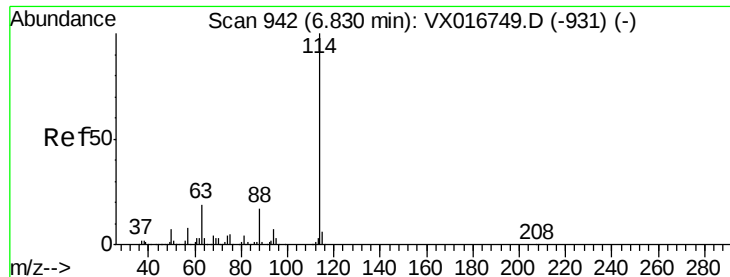
65 100

67 51.8 0.0 103.0



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.00 min

Lab File: VX016777.D

Acq: 16 Jun 2020 14:21

Instrument :

MSVOA_X

ClientSampleId :

Z1-TB6-200610

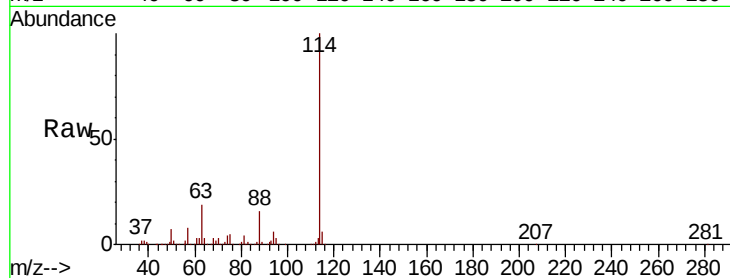
Tot Ion:114 Resp: 392267

Ion Ratio Lower Upper

114 100

63 19.1 0.0 38.8

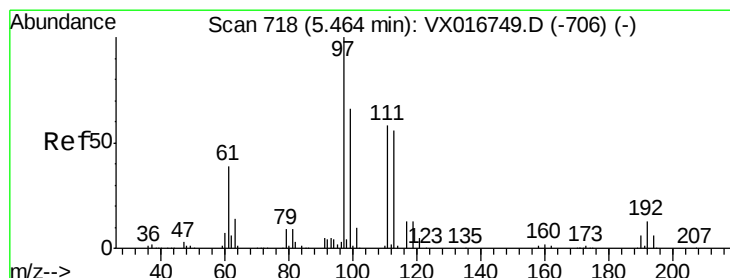
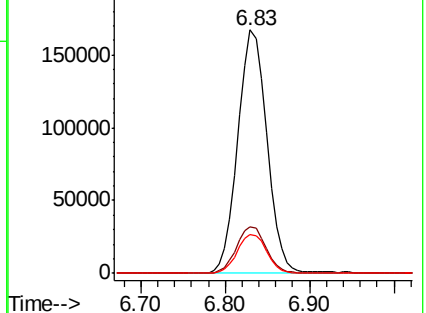
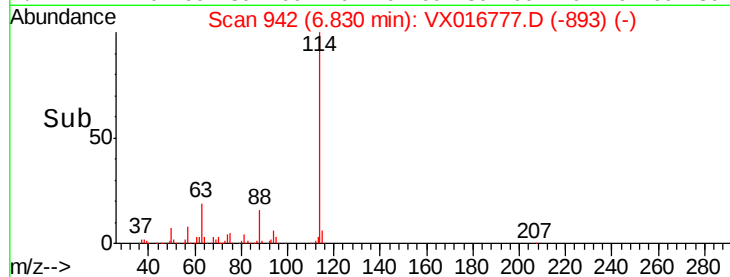
88 16.2 0.0 33.4



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: 49.305 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.00 min

Lab File: VX016777.D

Acq: 16 Jun 2020 14:21

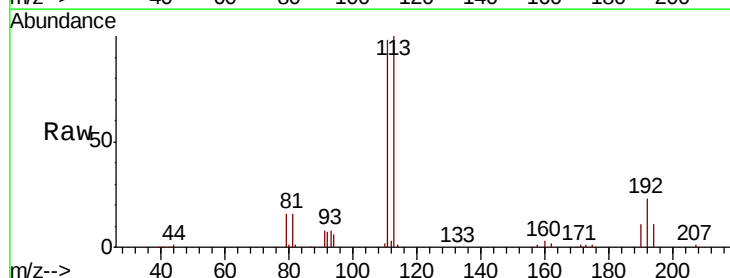
Tgt Ion:113 Resp: 119329

Ion Ratio Lower Upper

113 100

111 101.5 81.8 122.6

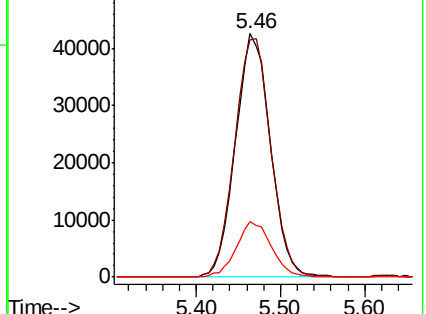
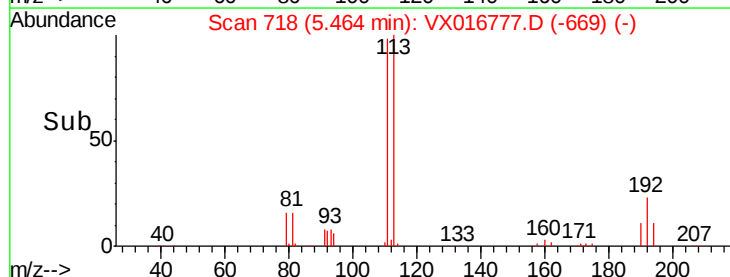
192 23.0 18.2 27.4

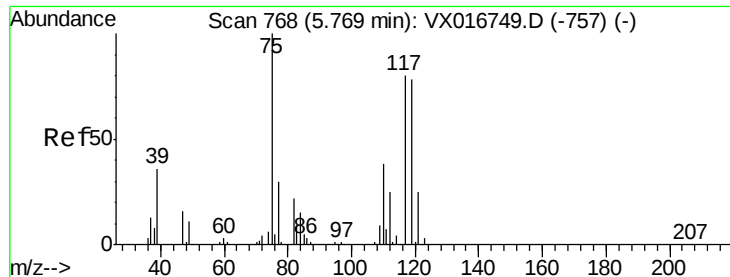


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.964 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX016777.D

Acq: 16 Jun 2020 14:21

Instrument :

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Z1-TB6-200610

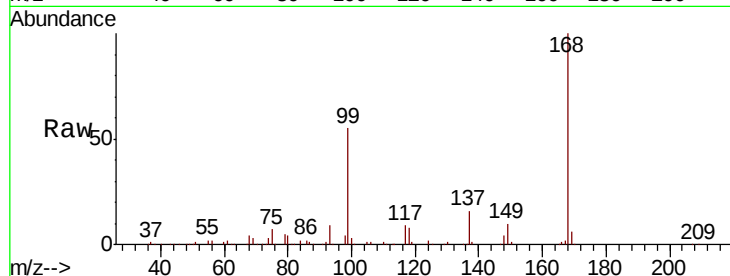
Tot Ion: 75 Resp: 17208

Ion Ratio Lower Upper

75 100

110 10.2 18.4 55.2#

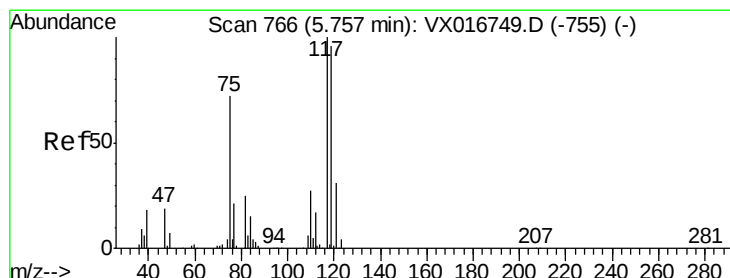
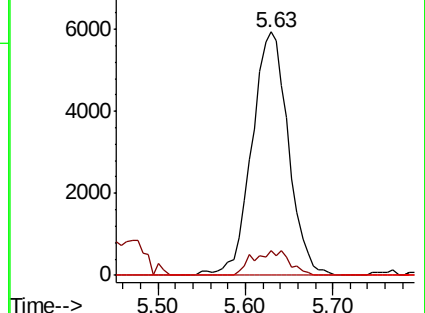
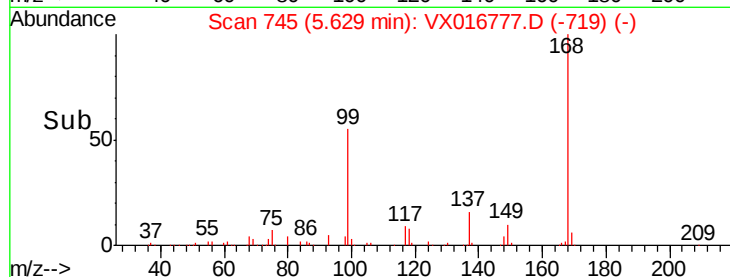
77 0.0 24.7 37.1#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0



#38

Carbon Tetrachloride

Concen: 5.965 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.13 min

Lab File: VX016777.D

Acq: 16 Jun 2020 14:21

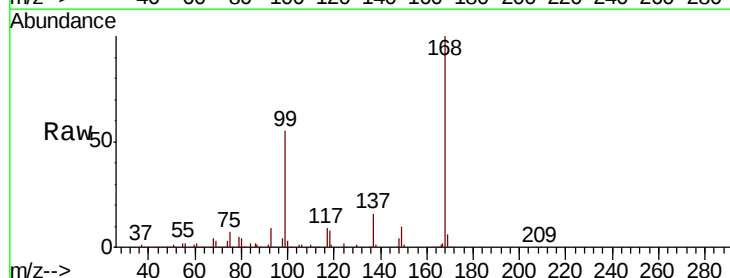
Tgt Ion: 117 Resp: 23484

Ion Ratio Lower Upper

117 100

119 6.0 76.7 115.1#

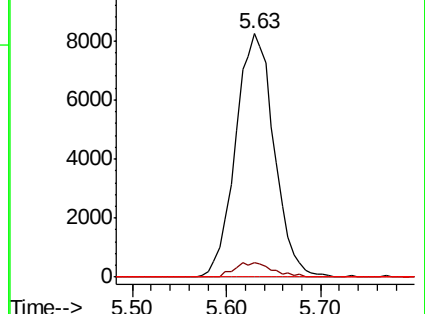
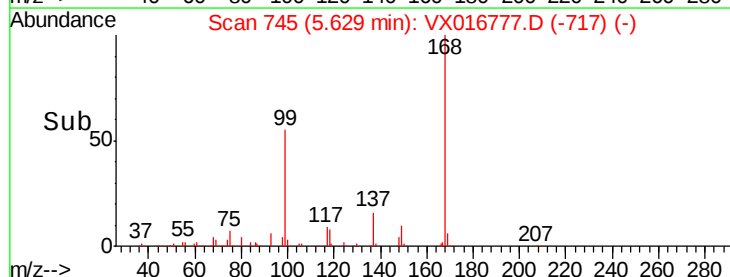
121 0.0 24.7 37.1#

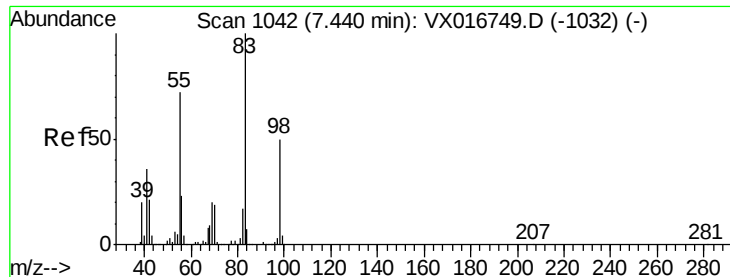


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

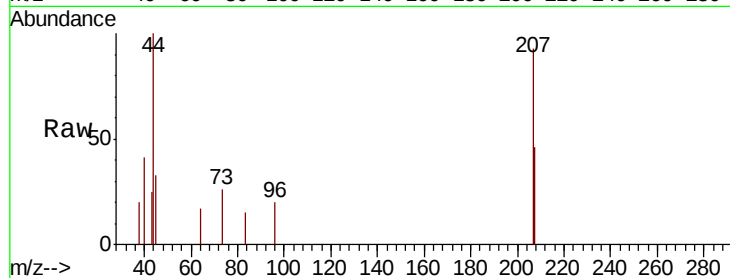




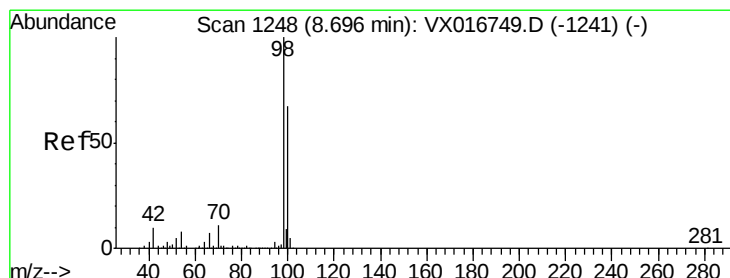
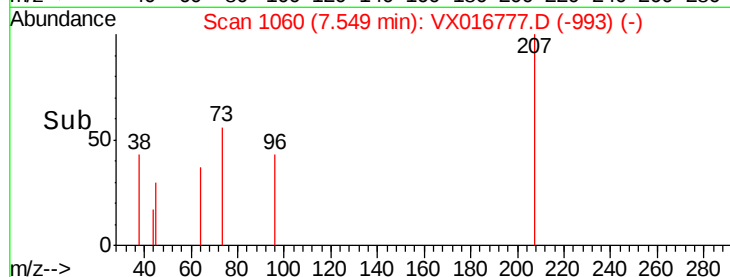
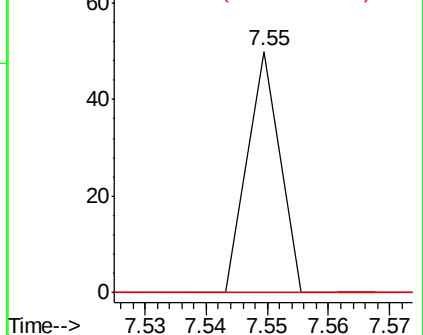
#39
Methylcyclohexane
Concen: 0.957 ug/l
RT: 7.55 min Scan# 1060
Delta R.T. 0.11 min
Lab File: VX016777.D
Acq: 16 Jun 2020 14:21

Instrument :
MSVOA_X
ClientSampleId :
Z1-TB6-200610

Tot Ion: 83 Resp: 18
Ion Ratio Lower Upper
83 100
55 0.0 57.3 85.9#
98 0.0 40.3 60.5#

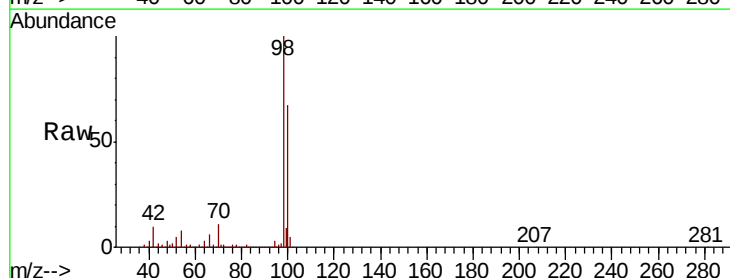


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

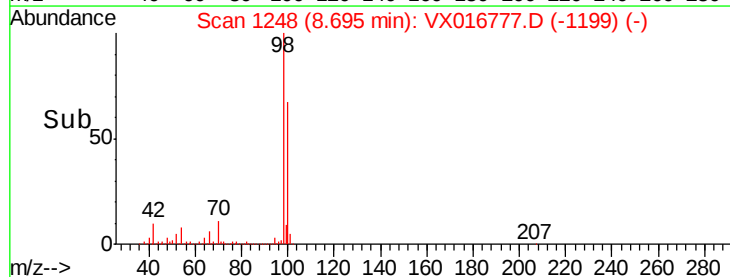
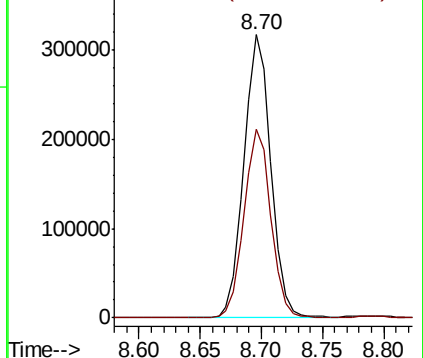


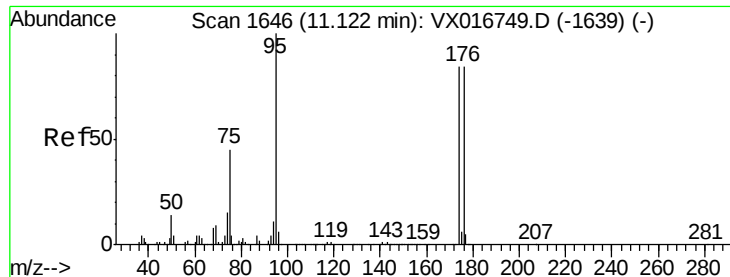
#50
Toluene-d8
Concen: 54.486 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX016777.D
Acq: 16 Jun 2020 14:21

Tgt Ion: 98 Resp: 486237
Ion Ratio Lower Upper
98 100
100 66.3 53.9 80.9



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): VX0





#62

4-Bromofluorobenzene

Concen: 58.263 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016777.D

Acq: 16 Jun 2020 14:21

Instrument :

MSVOA_X

ClientSampleId :

Z1-TB6-200610

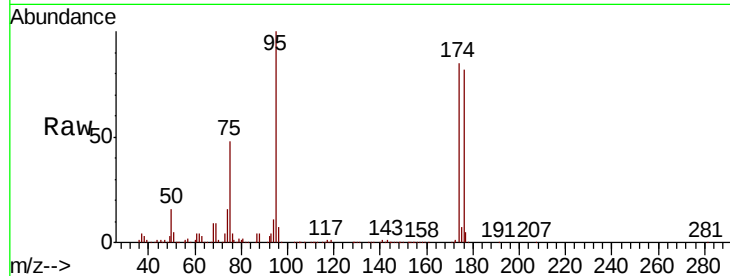
Tot Ion: 95 Resp: 198876

Ion Ratio Lower Upper

95 100

174 86.4 0.0 171.0

176 84.6 0.0 166.2



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

200000

150000

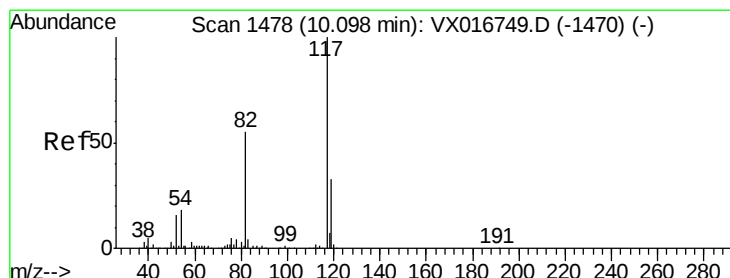
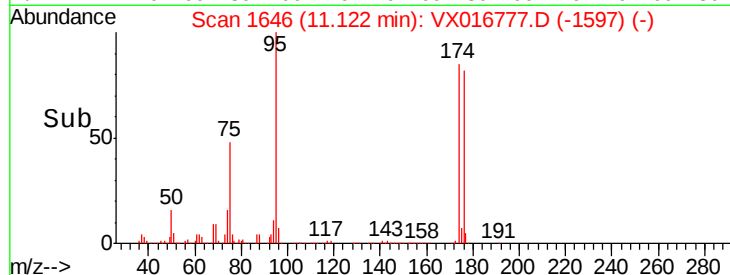
100000

50000

0

11.10 11.12 11.20

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX016777.D

Acq: 16 Jun 2020 14:21

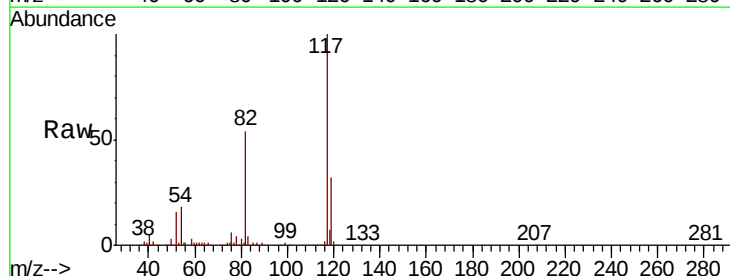
Tgt Ion: 117 Resp: 405085

Ion Ratio Lower Upper

117 100

82 53.9 43.8 65.6

119 32.0 26.2 39.4



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

400000

300000

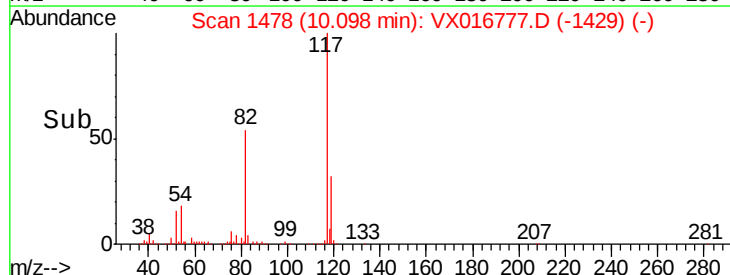
200000

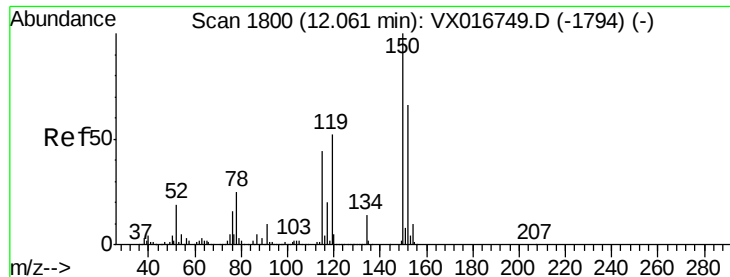
100000

0

10.00 10.10 10.20

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: VX016777.D

Acq: 16 Jun 2020 14:21

Instrument :

MSVOA_X

ClientSampleId :

Z1-TB6-200610

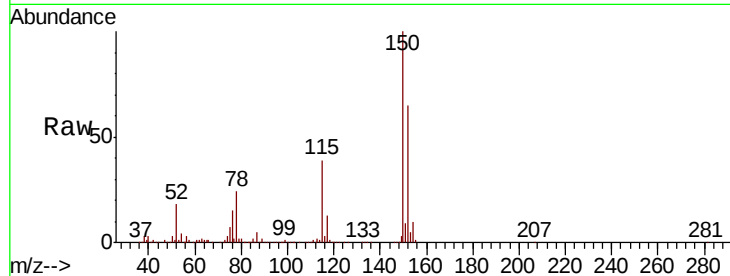
Tot Ion:152 Resp: 211739

Ion Ratio Lower Upper

152 100

115 57.7 40.3 120.8

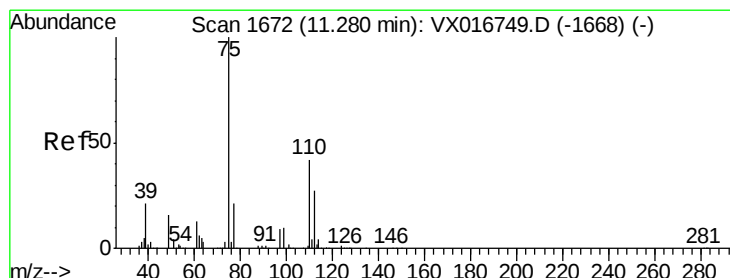
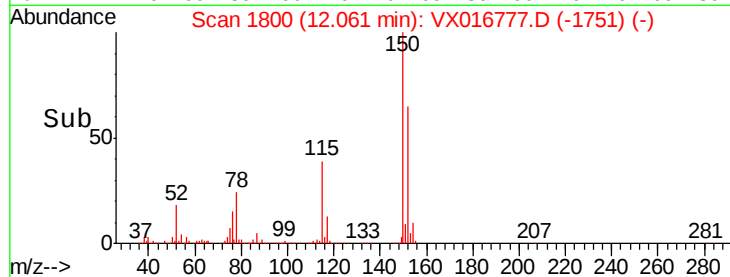
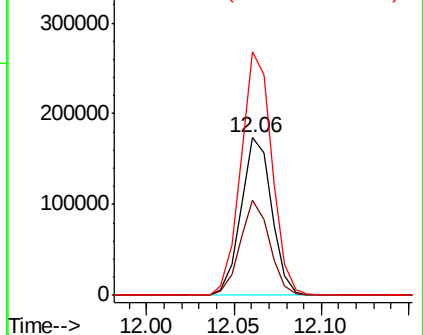
150 156.0 0.0 337.4



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 21.485 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016777.D

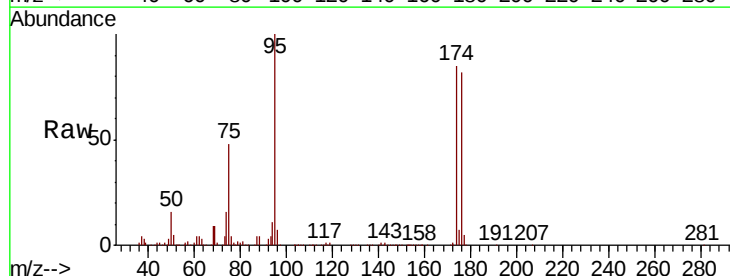
Acq: 16 Jun 2020 14:21

Tgt Ion: 75 Resp: 95668

Ion Ratio Lower Upper

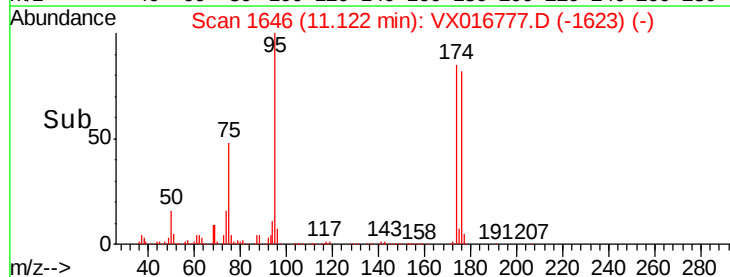
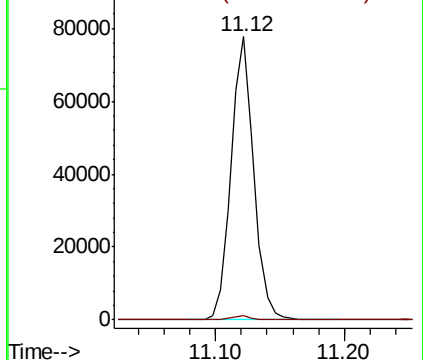
75 100

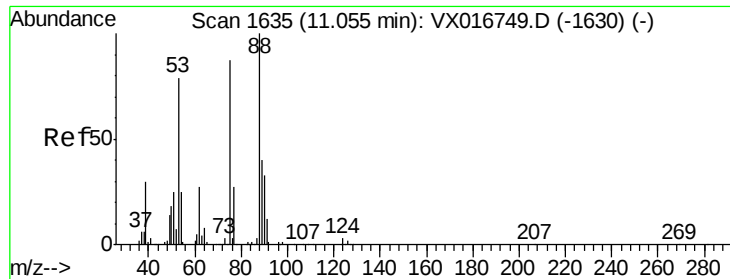
77 1.3 20.3 60.9#



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: 54.088 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX016777.D

Acq: 16 Jun 2020 14:21

Instrument :

MSVOA_X

ClientSampleId :

Z1-TB6-200610

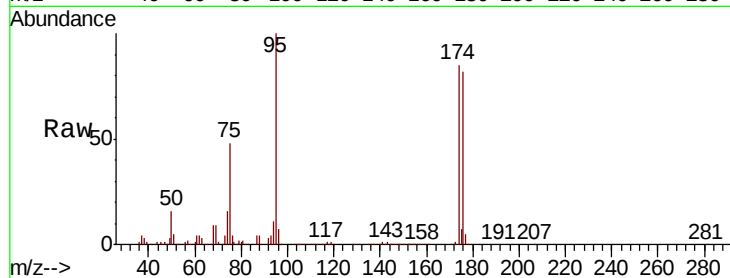
Tot Ion: 75 Resp: 95668

Ion Ratio Lower Upper

75 100

53 0.1 71.4 107.0#

89 0.0 39.1 58.7#

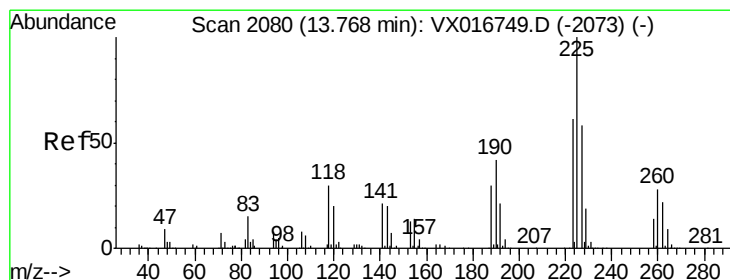
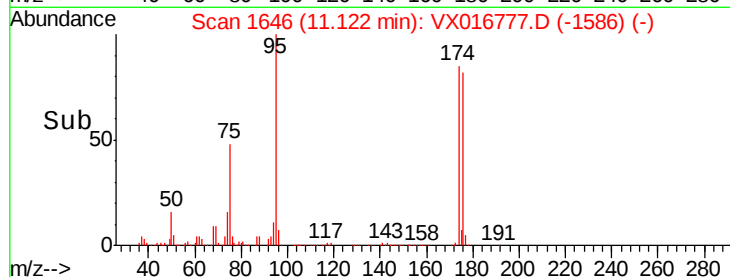
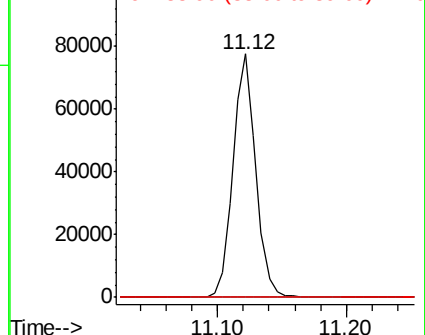


Abundance

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



#94

Hexachlorobutadiene

Concen: 0.423 ug/l

RT: 13.77 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX016777.D

Acq: 16 Jun 2020 14:21

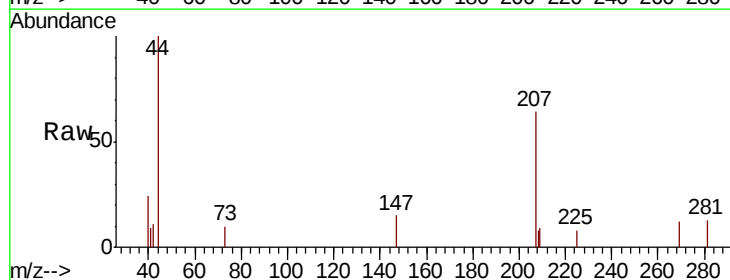
Tgt Ion: 225 Resp: 19

Ion Ratio Lower Upper

225 100

223 0.0 31.1 93.5#

227 121.1 30.9 92.7#



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

