

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040924\
 Data File : VX040950.D
 Acq On : 09 Apr 2024 12:47
 Operator : JC/MD
 Sample : P2026-03DL 5X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 50312DL

Quant Time: Apr 10 00:36:34 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040124W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 02 05:40:55 2024
 Response via : Initial Calibration

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

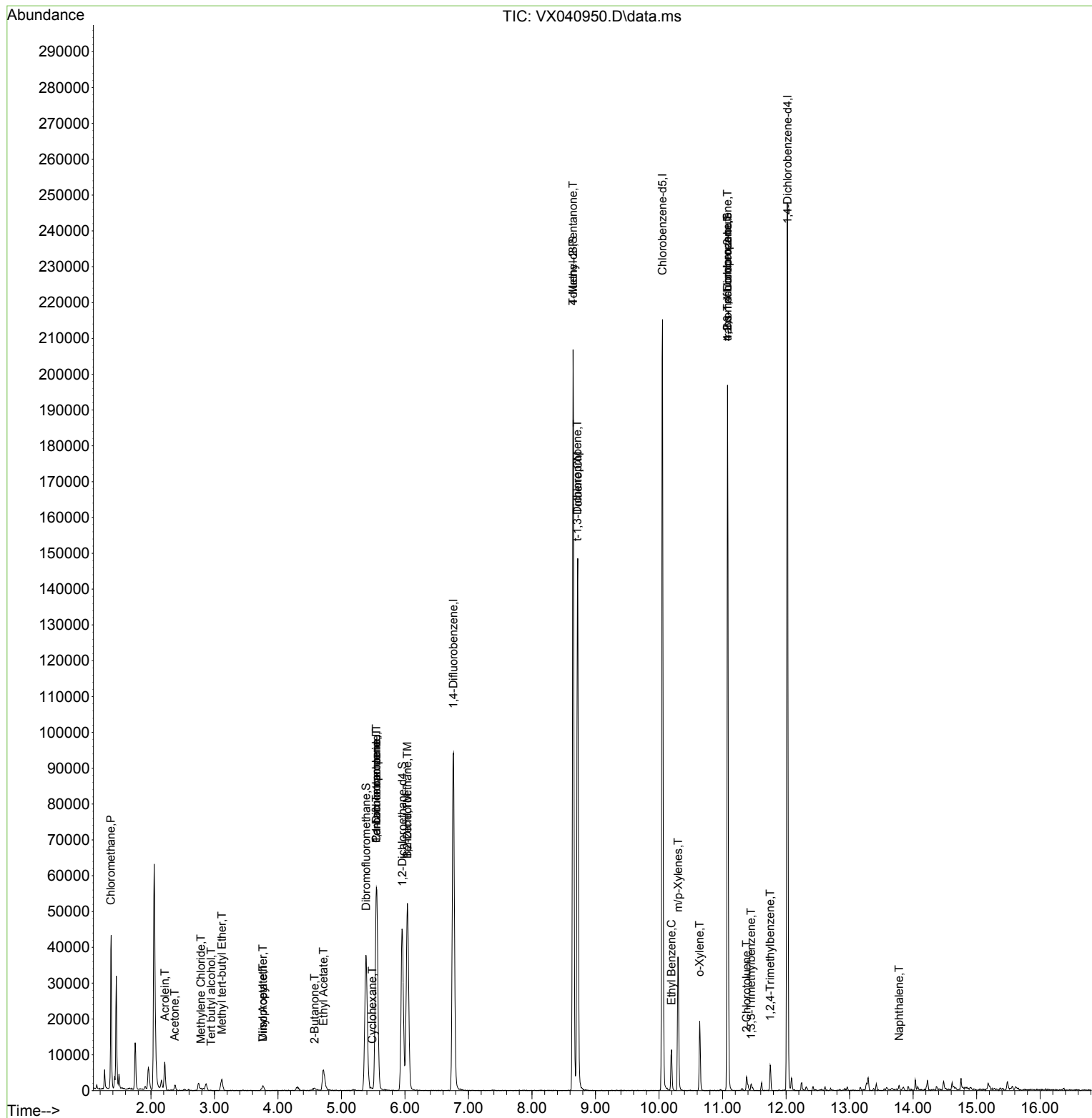
Internal Standards						
1) Pentafluorobenzene	5.550	168	50294	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	91510	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	90715	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	47234	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	47126	52.222	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 104.440%			
35) Dibromofluoromethane	5.385	113	31880	49.185	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.380%			
50) Toluene-d8	8.647	98	116290	49.651	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 99.300%			
62) 4-Bromofluorobenzene	11.079	95	48151	51.481	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 102.960%			
Target Compounds						Qvalue
3) Chloromethane	1.368	50	537	0.912	ug/l #	84
11) Tert butyl alcohol	2.947	59	50	0.303	ug/l #	78
13) Acrolein	2.221	56	141	1.568	ug/l #	1
16) Acetone	2.374	43	1779	5.077	ug/l	97
19) Methyl tert-butyl Ether	3.117	73	3146	1.588	ug/l #	88
20) Methylene Chloride	2.788	84	184	0.283	ug/l #	62
22) Diisopropyl ether	3.764	45	1351	0.689	ug/l #	77
23) Vinyl Acetate	3.764	43	810	0.431	ug/l #	73
25) 2-Butanone	4.574	43	464	0.891	ug/l #	51
31) Cyclohexane	5.483	56	429	0.448	ug/l #	84
36) 1,1-Dichloropropene	5.550	75	4956	5.381	ug/l #	48
37) Ethyl Acetate	4.715	43	10747	9.503	ug/l	96
38) Carbon Tetrachloride	5.550	117	5676	5.567	ug/l #	15
40) Benzene	6.038	78	60057	23.495	ug/l	97
42) 1,2-Dichloroethane	6.038	62	665	0.599	ug/l #	77
51) 4-Methyl-2-Pentanone	8.647	43	597	0.515	ug/l #	1
52) Toluene	8.720	92	54117	33.553	ug/l	94
53) t-1,3-Dichloropropene	8.714	75	702	1.408	ug/l #	1
67) Ethyl Benzene	10.195	91	6695	1.892	ug/l	96
68) m/p-Xylenes	10.299	106	8141	6.324	ug/l	90
69) o-Xylene	10.640	106	3746	3.089	ug/l	88
76) 1,2,3-Trichloropropane	11.079	75	28685	28.479	ug/l #	38
79) 2-Chlorotoluene	11.378	91	508	0.206	ug/l #	42
80) 1,3,5-Trimethylbenzene	11.451	105	1221	0.433	ug/l	81
81) trans-1,4-Dichloro-2-b...	11.079	75	28685	76.838	ug/l #	5
84) 1,2,4-Trimethylbenzene	11.750	105	3349	1.180	ug/l	97
95) Naphthalene	13.780	128	1126	0.329	ug/l #	93

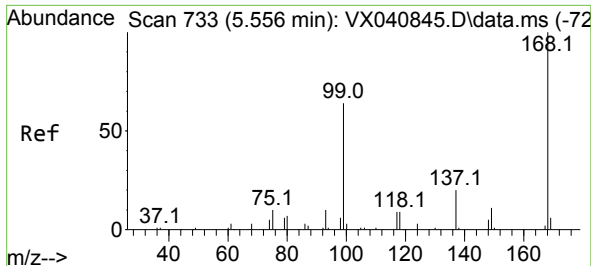
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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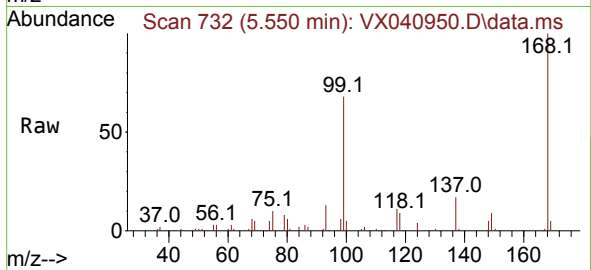
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX040950.D
Acq: 09 Apr 2024 12:47

Instrument :

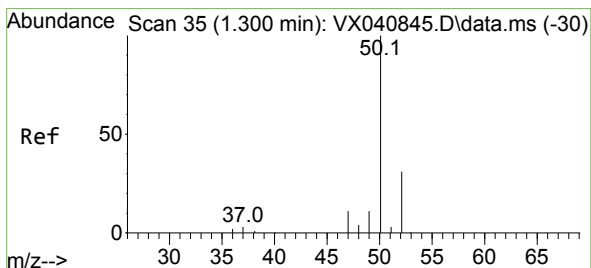
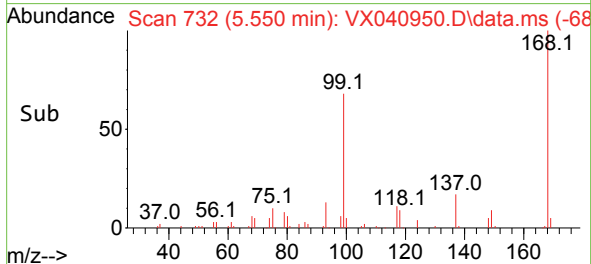
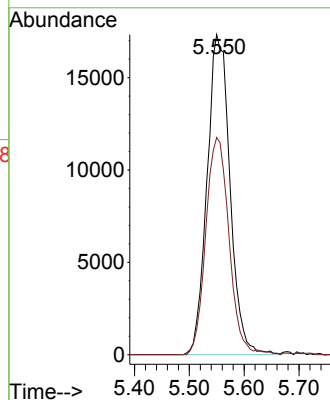
MSVOA_X

ClientSampleId :

50312DL

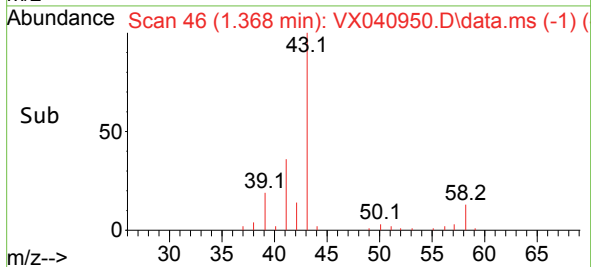
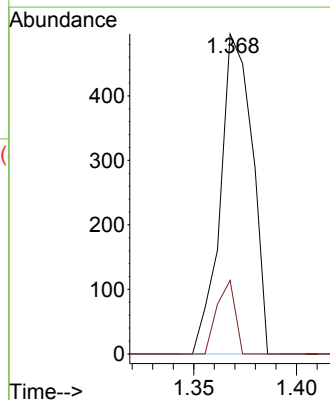
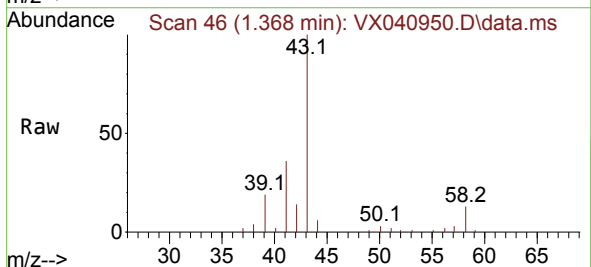


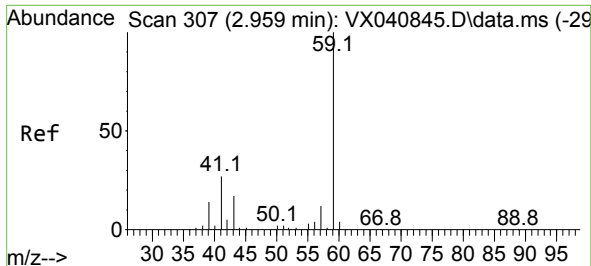
Tgt Ion:168 Resp: 50294
Ion Ratio Lower Upper
168 100
99 67.9 56.6 85.0



#3
Chloromethane
Concen: 0.912 ug/l
RT: 1.368 min Scan# 46
Delta R.T. 0.067 min
Lab File: VX040950.D
Acq: 09 Apr 2024 12:47

Tgt Ion: 50 Resp: 537
Ion Ratio Lower Upper
50 100
52 23.0 25.5 38.3#





#11

Tert butyl alcohol

Concen: 0.303 ug/l

RT: 2.947 min Scan# 307

Delta R.T. -0.012 min

Lab File: VX040950.D

Acq: 09 Apr 2024 12:47

Instrument :

MSVOA_X

ClientSampleId :

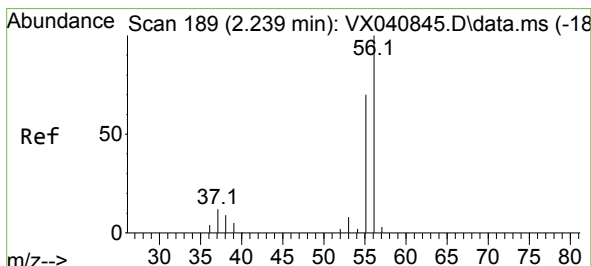
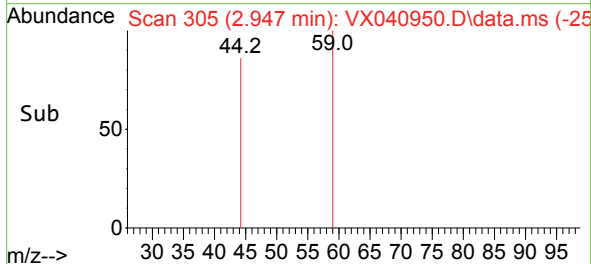
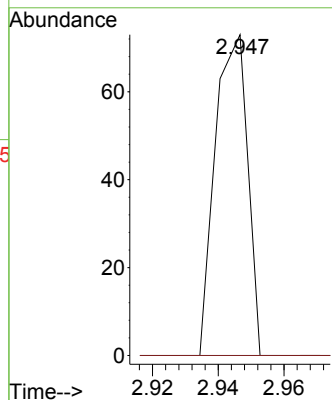
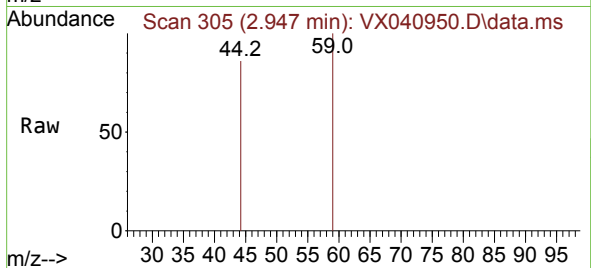
50312DL

Tgt Ion: 59 Resp: 50

Ion Ratio Lower Upper

59 100

57 0.0 6.0 9.0#



#13

Acrolein

Concen: 1.568 ug/l

RT: 2.221 min Scan# 186

Delta R.T. -0.018 min

Lab File: VX040950.D

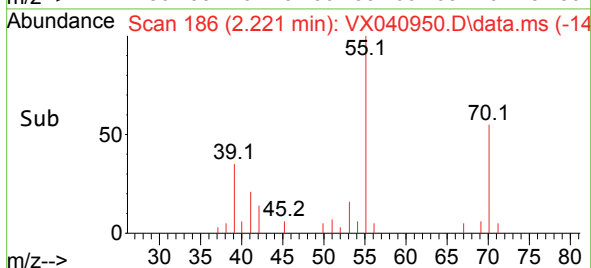
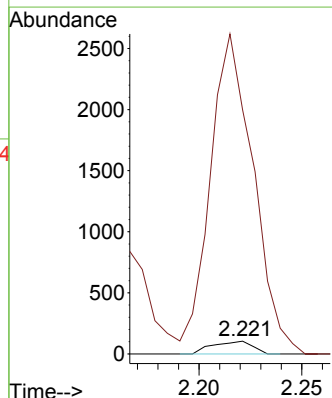
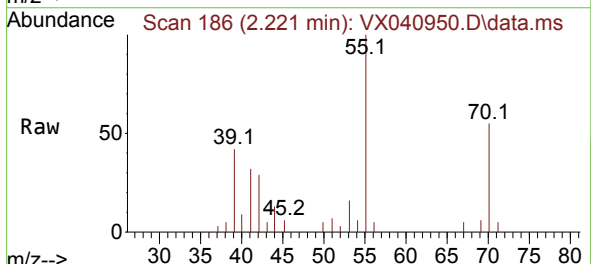
Acq: 09 Apr 2024 12:47

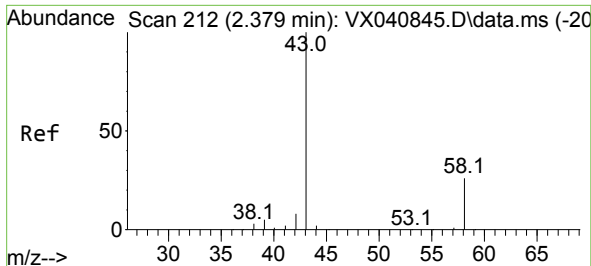
Tgt Ion: 56 Resp: 141

Ion Ratio Lower Upper

56 100

55 2705.0 57.1 85.7#

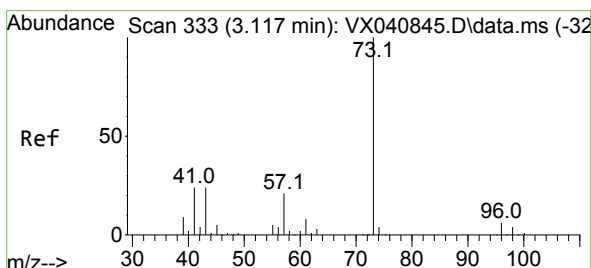
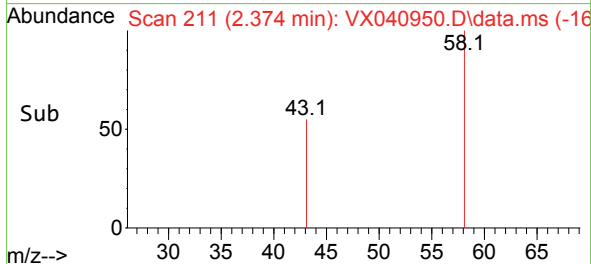
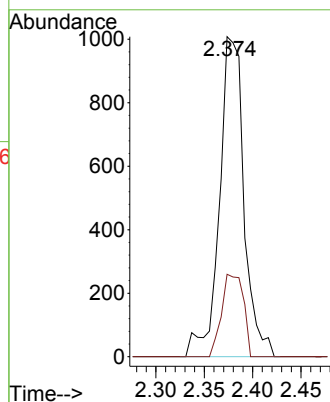
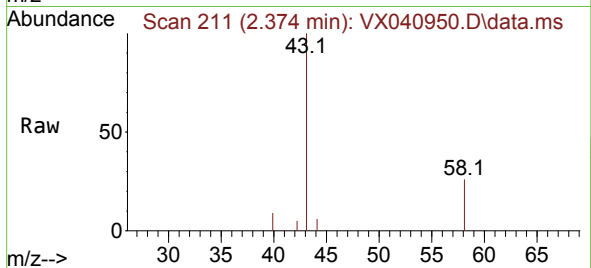




#16
Acetone
Concen: 5.077 ug/l
RT: 2.374 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX040950.D
Acq: 09 Apr 2024 12:47

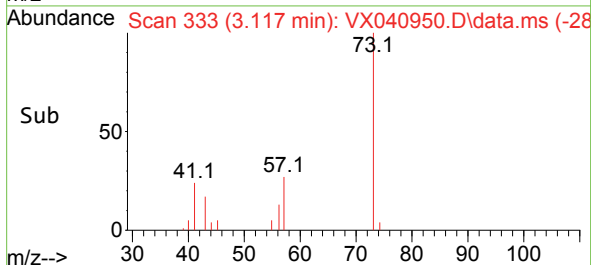
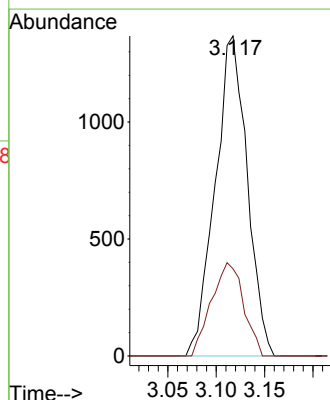
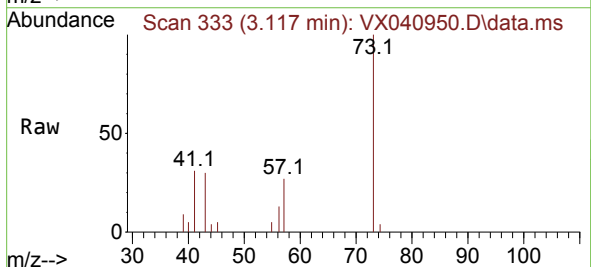
Instrument :
MSVOA_X
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50312DL

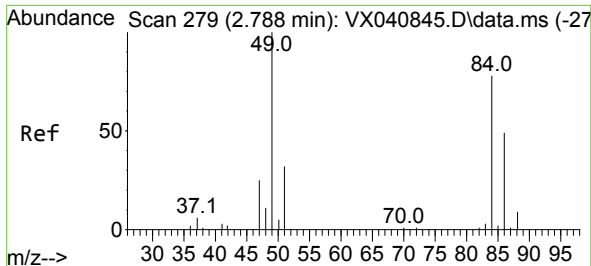
Tgt Ion: 43 Resp: 1779
Ion Ratio Lower Upper
43 100
58 25.8 21.9 32.9



#19
Methyl tert-butyl Ether
Concen: 1.588 ug/l
RT: 3.117 min Scan# 333
Delta R.T. 0.000 min
Lab File: VX040950.D
Acq: 09 Apr 2024 12:47

Tgt Ion: 73 Resp: 3146
Ion Ratio Lower Upper
73 100
57 27.3 17.3 25.9#



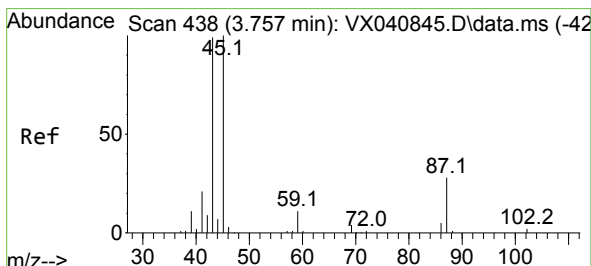
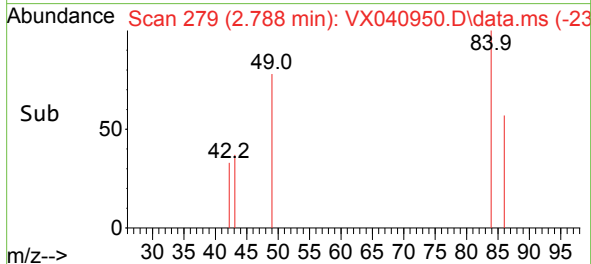
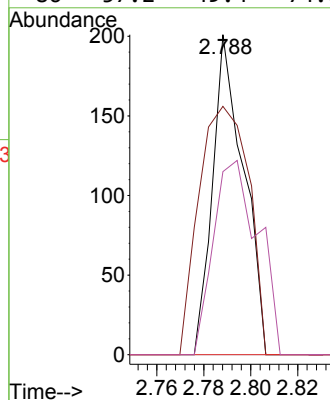
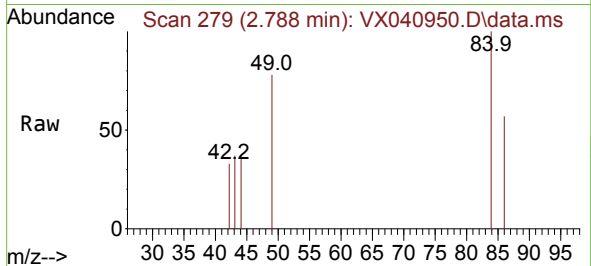


#20
Methylene Chloride
Concen: 0.283 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX040950.D
Acq: 09 Apr 2024 12:47

Instrument :
MSVOA_X
ClientSampleId :
50312DL

Tgt Ion: 84 Resp: 184

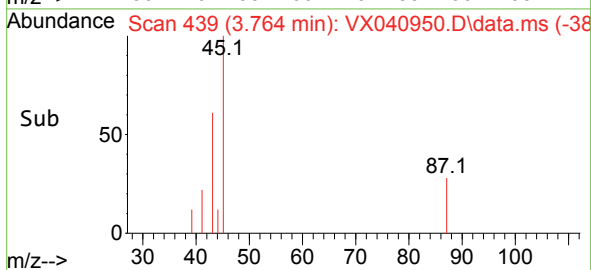
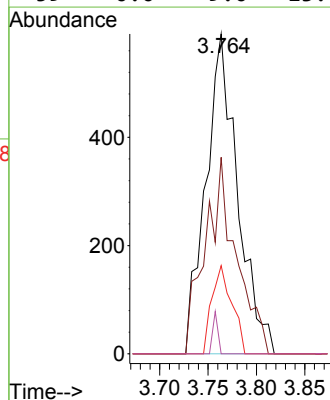
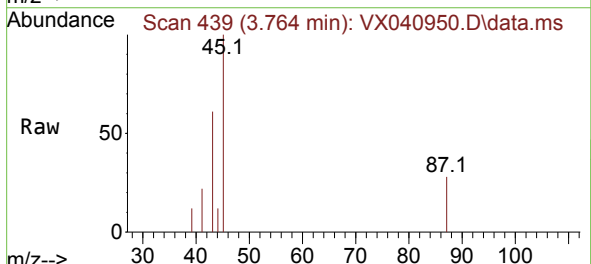
Ion	Ratio	Lower	Upper
84	100		
49	77.6	103.6	155.4#
51	0.0	33.8	50.6#
86	57.2	49.4	74.0

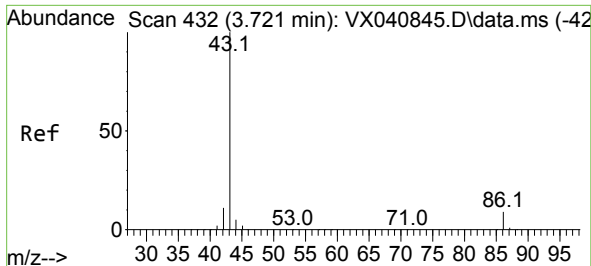


#22
Diisopropyl ether
Concen: 0.689 ug/l
RT: 3.764 min Scan# 439
Delta R.T. 0.006 min
Lab File: VX040950.D
Acq: 09 Apr 2024 12:47

Tgt Ion: 45 Resp: 1351

Ion	Ratio	Lower	Upper
45	100		
43	61.4	69.7	104.5#
87	27.6	20.8	31.2
59	0.0	9.0	13.4#

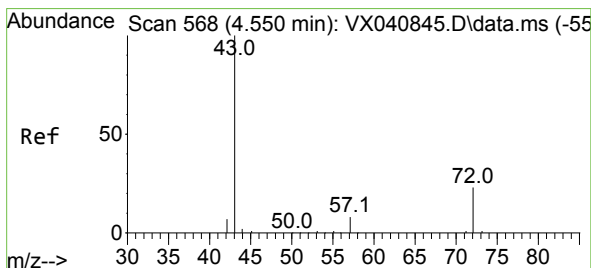
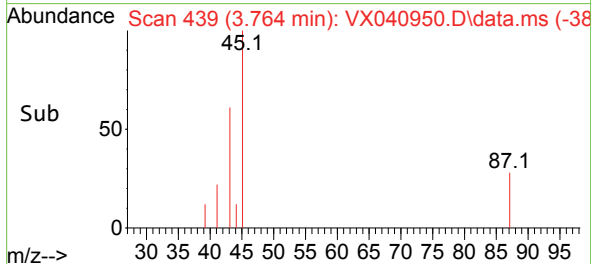
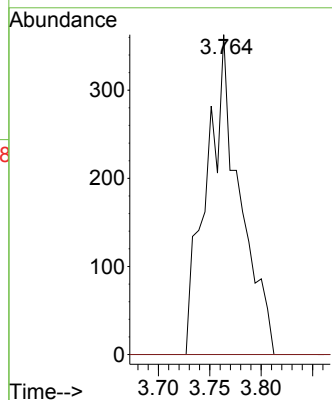
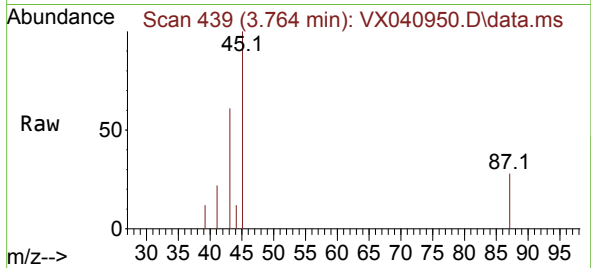




#23
 Vinyl Acetate
 Concen: 0.431 ug/l
 RT: 3.764 min Scan# 41
 Delta R.T. 0.043 min
 Lab File: VX040950.D
 Acq: 09 Apr 2024 12:47

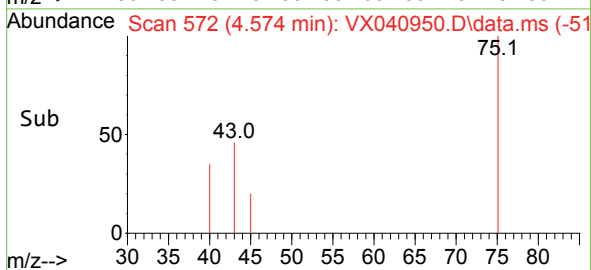
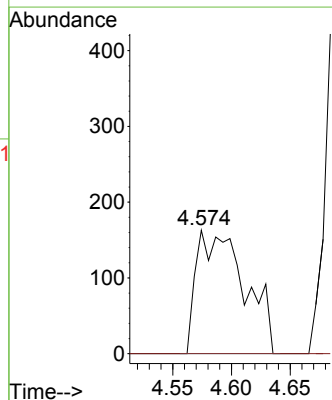
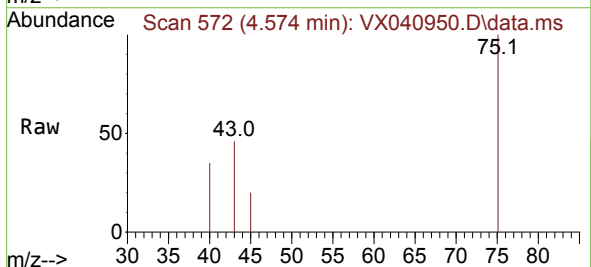
Instrument :
 MSVOA_X
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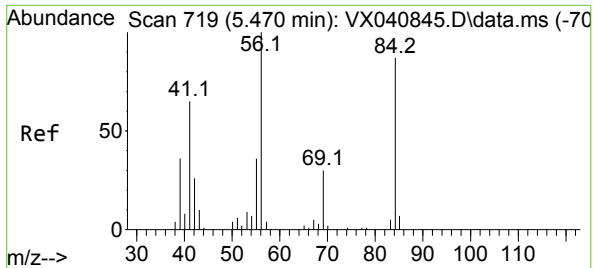
Tgt Ion: 43 Resp: 810
 Ion Ratio Lower Upper
 43 100
 86 0.0 7.8 11.8#



#25
 2-Butanone
 Concen: 0.891 ug/l
 RT: 4.574 min Scan# 572
 Delta R.T. 0.025 min
 Lab File: VX040950.D
 Acq: 09 Apr 2024 12:47

Tgt Ion: 43 Resp: 464
 Ion Ratio Lower Upper
 43 100
 72 0.0 19.4 29.2#

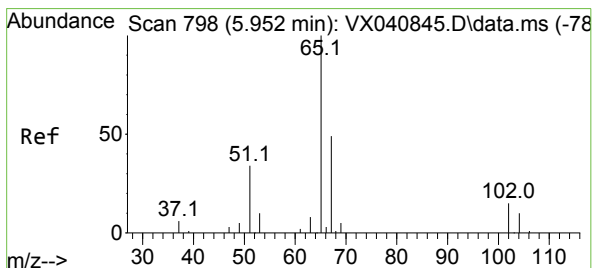
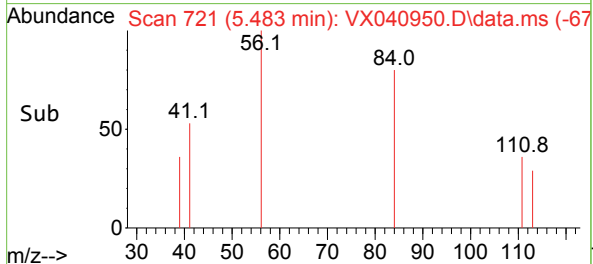
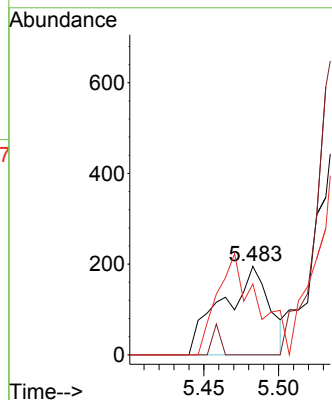
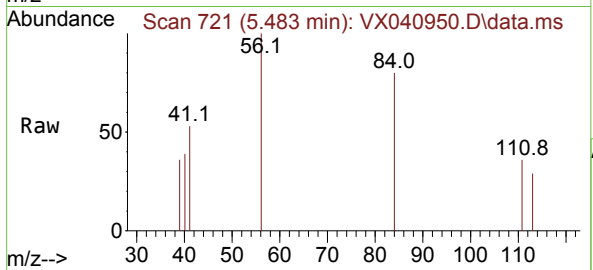




#31
Cyclohexane
Concen: 0.448 ug/l
RT: 5.483 min Scan# 719
Delta R.T. 0.012 min
Lab File: VX040950.D
Acq: 09 Apr 2024 12:47

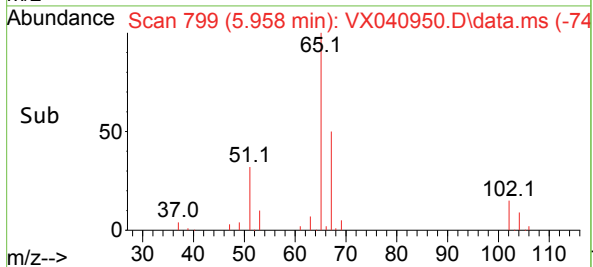
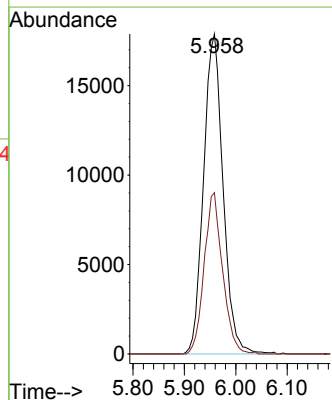
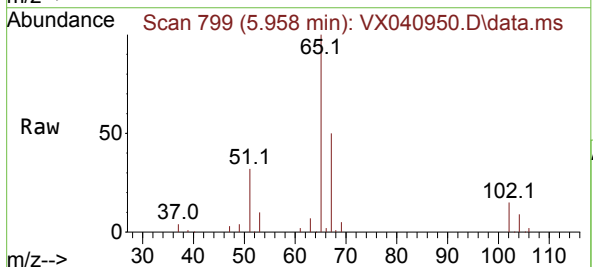
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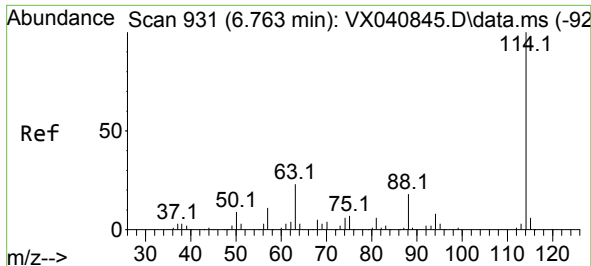
Tgt Ion: 56 Resp: 429
Ion Ratio Lower Upper
56 100
69 0.0 23.4 35.2#
84 80.0 65.9 98.9



#33
1,2-Dichloroethane-d4
Concen: 52.222 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.006 min
Lab File: VX040950.D
Acq: 09 Apr 2024 12:47

Tgt Ion: 65 Resp: 47126
Ion Ratio Lower Upper
65 100
67 47.7 0.0 100.2

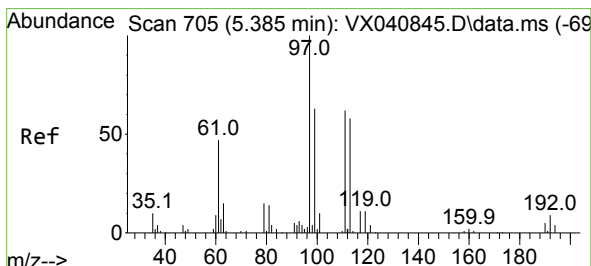
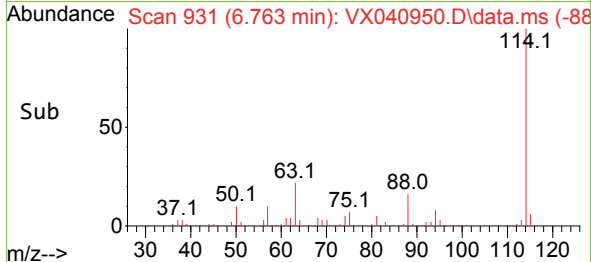
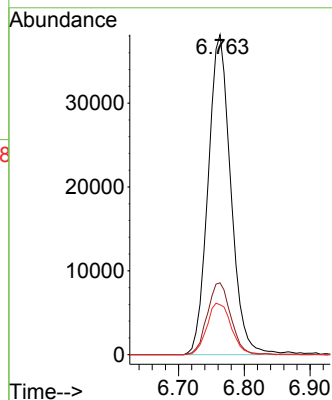
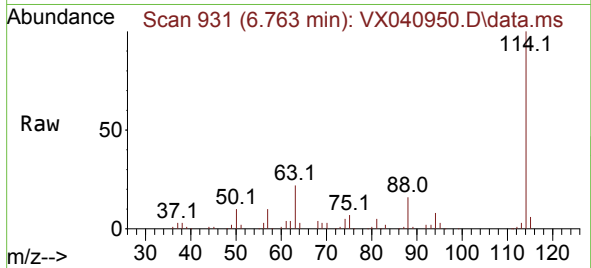




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX040950.D
Acq: 09 Apr 2024 12:47

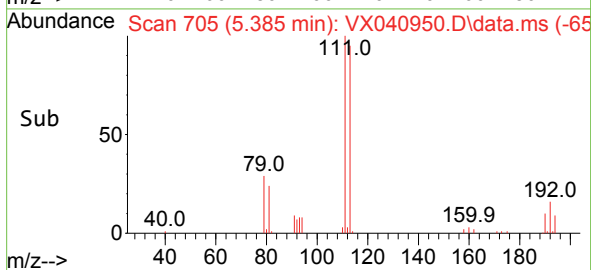
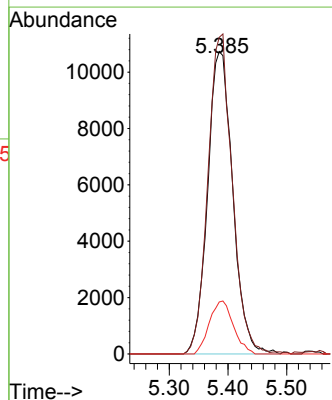
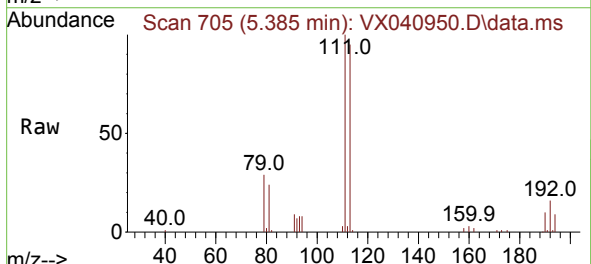
Instrument :
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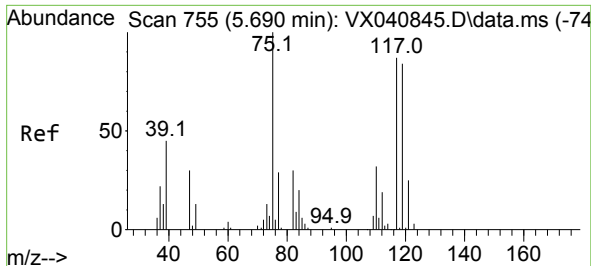
Tgt Ion:114 Resp: 91510
Ion Ratio Lower Upper
114 100
63 22.5 0.0 45.0
88 15.6 0.0 36.6



#35
Dibromofluoromethane
Concen: 49.185 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX040950.D
Acq: 09 Apr 2024 12:47

Tgt Ion:113 Resp: 31880
Ion Ratio Lower Upper
113 100
111 102.6 82.9 124.3
192 16.7 13.3 19.9

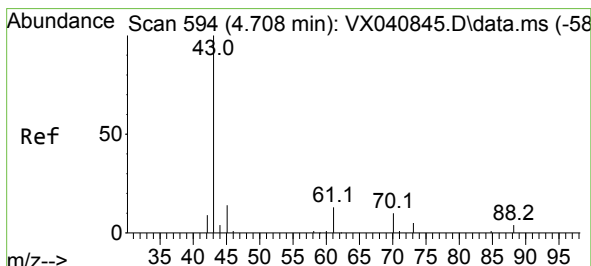
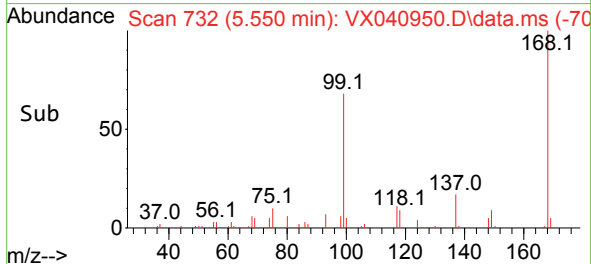
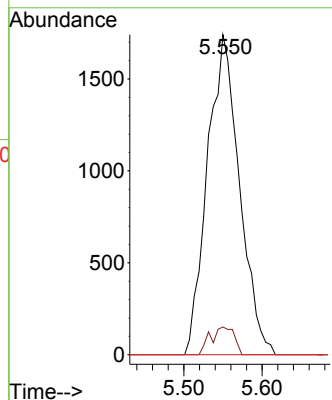
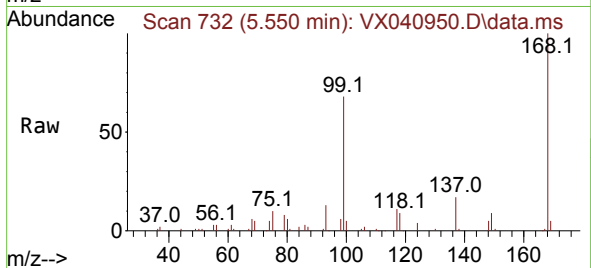




#36
1,1-Dichloropropene
Concen: 5.381 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX040950.D
Acq: 09 Apr 2024 12:47

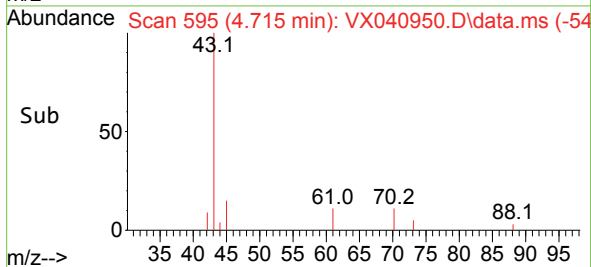
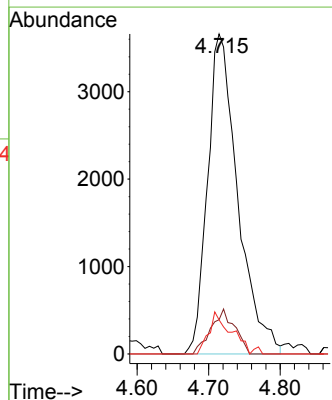
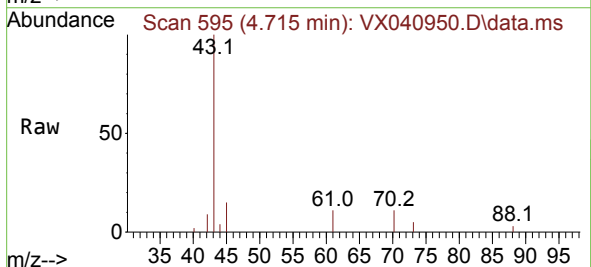
Instrument :
MSVOA_X
ClientSampleId :
50312DL

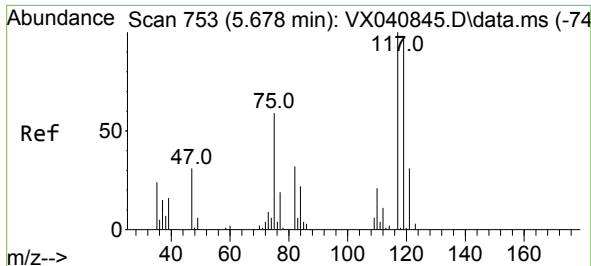
Tgt Ion: 75 Resp: 4956
Ion Ratio Lower Upper
75 100
110 6.4 17.0 50.9#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 9.503 ug/l
RT: 4.715 min Scan# 595
Delta R.T. 0.006 min
Lab File: VX040950.D
Acq: 09 Apr 2024 12:47

Tgt Ion: 43 Resp: 10747
Ion Ratio Lower Upper
43 100
61 11.0 10.6 16.0
70 9.7 8.3 12.5

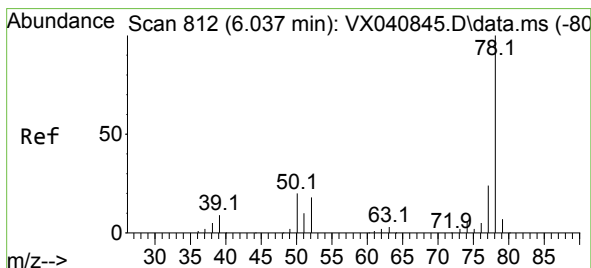
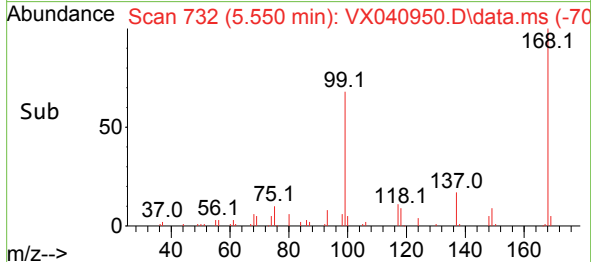
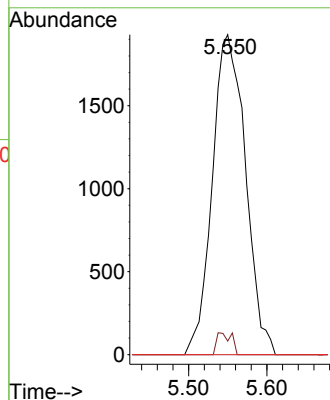
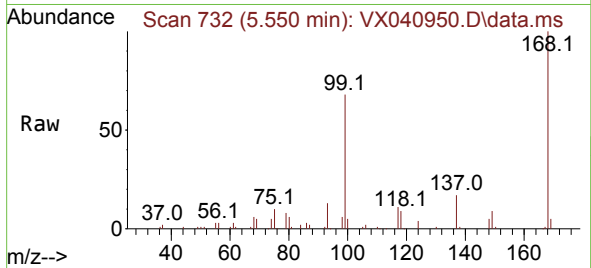




#38
Carbon Tetrachloride
Concen: 5.567 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX040950.D
Acq: 09 Apr 2024 12:47

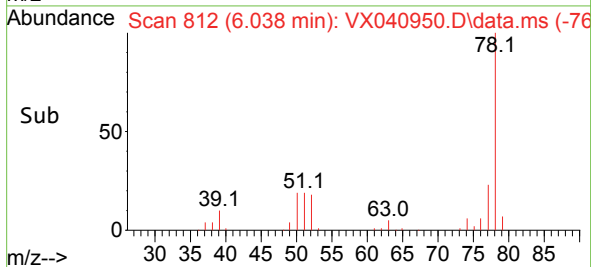
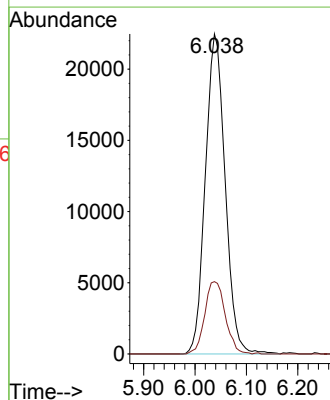
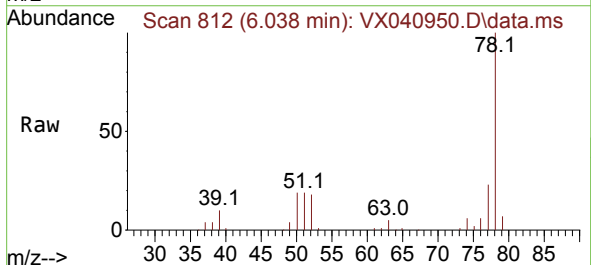
Instrument :
MSVOA_X
ClientSampleId :
50312DL

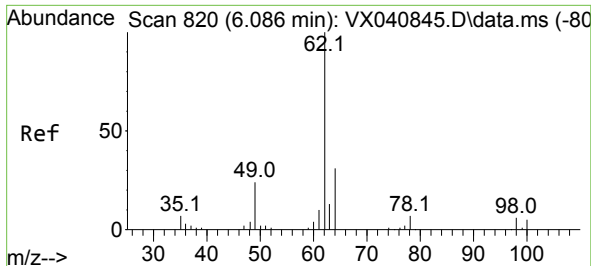
Tgt Ion:117 Resp: 5676
Ion Ratio Lower Upper
117 100
119 4.3 78.2 117.2#
121 0.0 24.4 36.6#



#40
Benzene
Concen: 23.495 ug/l
RT: 6.038 min Scan# 812
Delta R.T. 0.000 min
Lab File: VX040950.D
Acq: 09 Apr 2024 12:47

Tgt Ion: 78 Resp: 60057
Ion Ratio Lower Upper
78 100
77 22.6 19.3 28.9





#42

1,2-Dichloroethane

Concen: 0.599 ug/l

RT: 6.038 min Scan# 81

Delta R.T. -0.049 min

Lab File: VX040950.D

Acq: 09 Apr 2024 12:47

Instrument :

MSVOA_X

ClientSampleId :

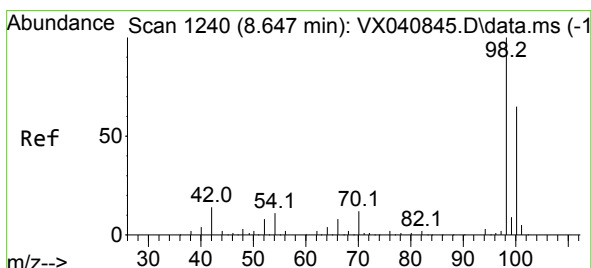
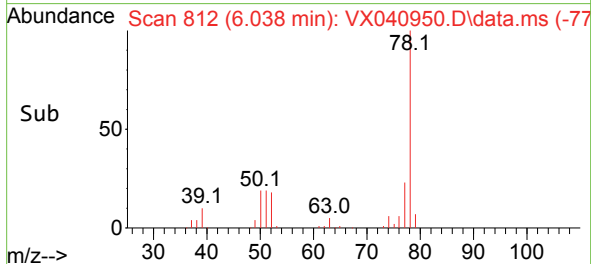
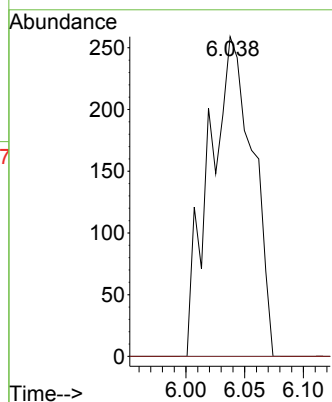
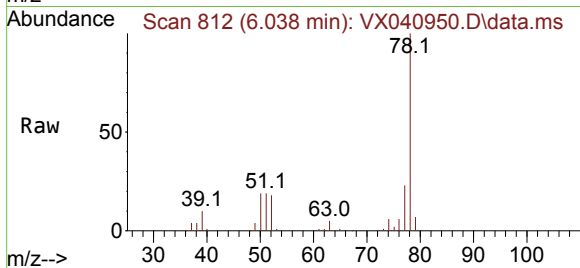
50312DL

Tgt Ion: 62 Resp: 665

Ion Ratio Lower Upper

62 100

98 0.0 0.0 16.0



#50

Toluene-d8

Concen: 49.651 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.000 min

Lab File: VX040950.D

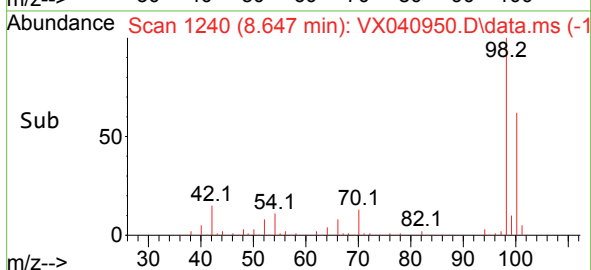
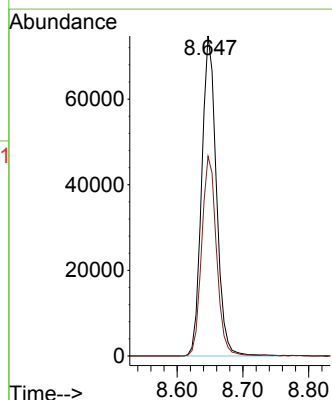
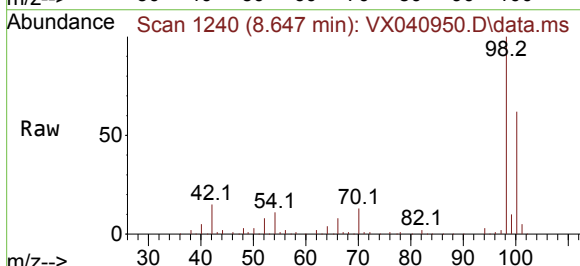
Acq: 09 Apr 2024 12:47

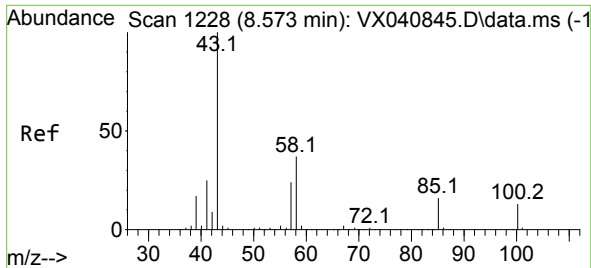
Tgt Ion: 98 Resp: 116290

Ion Ratio Lower Upper

98 100

100 62.7 53.1 79.7

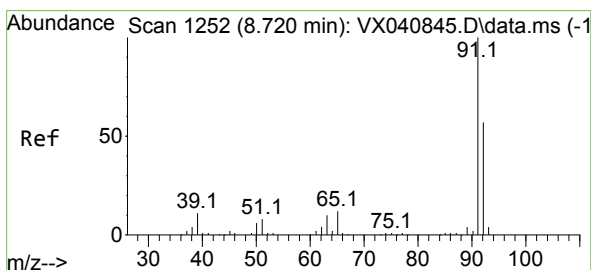
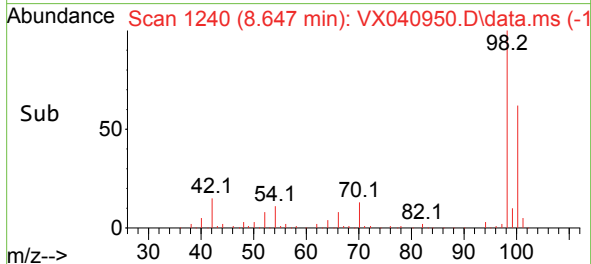
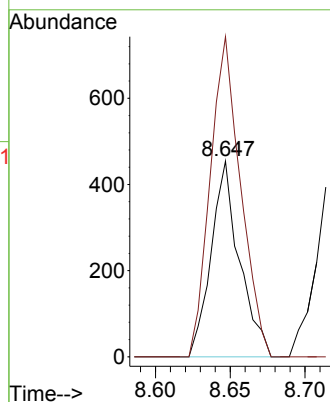
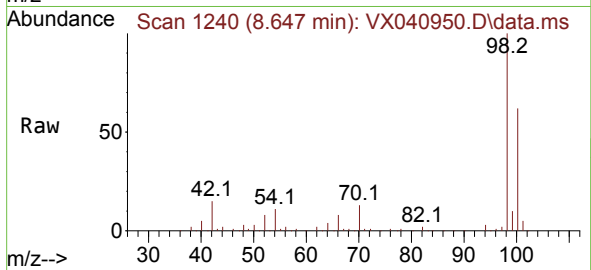




#51
4-Methyl-2-Pentanone
Concen: 0.515 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.073 min
Lab File: VX040950.D
Acq: 09 Apr 2024 12:47

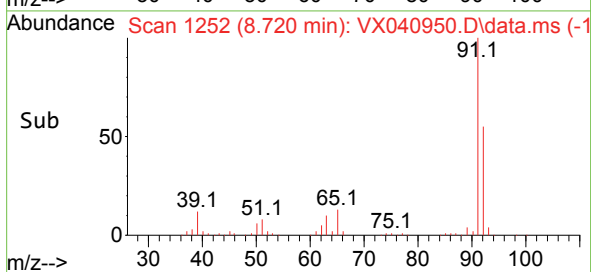
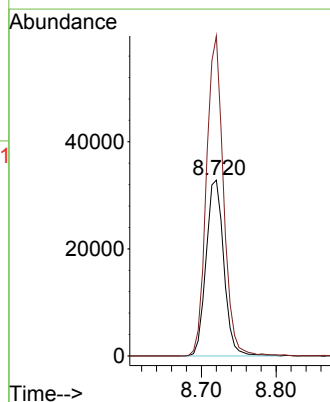
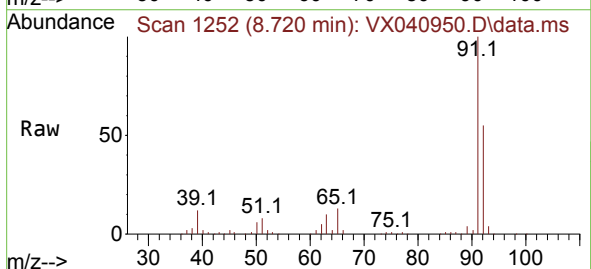
Instrument :
MSVOA_X
ClientSampleId :
50312DL

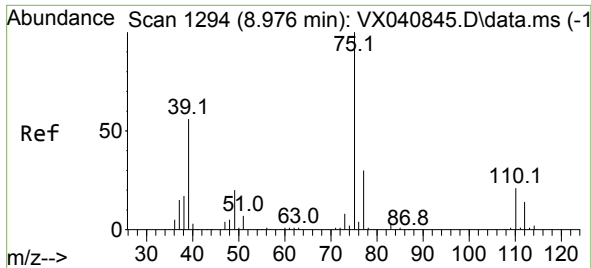
Tgt Ion: 43 Resp: 597
Ion Ratio Lower Upper
43 100
58 176.0 30.4 45.6#



#52
Toluene
Concen: 33.553 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.000 min
Lab File: VX040950.D
Acq: 09 Apr 2024 12:47

Tgt Ion: 92 Resp: 54117
Ion Ratio Lower Upper
92 100
91 175.4 134.2 201.2

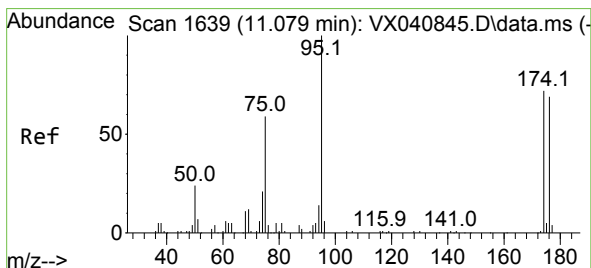
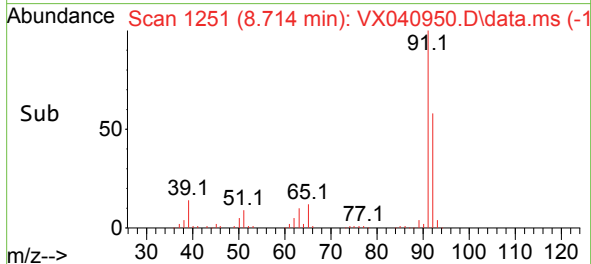
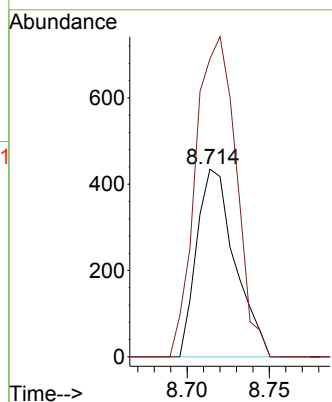
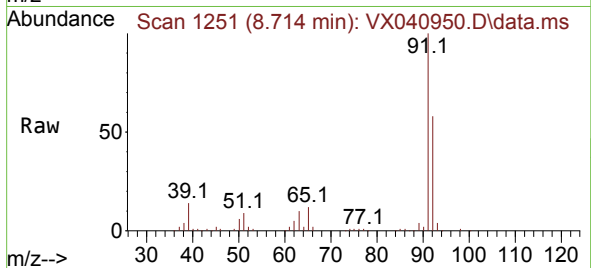




#53
 t-1,3-Dichloropropene
 Concen: 1.408 ug/l
 RT: 8.714 min Scan# 11
 Delta R.T. -0.262 min
 Lab File: VX040950.D
 Acq: 09 Apr 2024 12:47

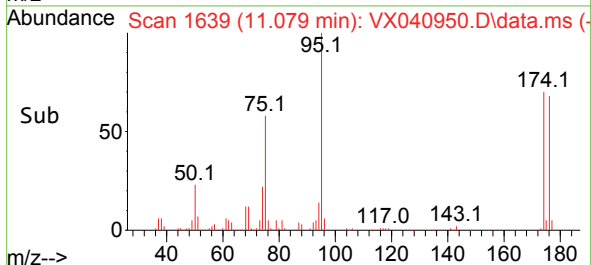
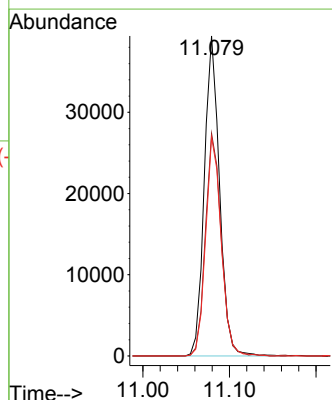
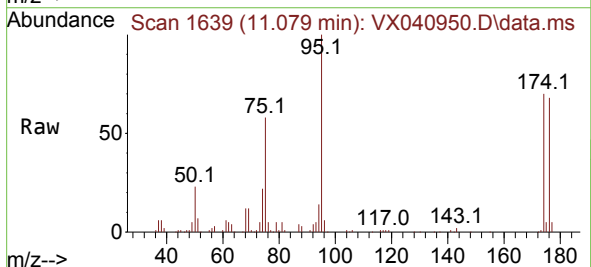
Instrument :
 MSVOA_X
 ClientSampleId :
 50312DL

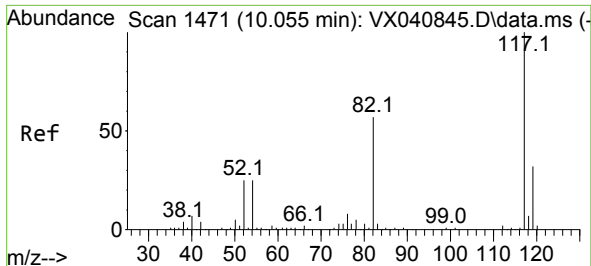
Tgt Ion: 75 Resp: 702
 Ion Ratio Lower Upper
 75 100
 77 158.9 25.7 38.5#



#62
 4-Bromofluorobenzene
 Concen: 51.481 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. 0.000 min
 Lab File: VX040950.D
 Acq: 09 Apr 2024 12:47

Tgt Ion: 95 Resp: 48151
 Ion Ratio Lower Upper
 95 100
 174 72.1 0.0 135.6
 176 69.9 0.0 131.0

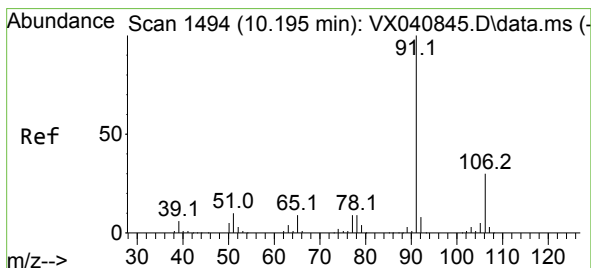
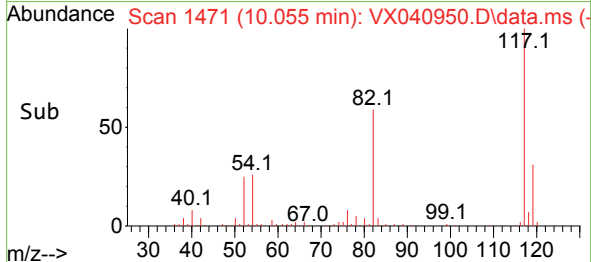
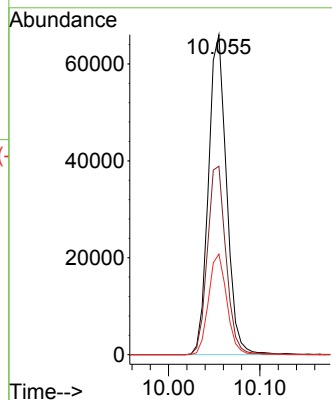
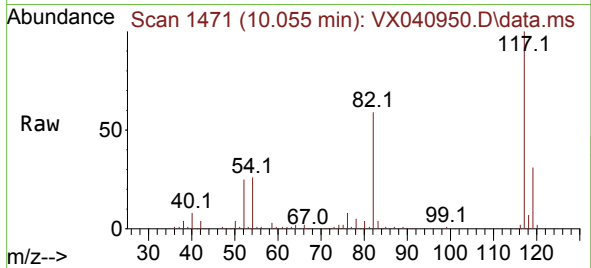




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX040950.D
Acq: 09 Apr 2024 12:47

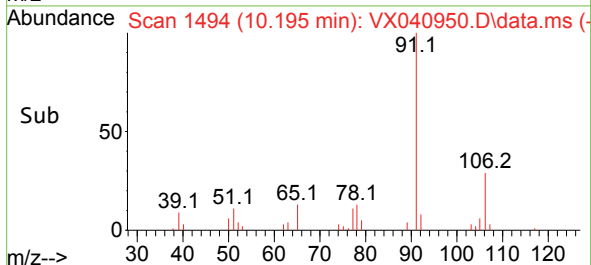
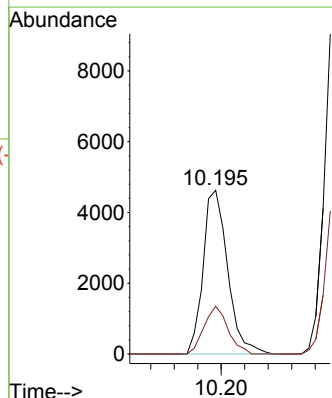
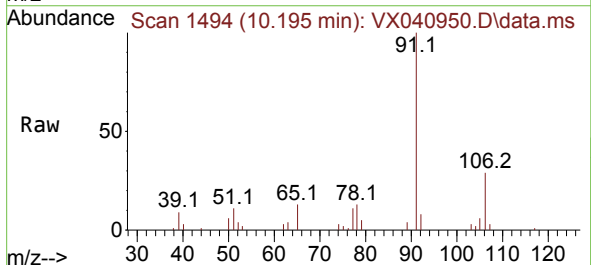
Instrument :
MSVOA_X
ClientSampleId :
50312DL

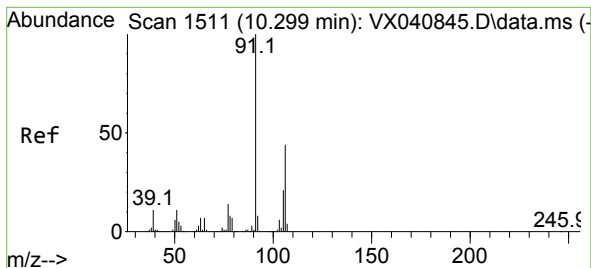
Tgt Ion:117 Resp: 90715
Ion Ratio Lower Upper
117 100
82 58.9 46.2 69.4
119 31.5 25.5 38.3



#67
Ethyl Benzene
Concen: 1.892 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX040950.D
Acq: 09 Apr 2024 12:47

Tgt Ion: 91 Resp: 6695
Ion Ratio Lower Upper
91 100
106 29.2 24.9 37.3

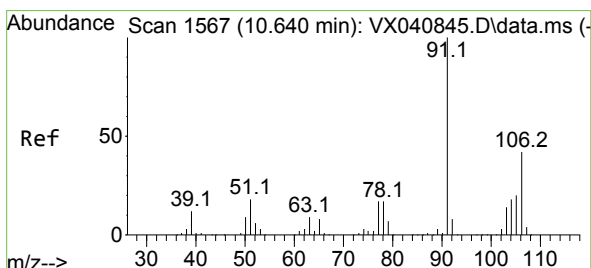
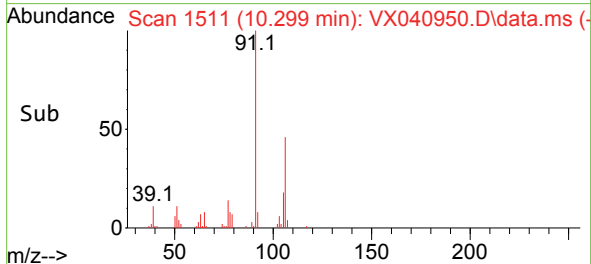
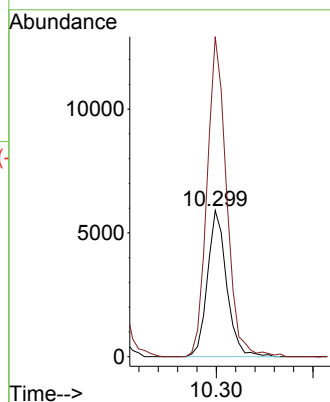
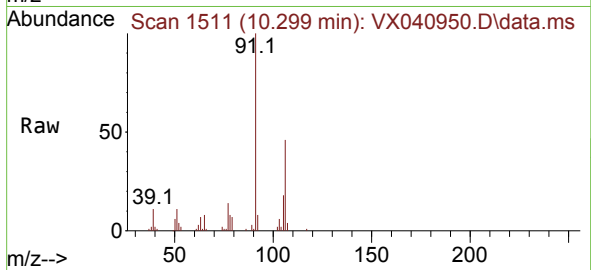




#68
m/p-Xylenes
Concen: 6.324 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX040950.D
Acq: 09 Apr 2024 12:47

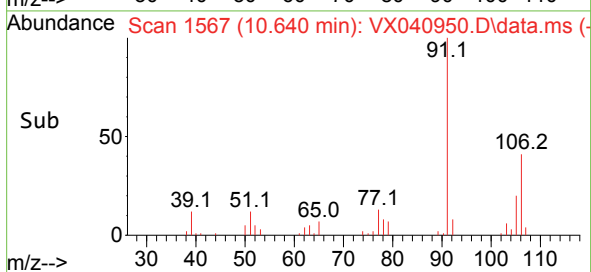
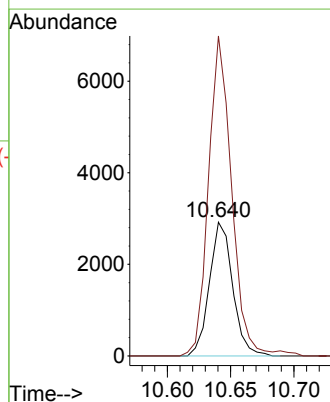
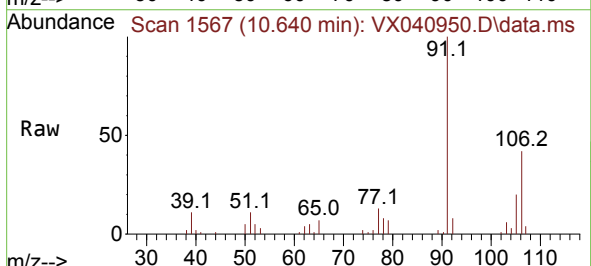
Instrument :
MSVOA_X
ClientSampleId :
50312DL

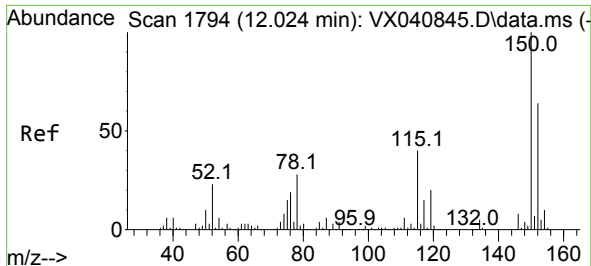
Tgt Ion:106 Resp: 8141
Ion Ratio Lower Upper
106 100
91 221.7 165.5 248.3



#69
o-Xylene
Concen: 3.089 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX040950.D
Acq: 09 Apr 2024 12:47

Tgt Ion:106 Resp: 3746
Ion Ratio Lower Upper
106 100
91 237.6 108.9 326.8

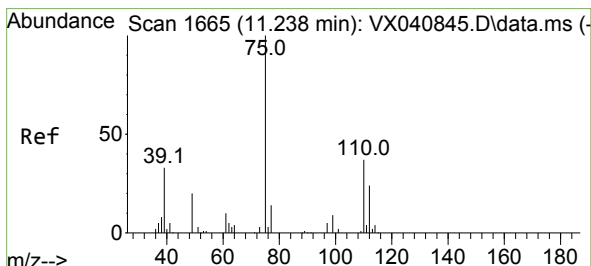
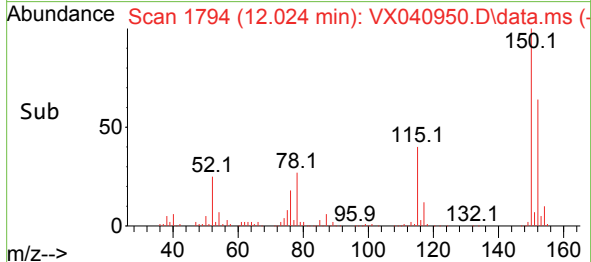
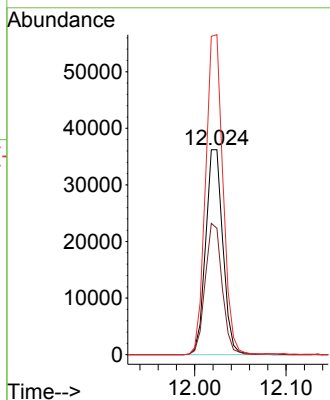
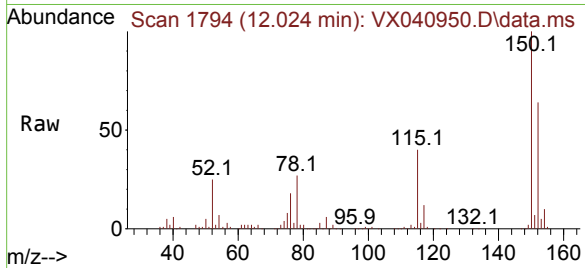




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX040950.D
 Acq: 09 Apr 2024 12:47

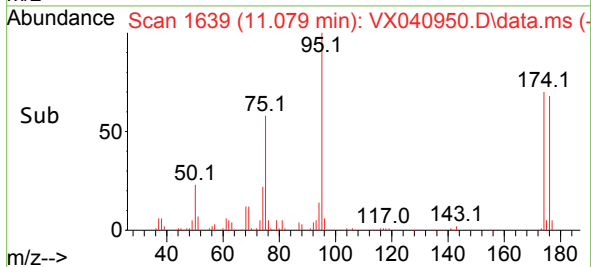
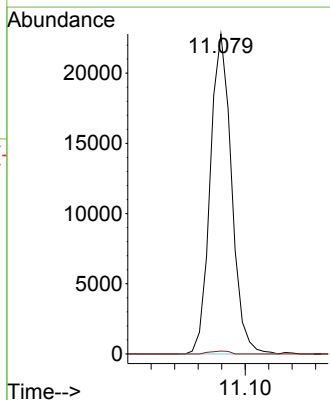
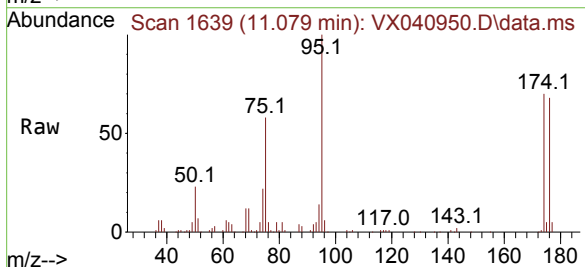
Instrument :
 MSVOA_X
 ClientSampleId :
 50312DL

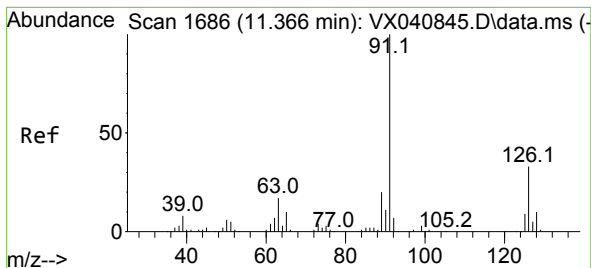
Tgt Ion:152 Resp: 47234
 Ion Ratio Lower Upper
 152 100
 115 63.2 43.3 129.9
 150 157.5 0.0 345.0



#76
 1,2,3-Trichloropropane
 Concen: 28.479 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.158 min
 Lab File: VX040950.D
 Acq: 09 Apr 2024 12:47

Tgt Ion: 75 Resp: 28685
 Ion Ratio Lower Upper
 75 100
 77 0.8 19.1 57.5#





#79

2-Chlorotoluene

Concen: 0.206 ug/l

RT: 11.378 min Scan# 1

Delta R.T. 0.012 min

Lab File: VX040950.D

Acq: 09 Apr 2024 12:47

Instrument :

MSVOA_X

ClientSampleId :

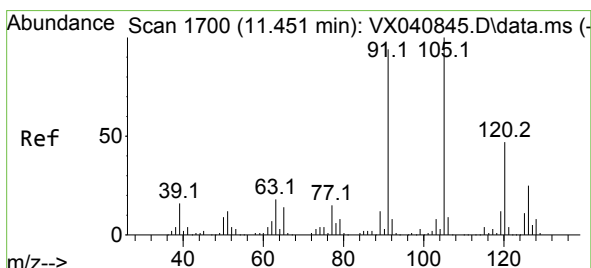
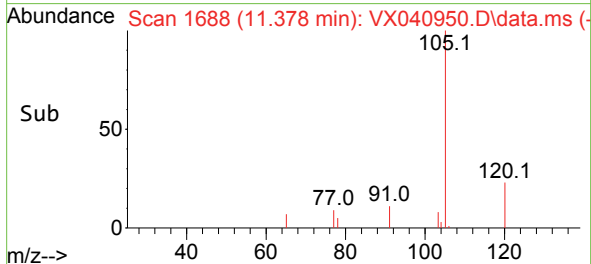
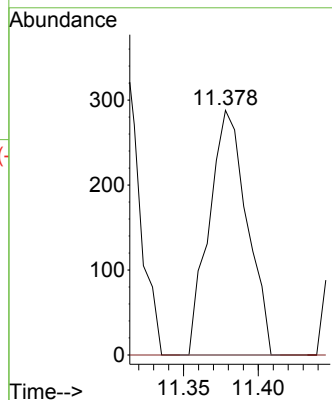
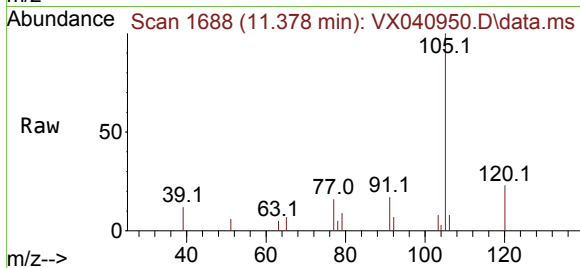
50312DL

Tgt Ion: 91 Resp: 508

Ion Ratio Lower Upper

91 100

126 0.0 16.3 48.8#



#80

1,3,5-Trimethylbenzene

Concen: 0.433 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VX040950.D

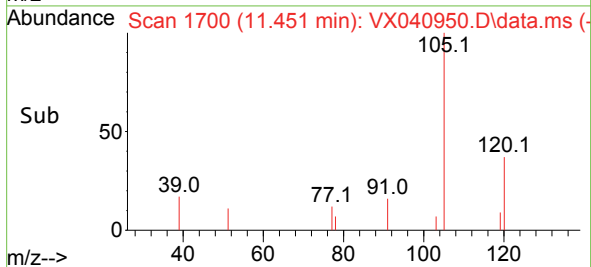
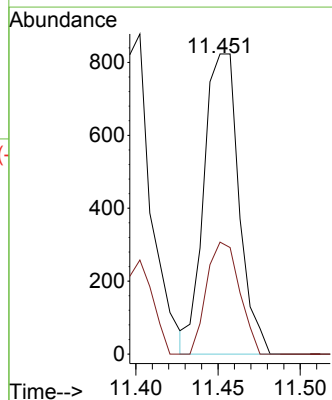
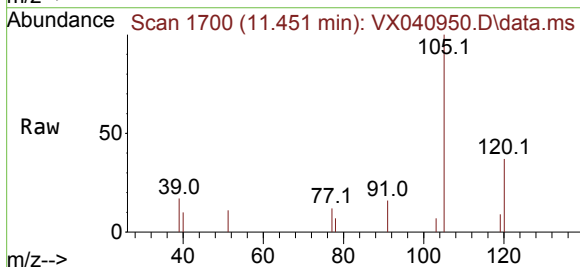
Acq: 09 Apr 2024 12:47

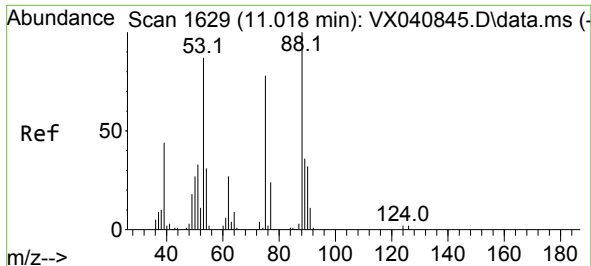
Tgt Ion: 105 Resp: 1221

Ion Ratio Lower Upper

105 100

120 35.1 24.1 72.3

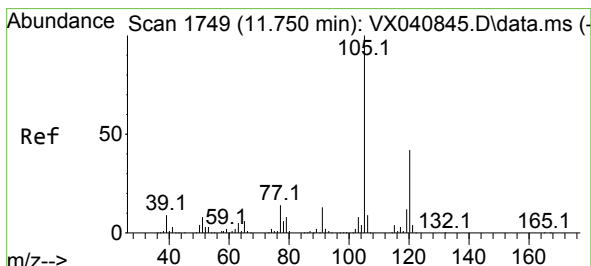
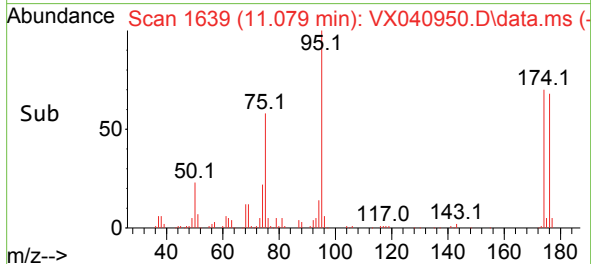
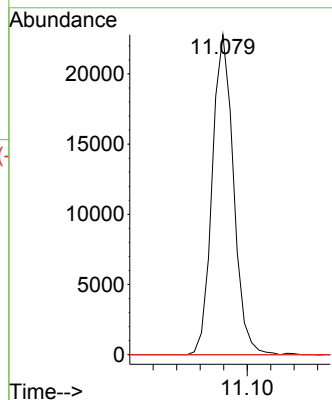
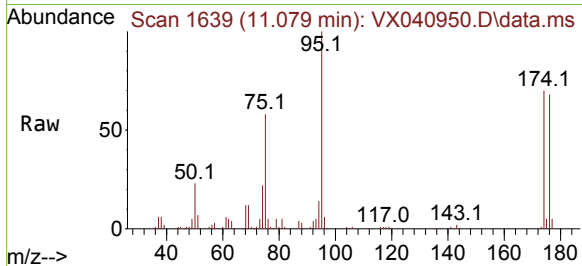




#81
trans-1,4-Dichloro-2-butene
Concen: 76.838 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX040950.D
Acq: 09 Apr 2024 12:47

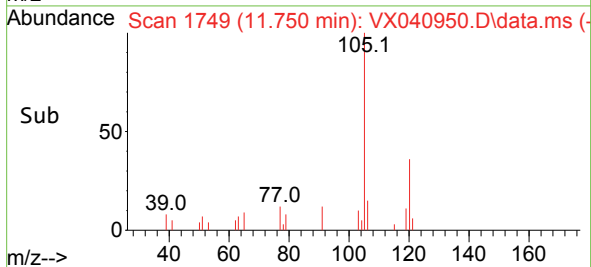
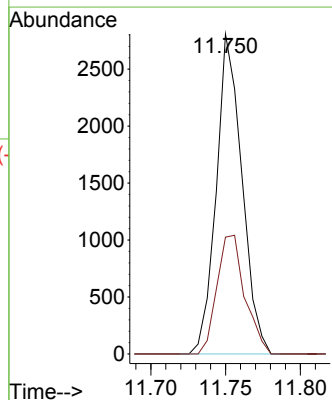
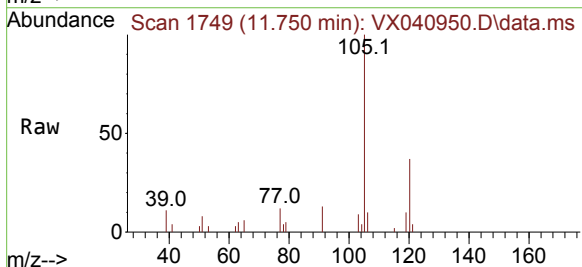
Instrument :
MSVOA_X
ClientSampleId :
50312DL

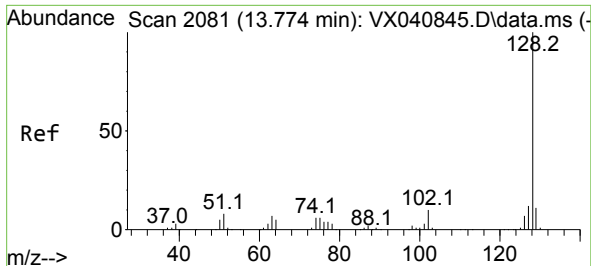
Tgt Ion: 75 Resp: 28685
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#



#84
1,2,4-Trimethylbenzene
Concen: 1.180 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX040950.D
Acq: 09 Apr 2024 12:47

Tgt Ion: 105 Resp: 3349
Ion Ratio Lower Upper
105 100
120 40.4 21.2 63.6





#95

Naphthalene

Concen: 0.329 ug/l

RT: 13.780 min Scan# 20

Delta R.T. 0.006 min

Lab File: VX040950.D

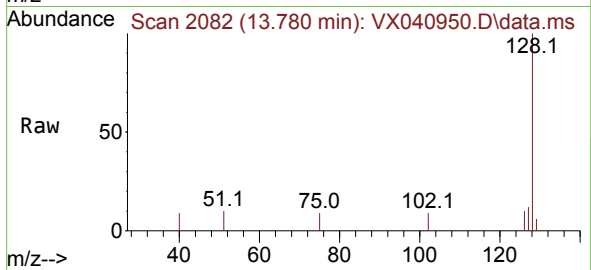
Acq: 09 Apr 2024 12:47

Instrument :

MSVOA_X

ClientSampleId :

50312DL



Tgt Ion:128 Resp: 1126

Ion Ratio Lower Upper

128 100

127 9.7 10.3 15.5#

129 9.1 8.8 13.2

