

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070120\
 Data File : VX017090.D
 Acq On : 01 Jul 2020 12:13
 Operator : JC/SP
 Sample : L3152-01 500X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 40680DL

Quant Time: Jul 02 01:34:42 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062920W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 29 17:10:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	214506	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	356368	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	359776	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	185904	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	139332	52.69	ug/l	0.00
Spiked Amount			Recovery	=	105.38%	
35) Dibromofluoromethane	5.46	113	121696	53.98	ug/l	0.00
Spiked Amount			Recovery	=	107.96%	
50) Toluene-d8	8.70	98	432602	51.90	ug/l	0.00
Spiked Amount			Recovery	=	103.80%	
62) 4-Bromofluorobenzene	11.12	95	176496	54.16	ug/l	0.00
Spiked Amount			Recovery	=	108.32%	

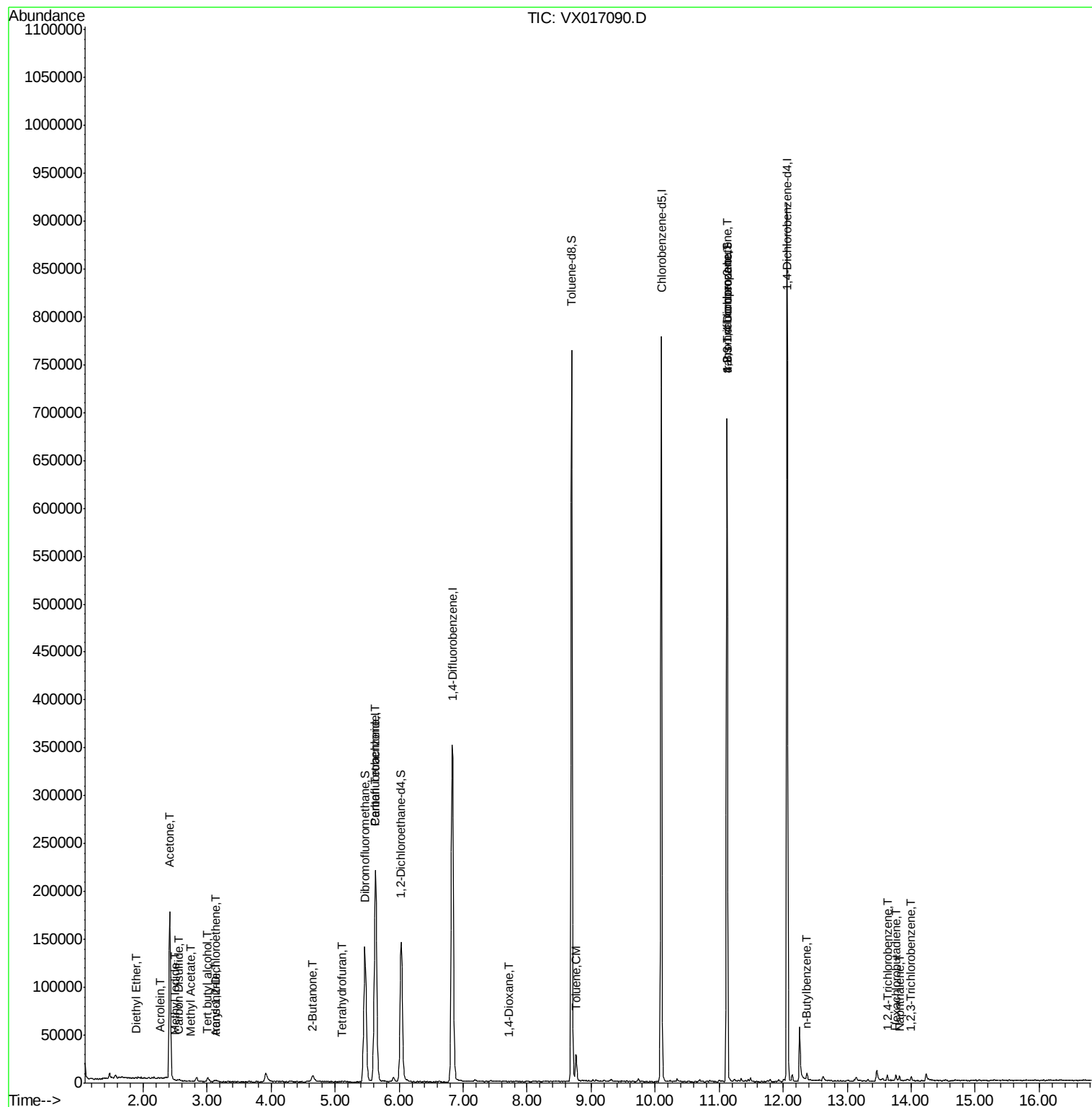
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	1.89	74	84	0.437	ug/l	59
10) Methyl Iodide	2.49	142	637	0.239	ug/l #	82
11) Tert butyl alcohol	3.01	59	4168	8.262	ug/l #	92
13) Acrolein	2.27	56	726	2.407	ug/l	93
15) Acrylonitrile	3.12	53	732	0.604	ug/l #	61
16) Acetone	2.42	43	183757	185.753	ug/l	98
17) Carbon Disulfide	2.55	76	2184	0.391	ug/l #	74
18) Methyl Acetate	2.75	43	1263	0.489	ug/l #	81
21) trans-1,2-Dichloroethene	3.14	96	497	0.211	ug/l #	47
25) 2-Butanone	4.64	43	911	0.553	ug/l #	87
29) Tetrahydrofuran	5.11	42	662	0.608	ug/l #	39
38) Carbon Tetrachloride	5.63	117	21081	5.683	ug/l #	17
44) Trichloroethene	7.20	130	635	Below Cal		54
49) 1,4-Dioxane	7.72	88	51	0.834	ug/l #	24
52) Toluene	8.76	92	9717	1.573	ug/l	98
76) 1,2,3-Trichloropropane	11.12	75	89230	24.408	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	89230	63.209	ug/l #	13
89) n-Butylbenzene	12.37	91	2038	0.210	ug/l	96
93) 1,2,4-Trichlorobenzene	13.63	180	1239	0.320	ug/l	87
94) Hexachlorobutadiene	13.77	225	673	1.294	ug/l	95
95) Naphthalene	13.82	128	2635	0.224	ug/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	995	0.265	ug/l	84

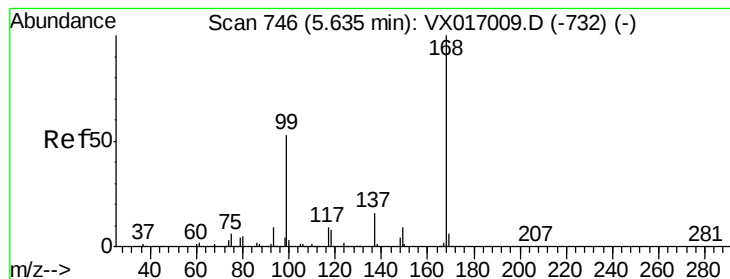
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX070120\
Data File : VX017090.D
Acq On : 01 Jul 2020 12:13
Operator : JC/SP
Sample : L3152-01 500X
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
40680DL

Quant Time: Jul 02 01:34:42 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X062920W.M
Quant Title : SW846 8260
QLast Update : Mon Jun 29 17:10:38 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: VX017090.D

Acq: 01 Jul 2020 12:13

Instrument :

MSVOA_X

ClientSampled :

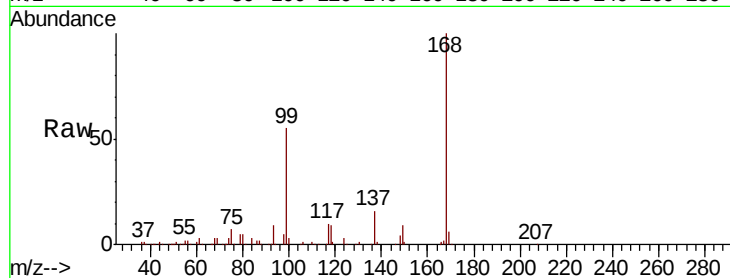
40680DL

Tot Ion:168 Resp: 214506

Ion Ratio Lower Upper

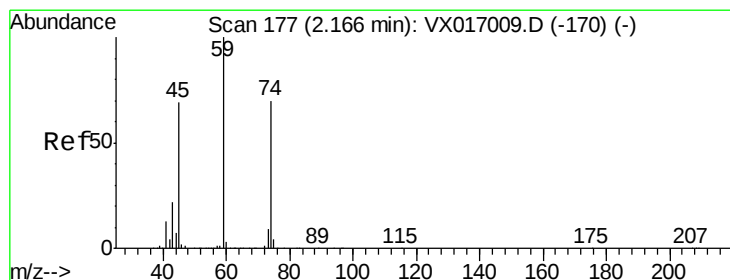
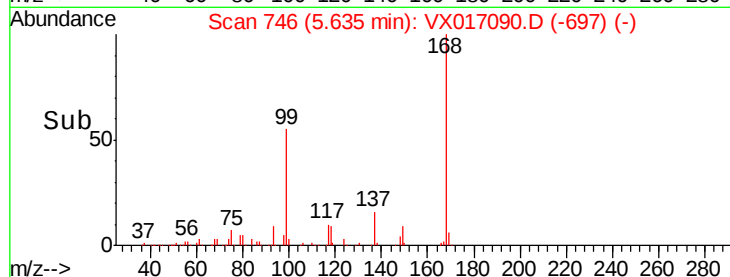
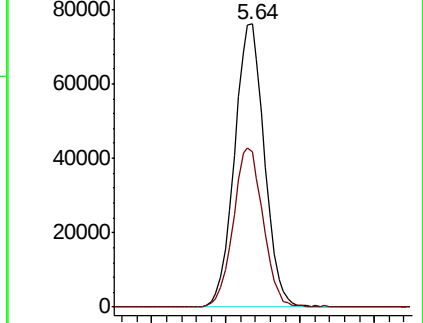
168 100

99 54.9 42.6 64.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#8

Diethyl Ether

Concen: 0.437 ug/l

RT: 1.89 min Scan# 131

Delta R.T. -0.28 min

Lab File: VX017090.D

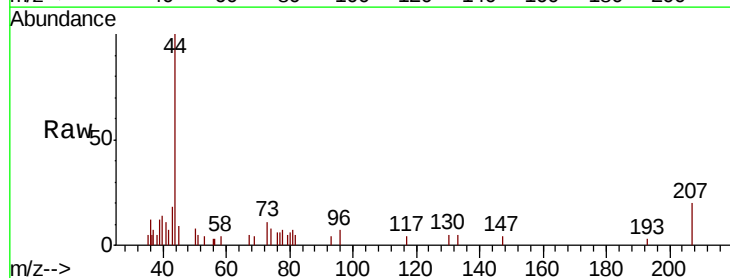
Acq: 01 Jul 2020 12:13

Tgt Ion: 74 Resp: 84

Ion Ratio Lower Upper

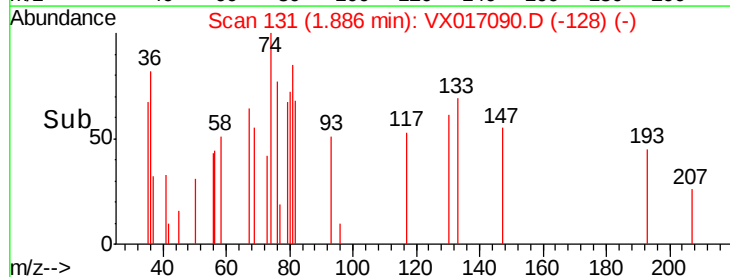
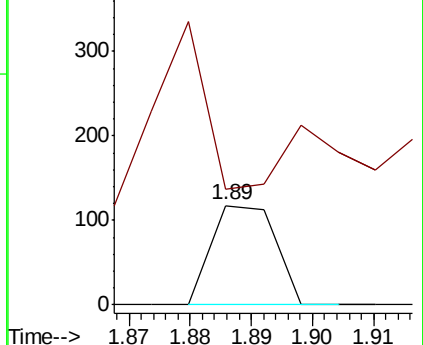
74 100

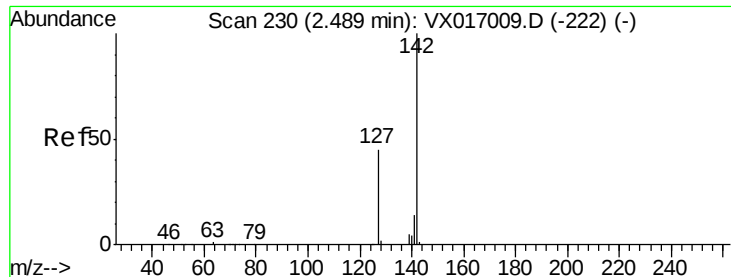
45 58.3 49.8 149.3



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0





#10

Methyl Iodide

Concen: 0.239 ug/l

RT: 2.49 min Scan# 230

Delta R.T. -0.00 min

Lab File: VX017090.D

Acq: 01 Jul 2020 12:13

Instrument :

MSVOA_X

ClientSampleID :

40680DL

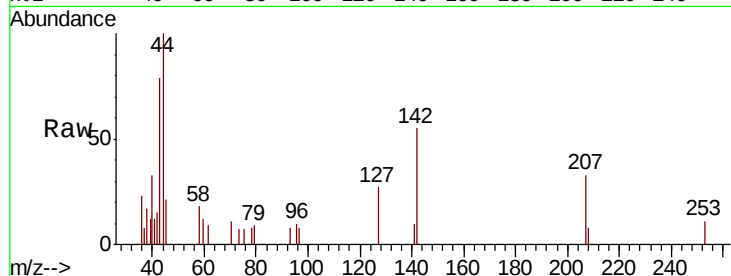
Tot Ion:142 Resp: 637

Ion Ratio Lower Upper

142 100

127 56.2 36.6 54.8#

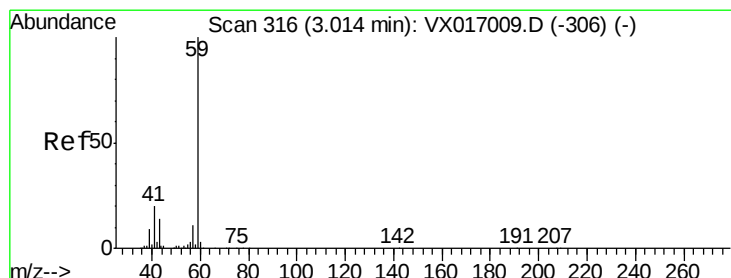
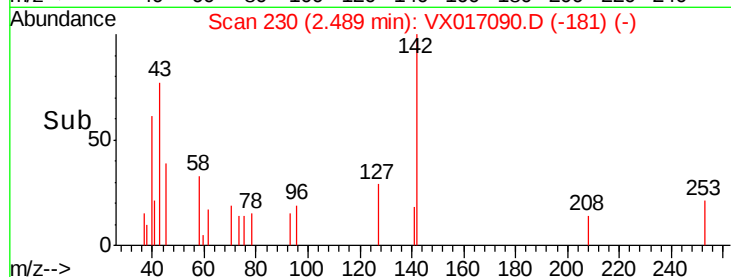
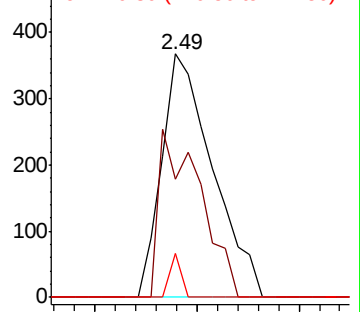
141 3.9 11.6 17.4#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



#11

Tert butyl alcohol

Concen: 8.262 ug/l

RT: 3.01 min Scan# 316

Delta R.T. -0.00 min

Lab File: VX017090.D

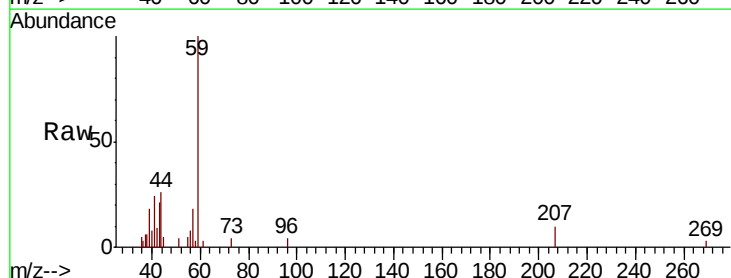
Acq: 01 Jul 2020 12:13

Tgt Ion: 59 Resp: 4168

Ion Ratio Lower Upper

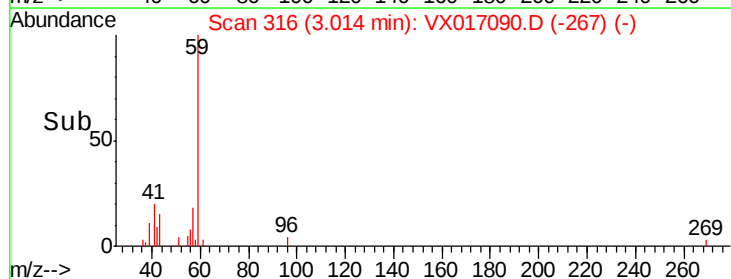
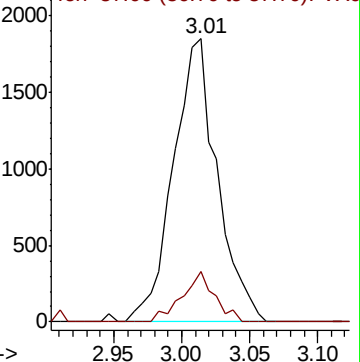
59 100

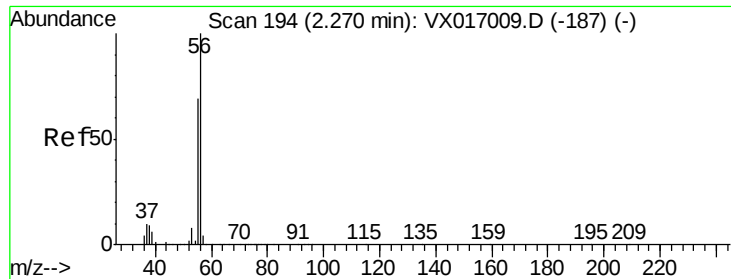
57 13.3 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

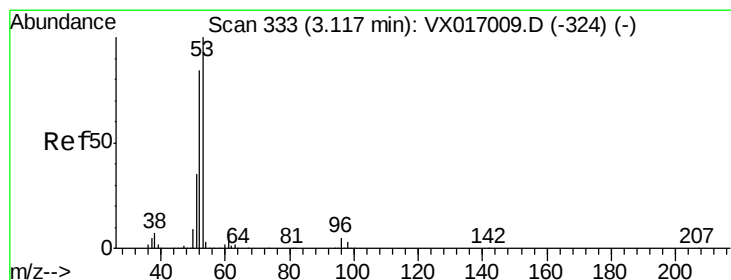
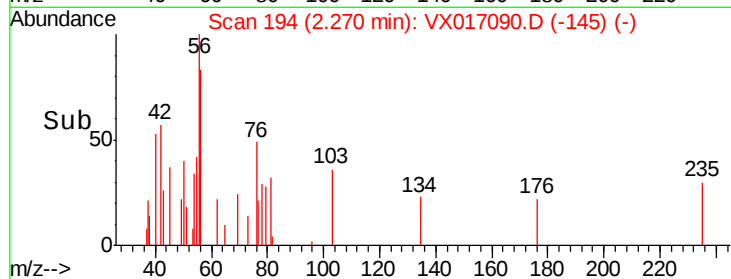
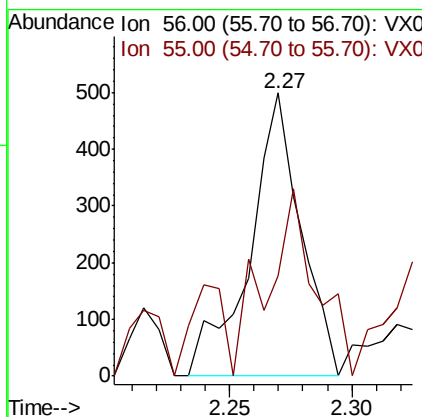
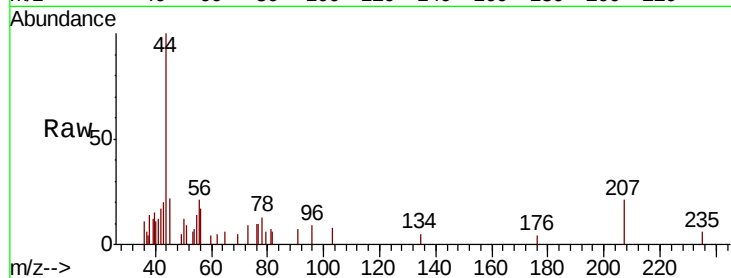




#13
Acrolein
Concen: 2.407 ug/l
RT: 2.27 min Scan# 194
Delta R.T. -0.00 min
Lab File: VX017090.D
Acq: 01 Jul 2020 12:13

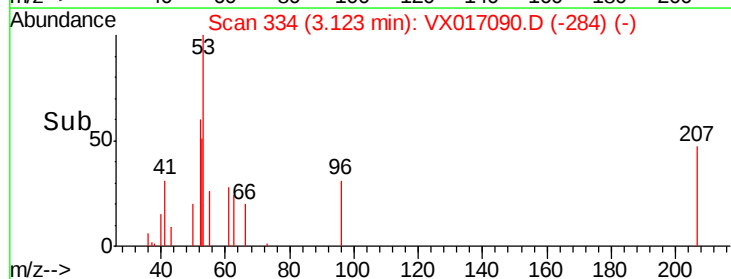
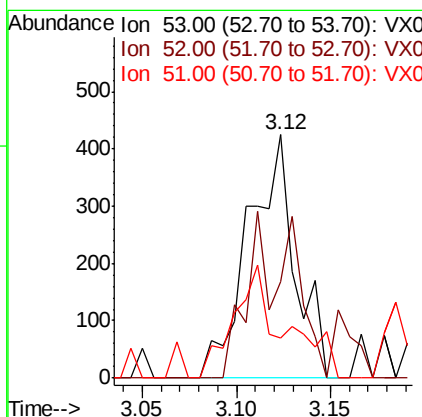
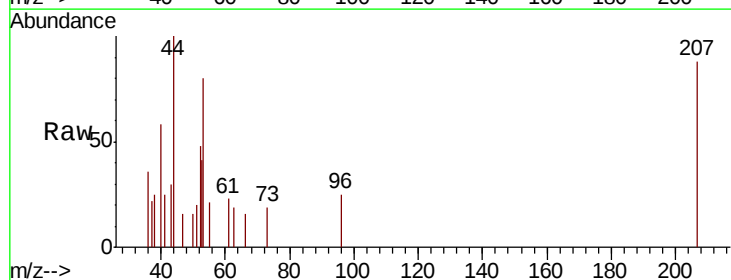
Instrument :
MSVOA_X
ClientSampled :
40680DL

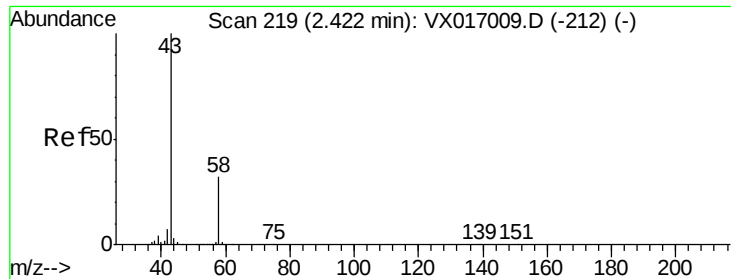
Tot Ion: 56 Resp: 726
Ion Ratio Lower Upper
56 100
55 63.6 55.7 83.5



#15
Acrylonitrile
Concen: 0.604 ug/l
RT: 3.12 min Scan# 334
Delta R.T. 0.01 min
Lab File: VX017090.D
Acq: 01 Jul 2020 12:13

Tgt Ion: 53 Resp: 732
Ion Ratio Lower Upper
53 100
52 31.7 65.6 98.4#
51 35.1 28.3 42.5





#16

Acetone

Concen: 185.753 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX017090.D

Acq: 01 Jul 2020 12:13

Instrument :

MSVOA_X

ClientSampleId :

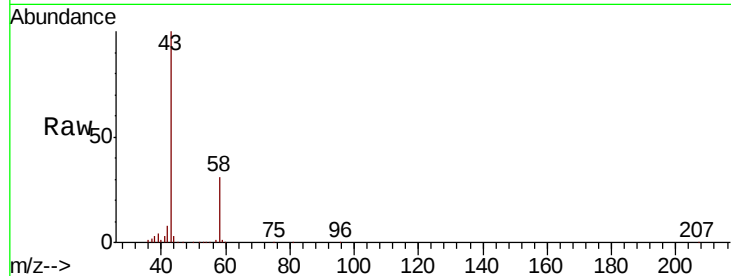
40680DL

Tot Ion: 43 Resp: 183757

Ion Ratio Lower Upper

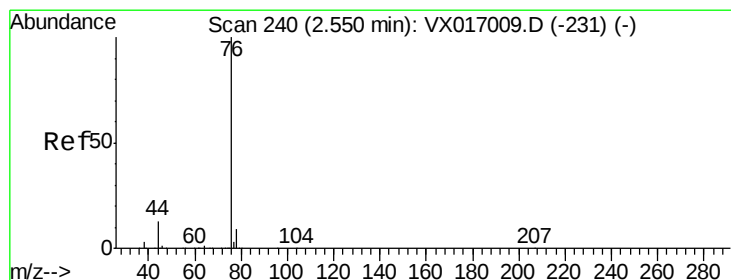
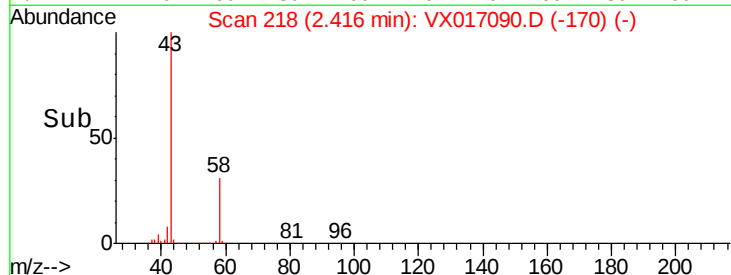
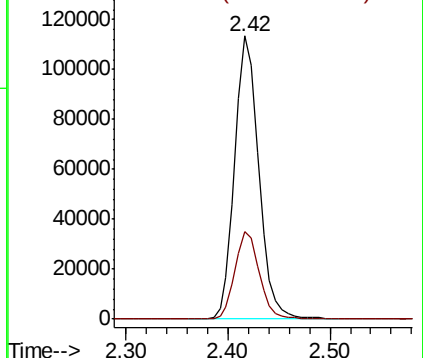
43 100

58 30.8 25.7 38.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#17

Carbon Disulfide

Concen: 0.391 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX017090.D

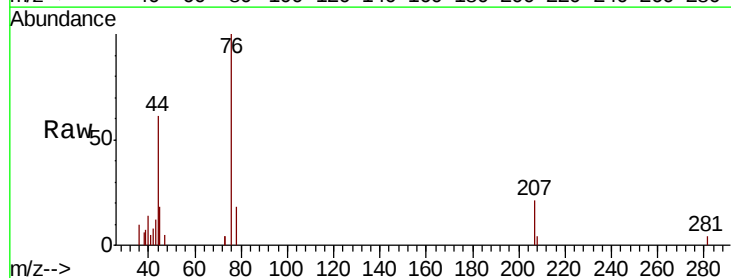
Acq: 01 Jul 2020 12:13

Tgt Ion: 76 Resp: 2184

Ion Ratio Lower Upper

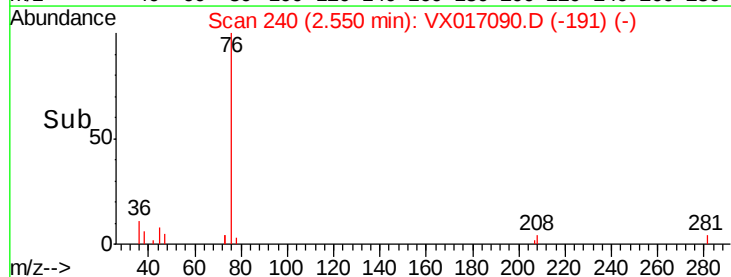
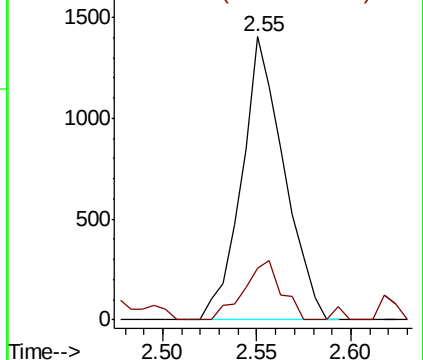
76 100

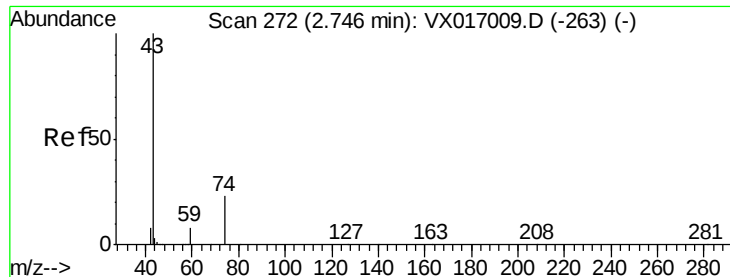
78 18.4 7.2 10.8#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

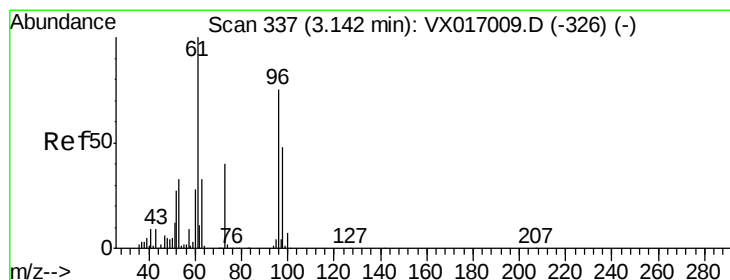
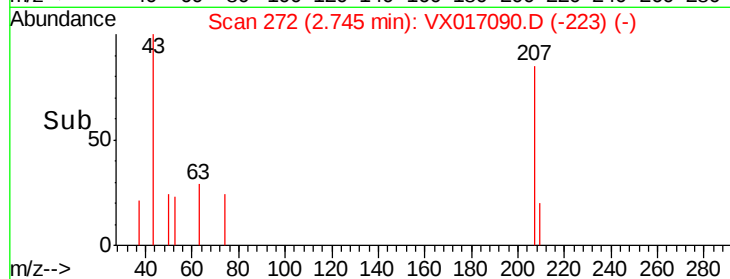
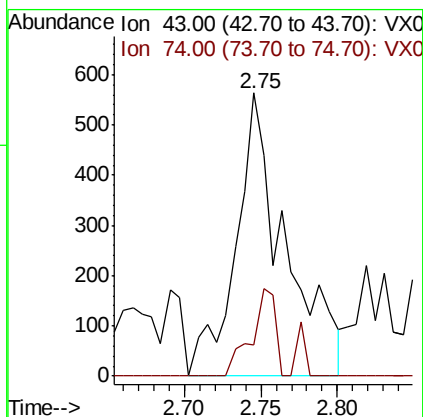
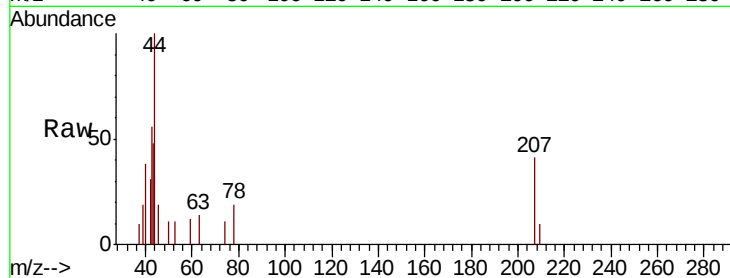




#18
Methvl Acetate
Concen: 0.489 ug/l
RT: 2.75 min Scan# 272
Delta R.T. -0.00 min
Lab File: VX017090.D
Acq: 01 Jul 2020 12:13

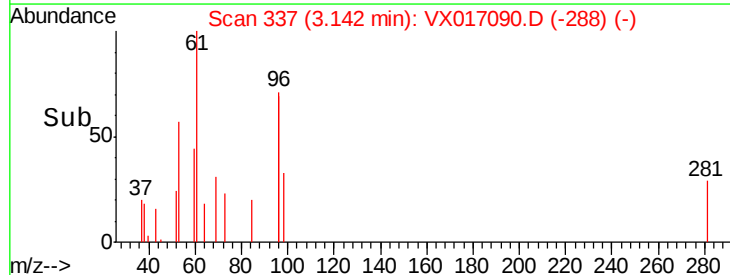
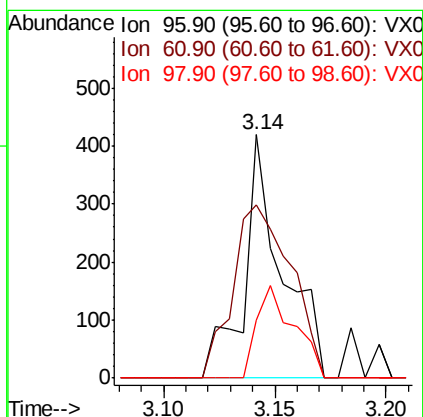
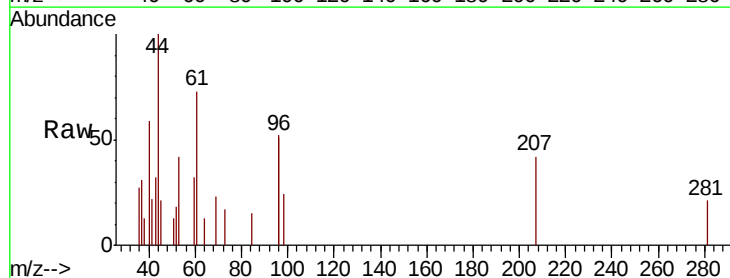
Instrument :
MSVOA_X
ClientSampled :
40680DL

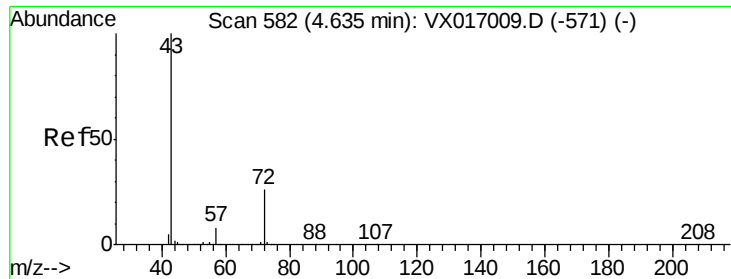
Tot Ion: 43 Resp: 1263
Ion Ratio Lower Upper
43 100
74 14.9 19.3 28.9#



#21
trans-1,2-Dichloroethene
Concen: 0.211 ug/l
RT: 3.14 min Scan# 337
Delta R.T. -0.00 min
Lab File: VX017090.D
Acq: 01 Jul 2020 12:13

Tgt Ion: 96 Resp: 497
Ion Ratio Lower Upper
96 100
61 71.0 107.0 160.6#
98 23.6 51.6 77.4#

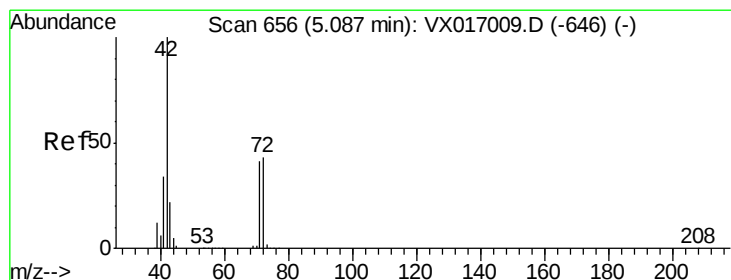
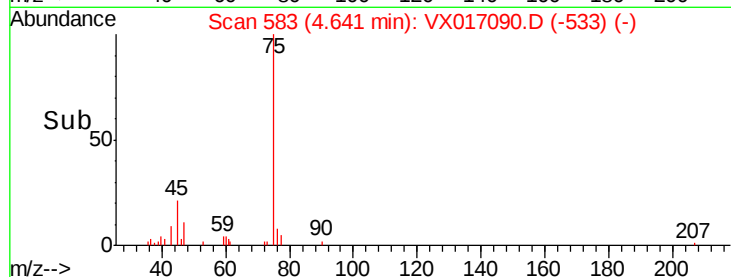
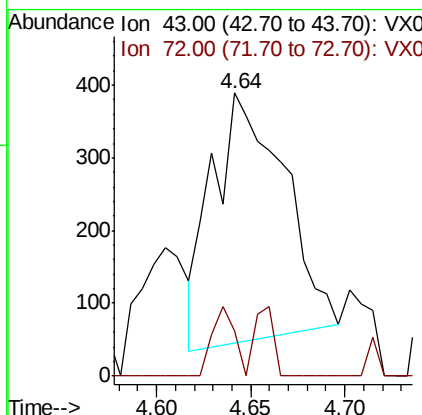
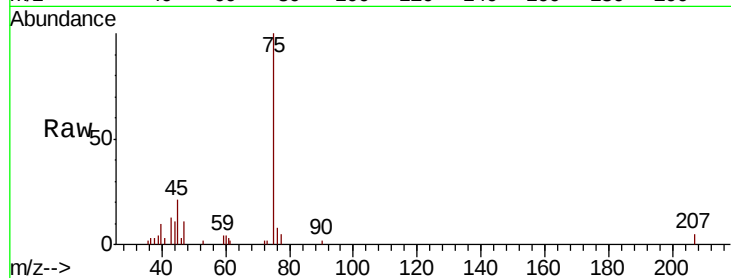




#25
2-Butanone
Concen: 0.553 ug/l
RT: 4.64 min Scan# 583
Delta R.T. 0.01 min
Lab File: VX017090.D
Acq: 01 Jul 2020 12:13

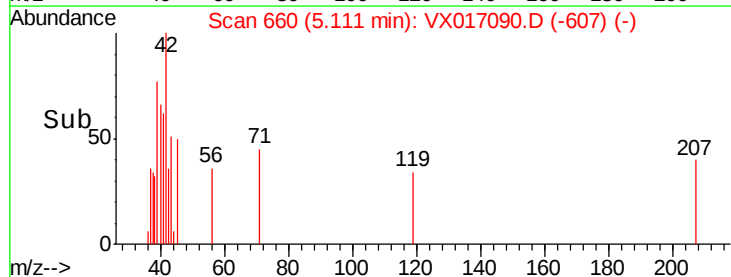
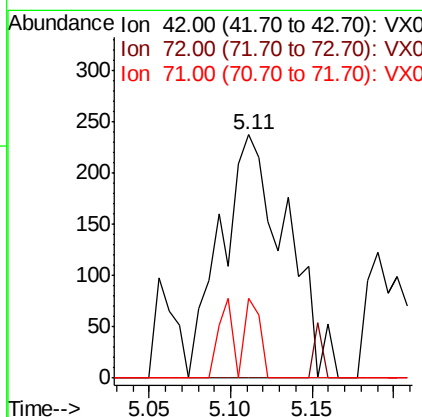
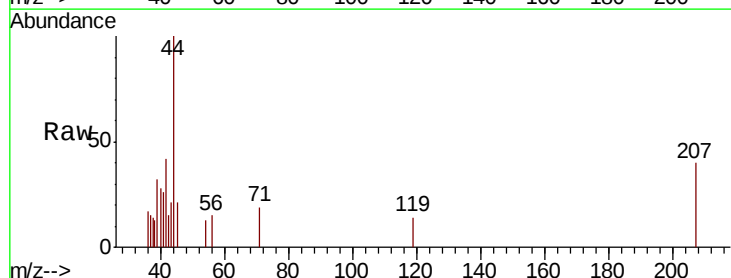
Instrument :
MSVOA_X
ClientSampled :
40680DL

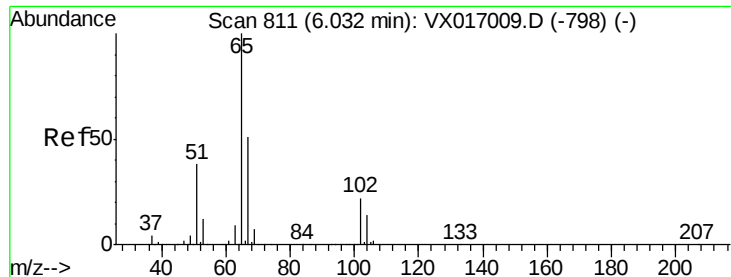
Tot Ion: 43 Resp: 911
Ion Ratio Lower Upper
43 100
72 19.4 20.8 31.2#



#29
Tetrahydrofuran
Concen: 0.608 ug/l
RT: 5.11 min Scan# 660
Delta R.T. 0.02 min
Lab File: VX017090.D
Acq: 01 Jul 2020 12:13

Tgt Ion: 42 Resp: 662
Ion Ratio Lower Upper
42 100
72 0.0 35.3 52.9#
71 7.7 33.1 49.7#





#33

1,2-Dichloroethane-d4

Concen: 52.689 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX017090.D

Acq: 01 Jul 2020 12:13

Instrument :

MSVOA_X

ClientSampleId :

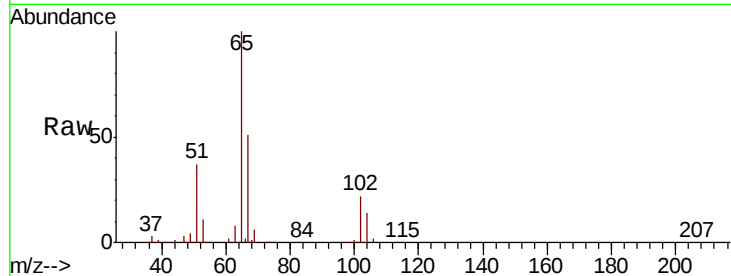
40680DL

Tot Ion: 65 Resp: 139332

Ion Ratio Lower Upper

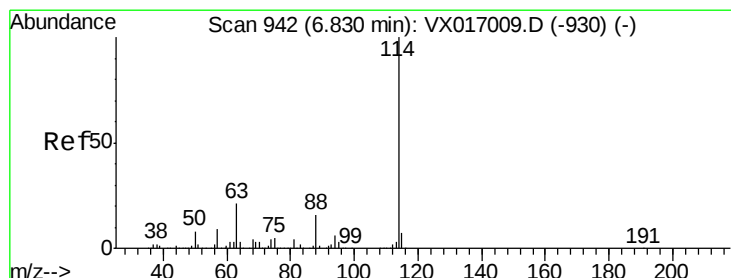
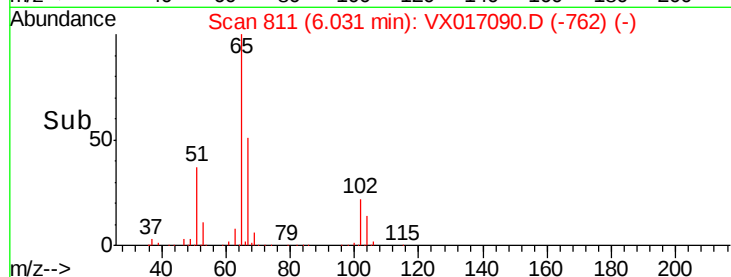
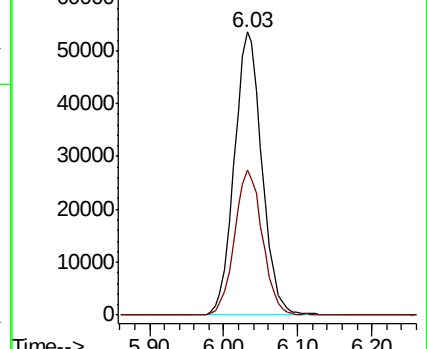
65 100

67 51.7 0.0 103.8



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: VX017090.D

Acq: 01 Jul 2020 12:13

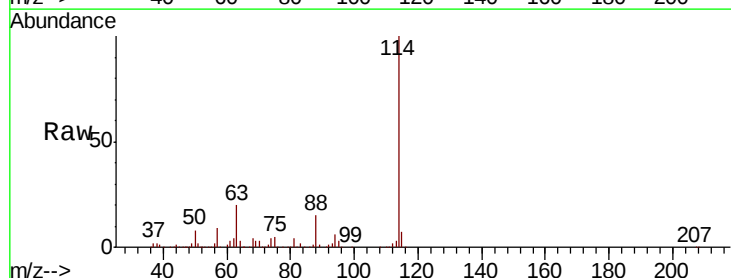
Tgt Ion: 114 Resp: 356368

Ion Ratio Lower Upper

114 100

63 20.3 0.0 41.4

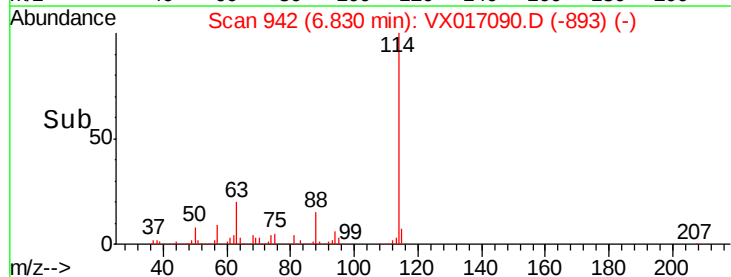
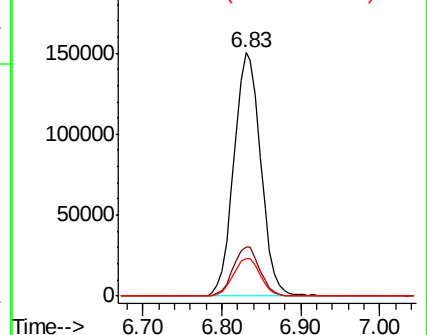
88 15.4 0.0 32.4

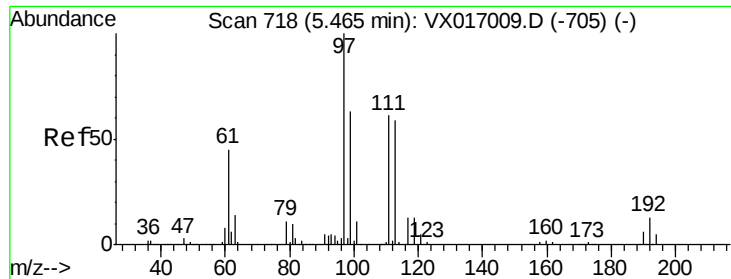


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

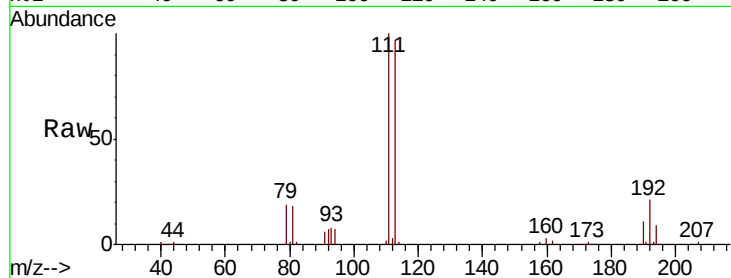




#35
 Dibromofluoromethane
 Concen: 53.985 ug/l
 RT: 5.46 min Scan# 718
 Delta R.T. -0.00 min
 Lab File: VX017090.D
 Acq: 01 Jul 2020 12:13

Instrument :
 MSVOA_X
 ClientSampleID :
 40680DL

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.1	81.9	122.9
192	21.0	16.7	25.1

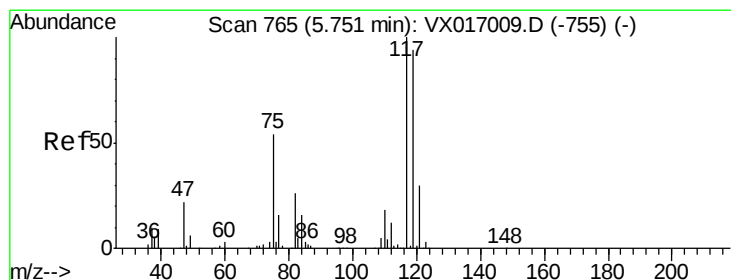
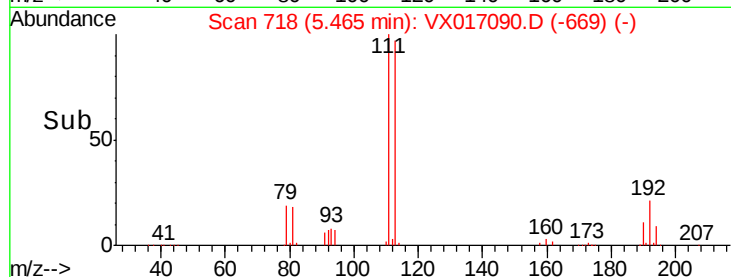
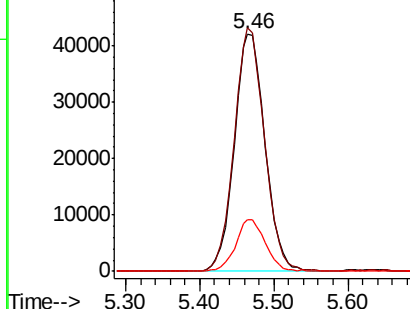


Abundance

Ion 112.80 (112.50 to 113.50): V

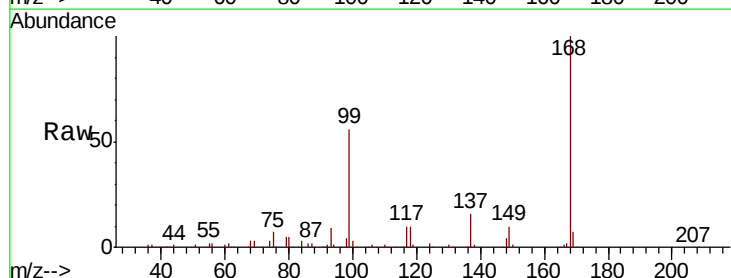
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#38
 Carbon Tetrachloride
 Concen: 5.683 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.12 min
 Lab File: VX017090.D
 Acq: 01 Jul 2020 12:13

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.5	75.4	113.0#
121	0.0	23.8	35.6#

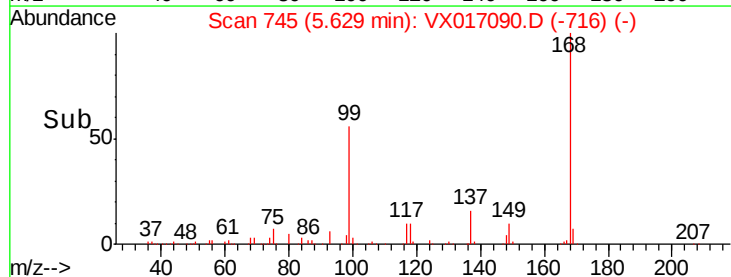
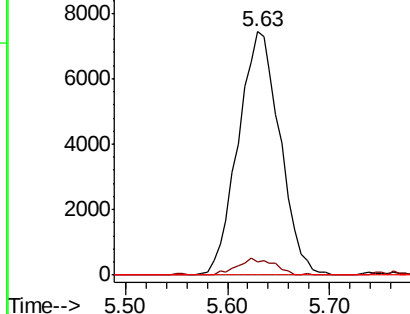


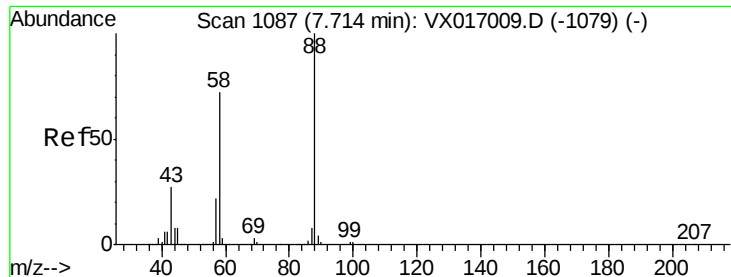
Abundance

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

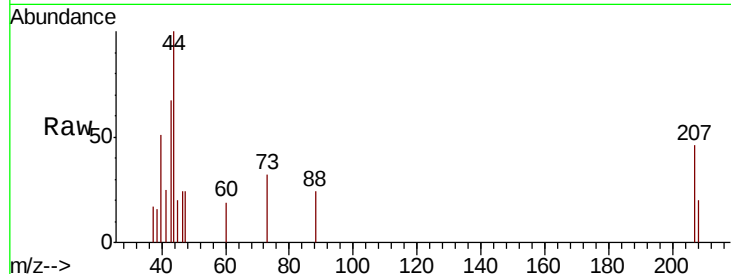




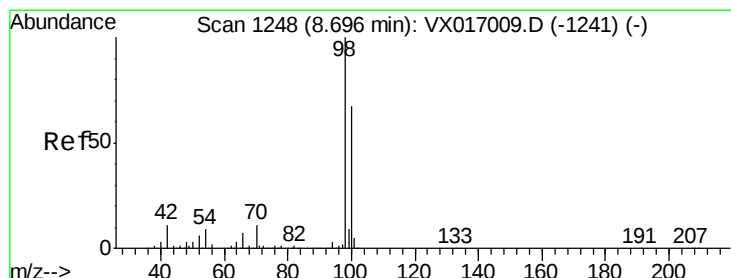
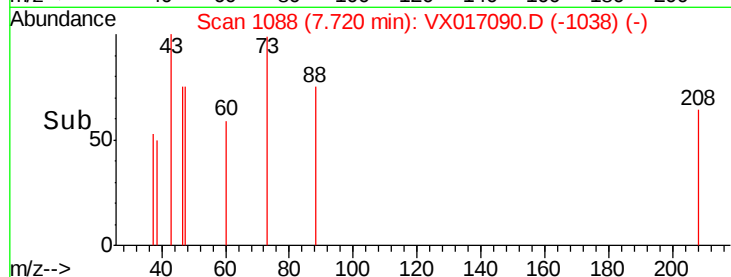
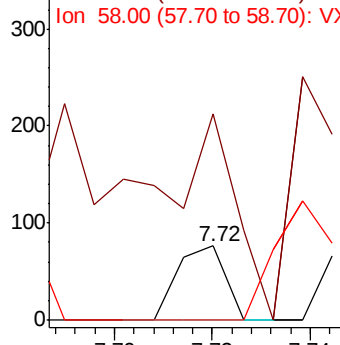
#49
 1,4-Dioxane
 Concen: 0.834 ug/l
 RT: 7.72 min Scan# 1088
 Delta R.T. 0.01 min
 Lab File: VX017090.D
 Acq: 01 Jul 2020 12:13

Instrument :
 MSVOA_X
 ClientSampleID :
 40680DL

Tot Ion: 88 Resp: 51
 Ion Ratio Lower Upper
 88 100
 43 0.0 25.8 38.8#
 58 0.0 54.8 82.2#

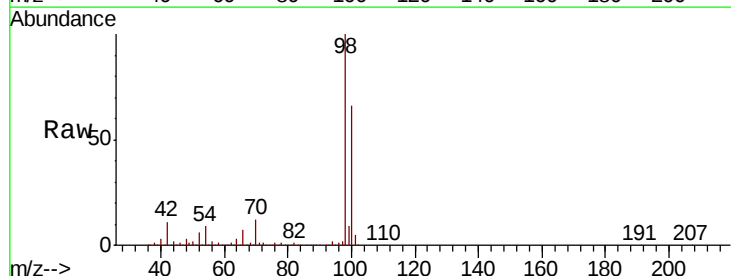


Abundance Ion 88.00 (87.70 to 88.70): VX0
 Ion 43.00 (42.70 to 43.70): VX0
 Ion 58.00 (57.70 to 58.70): VX0

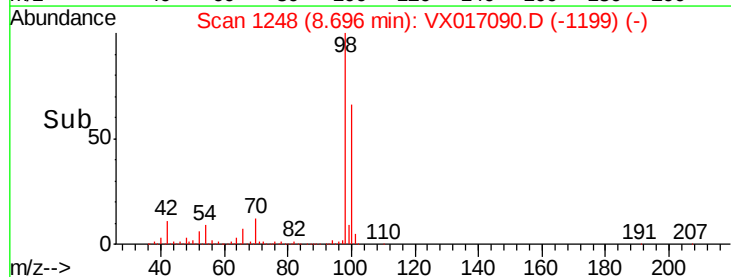
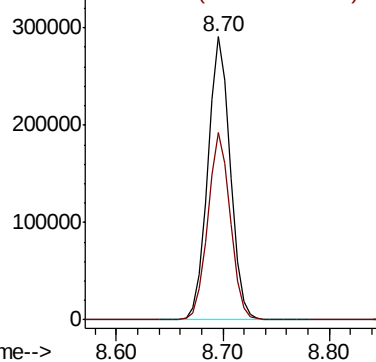


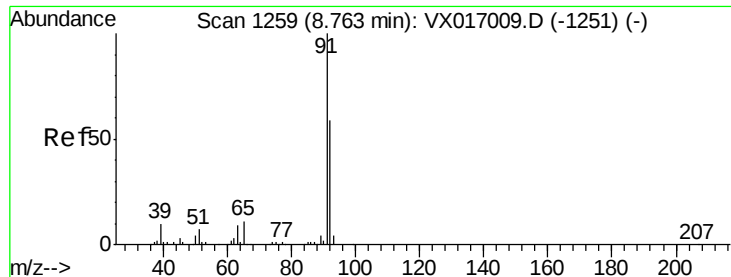
#50
 Toluene-d8
 Concen: 51.897 ug/l
 RT: 8.70 min Scan# 1248
 Delta R.T. -0.00 min
 Lab File: VX017090.D
 Acq: 01 Jul 2020 12:13

Tgt Ion: 98 Resp: 432602
 Ion Ratio Lower Upper
 98 100
 100 66.1 53.8 80.6



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





#52

Toluene

Concen: 1.573 ug/l

RT: 8.76 min Scan# 1259

Delta R.T. -0.00 min

Lab File: VX017090.D

Acq: 01 Jul 2020 12:13

Instrument :

MSVOA_X

ClientSampled :

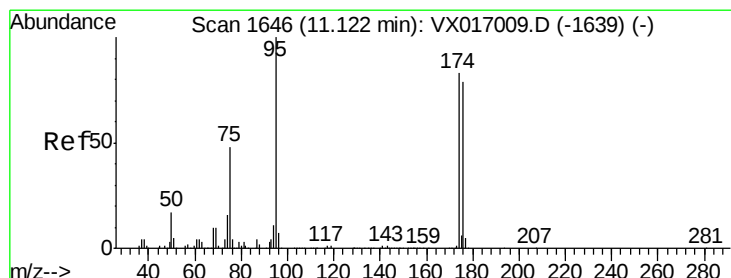
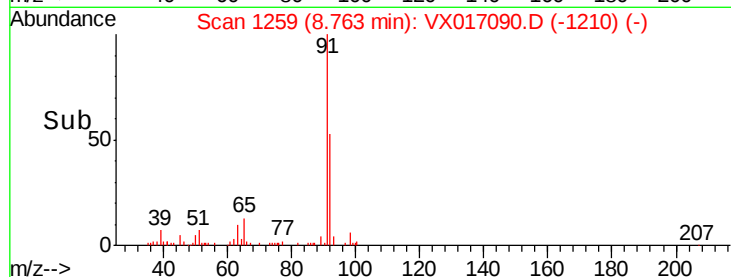
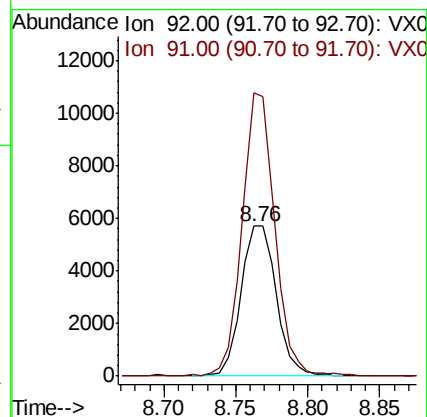
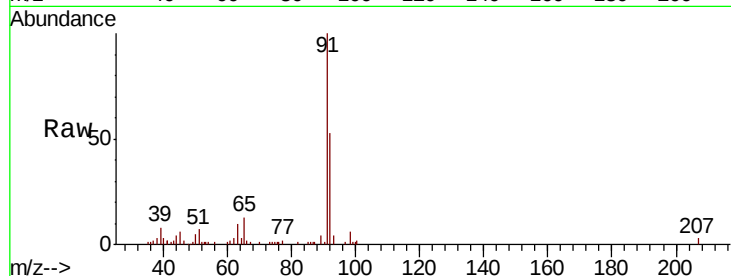
40680DL

Tot Ion: 92 Resp: 9717

Ion Ratio Lower Upper

92 100

91 173.9 136.9 205.3



#62

4-Bromofluorobenzene

Concen: 54.163 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX017090.D

Acq: 01 Jul 2020 12:13

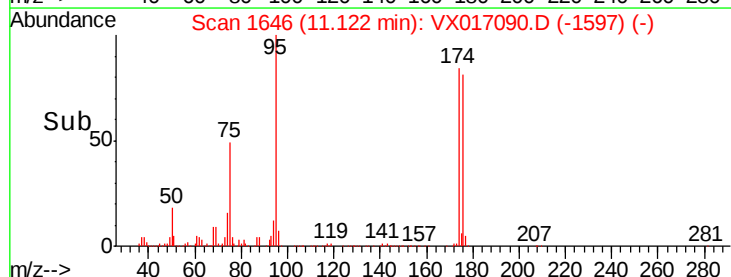
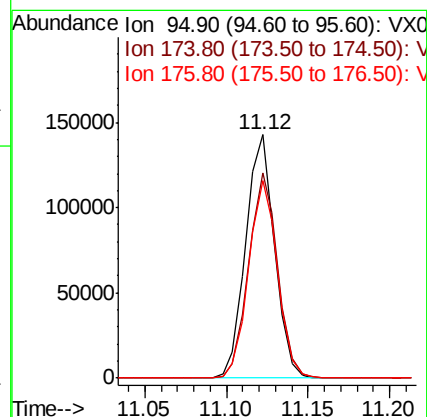
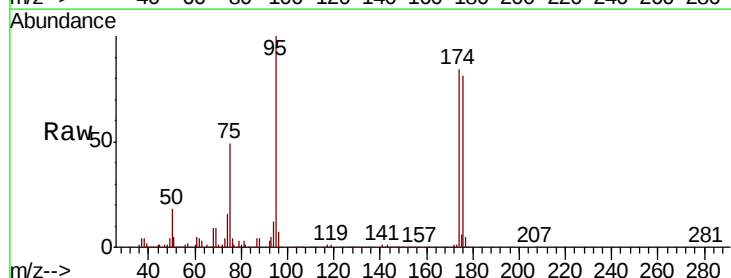
Tgt Ion: 95 Resp: 176496

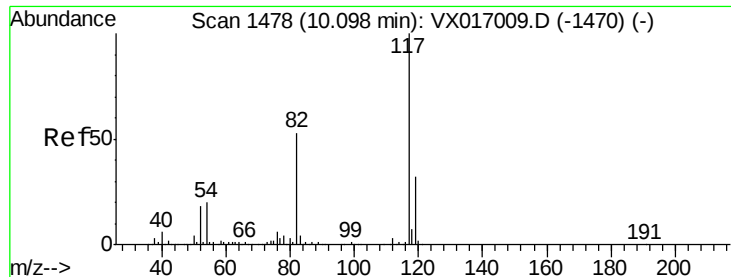
Ion Ratio Lower Upper

95 100

174 84.6 0.0 164.0

176 81.2 0.0 157.6

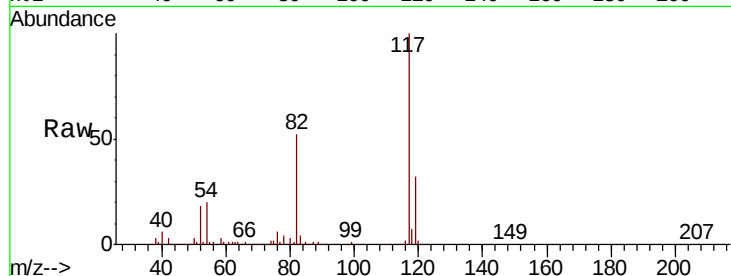




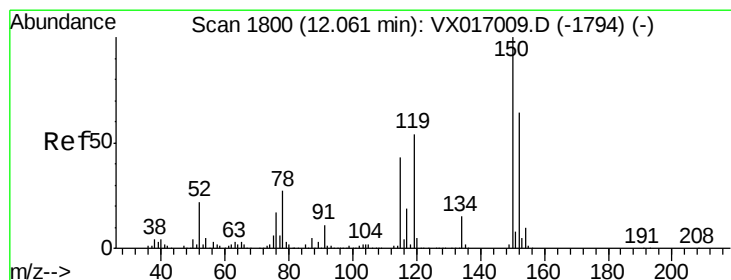
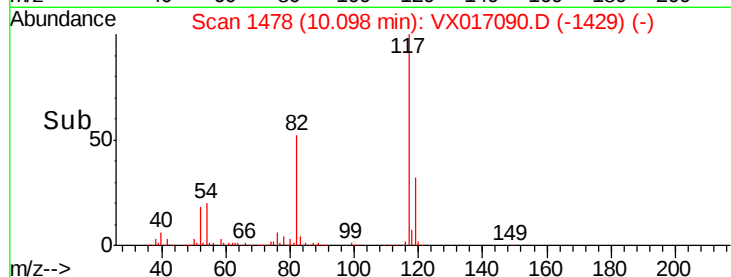
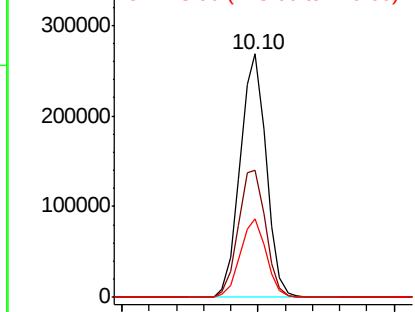
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX017090.D
Acq: 01 Jul 2020 12:13

Instrument :
MSVOA_X
ClientSampleId :
40680DL

Tot Ion:117 Resp: 359776
Ion Ratio Lower Upper
117 100
82 52.3 42.6 63.8
119 32.0 25.4 38.2

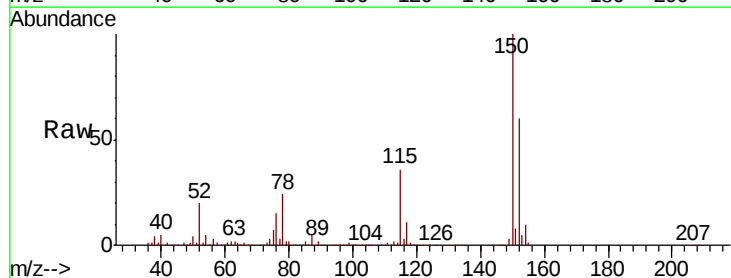


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

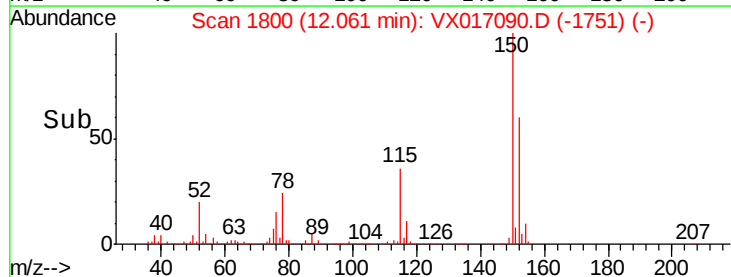
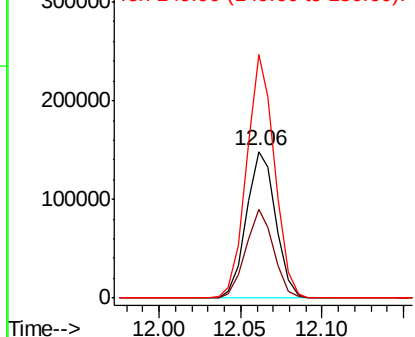


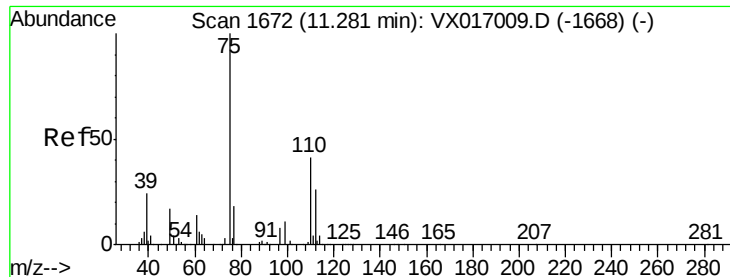
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX017090.D
Acq: 01 Jul 2020 12:13

Tgt Ion:152 Resp: 185904
Ion Ratio Lower Upper
152 100
115 57.8 40.9 122.7
150 158.6 0.0 351.6



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: 24.408 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX017090.D

Acq: 01 Jul 2020 12:13

Instrument :

MSVOA_X

ClientSampleId :

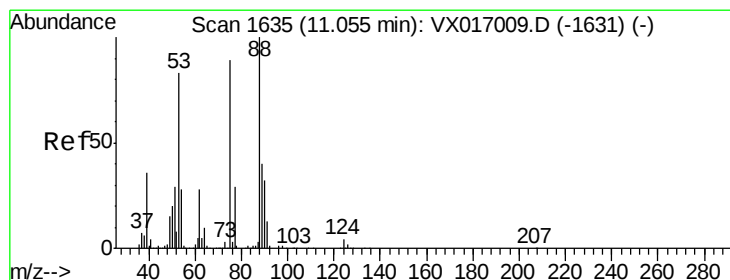
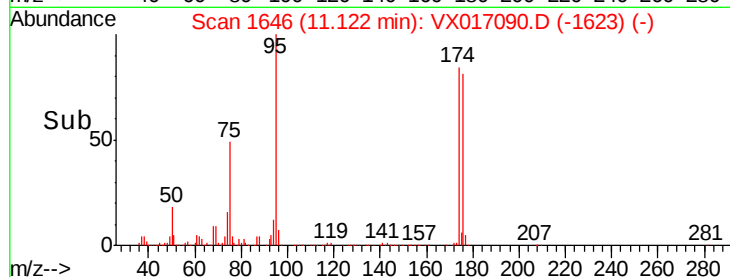
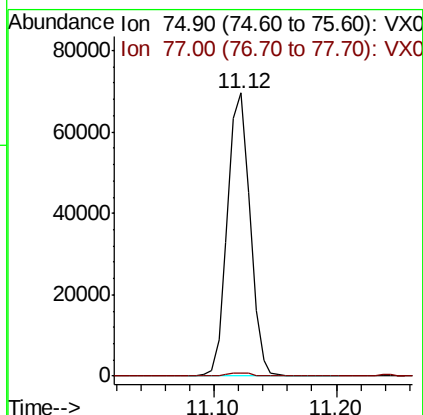
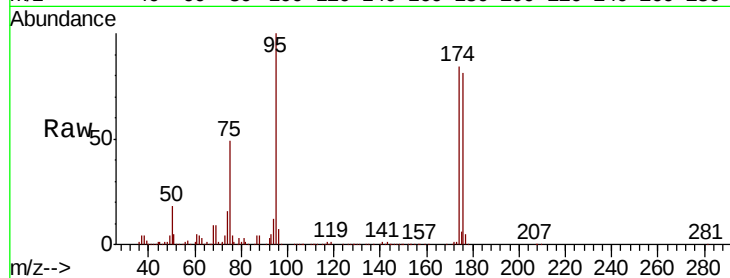
40680DL

Tot Ion: 75 Resp: 89230

Ion Ratio Lower Upper

75 100

77 1.4 20.2 60.6#



#81

trans-1,4-Dichloro-2-butene

Concen: 63.209 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX017090.D

Acq: 01 Jul 2020 12:13

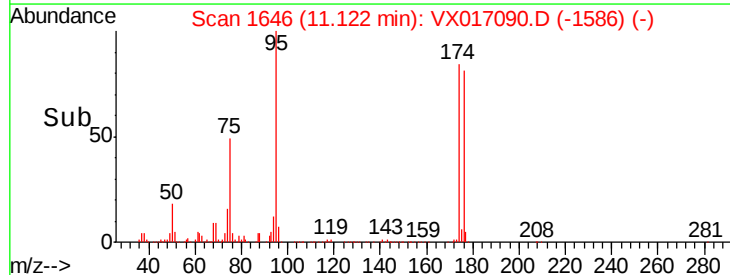
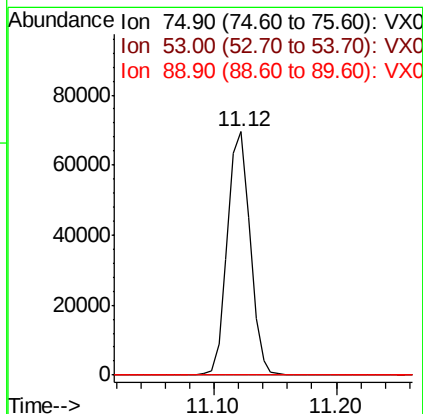
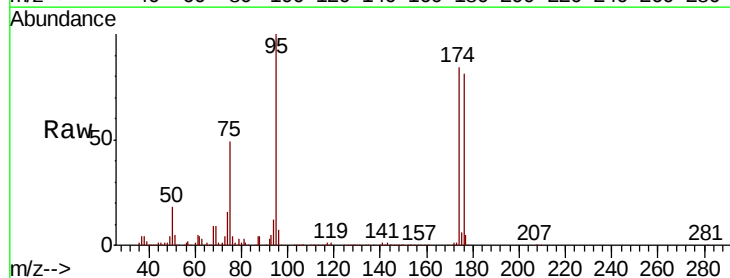
Tgt Ion: 75 Resp: 89230

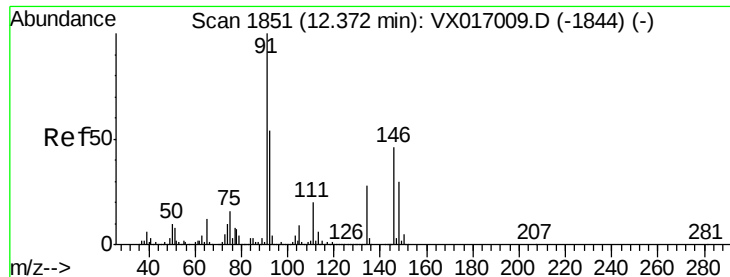
Ion Ratio Lower Upper

75 100

53 0.3 72.4 108.6#

89 0.0 37.0 55.4#

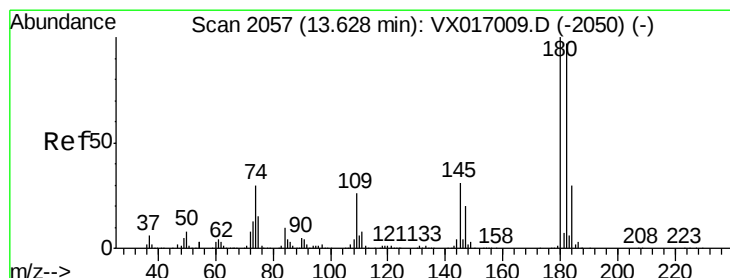
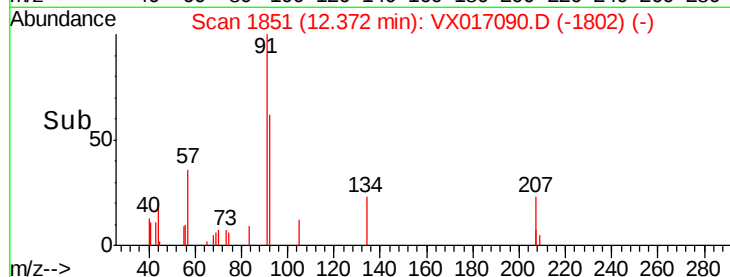
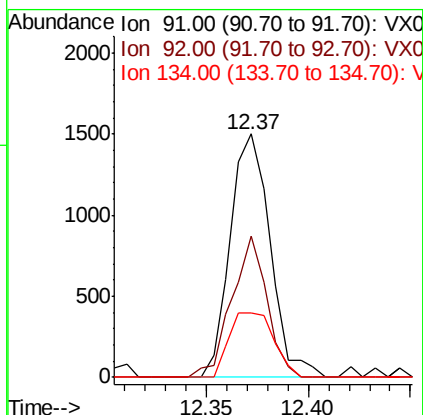
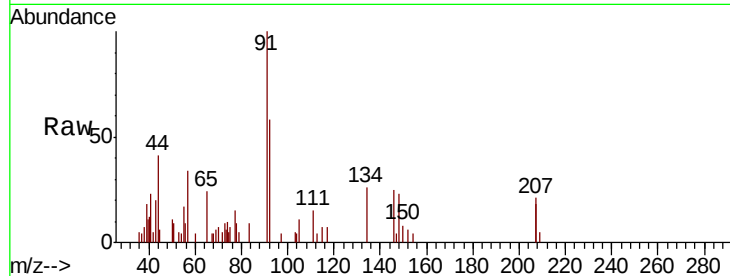




#89
n-Butylbenzene
Concen: 0.210 ug/l
RT: 12.37 min Scan# 1851
Delta R.T. -0.00 min
Lab File: VX017090.D
Acq: 01 Jul 2020 12:13

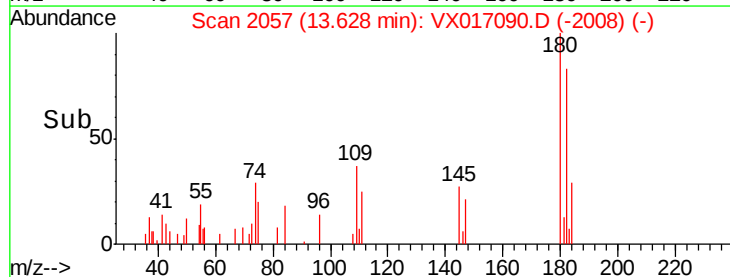
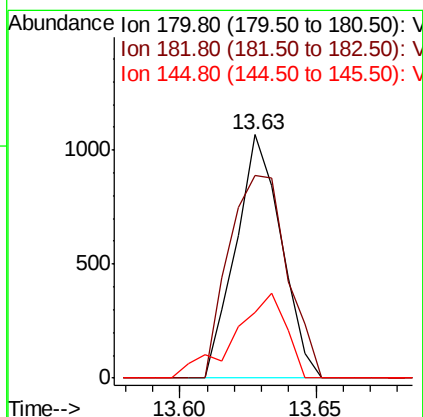
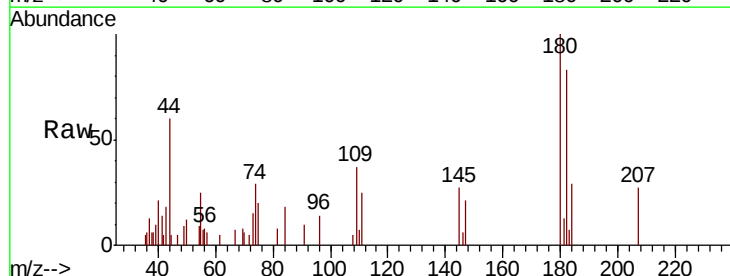
Instrument :
MSVOA_X
ClientSampleId :
40680DL

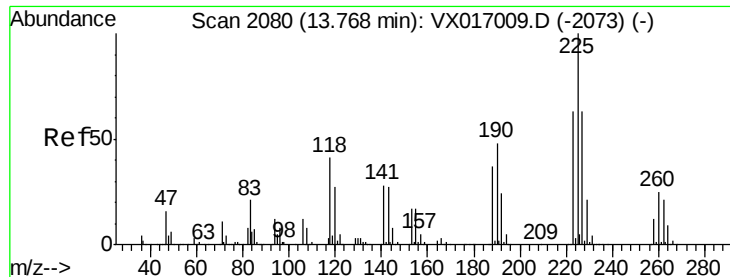
Tot Ion: 91 Resp: 2038
Ion Ratio Lower Upper
91 100
92 51.2 27.2 81.6
134 29.4 13.6 40.7



#93
1,2,4-Trichlorobenzene
Concen: 0.320 ug/l
RT: 13.63 min Scan# 2057
Delta R.T. -0.00 min
Lab File: VX017090.D
Acq: 01 Jul 2020 12:13

Tgt Ion: 180 Resp: 1239
Ion Ratio Lower Upper
180 100
182 106.6 47.3 141.9
145 39.5 15.4 46.2





#94

Hexachlorobutadiene

Concen: 1.294 ug/l

RT: 13.77 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX017090.D

Acq: 01 Jul 2020 12:13

Instrument :

MSVOA_X

ClientSampleID :

40680DL

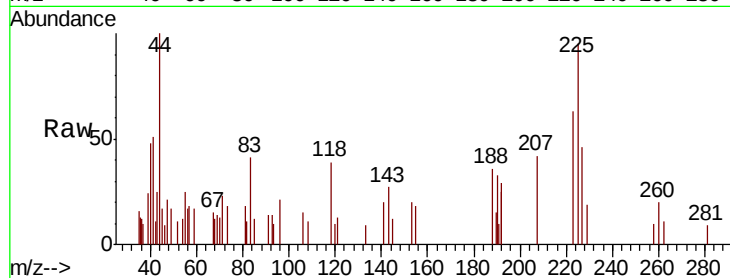
Tot Ion:225 Resp: 673

Ion Ratio Lower Upper

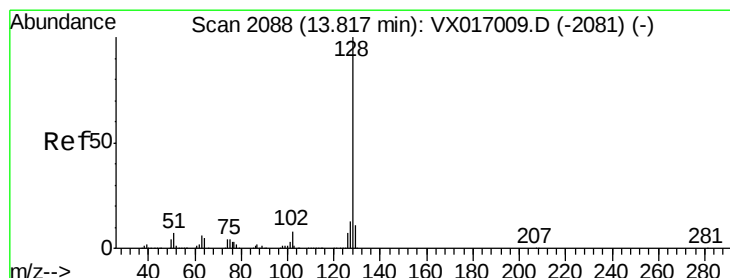
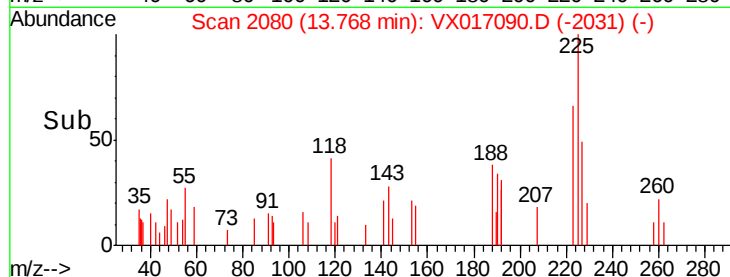
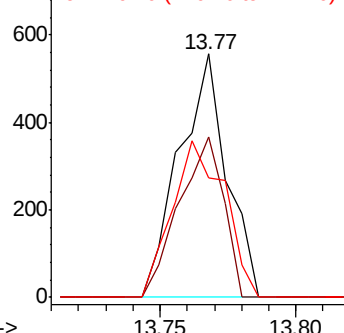
225 100

223 61.5 32.5 97.5

227 70.9 33.1 99.2



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



#95

Naphthalene

Concen: 0.224 ug/l

RT: 13.82 min Scan# 2088

Delta R.T. -0.00 min

Lab File: VX017090.D

Acq: 01 Jul 2020 12:13

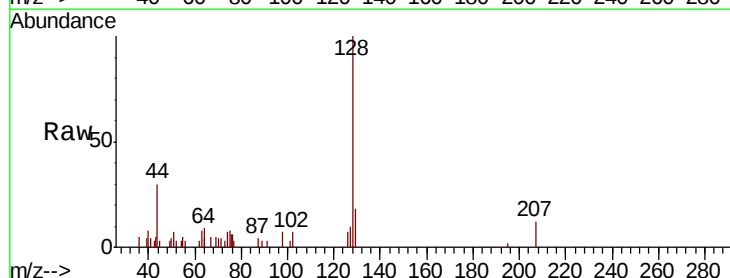
Tgt Ion:128 Resp: 2635

Ion Ratio Lower Upper

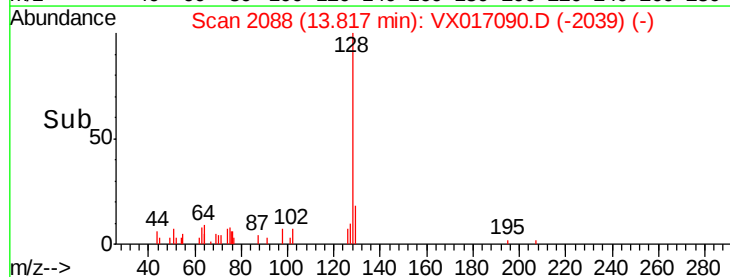
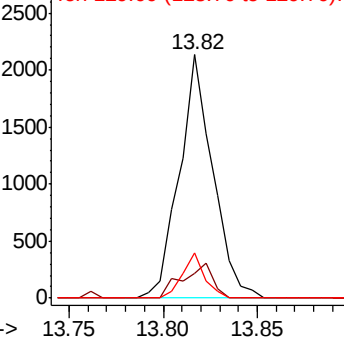
128 100

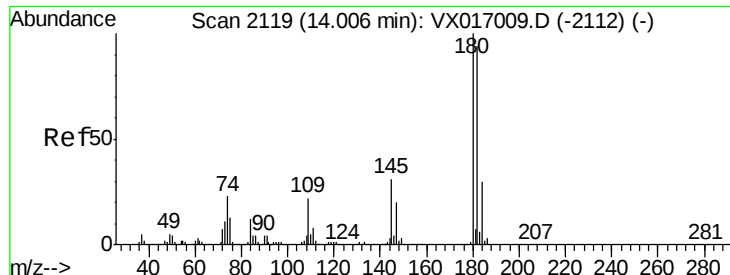
127 12.8 10.2 15.4

129 12.1 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

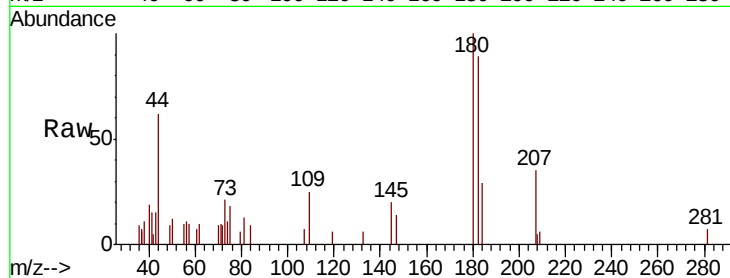




#96
 1,2,3-Trichlorobenzene
 Concen: 0.265 ug/l
 RT: 14.01 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VX017090.D
 Acq: 01 Jul 2020 12:13

Instrument :
 MSVOA_X
 ClientSampleId :
 40680DL

Tot Ion	Ratio	Lower	Upper
180	100		
182	111.3	47.1	141.4
145	39.5	16.6	49.7



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

