

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX020124\
 Data File : VX040058.D
 Acq On : 01 Feb 2024 10:10
 Operator : JC/MD
 Sample : VX0201MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0201MBL01

Quant Time: Feb 02 01:35:27 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X013024W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 01 05:44:39 2024
 Response via : Initial Calibration

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

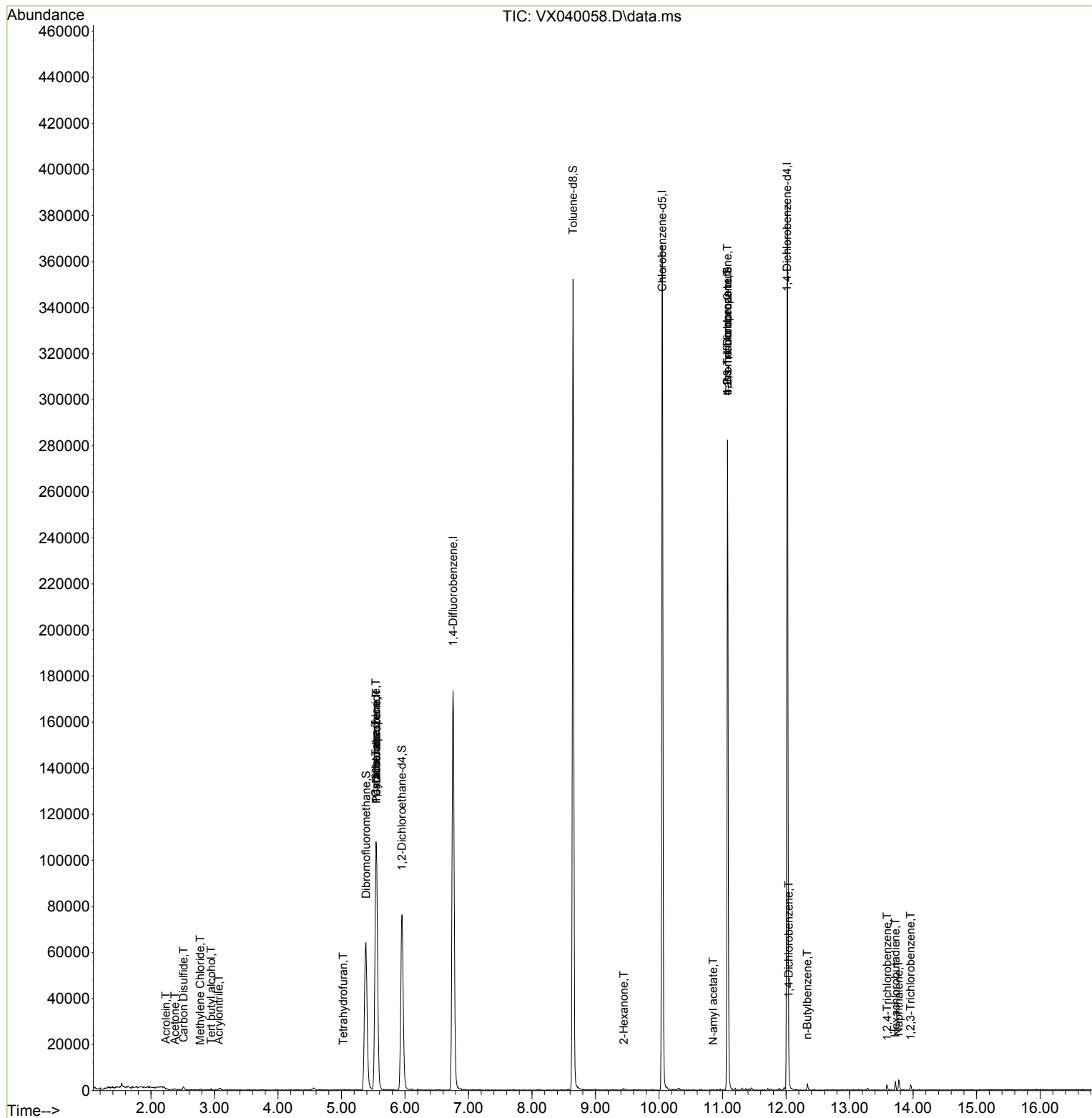
Internal Standards						
1) Pentafluorobenzene	5.550	168	97242	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	171959	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	160523	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	74147	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	72735	46.476	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	92.960%		
35) Dibromofluoromethane	5.385	113	55482	47.397	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	94.800%		
50) Toluene-d8	8.647	98	200285	45.752	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	91.500%#		
62) 4-Bromofluorobenzene	11.079	95	72463	42.989	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	85.980%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.946	59	426	1.500	ug/l #	78
13) Acrolein	2.233	56	159	0.584	ug/l #	77
15) Acrylonitrile	3.068	53	501	0.704	ug/l #	89
16) Acetone	2.380	43	550	0.750	ug/l #	47
17) Carbon Disulfide	2.514	76	1627	0.509	ug/l #	95
20) Methylene Chloride	2.776	84	305	0.234	ug/l #	31
29) Tetrahydrofuran	5.025	42	152	0.235	ug/l #	34
31) Cyclohexane	5.544	56	2843	1.450	ug/l #	13
36) 1,1-Dichloropropene	5.550	75	9029	5.333	ug/l #	50
38) Carbon Tetrachloride	5.544	117	10423	6.434	ug/l #	15
59) 2-Hexanone	9.445	43	504	0.318	ug/l	92
74) N-amyl acetate	10.854	43	84	0.233	ug/l #	39
76) 1,2,3-Trichloropropane	11.079	75	40258	25.496	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	40258	75.147	ug/l #	5
88) 1,4-Dichlorobenzene	12.042	146	660	0.260	ug/l #	24
89) n-Butylbenzene	12.335	91	1131	0.246	ug/l	93
93) 1,2,4-Trichlorobenzene	13.591	180	739	0.495	ug/l	93
94) Hexachlorobutadiene	13.725	225	553	0.940	ug/l	90
95) Naphthalene	13.774	128	3353	0.661	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	734	0.497	ug/l	92

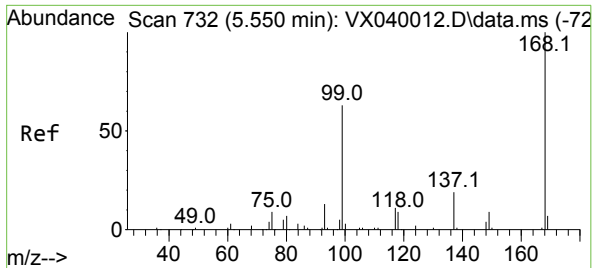
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : VX0201MBL01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
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Quant Title : SW846 8260
QLast Update : Thu Feb 01 05:44:39 2024
Response via : Initial Calibration

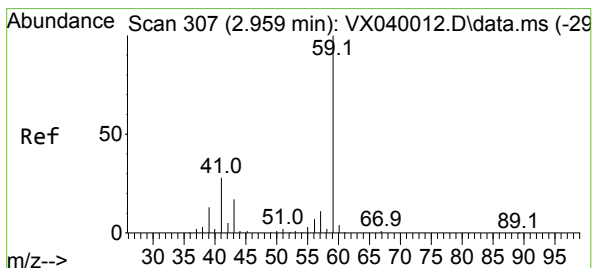
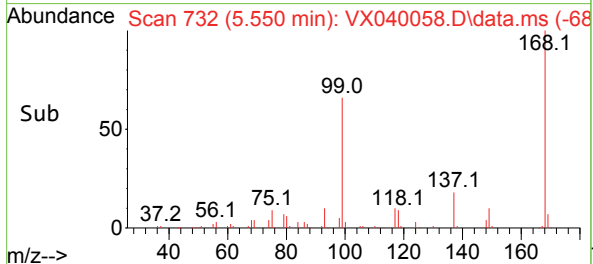
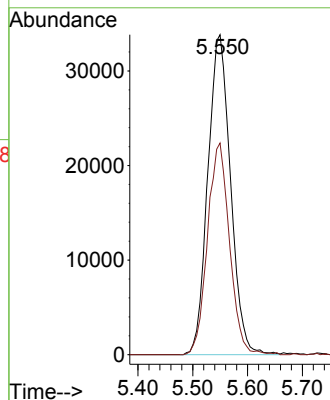
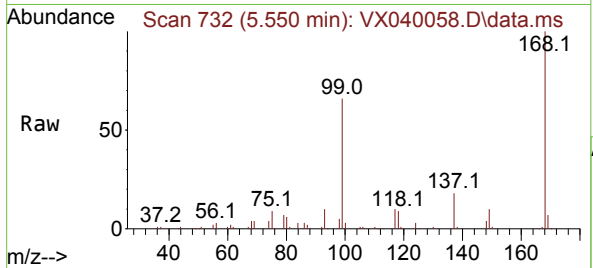




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX040058.D
Acq: 01 Feb 2024 10:10

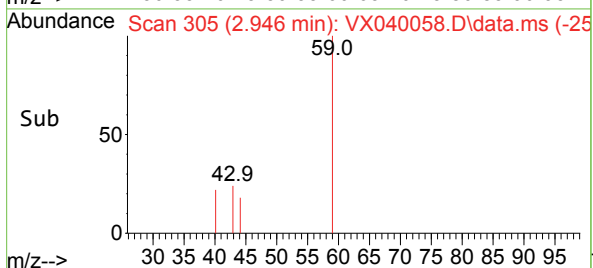
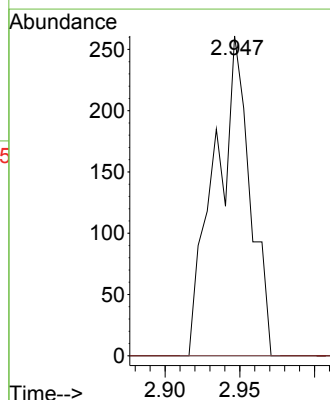
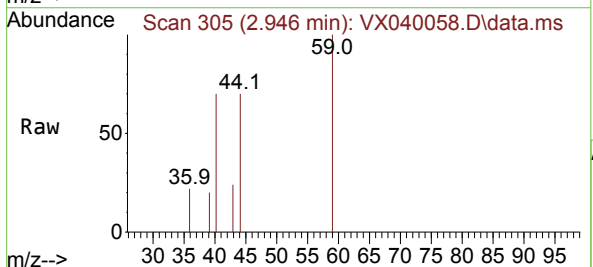
Instrument :
MSVOA_X
ClientSampleId :
VX0201MBL01

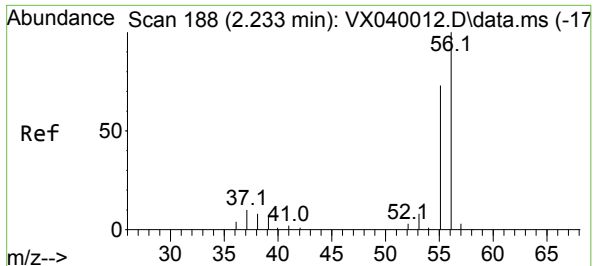
Tgt Ion:168 Resp: 97242
Ion Ratio Lower Upper
168 100
99 66.2 56.6 85.0



#11
Tert butyl alcohol
Concen: 1.500 ug/l
RT: 2.946 min Scan# 305
Delta R.T. -0.012 min
Lab File: VX040058.D
Acq: 01 Feb 2024 10:10

Tgt Ion: 59 Resp: 426
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#





#13

Acrolein

Concen: 0.584 ug/l

RT: 2.233 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX040058.D

Acq: 01 Feb 2024 10:10

Instrument :

MSVOA_X

ClientSampleId :

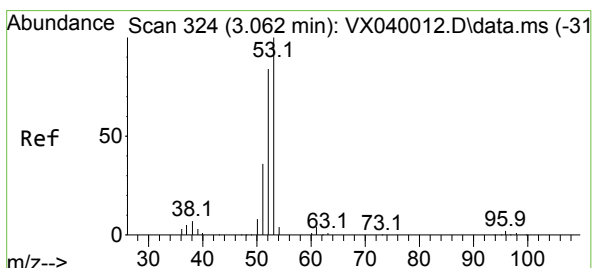
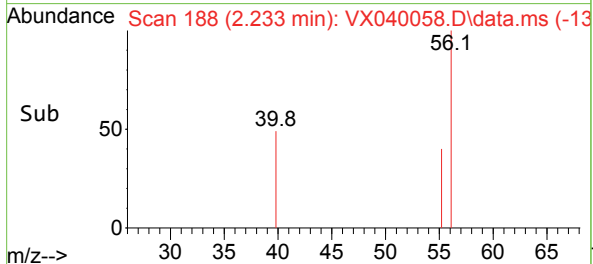
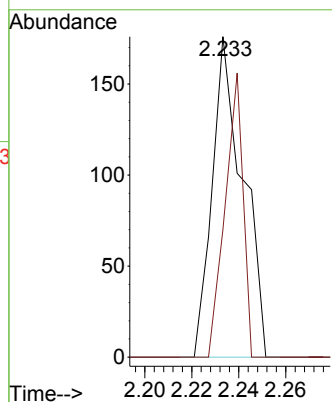
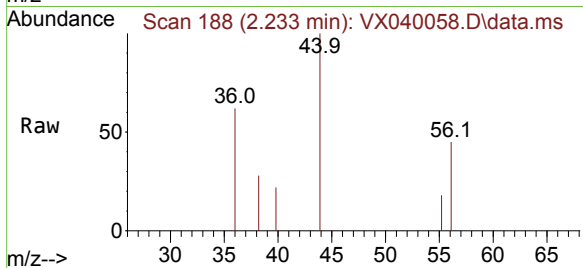
VX0201MBL01

Tgt Ion: 56 Resp: 159

Ion Ratio Lower Upper

56 100

55 52.2 57.1 85.7#



#15

Acrylonitrile

Concen: 0.704 ug/l

RT: 3.068 min Scan# 325

Delta R.T. 0.006 min

Lab File: VX040058.D

Acq: 01 Feb 2024 10:10

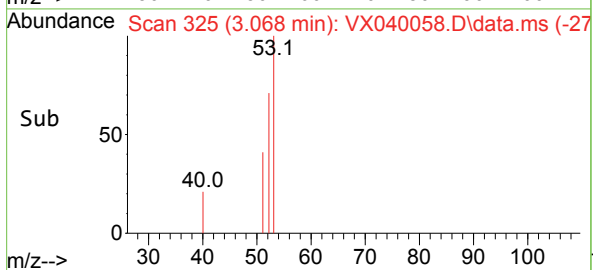
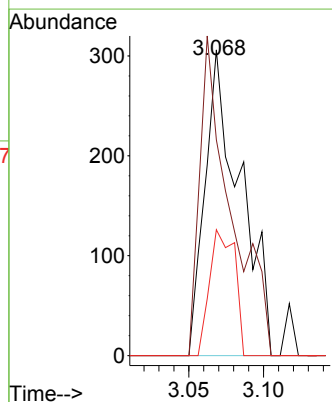
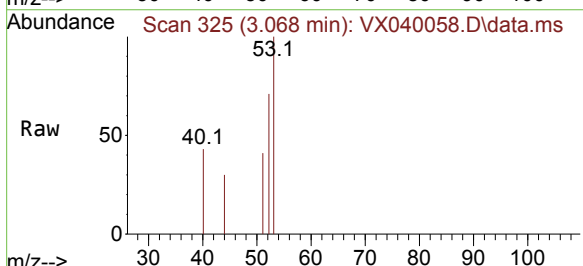
Tgt Ion: 53 Resp: 501

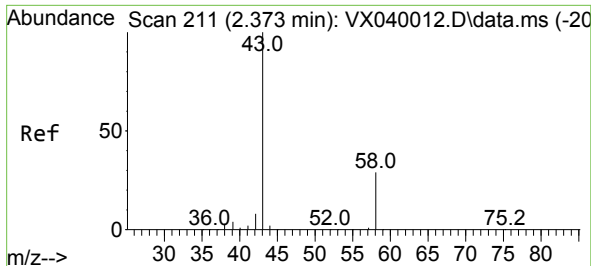
Ion Ratio Lower Upper

53 100

52 92.0 66.0 99.0

51 29.5 29.8 44.6#





#16

Acetone

Concen: 0.750 ug/l

RT: 2.380 min Scan# 211

Delta R.T. 0.006 min

Lab File: VX040058.D

Acq: 01 Feb 2024 10:10

Instrument :

MSVOA_X

ClientSampleId :

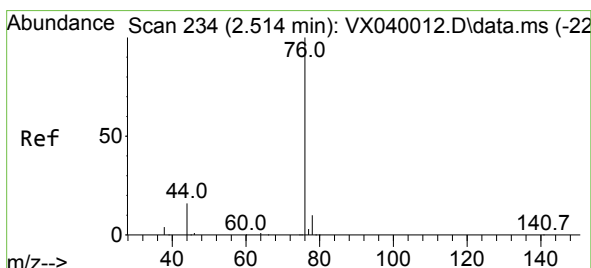
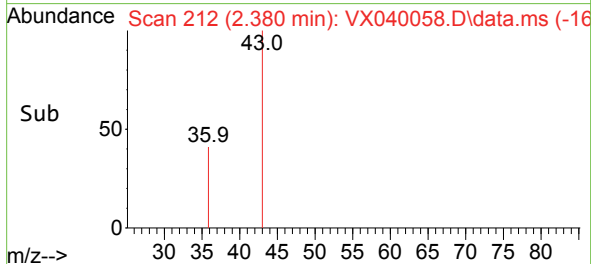
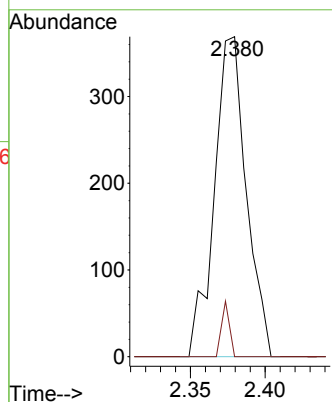
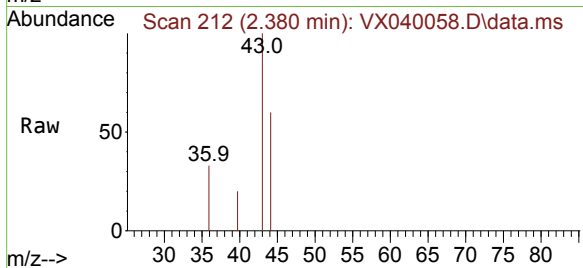
VX0201MBL01

Tgt Ion: 43 Resp: 550

Ion Ratio Lower Upper

43 100

58 0.0 21.9 32.9#



#17

Carbon Disulfide

Concen: 0.509 ug/l

RT: 2.514 min Scan# 234

Delta R.T. -0.000 min

Lab File: VX040058.D

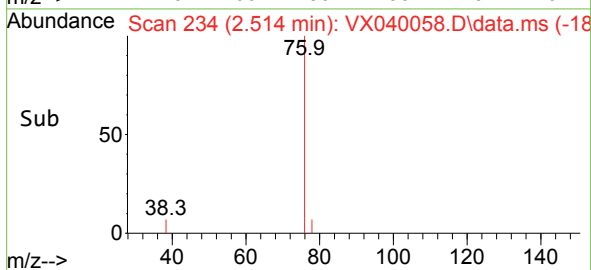
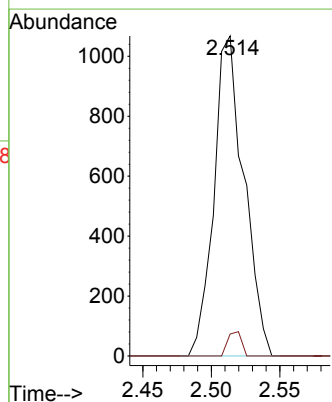
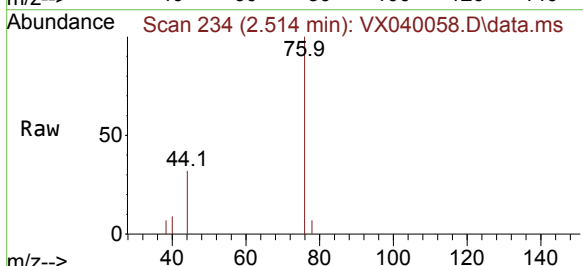
Acq: 01 Feb 2024 10:10

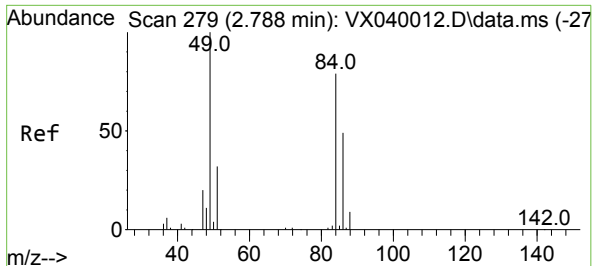
Tgt Ion: 76 Resp: 1627

Ion Ratio Lower Upper

76 100

78 6.8 7.0 10.6#

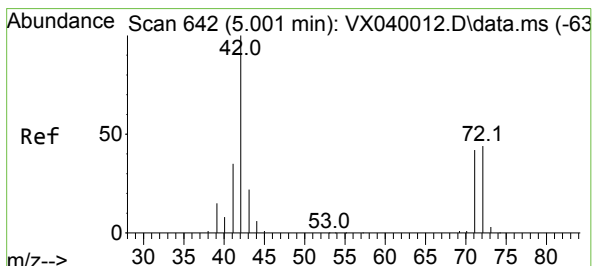
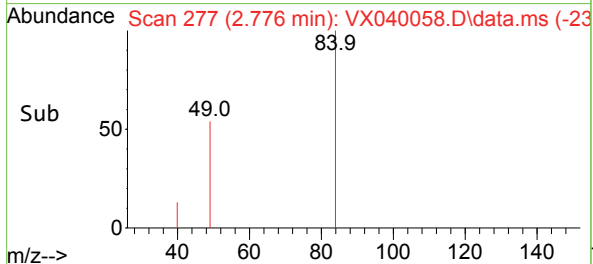
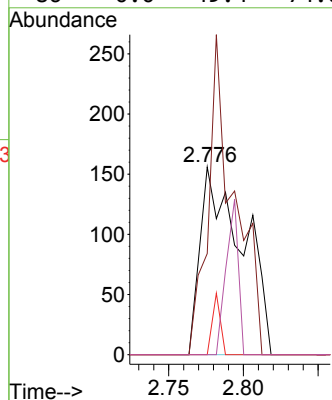
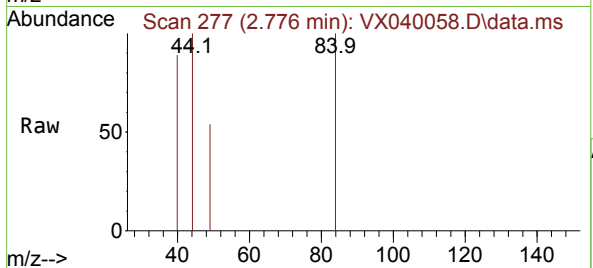




#20
Methylene Chloride
Concen: 0.234 ug/l
RT: 2.776 min Scan# 21
Delta R.T. -0.012 min
Lab File: VX040058.D
Acq: 01 Feb 2024 10:10

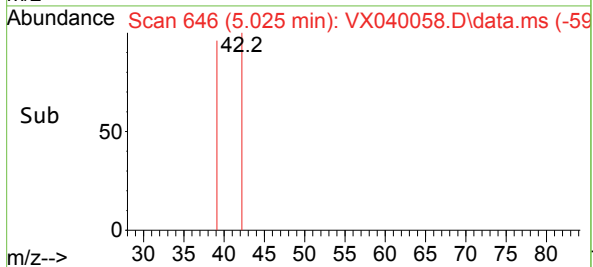
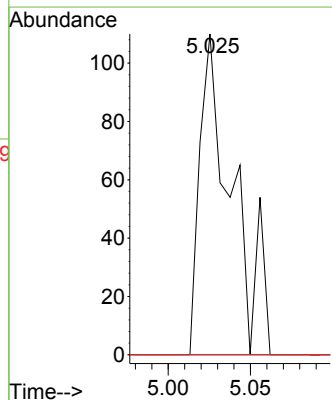
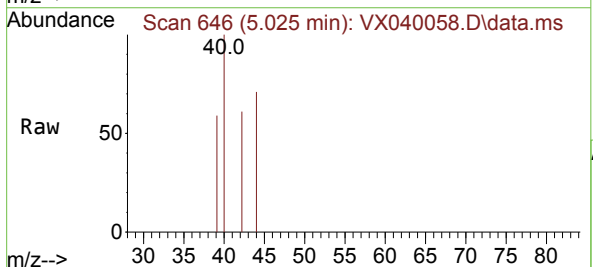
Instrument :
MSVOA_X
ClientSampleId :
VX0201MBL01

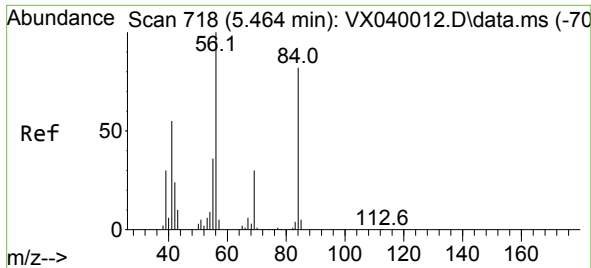
Tgt Ion:	84	Resp:	305
Ion	Ratio	Lower	Upper
84	100		
49	53.8	103.6	155.4#
51	0.0	33.8	50.6#
86	0.0	49.4	74.0#



#29
Tetrahydrofuran
Concen: 0.235 ug/l
RT: 5.025 min Scan# 646
Delta R.T. 0.024 min
Lab File: VX040058.D
Acq: 01 Feb 2024 10:10

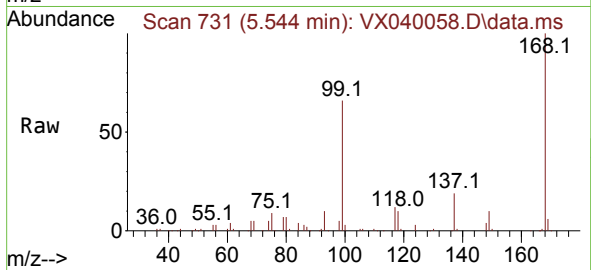
Tgt Ion:	42	Resp:	152
Ion	Ratio	Lower	Upper
42	100		
72	0.0	34.2	51.4#
71	0.0	32.2	48.2#



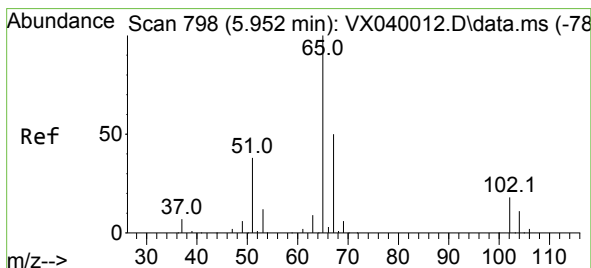
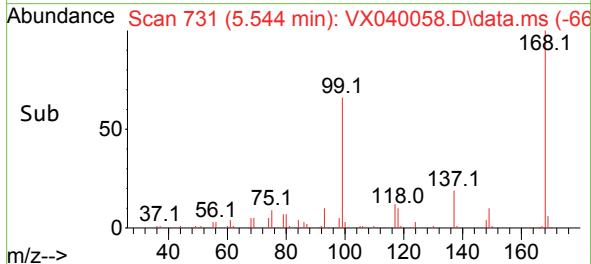
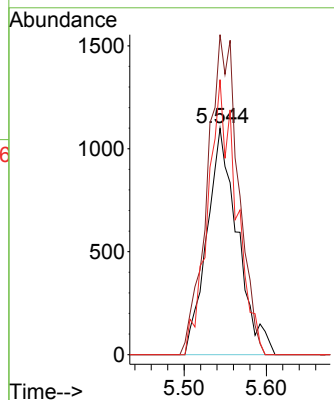


#31
Cyclohexane
Concen: 1.450 ug/l
RT: 5.544 min Scan# 718
Delta R.T. 0.079 min
Lab File: VX040058.D
Acq: 01 Feb 2024 10:10

Instrument :
MSVOA_X
ClientSampleId :
VX0201MBL01

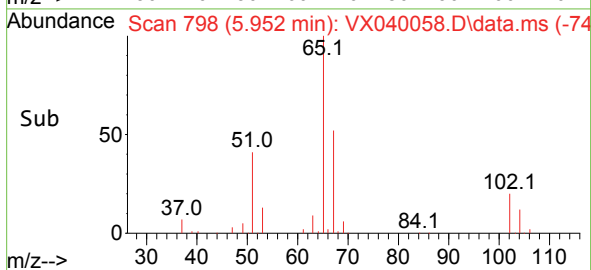
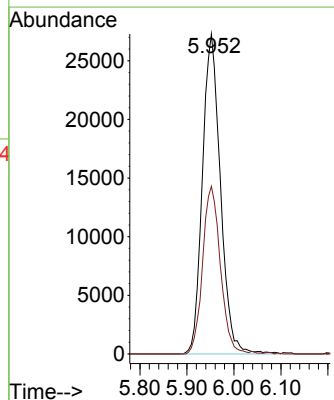
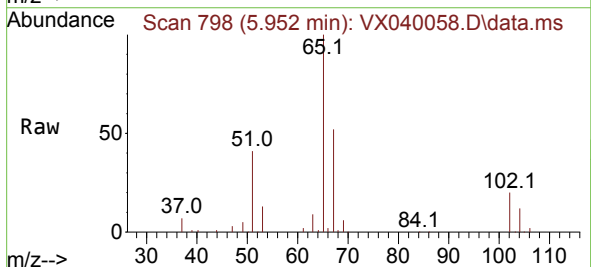


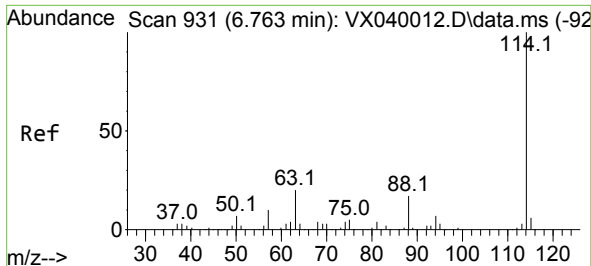
Tgt Ion: 56 Resp: 2843
Ion Ratio Lower Upper
56 100
69 141.4 23.4 35.2#
84 121.6 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 46.476 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX040058.D
Acq: 01 Feb 2024 10:10

Tgt Ion: 65 Resp: 72735
Ion Ratio Lower Upper
65 100
67 51.6 0.0 100.2

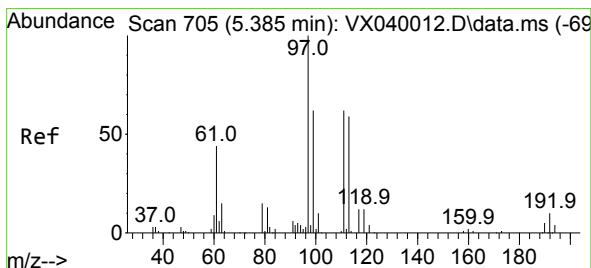
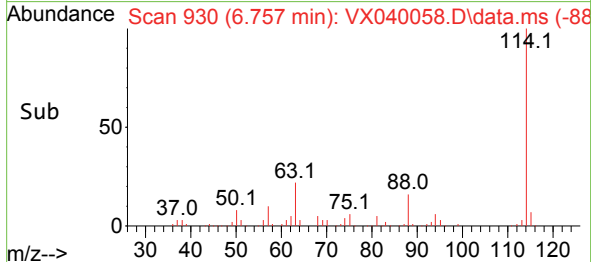
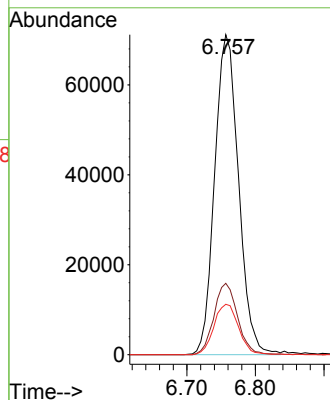
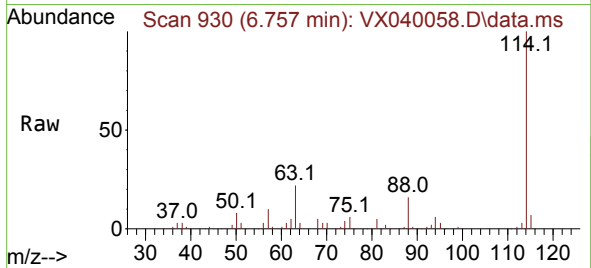




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. -0.006 min
Lab File: VX040058.D
Acq: 01 Feb 2024 10:10

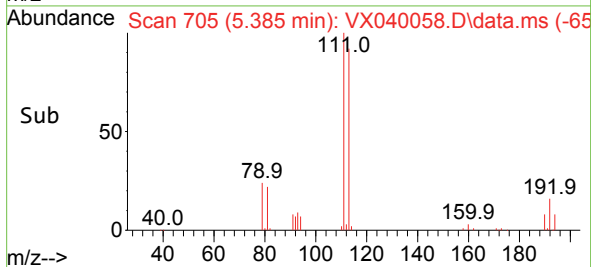
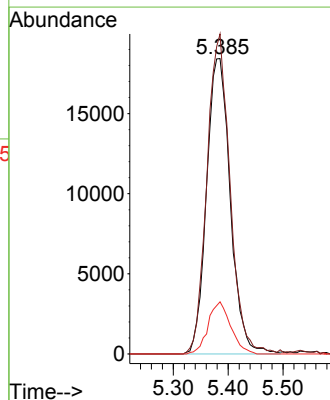
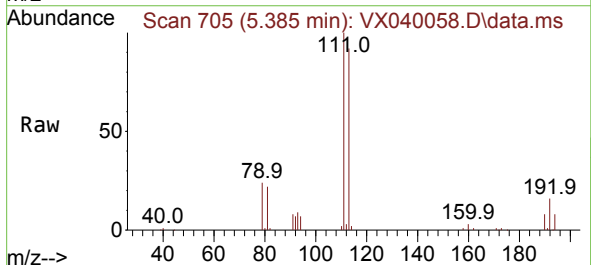
Instrument :
MSVOA_X
ClientSampleId :
VX0201MBL01

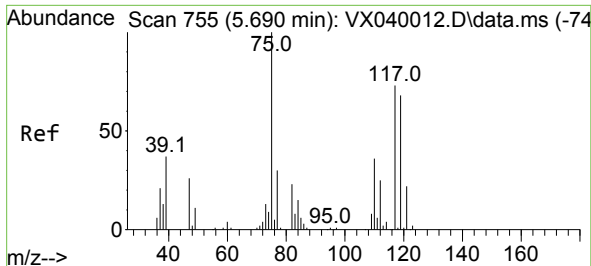
Tgt Ion:114 Resp: 171959
Ion Ratio Lower Upper
114 100
63 22.3 0.0 45.0
88 15.7 0.0 36.6



#35
Dibromofluoromethane
Concen: 47.397 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX040058.D
Acq: 01 Feb 2024 10:10

Tgt Ion:113 Resp: 55482
Ion Ratio Lower Upper
113 100
111 105.2 82.9 124.3
192 16.8 13.3 19.9

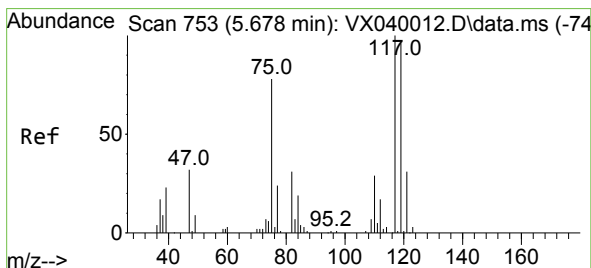
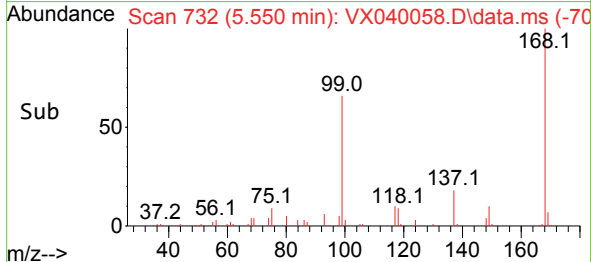
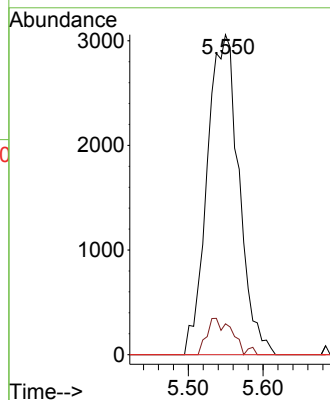
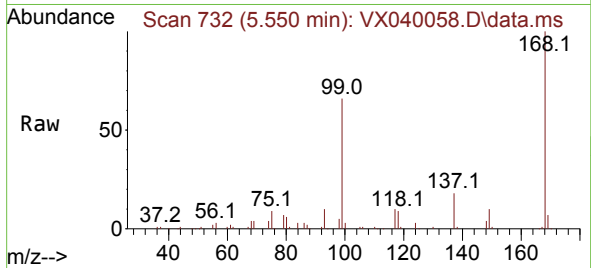




#36
1,1-Dichloropropene
Concen: 5.333 ug/l
RT: 5.550 min Scan# 711
Delta R.T. -0.140 min
Lab File: VX040058.D
Acq: 01 Feb 2024 10:10

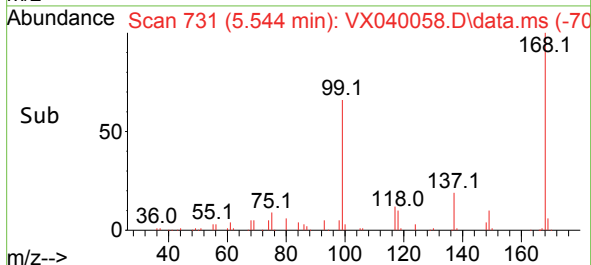
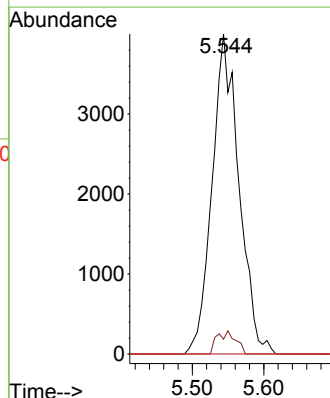
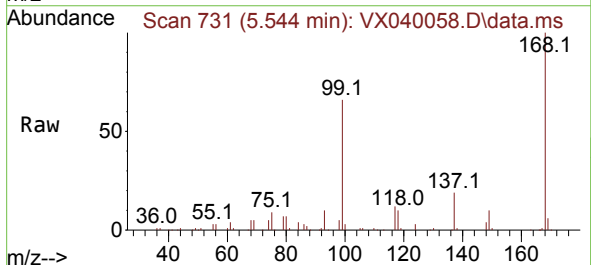
Instrument :
MSVOA_X
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VX0201MBL01

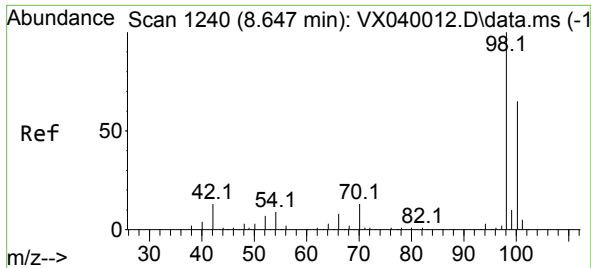
Tgt Ion: 75 Resp: 9029
Ion Ratio Lower Upper
75 100
110 9.1 17.0 50.9#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 6.434 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.134 min
Lab File: VX040058.D
Acq: 01 Feb 2024 10:10

Tgt Ion: 117 Resp: 10423
Ion Ratio Lower Upper
117 100
119 4.6 78.2 117.2#
121 0.0 24.4 36.6#

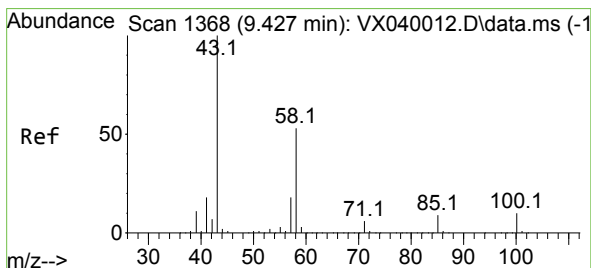
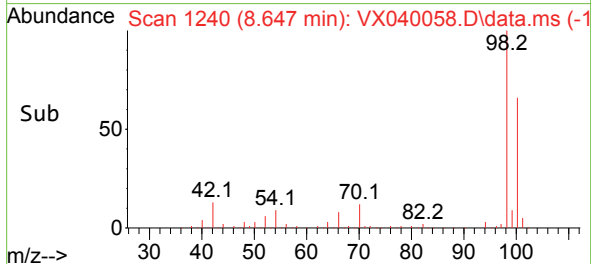
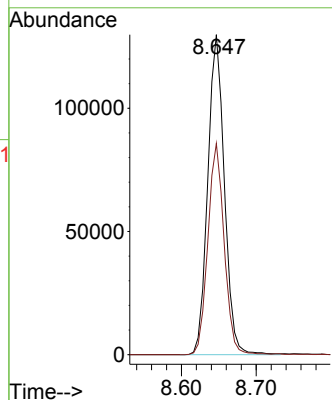
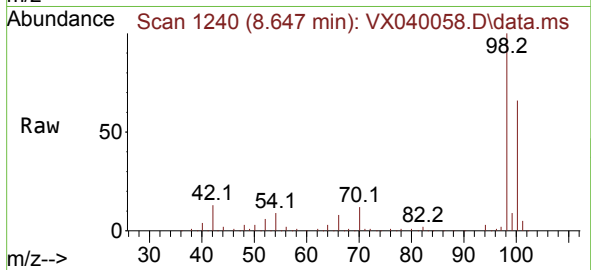




#50
Toluene-d8
Concen: 45.752 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX040058.D
Acq: 01 Feb 2024 10:10

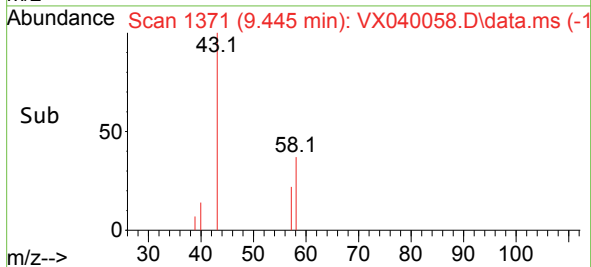
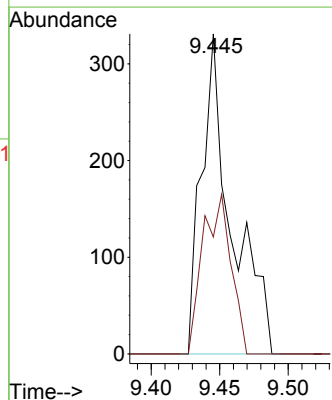
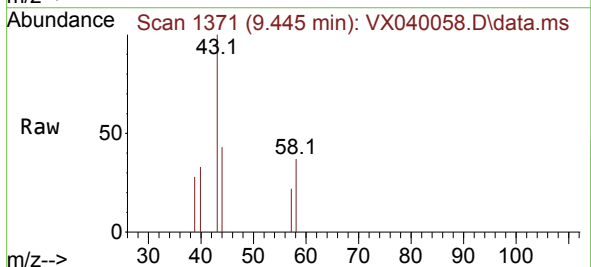
Instrument :
MSVOA_X
ClientSampleId :
VX0201MBL01

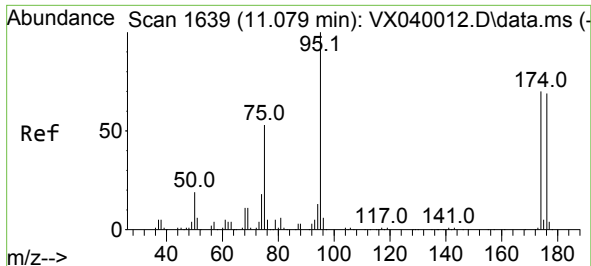
Tgt Ion: 98 Resp: 200285
Ion Ratio Lower Upper
98 100
100 64.7 53.1 79.7



#59
2-Hexanone
Concen: 0.318 ug/l
RT: 9.445 min Scan# 1371
Delta R.T. 0.018 min
Lab File: VX040058.D
Acq: 01 Feb 2024 10:10

Tgt Ion: 43 Resp: 504
Ion Ratio Lower Upper
43 100
58 46.8 26.2 78.5

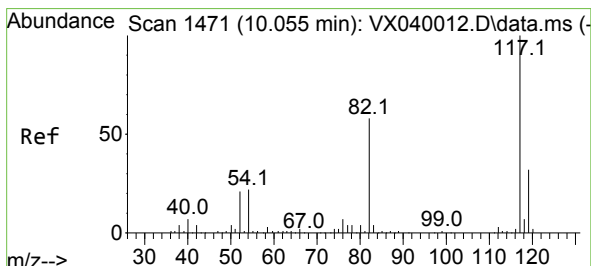
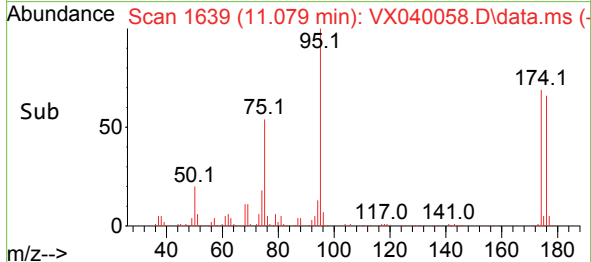
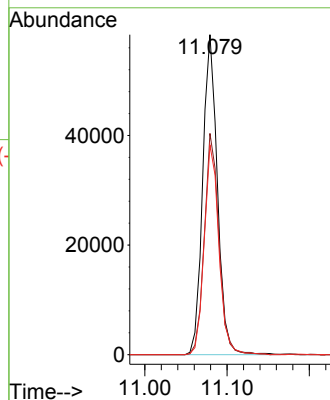
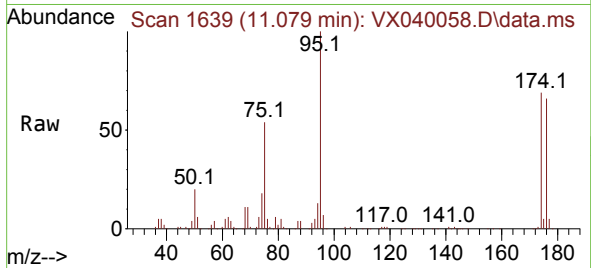




#62
4-Bromofluorobenzene
Concen: 42.989 ug/l
RT: 11.079 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX040058.D
Acq: 01 Feb 2024 10:10

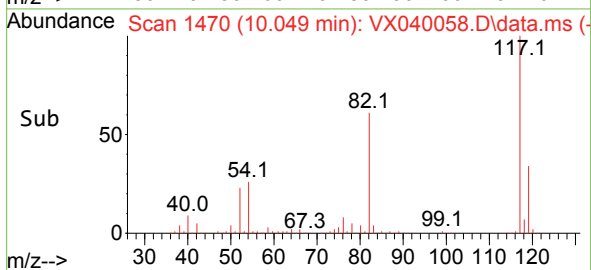
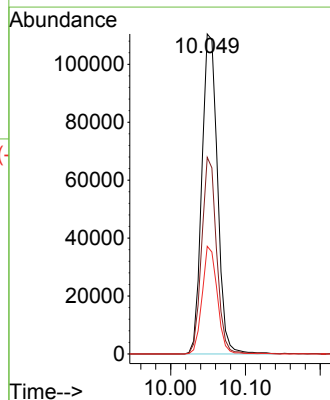
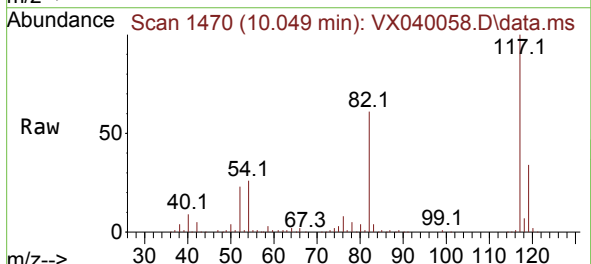
Instrument :
MSVOA_X
ClientSampleId :
VX0201MBL01

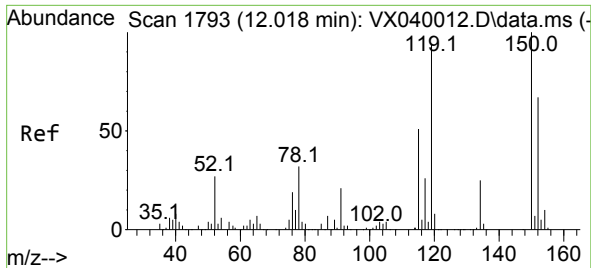
Tgt Ion: 95 Resp: 72463
Ion Ratio Lower Upper
95 100
174 68.9 0.0 135.6
176 65.5 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.006 min
Lab File: VX040058.D
Acq: 01 Feb 2024 10:10

Tgt Ion: 117 Resp: 160523
Ion Ratio Lower Upper
117 100
82 61.4 46.2 69.4
119 33.6 25.5 38.3

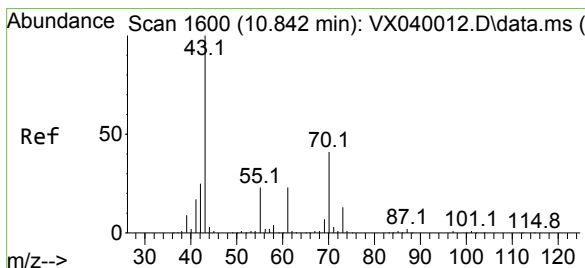
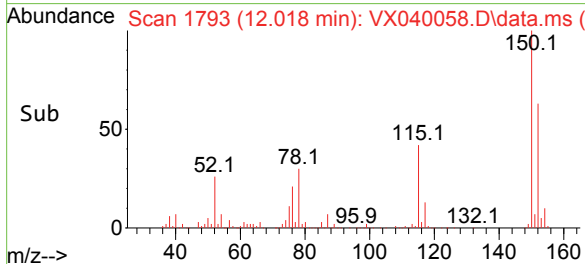
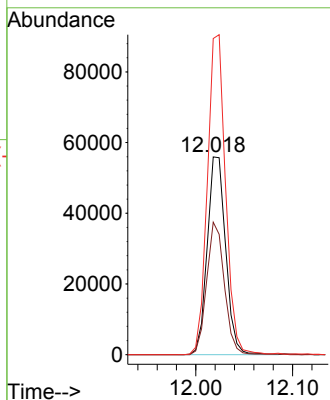
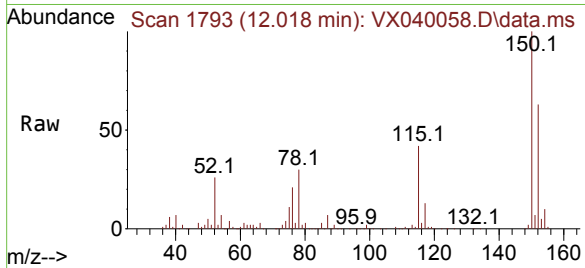




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.018 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX040058.D
 Acq: 01 Feb 2024 10:10

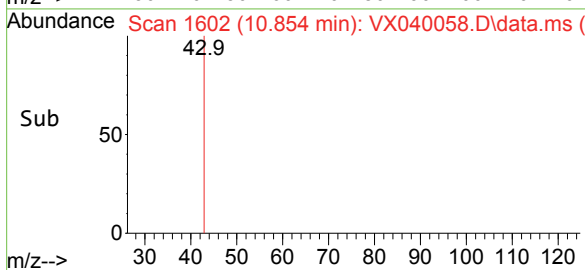
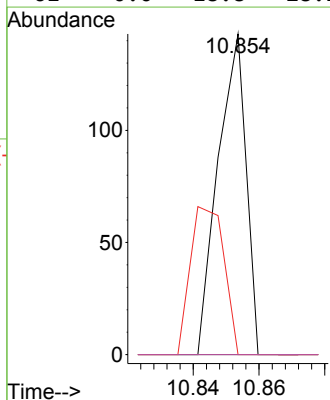
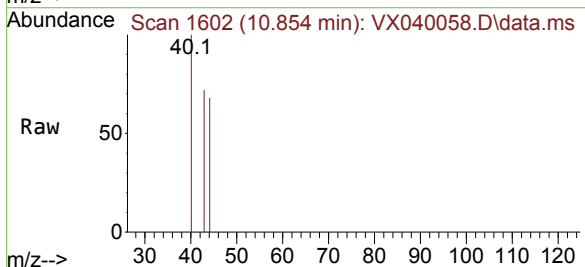
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0201MBL01

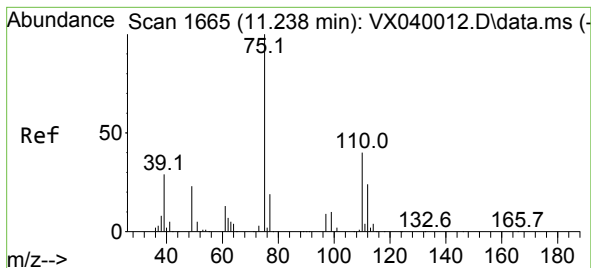
Tgt Ion:152 Resp: 74147
 Ion Ratio Lower Upper
 152 100
 115 64.2 43.3 129.9
 150 159.3 0.0 345.0



#74
 N-ethyl acetate
 Concen: 0.233 ug/l
 RT: 10.854 min Scan# 1602
 Delta R.T. 0.012 min
 Lab File: VX040058.D
 Acq: 01 Feb 2024 10:10

Tgt Ion: 43 Resp: 84
 Ion Ratio Lower Upper
 43 100
 70 0.0 32.9 49.3#
 55 56.0 19.3 28.9#
 61 0.0 18.8 28.2#





#76

1,2,3-Trichloropropane

Concen: 25.496 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX040058.D

Acq: 01 Feb 2024 10:10

Instrument :

MSVOA_X

ClientSampleId :

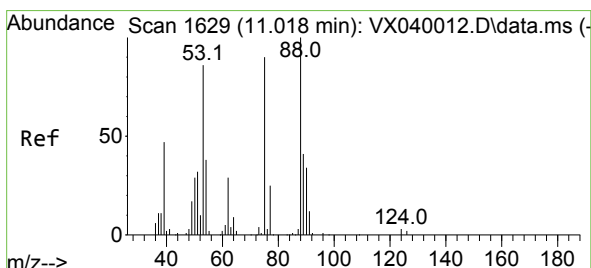
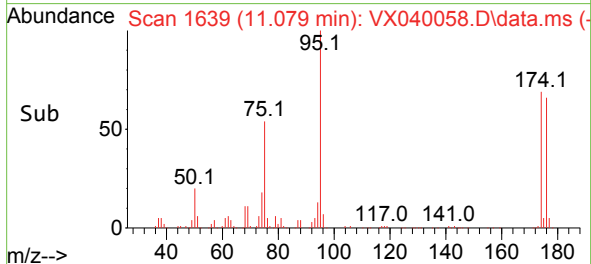
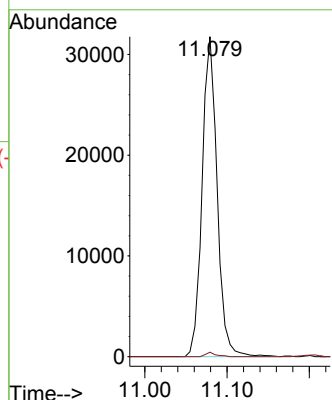
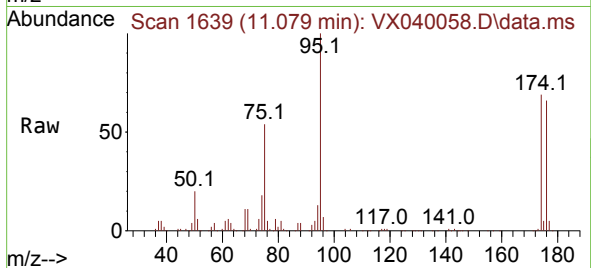
VX0201MBL01

Tgt Ion: 75 Resp: 40258

Ion Ratio Lower Upper

75 100

77 1.0 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 75.147 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX040058.D

Acq: 01 Feb 2024 10:10

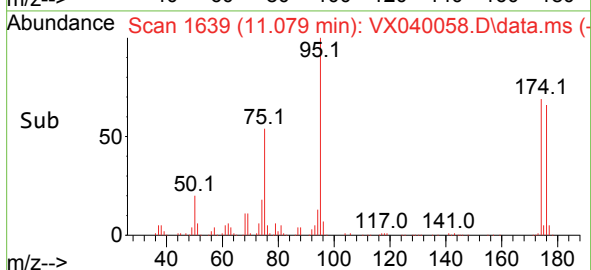
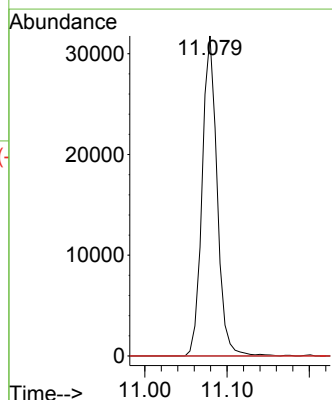
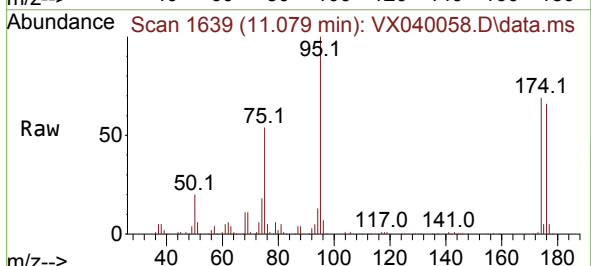
Tgt Ion: 75 Resp: 40258

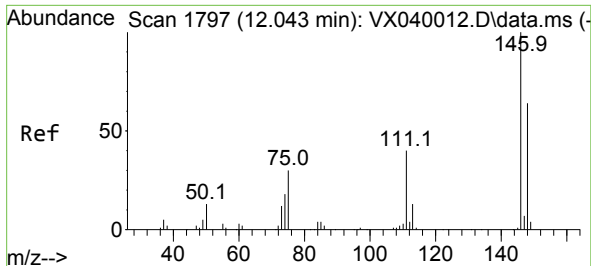
Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

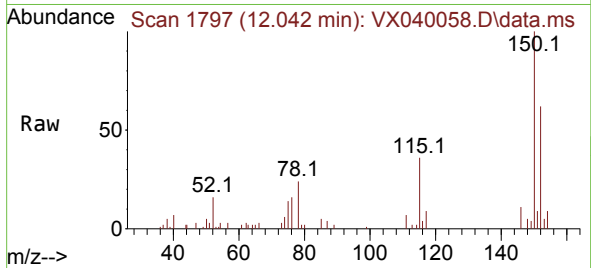
89 0.0 36.9 55.3#



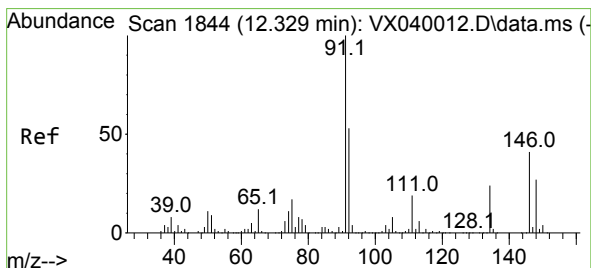
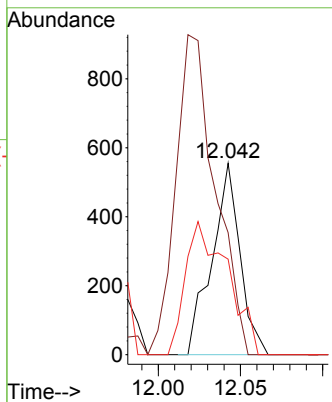
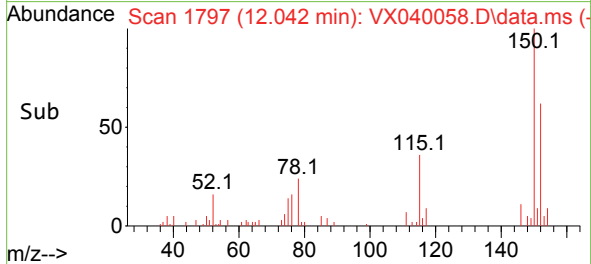


#88
1,4-Dichlorobenzene
Concen: 0.260 ug/l
RT: 12.042 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX040058.D
Acq: 01 Feb 2024 10:10

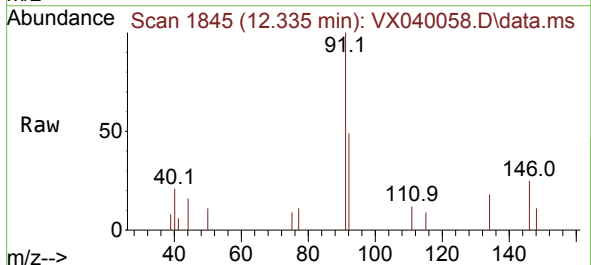
Instrument :
MSVOA_X
ClientSampleId :
VX0201MBL01



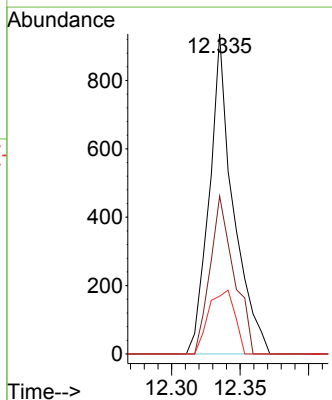
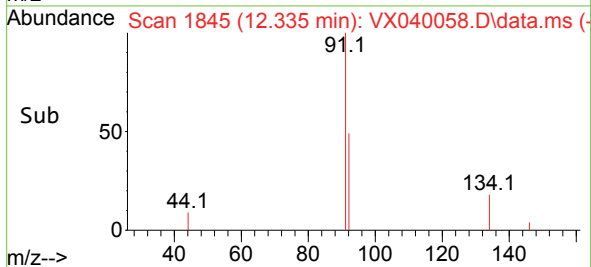
Tgt Ion:146 Resp: 660
Ion Ratio Lower Upper
146 100
111 0.0 21.3 63.7#
148 0.0 31.8 95.4#

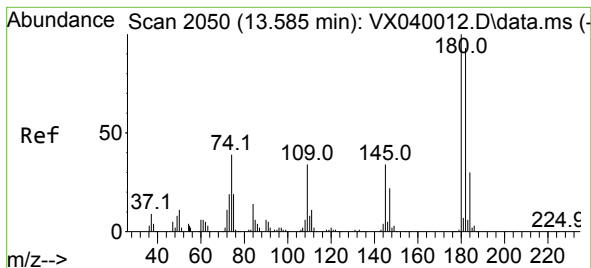


#89
n-Butylbenzene
Concen: 0.246 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.006 min
Lab File: VX040058.D
Acq: 01 Feb 2024 10:10



Tgt Ion: 91 Resp: 1131
Ion Ratio Lower Upper
91 100
92 49.3 27.4 82.0
134 21.9 12.6 37.8

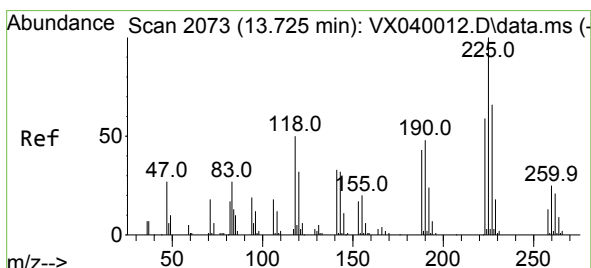
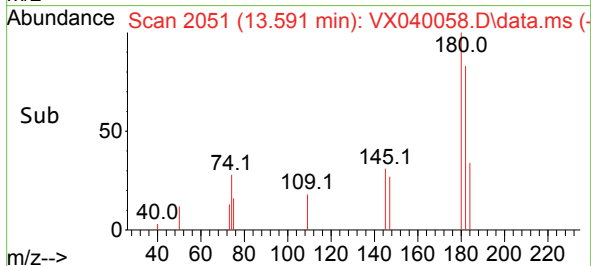
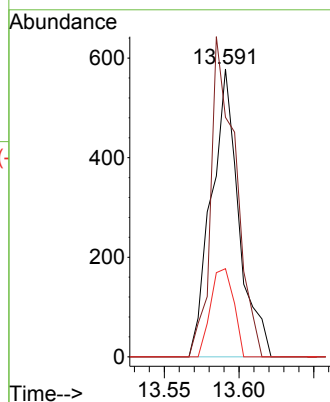
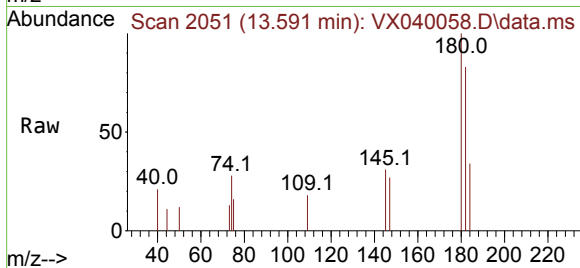




#93
1,2,4-Trichlorobenzene
Concen: 0.495 ug/l
RT: 13.591 min Scan# 2051
Delta R.T. 0.006 min
Lab File: VX040058.D
Acq: 01 Feb 2024 10:10

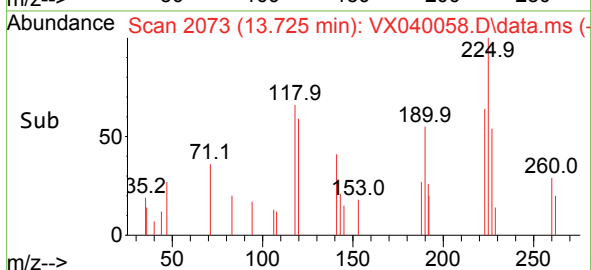
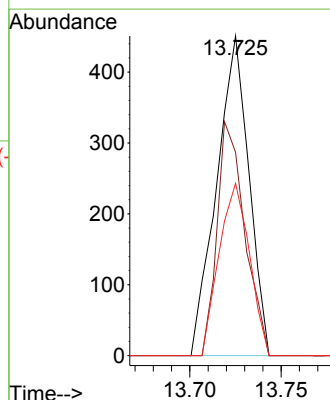
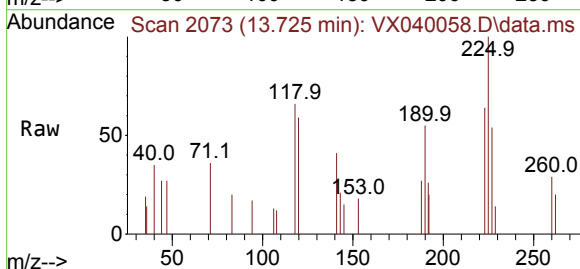
Instrument :
MSVOA_X
ClientSampleId :
VX0201MBL01

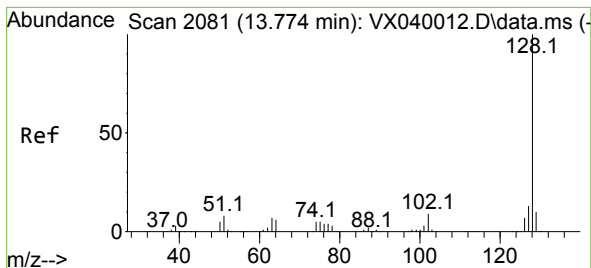
Tgt Ion:180 Resp: 739
Ion Ratio Lower Upper
180 100
182 100.0 48.3 144.8
145 25.7 18.0 54.0



#94
Hexachlorobutadiene
Concen: 0.940 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX040058.D
Acq: 01 Feb 2024 10:10

Tgt Ion:225 Resp: 553
Ion Ratio Lower Upper
225 100
223 62.7 31.1 93.2
227 50.8 32.5 97.5





#95

Naphthalene

Concen: 0.661 ug/l

RT: 13.774 min Scan# 2081

Delta R.T. -0.000 min

Lab File: VX040058.D

Acq: 01 Feb 2024 10:10

Instrument :

MSVOA_X

ClientSampleId :

VX0201MBL01

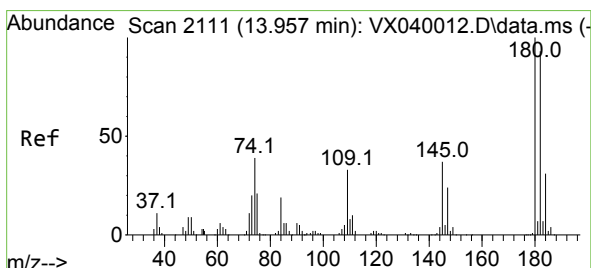
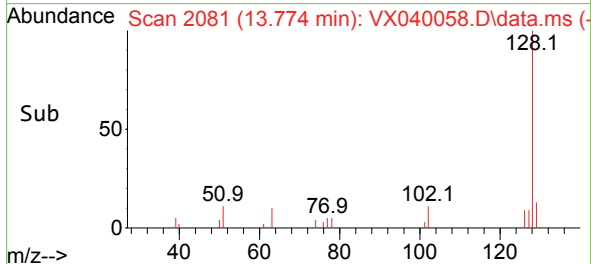
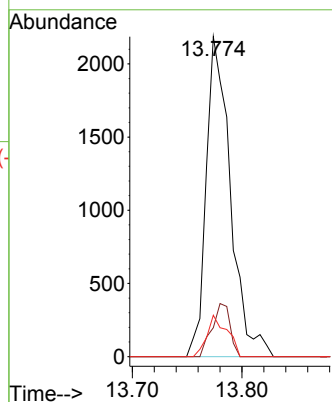
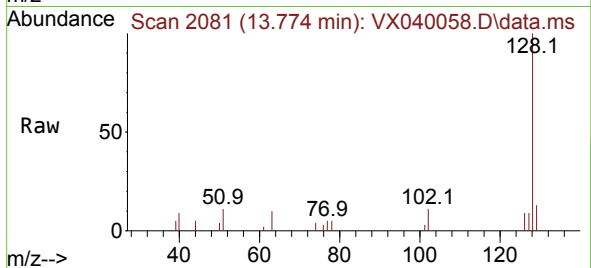
Tgt Ion:128 Resp: 3353

Ion Ratio Lower Upper

128 100

127 12.3 10.3 15.5

129 10.7 8.8 13.2



#96

1,2,3-Trichlorobenzene

Concen: 0.497 ug/l

RT: 13.963 min Scan# 2112

Delta R.T. 0.006 min

Lab File: VX040058.D

Acq: 01 Feb 2024 10:10

Tgt Ion:180 Resp: 734

Ion Ratio Lower Upper

180 100

182 84.5 46.9 140.6

145 33.2 17.8 53.5

