

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012323\
 Data File : VX033837.D
 Acq On : 23 Jan 2023 10:30
 Operator : JC/MD
 Sample : VX0123MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0123MBL01

Quant Time: Jan 24 00:35:23 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011123W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 11 14:48:42 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

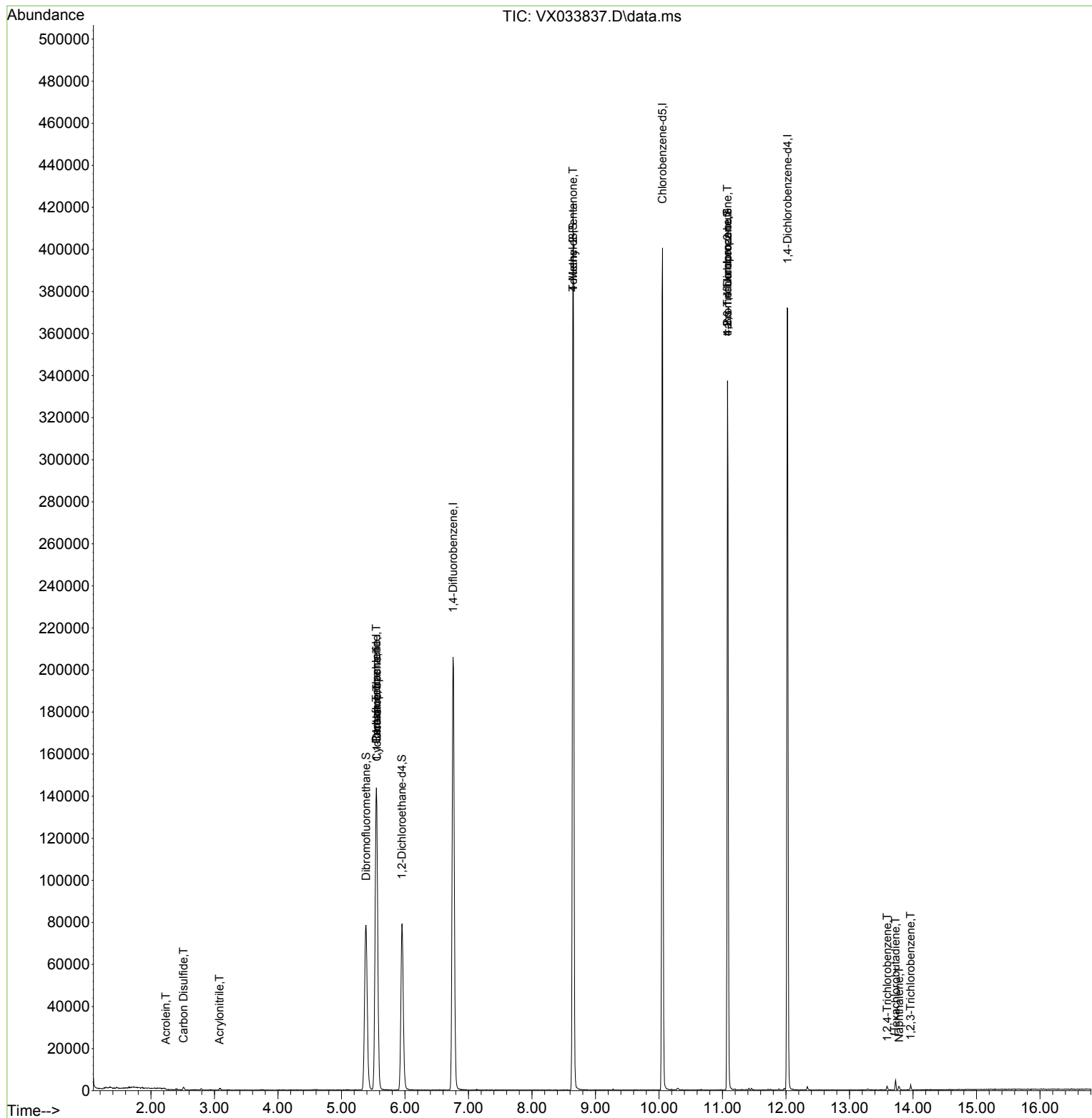
Internal Standards						
1) Pentafluorobenzene	5.550	168	156920	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	226759	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	197663	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	89596	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	74024	44.803	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	89.600%
35) Dibromofluoromethane	5.385	113	69979	49.699	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	99.400%
50) Toluene-d8	8.647	98	256271	49.953	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	99.900%
62) 4-Bromofluorobenzene	11.079	95	85029	44.640	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	89.280%
Target Compounds						
					Qvalue	
13) Acrolein	2.233	56	121	0.457	ug/l	87
15) Acrylonitrile	3.081	53	341	0.451	ug/l #	77
16) Acetone	2.392	43	245	Below Cal		91
17) Carbon Disulfide	2.514	76	1694	2.327	ug/l #	89
20) Methylene Chloride	2.788	84	262	Below Cal	#	65
31) Cyclohexane	5.556	56	2363	0.972	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	9212	4.483	ug/l #	48
37) Ethyl Acetate	4.611	43	112	Below Cal	#	68
38) Carbon Tetrachloride	5.550	117	13237	6.219	ug/l #	15
51) 4-Methyl-2-Pentanone	8.647	43	1016	0.510	ug/l #	1
64) Tetrachloroethene	9.275	164	62	Below Cal	#	42
73) Isopropylbenzene	10.964	105	192	Below Cal	#	48
75) 1,1,2,2-Tetrachloroethane	11.079	83	23	Below Cal	#	1
76) 1,2,3-Trichloropropane	11.079	75	39636	24.077	ug/l #	34
77) Bromobenzene	11.195	156	50	Below Cal	#	1
79) 2-Chlorotoluene	11.360	91	240	Below Cal		88
81) trans-1,4-Dichloro-2-b...	11.079	75	39636	74.830	ug/l #	8
82) 4-Chlorotoluene	11.457	91	442	Below Cal		83
93) 1,2,4-Trichlorobenzene	13.591	180	681	0.346	ug/l	96
94) Hexachlorobutadiene	13.725	225	726	0.753	ug/l	91
95) Naphthalene	13.780	128	1842	0.325	ug/l	97
96) 1,2,3-Trichlorobenzene	13.963	180	733	0.372	ug/l	98

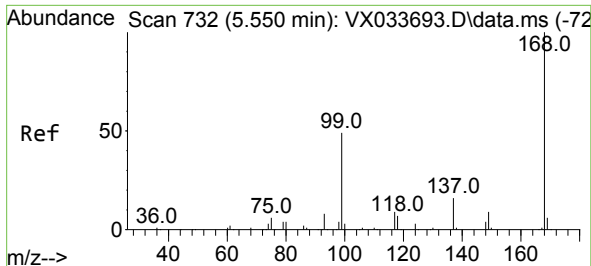
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jan 24 00:35:23 2023
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Quant Title : SW846 8260
QLast Update : Wed Jan 11 14:48:42 2023
Response via : Initial Calibration

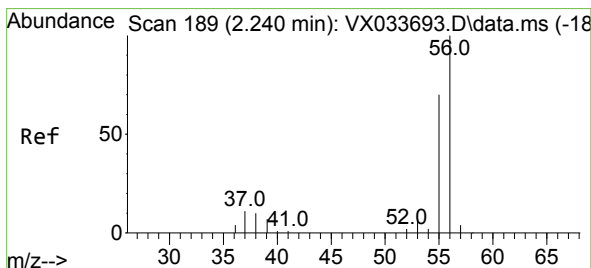
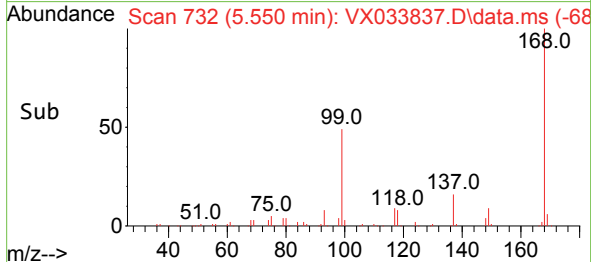
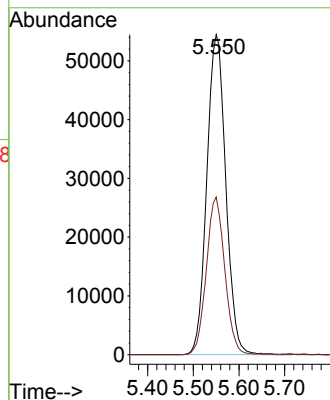
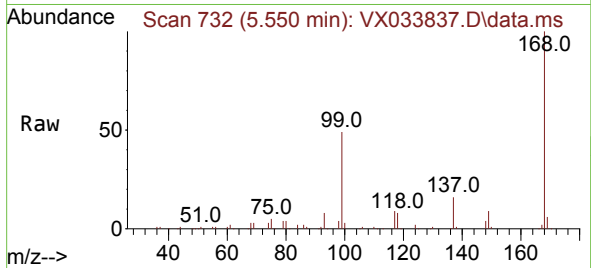




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX033837.D
Acq: 23 Jan 2023 10:30

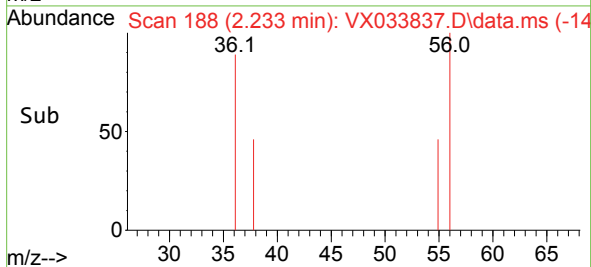
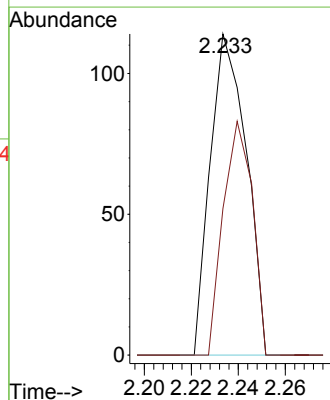
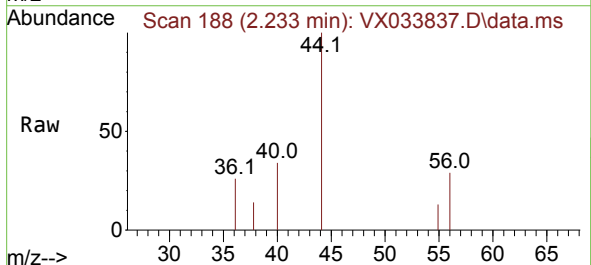
Instrument :
MSVOA_X
ClientSampleId :
VX0123MBL01

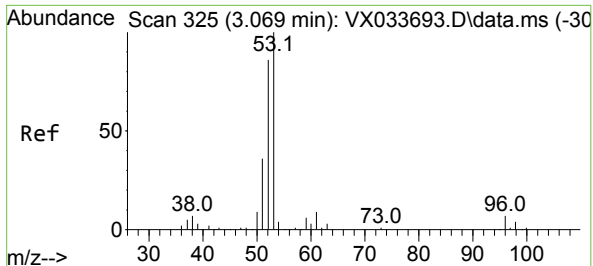
Tgt Ion:168 Resp: 156920
Ion Ratio Lower Upper
168 100
99 49.2 39.6 59.4



#13
Acrolein
Concen: 0.457 ug/l
RT: 2.233 min Scan# 188
Delta R.T. -0.006 min
Lab File: VX033837.D
Acq: 23 Jan 2023 10:30

Tgt Ion: 56 Resp: 121
Ion Ratio Lower Upper
56 100
55 59.5 56.3 84.5





#15

Acrylonitrile

Concen: 0.451 ug/l

RT: 3.081 min Scan# 31

Delta R.T. 0.012 min

Lab File: VX033837.D

Acq: 23 Jan 2023 10:30

Instrument :

MSVOA_X

ClientSampleId :

VX0123MBL01

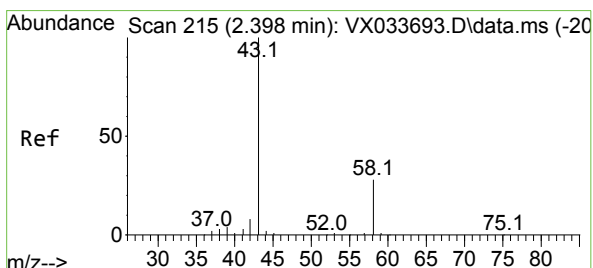
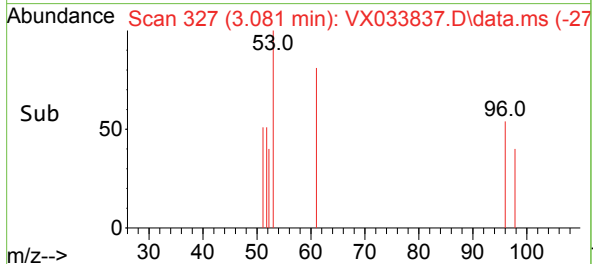
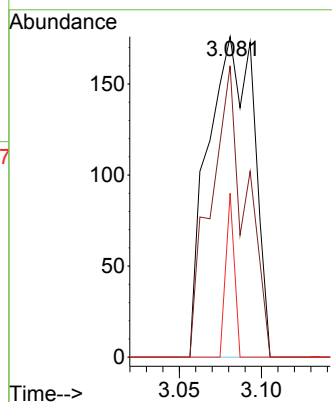
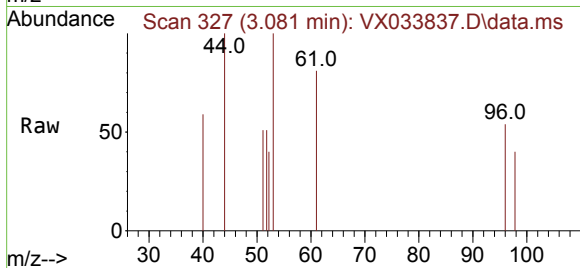
Tgt Ion: 53 Resp: 341

Ion Ratio Lower Upper

53 100

52 70.1 65.7 98.5

51 9.7 29.0 43.4#



#16

Acetone

Concen: Below Cal

RT: 2.392 min Scan# 214

Delta R.T. -0.006 min

Lab File: VX033837.D

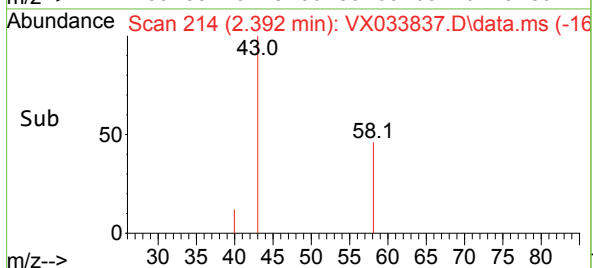
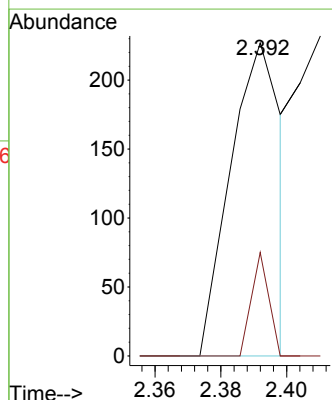
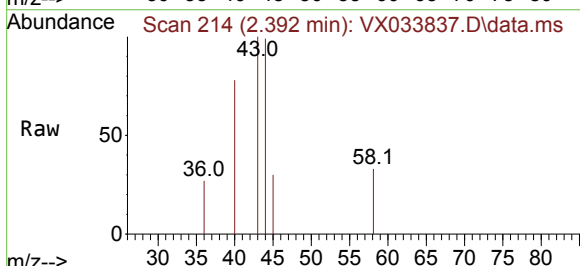
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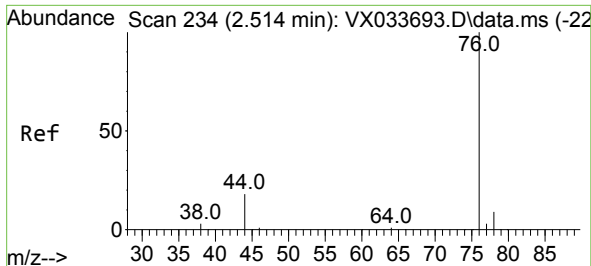
Tgt Ion: 43 Resp: 245

Ion Ratio Lower Upper

43 100

58 33.0 22.6 33.8





#17

Carbon Disulfide

Concen: 2.327 ug/l

RT: 2.514 min Scan# 21

Delta R.T. -0.000 min

Lab File: VX033837.D

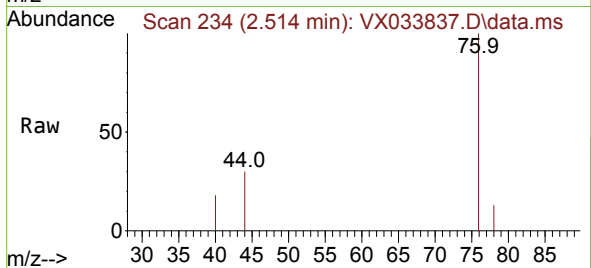
Acq: 23 Jan 2023 10:30

Instrument :

MSVOA_X

ClientSampleId :

VX0123MBL01

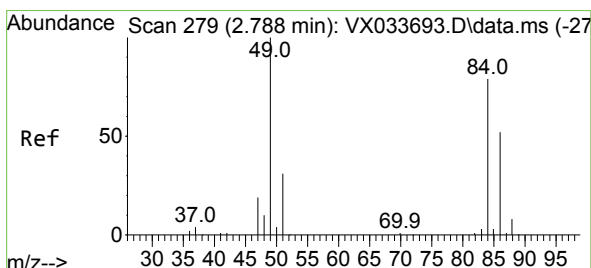
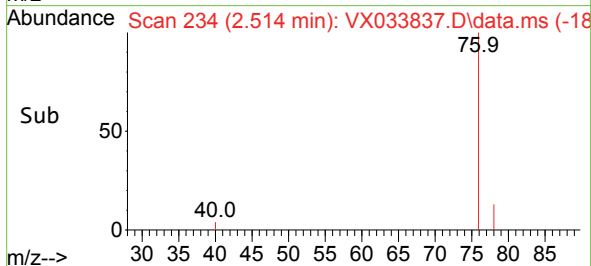
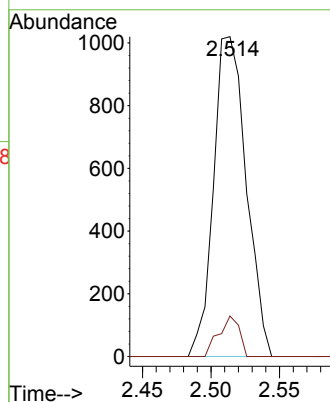


Tgt Ion: 76 Resp: 1694

Ion Ratio Lower Upper

76 100

78 12.6 7.0 10.6#



#20

Methylene Chloride

Concen: Below Cal

RT: 2.788 min Scan# 279

Delta R.T. 0.000 min

Lab File: VX033837.D

Acq: 23 Jan 2023 10:30

Tgt Ion: 84 Resp: 262

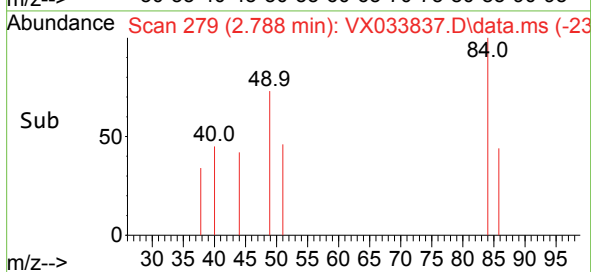
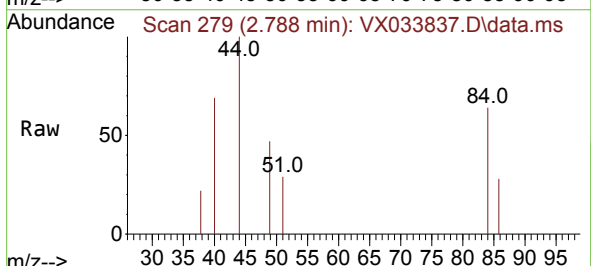
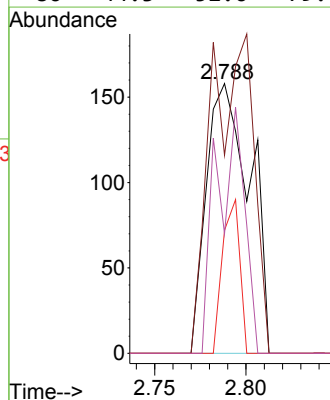
Ion Ratio Lower Upper

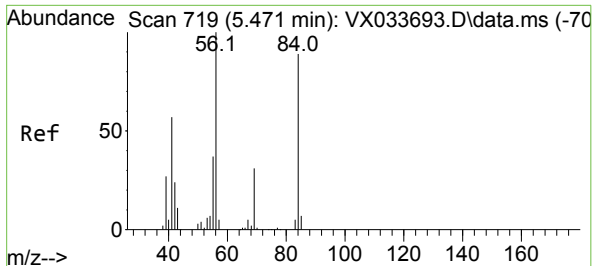
84 100

49 73.4 101.1 151.7#

51 45.6 31.0 46.6

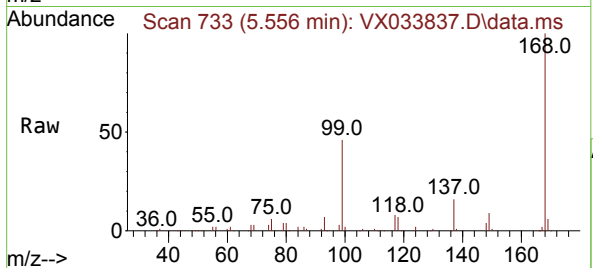
86 44.3 52.6 79.0#



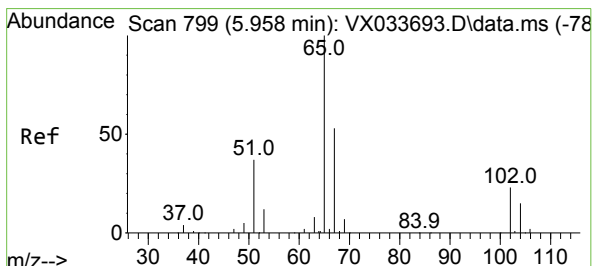
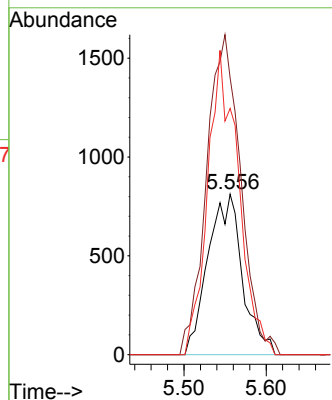
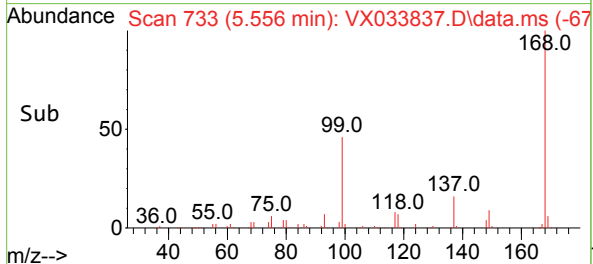


#31
Cyclohexane
Concen: 0.972 ug/l
RT: 5.556 min Scan# 719
Delta R.T. 0.085 min
Lab File: VX033837.D
Acq: 23 Jan 2023 10:30

Instrument :
MSVOA_X
ClientSampleId :
VX0123MBL01

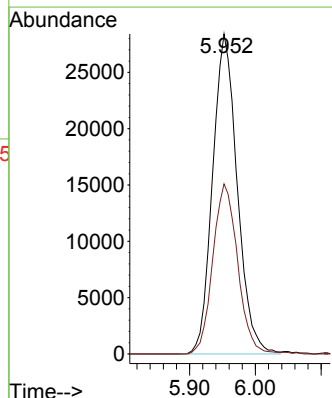
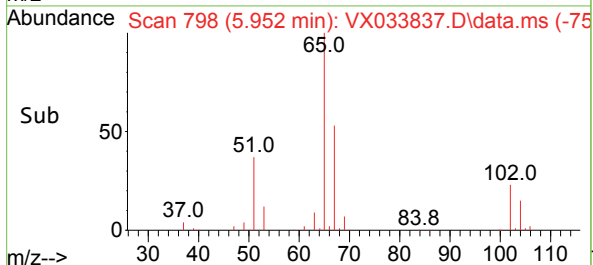
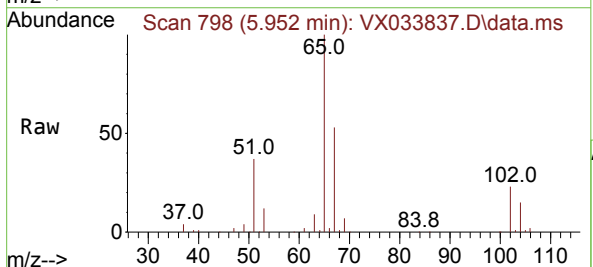


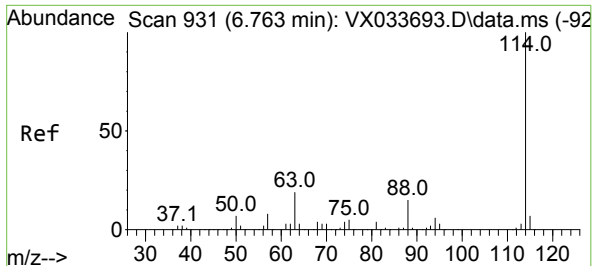
Tgt Ion: 56 Resp: 2363
Ion Ratio Lower Upper
56 100
69 172.4 24.6 37.0#
84 153.4 71.0 106.6#



#33
1,2-Dichloroethane-d4
Concen: 44.803 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.006 min
Lab File: VX033837.D
Acq: 23 Jan 2023 10:30

Tgt Ion: 65 Resp: 74024
Ion Ratio Lower Upper
65 100
67 53.8 0.0 104.8

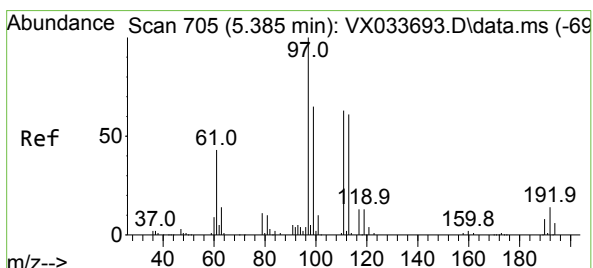
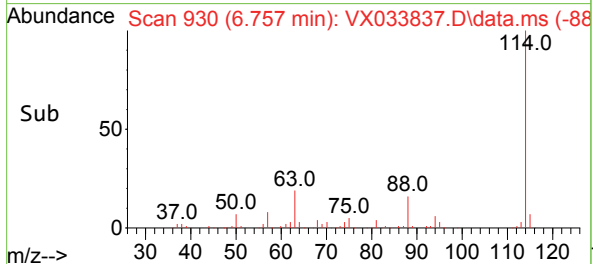
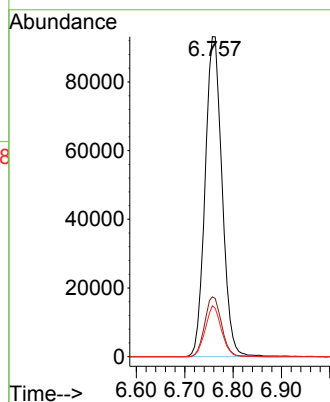
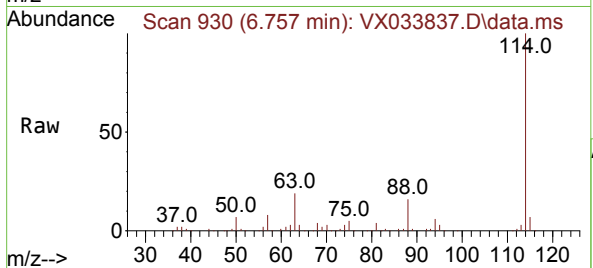




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 911
Delta R.T. -0.006 min
Lab File: VX033837.D
Acq: 23 Jan 2023 10:30

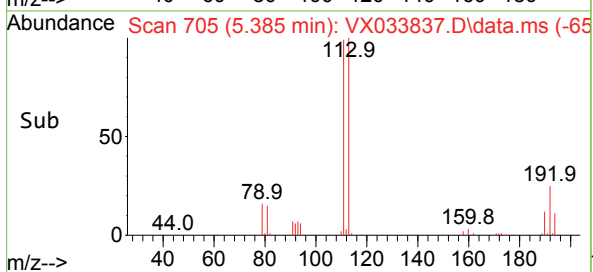
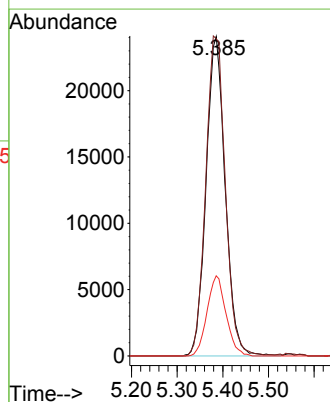
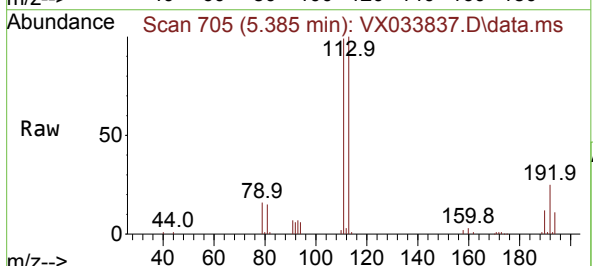
Instrument :
MSVOA_X
ClientSampleId :
VX0123MBL01

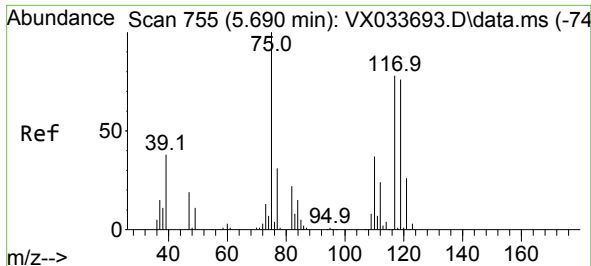
Tgt Ion:114 Resp: 226759
Ion Ratio Lower Upper
114 100
63 18.7 0.0 37.4
88 15.9 0.0 30.6



#35
Dibromofluoromethane
Concen: 49.699 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX033837.D
Acq: 23 Jan 2023 10:30

Tgt Ion:113 Resp: 69979
Ion Ratio Lower Upper
113 100
111 102.8 83.0 124.6
192 24.9 19.0 28.4

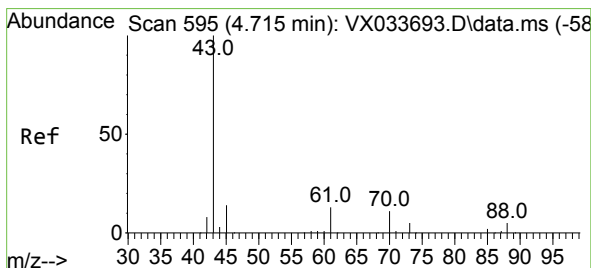
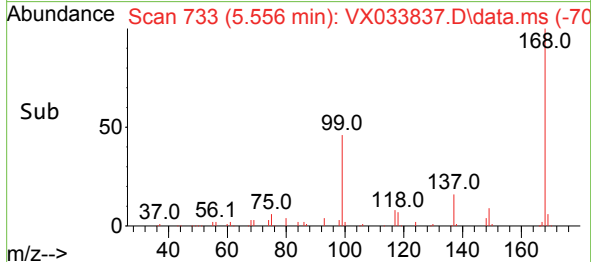
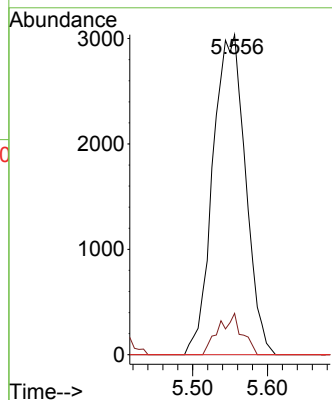
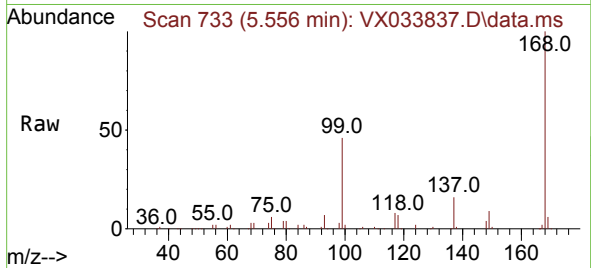




#36
1,1-Dichloropropene
Concen: 4.483 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX033837.D
Acq: 23 Jan 2023 10:30

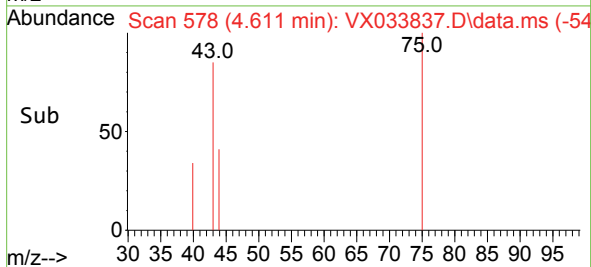
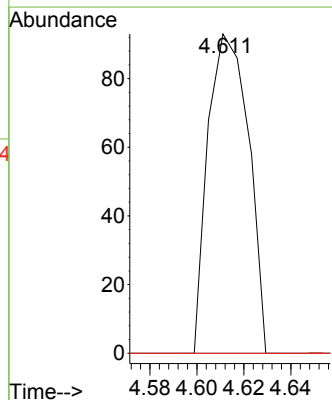
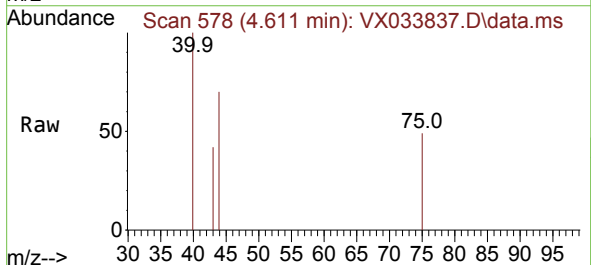
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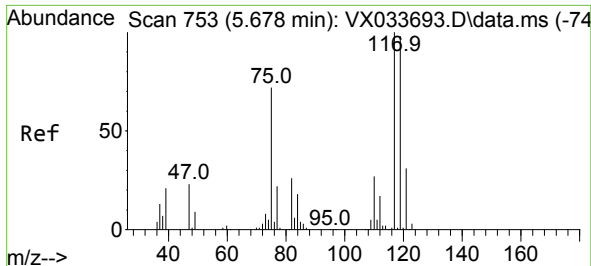
Tgt Ion: 75 Resp: 9212
Ion Ratio Lower Upper
75 100
110 9.3 18.8 56.4#
77 0.0 25.1 37.7#



#37
Ethyl Acetate
Concen: Below Cal
RT: 4.611 min Scan# 578
Delta R.T. -0.104 min
Lab File: VX033837.D
Acq: 23 Jan 2023 10:30

Tgt Ion: 43 Resp: 112
Ion Ratio Lower Upper
43 100
61 0.0 11.1 16.7#
70 0.0 8.5 12.7#

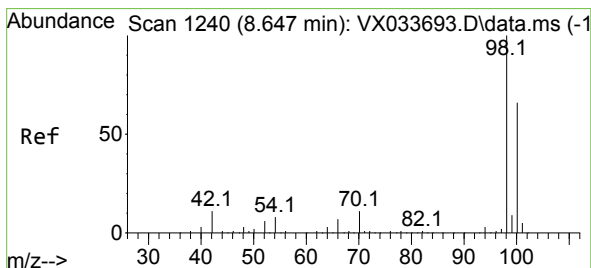
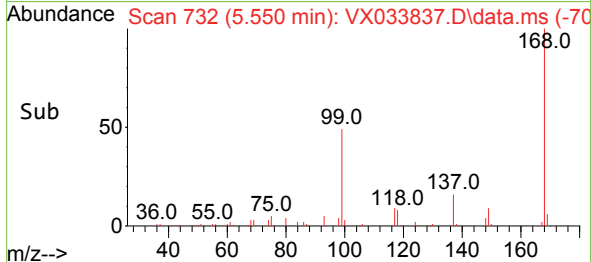
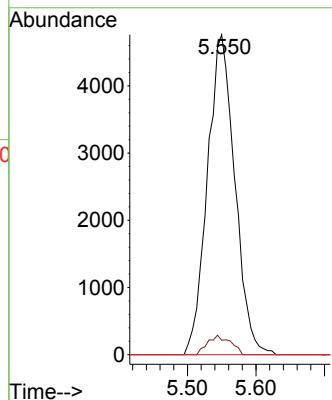
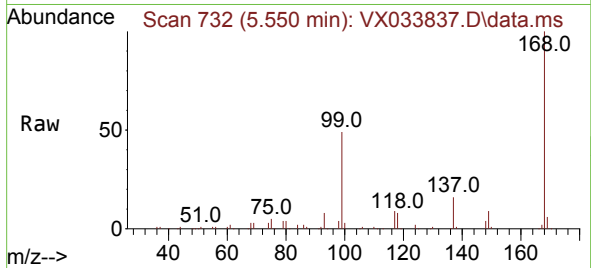




#38
Carbon Tetrachloride
Concen: 6.219 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX033837.D
Acq: 23 Jan 2023 10:30

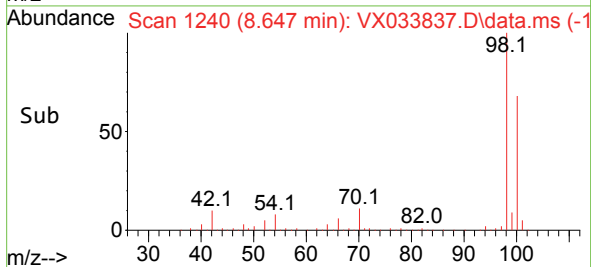
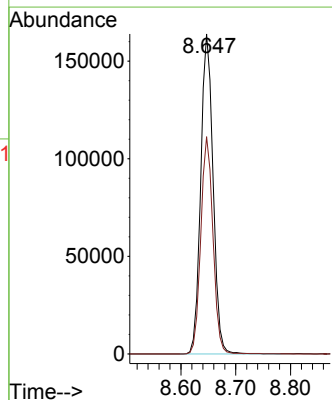
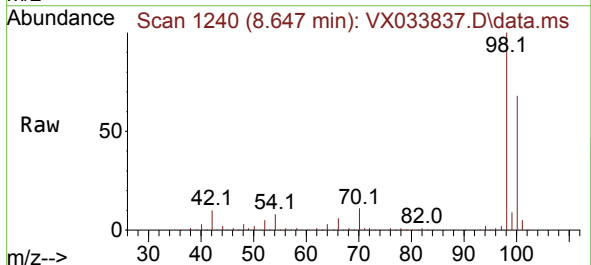
Instrument :
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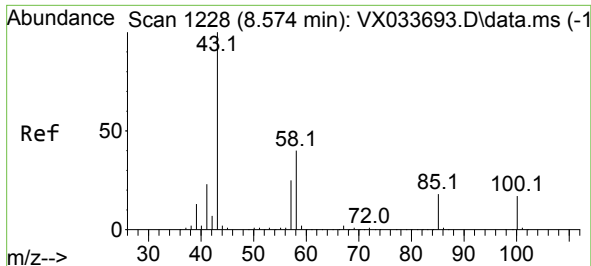
Tgt Ion:117 Resp: 13237
Ion Ratio Lower Upper
117 100
119 4.5 78.0 117.0#
121 0.0 24.4 36.6#



#50
Toluene-d8
Concen: 49.953 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX033837.D
Acq: 23 Jan 2023 10:30

Tgt Ion: 98 Resp: 256271
Ion Ratio Lower Upper
98 100
100 67.0 53.6 80.4

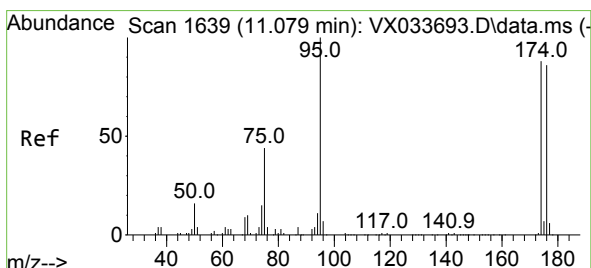
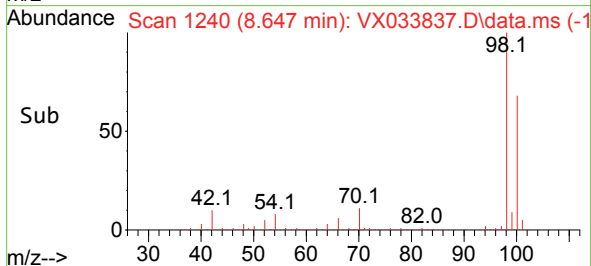
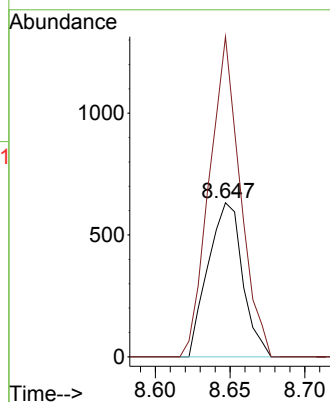
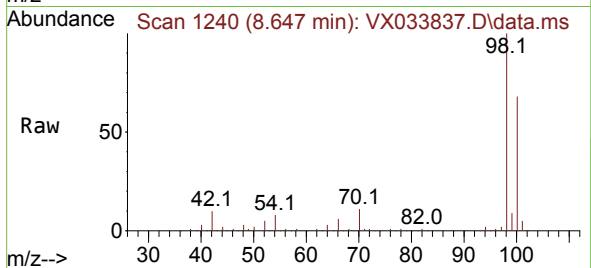




#51
4-Methyl-2-Pentanone
Concen: 0.510 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.073 min
Lab File: VX033837.D
Acq: 23 Jan 2023 10:30

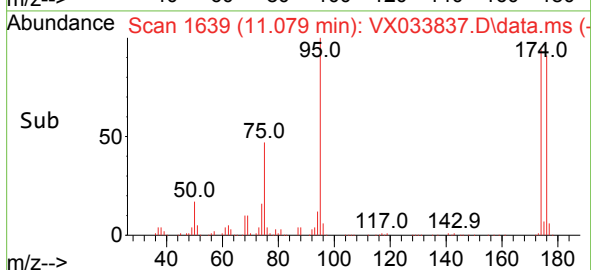
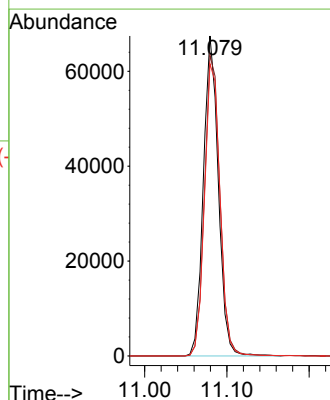
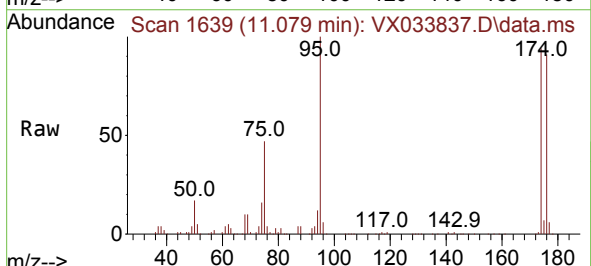
Instrument :
MSVOA_X
ClientSampleId :
VX0123MBL01

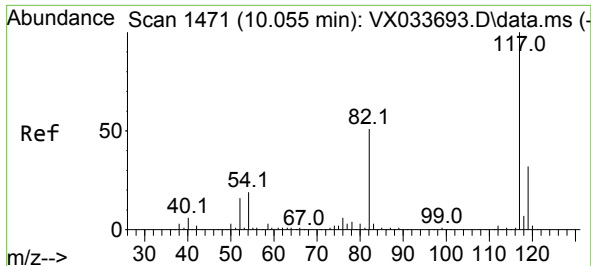
Tgt Ion: 43 Resp: 1016
Ion Ratio Lower Upper
43 100
58 186.1 31.2 46.8#



#62
4-Bromofluorobenzene
Concen: 44.640 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX033837.D
Acq: 23 Jan 2023 10:30

Tgt Ion: 95 Resp: 85029
Ion Ratio Lower Upper
95 100
174 97.1 0.0 184.4
176 95.0 0.0 178.8

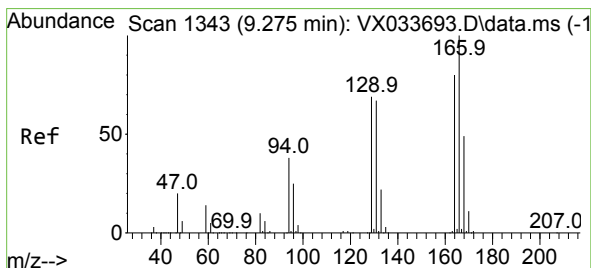
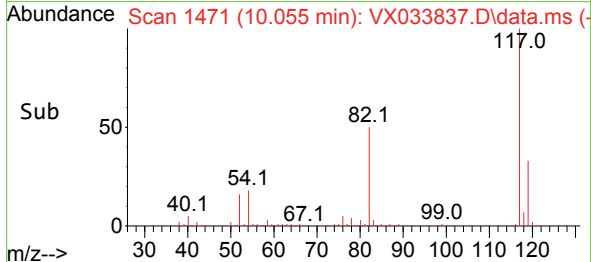
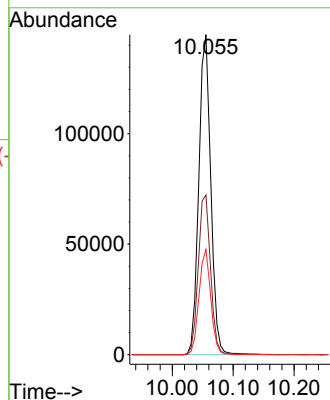
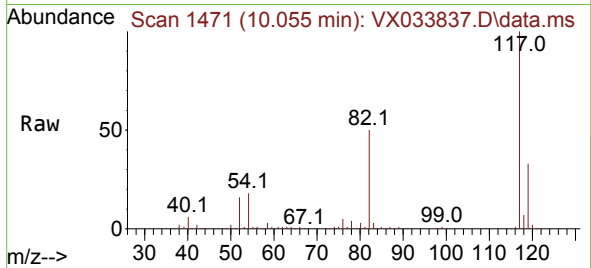




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX033837.D
Acq: 23 Jan 2023 10:30

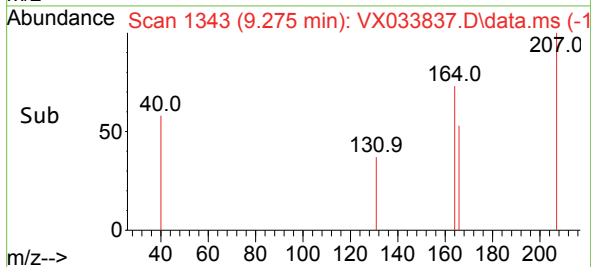
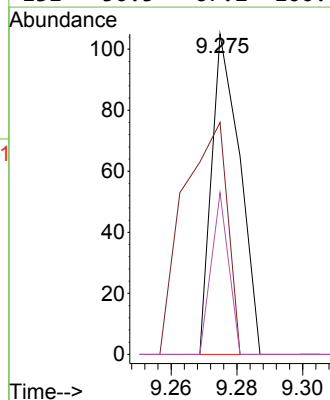
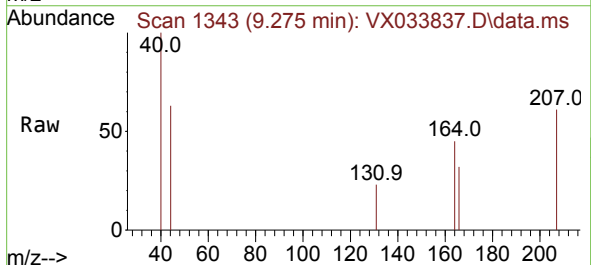
Instrument :
MSVOA_X
ClientSampleId :
VX0123MBL01

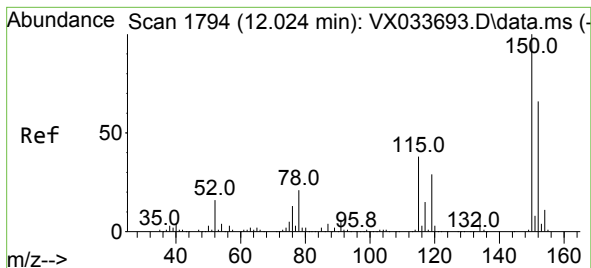
Tgt Ion:117 Resp: 197663
Ion Ratio Lower Upper
117 100
82 49.9 40.6 60.8
119 32.9 25.6 38.4



#64
Tetrachloroethene
Concen: Below Cal
RT: 9.275 min Scan# 1343
Delta R.T. -0.000 min
Lab File: VX033837.D
Acq: 23 Jan 2023 10:30

Tgt Ion:164 Resp: 62
Ion Ratio Lower Upper
164 100
166 72.4 100.2 150.2#
129 0.0 69.2 103.8#
131 50.5 67.2 100.8#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX033837.D

Acq: 23 Jan 2023 10:30

Instrument :

MSVOA_X

ClientSampleId :

VX0123MBL01

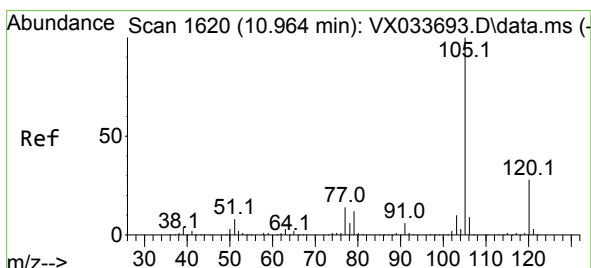
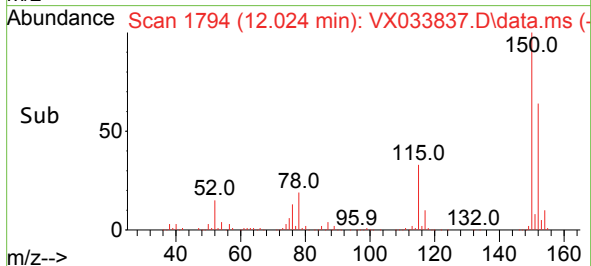
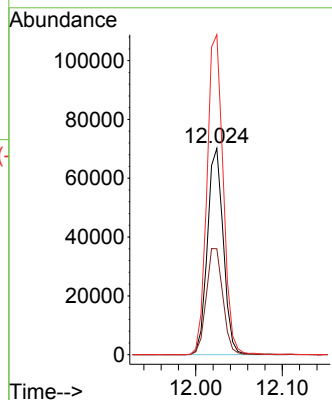
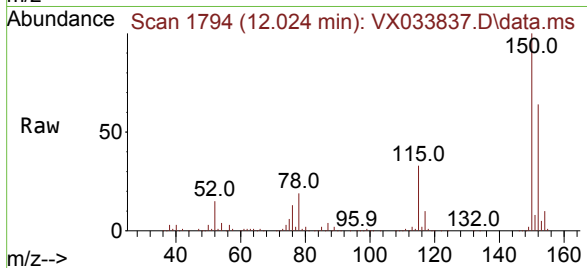
Tgt Ion:152 Resp: 89596

Ion Ratio Lower Upper

152 100

115 53.8 38.7 116.1

150 157.8 0.0 348.2



#73

Isopropylbenzene

Concen: Below Cal

RT: 10.964 min Scan# 1620

Delta R.T. -0.000 min

Lab File: VX033837.D

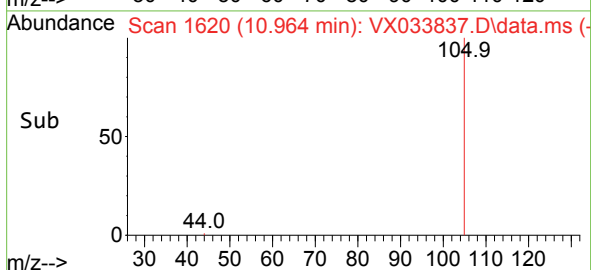
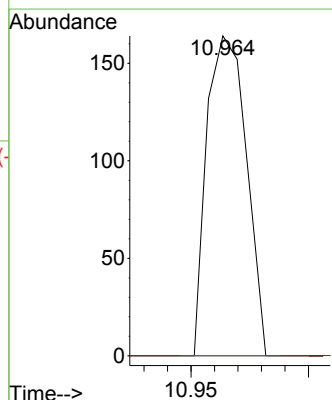
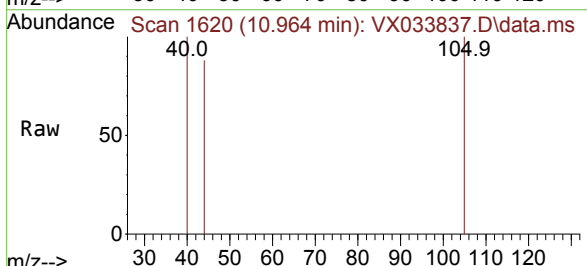
Acq: 23 Jan 2023 10:30

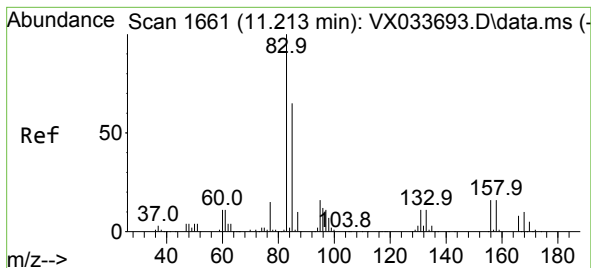
Tgt Ion:105 Resp: 192

Ion Ratio Lower Upper

105 100

120 0.0 13.6 40.8#





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 11.079 min Scan# 1639

Delta R.T. -0.134 min

Lab File: VX033837.D

Acq: 23 Jan 2023 10:30

Instrument :

MSVOA_X

ClientSampleId :

VX0123MBL01

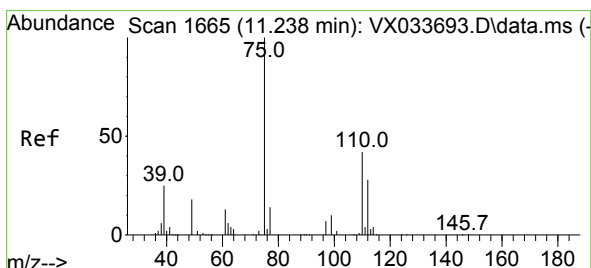
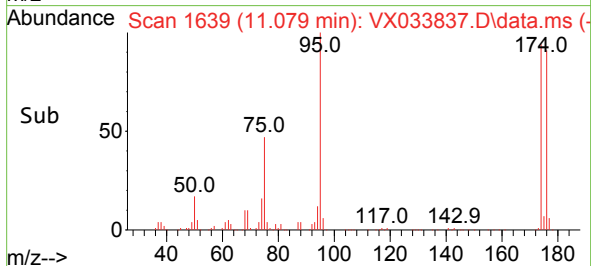
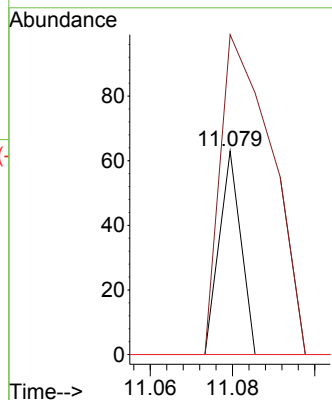
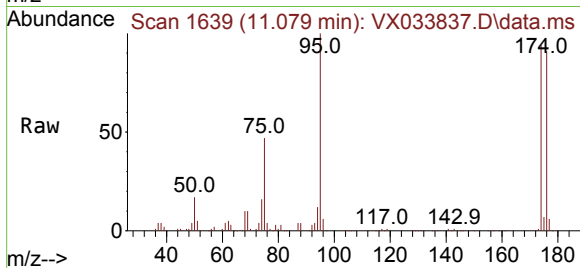
Tgt Ion: 83 Resp: 23

Ion Ratio Lower Upper

83 100

131 373.9 5.5 16.7#

85 0.0 32.3 96.9#



#76

1,2,3-Trichloropropane

Concen: 24.077 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX033837.D

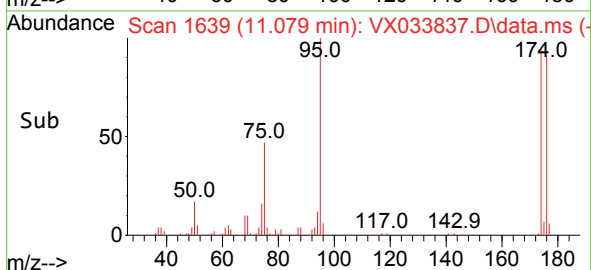
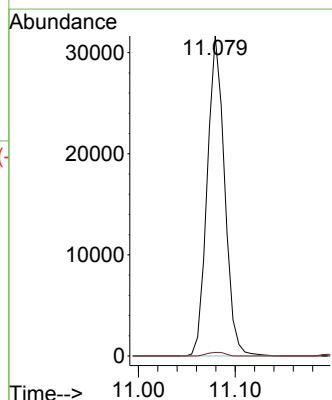
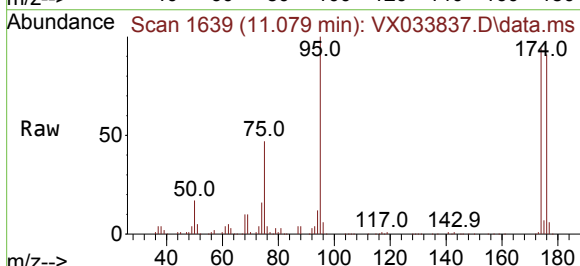
Acq: 23 Jan 2023 10:30

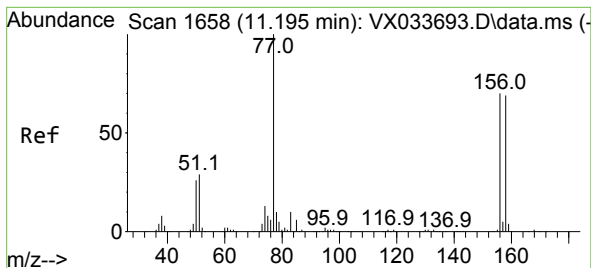
Tgt Ion: 75 Resp: 39636

Ion Ratio Lower Upper

75 100

77 1.2 21.8 65.4#





#77

Bromobenzene

Concen: Below Cal

RT: 11.195 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX033837.D

Acq: 23 Jan 2023 10:30

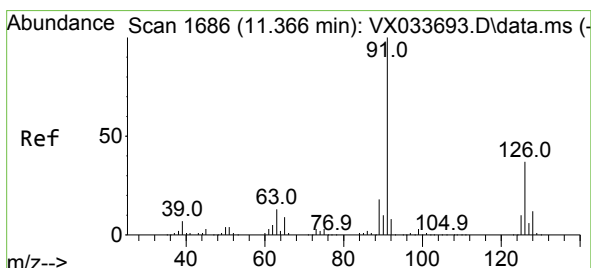
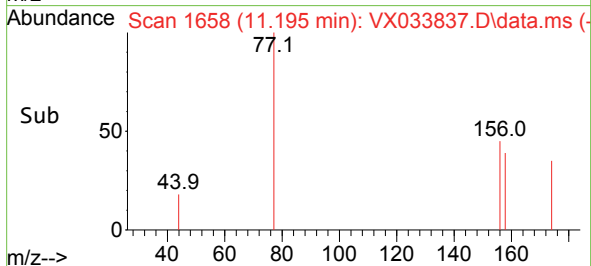
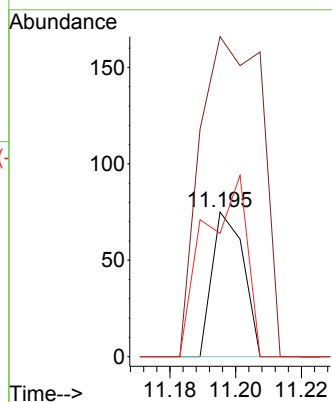
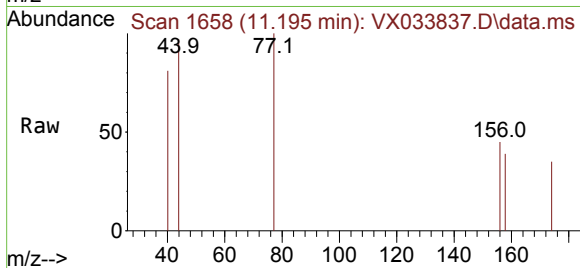
Instrument :

MSVOA_X

ClientSampleId :

VX0123MBL01

Tgt Ion:	156	Resp:	50
Ion	Ratio	Lower	Upper
156	100		
77	434.0	68.1	204.3#
158	168.0	48.0	144.2#



#79

2-Chlorotoluene

Concen: Below Cal

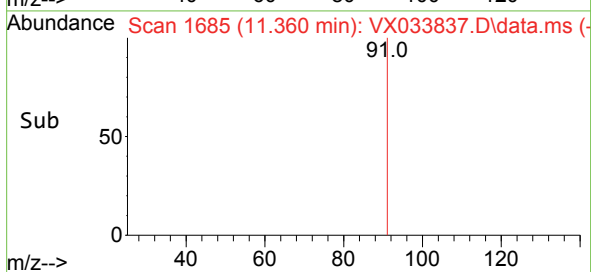
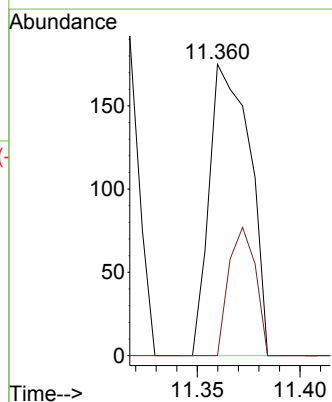
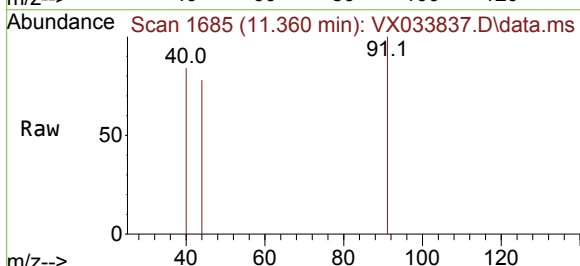
RT: 11.360 min Scan# 1685

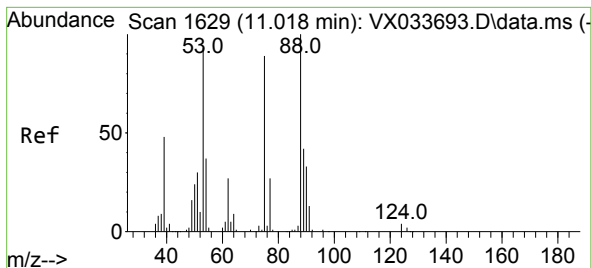
Delta R.T. -0.006 min

Lab File: VX033837.D

Acq: 23 Jan 2023 10:30

Tgt Ion:	91	Resp:	240
Ion	Ratio	Lower	Upper
91	100		
126	29.2	18.1	54.1

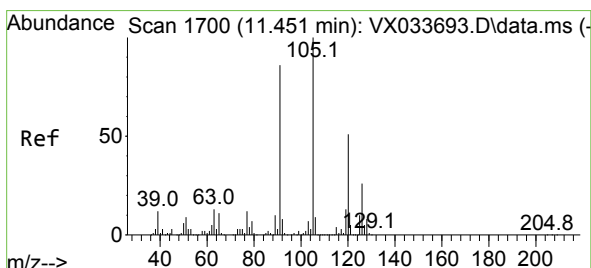
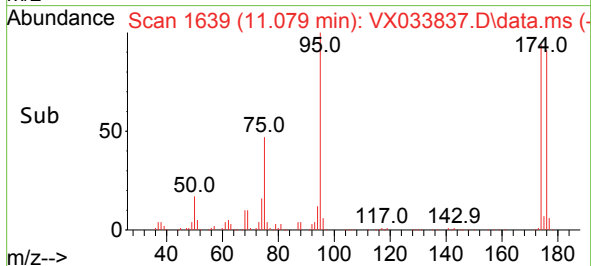
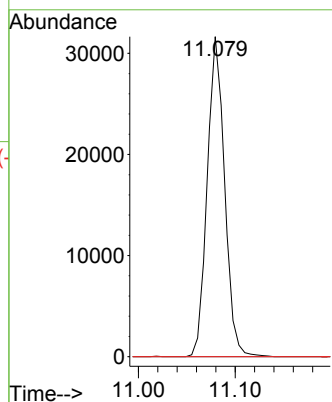
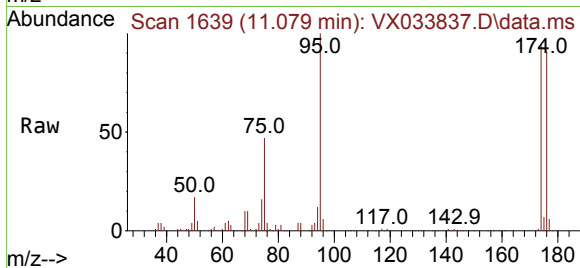




#81
trans-1,4-Dichloro-2-butene
Concen: 74.830 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX033837.D
Acq: 23 Jan 2023 10:30

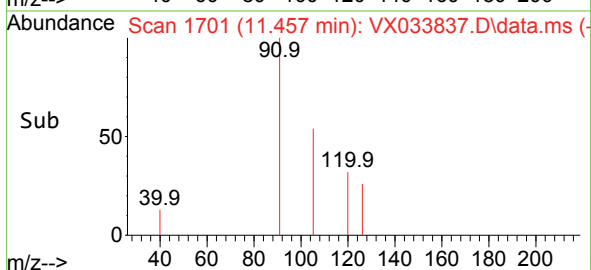
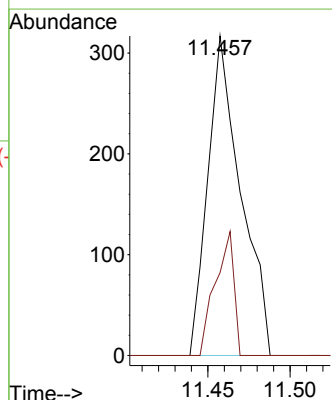
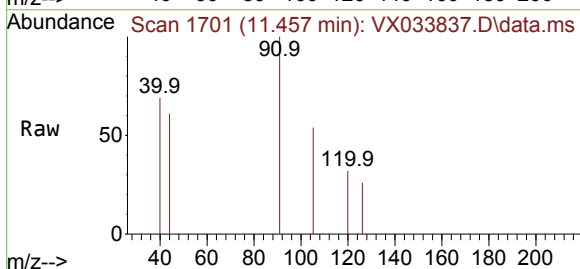
Instrument :
MSVOA_X
ClientSampleId :
VX0123MBL01

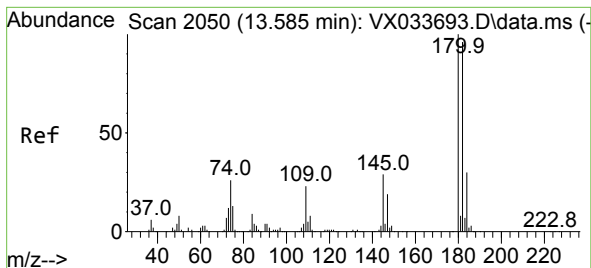
Tgt Ion: 75 Resp: 39636
Ion Ratio Lower Upper
75 100
53 0.0 83.0 124.6#
89 0.0 37.7 56.5#



#82
4-Chlorotoluene
Concen: Below Cal
RT: 11.457 min Scan# 1701
Delta R.T. 0.006 min
Lab File: VX033837.D
Acq: 23 Jan 2023 10:30

Tgt Ion: 91 Resp: 442
Ion Ratio Lower Upper
91 100
126 21.9 15.8 47.4





#93

1,2,4-Trichlorobenzene

Concen: 0.346 ug/l

RT: 13.591 min Scan# 2050

Delta R.T. 0.006 min

Lab File: VX033837.D

Acq: 23 Jan 2023 10:30

Instrument :

MSVOA_X

ClientSampleId :

VX0123MBL01

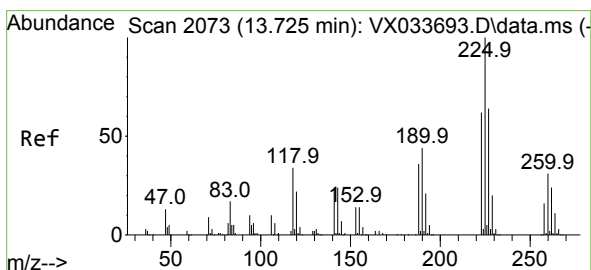
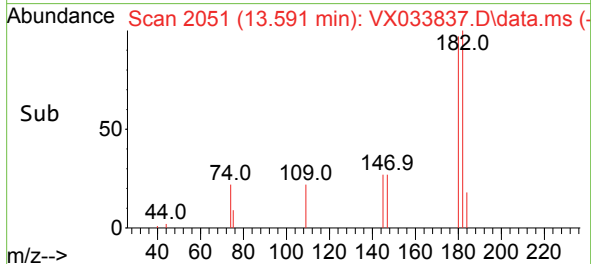
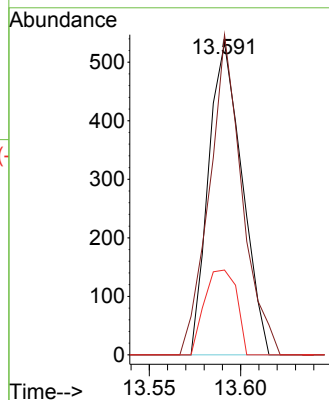
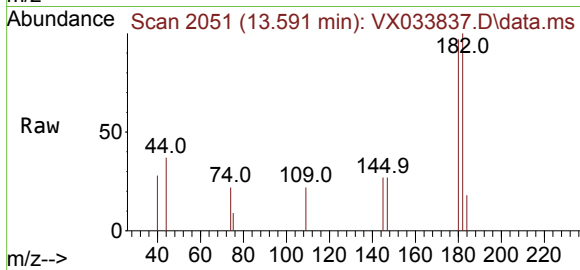
Tgt Ion:180 Resp: 681

Ion Ratio Lower Upper

180 100

182 100.1 47.9 143.6

145 26.1 14.1 42.2



#94

Hexachlorobutadiene

Concen: 0.753 ug/l

RT: 13.725 min Scan# 2073

Delta R.T. 0.000 min

Lab File: VX033837.D

Acq: 23 Jan 2023 10:30

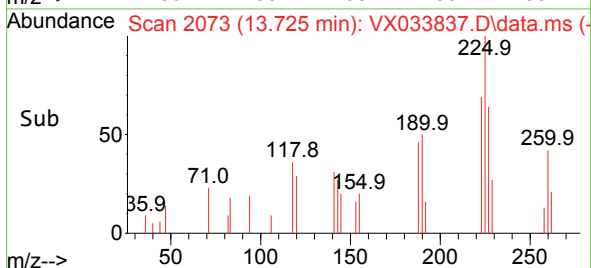
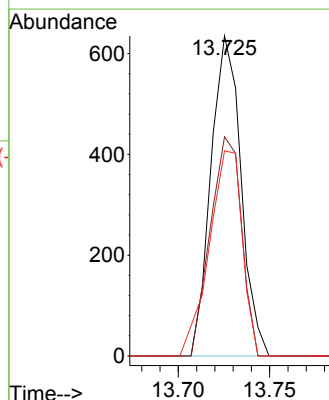
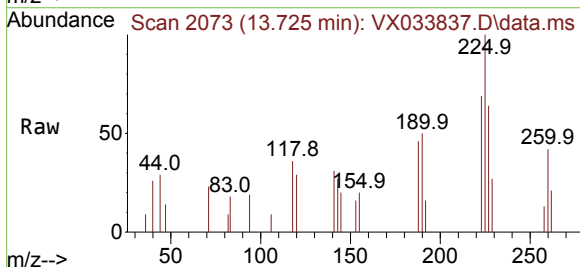
Tgt Ion:225 Resp: 726

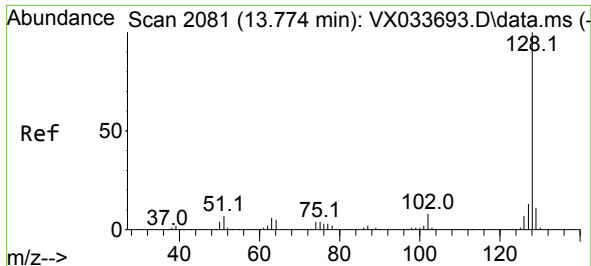
Ion Ratio Lower Upper

225 100

223 71.1 31.3 93.9

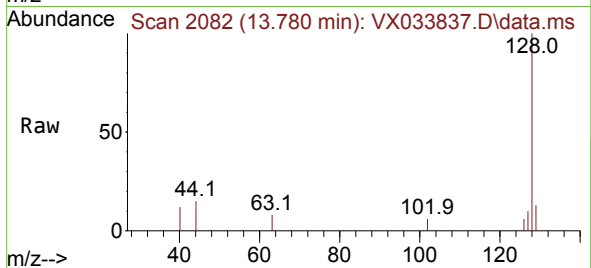
227 70.2 32.3 96.9



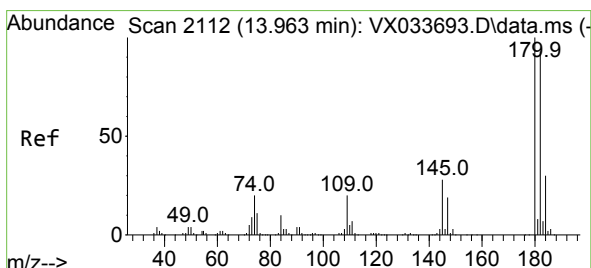
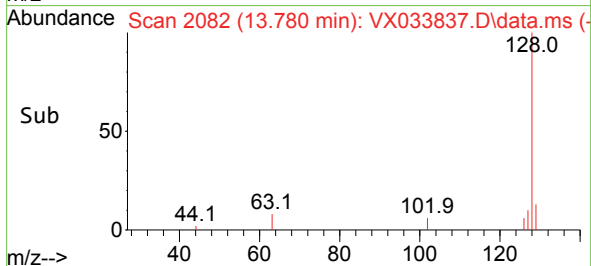
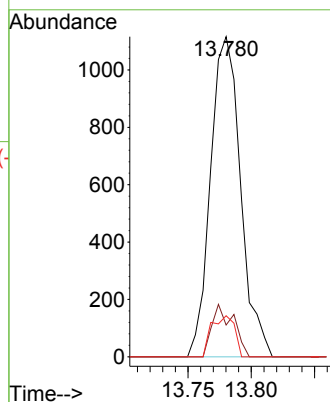


#95
Naphthalene
Concen: 0.325 ug/l
RT: 13.780 min Scan# 2081
Delta R.T. 0.006 min
Lab File: VX033837.D
Acq: 23 Jan 2023 10:30

Instrument :
MSVOA_X
ClientSampleId :
VX0123MBL01



Tgt Ion:128 Resp: 1842
Ion Ratio Lower Upper
128 100
127 11.7 10.3 15.5
129 9.8 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 0.372 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.000 min
Lab File: VX033837.D
Acq: 23 Jan 2023 10:30

Tgt Ion:180 Resp: 733
Ion Ratio Lower Upper
180 100
182 95.1 47.6 142.9
145 26.3 15.1 45.3

