

Data File : VX016764.D
Acq On : 15 Jun 2020 19:11
Operator : JC/SP
Sample : L2993-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
AOC50MW002-200610

Quant Time: Jun 16 03:11:53 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	239642	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	375704	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	390501	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	203074	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.03	65	136182	50.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.04%	
35) Dibromofluoromethane	5.47	113	116292	50.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.34%	
50) Toluene-d8	8.70	98	457285	53.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.00%	
62) 4-Bromofluorobenzene	11.12	95	189524	57.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.94%	

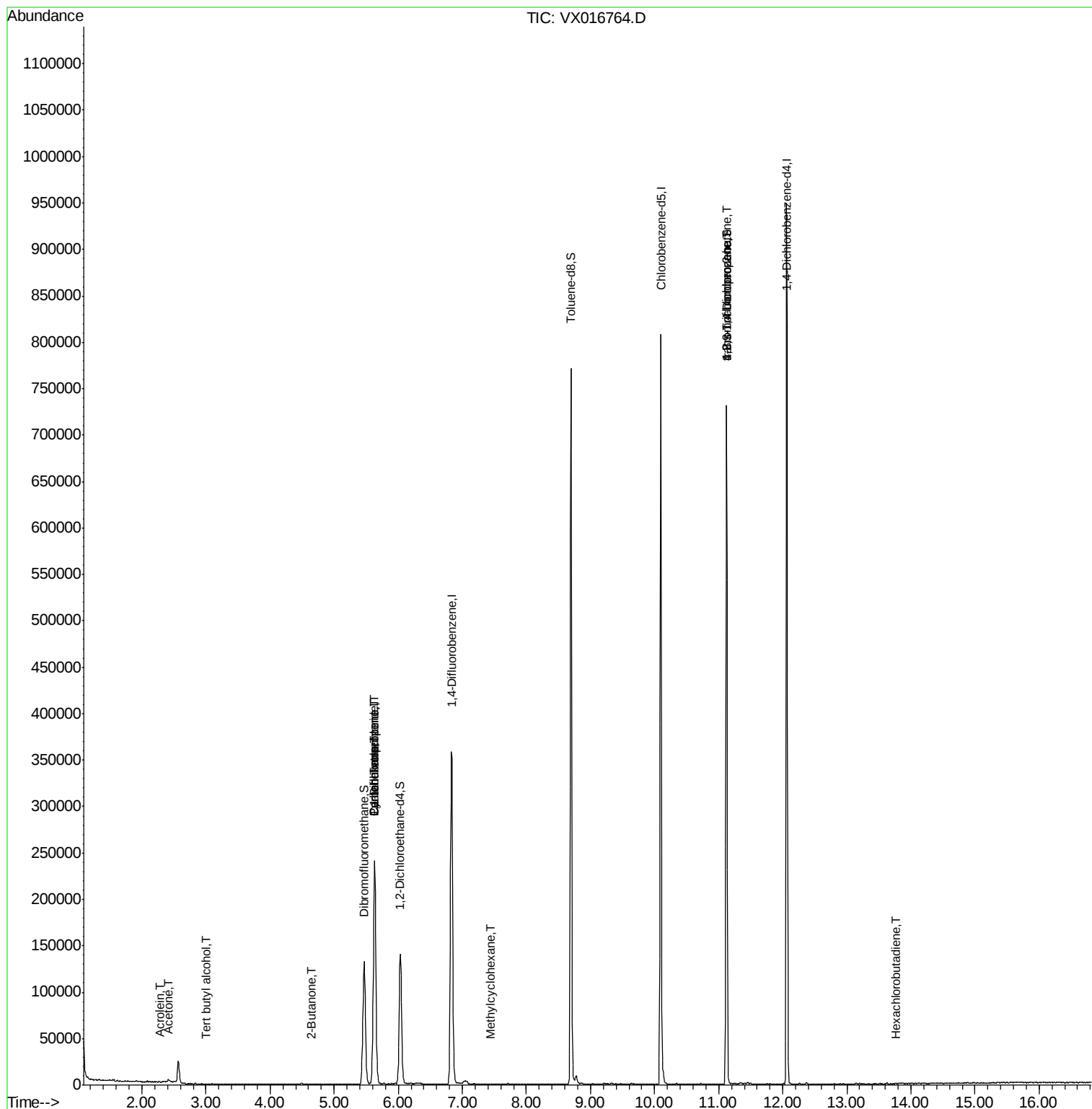
Target Compounds				Qvalue		
11) Tert butyl alcohol	3.00	59	143	0.211	ug/l #	73
13) Acrolein	2.28	56	162	2.862	ug/l #	11
16) Acetone	2.42	43	2474	2.023	ug/l	95
25) 2-Butanone	4.64	43	514	0.279	ug/l #	44
31) Cyclohexane	5.63	56	4099	1.861	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	15952	4.805	ug/l #	50
38) Carbon Tetrachloride	5.64	117	23100	6.126	ug/l #	16
39) Methylcyclohexane	7.44	83	143	0.989	ug/l #	48
76) 1,2,3-Trichloropropane	11.12	75	92605	21.685	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	92605	54.590	ug/l #	13
94) Hexachlorobutadiene	13.76	225	150	0.489	ug/l #	50

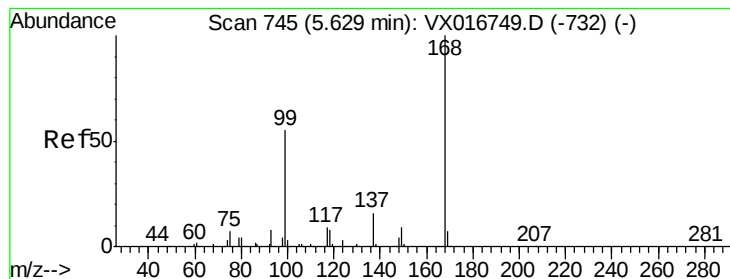
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX016764.D

Acq: 15 Jun 2020 19:11

Instrument :

MSVOA_X

ClientSampleId :

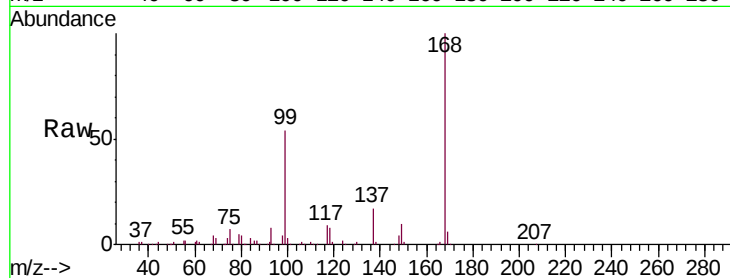
AOC50MW002-200610

Tgt Ion:168 Resp: 239642

Ion Ratio Lower Upper

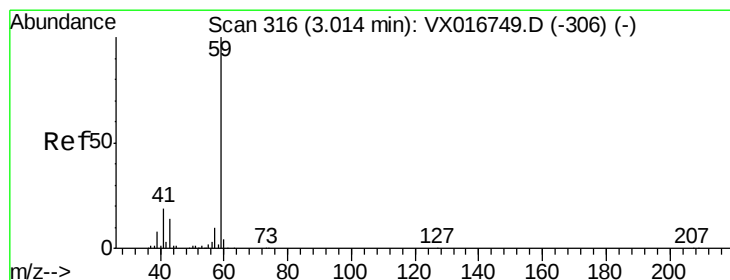
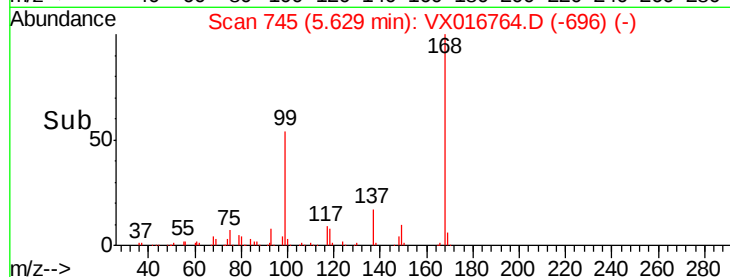
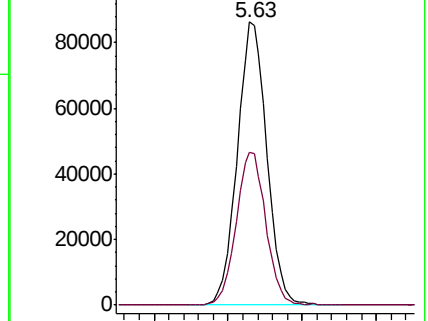
168 100

99 53.8 43.8 65.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#11

Tert butyl alcohol

Concen: 0.211 ug/l

RT: 3.00 min Scan# 313

Delta R.T. -0.02 min

Lab File: VX016764.D

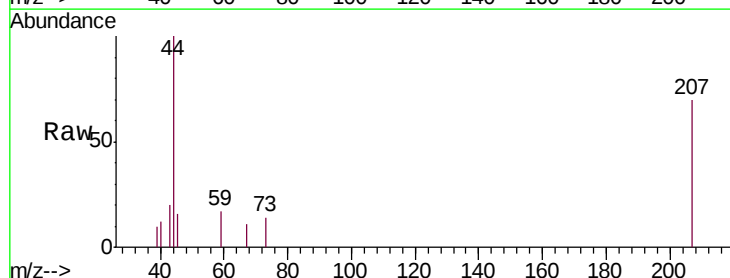
Acq: 15 Jun 2020 19:11

Tgt Ion: 59 Resp: 143

Ion Ratio Lower Upper

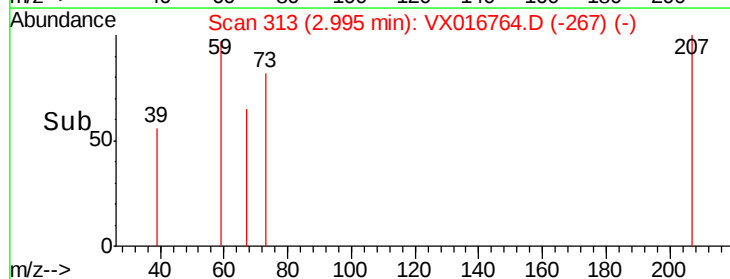
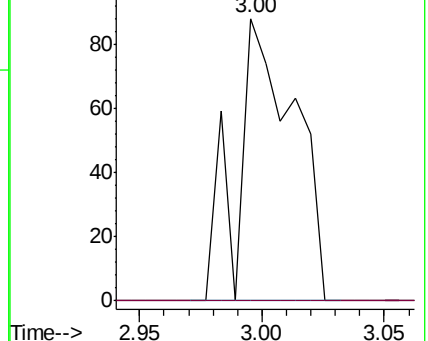
59 100

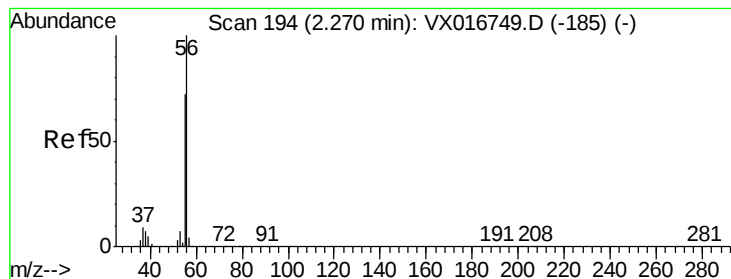
57 0.0 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 2.862 ug/l

RT: 2.28 min Scan# 196

Delta R.T. 0.01 min

Lab File: VX016764.D

Acq: 15 Jun 2020 19:11

Instrument :

MSVOA_X

ClientSampleId :

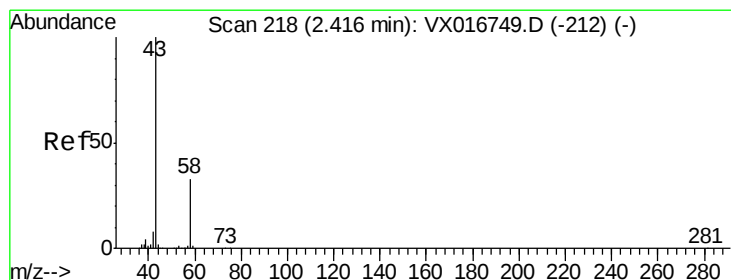
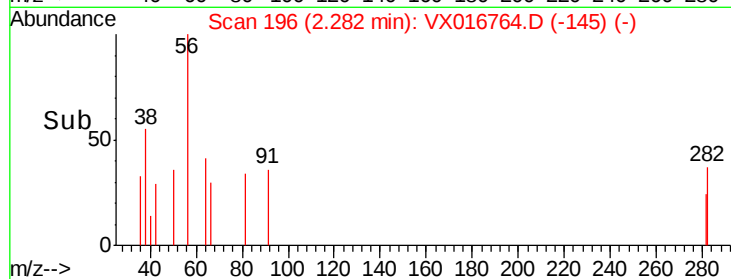
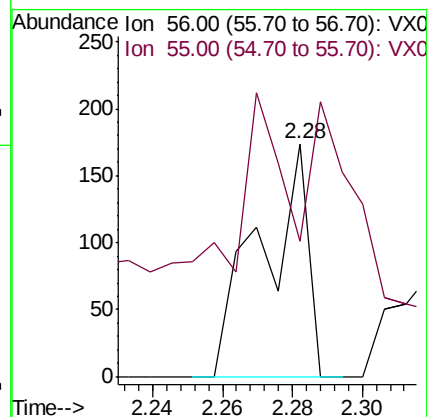
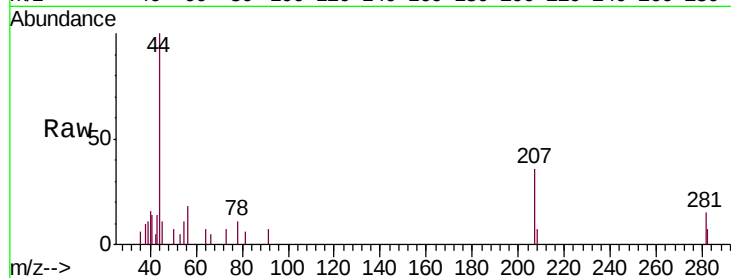
AOC50MW002-200610

Tgt Ion: 56 Resp: 162

Ion Ratio Lower Upper

56 100

55 147.5 58.2 87.4#



#16

Acetone

Concen: 2.023 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.00 min

Lab File: VX016764.D

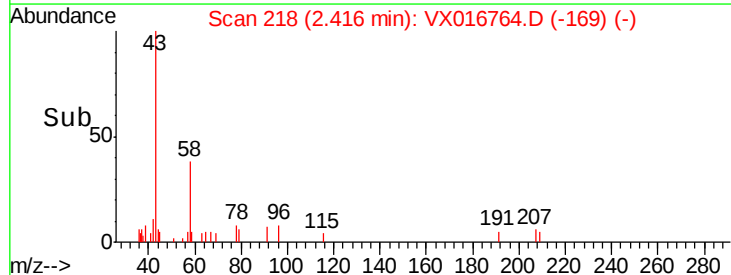
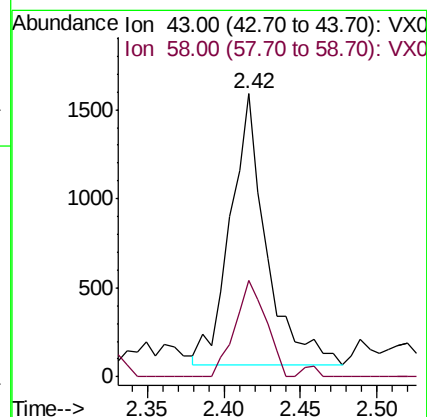
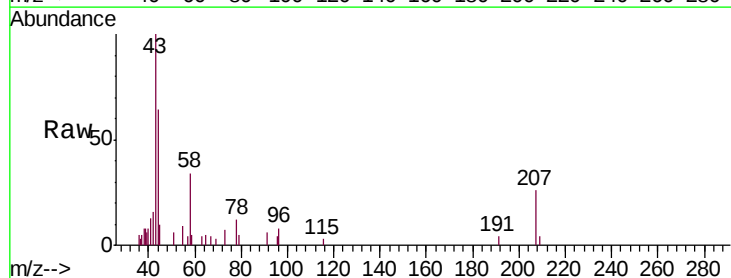
Acq: 15 Jun 2020 19:11

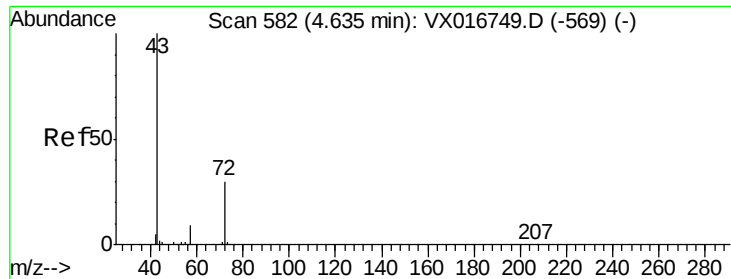
Tgt Ion: 43 Resp: 2474

Ion Ratio Lower Upper

43 100

58 35.8 26.3 39.5





#25

2-Butanone

Concen: 0.279 ug/l

RT: 4.64 min Scan# 583

Delta R.T. 0.01 min

Lab File: VX016764.D

Acq: 15 Jun 2020 19:11

Instrument :

MSVOA_X

ClientSampleId :

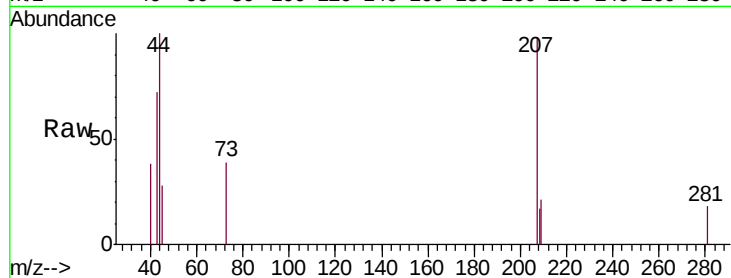
AOC50MW002-200610

Tgt Ion: 43 Resp: 514

Ion Ratio Lower Upper

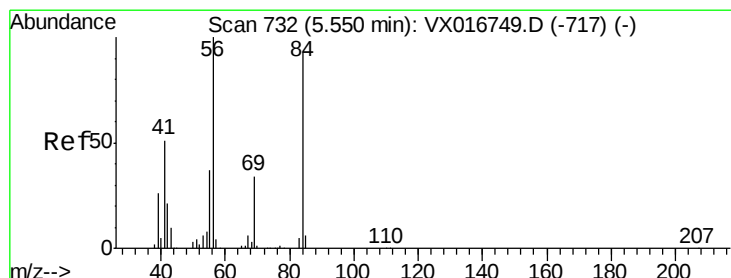
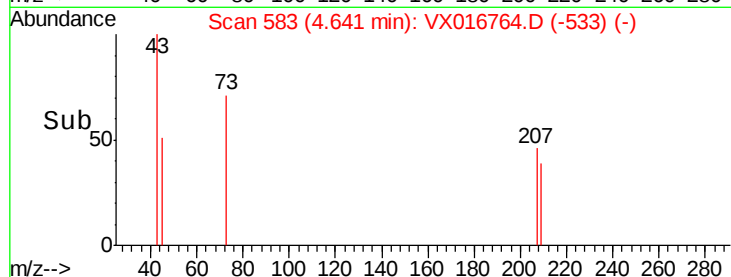
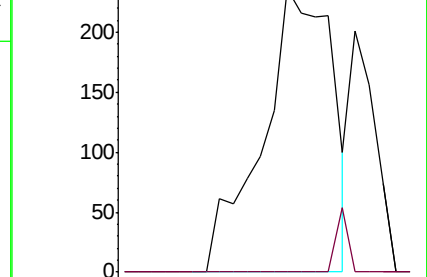
43 100

72 0.0 24.2 36.4#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#31

Cyclohexane

Concen: 1.861 ug/l

RT: 5.63 min Scan# 745

Delta R.T. 0.08 min

Lab File: VX016764.D

Acq: 15 Jun 2020 19:11

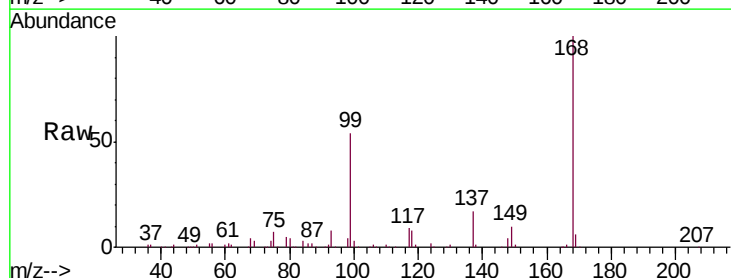
Tgt Ion: 56 Resp: 4099

Ion Ratio Lower Upper

56 100

69 175.8 27.1 40.7#

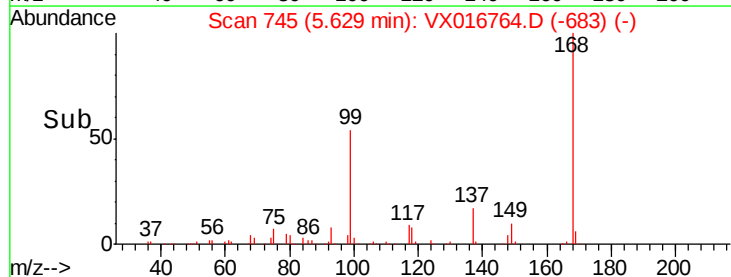
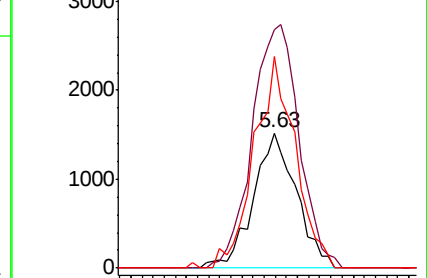
84 156.4 74.0 111.0#

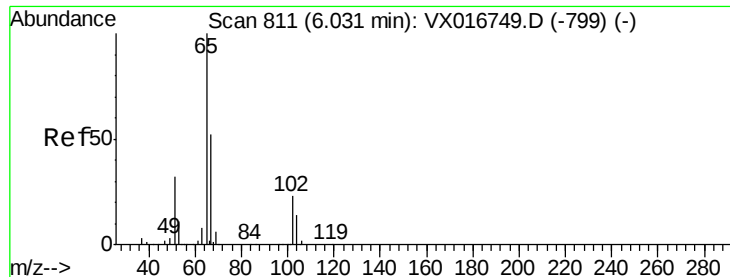


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 50.523 ug/l

RT: 6.03 min Scan# 811

Delta R.T. 0.00 min

Lab File: VX016764.D

Acq: 15 Jun 2020 19:11

Instrument :

MSVOA_X

ClientSampleId :

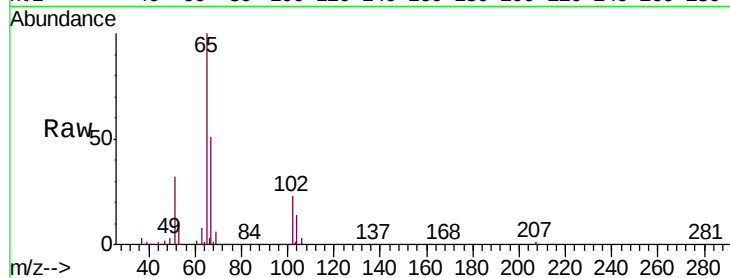
AOC50MW002-200610

Tgt Ion: 65 Resp: 136182

Ion Ratio Lower Upper

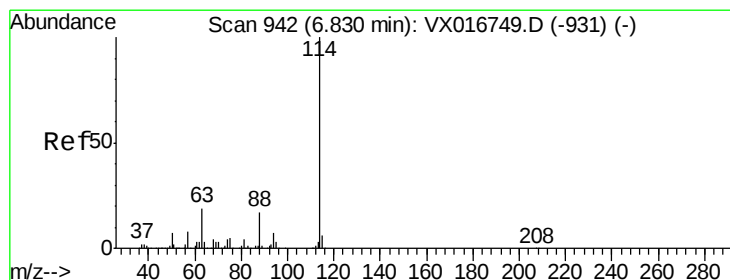
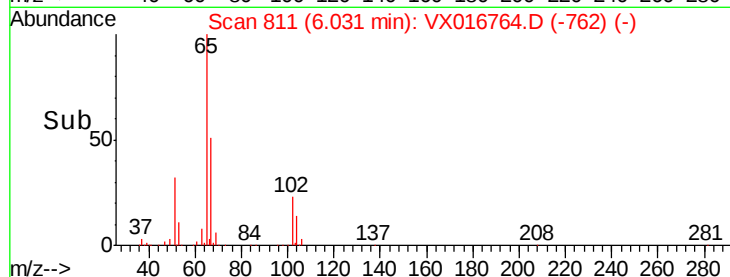
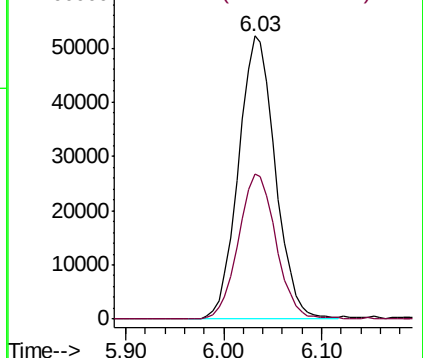
65 100

67 52.3 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: VX016764.D

Acq: 15 Jun 2020 19:11

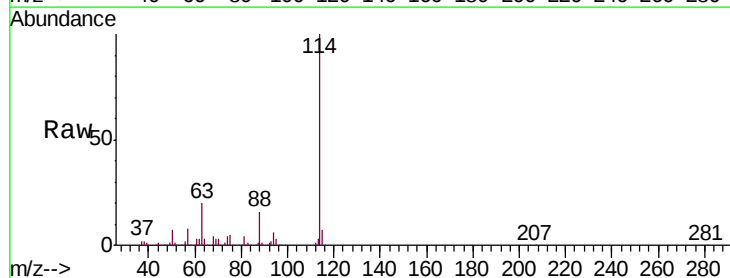
Tgt Ion: 114 Resp: 375704

Ion Ratio Lower Upper

114 100

63 19.6 0.0 38.8

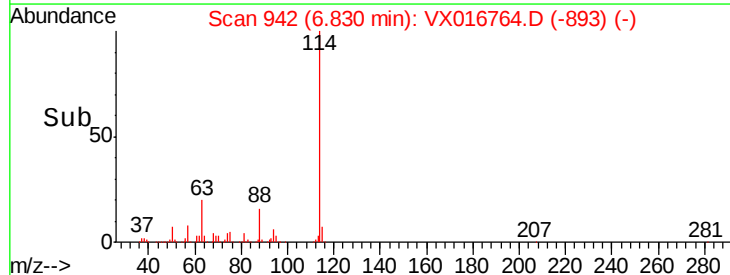
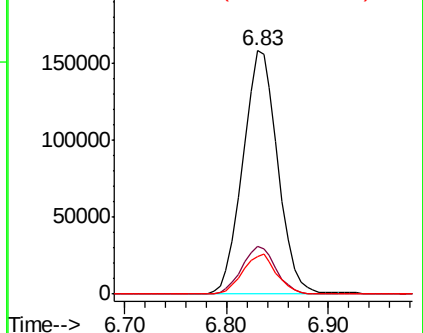
88 15.6 0.0 33.4

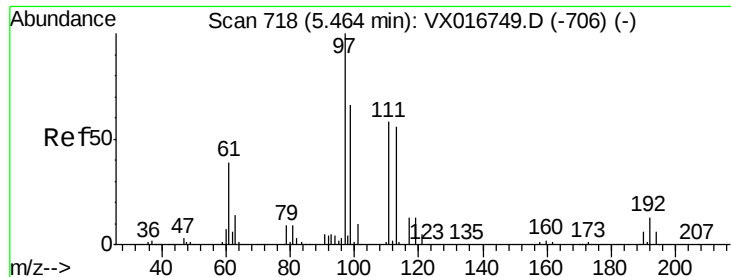


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

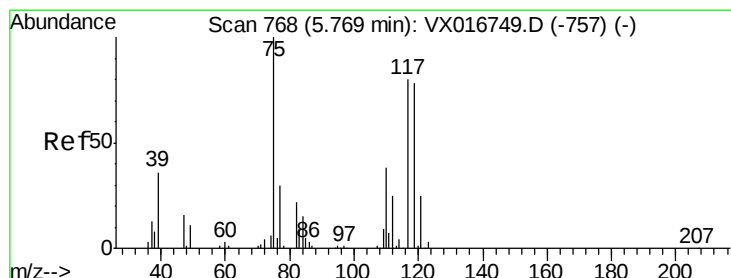
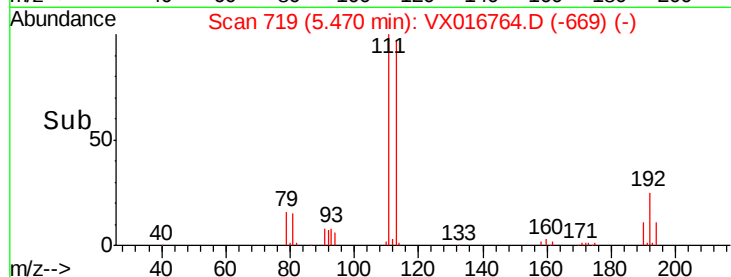
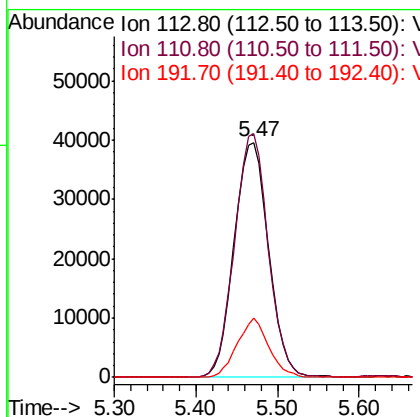
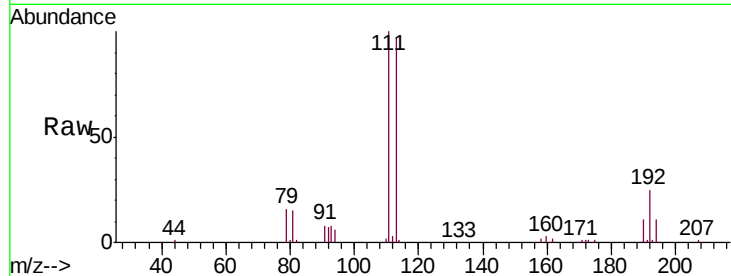




#35
 Dibromofluoromethane
 Concen: 50.168 ug/l
 RT: 5.47 min Scan# 719
 Delta R.T. 0.01 min
 Lab File: VX016764.D
 Acq: 15 Jun 2020 19:11

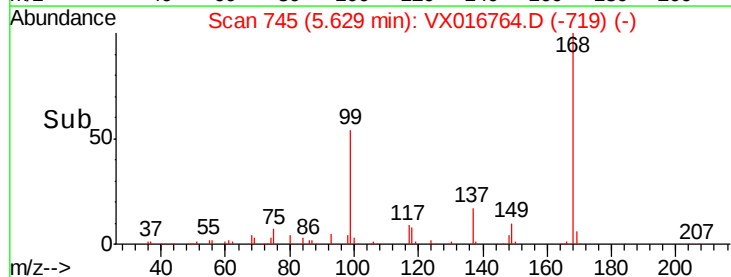
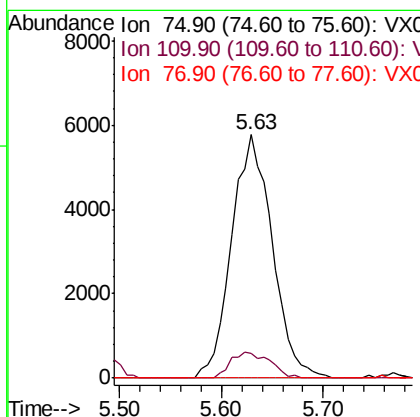
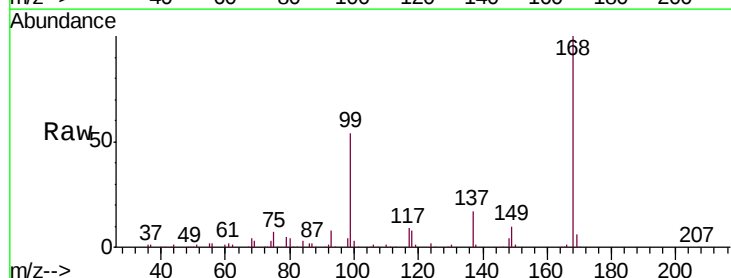
Instrument :
 MSVOA_X
 ClientSampleId :
 AOC50MW002-200610

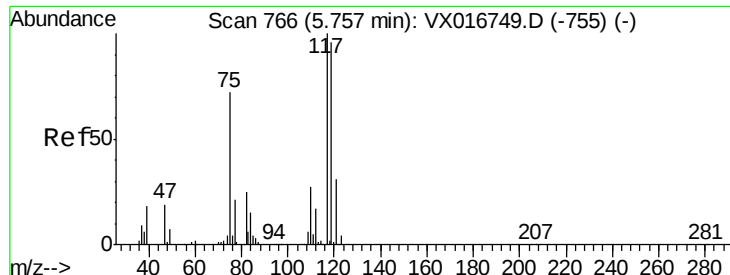
Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.2	81.8	122.6
192	23.2	18.2	27.4



#36
 1,1-Dichloropropene
 Concen: 4.805 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.14 min
 Lab File: VX016764.D
 Acq: 15 Jun 2020 19:11

Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.4	18.4	55.2#
77	0.0	24.7	37.1#





#38

Carbon Tetrachloride

Concen: 6.126 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.12 min

Lab File: VX016764.D

Acq: 15 Jun 2020 19:11

Instrument :

MSVOA_X

ClientSampleId :

AOC50MW002-200610

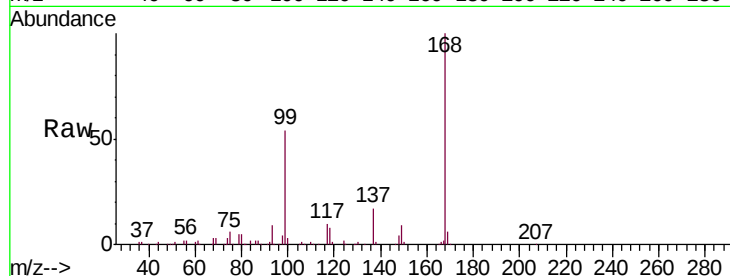
Tgt Ion:117 Resp: 23100

Ion Ratio Lower Upper

117 100

119 5.3 76.7 115.1#

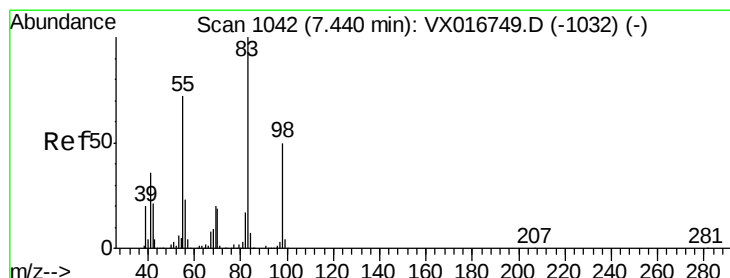
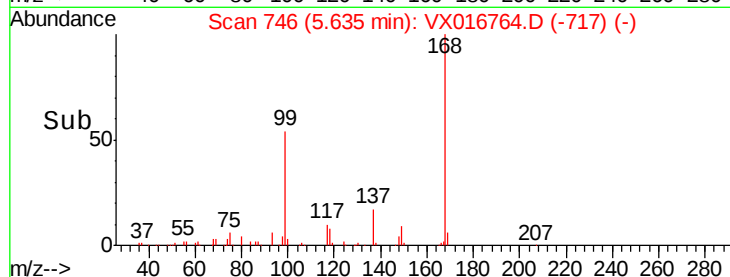
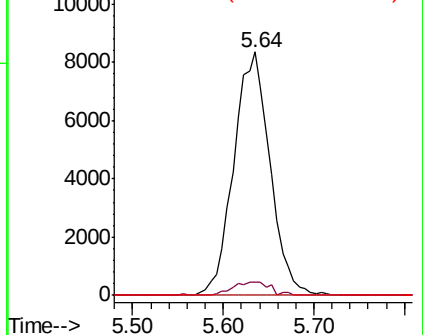
121 0.0 24.7 37.1#



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: 0.989 ug/l

RT: 7.44 min Scan# 1042

Delta R.T. 0.00 min

Lab File: VX016764.D

Acq: 15 Jun 2020 19:11

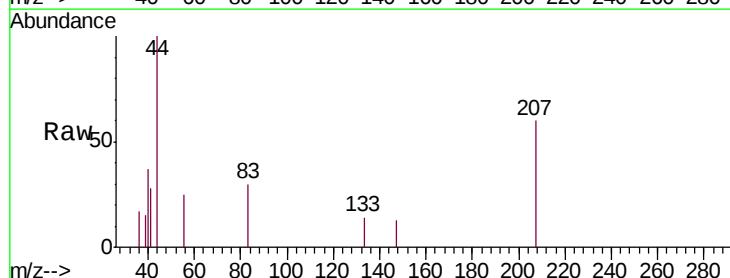
Tgt Ion: 83 Resp: 143

Ion Ratio Lower Upper

83 100

55 40.3 57.3 85.9#

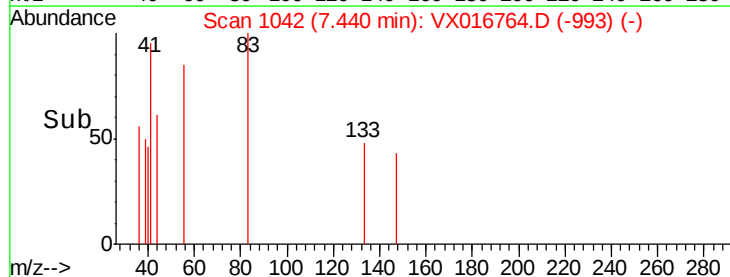
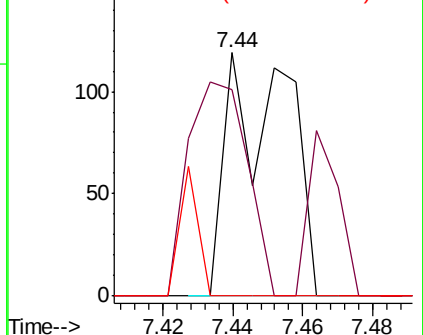
98 0.0 40.3 60.5#

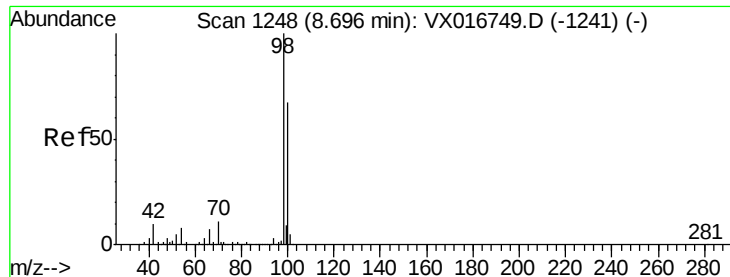


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

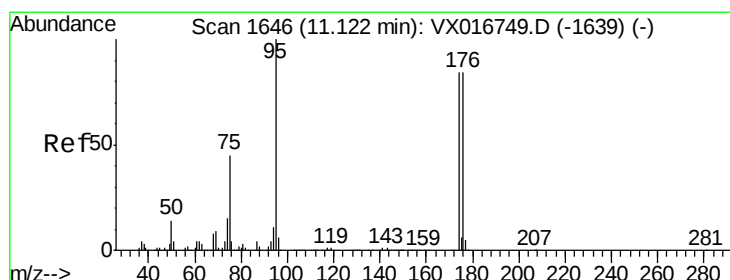
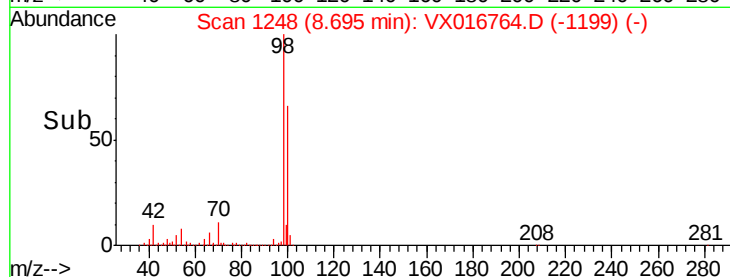
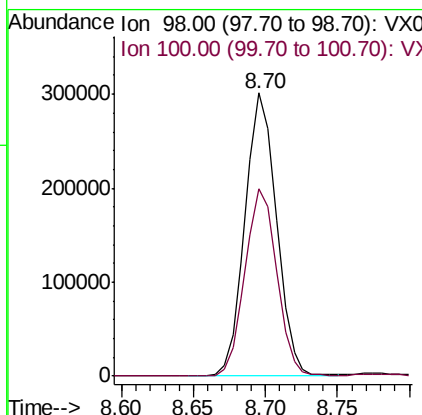
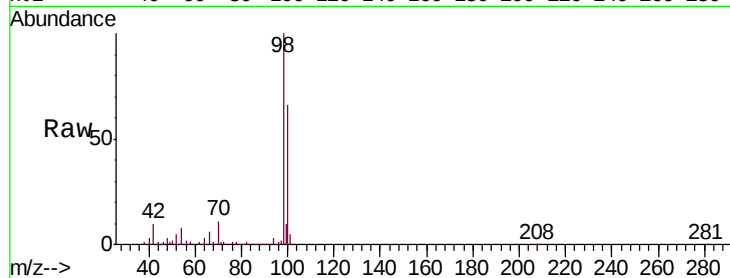




#50
Toluene-d8
Concen: 53.501 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX016764.D
Acq: 15 Jun 2020 19:11

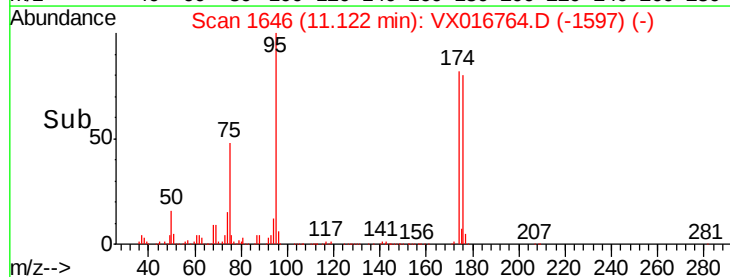
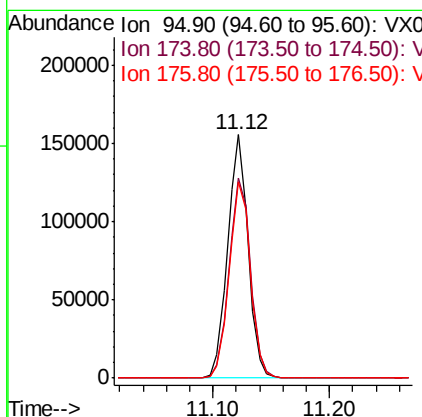
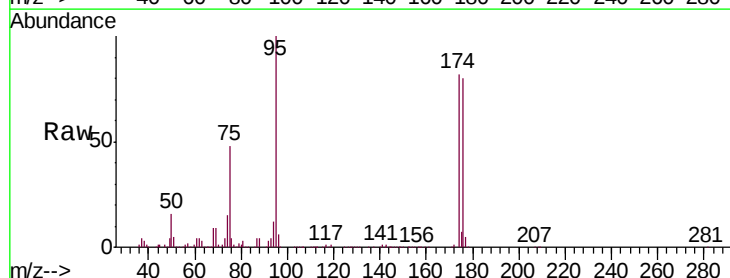
Instrument :
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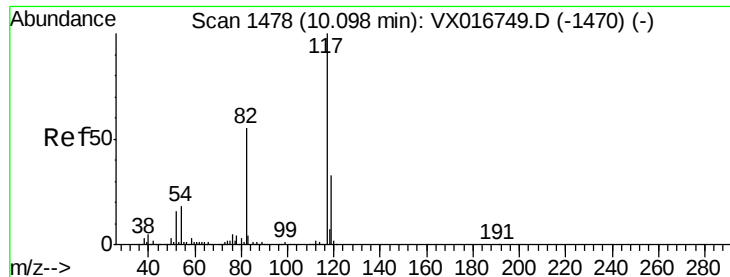
Tgt Ion: 98 Resp: 457285
Ion Ratio Lower Upper
98 100
100 66.7 53.9 80.9



#62
4-Bromofluorobenzene
Concen: 57.971 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX016764.D
Acq: 15 Jun 2020 19:11

Tgt Ion: 95 Resp: 189524
Ion Ratio Lower Upper
95 100
174 86.8 0.0 171.0
176 83.9 0.0 166.2

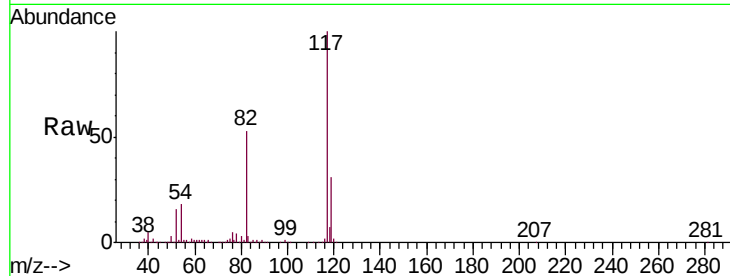




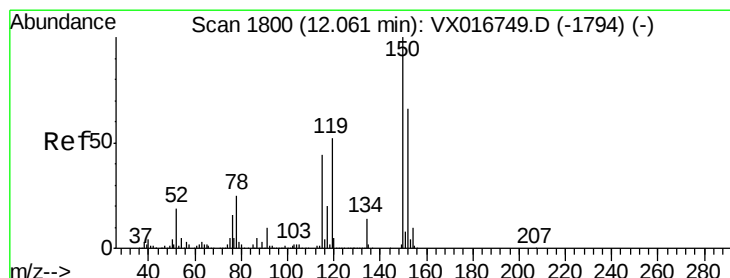
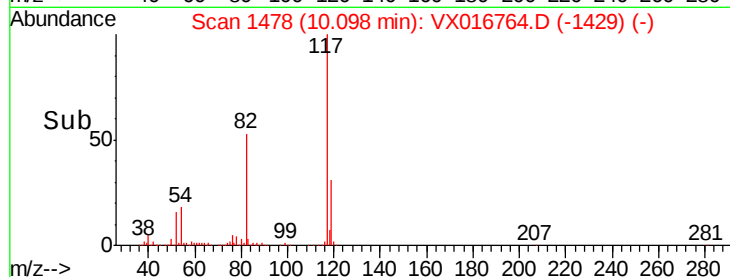
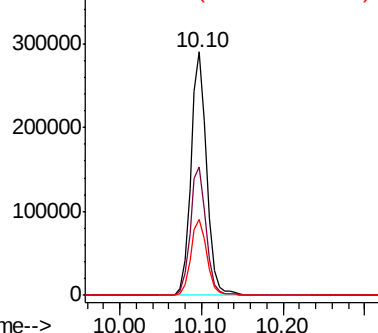
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX016764.D
Acq: 15 Jun 2020 19:11

Instrument :
MSVOA_X
ClientSampleId :
AOC50MW002-200610

Tgt Ion:117 Resp: 390501
Ion Ratio Lower Upper
117 100
82 52.9 43.8 65.6
119 31.3 26.2 39.4

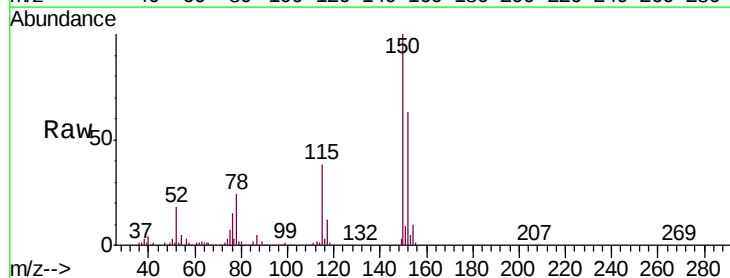


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

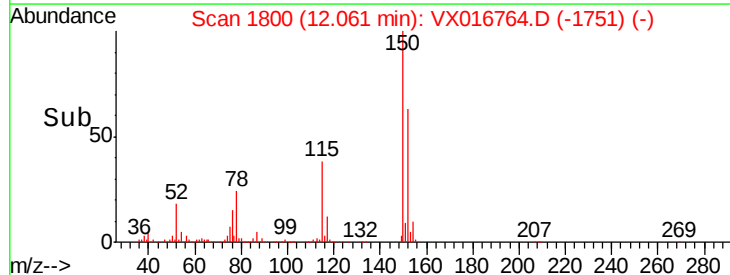
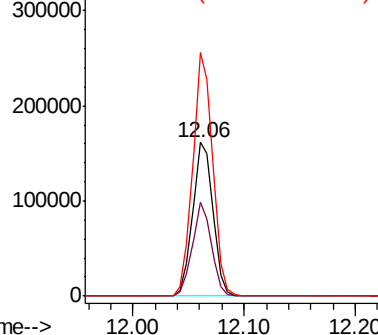


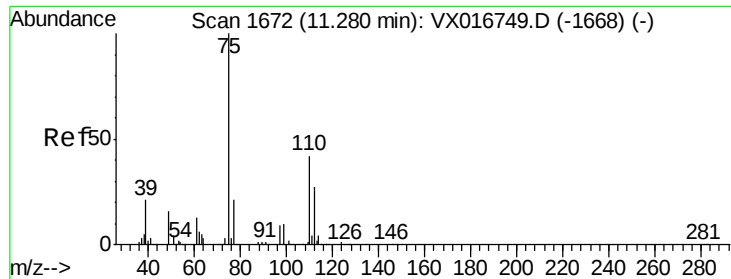
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX016764.D
Acq: 15 Jun 2020 19:11

Tgt Ion:152 Resp: 203074
Ion Ratio Lower Upper
152 100
115 57.4 40.3 120.8
150 155.3 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: 21.685 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016764.D

Acq: 15 Jun 2020 19:11

Instrument :

MSVOA_X

ClientSampleId :

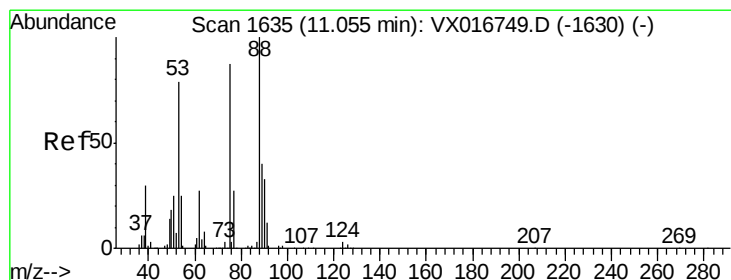
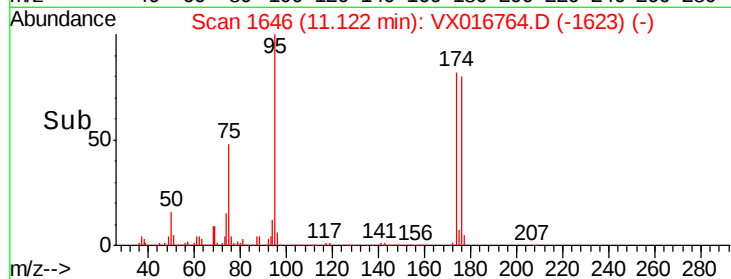
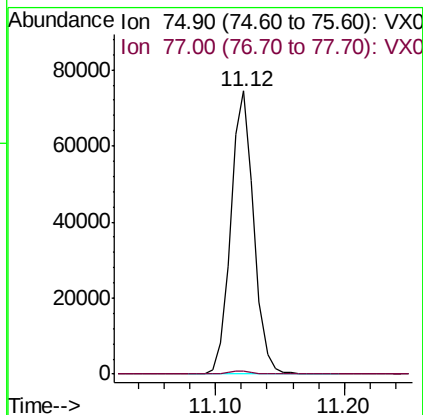
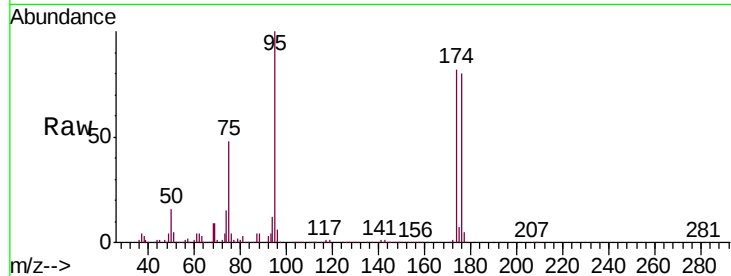
AOC50MW002-200610

Tgt Ion: 75 Resp: 92605

Ion Ratio Lower Upper

75 100

77 1.3 20.3 60.9#



#81

trans-1,4-Dichloro-2-butene

Concen: 54.590 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX016764.D

Acq: 15 Jun 2020 19:11

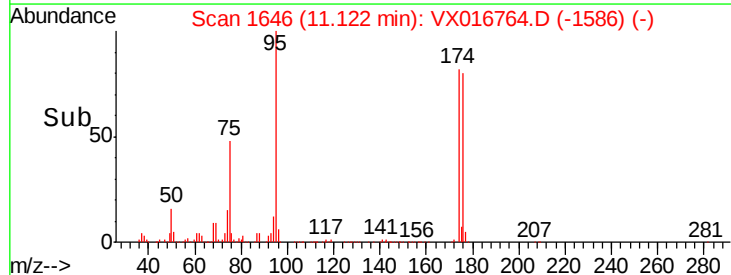
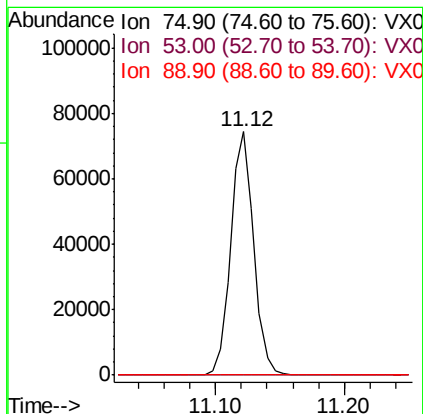
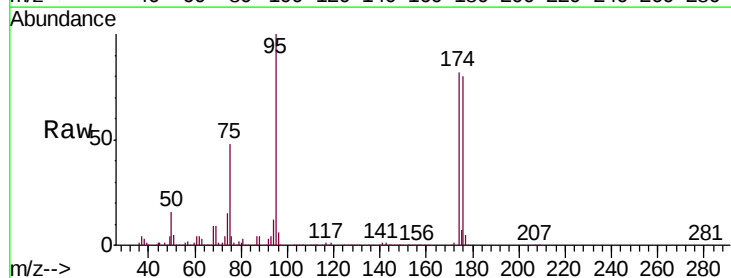
Tgt Ion: 75 Resp: 92605

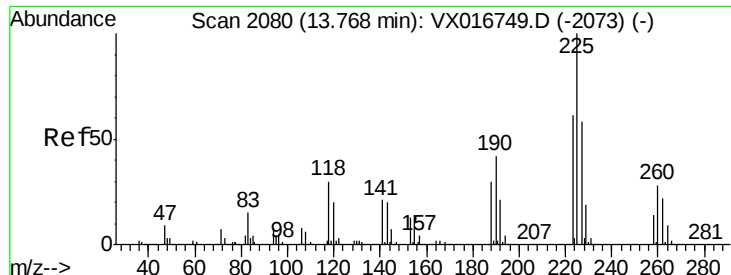
Ion Ratio Lower Upper

75 100

53 0.1 71.4 107.0#

89 0.0 39.1 58.7#





#94

Hexachlorobutadiene

Concen: 0.489 ug/l

RT: 13.76 min Scan# 2079

Delta R.T. -0.01 min

Lab File: VX016764.D

Acq: 15 Jun 2020 19:11

Instrument :

MSVOA_X

ClientSampleId :

AOC50MW002-200610

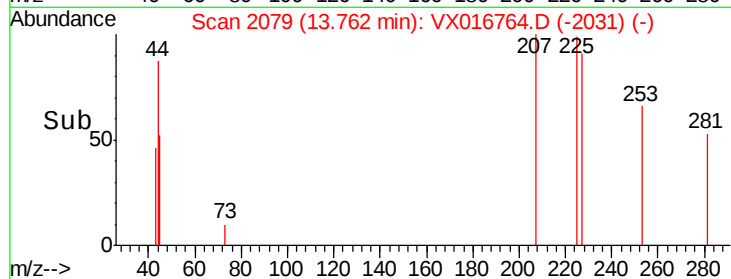
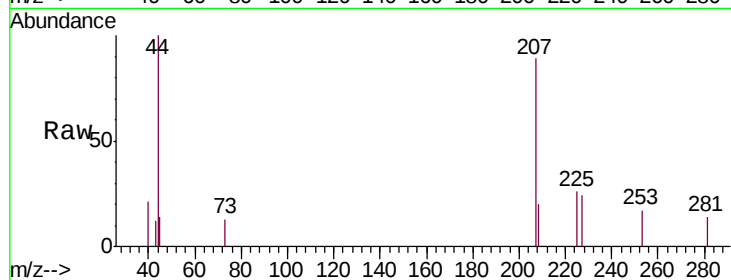
Tgt Ion: 225 Resp: 150

Ion Ratio Lower Upper

225 100

223 26.7 31.1 93.5#

227 103.3 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

