

Data File : VX016762.D
Acq On : 15 Jun 2020 18:26
Operator : JC/SP
Sample : L3004-06
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
Z1-DUP-0570-200611

Quant Time: Jun 16 03:11:27 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	5.64	168	234100	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	368952	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	369975	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	189725	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	134616	51.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.24%	
35) Dibromofluoromethane	5.47	113	112053	49.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.44%	
50) Toluene-d8	8.70	98	445931	53.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.26%	
62) 4-Bromofluorobenzene	11.12	95	179394	55.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.76%	

Target Compounds

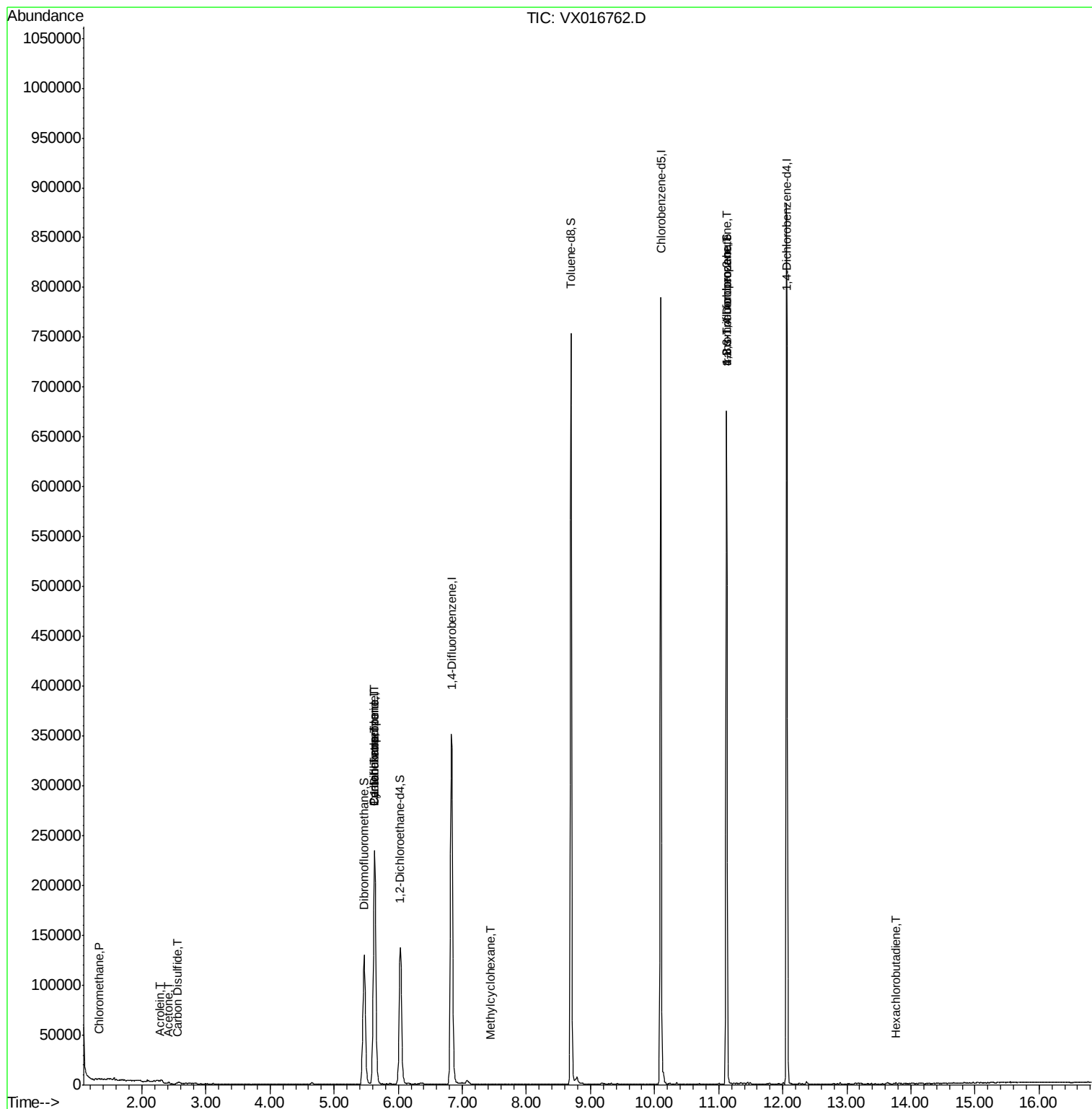
						Qvalue
3) Chloromethane	1.32	50	637	0.249	ug/l	97
13) Acrolein	2.28	56	357	3.562	ug/l #	27
16) Acetone	2.42	43	1755	1.469	ug/l	96
17) Carbon Disulfide	2.56	76	2746	0.419	ug/l #	79
31) Cyclohexane	5.63	56	4132	1.898	ug/l #	4
36) 1,1-Dichloropropene	5.63	75	15586	4.780	ug/l #	50
38) Carbon Tetrachloride	5.63	117	21859	5.903	ug/l #	16
39) Methylcyclohexane	7.44	83	82	0.974	ug/l #	18
76) 1,2,3-Trichloropropane	11.12	75	87957	22.045	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	87957	55.498	ug/l #	13
94) Hexachlorobutadiene	13.77	225	198	0.521	ug/l	96

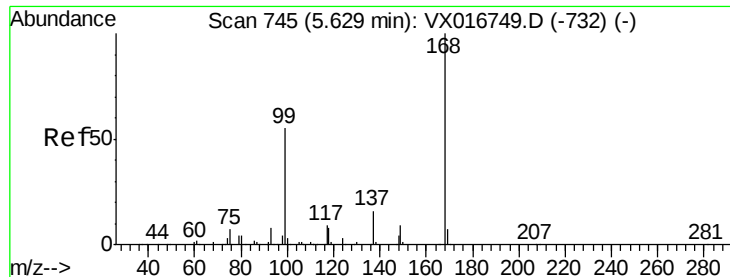
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. 0.01 min

Lab File: VX016762.D

Acq: 15 Jun 2020 18:26

Instrument :

MSVOA_X

ClientSampleId :

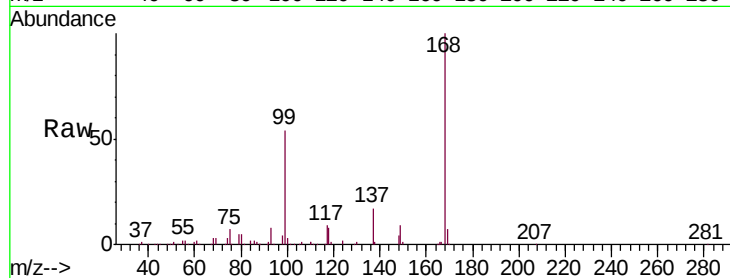
Z1-DUP-0570-200611

Tgt Ion:168 Resp: 234100

Ion Ratio Lower Upper

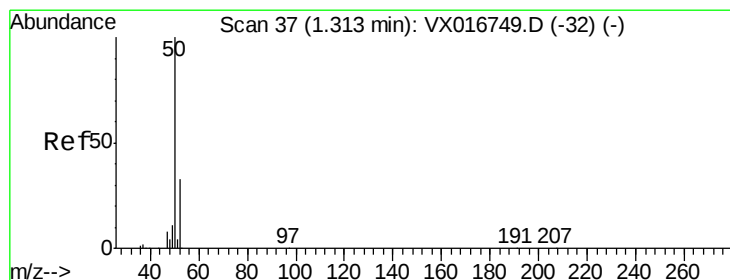
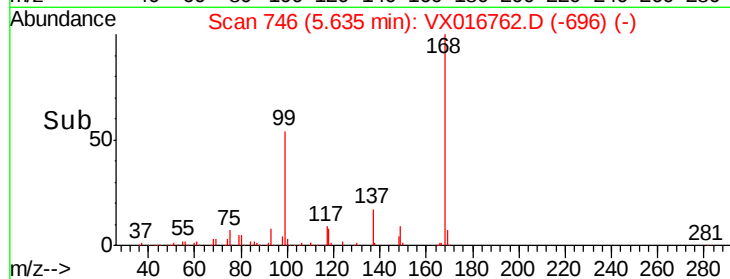
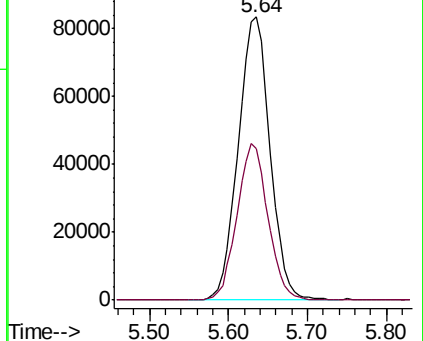
168 100

99 53.6 43.8 65.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.249 ug/l

RT: 1.32 min Scan# 38

Delta R.T. 0.01 min

Lab File: VX016762.D

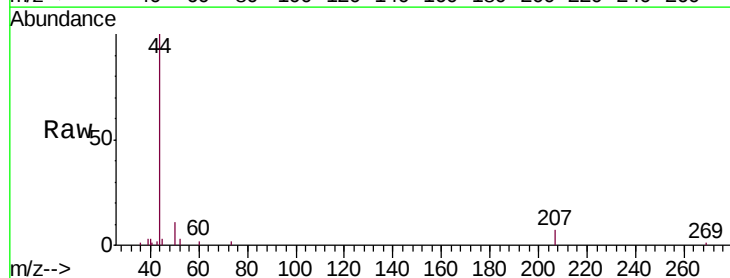
Acq: 15 Jun 2020 18:26

Tgt Ion: 50 Resp: 637

Ion Ratio Lower Upper

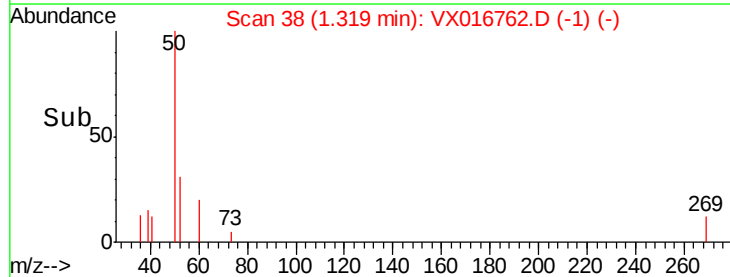
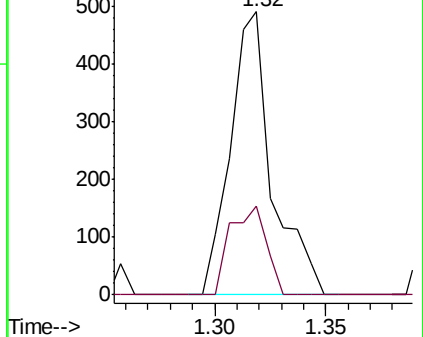
50 100

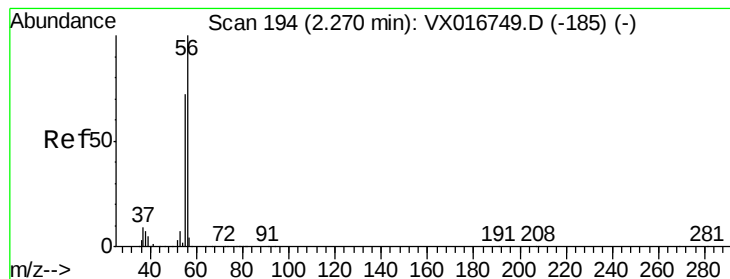
52 31.4 26.5 39.7



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#13

Acrolein

Concen: 3.562 ug/l

RT: 2.28 min Scan# 195

Delta R.T. 0.01 min

Lab File: VX016762.D

Acq: 15 Jun 2020 18:26

Instrument :

MSVOA_X

ClientSampleId :

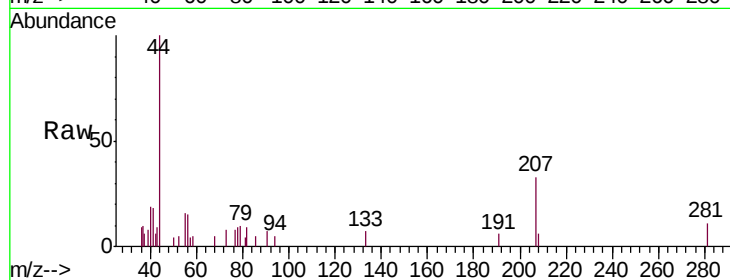
Z1-DUP-0570-200611

Tgt Ion: 56 Resp: 357

Ion Ratio Lower Upper

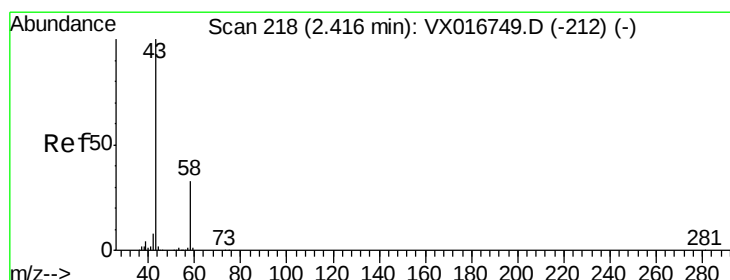
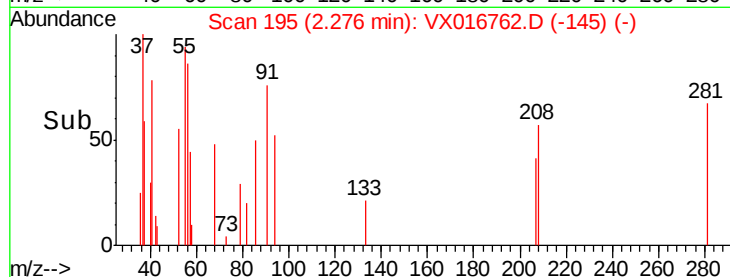
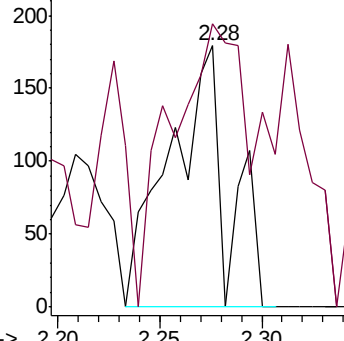
56 100

55 133.6 58.2 87.4#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 1.469 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.00 min

Lab File: VX016762.D

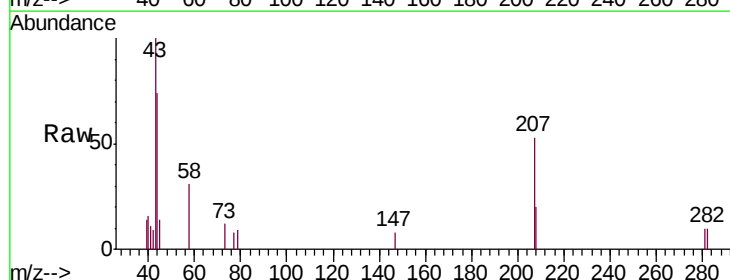
Acq: 15 Jun 2020 18:26

Tgt Ion: 43 Resp: 1755

Ion Ratio Lower Upper

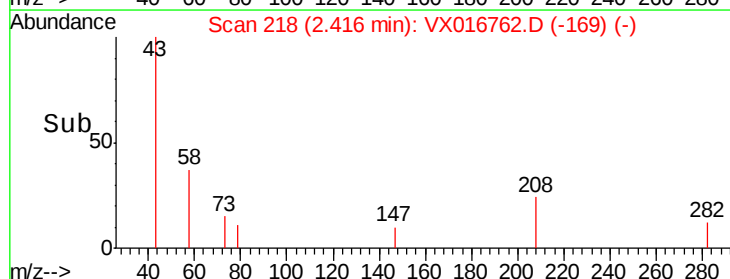
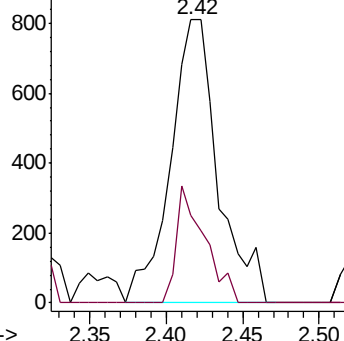
43 100

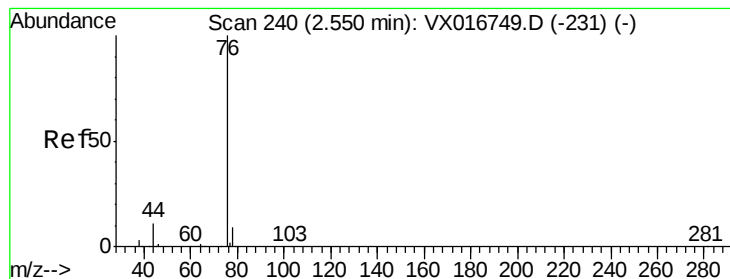
58 30.9 26.3 39.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 0.419 ug/l

RT: 2.56 min Scan# 241

Delta R.T. 0.01 min

Lab File: VX016762.D

Acq: 15 Jun 2020 18:26

Instrument :

MSVOA_X

ClientSampleId :

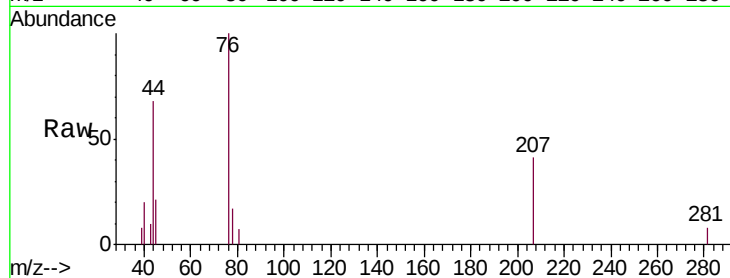
Z1-DUP-0570-200611

Tgt Ion: 76 Resp: 2746

Ion Ratio Lower Upper

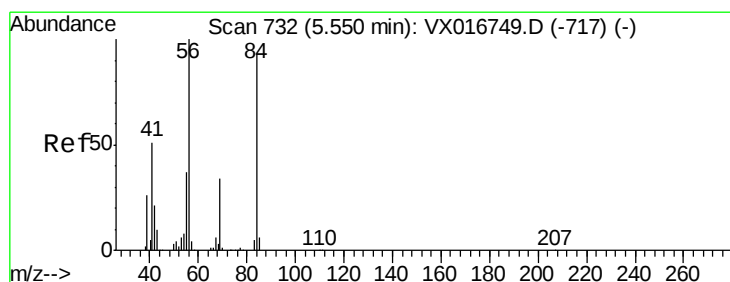
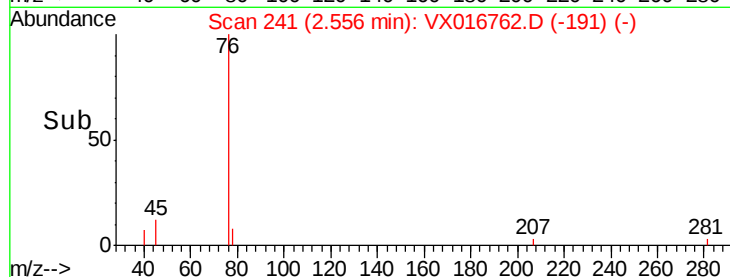
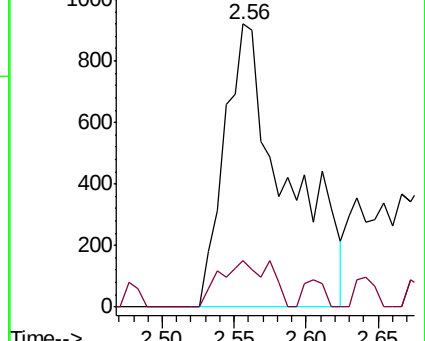
76 100

78 16.6 7.3 10.9#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#31

Cyclohexane

Concen: 1.898 ug/l

RT: 5.63 min Scan# 745

Delta R.T. 0.08 min

Lab File: VX016762.D

Acq: 15 Jun 2020 18:26

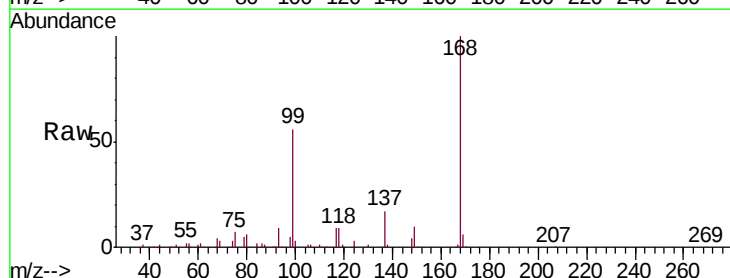
Tgt Ion: 56 Resp: 4132

Ion Ratio Lower Upper

56 100

69 186.4 27.1 40.7#

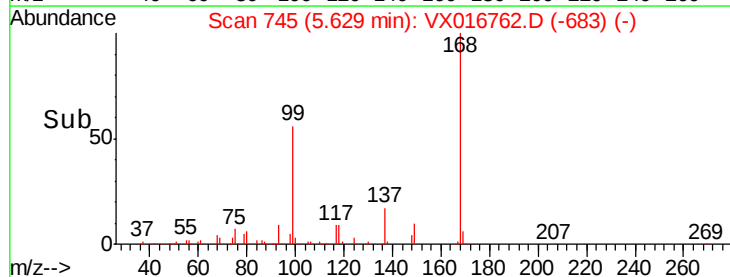
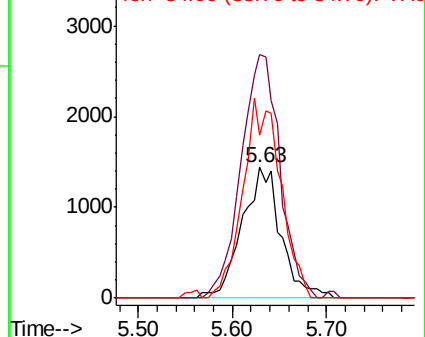
84 125.0 74.0 111.0#

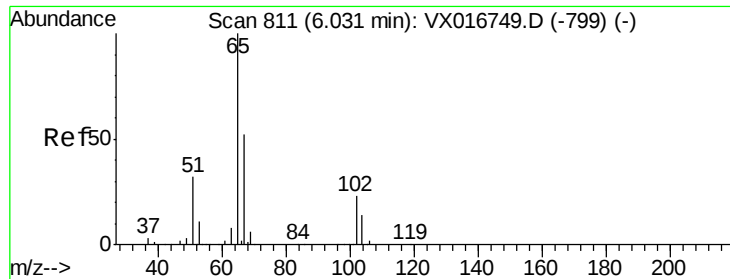


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 51.124 ug/l

RT: 6.03 min Scan# 811

Delta R.T. 0.00 min

Lab File: VX016762.D

Acq: 15 Jun 2020 18:26

Instrument :

MSVOA_X

ClientSampleId :

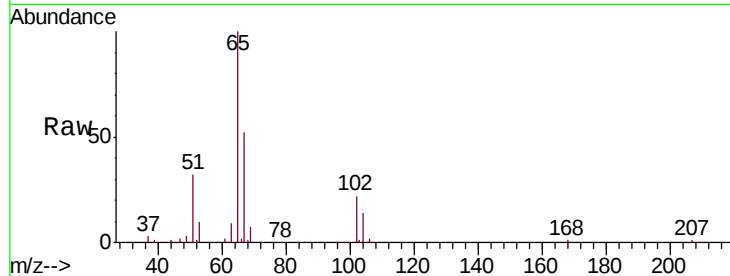
Z1-DUP-0570-200611

Tgt Ion: 65 Resp: 134616

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

60000

50000

40000

30000

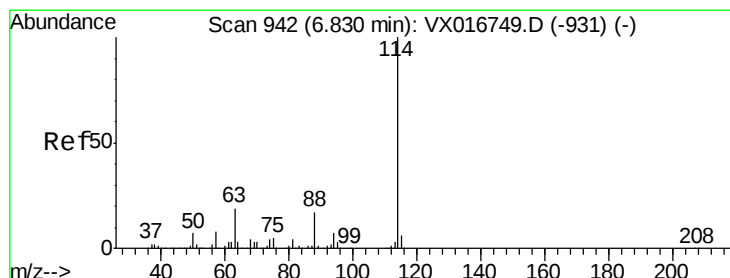
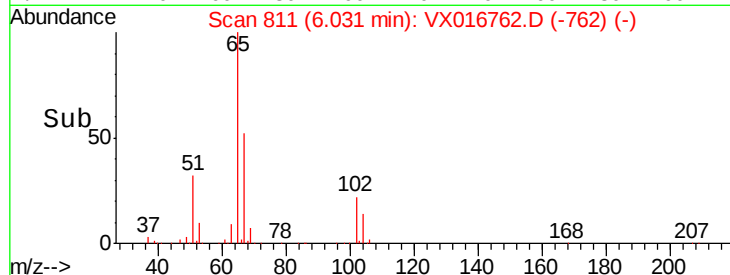
20000

10000

0

Time--> 5.90 6.00 6.10

6.03



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.00 min

Lab File: VX016762.D

Acq: 15 Jun 2020 18:26

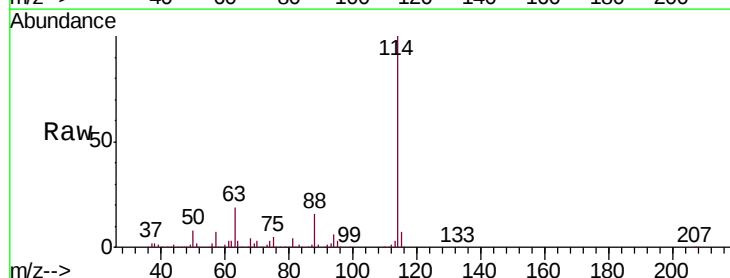
Tgt Ion: 114 Resp: 368952

Ion Ratio Lower Upper

114 100

63 19.1 0.0 38.8

88 15.6 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

200000

150000

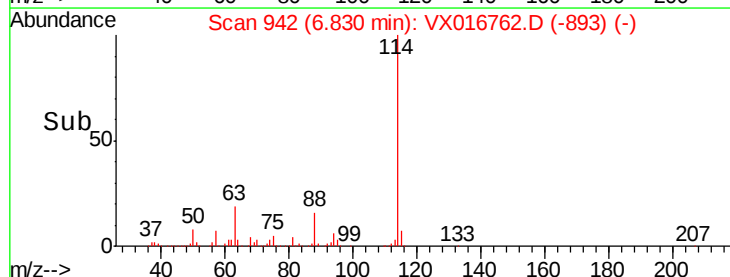
100000

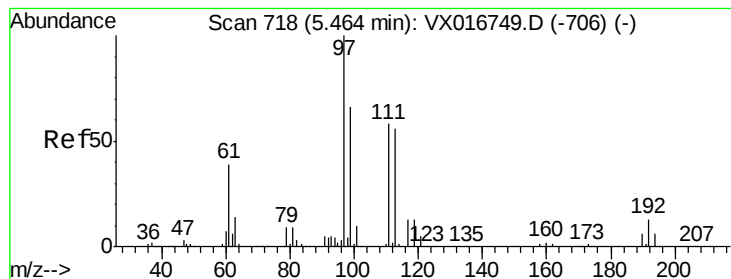
50000

0

Time--> 6.70 6.80 6.90 7.00

6.83





#35

Dibromofluoromethane

Concen: 49.224 ug/l

RT: 5.47 min Scan# 719

Delta R.T. 0.01 min

Lab File: VX016762.D

Acq: 15 Jun 2020 18:26

Instrument :

MSVOA_X

ClientSampleId :

Z1-DUP-0570-200611

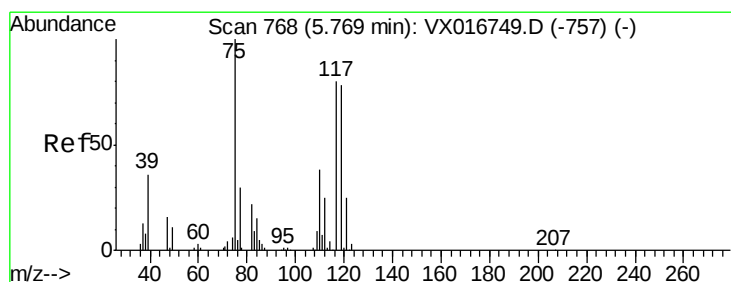
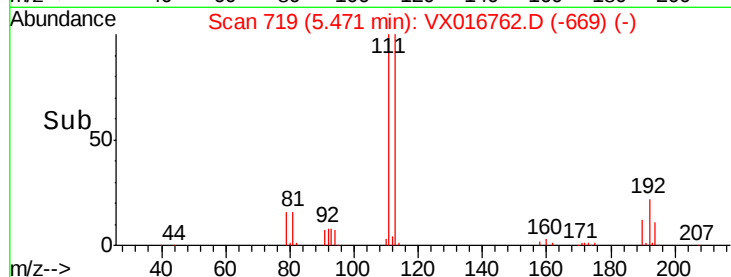
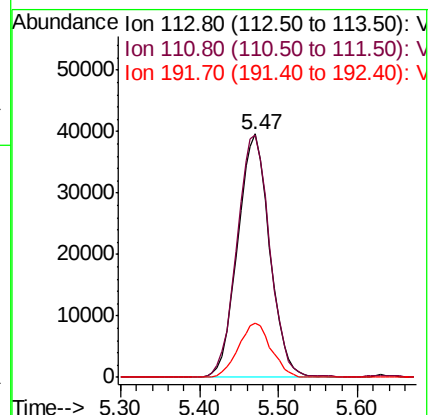
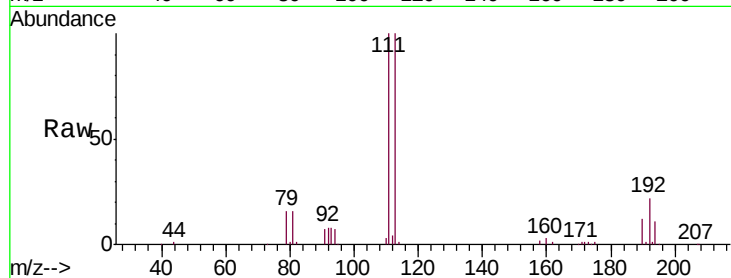
Tgt Ion:113 Resp: 112053

Ion Ratio Lower Upper

113 100

111 101.8 81.8 122.6

192 22.7 18.2 27.4



#36

1,1-Dichloropropene

Concen: 4.780 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX016762.D

Acq: 15 Jun 2020 18:26

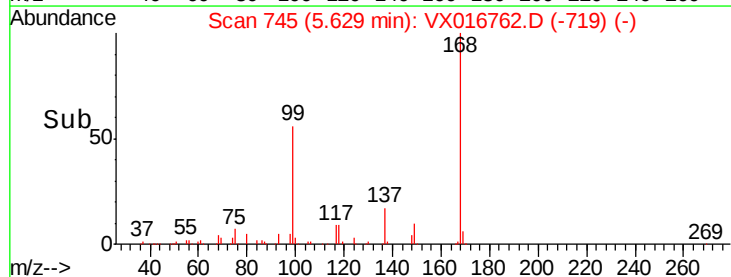
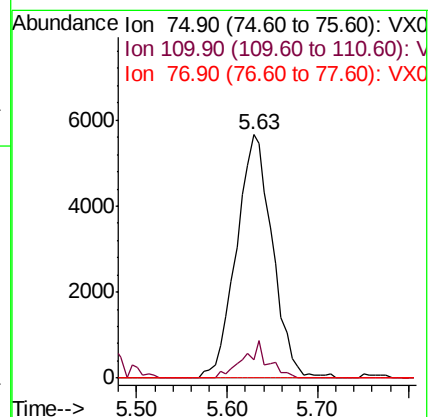
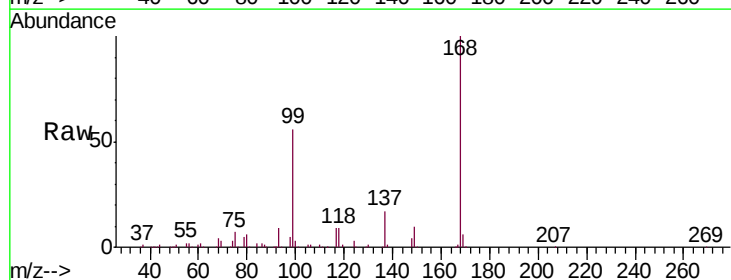
Tgt Ion: 75 Resp: 15586

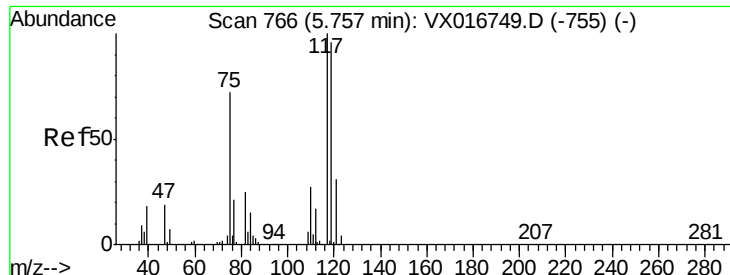
Ion Ratio Lower Upper

75 100

110 10.5 18.4 55.2#

77 0.0 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 5.903 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.13 min

Lab File: VX016762.D

Acq: 15 Jun 2020 18:26

Instrument :

MSVOA_X

ClientSampleId :

Z1-DUP-0570-200611

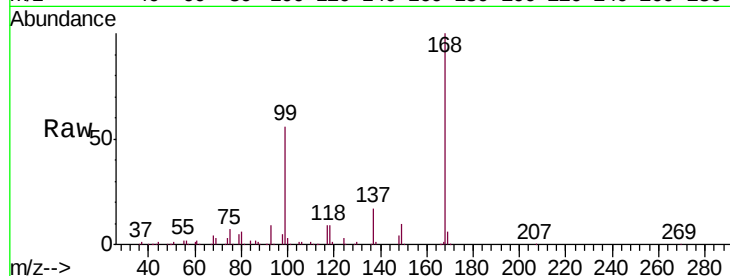
Tgt Ion: 117 Resp: 21859

Ion Ratio Lower Upper

117 100

119 5.7 76.7 115.1#

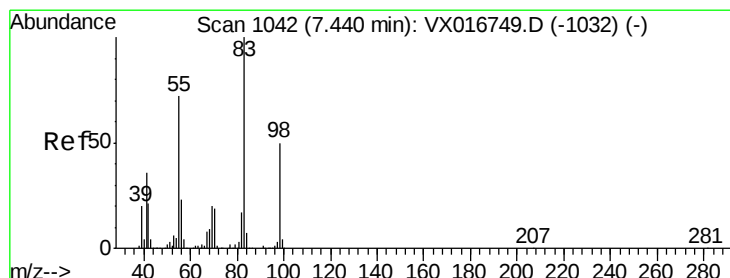
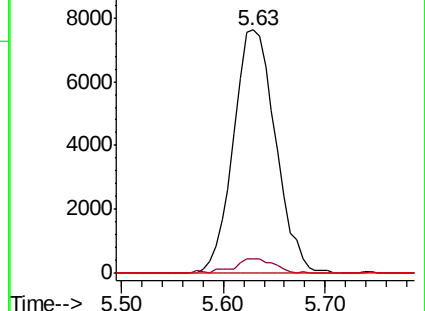
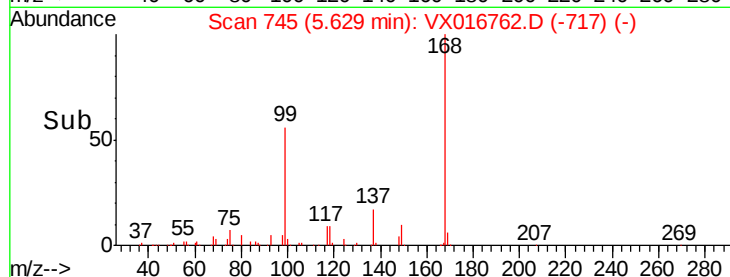
121 0.0 24.7 37.1#



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: 0.974 ug/l

RT: 7.44 min Scan# 1042

Delta R.T. 0.00 min

Lab File: VX016762.D

Acq: 15 Jun 2020 18:26

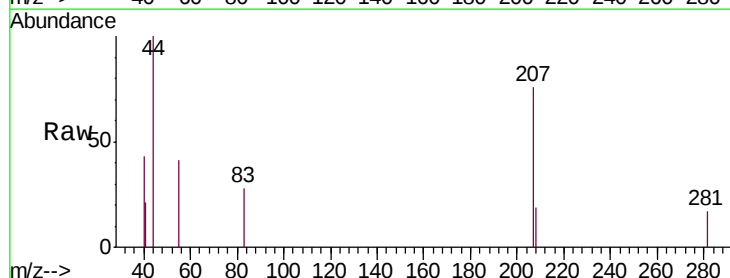
Tgt Ion: 83 Resp: 82

Ion Ratio Lower Upper

83 100

55 144.9 57.3 85.9#

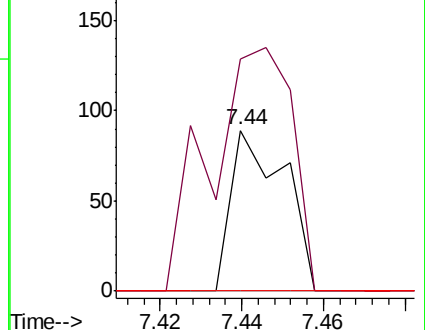
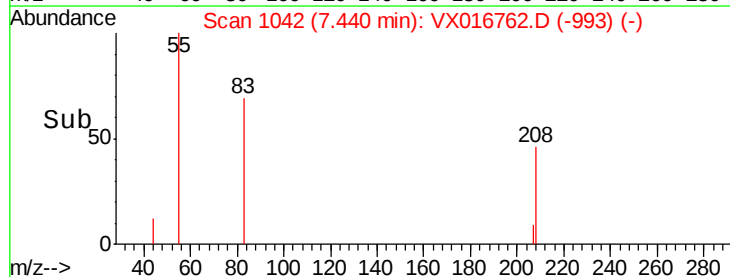
98 0.0 40.3 60.5#

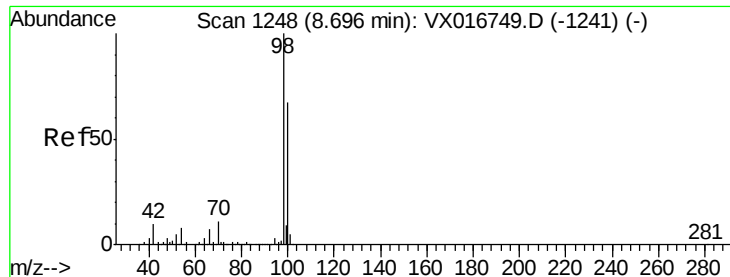


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#50

Toluene-d8

Concen: 53.128 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX016762.D

Acq: 15 Jun 2020 18:26

Instrument :

MSVOA_X

ClientSampleId :

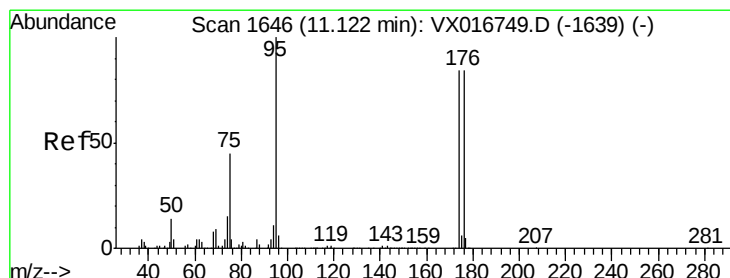
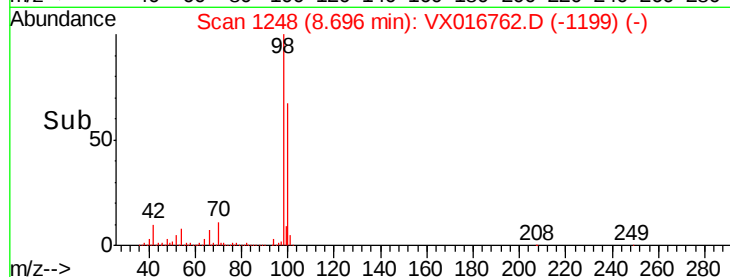
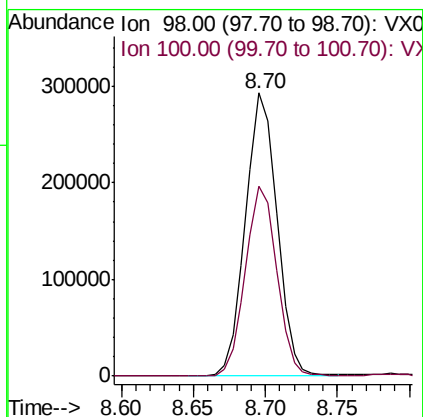
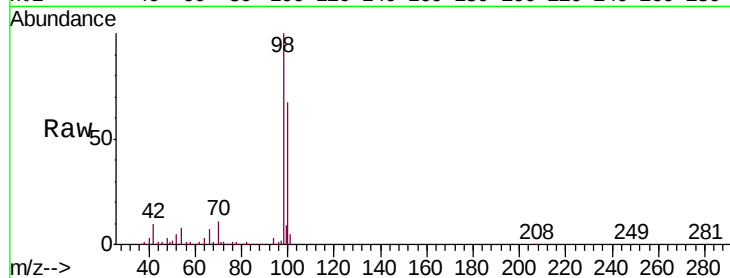
Z1-DUP-0570-200611

Tgt Ion: 98 Resp: 445931

Ion Ratio Lower Upper

98 100

100 66.9 53.9 80.9



#62

4-Bromofluorobenzene

Concen: 55.876 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016762.D

Acq: 15 Jun 2020 18:26

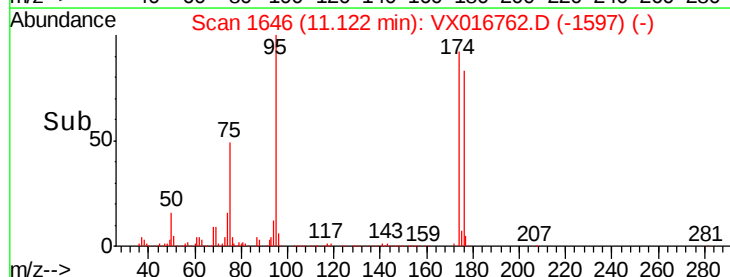
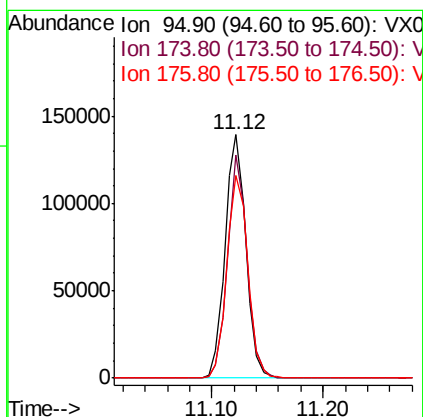
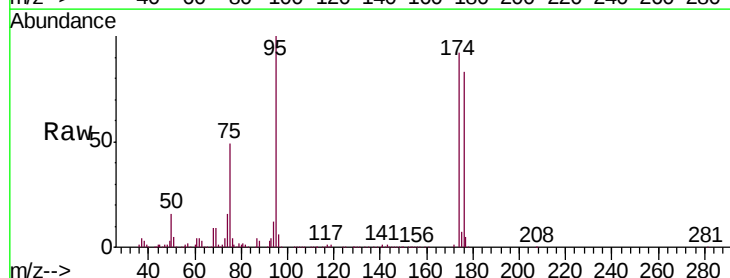
Tgt Ion: 95 Resp: 179394

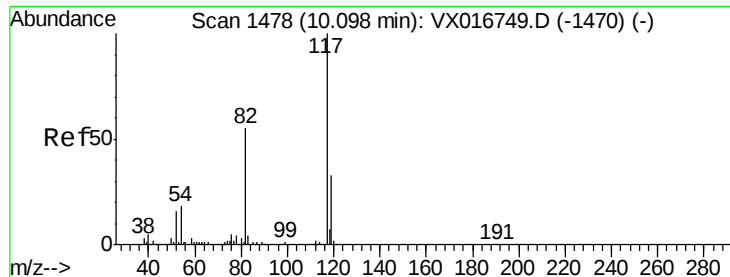
Ion Ratio Lower Upper

95 100

174 86.4 0.0 171.0

176 84.1 0.0 166.2

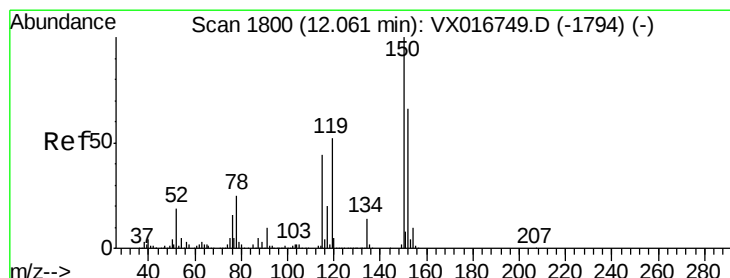
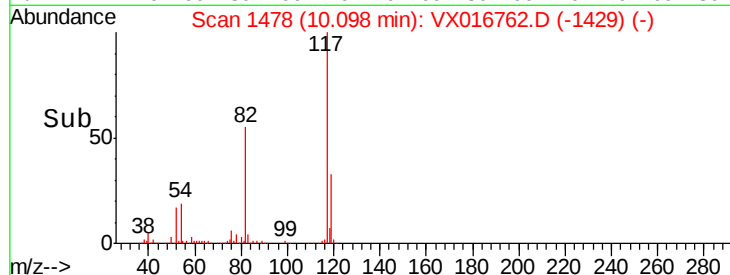
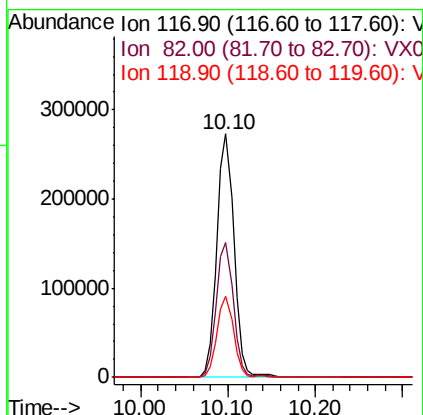
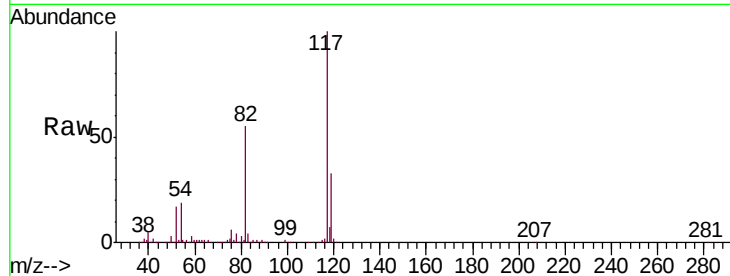




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX016762.D
Acq: 15 Jun 2020 18:26

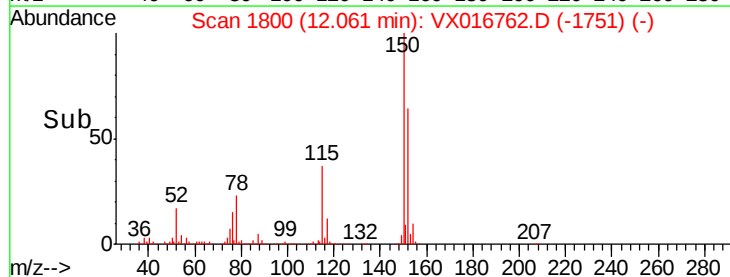
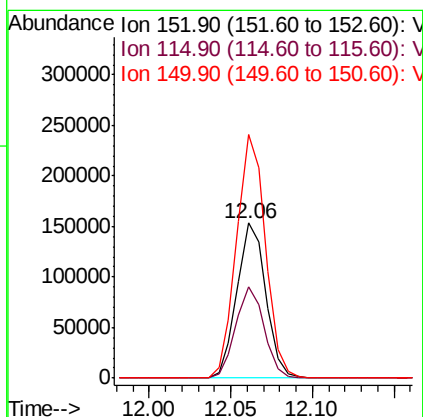
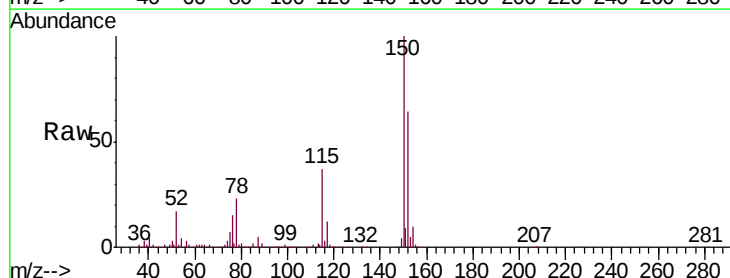
Instrument :
MSVOA_X
ClientSampleId :
Z1-DUP-0570-200611

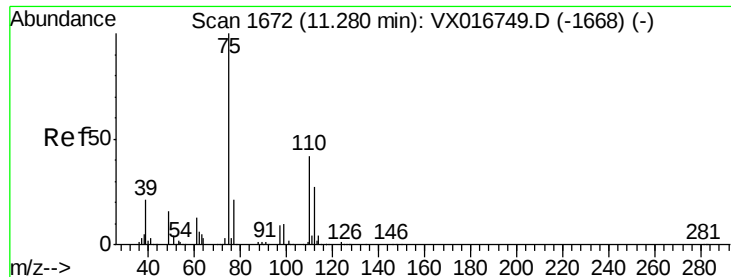
Tgt Ion:117 Resp: 369975
Ion Ratio Lower Upper
117 100
82 55.2 43.8 65.6
119 33.2 26.2 39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX016762.D
Acq: 15 Jun 2020 18:26

Tgt Ion:152 Resp: 189725
Ion Ratio Lower Upper
152 100
115 57.7 40.3 120.8
150 157.6 0.0 337.4





#76

1,2,3-Trichloropropane

Concen: 22.045 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016762.D

Acq: 15 Jun 2020 18:26

Instrument :

MSVOA_X

ClientSampleId :

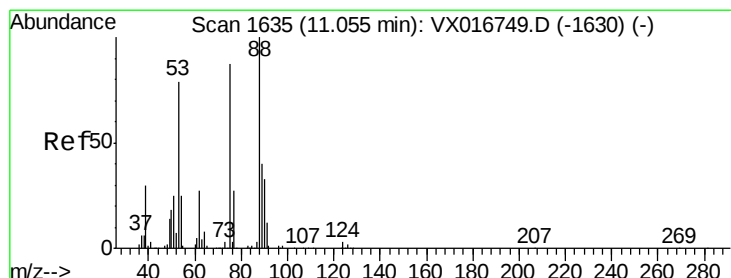
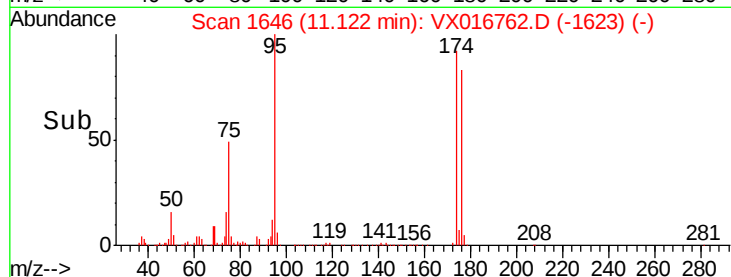
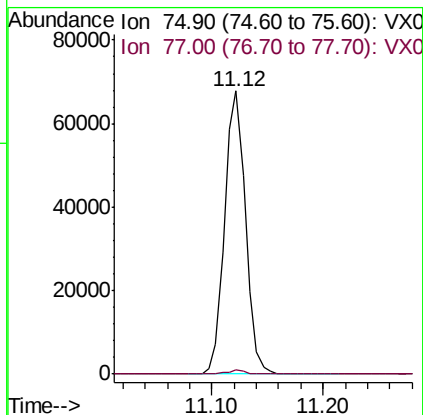
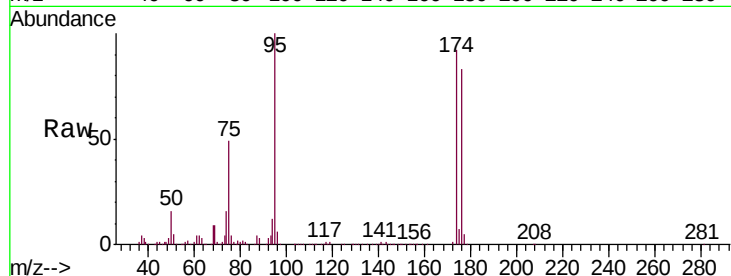
Z1-DUP-0570-200611

Tgt Ion: 75 Resp: 87957

Ion Ratio Lower Upper

75 100

77 1.3 20.3 60.9#



#81

trans-1,4-Dichloro-2-butene

Concen: 55.498 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX016762.D

Acq: 15 Jun 2020 18:26

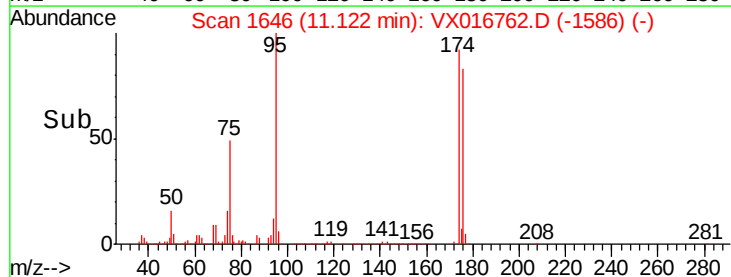
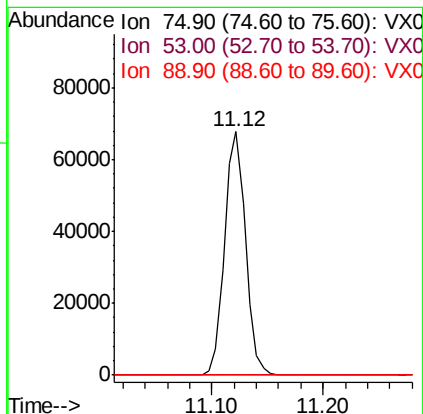
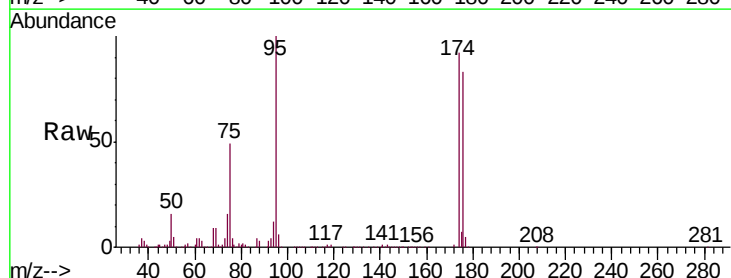
Tgt Ion: 75 Resp: 87957

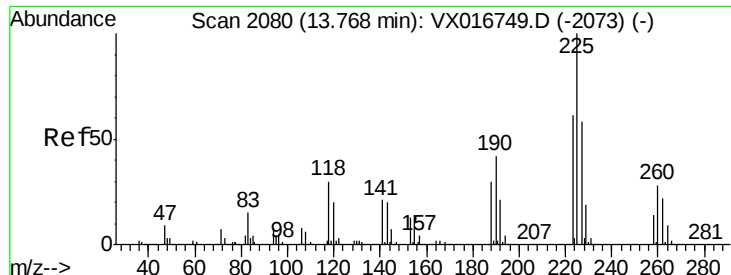
Ion Ratio Lower Upper

75 100

53 0.0 71.4 107.0#

89 0.0 39.1 58.7#





#94

Hexachlorobutadiene

Concen: 0.521 ug/l

RT: 13.77 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX016762.D

Acq: 15 Jun 2020 18:26

Instrument :

MSVOA_X

ClientSampleId :

Z1-DUP-0570-200611

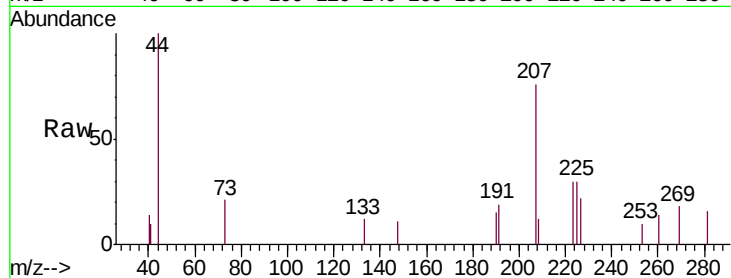
Tgt Ion: 225 Resp: 198

Ion Ratio Lower Upper

225 100

223 57.6 31.1 93.5

227 60.1 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

