

Data File : VX016760.D
Acq On : 15 Jun 2020 17:40
Operator : JC/SP
Sample : L3004-07
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
Z1-TB9-200611

Quant Time: Jun 16 03:11:03 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	243340	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	374340	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	389184	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	201106	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.03	65	137145	50.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.22%	
35) Dibromofluoromethane	5.46	113	113587	49.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.36%	
50) Toluene-d8	8.70	98	466845	54.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.64%	
62) 4-Bromofluorobenzene	11.12	95	191113	58.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	117.34%	

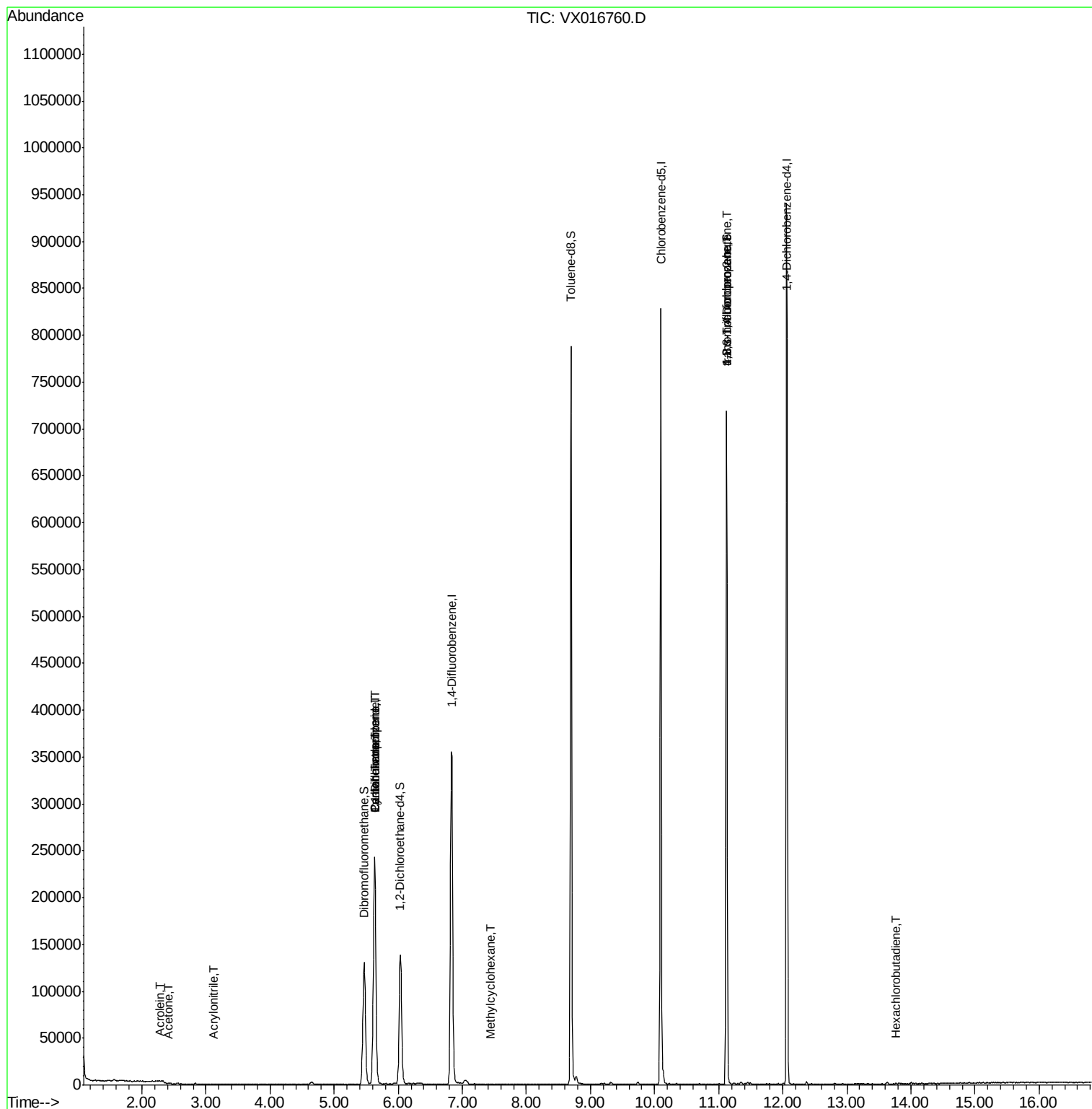
Target Compounds			Qvalue			
13) Acrolein	2.28	56	355	3.507	ug/l #	37
15) Acrylonitrile	3.11	53	396	0.284	ug/l	91
16) Acetone	2.41	43	297	0.239	ug/l #	42
31) Cyclohexane	5.63	56	4192	1.870	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	16067	4.857	ug/l #	49
38) Carbon Tetrachloride	5.63	117	22555	6.003	ug/l #	15
39) Methylcyclohexane	7.45	83	215	1.008	ug/l #	64
76) 1,2,3-Trichloropropane	11.12	75	92039	21.763	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	92039	54.787	ug/l #	13
94) Hexachlorobutadiene	13.77	225	298	0.566	ug/l	82

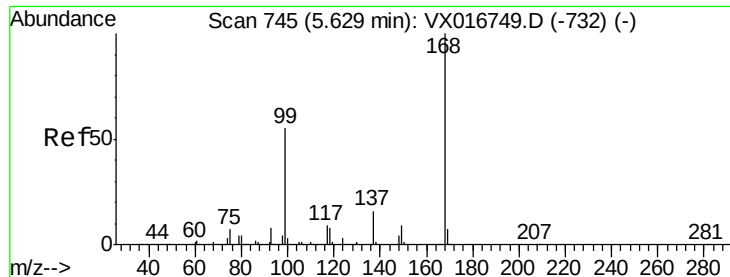
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 746

Delta R.T. 0.01 min

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Instrument :

MSVOA_X

ClientSampleId :

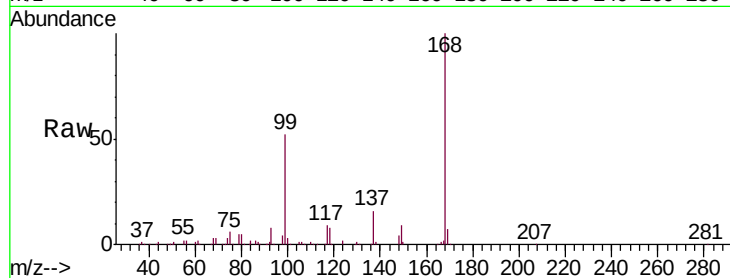
Z1-TB9-200611

Tgt Ion:168 Resp: 243340

Ion Ratio Lower Upper

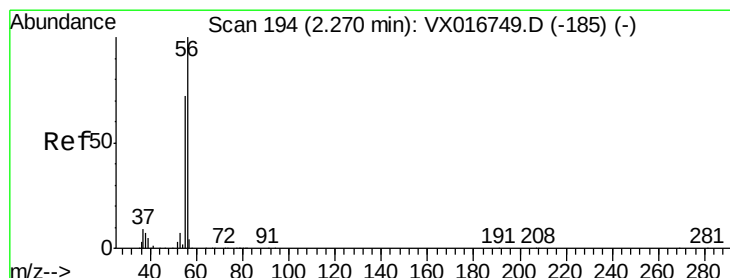
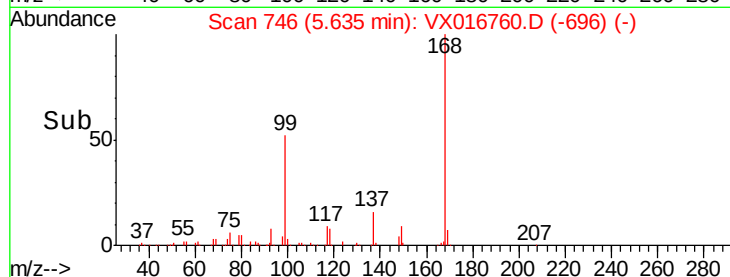
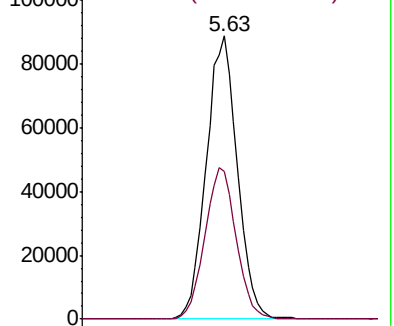
168 100

99 52.3 43.8 65.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#13

Acrolein

Concen: 3.507 ug/l

RT: 2.28 min Scan# 195

Delta R.T. 0.01 min

Lab File: VX016760.D

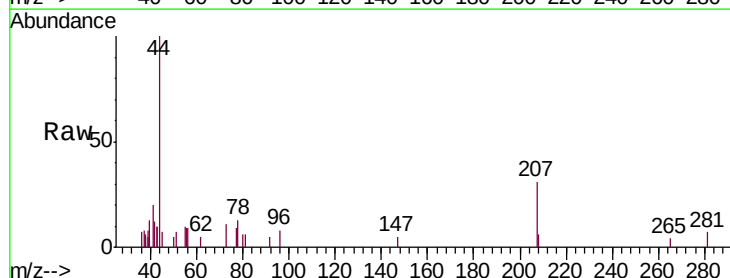
Acq: 15 Jun 2020 17:40

Tgt Ion: 56 Resp: 355

Ion Ratio Lower Upper

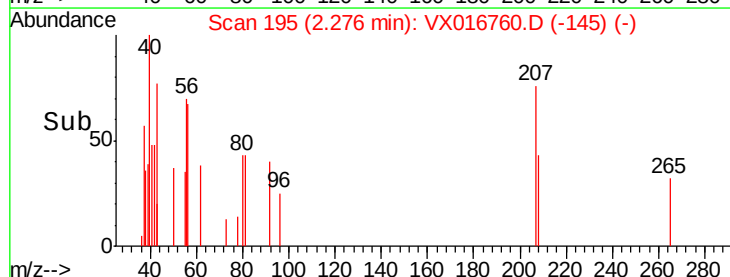
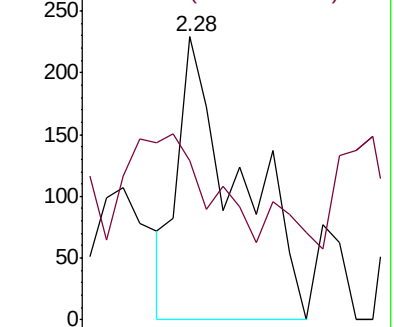
56 100

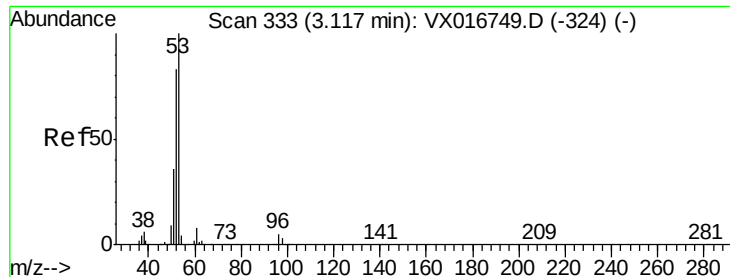
55 125.4 58.2 87.4#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0





#15

Acrylonitrile

Concen: 0.284 ug/l

RT: 3.11 min Scan# 332

Delta R.T. -0.01 min

Lab File: VX016760.D

Acq: 15 Jun 2020 17:40

Instrument :

MSVOA_X

ClientSampleId :

Z1-TB9-200611

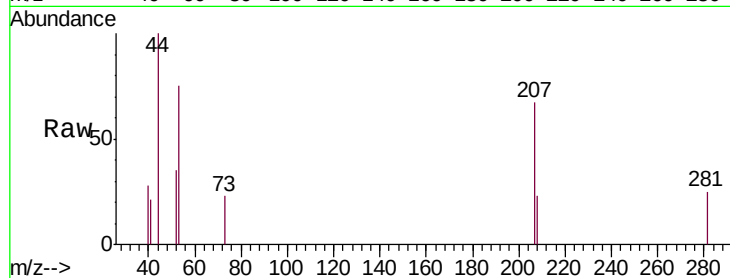
Tgt Ion: 53 Resp: 396

Ion Ratio Lower Upper

53 100

52 90.9 65.5 98.3

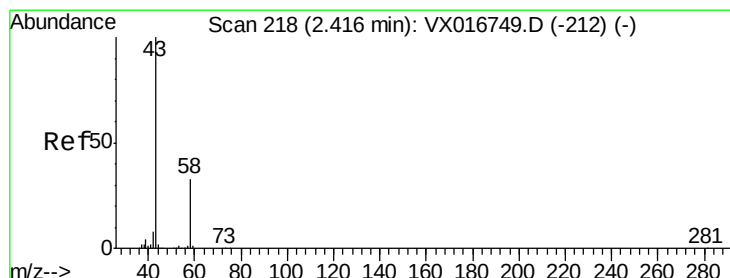
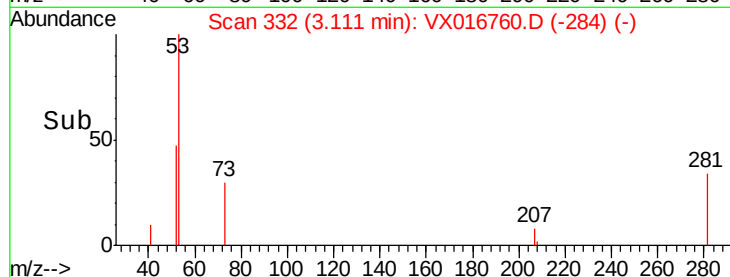
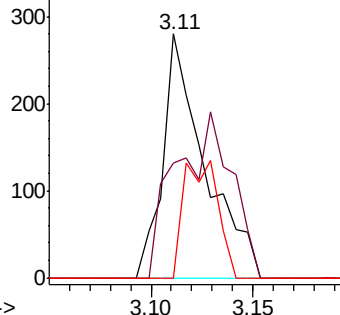
51 39.6 28.6 42.8



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 0.239 ug/l

RT: 2.41 min Scan# 217

Delta R.T. -0.01 min

Lab File: VX016760.D

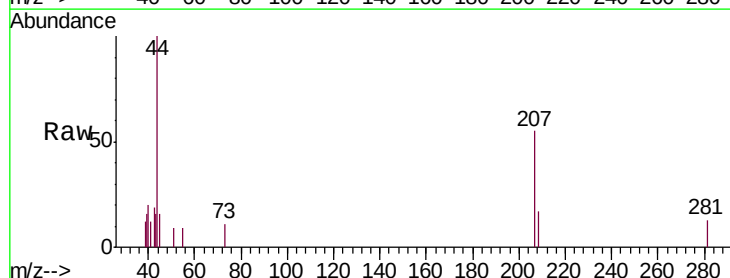
Acq: 15 Jun 2020 17:40

Tgt Ion: 43 Resp: 297

Ion Ratio Lower Upper

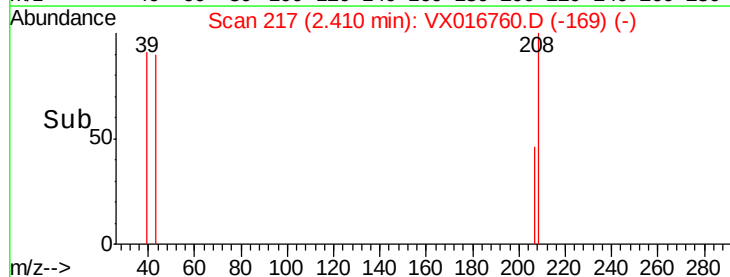
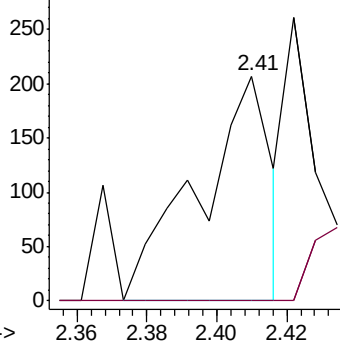
43 100

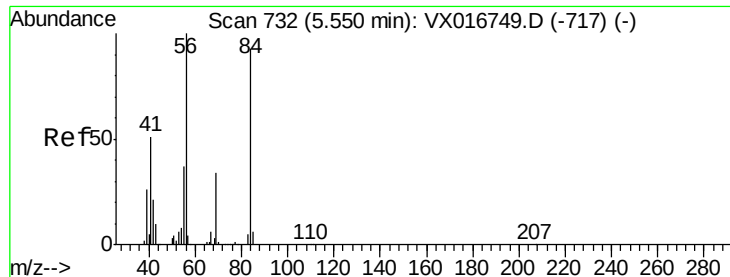
58 0.0 26.3 39.5#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

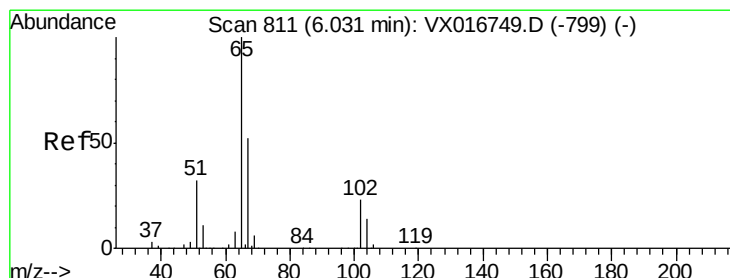
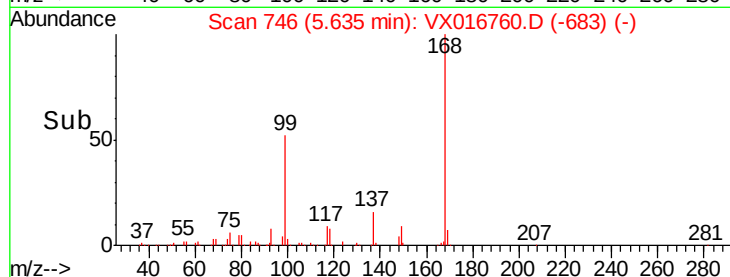
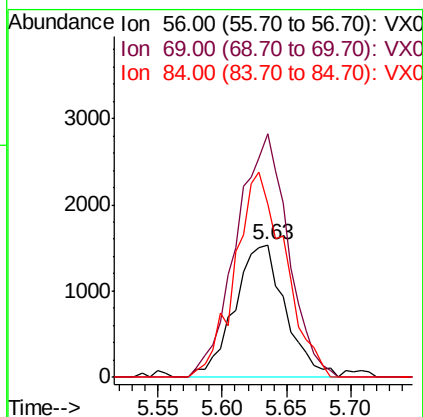
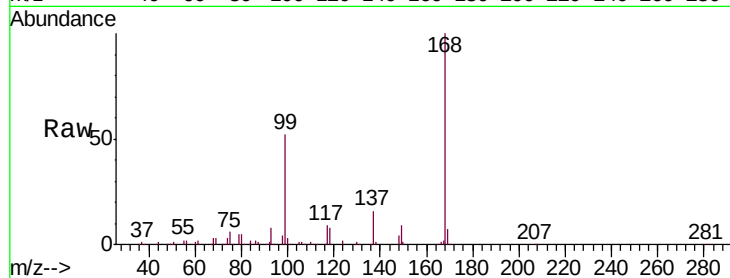




#31
Cyclohexane
Concen: 1.870 ug/l
RT: 5.63 min Scan# 746
Delta R.T. 0.09 min
Lab File: VX016760.D
Acq: 15 Jun 2020 17:40

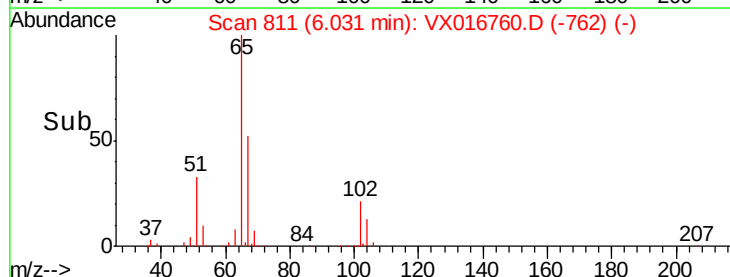
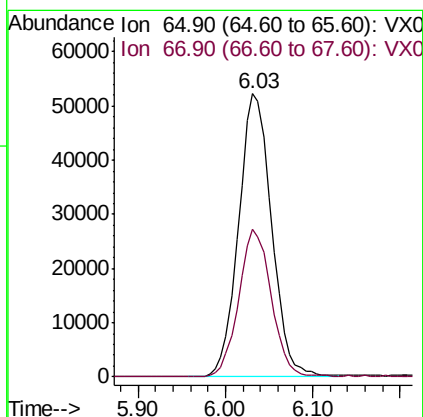
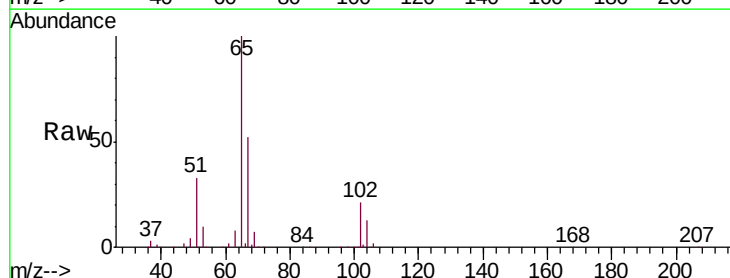
Instrument :
MSVOA_X
ClientSampleId :
Z1-TB9-200611

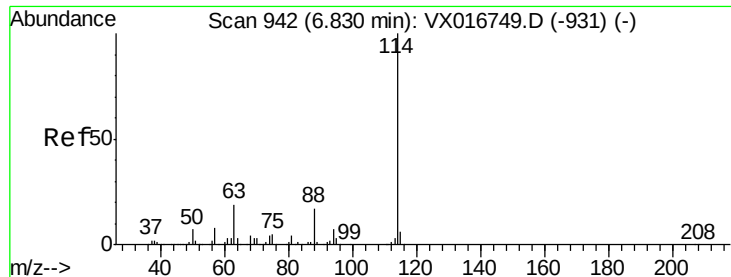
Tgt Ion: 56 Resp: 4192
Ion Ratio Lower Upper
56 100
69 183.4 27.1 40.7#
84 130.4 74.0 111.0#



#33
1,2-Dichloroethane-d4
Concen: 50.108 ug/l
RT: 6.03 min Scan# 811
Delta R.T. 0.00 min
Lab File: VX016760.D
Acq: 15 Jun 2020 17:40

Tgt Ion: 65 Resp: 137145
Ion Ratio Lower Upper
65 100
67 51.4 0.0 103.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 943

Delta R.T. 0.01 min

Lab File: VX016760.D

Acq: 15 Jun 2020 17:40

Instrument :

MSVOA_X

ClientSampleId :

Z1-TB9-200611

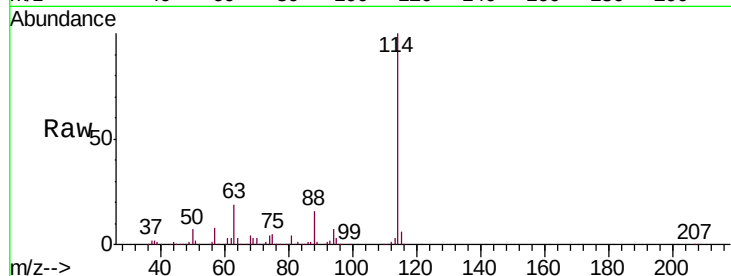
Tgt Ion:114 Resp: 374340

Ion Ratio Lower Upper

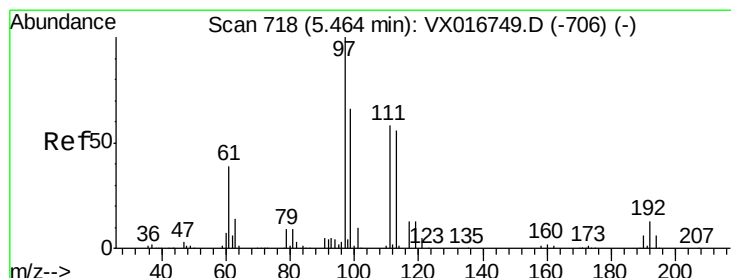
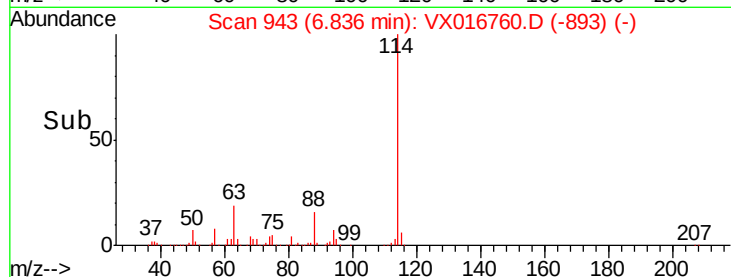
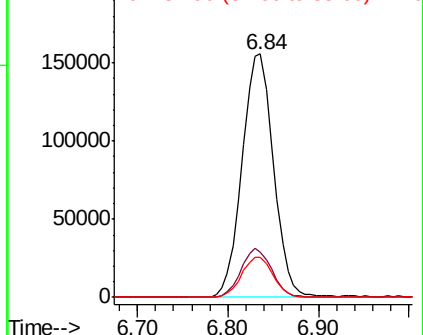
114 100

63 18.8 0.0 38.8

88 16.3 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: 49.180 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.00 min

Lab File: VX016760.D

Acq: 15 Jun 2020 17:40

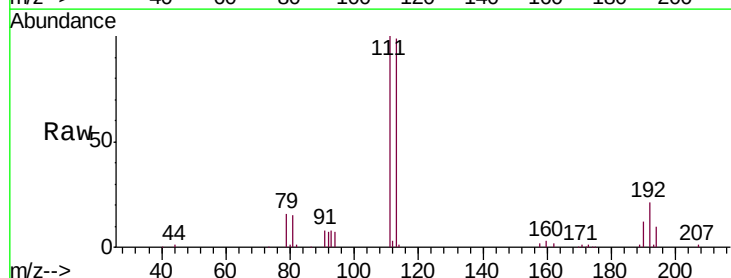
Tgt Ion:113 Resp: 113587

Ion Ratio Lower Upper

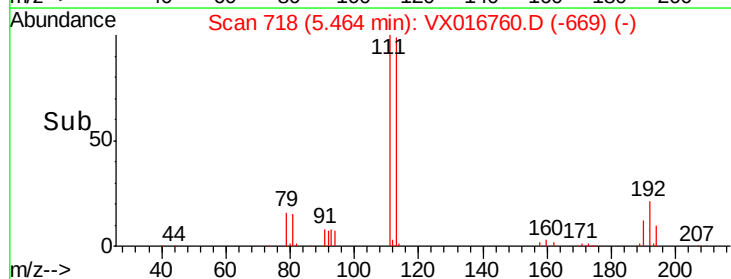
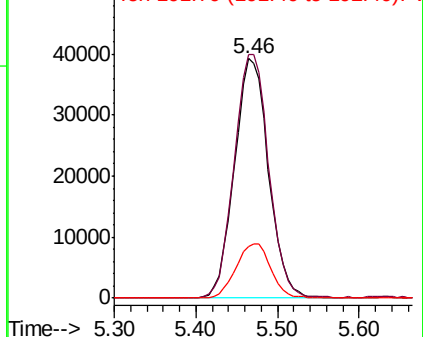
113 100

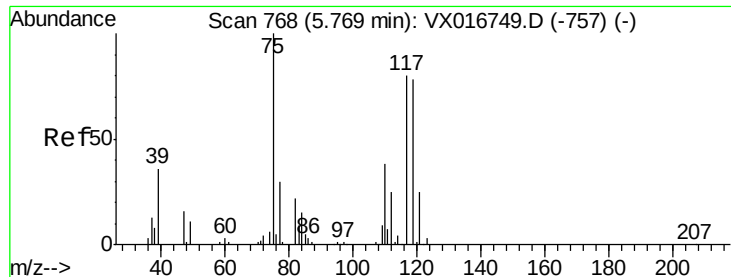
111 103.2 81.8 122.6

192 23.2 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: 4.857 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX016760.D

Acq: 15 Jun 2020 17:40

Instrument :

MSVOA_X

ClientSampleId :

Z1-TB9-200611

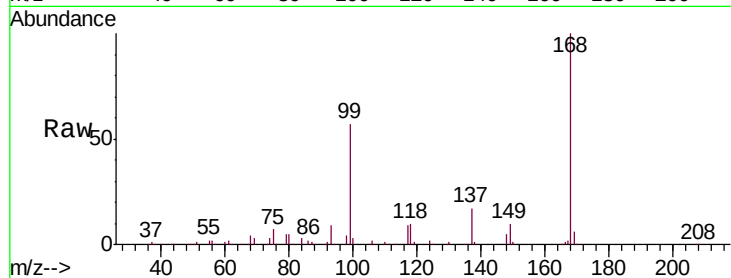
Tgt Ion: 75 Resp: 16067

Ion Ratio Lower Upper

75 100

110 9.4 18.4 55.2#

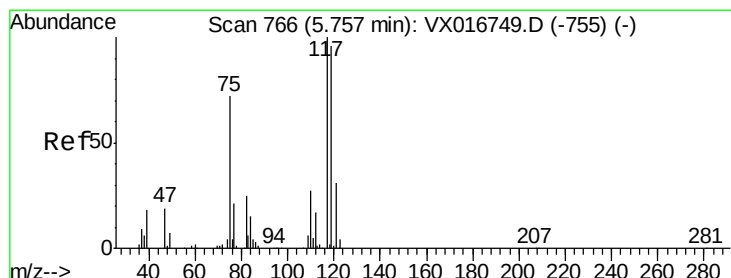
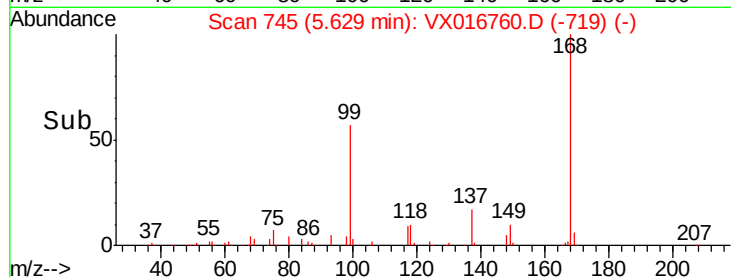
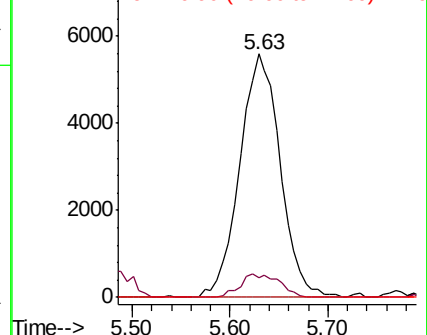
77 0.0 24.7 37.1#



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: 6.003 ug/l

RT: 5.63 min Scan# 746

Delta R.T. -0.12 min

Lab File: VX016760.D

Acq: 15 Jun 2020 17:40

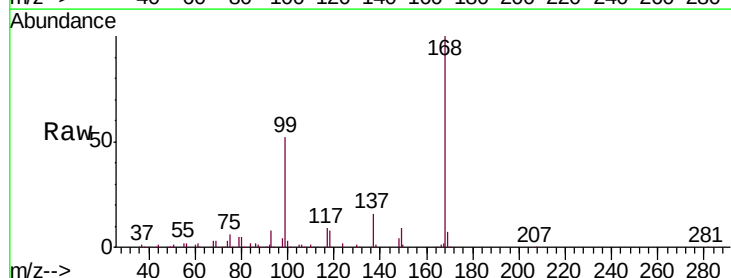
Tgt Ion: 117 Resp: 22555

Ion Ratio Lower Upper

117 100

119 4.2 76.7 115.1#

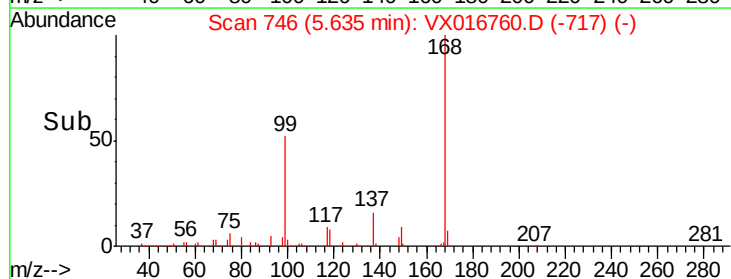
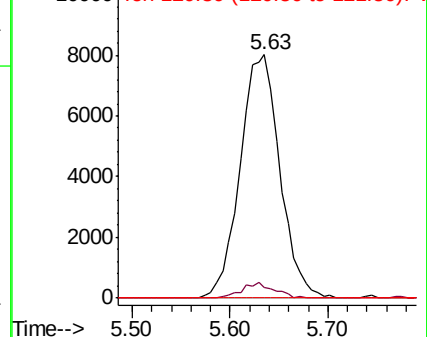
121 0.0 24.7 37.1#

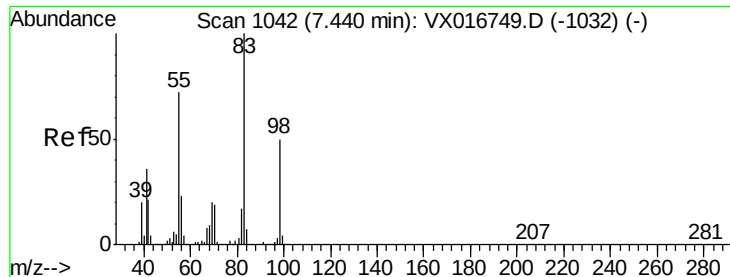


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

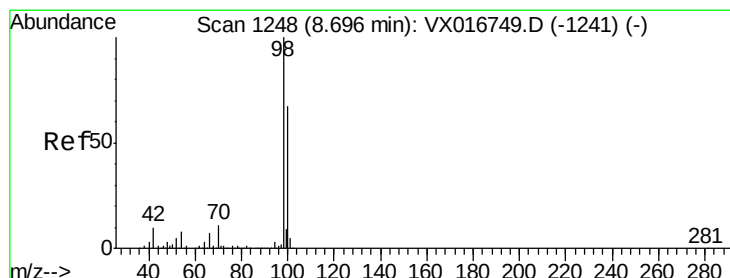
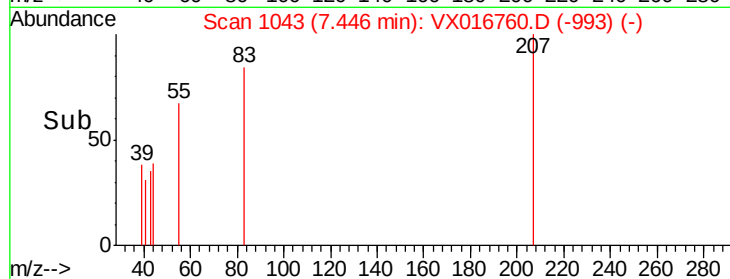
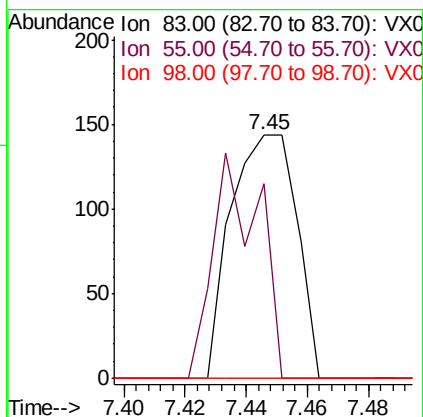
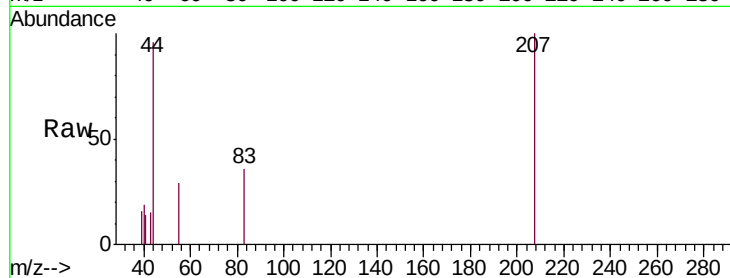




#39
Methylcyclohexane
Concen: 1.008 ug/l
RT: 7.45 min Scan# 1043
Delta R.T. 0.01 min
Lab File: VX016760.D
Acq: 15 Jun 2020 17:40

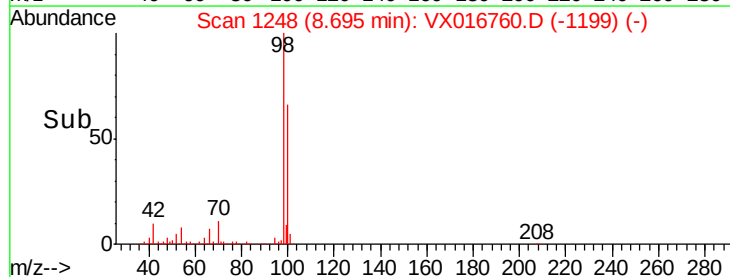
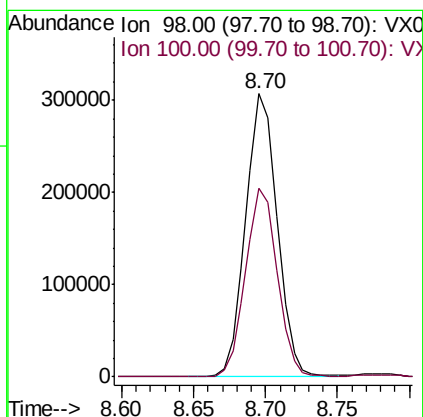
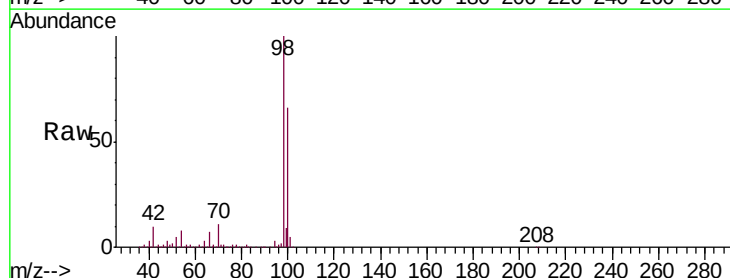
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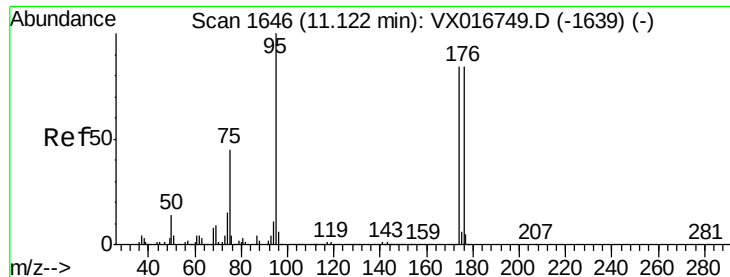
Tgt Ion: 83 Resp: 215
Ion Ratio Lower Upper
83 100
55 79.9 57.3 85.9
98 0.0 40.3 60.5#



#50
Toluene-d8
Concen: 54.819 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX016760.D
Acq: 15 Jun 2020 17:40

Tgt Ion: 98 Resp: 466845
Ion Ratio Lower Upper
98 100
100 66.8 53.9 80.9

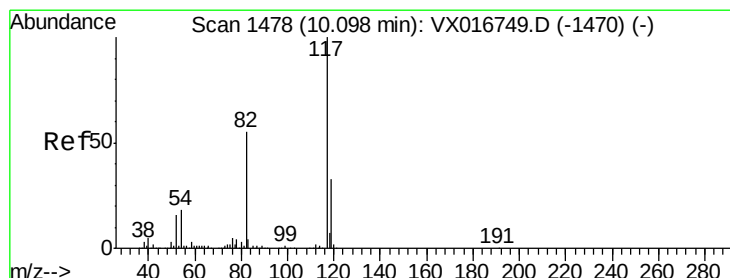
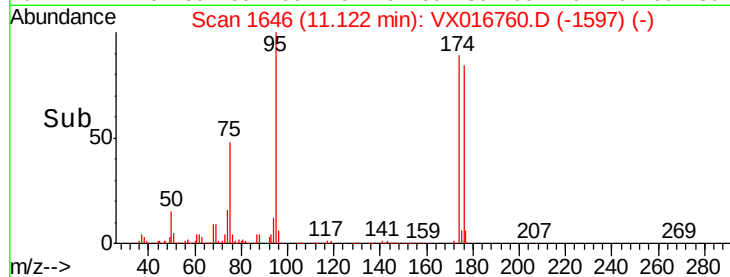
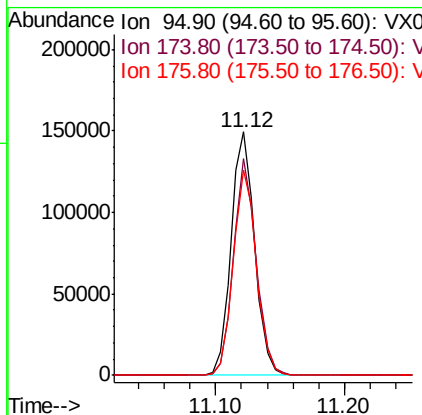
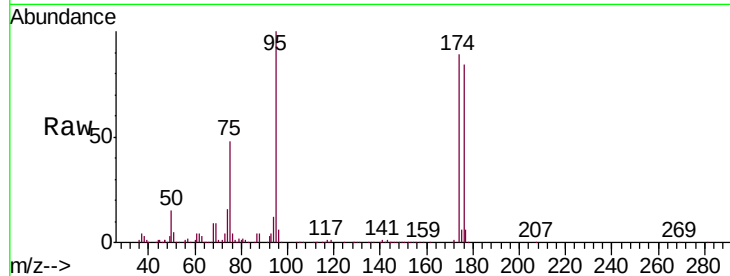




#62
4-Bromofluorobenzene
Concen: 58.670 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX016760.D
Acq: 15 Jun 2020 17:40

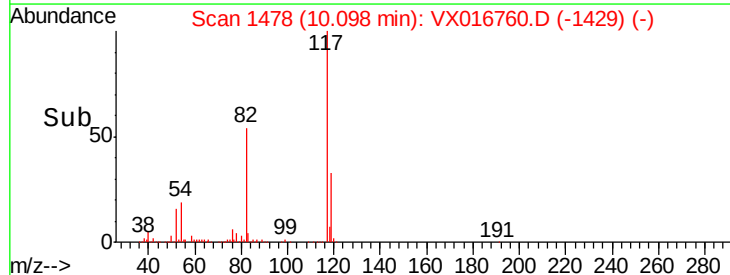
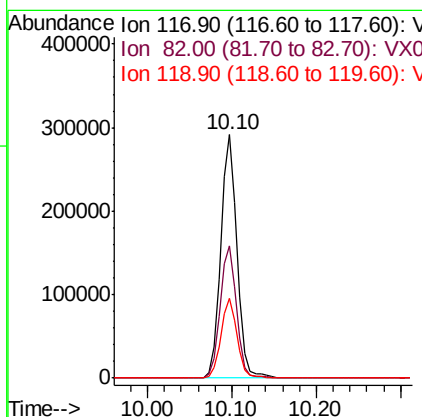
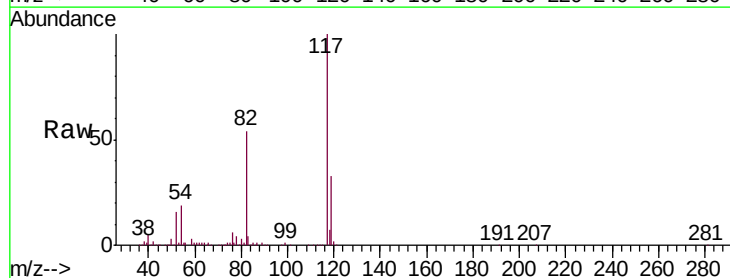
Instrument :
MSVOA_X
ClientSampleId :
Z1-TB9-200611

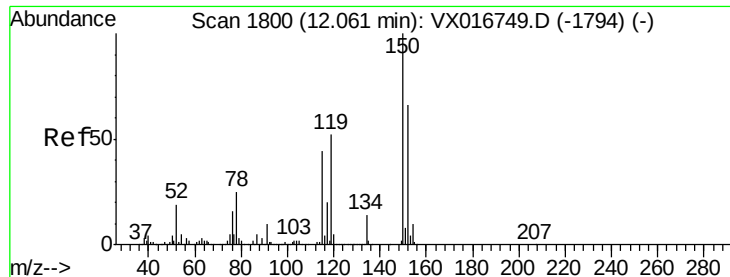
Tgt Ion	Ratio	Lower	Upper
95	100		
174	85.8	0.0	171.0
176	83.1	0.0	166.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX016760.D
Acq: 15 Jun 2020 17:40

Tgt Ion	Ratio	Lower	Upper
117	100		
82	54.4	43.8	65.6
119	32.5	26.2	39.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX016760.D

Acq: 15 Jun 2020 17:40

Instrument :

MSVOA_X

ClientSampleId :

Z1-TB9-200611

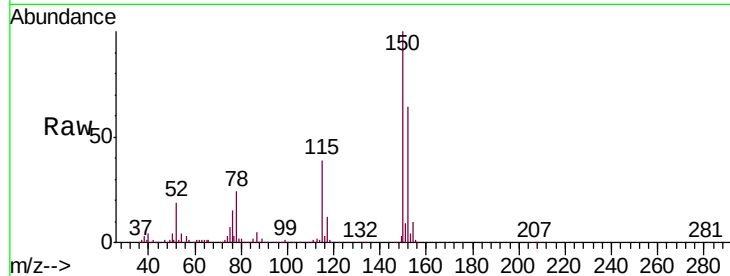
Tgt Ion: 152 Resp: 201106

Ion Ratio Lower Upper

152 100

115 58.4 40.3 120.8

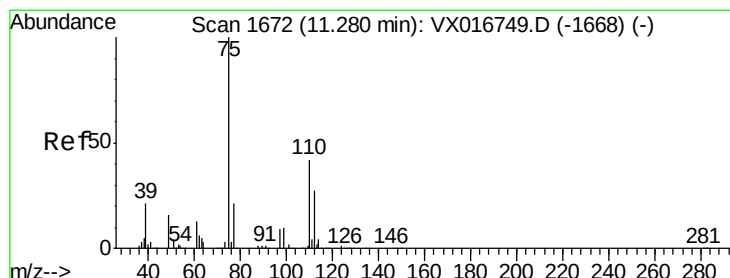
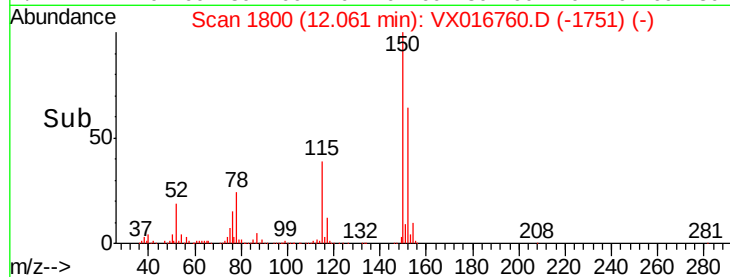
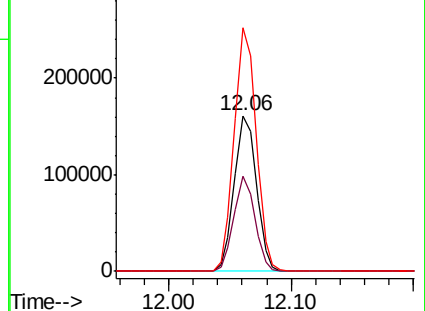
150 155.1 0.0 337.4



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: 21.763 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016760.D

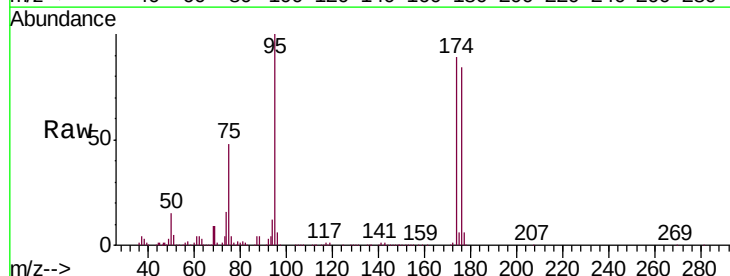
Acq: 15 Jun 2020 17:40

Tgt Ion: 75 Resp: 92039

Ion Ratio Lower Upper

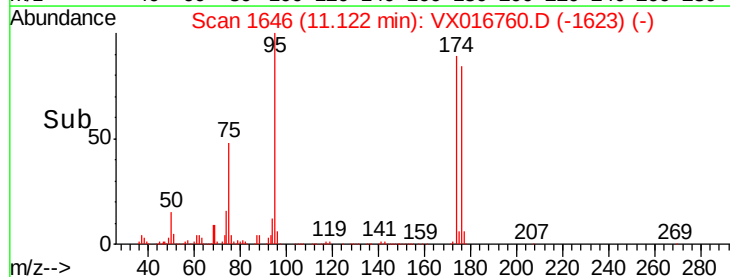
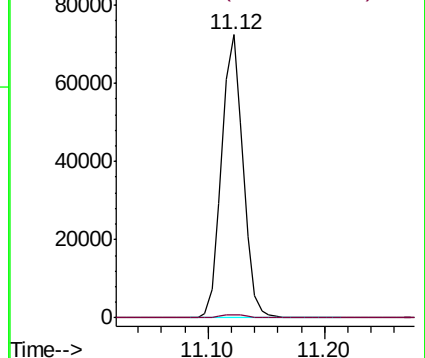
75 100

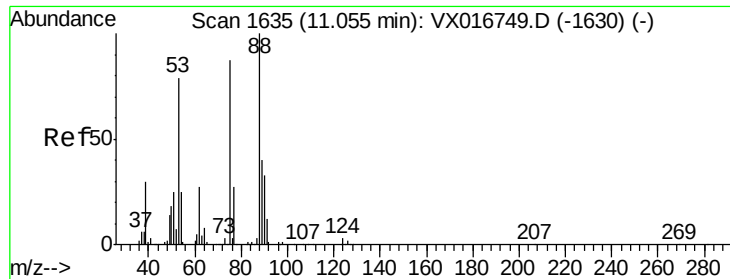
77 1.4 20.3 60.9#



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: 54.787 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX016760.D

Acq: 15 Jun 2020 17:40

Instrument :

MSVOA_X

ClientSampleId :

Z1-TB9-200611

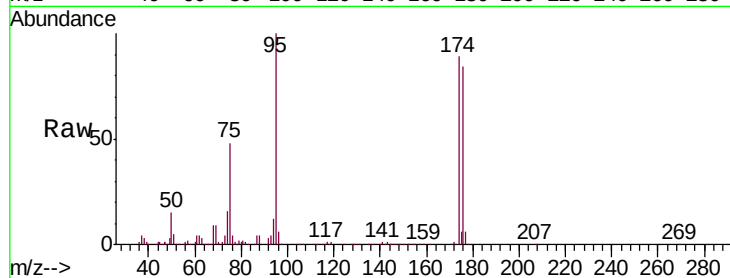
Tgt Ion: 75 Resp: 92039

Ion Ratio Lower Upper

75 100

53 0.1 71.4 107.0#

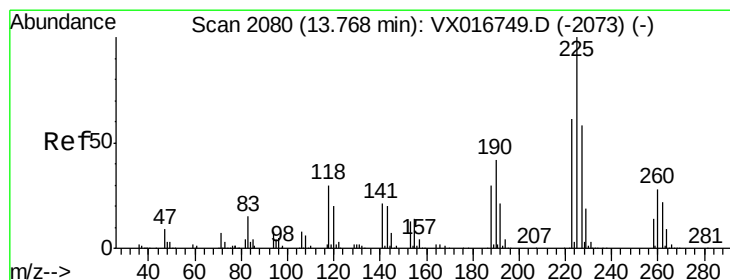
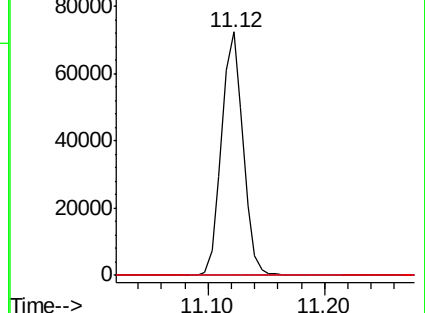
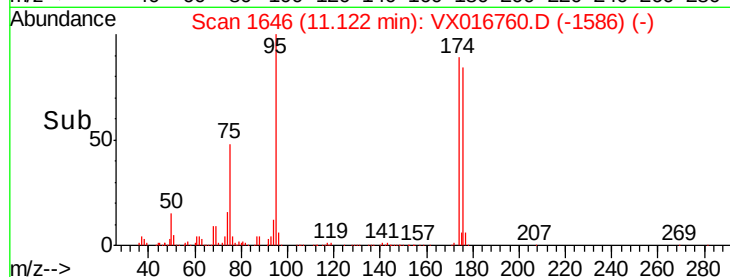
89 0.0 39.1 58.7#



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: 0.566 ug/l

RT: 13.77 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX016760.D

Acq: 15 Jun 2020 17:40

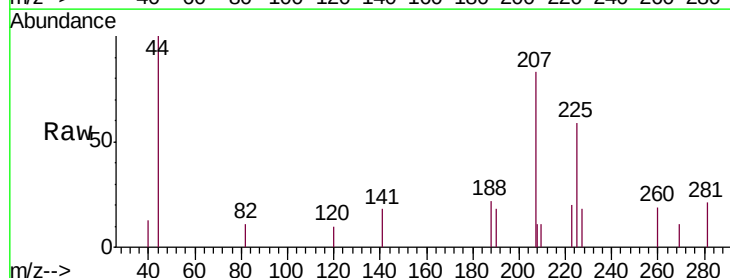
Tgt Ion: 225 Resp: 298

Ion Ratio Lower Upper

225 100

223 38.6 31.1 93.5

227 58.1 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

