

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042624\
 Data File : VX041253.D
 Acq On : 26 Apr 2024 13:00
 Operator : JC/MD
 Sample : PB160528ZHE#12
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Apr 27 02:16:18 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X042224W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 23 05:30:28 2024
 Response via : Initial Calibration

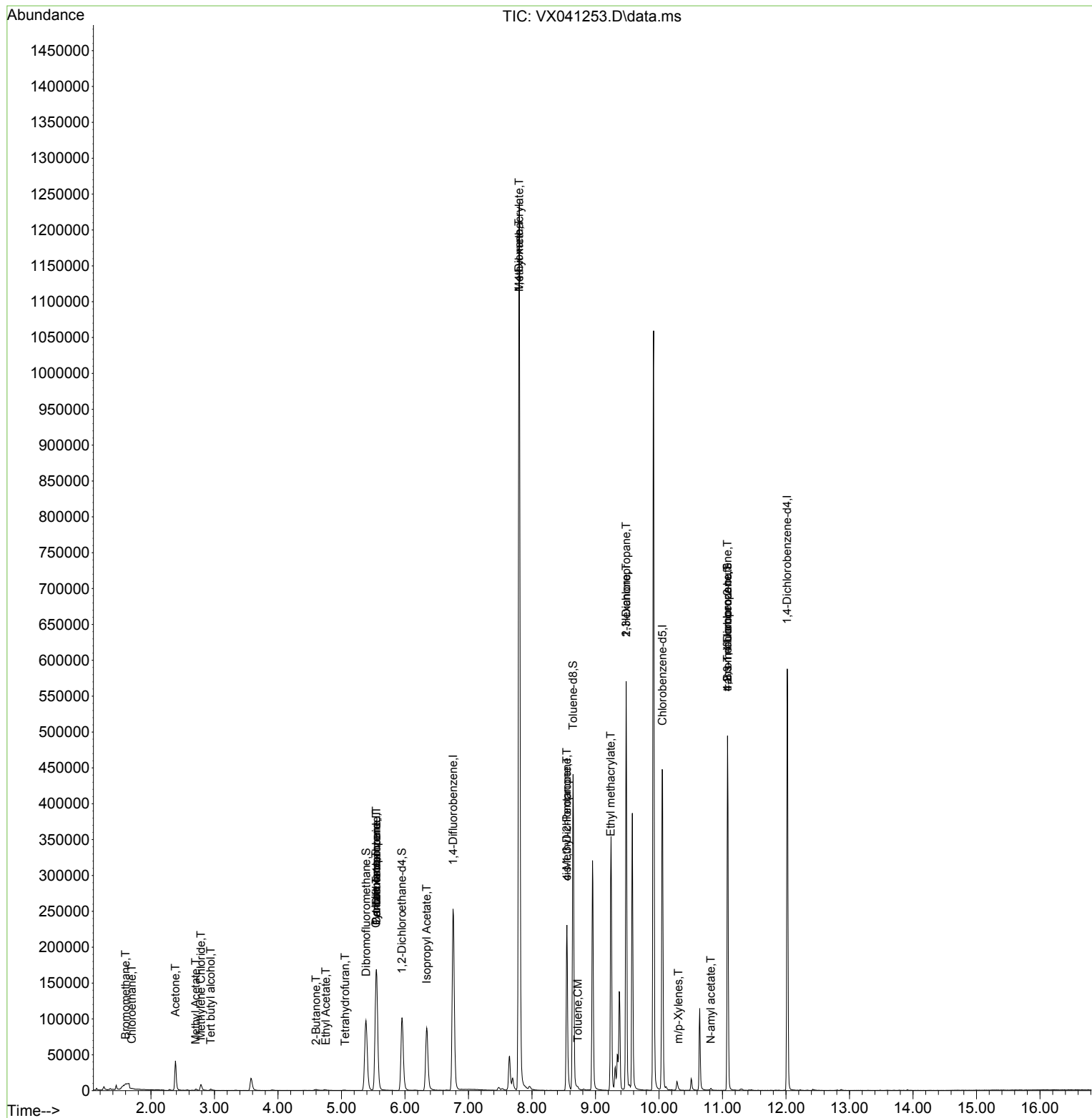
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	184958	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.757	114	277187	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	211957	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	134594	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	100451	57.053	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 114.100%	
35) Dibromofluoromethane	5.385	113	85950	50.976	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 101.960%	
50) Toluene-d8	8.647	98	258311	45.408	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 90.820%#	
62) 4-Bromofluorobenzene	11.079	95	119758	57.036	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 114.080%	
Target Compounds						Qvalue
5) Bromomethane	1.599	94	581	0.651	ug/l	97
6) Chloroethane	1.697	64	131	0.218	ug/l #	43
11) Tert butyl alcohol	2.941	59	1703	5.399	ug/l #	78
16) Acetone	2.386	43	44999	70.215	ug/l	94
18) Methyl Acetate	2.703	43	2861	1.509	ug/l	95
20) Methylene Chloride	2.788	84	4547	2.905	ug/l	88
25) 2-Butanone	4.599	43	3254	2.973	ug/l	98
29) Tetrahydrofuran	5.056	42	617	0.827	ug/l #	74
31) Cyclohexane	5.544	56	2897	1.223	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	11221	5.201	ug/l #	51
37) Ethyl Acetate	4.751	43	2281	0.964	ug/l #	94
38) Carbon Tetrachloride	5.550	117	16584	6.882	ug/l #	16
43) Isopropyl Acetate	6.342	43	126801	33.256	ug/l	98
48) Methyl methacrylate	7.799	41	110557	61.303	ug/l #	47
49) 1,4-Dioxane	7.793	88	100	2.576	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	81917	34.323	ug/l #	50
52) Toluene	8.720	92	1033	0.246	ug/l	98
54) cis-1,3-Dichloropropene	8.549	75	36495	14.905	ug/l #	61
56) Ethyl methacrylate	9.238	69	799	0.319	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	4910	1.811	ug/l #	42
59) 2-Hexanone	9.482	43	67172	36.703	ug/l #	52
68) m/p-Xylenes	10.305	106	586	0.209	ug/l	94
74) N-amyl acetate	10.817	43	1447	0.440	ug/l #	44
76) 1,2,3-Trichloropropane	11.079	75	58154	26.817	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	58154	75.659	ug/l #	5

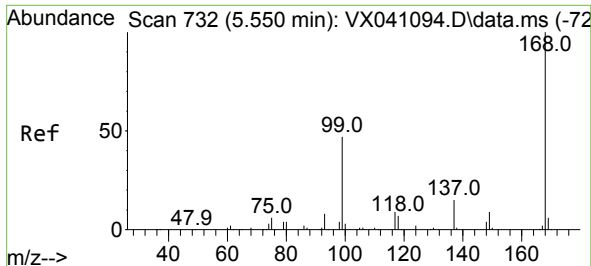
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042624\
Data File : VX041253.D
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Sample : PB160528ZHE#12
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

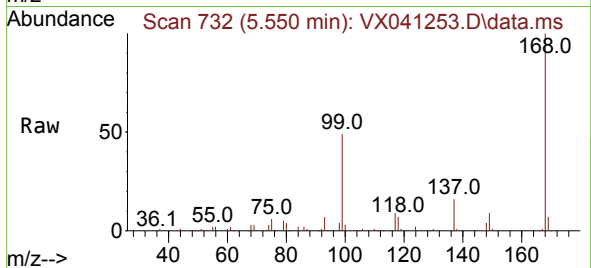
Quant Time: Apr 27 02:16:18 2024
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QLast Update : Tue Apr 23 05:30:28 2024
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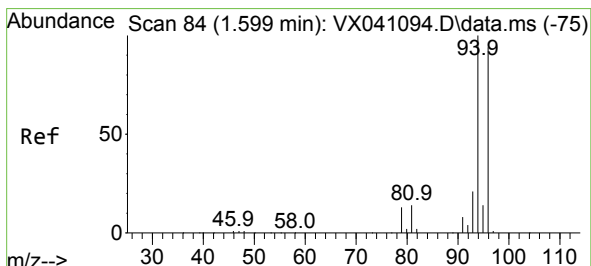
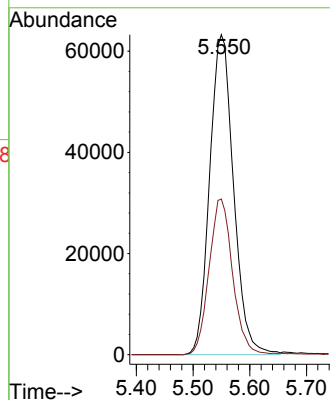
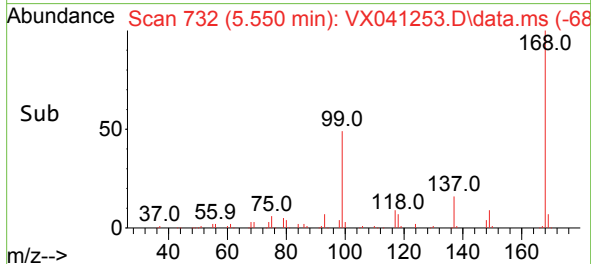


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX041253.D
Acq: 26 Apr 2024 13:00

Instrument :
MSVOA_X
ClientSampleId :

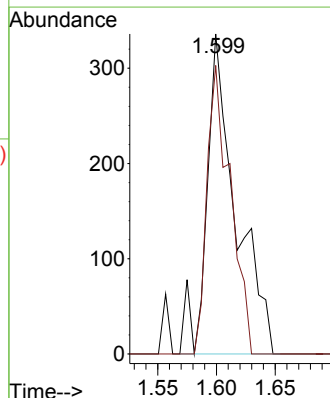
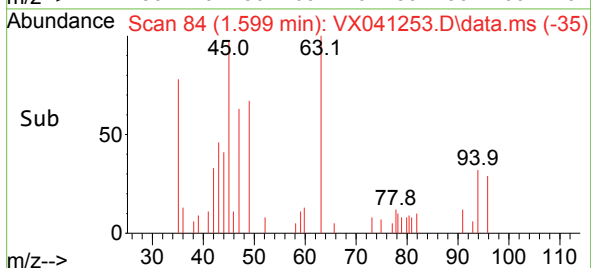
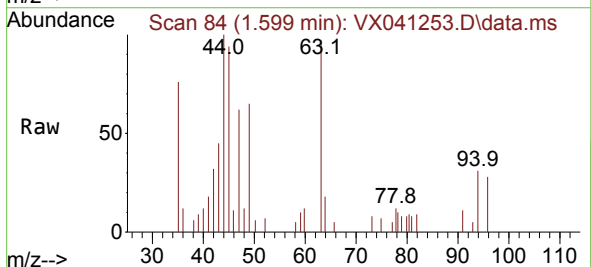


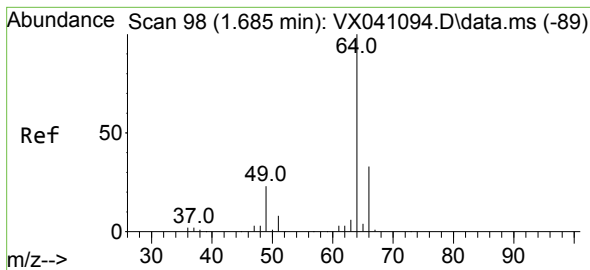
Tgt Ion:168 Resp: 184958
Ion Ratio Lower Upper
168 100
99 48.7 56.6 85.0#



#5
Bromomethane
Concen: 0.651 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.000 min
Lab File: VX041253.D
Acq: 26 Apr 2024 13:00

Tgt Ion: 94 Resp: 581
Ion Ratio Lower Upper
94 100
96 90.2 74.6 111.8





#6

Chloroethane

Concen: 0.218 ug/l

RT: 1.697 min Scan# 100

Delta R.T. 0.031 min

Lab File: VX041253.D

Acq: 26 Apr 2024 13:00

Instrument :

MSVOA_X

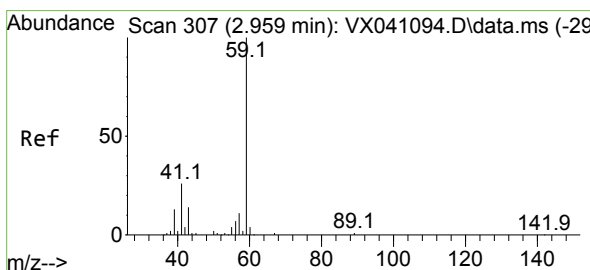
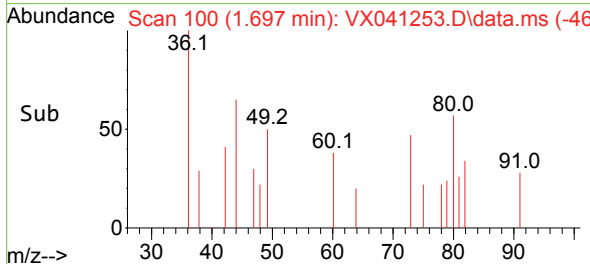
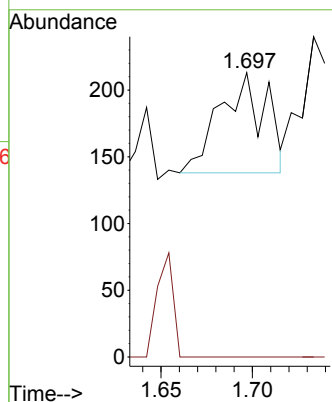
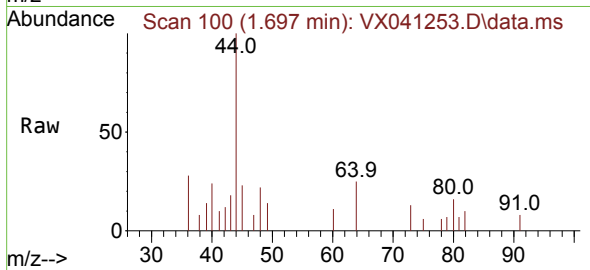
ClientSampleId :

Tgt Ion: 64 Resp: 131

Ion Ratio Lower Upper

64 100

66 0.0 25.1 37.7#



#11

Tert butyl alcohol

Concen: 5.399 ug/l

RT: 2.941 min Scan# 304

Delta R.T. -0.122 min

Lab File: VX041253.D

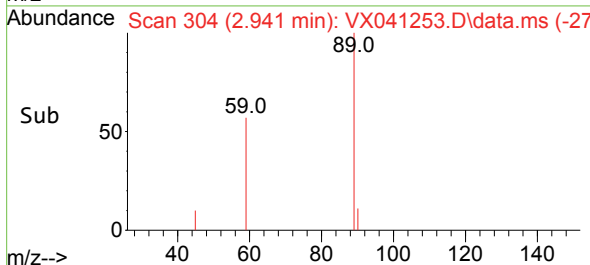
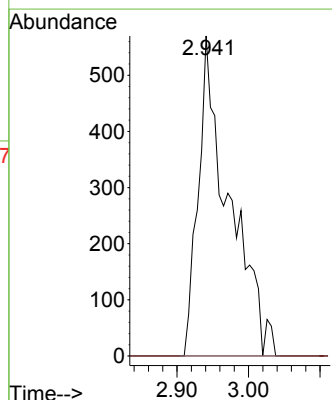
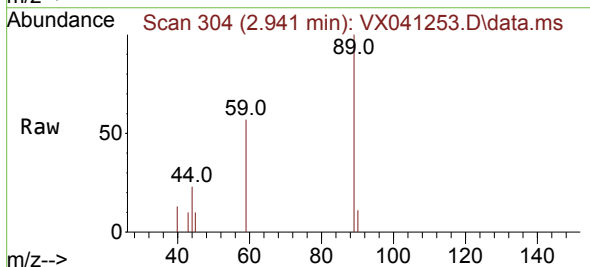
Acq: 26 Apr 2024 13:00

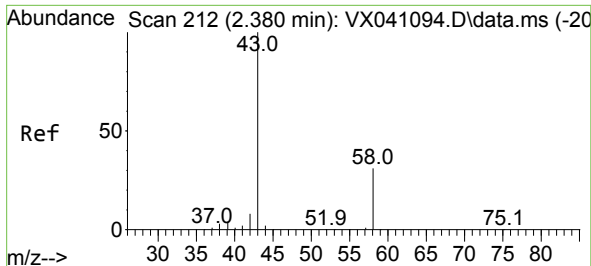
Tgt Ion: 59 Resp: 1703

Ion Ratio Lower Upper

59 100

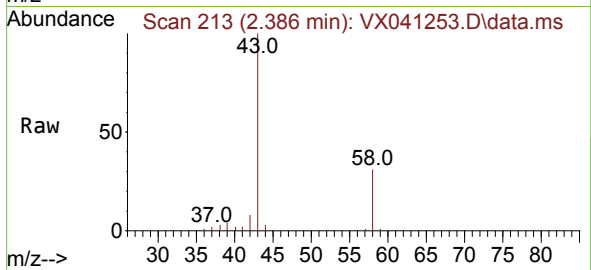
57 0.0 6.0 9.0#



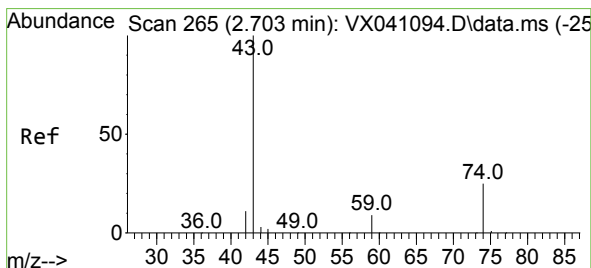
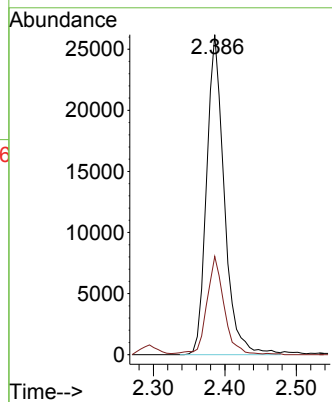
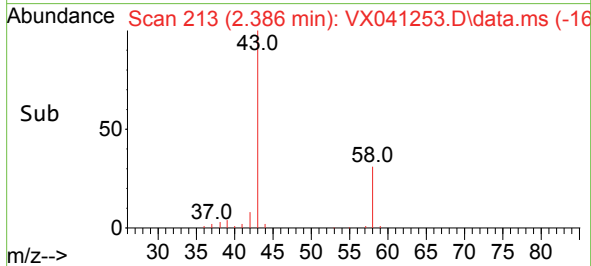


#16
Acetone
Concen: 70.215 ug/l
RT: 2.386 min Scan# 212
Delta R.T. -0.012 min
Lab File: VX041253.D
Acq: 26 Apr 2024 13:00

Instrument :
MSVOA_X
ClientSampleId :

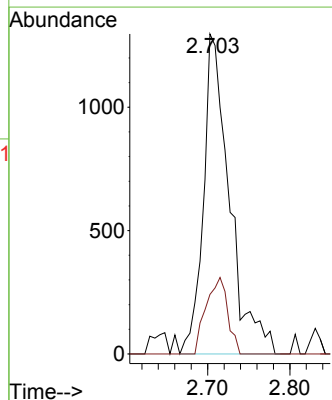
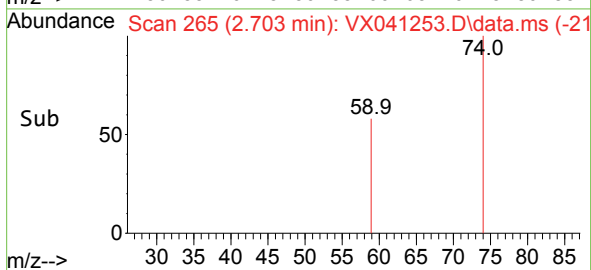
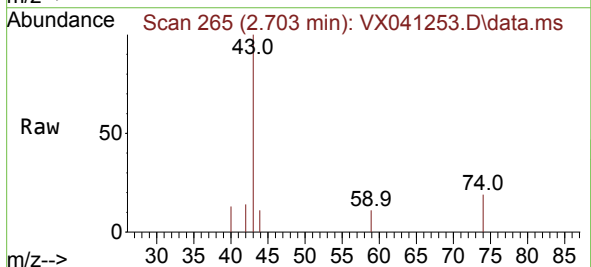


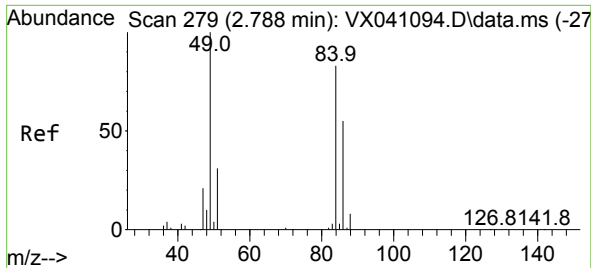
Tgt Ion: 43 Resp: 44999
Ion Ratio Lower Upper
43 100
58 30.4 21.9 32.9



#18
Methyl Acetate
Concen: 1.509 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.006 min
Lab File: VX041253.D
Acq: 26 Apr 2024 13:00

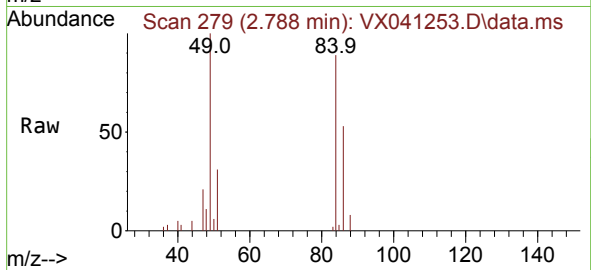
Tgt Ion: 43 Resp: 2861
Ion Ratio Lower Upper
43 100
74 19.8 17.8 26.8



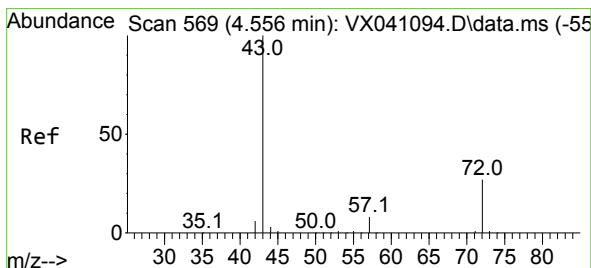
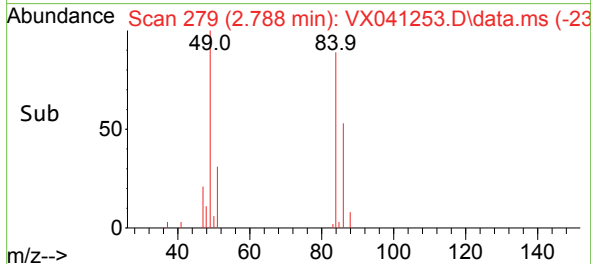
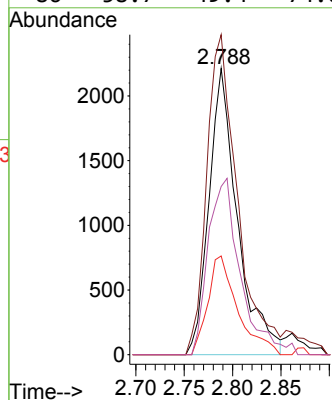


#20
Methylene Chloride
Concen: 2.905 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX041253.D
Acq: 26 Apr 2024 13:00

Instrument :
MSVOA_X
ClientSampleId :

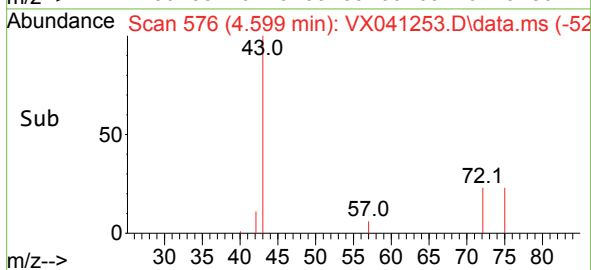
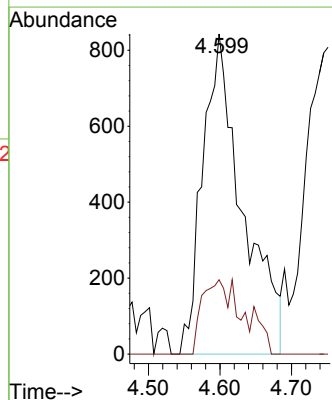
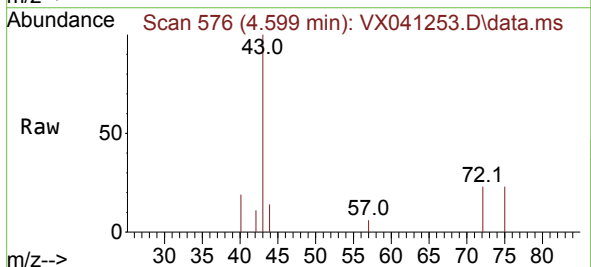


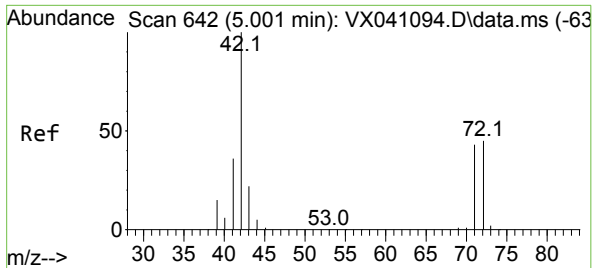
Tgt Ion:	84	Resp:	4547
Ion	Ratio	Lower	Upper
84	100		
49	111.8	103.6	155.4
51	34.5	33.8	50.6
86	58.7	49.4	74.0



#25
2-Butanone
Concen: 2.973 ug/l
RT: 4.599 min Scan# 576
Delta R.T. 0.031 min
Lab File: VX041253.D
Acq: 26 Apr 2024 13:00

Tgt Ion:	43	Resp:	3254
Ion	Ratio	Lower	Upper
43	100		
72	23.3	19.4	29.2





#29

Tetrahydrofuran

Concen: 0.827 ug/l

RT: 5.056 min Scan# 617

Delta R.T. 0.043 min

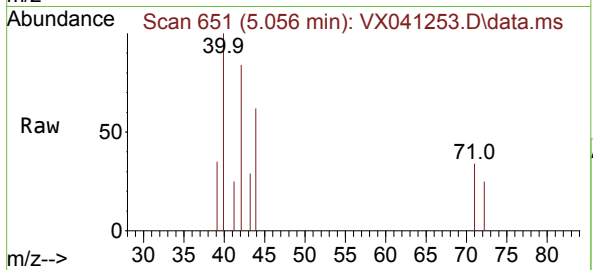
Lab File: VX041253.D

Acq: 26 Apr 2024 13:00

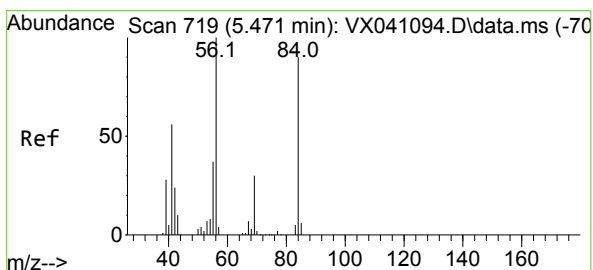
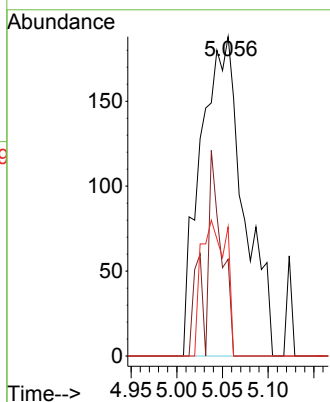
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:	42	Resp:	617
Ion Ratio	Lower	Upper	
42	100		
72	25.1	34.2	51.4#
71	24.6	32.2	48.2#



#31

Cyclohexane

Concen: 1.223 ug/l

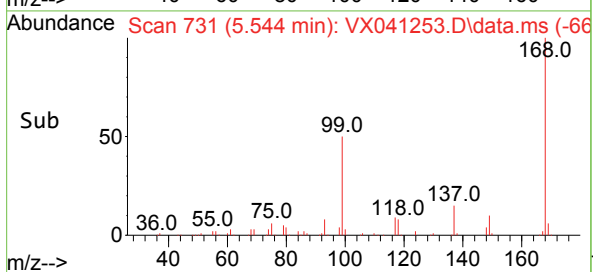
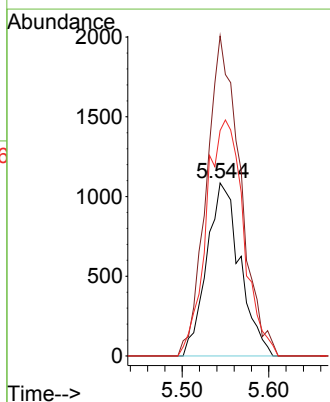
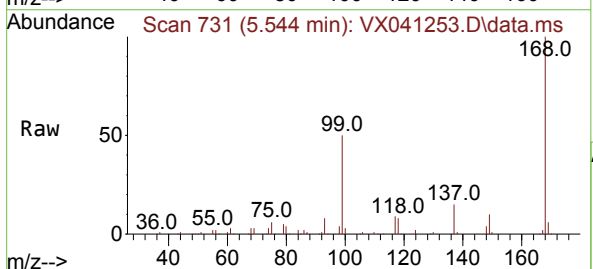
RT: 5.544 min Scan# 731

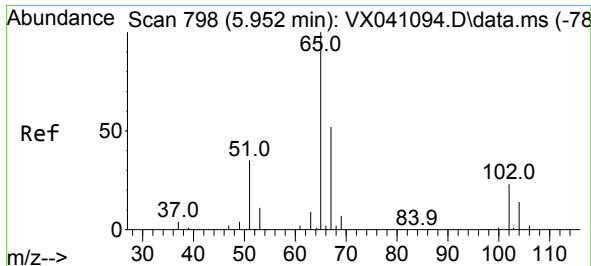
Delta R.T. 0.079 min

Lab File: VX041253.D

Acq: 26 Apr 2024 13:00

Tgt Ion:	56	Resp:	2897
Ion Ratio	Lower	Upper	
56	100		
69	185.0	23.4	35.2#
84	130.3	65.9	98.9#





#33

1,2-Dichloroethane-d4

Concen: 57.053 ug/l

RT: 5.952 min Scan# 798

Delta R.T. 0.000 min

Lab File: VX041253.D

Acq: 26 Apr 2024 13:00

Instrument :

MSVOA_X

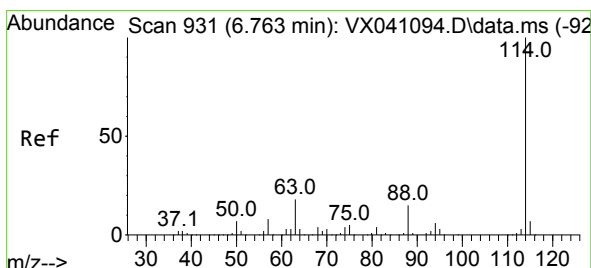
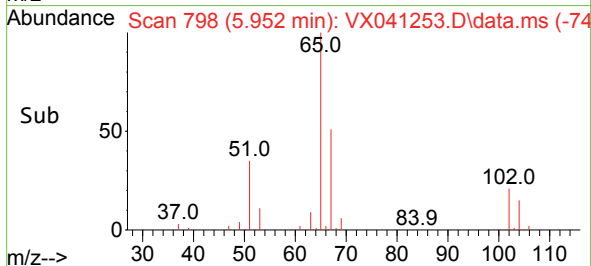
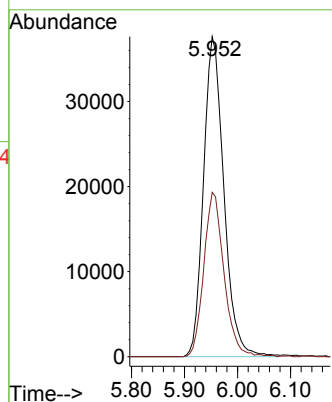
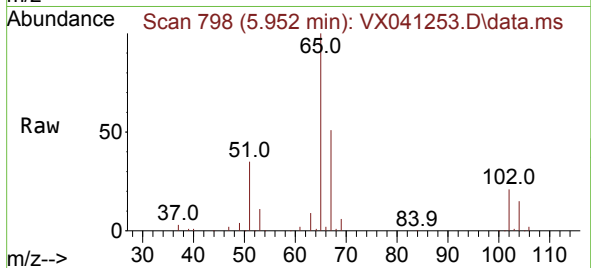
ClientSampleId :

Tgt Ion: 65 Resp: 100451

Ion Ratio Lower Upper

65 100

67 51.0 0.0 100.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. 0.000 min

Lab File: VX041253.D

Acq: 26 Apr 2024 13:00

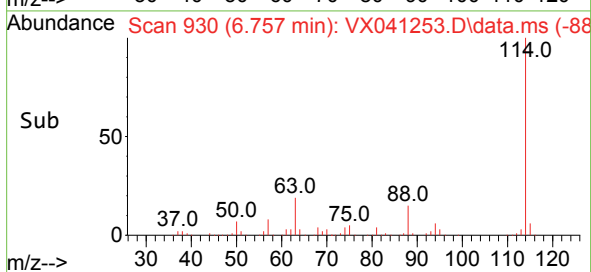
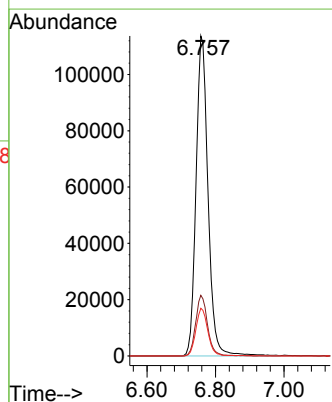
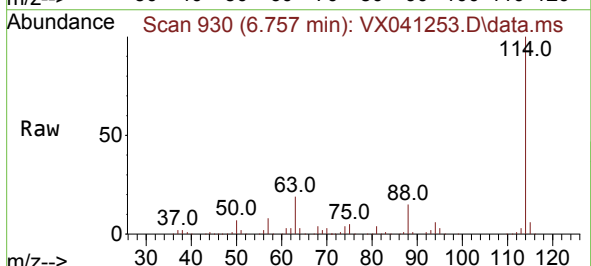
Tgt Ion: 114 Resp: 277187

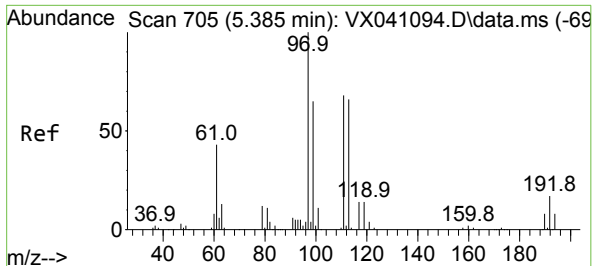
Ion Ratio Lower Upper

114 100

63 18.9 0.0 45.0

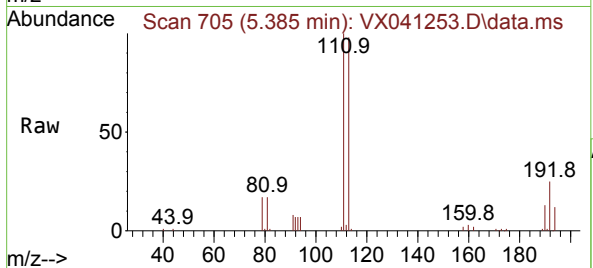
88 14.9 0.0 36.6



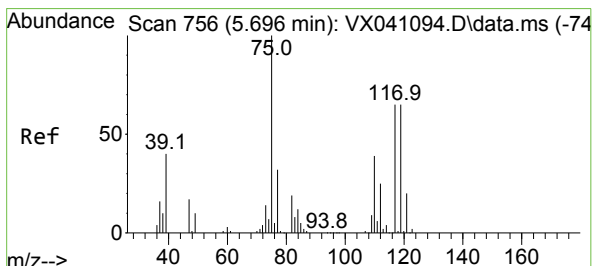
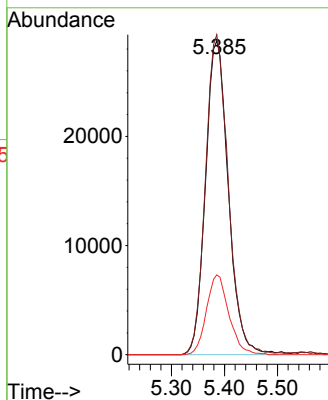
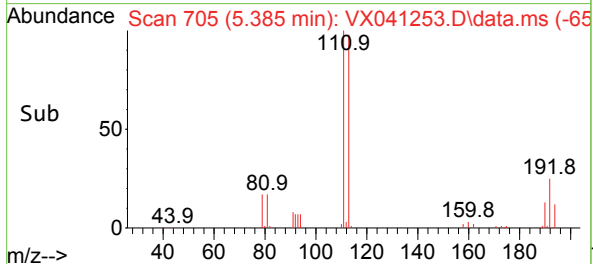


#35
Dibromofluoromethane
Concen: 50.976 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX041253.D
Acq: 26 Apr 2024 13:00

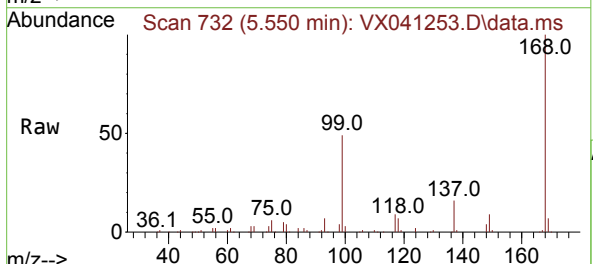
Instrument :
MSVOA_X
ClientSampleId :



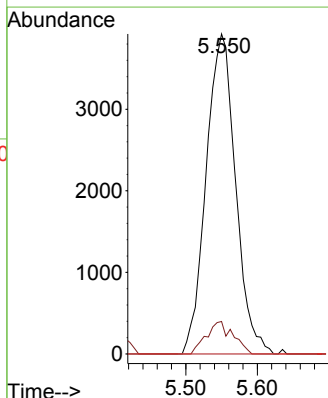
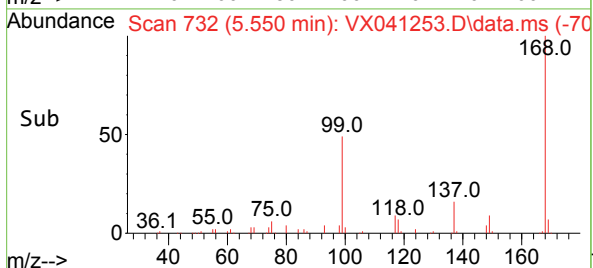
Tgt Ion:113 Resp: 85950
Ion Ratio Lower Upper
113 100
111 101.8 82.9 124.3
192 24.9 13.3 19.9#

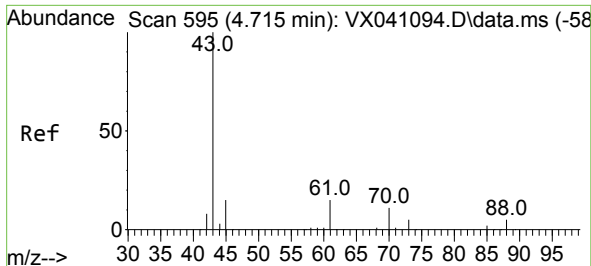


#36
1,1-Dichloropropene
Concen: 5.201 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX041253.D
Acq: 26 Apr 2024 13:00



Tgt Ion: 75 Resp: 11221
Ion Ratio Lower Upper
75 100
110 9.2 17.0 50.9#
77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 0.964 ug/l

RT: 4.751 min Scan# 601

Delta R.T. 0.031 min

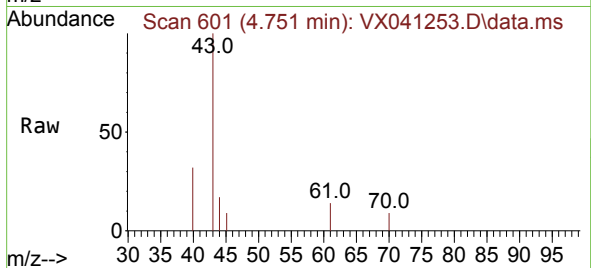
Lab File: VX041253.D

Acq: 26 Apr 2024 13:00

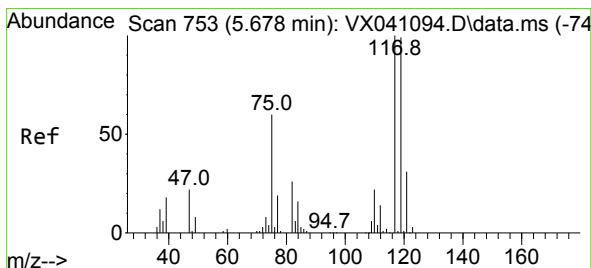
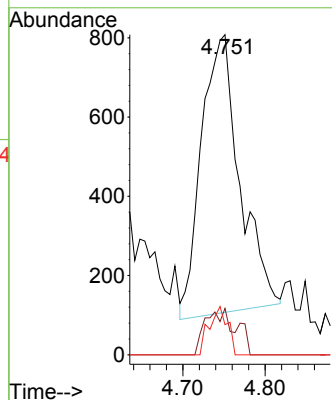
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:	43	Resp:	2281
Ion	Ratio	Lower	Upper
43	100		
61	10.7	10.6	16.0
70	8.3	8.3	12.5



#38

Carbon Tetrachloride

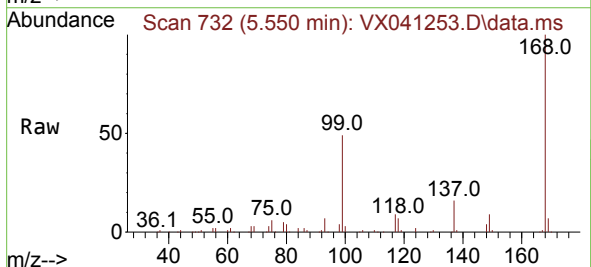
Concen: 6.882 ug/l

RT: 5.550 min Scan# 732

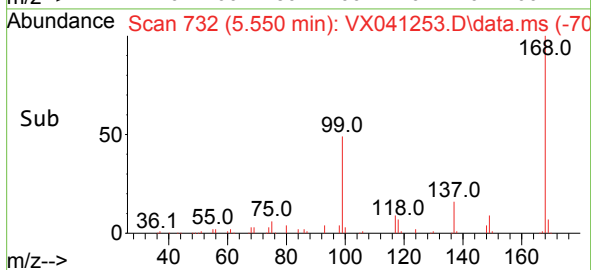
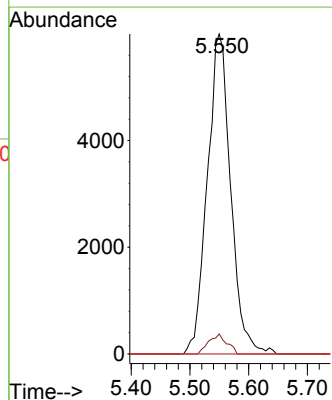
Delta R.T. -0.122 min

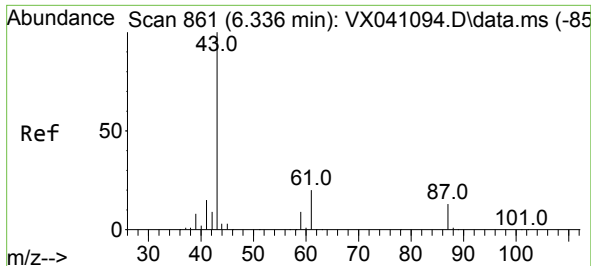
Lab File: VX041253.D

Acq: 26 Apr 2024 13:00



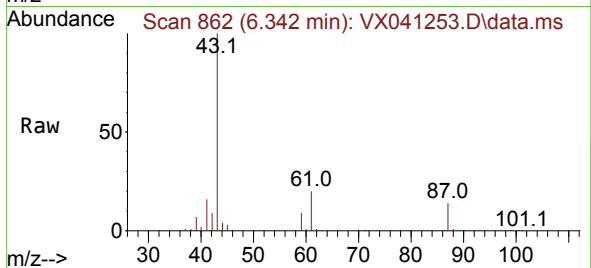
Tgt Ion:	117	Resp:	16584
Ion	Ratio	Lower	Upper
117	100		
119	6.2	78.2	117.2
121	0.0	24.4	36.6



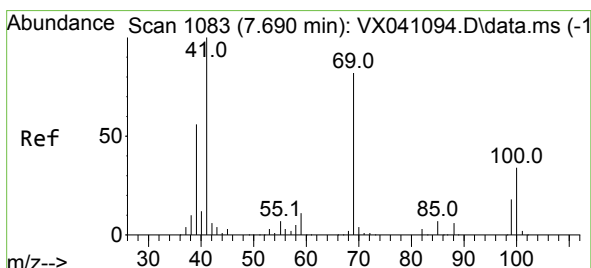
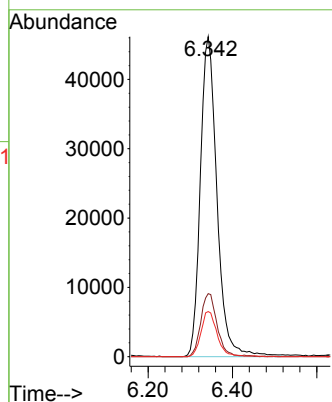
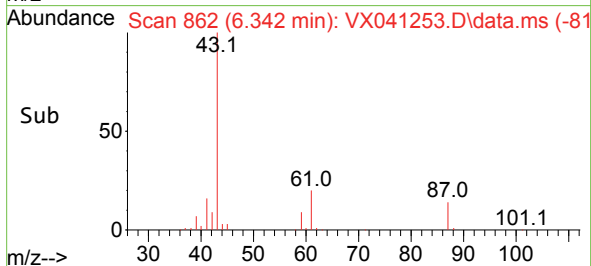


#43
Isopropyl Acetate
Concen: 33.256 ug/l
RT: 6.342 min Scan# 80
Delta R.T. -0.006 min
Lab File: VX041253.D
Acq: 26 Apr 2024 13:00

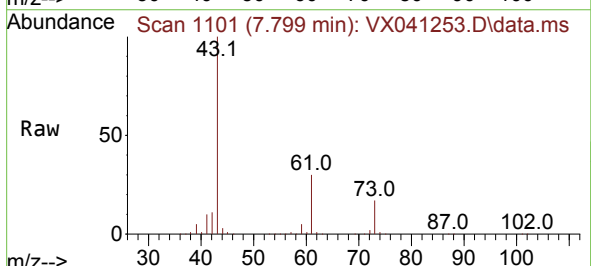
Instrument :
MSVOA_X
ClientSampleId :



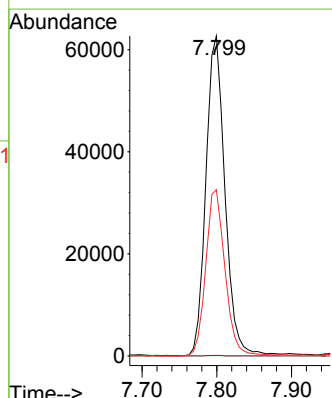
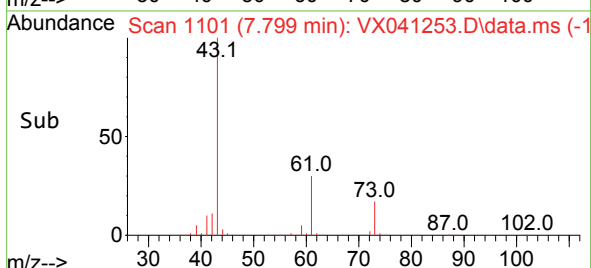
Tgt Ion: 43 Resp: 126801
Ion Ratio Lower Upper
43 100
61 19.2 15.2 22.8
87 13.6 9.8 14.6

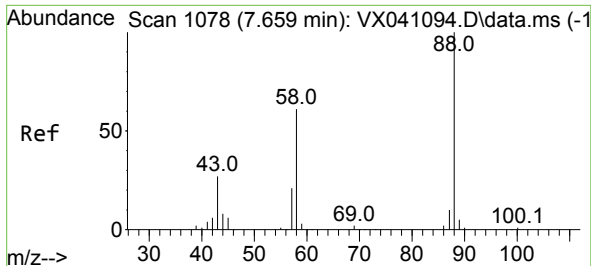


#48
Methyl methacrylate
Concen: 61.303 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.104 min
Lab File: VX041253.D
Acq: 26 Apr 2024 13:00



Tgt Ion: 41 Resp: 110557
Ion Ratio Lower Upper
41 100
69 0.1 59.2 88.8#
39 52.6 47.7 71.5

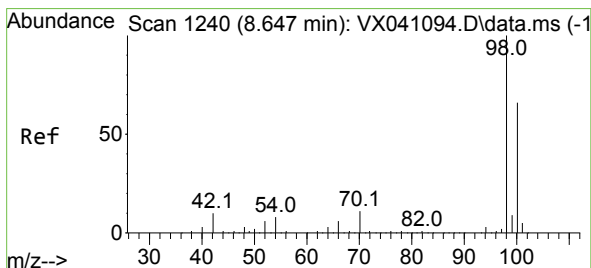
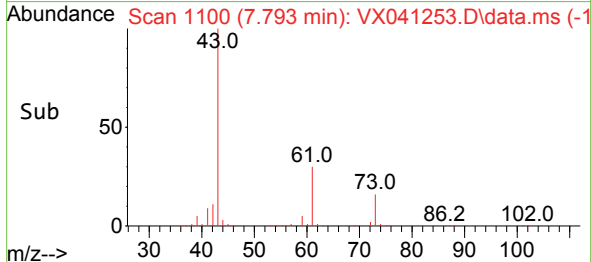
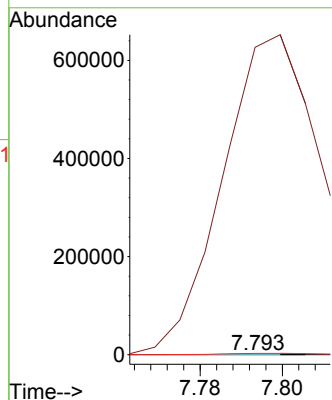
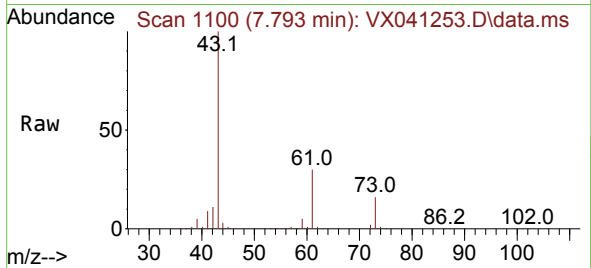




#49
1,4-Dioxane
Concen: 2.576 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.116 min
Lab File: VX041253.D
Acq: 26 Apr 2024 13:00

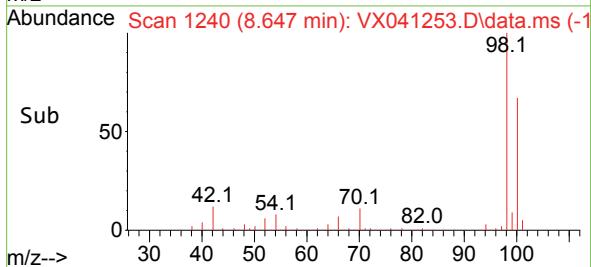
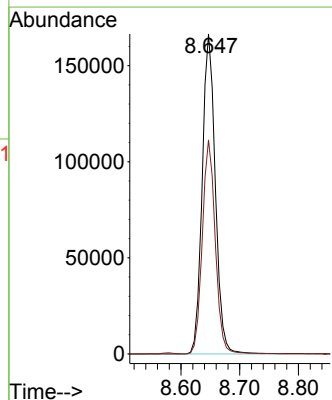
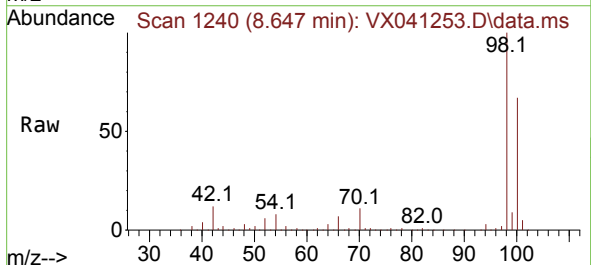
Instrument :
MSVOA_X
ClientSampleId :

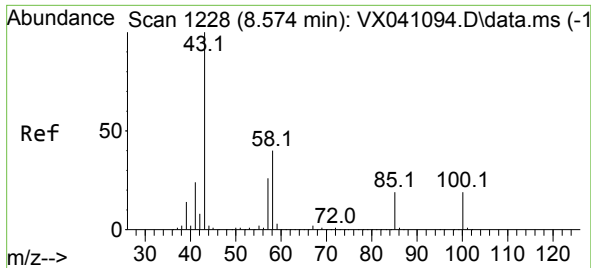
Tgt Ion: 88 Resp: 100
Ion Ratio Lower Upper
88 100
43 1165970.0 0.0 0.0#
58 4987.0 60.1 90.1#



#50
Toluene-d8
Concen: 45.408 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX041253.D
Acq: 26 Apr 2024 13:00

Tgt Ion: 98 Resp: 258311
Ion Ratio Lower Upper
98 100
100 66.2 53.1 79.7

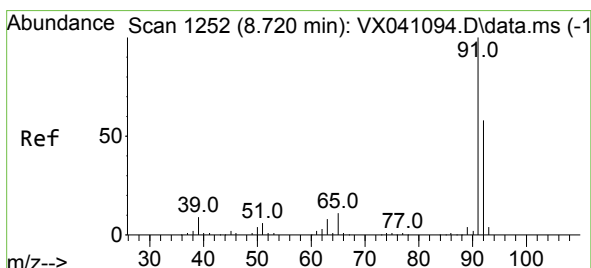
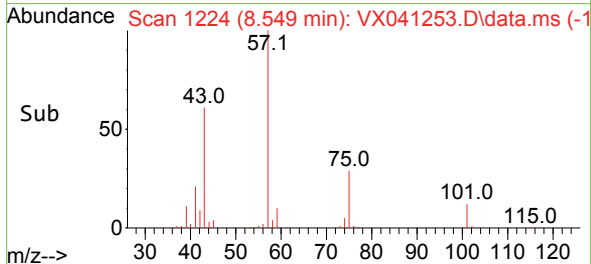
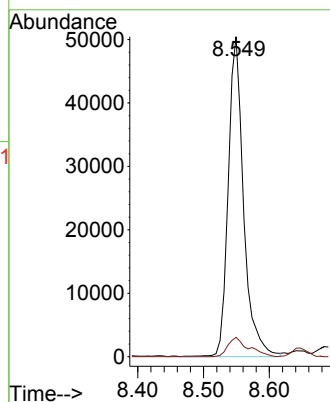
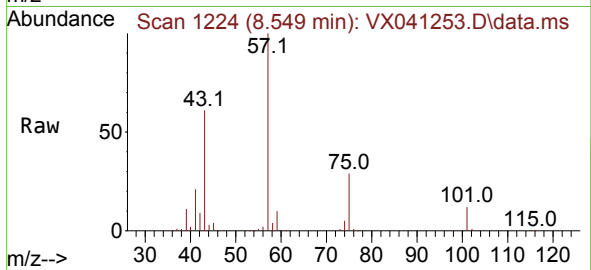




#51
4-Methyl-2-Pentanone
Concen: 34.323 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.030 min
Lab File: VX041253.D
Acq: 26 Apr 2024 13:00

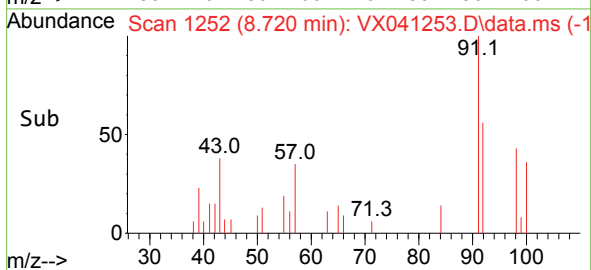
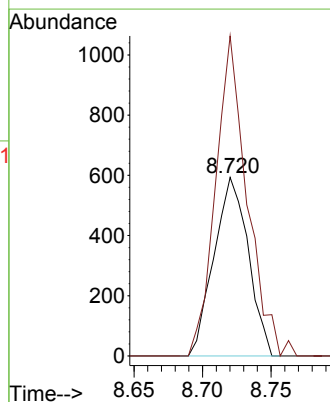
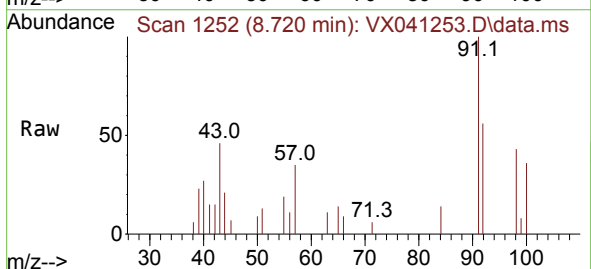
Instrument :
MSVOA_X
ClientSampleId :

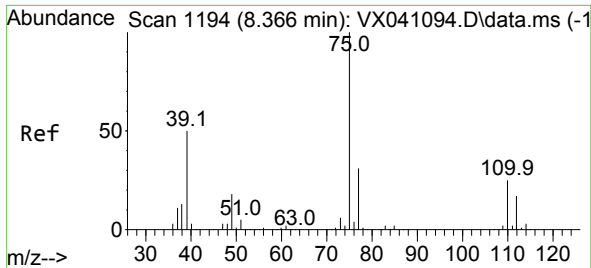
Tgt Ion: 43 Resp: 81917
Ion Ratio Lower Upper
43 100
58 8.0 30.4 45.6#



#52
Toluene
Concen: 0.246 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.000 min
Lab File: VX041253.D
Acq: 26 Apr 2024 13:00

Tgt Ion: 92 Resp: 1033
Ion Ratio Lower Upper
92 100
91 164.8 134.2 201.2

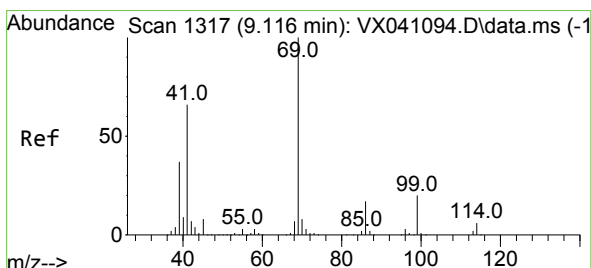
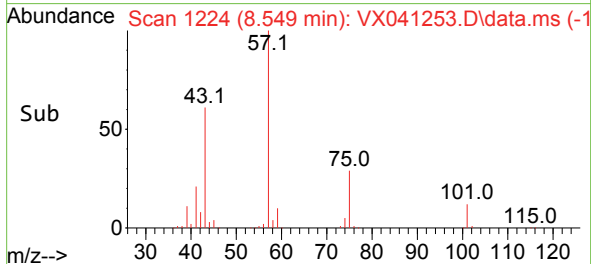
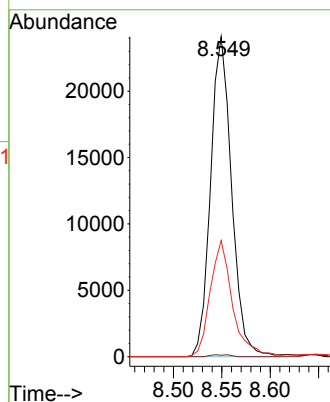
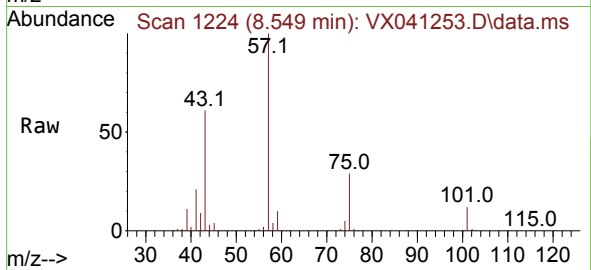




#54
 cis-1,3-Dichloropropene
 Concen: 14.905 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX041253.D
 Acq: 26 Apr 2024 13:00

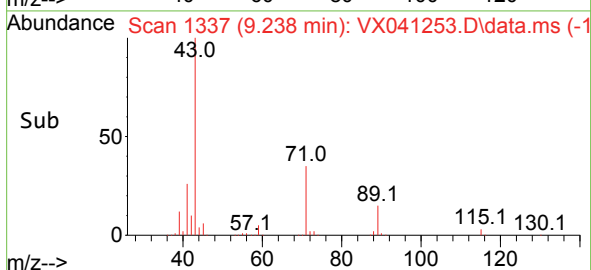
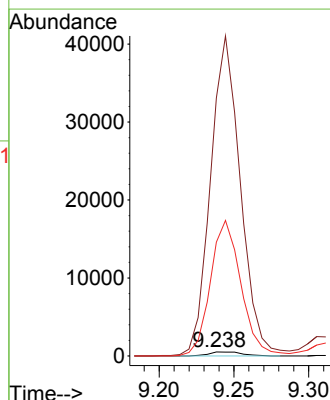
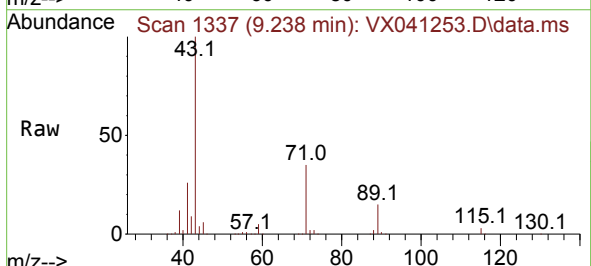
Instrument :
 MSVOA_X
 ClientSampleId :

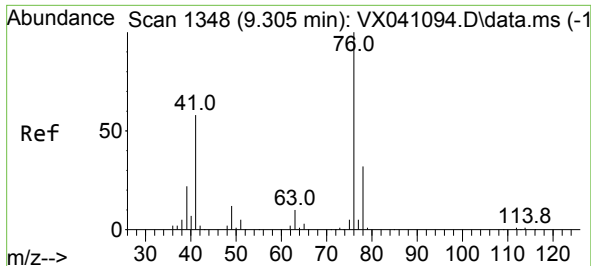
Tgt Ion: 75 Resp: 36495
 Ion Ratio Lower Upper
 75 100
 77 0.4 25.3 37.9#
 39 36.3 46.7 70.1#



#56
 Ethyl methacrylate
 Concen: 0.319 ug/l
 RT: 9.238 min Scan# 1337
 Delta R.T. 0.116 min
 Lab File: VX041253.D
 Acq: 26 Apr 2024 13:00

Tgt Ion: 69 Resp: 799
 Ion Ratio Lower Upper
 69 100
 41 7189.7 56.8 85.2#
 39 3103.9 32.0 48.0#





#57

1,3-Dichloropropane

Concen: 1.811 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.171 min

Lab File: VX041253.D

Acq: 26 Apr 2024 13:00

Instrument :

MSVOA_X

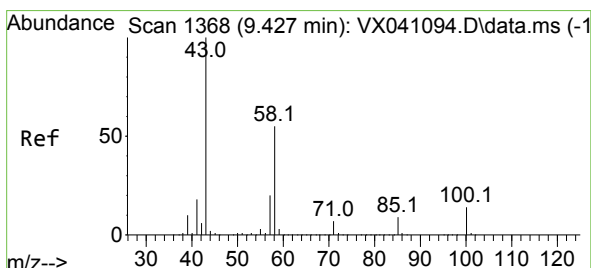
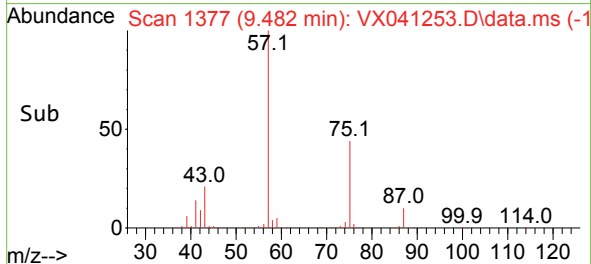
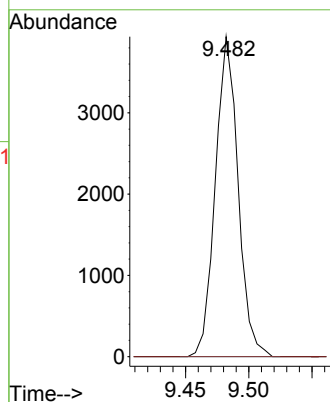
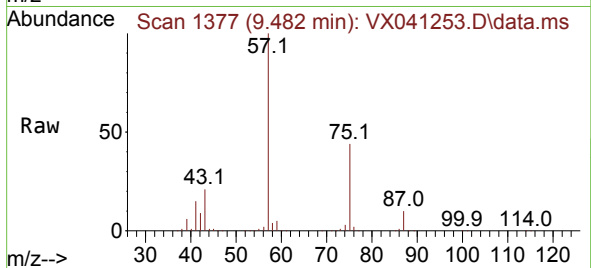
ClientSampleId :

Tgt Ion: 76 Resp: 4910

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 36.703 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX041253.D

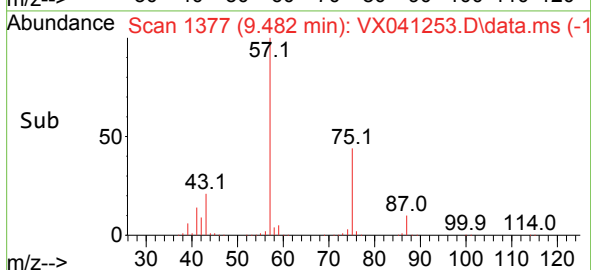
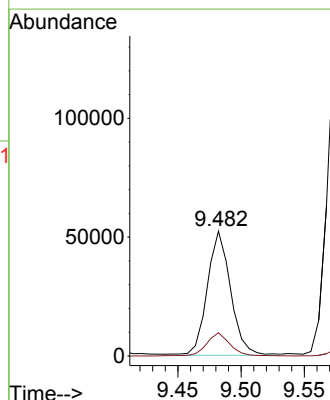
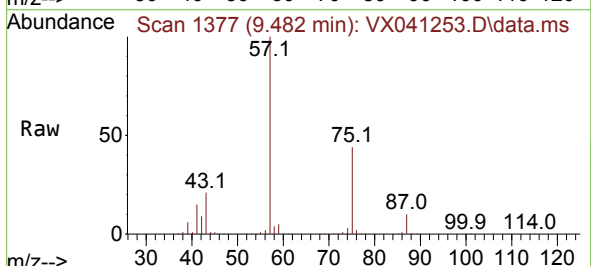
Acq: 26 Apr 2024 13:00

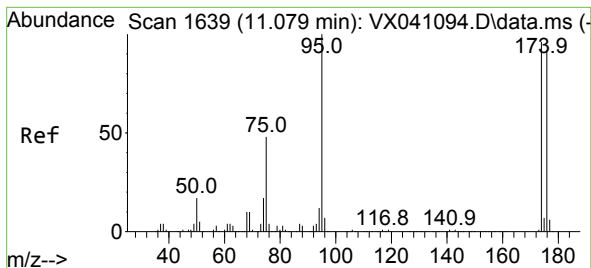
Tgt Ion: 43 Resp: 67172

Ion Ratio Lower Upper

43 100

58 18.7 26.2 78.5#

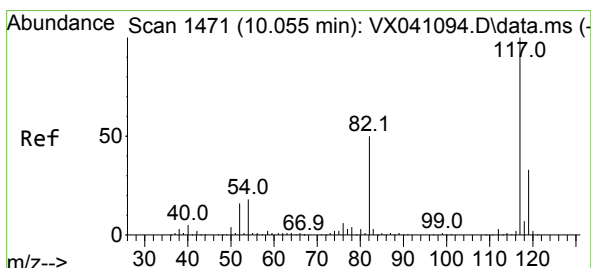
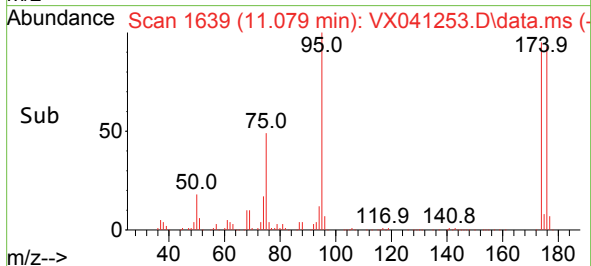
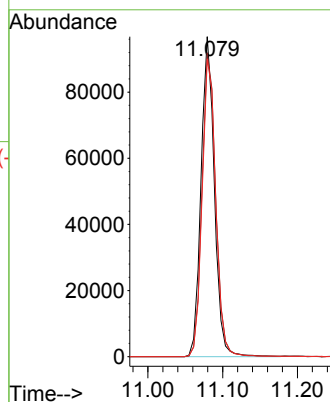
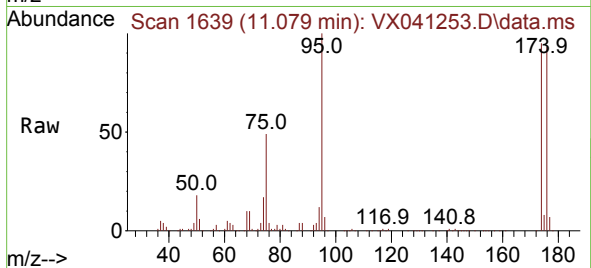




#62
4-Bromofluorobenzene
Concen: 57.036 ug/l
RT: 11.079 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX041253.D
Acq: 26 Apr 2024 13:00

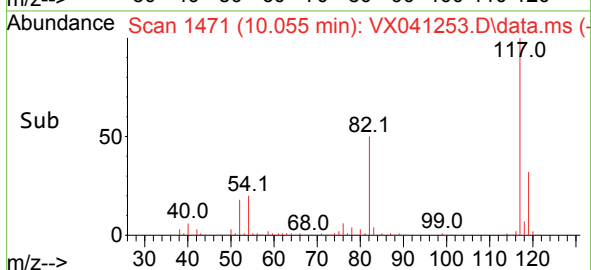
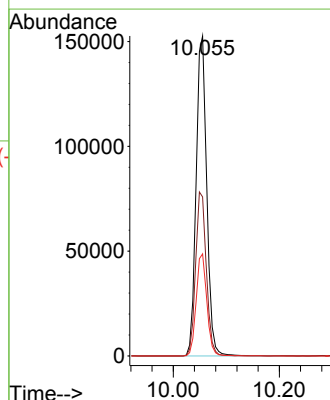
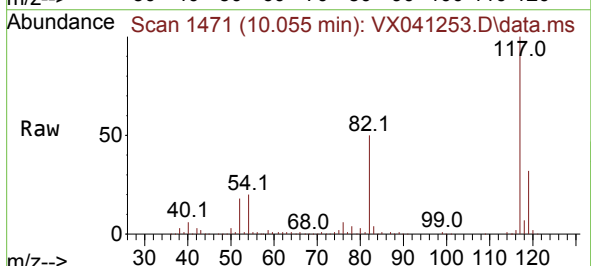
Instrument :
MSVOA_X
ClientSampleId :

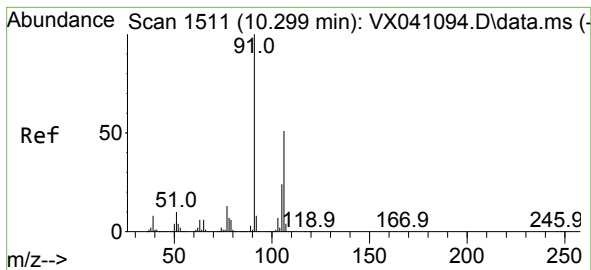
Tgt Ion: 95 Resp: 119758
Ion Ratio Lower Upper
95 100
174 97.8 0.0 135.6
176 95.0 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX041253.D
Acq: 26 Apr 2024 13:00

Tgt Ion: 117 Resp: 211957
Ion Ratio Lower Upper
117 100
82 49.7 46.2 69.4
119 31.9 25.5 38.3

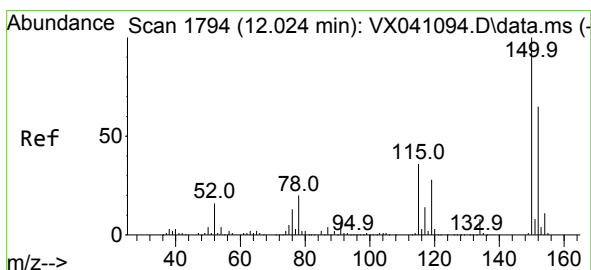
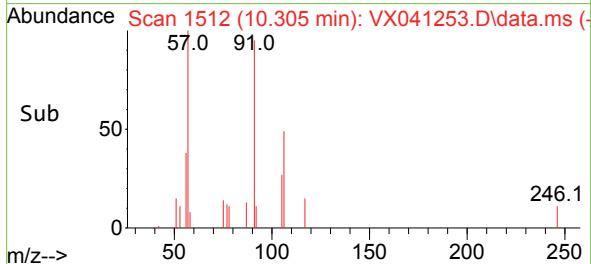
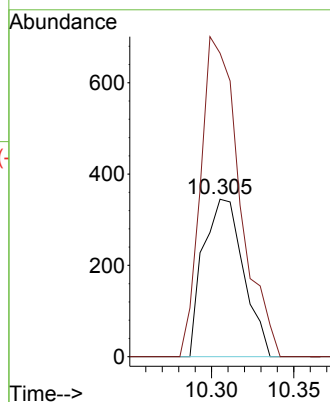
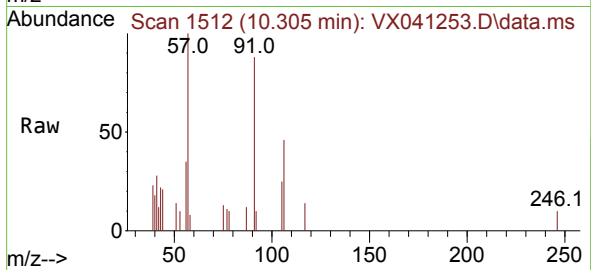




#68
m/p-Xylenes
Concen: 0.209 ug/l
RT: 10.305 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX041253.D
Acq: 26 Apr 2024 13:00

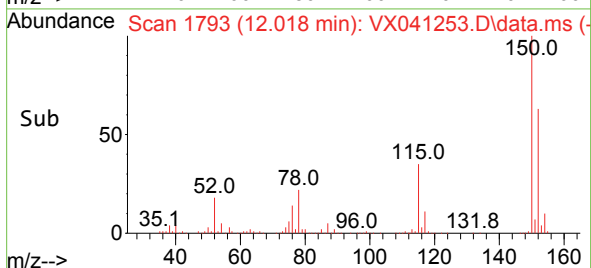
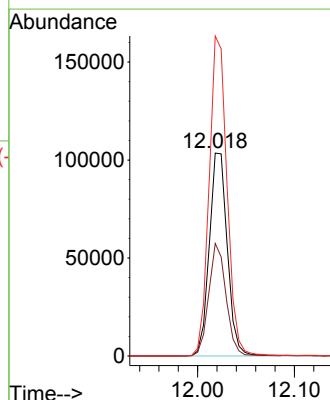
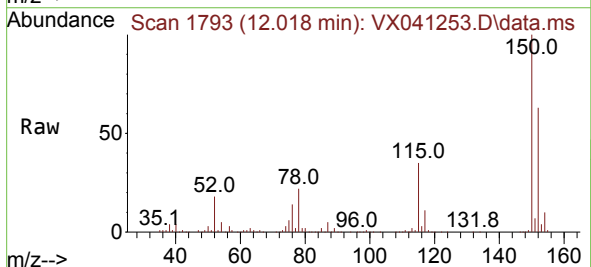
Instrument :
MSVOA_X
ClientSampleId :

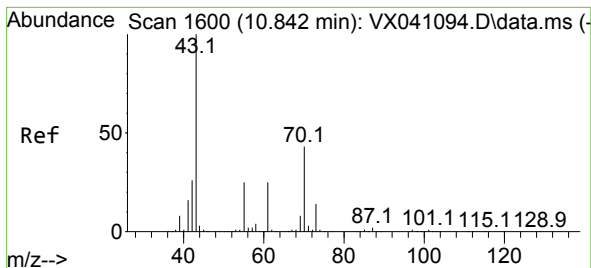
Tgt Ion:106 Resp: 586
Ion Ratio Lower Upper
106 100
91 197.8 165.5 248.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.006 min
Lab File: VX041253.D
Acq: 26 Apr 2024 13:00

Tgt Ion:152 Resp: 134594
Ion Ratio Lower Upper
152 100
115 53.4 43.3 129.9
150 156.1 0.0 345.0





#74

N-amy1 acetate

Concen: 0.440 ug/l

RT: 10.817 min Scan# 1

Delta R.T. -0.024 min

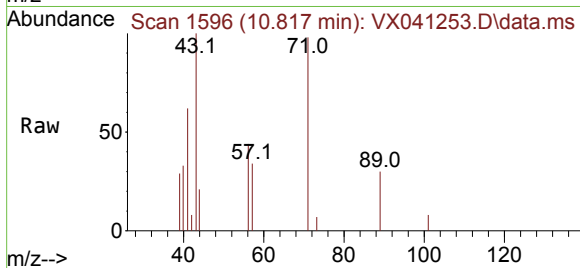
Lab File: VX041253.D

Acq: 26 Apr 2024 13:00

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 43 Resp: 1447

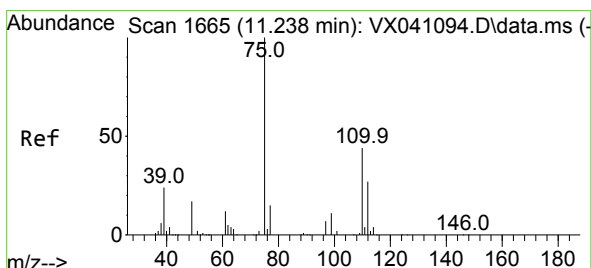
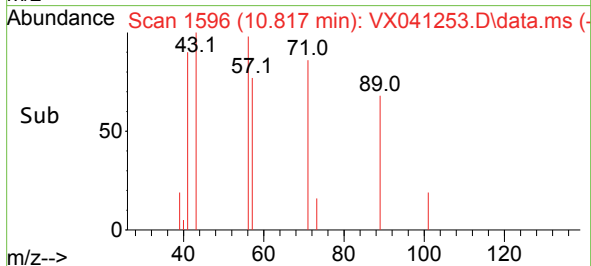
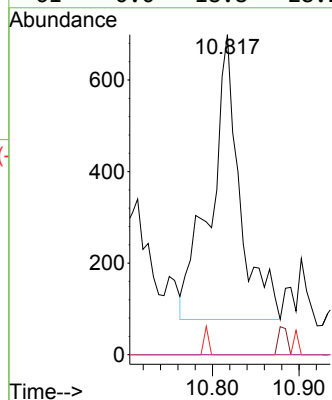
Ion Ratio Lower Upper

43 100

70 0.0 32.9 49.3#

55 0.0 19.3 28.9#

61 0.0 18.8 28.2#



#76

1,2,3-Trichloropropane

Concen: 26.817 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX041253.D

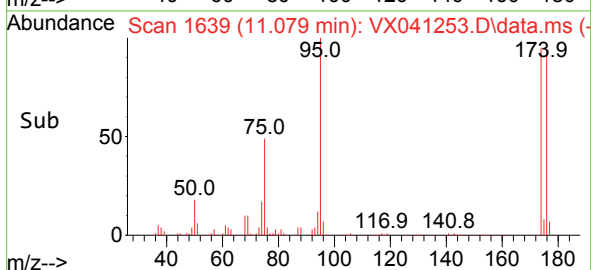
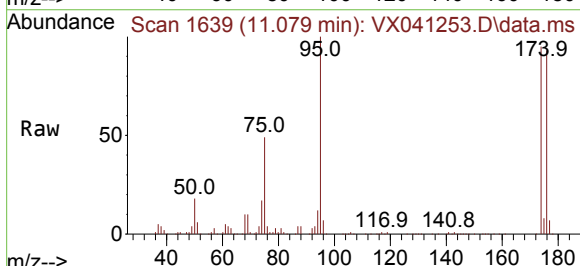
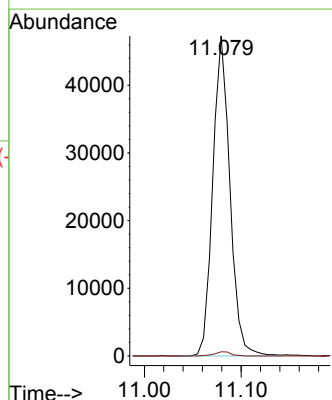
Acq: 26 Apr 2024 13:00

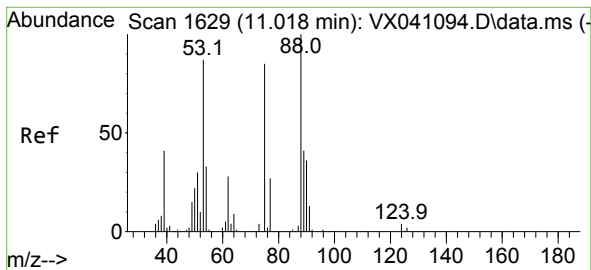
Tgt Ion: 75 Resp: 58154

Ion Ratio Lower Upper

75 100

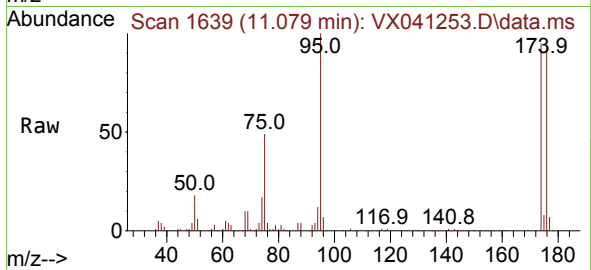
77 1.3 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 75.659 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX041253.D
 Acq: 26 Apr 2024 13:00

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion: 75 Resp: 58154
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.5 135.7#
 89 0.0 36.9 55.3#

