

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011623\
 Data File : VX033743.D
 Acq On : 16 Jan 2023 12:02
 Operator : JC/MD
 Sample : VX0116WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0116MBL01

Quant Time: Jan 17 00:39:39 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)

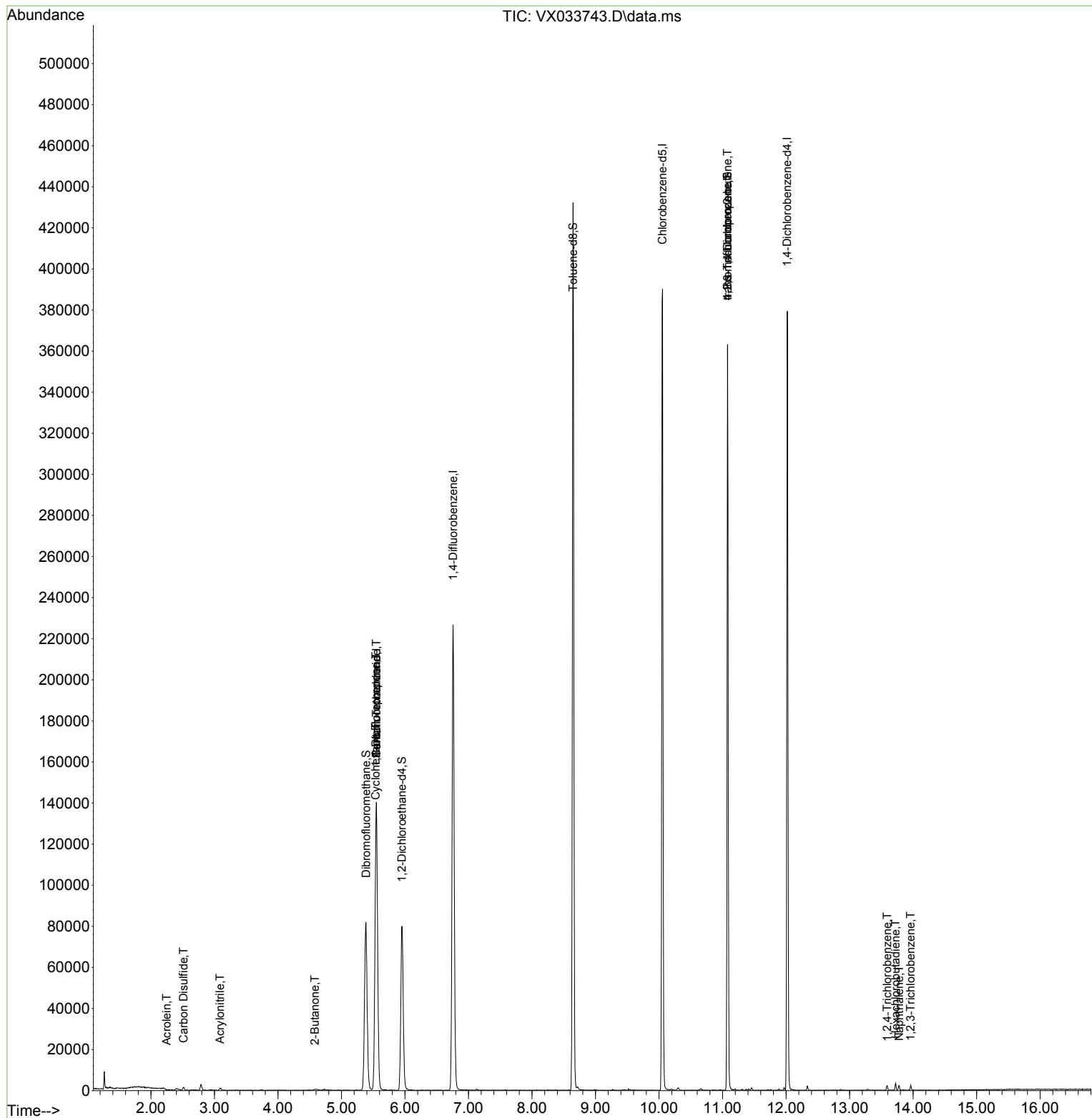
Internal Standards						
1) Pentafluorobenzene	5.550	168	140176	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	236203	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	180437	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	80630	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	79697	53.998	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 108.000%			
35) Dibromofluoromethane	5.385	113	69450	47.351	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 94.700%			
50) Toluene-d8	8.647	98	249352	46.661	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 93.320%			
62) 4-Bromofluorobenzene	11.079	95	89031	44.872	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 89.740%			
Target Compounds						
					Qvalue	
13) Acrolein	2.245	56	112	0.473	ug/l #	64
15) Acrylonitrile	3.087	53	398	0.590	ug/l #	75
16) Acetone	2.404	43	1454	Below Cal	#	80
17) Carbon Disulfide	2.514	76	1783	2.417	ug/l	100
20) Methylene Chloride	2.788	84	1181	Below Cal		91
25) 2-Butanone	4.580	43	278	0.288	ug/l #	51
31) Cyclohexane	5.538	56	2808	1.293	ug/l #	7
36) 1,1-Dichloropropene	5.544	75	9654	4.510	ug/l #	49
37) Ethyl Acetate	4.739	43	1285	Below Cal	#	68
38) Carbon Tetrachloride	5.550	117	13476	6.078	ug/l #	15
64) Tetrachloroethene	9.275	164	66	Below Cal	#	64
73) Isopropylbenzene	10.963	105	170	Below Cal	#	48
76) 1,2,3-Trichloropropane	11.079	75	45227	30.529	ug/l #	34
77) Bromobenzene	11.201	156	123	Below Cal		63
79) 2-Chlorotoluene	11.372	91	320	Below Cal		85
81) trans-1,4-Dichloro-2-b...	11.079	75	45227	94.880	ug/l #	8
82) 4-Chlorotoluene	11.463	91	615	Below Cal		97
93) 1,2,4-Trichlorobenzene	13.591	180	784	0.443	ug/l	99
94) Hexachlorobutadiene	13.725	225	631	0.727	ug/l	94
95) Naphthalene	13.780	128	2010	0.395	ug/l	98
96) 1,2,3-Trichlorobenzene	13.963	180	761	0.429	ug/l	97

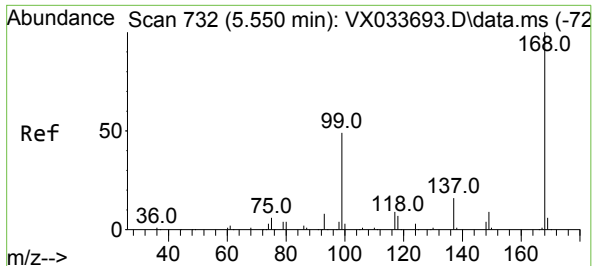
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_X
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Quant Time: Jan 17 00:39:39 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

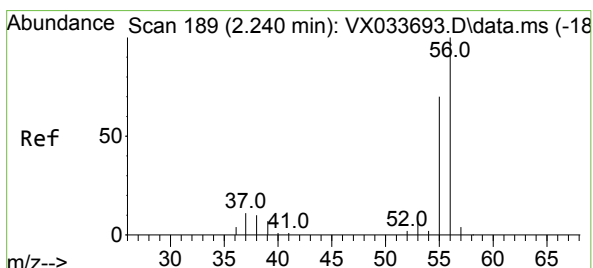
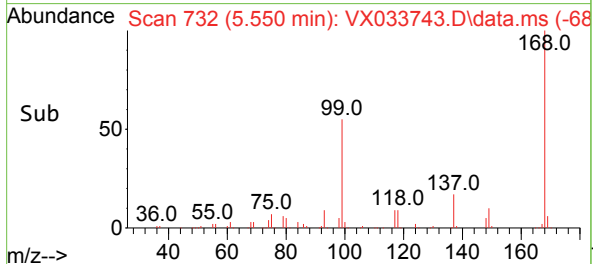
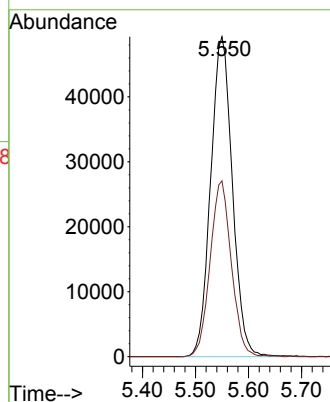
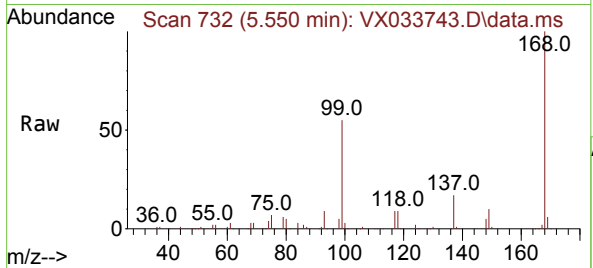




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX033743.D
Acq: 16 Jan 2023 12:02

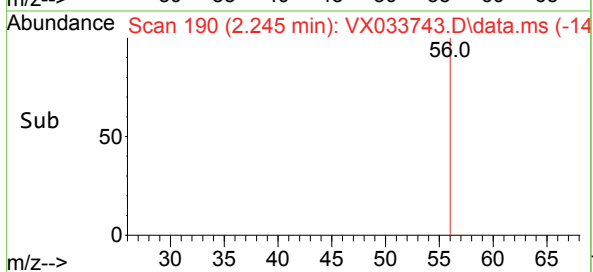
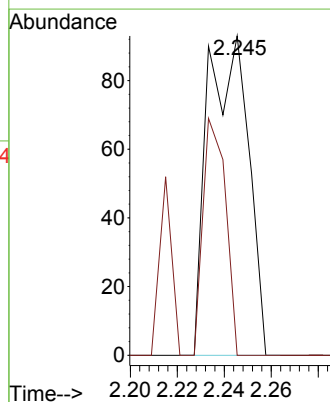
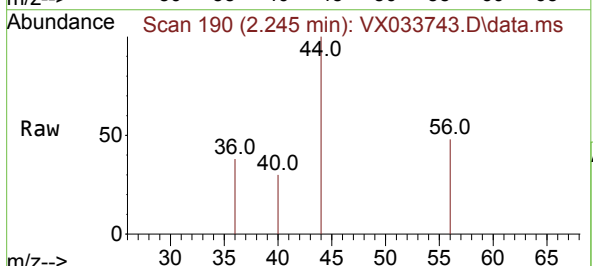
Instrument :
MSVOA_X
ClientSampleId :
VX0116MBL01

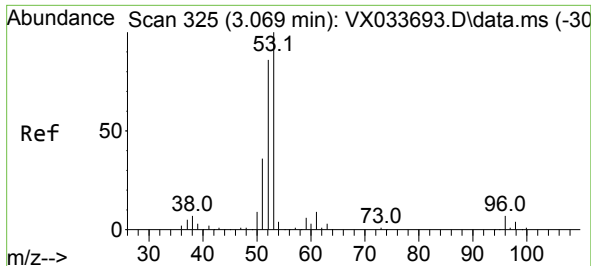
Tgt Ion:168 Resp: 140176
Ion Ratio Lower Upper
168 100
99 54.9 39.6 59.4



#13
Acrolein
Concen: 0.473 ug/l
RT: 2.245 min Scan# 190
Delta R.T. 0.006 min
Lab File: VX033743.D
Acq: 16 Jan 2023 12:02

Tgt Ion: 56 Resp: 112
Ion Ratio Lower Upper
56 100
55 41.1 56.3 84.5#





#15

Acrylonitrile

Concen: 0.590 ug/l

RT: 3.087 min Scan# 31

Delta R.T. 0.018 min

Lab File: VX033743.D

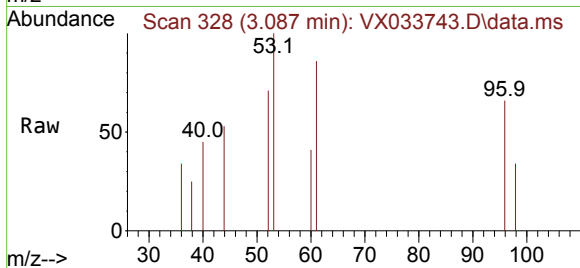
Acq: 16 Jan 2023 12:02

Instrument :

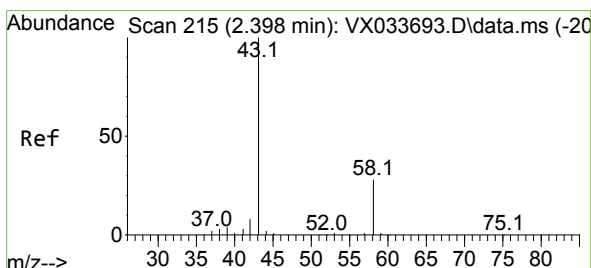
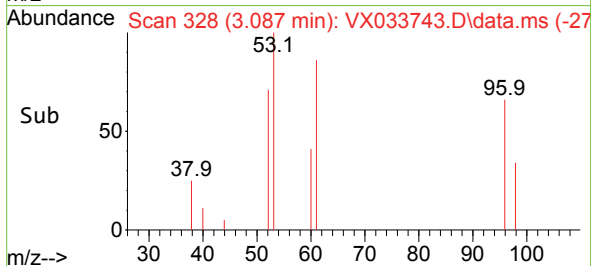
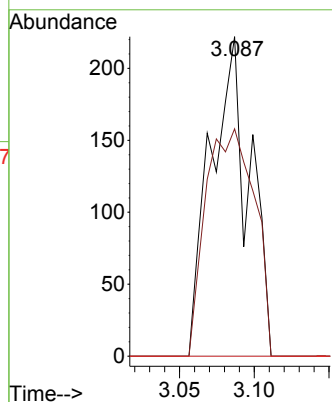
MSVOA_X

ClientSampleId :

VX0116MBL01



Tgt Ion: 53	Resp: 398
Ion Ratio	Lower Upper
53	100
52	89.9 65.7 98.5
51	0.0 29.0 43.4#



#16

Acetone

Concen: Below Cal

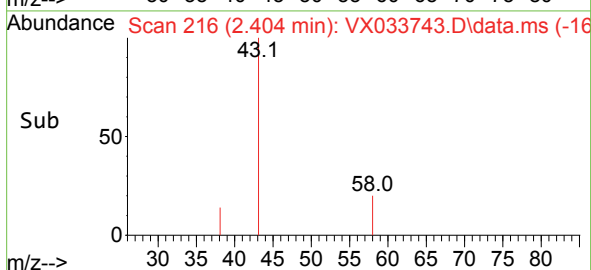
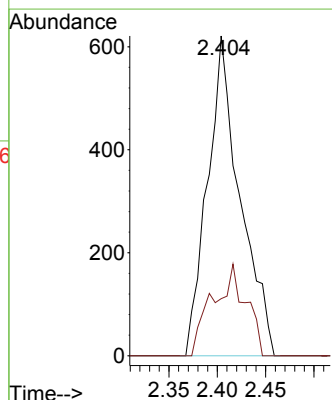
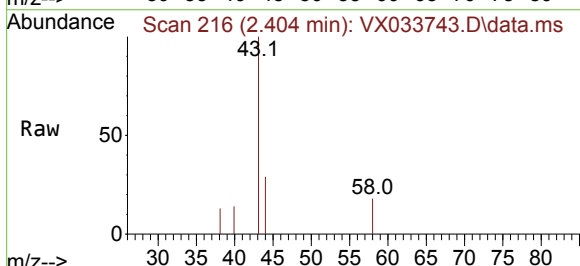
RT: 2.404 min Scan# 216

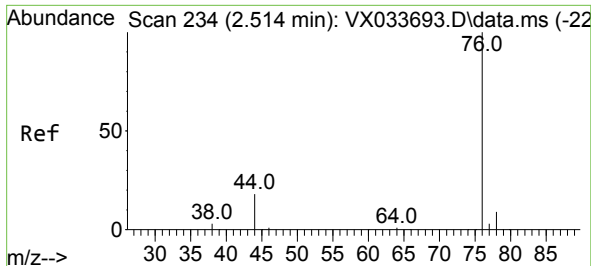
Delta R.T. 0.006 min

Lab File: VX033743.D

Acq: 16 Jan 2023 12:02

Tgt Ion: 43	Resp: 1454
Ion Ratio	Lower Upper
43	100
58	17.9 22.6 33.8#





#17

Carbon Disulfide

Concen: 2.417 ug/l

RT: 2.514 min Scan# 21

Delta R.T. -0.000 min

Lab File: VX033743.D

Acq: 16 Jan 2023 12:02

Instrument :

MSVOA_X

ClientSampleId :

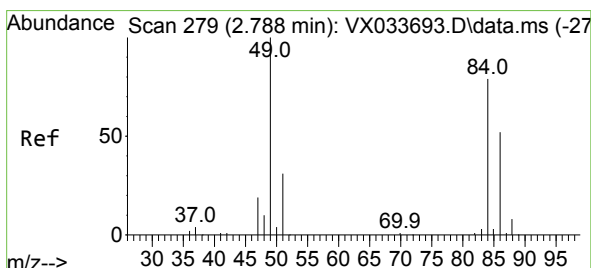
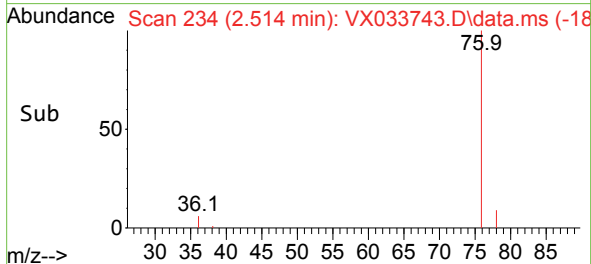
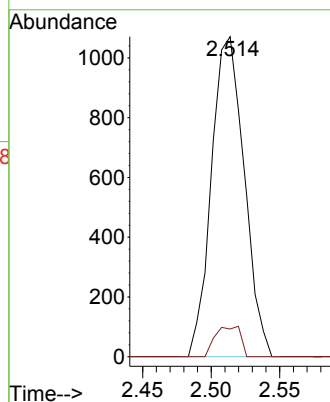
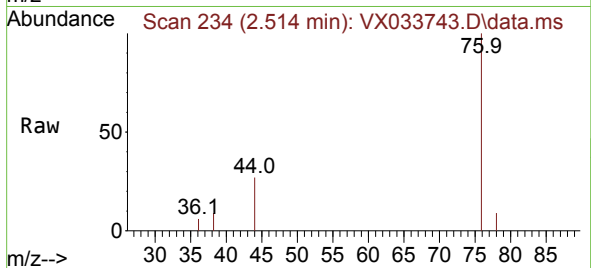
VX0116MBL01

Tgt Ion: 76 Resp: 1783

Ion Ratio Lower Upper

76 100

78 8.7 7.0 10.6



#20

Methylene Chloride

Concen: Below Cal

RT: 2.788 min Scan# 279

Delta R.T. 0.000 min

Lab File: VX033743.D

Acq: 16 Jan 2023 12:02

Tgt Ion: 84 Resp: 1181

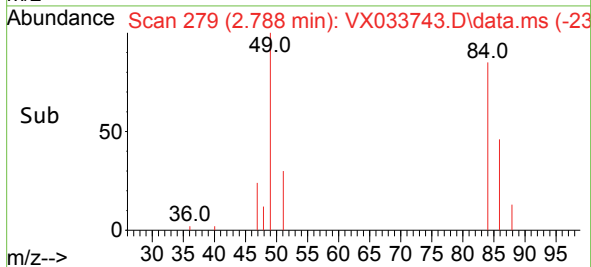
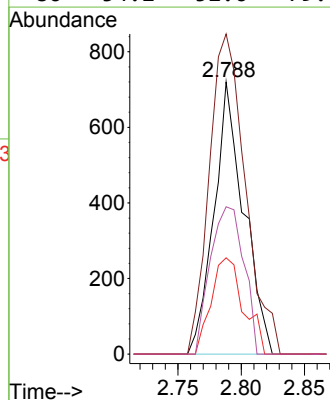
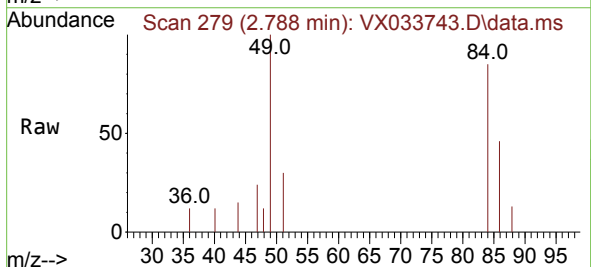
Ion Ratio Lower Upper

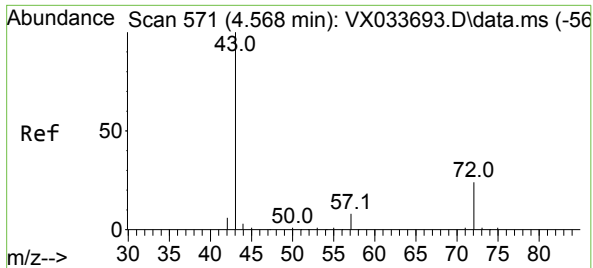
84 100

49 117.6 101.1 151.7

51 35.4 31.0 46.6

86 54.2 52.6 79.0

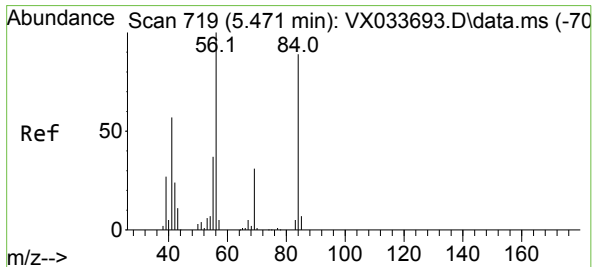
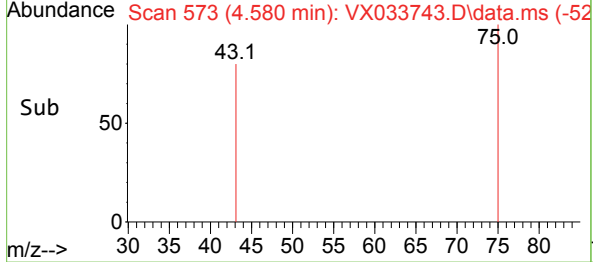
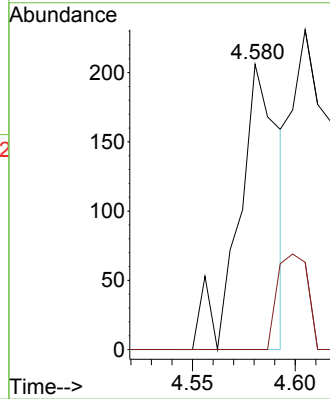
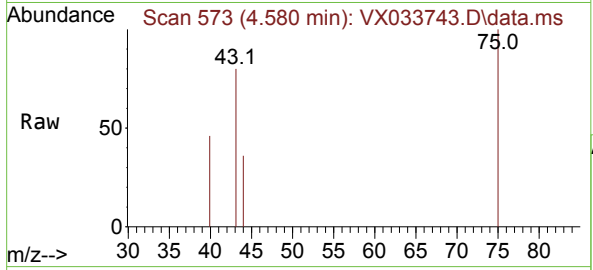




#25
2-Butanone
Concen: 0.288 ug/l
RT: 4.580 min Scan# 51
Delta R.T. 0.012 min
Lab File: VX033743.D
Acq: 16 Jan 2023 12:02

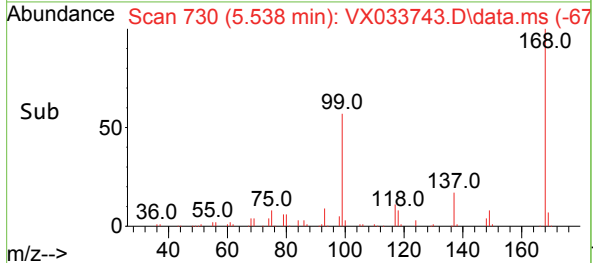
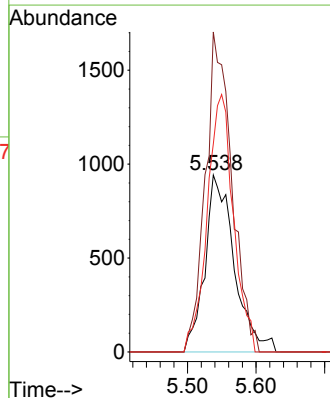
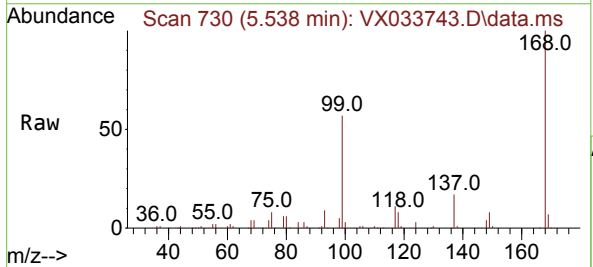
Instrument :
MSVOA_X
ClientSampleId :
VX0116MBL01

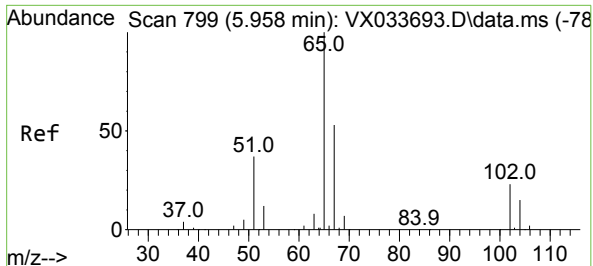
Tgt Ion: 43 Resp: 278
Ion Ratio Lower Upper
43 100
72 0.0 19.4 29.2#



#31
Cyclohexane
Concen: 1.293 ug/l
RT: 5.538 min Scan# 730
Delta R.T. 0.067 min
Lab File: VX033743.D
Acq: 16 Jan 2023 12:02

Tgt Ion: 56 Resp: 2808
Ion Ratio Lower Upper
56 100
69 180.9 24.6 37.0#
84 117.6 71.0 106.6#





#33

1,2-Dichloroethane-d4

Concen: 53.998 ug/l

RT: 5.952 min Scan# 79

Delta R.T. -0.006 min

Lab File: VX033743.D

Acq: 16 Jan 2023 12:02

Instrument :

MSVOA_X

ClientSampleId :

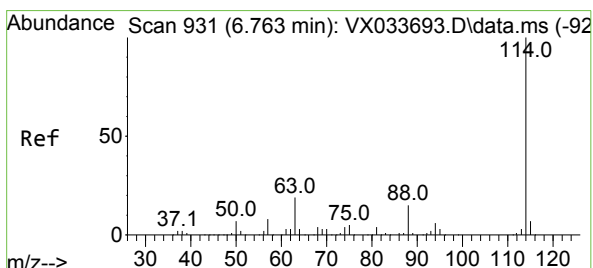
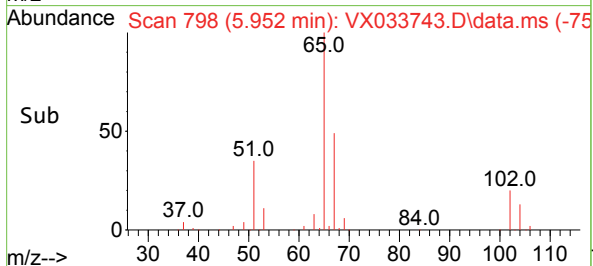
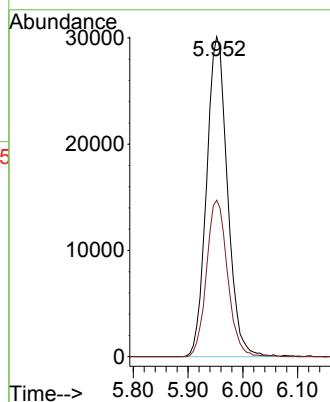
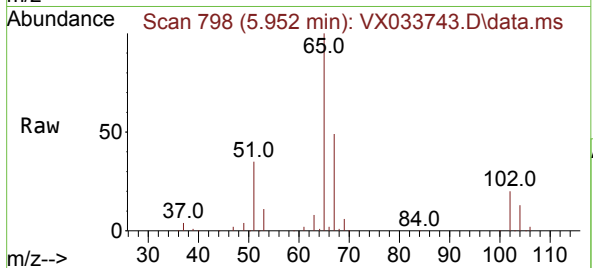
VX0116MBL01

Tgt Ion: 65 Resp: 79697

Ion Ratio Lower Upper

65 100

67 49.3 0.0 104.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.006 min

Lab File: VX033743.D

Acq: 16 Jan 2023 12:02

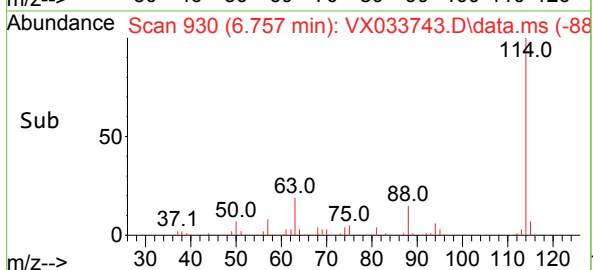
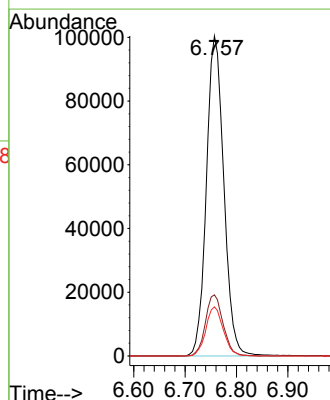
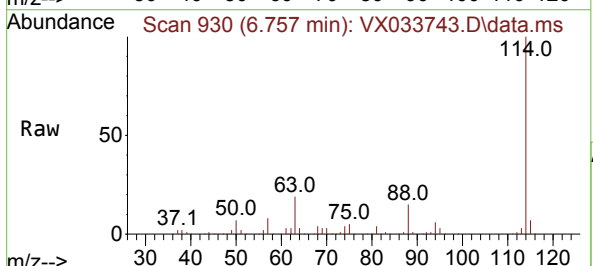
Tgt Ion:114 Resp: 236203

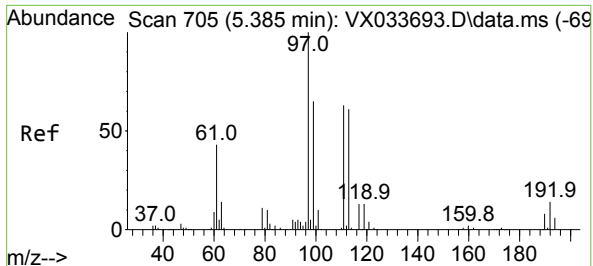
Ion Ratio Lower Upper

114 100

63 19.1 0.0 37.4

88 15.3 0.0 30.6

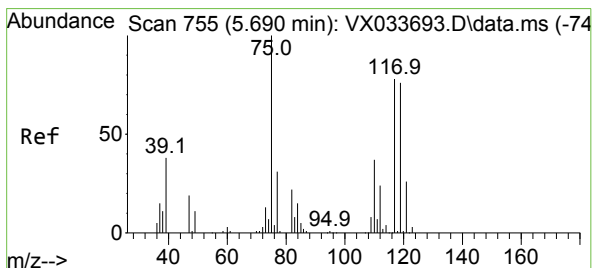
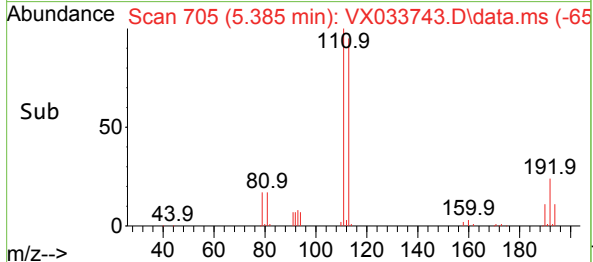
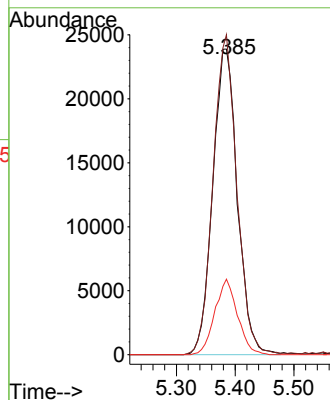
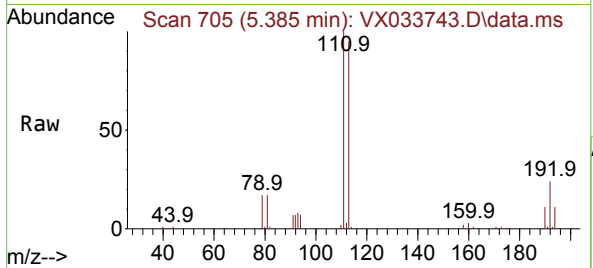




#35
Dibromofluoromethane
Concen: 47.351 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX033743.D
Acq: 16 Jan 2023 12:02

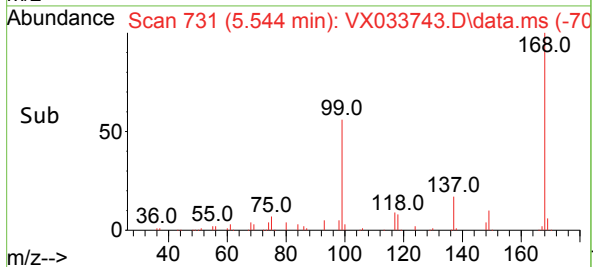
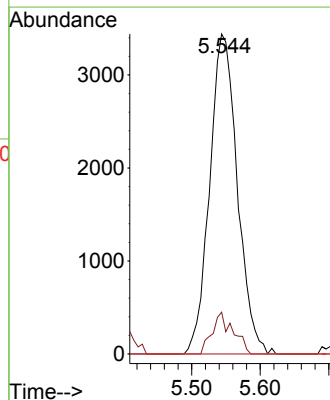
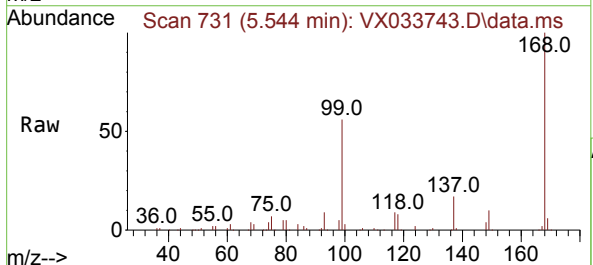
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VX0116MBL01

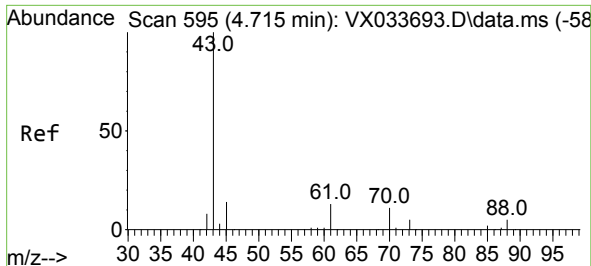
Tgt Ion:113 Resp: 69450
Ion Ratio Lower Upper
113 100
111 101.5 83.0 124.6
192 22.8 19.0 28.4



#36
1,1-Dichloropropene
Concen: 4.510 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.146 min
Lab File: VX033743.D
Acq: 16 Jan 2023 12:02

Tgt Ion: 75 Resp: 9654
Ion Ratio Lower Upper
75 100
110 9.9 18.8 56.4#
77 0.0 25.1 37.7#





#37

Ethyl Acetate

Concen: Below Cal

RT: 4.739 min Scan# 599

Delta R.T. 0.024 min

Lab File: VX033743.D

Acq: 16 Jan 2023 12:02

Instrument :

MSVOA_X

ClientSampleId :

VX0116MBL01

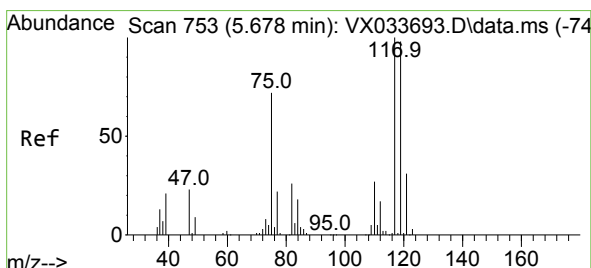
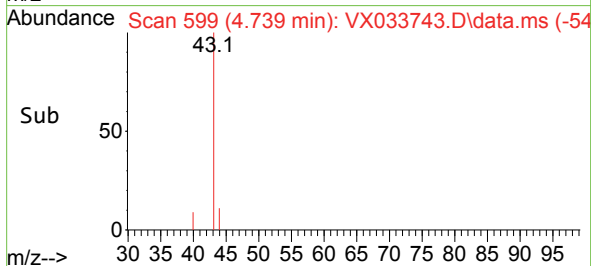
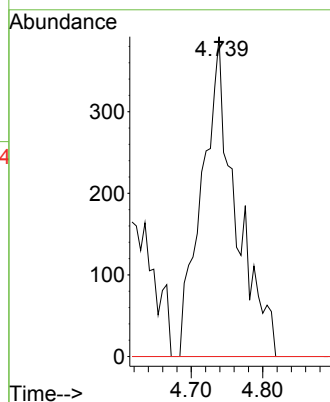
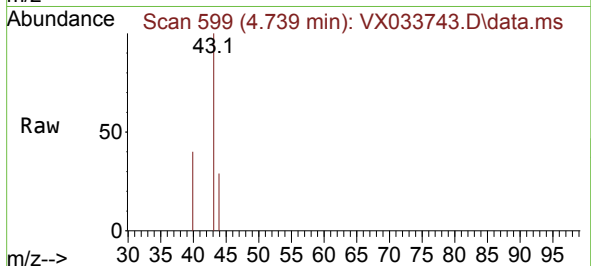
Tgt Ion: 43 Resp: 1285

Ion Ratio Lower Upper

43 100

61 0.0 11.1 16.7#

70 0.0 8.5 12.7#



#38

Carbon Tetrachloride

Concen: 6.078 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.128 min

Lab File: VX033743.D

Acq: 16 Jan 2023 12:02

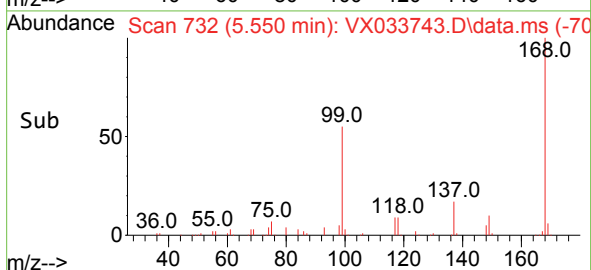
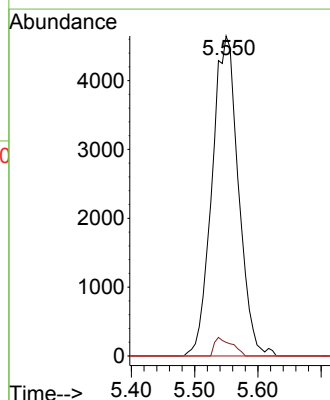
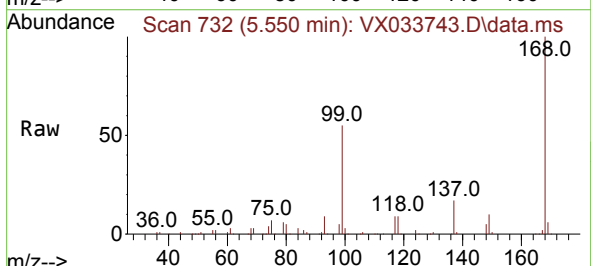
Tgt Ion: 117 Resp: 13476

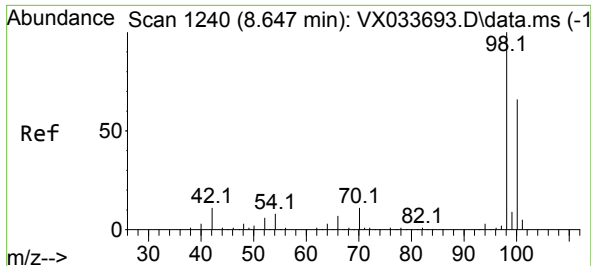
Ion Ratio Lower Upper

117 100

119 4.3 78.0 117.0#

121 0.0 24.4 36.6#

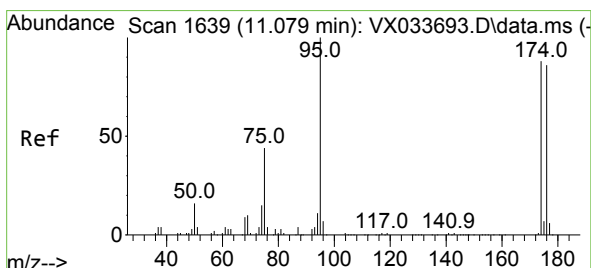
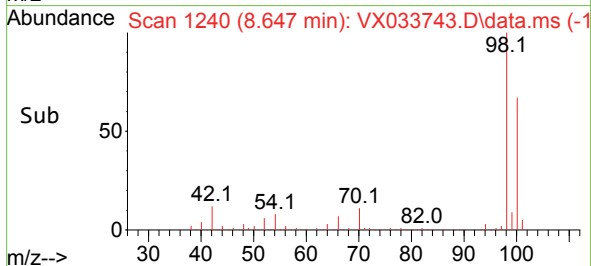
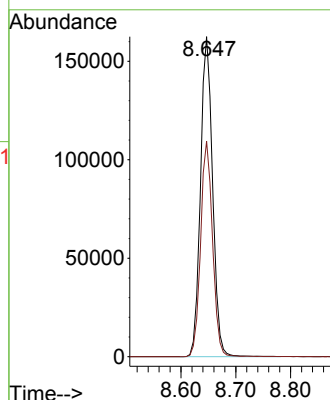
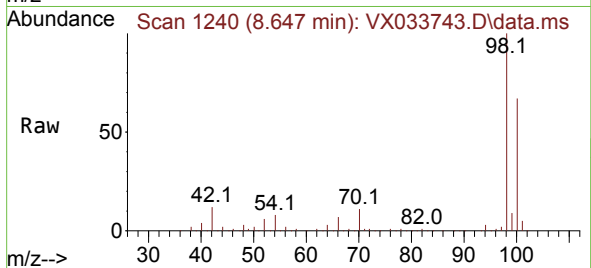




#50
Toluene-d8
Concen: 46.661 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX033743.D
Acq: 16 Jan 2023 12:02

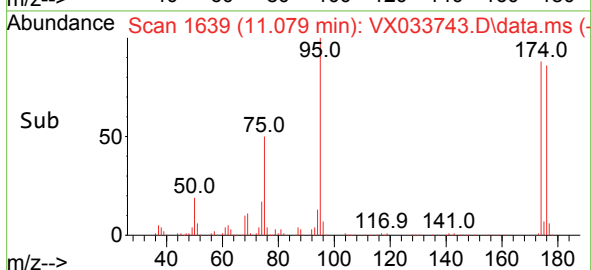
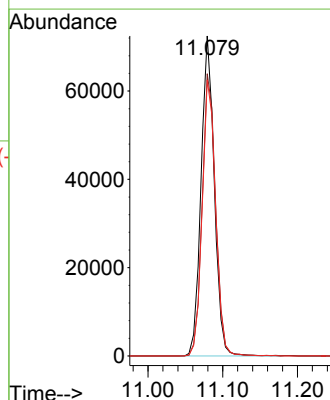
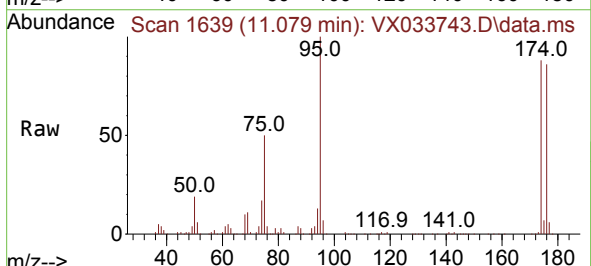
Instrument :
MSVOA_X
ClientSampleId :
VX0116MBL01

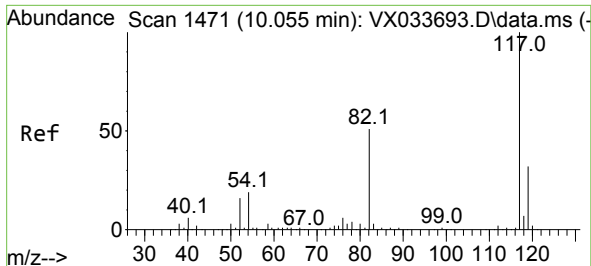
Tgt Ion: 98 Resp: 249352
Ion Ratio Lower Upper
98 100
100 66.2 53.6 80.4



#62
4-Bromofluorobenzene
Concen: 44.872 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX033743.D
Acq: 16 Jan 2023 12:02

Tgt Ion: 95 Resp: 89031
Ion Ratio Lower Upper
95 100
174 89.6 0.0 184.4
176 87.3 0.0 178.8

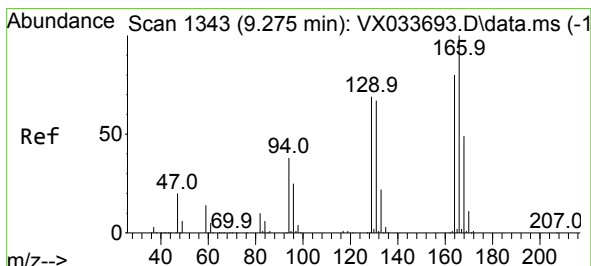
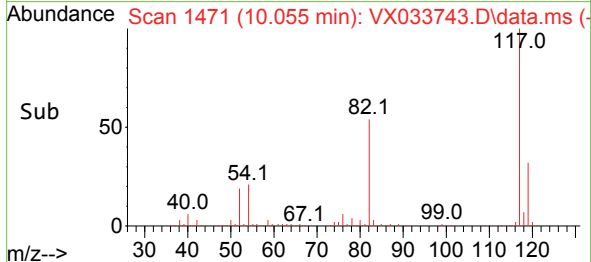
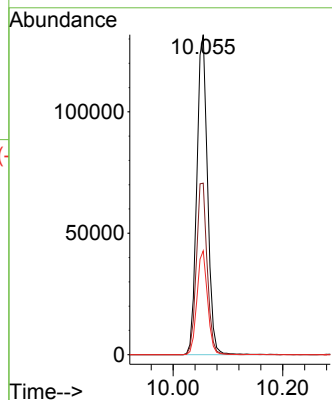
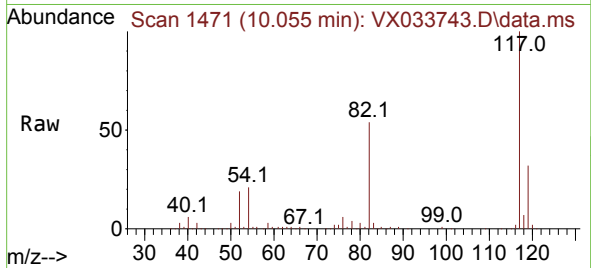




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX033743.D
Acq: 16 Jan 2023 12:02

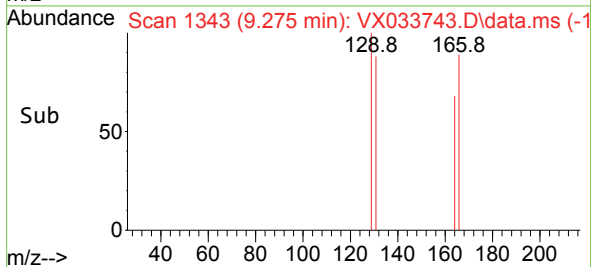
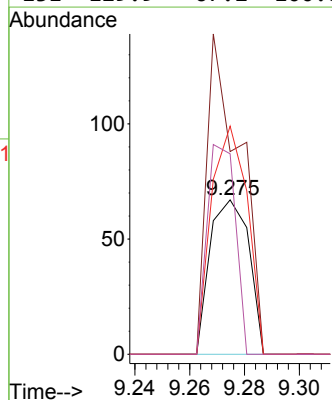
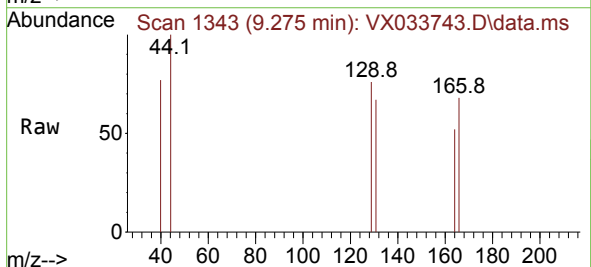
Instrument :
MSVOA_X
ClientSampleId :
VX0116MBL01

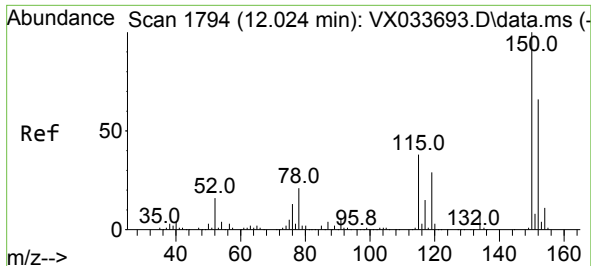
Tgt Ion:117 Resp: 180437
Ion Ratio Lower Upper
117 100
82 53.6 40.6 60.8
119 32.5 25.6 38.4



#64
Tetrachloroethene
Concen: Below Cal
RT: 9.275 min Scan# 1343
Delta R.T. -0.000 min
Lab File: VX033743.D
Acq: 16 Jan 2023 12:02

Tgt Ion:164 Resp: 66
Ion Ratio Lower Upper
164 100
166 131.3 100.2 150.2
129 147.8 69.2 103.8#
131 129.9 67.2 100.8#

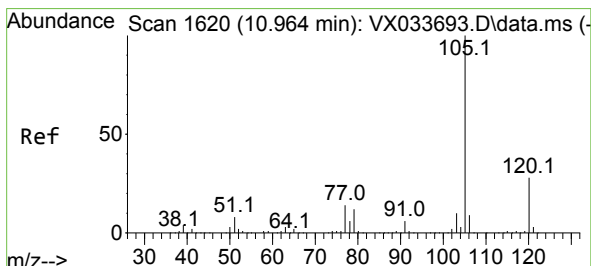
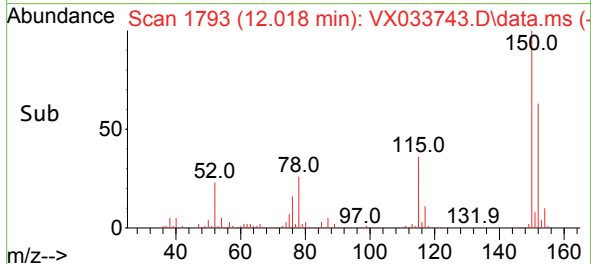
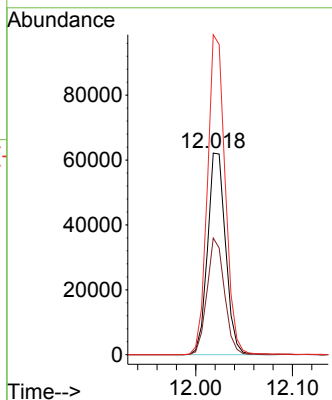
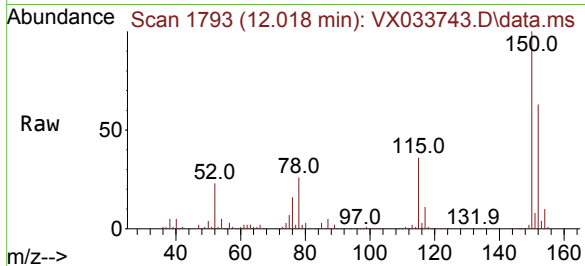




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.018 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: VX033743.D
 Acq: 16 Jan 2023 12:02

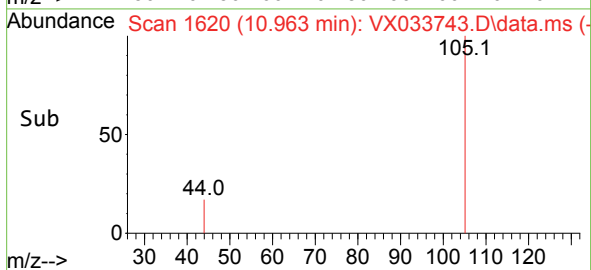
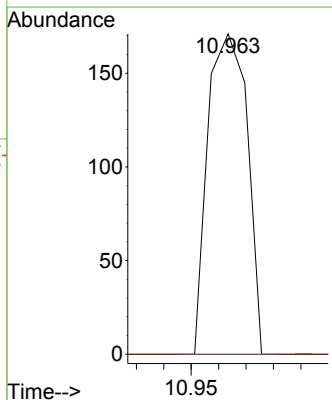
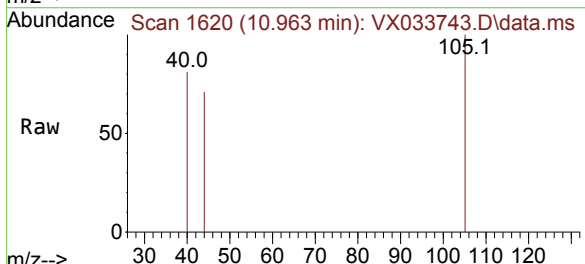
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0116MBL01

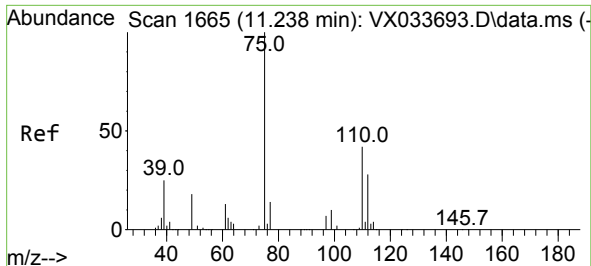
Tgt Ion:152 Resp: 80630
 Ion Ratio Lower Upper
 152 100
 115 56.1 38.7 116.1
 150 156.6 0.0 348.2



#73
 Isopropylbenzene
 Concen: Below Cal
 RT: 10.963 min Scan# 1620
 Delta R.T. -0.001 min
 Lab File: VX033743.D
 Acq: 16 Jan 2023 12:02

Tgt Ion:105 Resp: 170
 Ion Ratio Lower Upper
 105 100
 120 0.0 13.6 40.8#

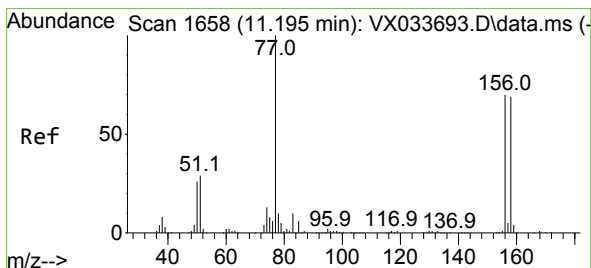
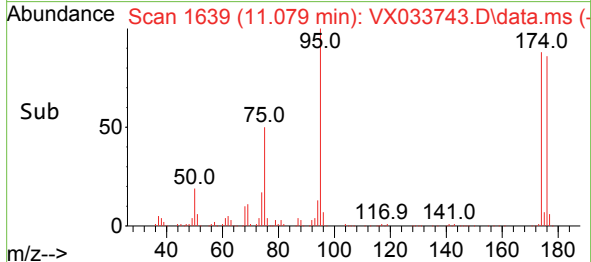
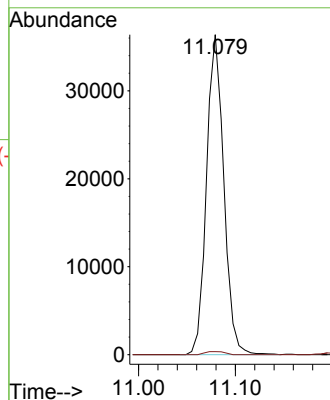
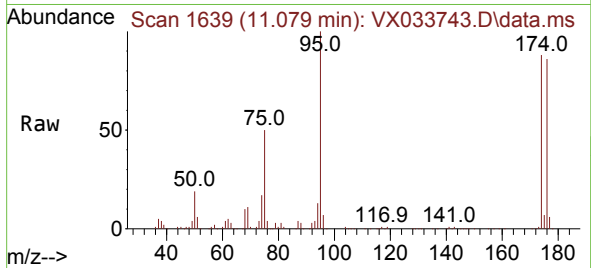




#76
1,2,3-Trichloropropane
Concen: 30.529 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX033743.D
Acq: 16 Jan 2023 12:02

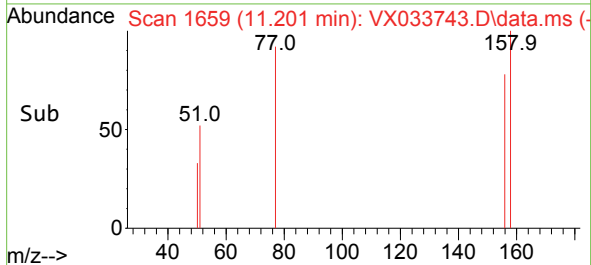
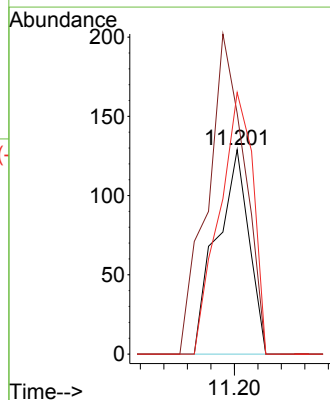
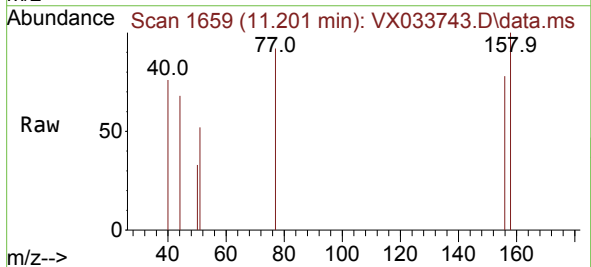
Instrument :
MSVOA_X
ClientSampleId :
VX0116MBL01

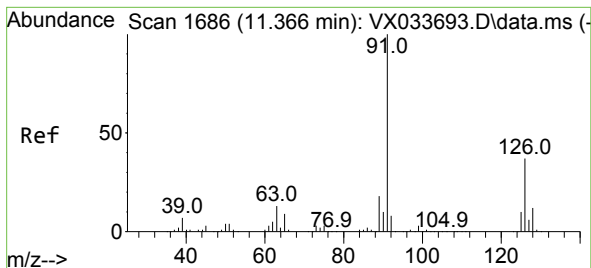
Tgt Ion: 75 Resp: 45227
Ion Ratio Lower Upper
75 100
77 1.1 21.8 65.4#



#77
Bromobenzene
Concen: Below Cal
RT: 11.201 min Scan# 1659
Delta R.T. 0.006 min
Lab File: VX033743.D
Acq: 16 Jan 2023 12:02

Tgt Ion: 156 Resp: 123
Ion Ratio Lower Upper
156 100
77 179.7 68.1 204.3
158 134.1 48.0 144.2





#79

2-Chlorotoluene

Concen: Below Cal

RT: 11.372 min Scan# 1687

Delta R.T. 0.006 min

Lab File: VX033743.D

Acq: 16 Jan 2023 12:02

Instrument :

MSVOA_X

ClientSampleId :

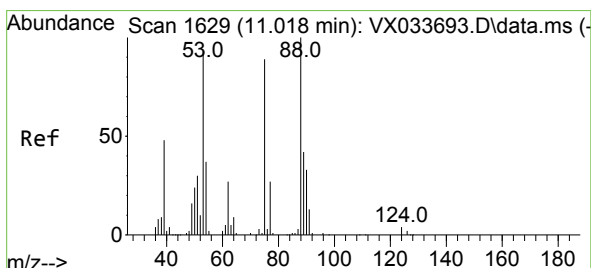
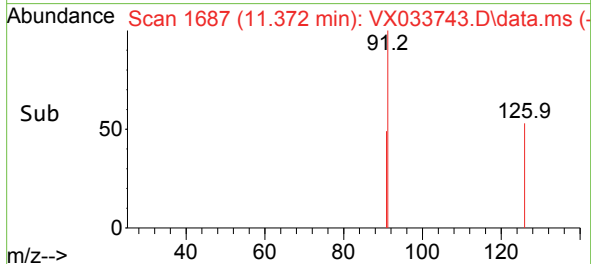
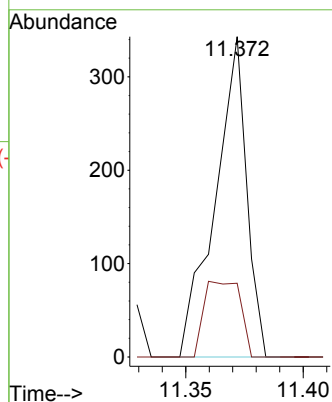
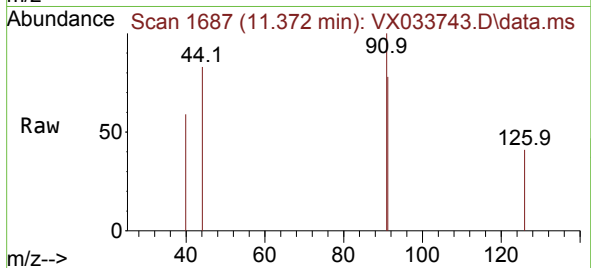
VX0116MBL01

Tgt Ion: 91 Resp: 320

Ion Ratio Lower Upper

91 100

126 27.2 18.1 54.1



#81

trans-1,4-Dichloro-2-butene

Concen: 94.880 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX033743.D

Acq: 16 Jan 2023 12:02

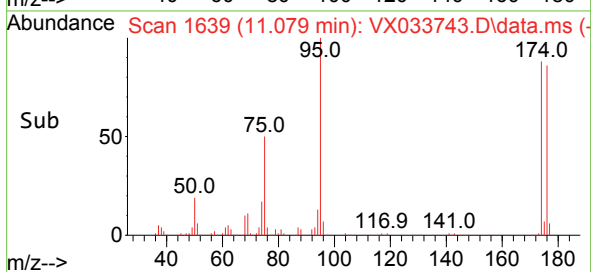
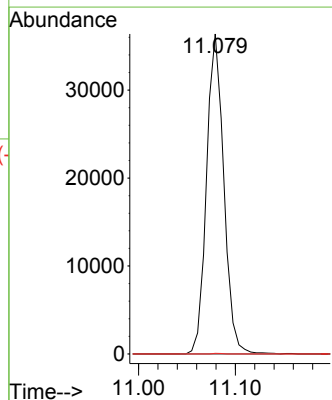
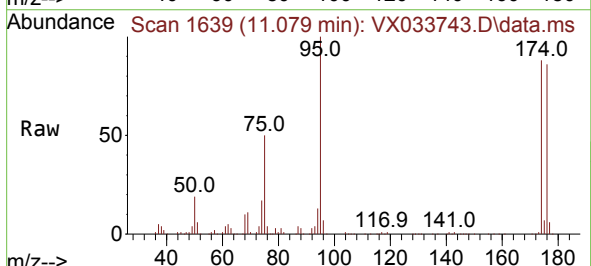
Tgt Ion: 75 Resp: 45227

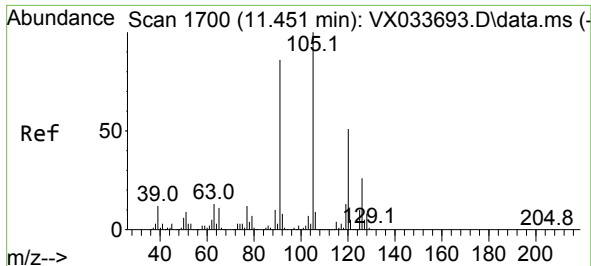
Ion Ratio Lower Upper

75 100

53 0.0 83.0 124.6#

89 0.1 37.7 56.5#

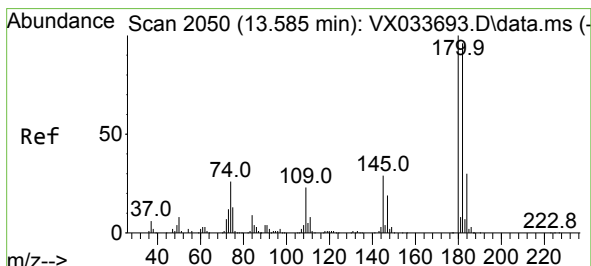
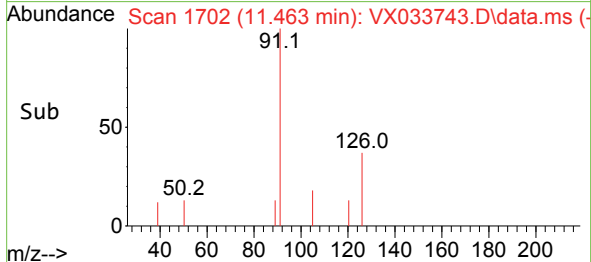
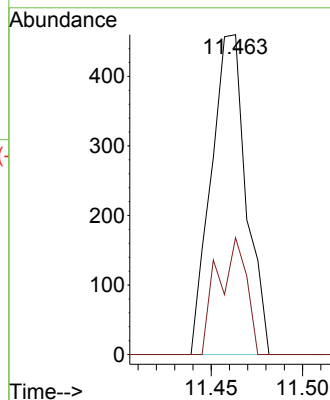
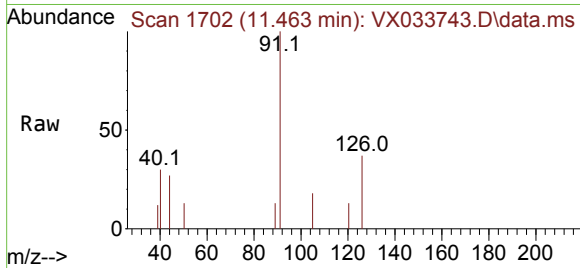




#82
4-Chlorotoluene
Concen: Below Cal
RT: 11.463 min Scan# 11
Delta R.T. 0.012 min
Lab File: VX033743.D
Acq: 16 Jan 2023 12:02

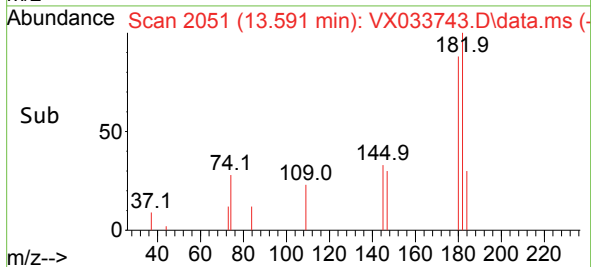
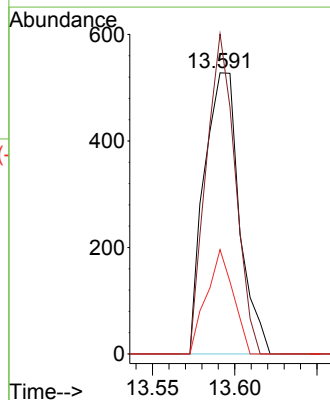
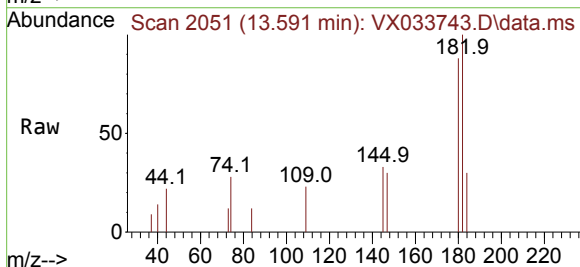
Instrument :
MSVOA_X
ClientSampleId :
VX0116MBL01

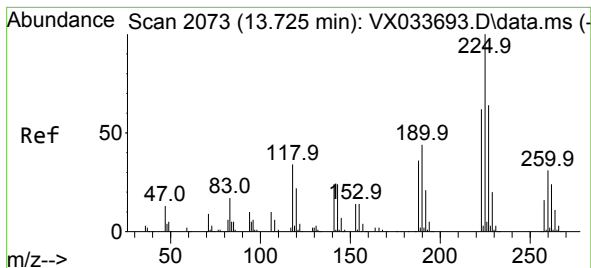
Tgt Ion: 91 Resp: 615
Ion Ratio Lower Upper
91 100
126 29.9 15.8 47.4



#93
1,2,4-Trichlorobenzene
Concen: 0.443 ug/l
RT: 13.591 min Scan# 2051
Delta R.T. 0.006 min
Lab File: VX033743.D
Acq: 16 Jan 2023 12:02

Tgt Ion: 180 Resp: 784
Ion Ratio Lower Upper
180 100
182 94.0 47.9 143.6
145 28.2 14.1 42.2





#94

Hexachlorobutadiene

Concen: 0.727 ug/l

RT: 13.725 min Scan# 2073

Delta R.T. -0.000 min

Lab File: VX033743.D

Acq: 16 Jan 2023 12:02

Instrument :

MSVOA_X

ClientSampleId :

VX0116MBL01

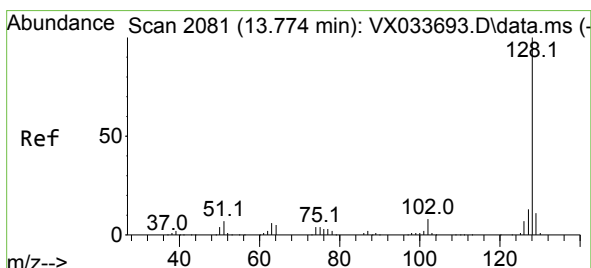
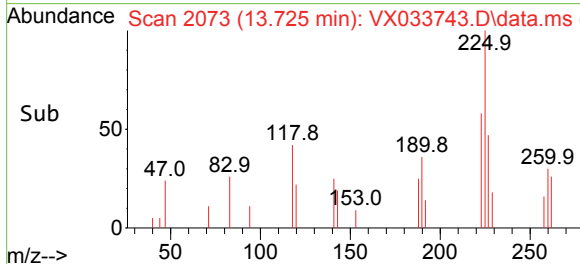
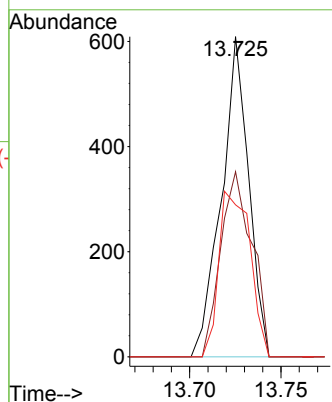
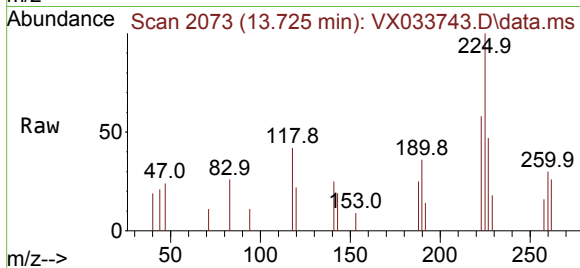
Tgt Ion:225 Resp: 631

Ion Ratio Lower Upper

225 100

223 66.4 31.3 93.9

227 59.1 32.3 96.9



#95

Naphthalene

Concen: 0.395 ug/l

RT: 13.780 min Scan# 2082

Delta R.T. 0.006 min

Lab File: VX033743.D

Acq: 16 Jan 2023 12:02

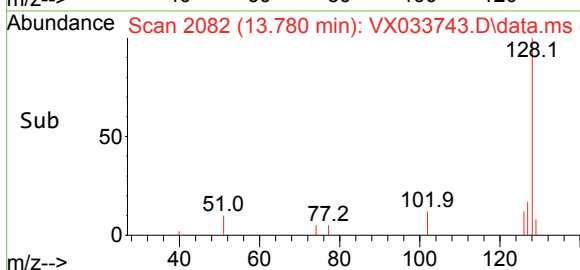
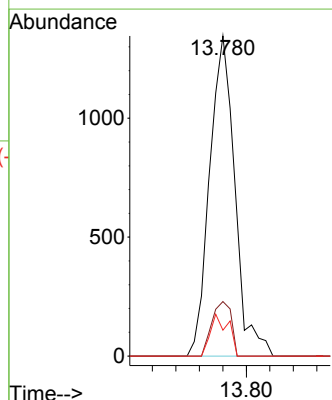
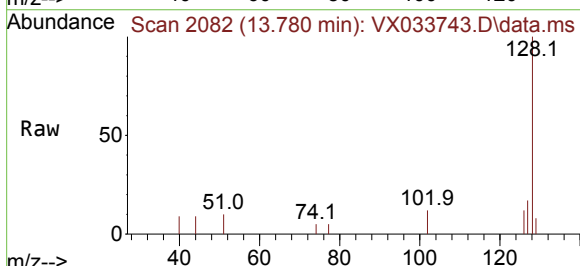
Tgt Ion:128 Resp: 2010

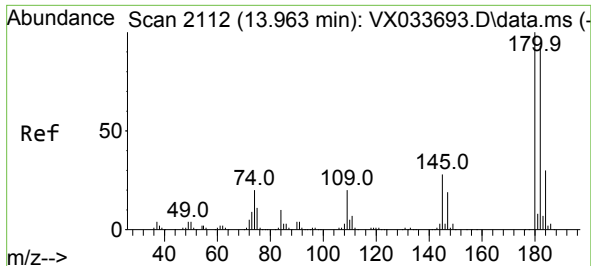
Ion Ratio Lower Upper

128 100

127 13.0 10.3 15.5

129 9.3 8.7 13.1





#96

1,2,3-Trichlorobenzene

Concen: 0.429 ug/l

RT: 13.963 min Scan# 21

Delta R.T. -0.000 min

Lab File: VX033743.D

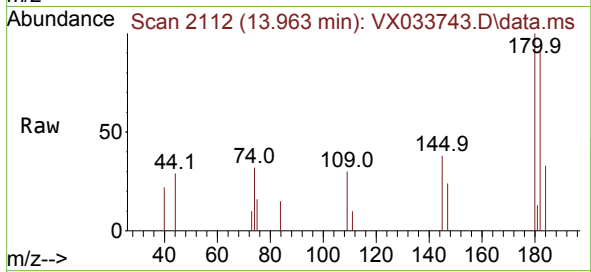
Acq: 16 Jan 2023 12:02

Instrument :

MSVOA_X

ClientSampleId :

VX0116MBL01



Tgt Ion:180 Resp: 761

Ion Ratio Lower Upper

180 100

182 91.2 47.6 142.9

145 30.7 15.1 45.3

