

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012524\
 Data File : VX039967.D
 Acq On : 25 Jan 2024 20:16
 Operator : JC/MD
 Sample : PB158617ZHE#06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jan 26 01:41:14 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011024W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 11 03:51:26 2024
 Response via : Initial Calibration

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

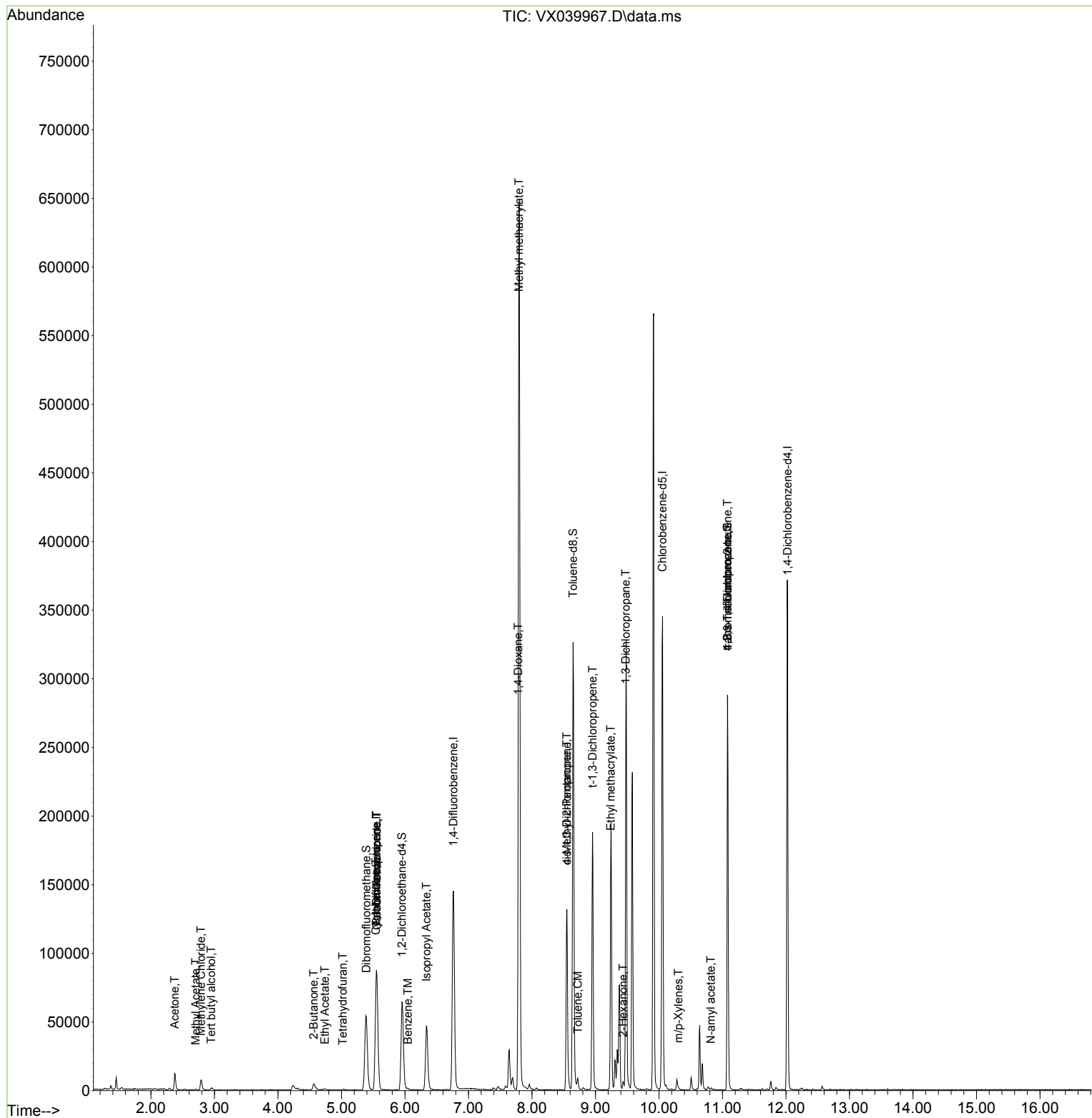
Internal Standards						
1) Pentafluorobenzene	5.550	168	77263	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	145756	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	145766	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	71320	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	61162	47.256	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 94.520%			
35) Dibromofluoromethane	5.391	113	46972	47.846	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 95.700%			
50) Toluene-d8	8.647	98	187474	50.632	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 101.260%			
62) 4-Bromofluorobenzene	11.079	95	73088	50.478	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 100.960%			
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.947	59	1702	5.052	ug/l	96
16) Acetone	2.374	43	12707	17.457	ug/l	97
18) Methyl Acetate	2.703	43	808	0.531	ug/l #	83
20) Methylene Chloride	2.788	84	3588	3.259	ug/l	94
25) 2-Butanone	4.562	43	8415	8.045	ug/l	91
29) Tetrahydrofuran	5.019	42	412	0.612	ug/l #	44
31) Cyclohexane	5.544	56	2105	1.232	ug/l #	51
36) 1,1-Dichloropropene	5.550	75	7083	4.635	ug/l #	49
37) Ethyl Acetate	4.739	43	1930	0.947	ug/l #	74
38) Carbon Tetrachloride	5.556	117	8711	6.224	ug/l #	15
40) Benzene	6.044	78	915	0.211	ug/l #	83
43) Isopropyl Acetate	6.336	43	64792	21.666	ug/l	99
48) Methyl methacrylate	7.793	41	58611	39.873	ug/l #	48
49) 1,4-Dioxane	7.781	88	19	0.668	ug/l #	12
51) 4-Methyl-2-Pentanone	8.549	43	49507	24.037	ug/l #	50
52) Toluene	8.720	92	2630	1.018	ug/l	99
53) t-1,3-Dichloropropene	8.952	75	426	0.270	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	19831	11.446	ug/l #	63
56) Ethyl methacrylate	9.238	69	442	0.248	ug/l #	1
57) 1,3-Dichloropropane	9.476	76	2638	1.415	ug/l #	42
59) 2-Hexanone	9.433	43	4229	2.594	ug/l	80
68) m/p-Xylenes	10.305	106	424	0.205	ug/l	93
74) N-amyl acetate	10.817	43	676	0.228	ug/l #	44
76) 1,2,3-Trichloropropane	11.079	75	40171	21.725	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	40171	63.136	ug/l #	5

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

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QLast Update : Thu Jan 11 03:51:26 2024
Response via : Initial Calibration



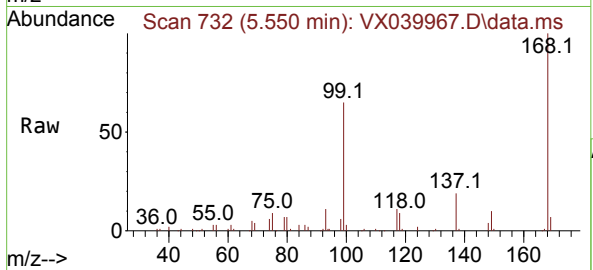


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX039967.D
Acq: 25 Jan 2024 20:16

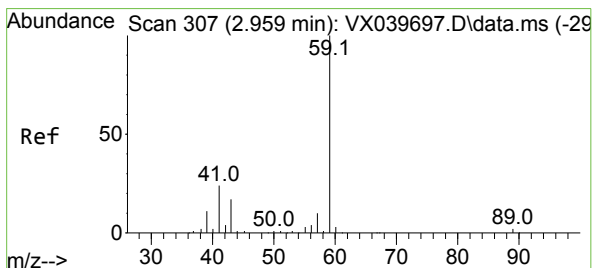
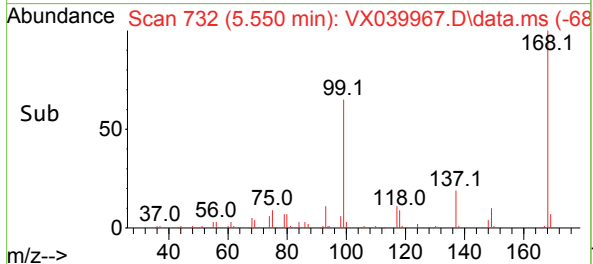
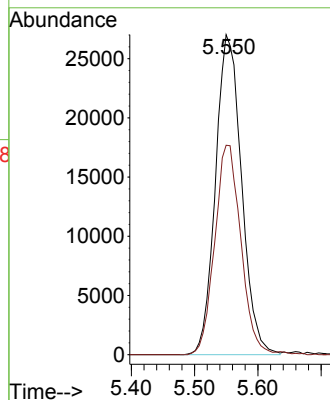
Instrument :

MSVOA_X

ClientSampleId :

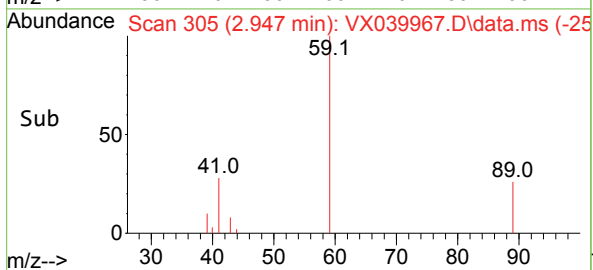
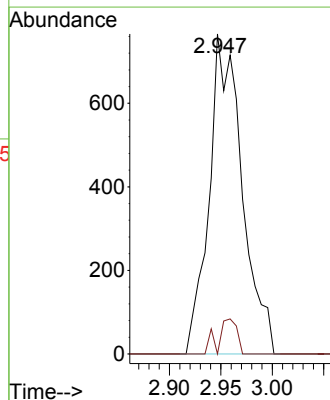
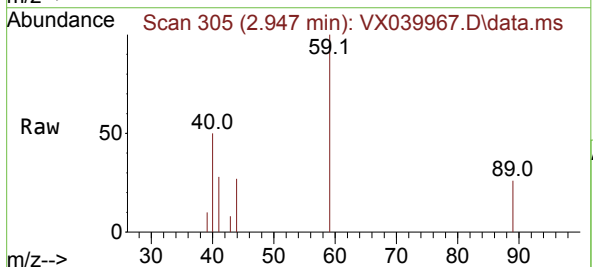


Tgt Ion:168 Resp: 77263
Ion Ratio Lower Upper
168 100
99 65.5 56.6 85.0



#11
Tert butyl alcohol
Concen: 5.052 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.012 min
Lab File: VX039967.D
Acq: 25 Jan 2024 20:16

Tgt Ion: 59 Resp: 1702
Ion Ratio Lower Upper
59 100
57 6.2 6.0 9.0

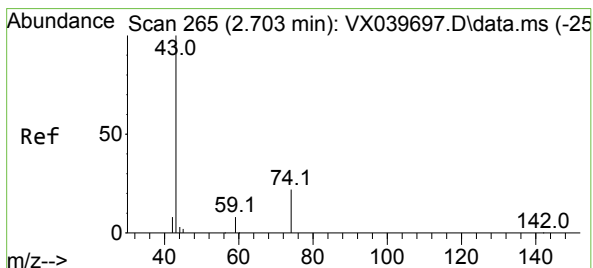
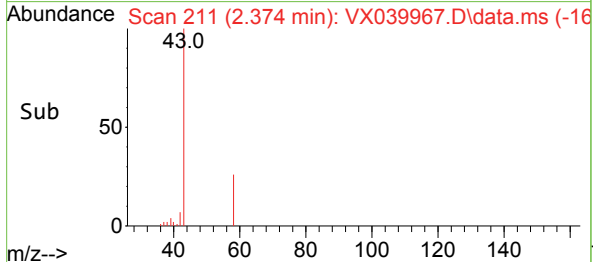
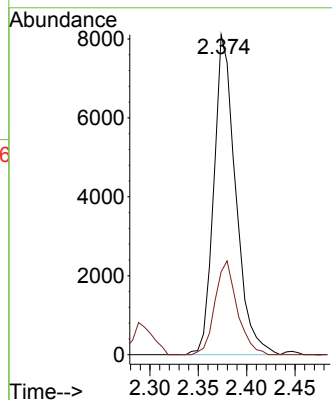
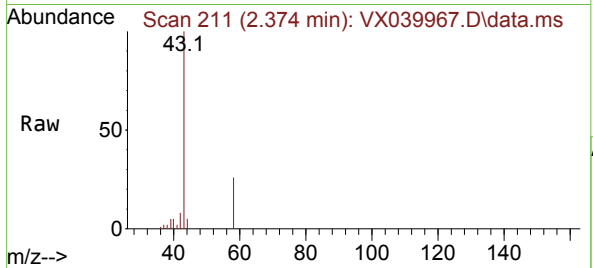




#16
Acetone
Concen: 17.457 ug/l
RT: 2.374 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX039967.D
Acq: 25 Jan 2024 20:16

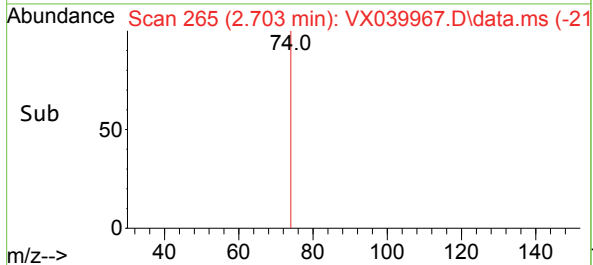
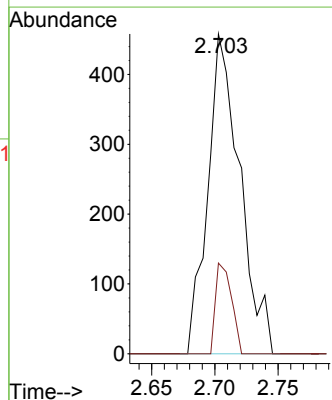
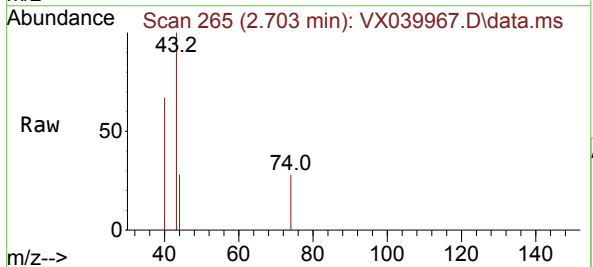
Instrument :
MSVOA_X
ClientSampleId :

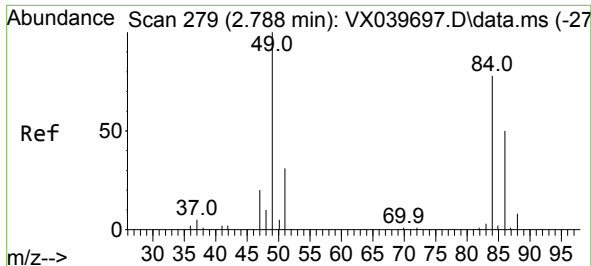
Tgt Ion: 43 Resp: 12707
Ion Ratio Lower Upper
43 100
58 25.9 21.9 32.9



#18
Methyl Acetate
Concen: 0.531 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX039967.D
Acq: 25 Jan 2024 20:16

Tgt Ion: 43 Resp: 808
Ion Ratio Lower Upper
43 100
74 14.0 17.8 26.8#





#20

Methylene Chloride

Concen: 3.259 ug/l

RT: 2.788 min Scan# 21

Delta R.T. 0.000 min

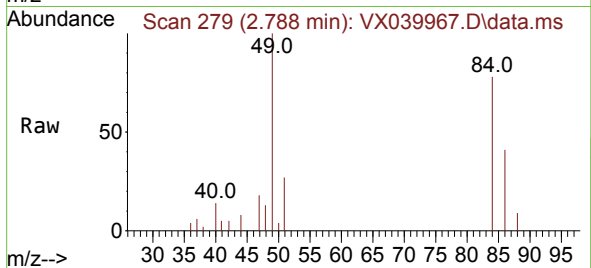
Lab File: VX039967.D

Acq: 25 Jan 2024 20:16

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 84 Resp: 3588

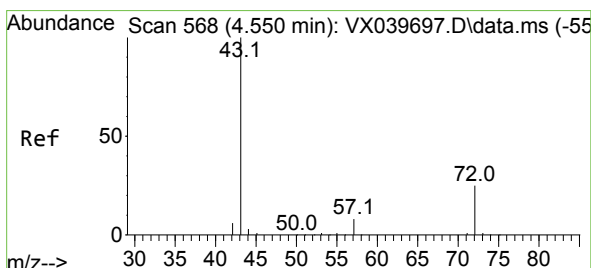
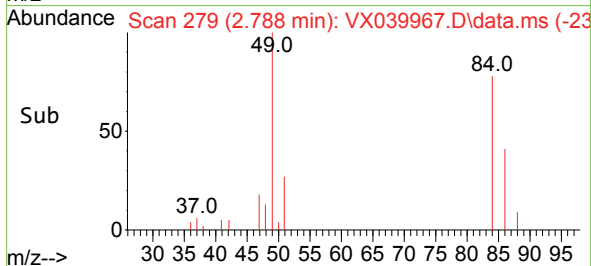
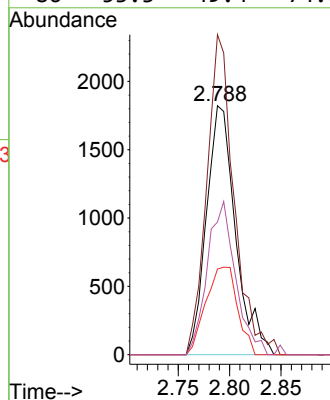
Ion Ratio Lower Upper

84 100

49 128.5 103.6 155.4

51 34.4 33.8 50.6

86 53.3 49.4 74.0



#25

2-Butanone

Concen: 8.045 ug/l

RT: 4.562 min Scan# 570

Delta R.T. 0.012 min

Lab File: VX039967.D

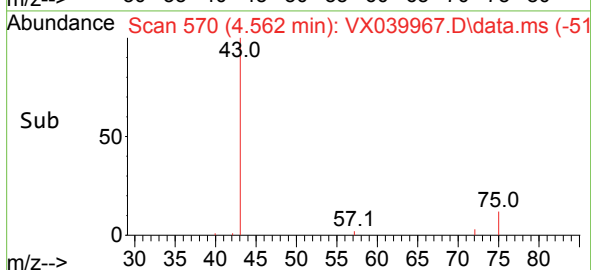
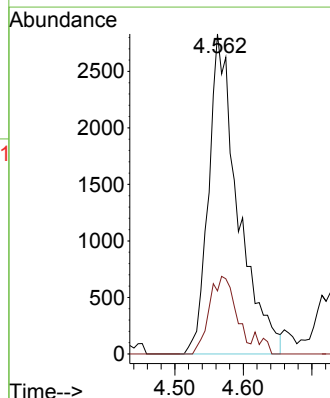
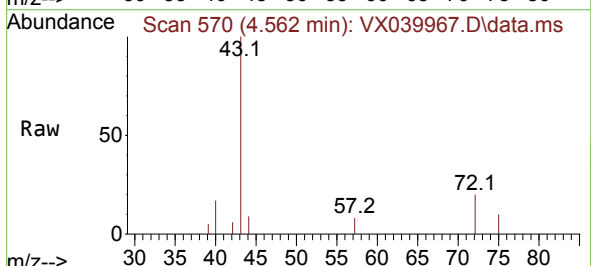
Acq: 25 Jan 2024 20:16

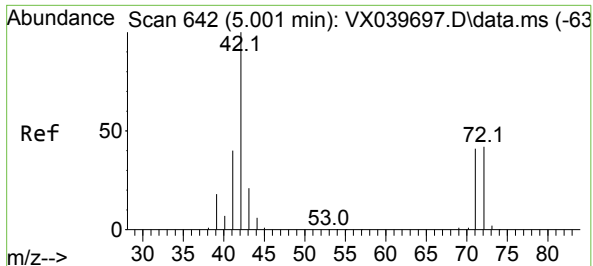
Tgt Ion: 43 Resp: 8415

Ion Ratio Lower Upper

43 100

72 19.7 19.4 29.2





#29

Tetrahydrofuran

Concen: 0.612 ug/l

RT: 5.019 min Scan# 642

Delta R.T. 0.018 min

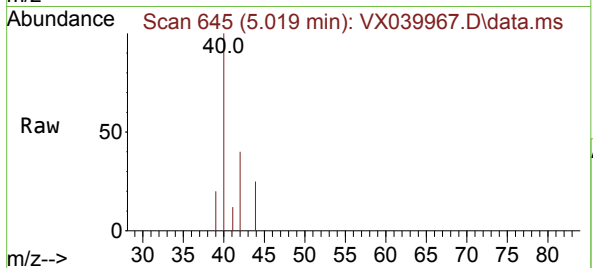
Lab File: VX039967.D

Acq: 25 Jan 2024 20:16

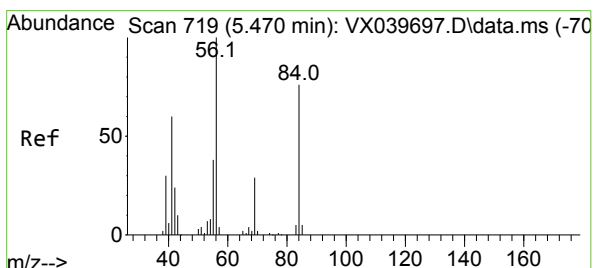
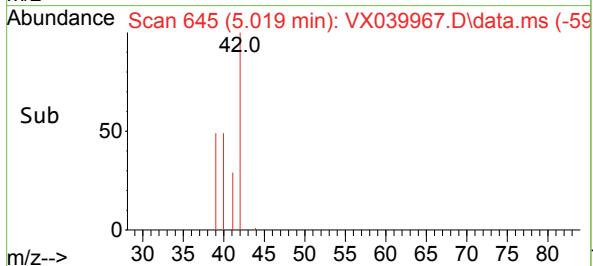
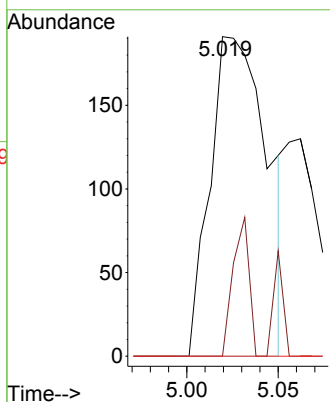
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:	42	Resp:	412
Ion Ratio	Lower	Upper	
42	100		
72	12.4	34.2	51.4#
71	0.0	32.2	48.2#



#31

Cyclohexane

Concen: 1.232 ug/l

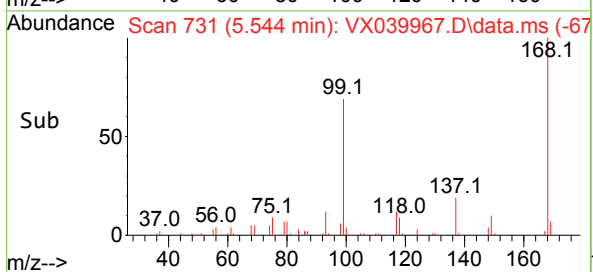
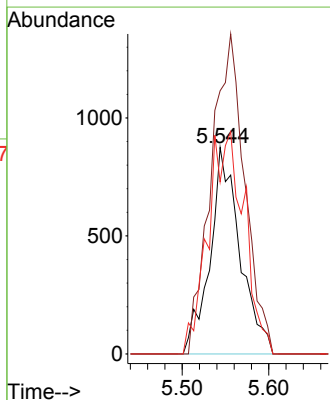
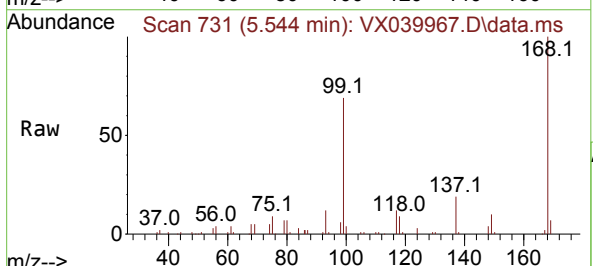
RT: 5.544 min Scan# 731

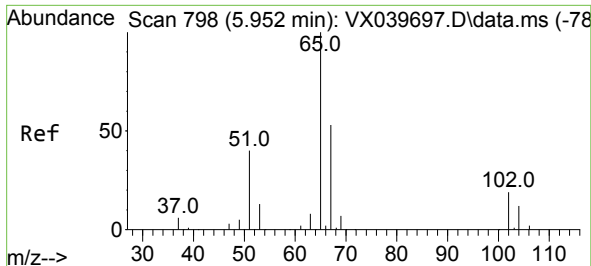
Delta R.T. 0.073 min

Lab File: VX039967.D

Acq: 25 Jan 2024 20:16

Tgt Ion:	56	Resp:	2105
Ion Ratio	Lower	Upper	
56	100		
69	127.4	23.4	35.2#
84	83.3	65.9	98.9





#33

1,2-Dichloroethane-d4

Concen: 47.256 ug/l

RT: 5.952 min Scan# 798

Delta R.T. 0.000 min

Lab File: VX039967.D

Acq: 25 Jan 2024 20:16

Instrument :

MSVOA_X

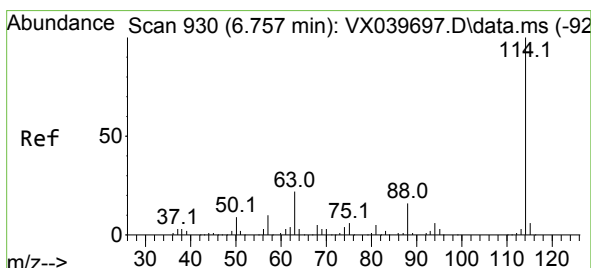
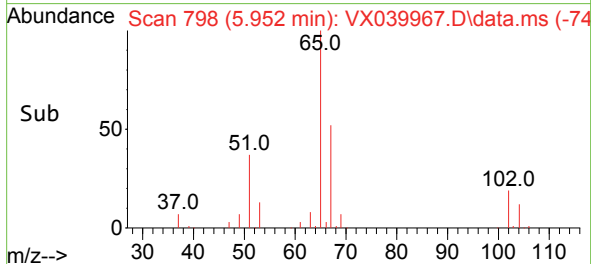
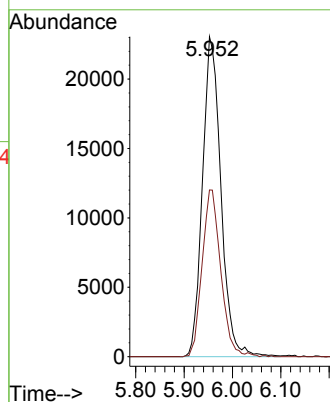
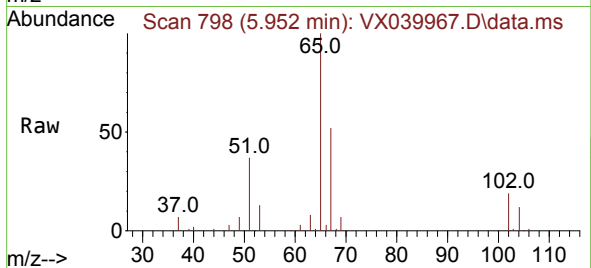
ClientSampleId :

Tgt Ion: 65 Resp: 61162

Ion Ratio Lower Upper

65 100

67 52.2 0.0 100.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.006 min

Lab File: VX039967.D

Acq: 25 Jan 2024 20:16

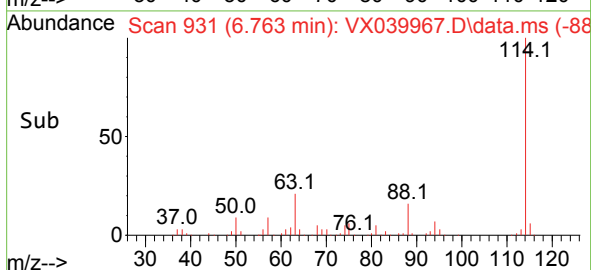
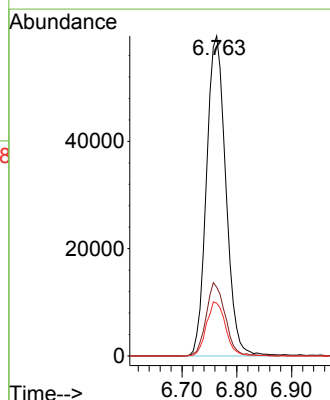
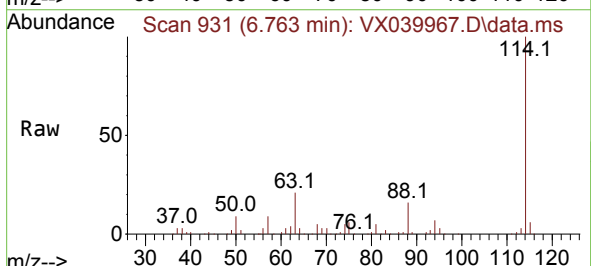
Tgt Ion:114 Resp: 145756

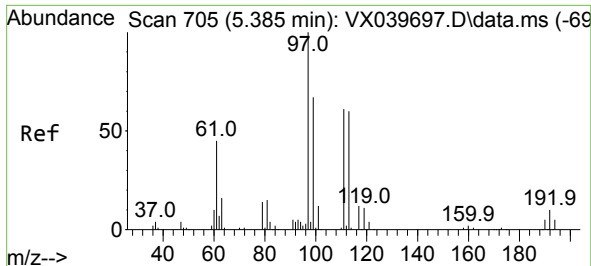
Ion Ratio Lower Upper

114 100

63 21.5 0.0 45.0

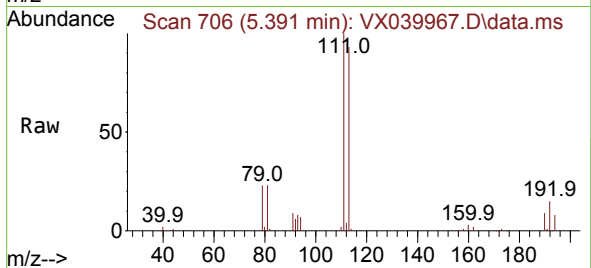
88 16.5 0.0 36.6



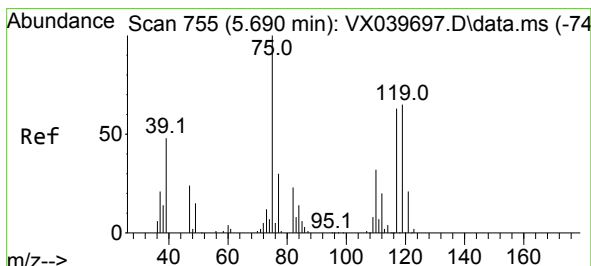
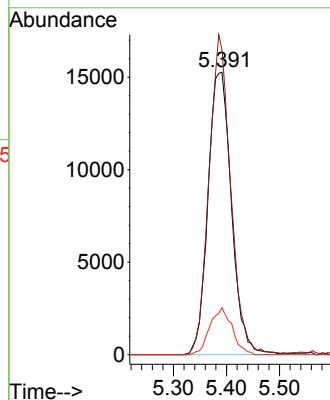
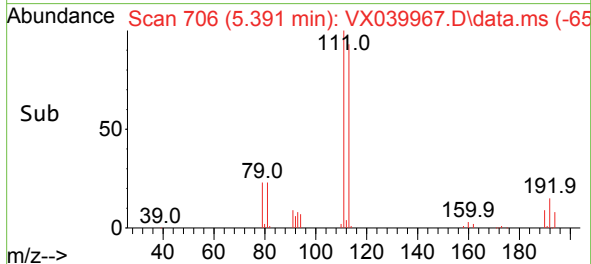


#35
Dibromofluoromethane
Concen: 47.846 ug/l
RT: 5.391 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX039967.D
Acq: 25 Jan 2024 20:16

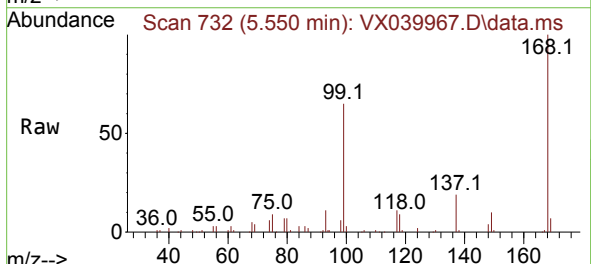
Instrument :
MSVOA_X
ClientSampleId :



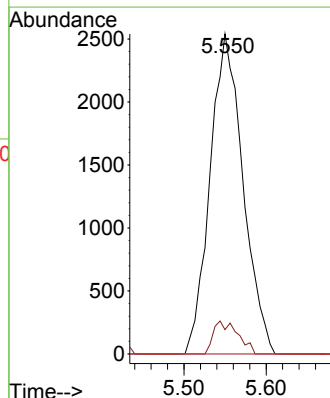
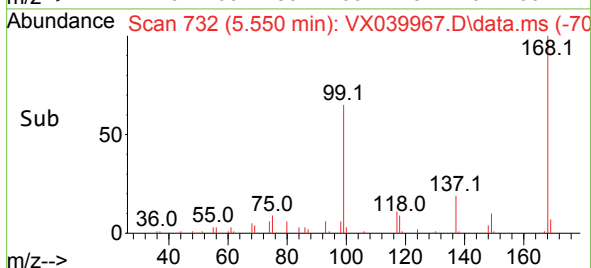
Tgt Ion:113 Resp: 46972
Ion Ratio Lower Upper
113 100
111 104.5 82.9 124.3
192 15.8 13.3 19.9

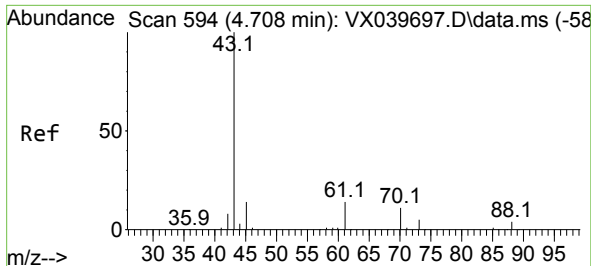


#36
1,1-Dichloropropene
Concen: 4.635 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX039967.D
Acq: 25 Jan 2024 20:16



Tgt Ion: 75 Resp: 7083
Ion Ratio Lower Upper
75 100
110 7.6 17.0 50.9#
77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 0.947 ug/l

RT: 4.739 min Scan# 594

Delta R.T. 0.031 min

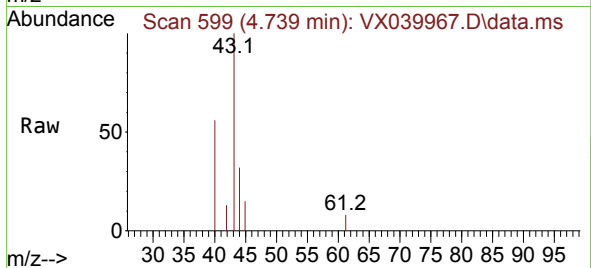
Lab File: VX039967.D

Acq: 25 Jan 2024 20:16

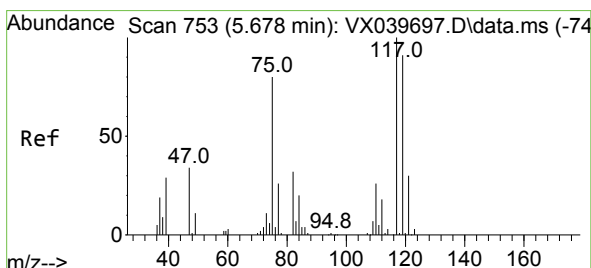
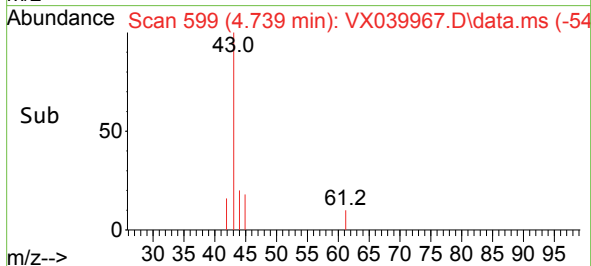
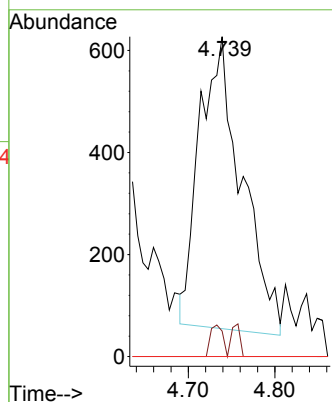
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 43	Resp: 1930
Ion Ratio	Lower Upper
43	100
61	3.2 10.6 16.0#
70	0.0 8.3 12.5#



#38

Carbon Tetrachloride

Concen: 6.224 ug/l

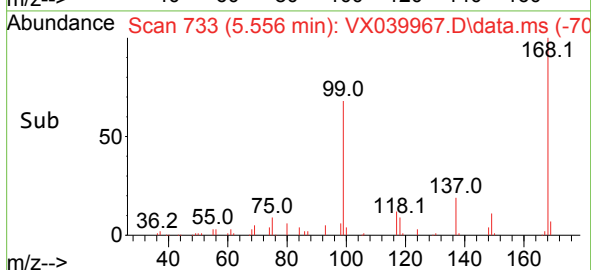
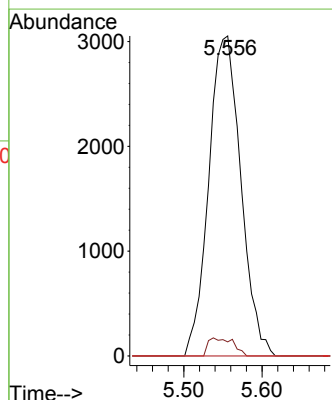
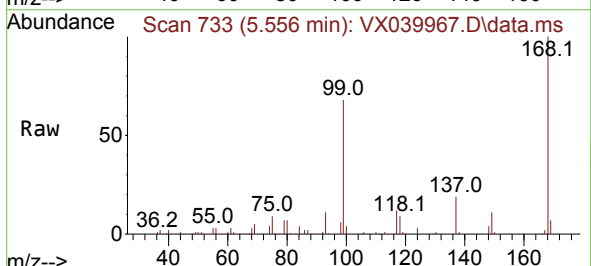
RT: 5.556 min Scan# 733

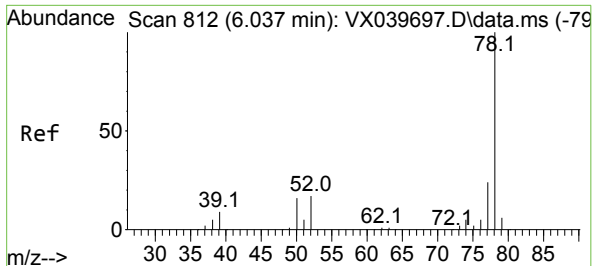
Delta R.T. -0.122 min

Lab File: VX039967.D

Acq: 25 Jan 2024 20:16

Tgt Ion: 117	Resp: 8711
Ion Ratio	Lower Upper
117	100
119	4.4 78.2 117.2#
121	0.0 24.4 36.6#

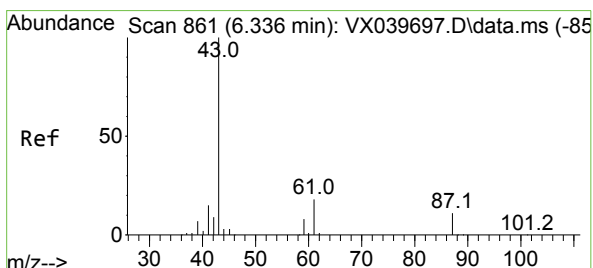
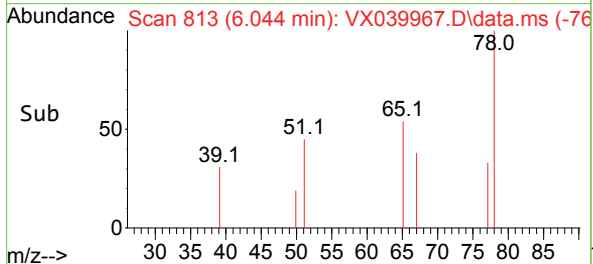
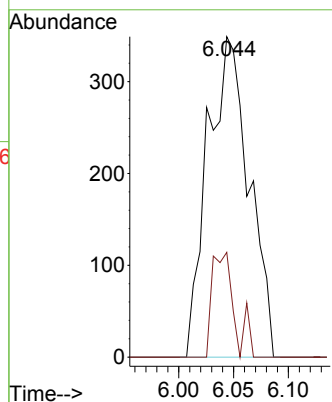
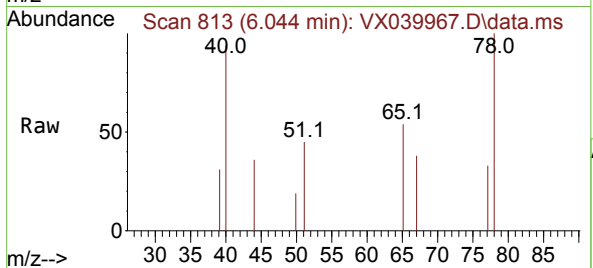




#40
Benzene
Concen: 0.211 ug/l
RT: 6.044 min Scan# 812
Delta R.T. 0.006 min
Lab File: VX039967.D
Acq: 25 Jan 2024 20:16

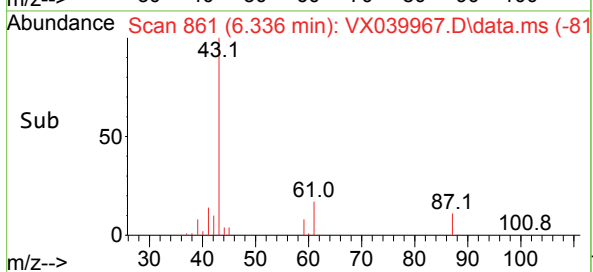
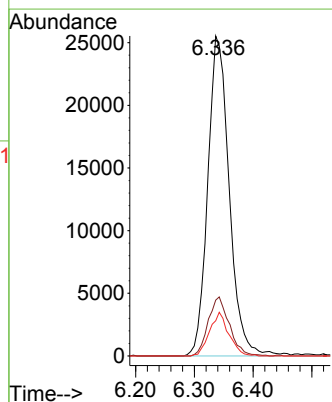
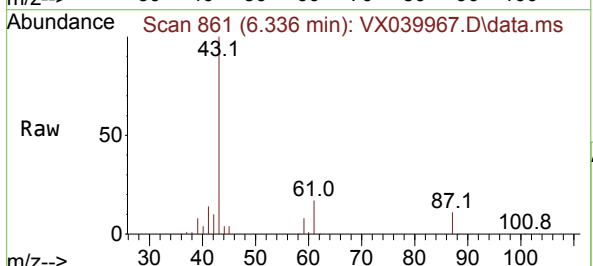
Instrument :
MSVOA_X
ClientSampleId :

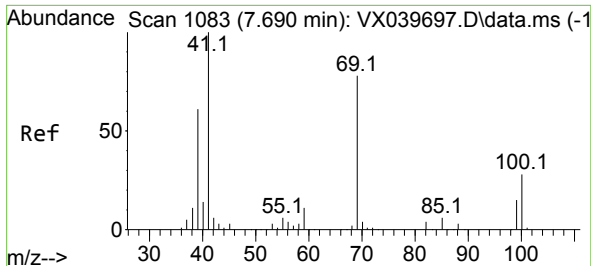
Tgt Ion: 78 Resp: 915
Ion Ratio Lower Upper
78 100
77 32.7 19.3 28.9#



#43
Isopropyl Acetate
Concen: 21.666 ug/l
RT: 6.336 min Scan# 861
Delta R.T. 0.000 min
Lab File: VX039967.D
Acq: 25 Jan 2024 20:16

Tgt Ion: 43 Resp: 64792
Ion Ratio Lower Upper
43 100
61 18.2 15.2 22.8
87 12.2 9.8 14.6





#48

Methyl methacrylate

Concen: 39.873 ug/l

RT: 7.793 min Scan# 1100

Delta R.T. 0.104 min

Lab File: VX039967.D

Acq: 25 Jan 2024 20:16

Instrument :

MSVOA_X

ClientSampleId :

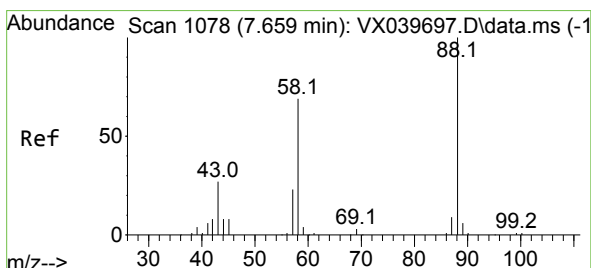
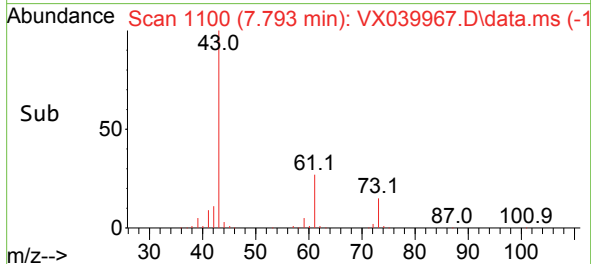
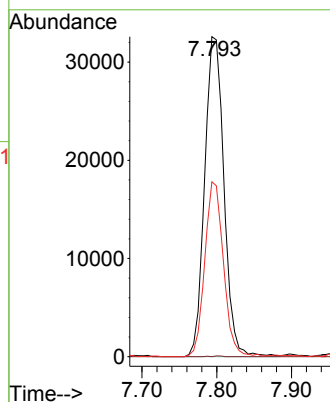
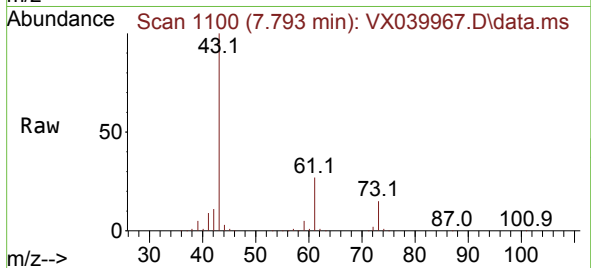
Tgt Ion: 41 Resp: 58611

Ion Ratio Lower Upper

41 100

69 0.1 59.2 88.8#

39 52.9 47.7 71.5



#49

1,4-Dioxane

Concen: 0.668 ug/l

RT: 7.781 min Scan# 1098

Delta R.T. 0.122 min

Lab File: VX039967.D

Acq: 25 Jan 2024 20:16

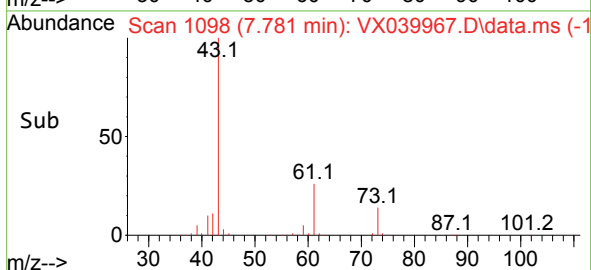
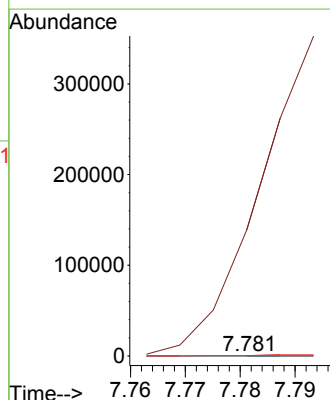
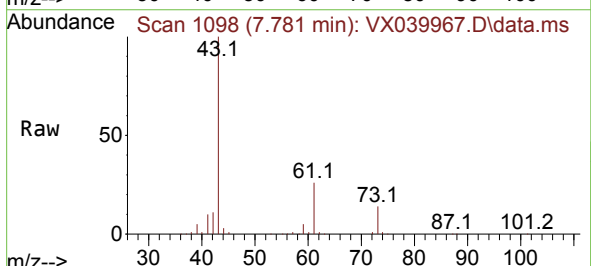
Tgt Ion: 88 Resp: 19

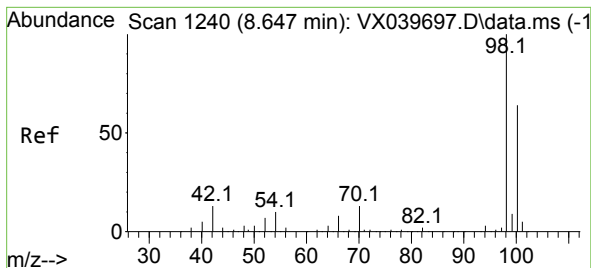
Ion Ratio Lower Upper

88 100

43 0.0 0.0 0.0

58 0.0 60.1 90.1#





#50

Toluene-d8

Concen: 50.632 ug/l

RT: 8.647 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX039967.D

Acq: 25 Jan 2024 20:16

Instrument :

MSVOA_X

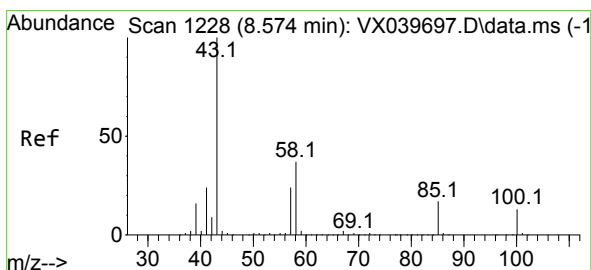
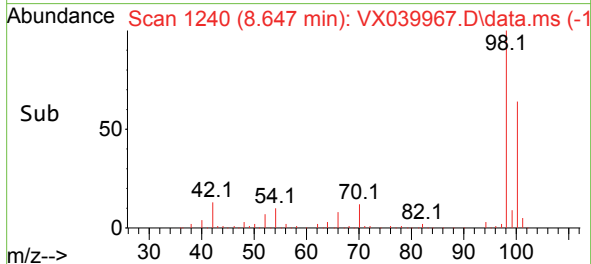
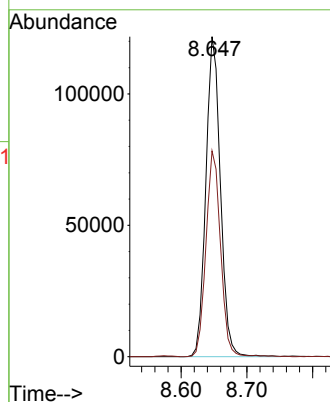
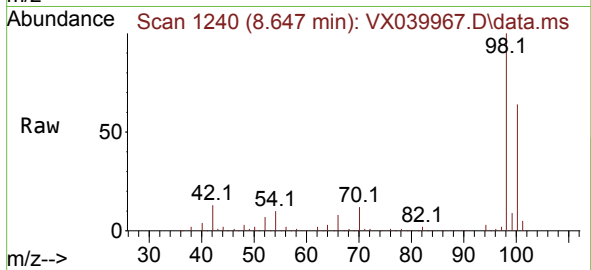
ClientSampleId :

Tgt Ion: 98 Resp: 187474

Ion Ratio Lower Upper

98 100

100 64.5 53.1 79.7



#51

4-Methyl-2-Pentanone

Concen: 24.037 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. -0.024 min

Lab File: VX039967.D

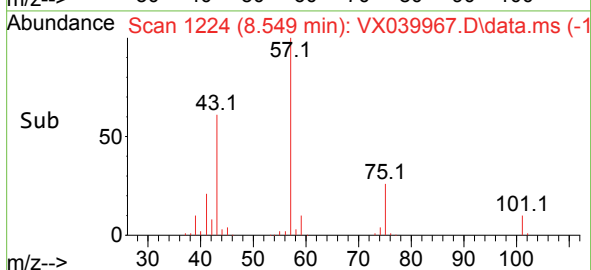
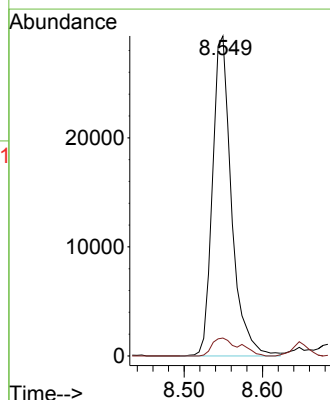
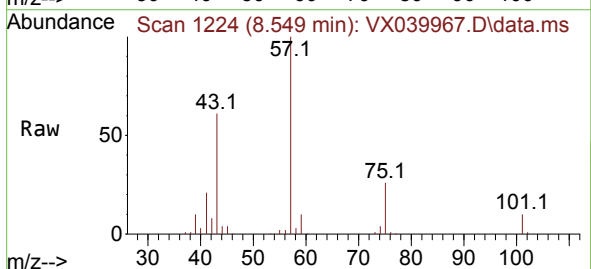
Acq: 25 Jan 2024 20:16

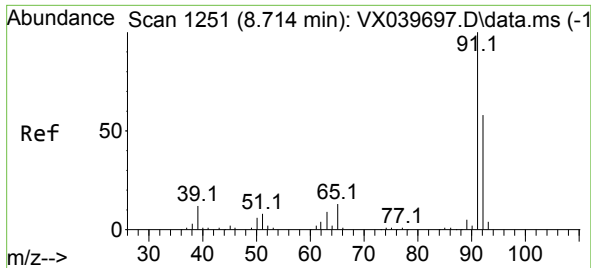
Tgt Ion: 43 Resp: 49507

Ion Ratio Lower Upper

43 100

58 8.1 30.4 45.6#

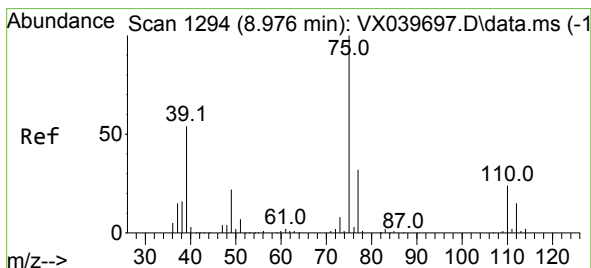
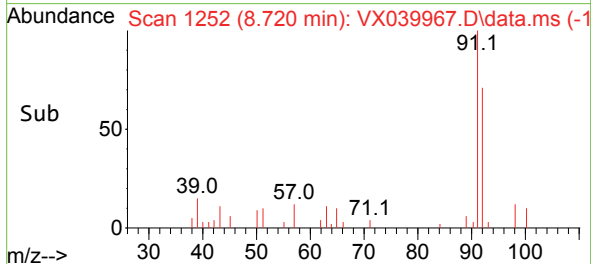
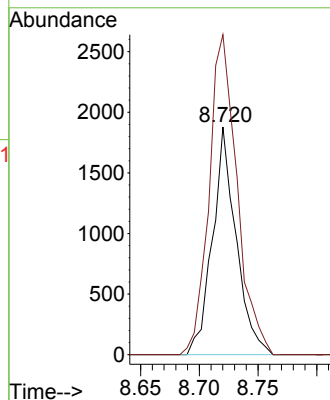
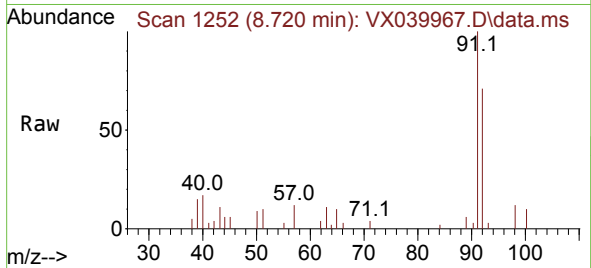




#52
Toluene
Concen: 1.018 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.006 min
Lab File: VX039967.D
Acq: 25 Jan 2024 20:16

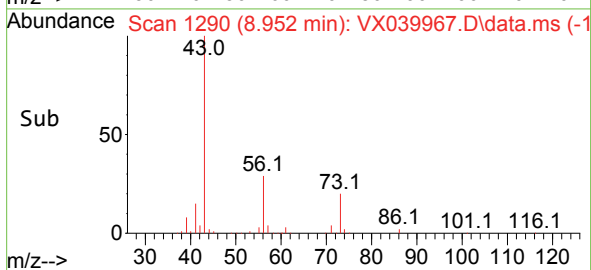
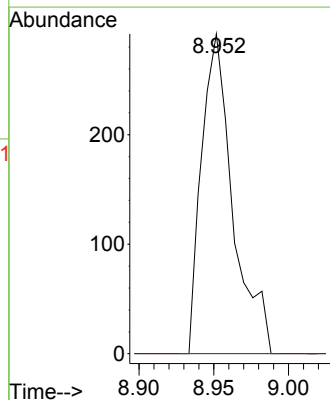
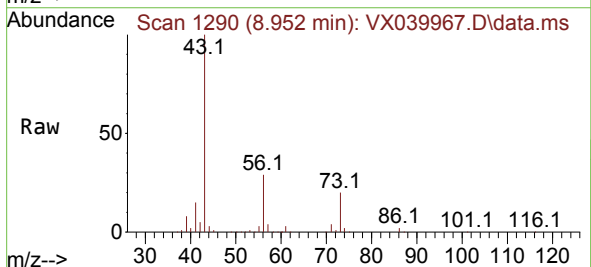
Instrument :
MSVOA_X
ClientSampleId :

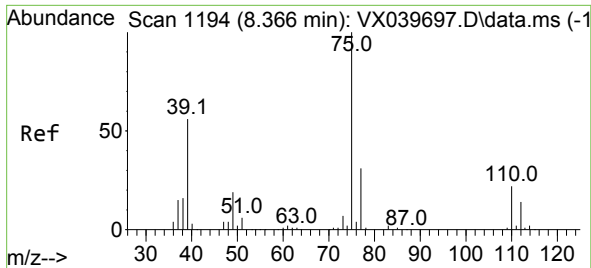
Tgt Ion: 92 Resp: 2630
Ion Ratio Lower Upper
92 100
91 166.0 134.2 201.2



#53
t-1,3-Dichloropropene
Concen: 0.270 ug/l
RT: 8.952 min Scan# 1290
Delta R.T. -0.024 min
Lab File: VX039967.D
Acq: 25 Jan 2024 20:16

Tgt Ion: 75 Resp: 426
Ion Ratio Lower Upper
75 100
77 0.0 25.7 38.5#

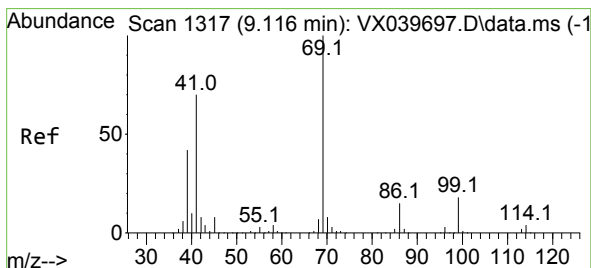
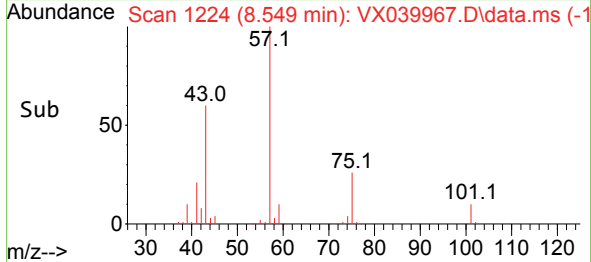
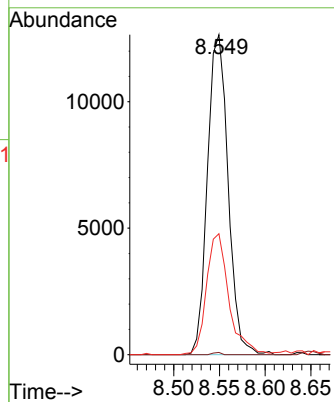
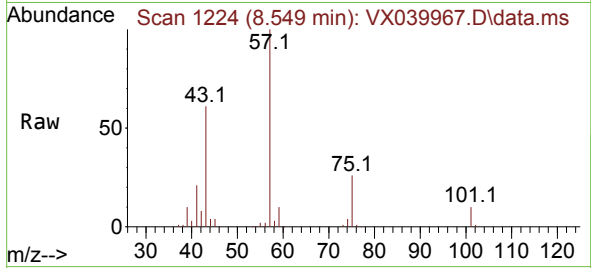




#54
cis-1,3-Dichloropropene
Concen: 11.446 ug/l
RT: 8.549 min Scan# 1194
Delta R.T. 0.183 min
Lab File: VX039967.D
Acq: 25 Jan 2024 20:16

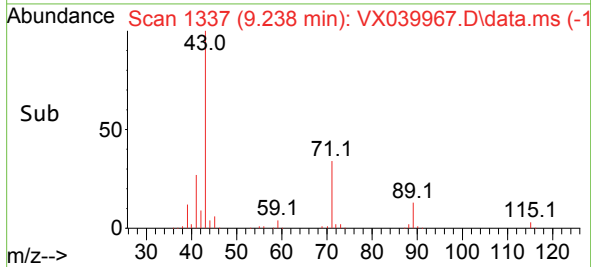
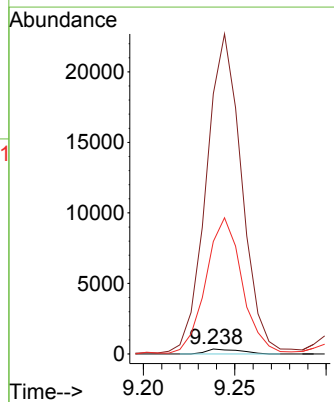
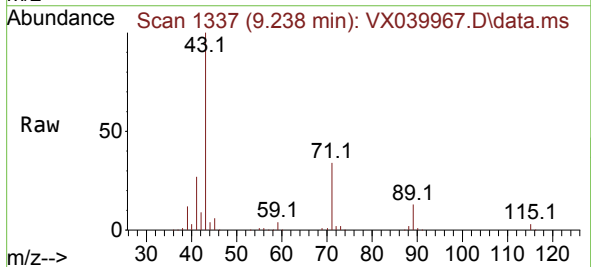
Instrument :
MSVOA_X
ClientSampleId :

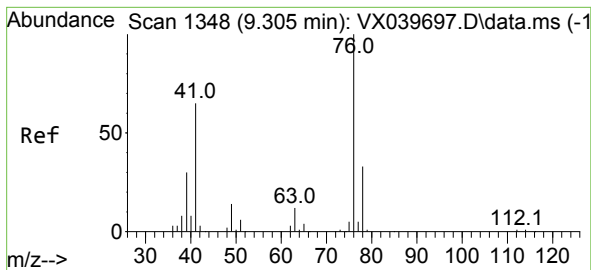
Tgt Ion: 75 Resp: 19831
Ion Ratio Lower Upper
75 100
77 0.7 25.3 37.9#
39 37.8 46.7 70.1#



#56
Ethyl methacrylate
Concen: 0.248 ug/l
RT: 9.238 min Scan# 1337
Delta R.T. 0.122 min
Lab File: VX039967.D
Acq: 25 Jan 2024 20:16

Tgt Ion: 69 Resp: 442
Ion Ratio Lower Upper
69 100
41 7012.0 56.8 85.2#
39 3057.9 32.0 48.0#





#57

1,3-Dichloropropane

Concen: 1.415 ug/l

RT: 9.476 min Scan# 1376

Delta R.T. 0.171 min

Lab File: VX039967.D

Acq: 25 Jan 2024 20:16

Instrument :

MSVOA_X

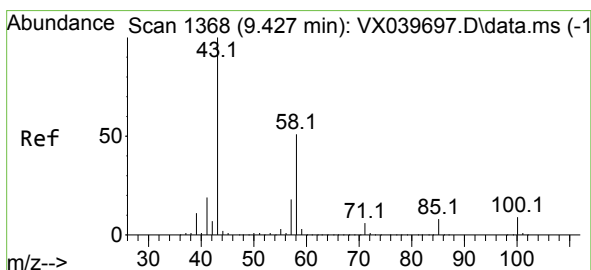
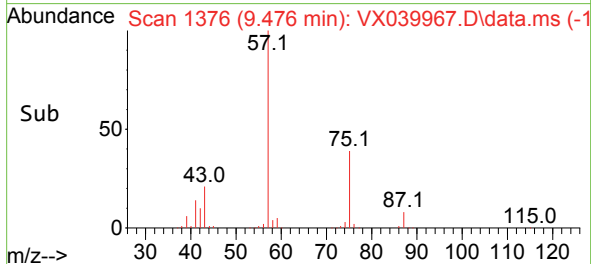
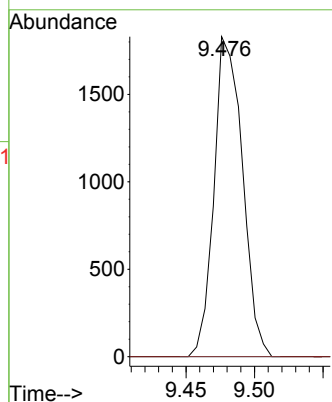
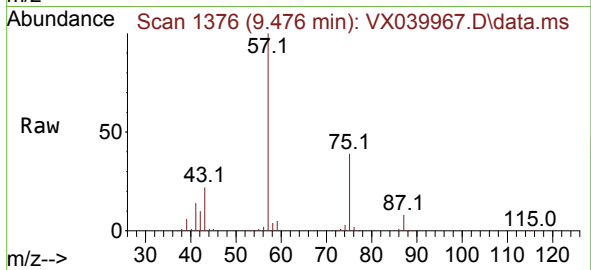
ClientSampleId :

Tgt Ion: 76 Resp: 2638

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 2.594 ug/l

RT: 9.433 min Scan# 1369

Delta R.T. 0.006 min

Lab File: VX039967.D

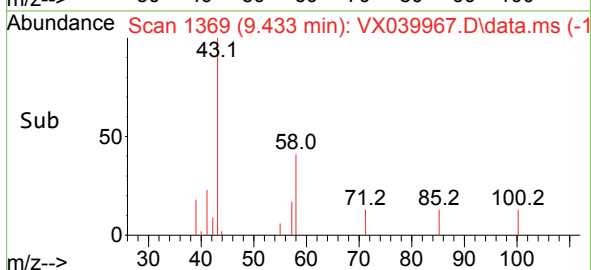
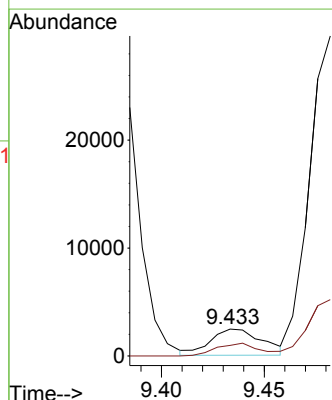
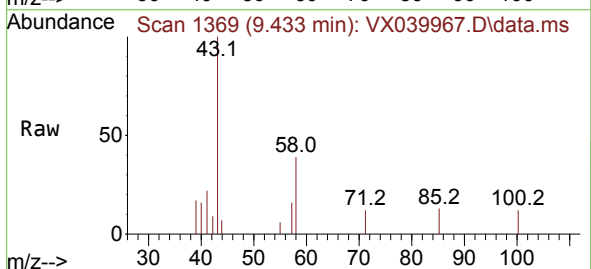
Acq: 25 Jan 2024 20:16

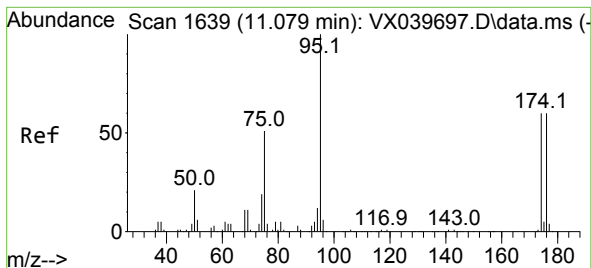
Tgt Ion: 43 Resp: 4229

Ion Ratio Lower Upper

43 100

58 38.5 26.2 78.5

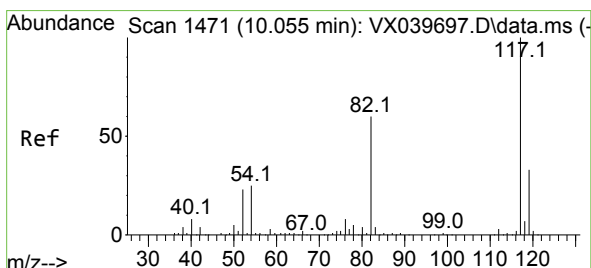
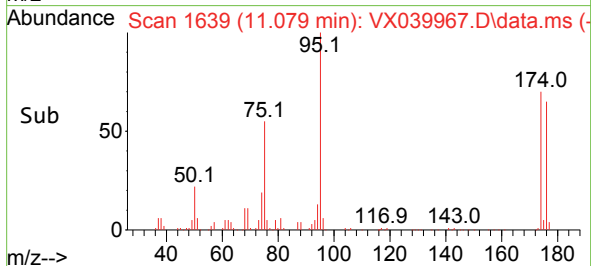
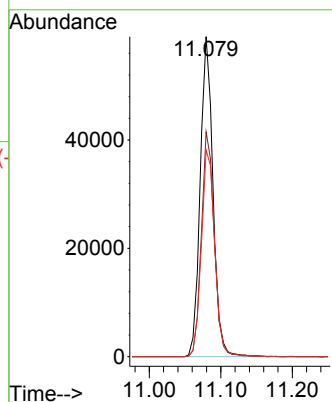
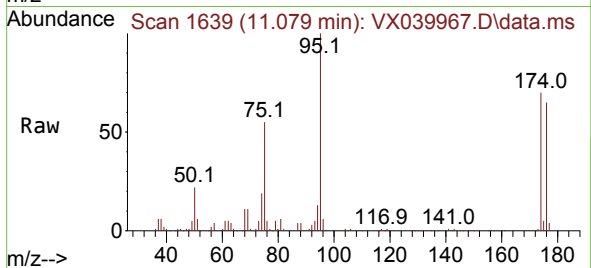




#62
4-Bromofluorobenzene
Concen: 50.478 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX039967.D
Acq: 25 Jan 2024 20:16

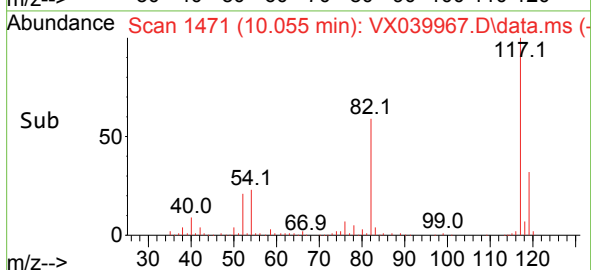
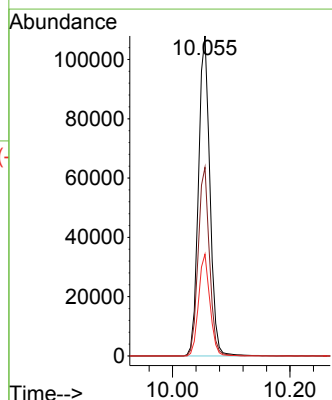
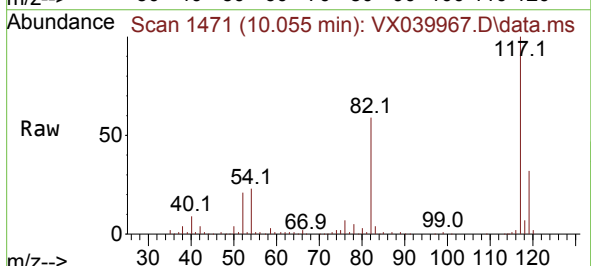
Instrument :
MSVOA_X
ClientSampleId :

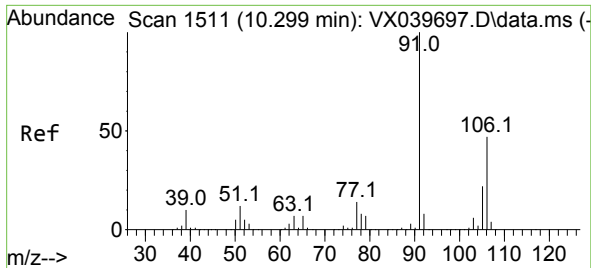
Tgt Ion: 95 Resp: 73088
Ion Ratio Lower Upper
95 100
174 71.1 0.0 135.6
176 67.5 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX039967.D
Acq: 25 Jan 2024 20:16

Tgt Ion: 117 Resp: 145766
Ion Ratio Lower Upper
117 100
82 59.0 46.2 69.4
119 31.8 25.5 38.3

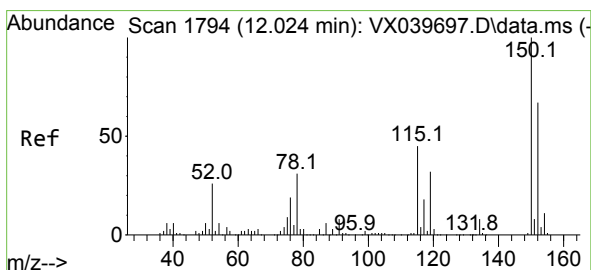
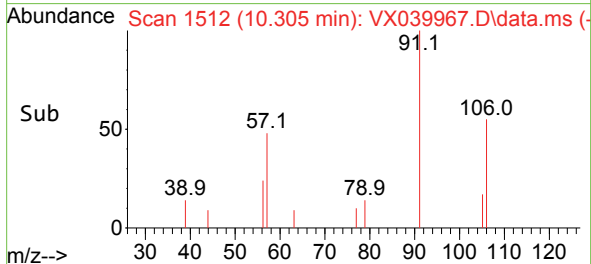
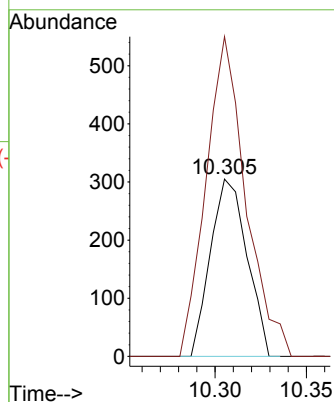
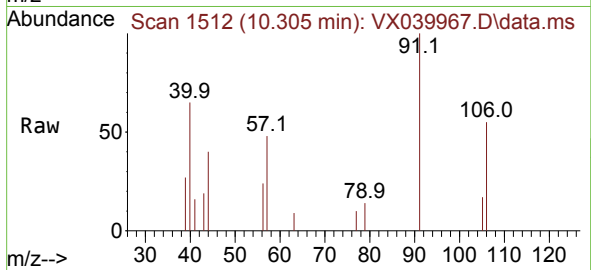




#68
m/p-Xylenes
Concen: 0.205 ug/l
RT: 10.305 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX039967.D
Acq: 25 Jan 2024 20:16

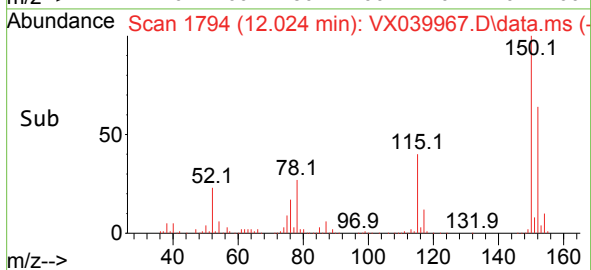
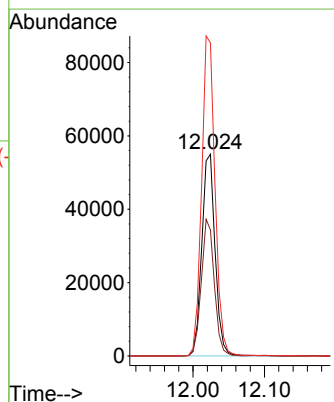
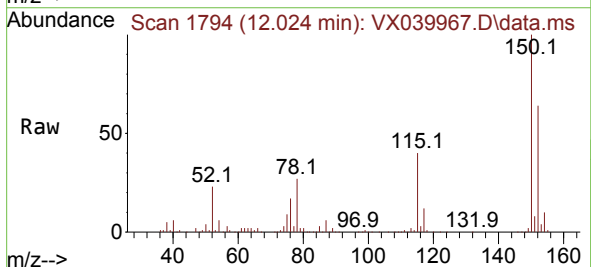
Instrument :
MSVOA_X
ClientSampleId :

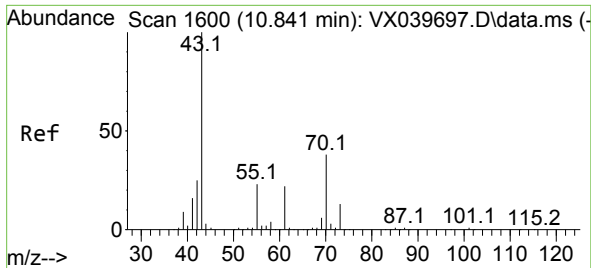
Tgt Ion:106 Resp: 424
Ion Ratio Lower Upper
106 100
91 196.2 165.5 248.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX039967.D
Acq: 25 Jan 2024 20:16

Tgt Ion:152 Resp: 71320
Ion Ratio Lower Upper
152 100
115 65.9 43.3 129.9
150 159.3 0.0 345.0

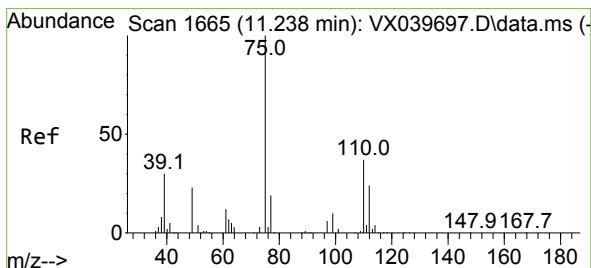
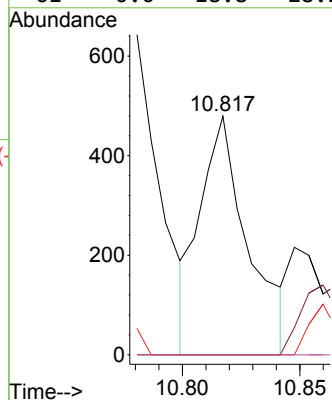
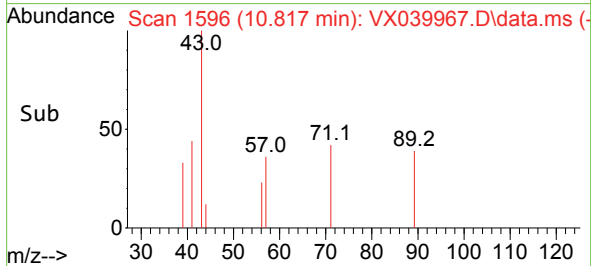
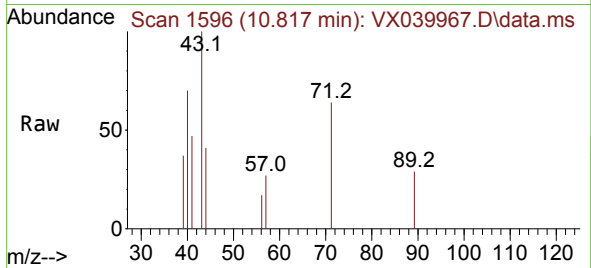




#74
N-amy1 acetate
Concen: 0.228 ug/l
RT: 10.817 min Scan# 1639
Delta R.T. -0.024 min
Lab File: VX039967.D
Acq: 25 Jan 2024 20:16

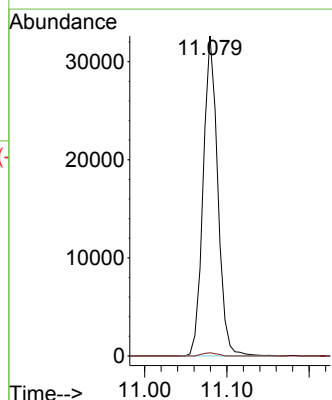
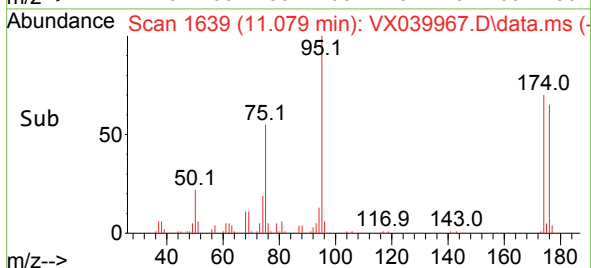
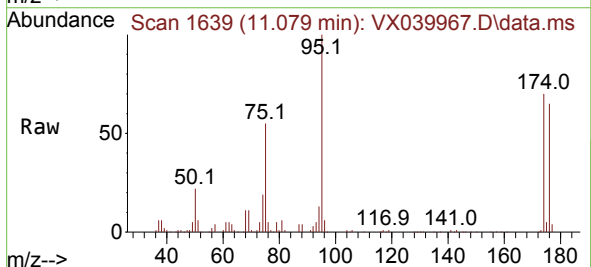
Instrument :
MSVOA_X
ClientSampleId :

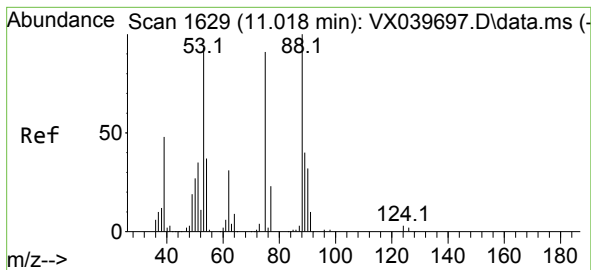
Tgt Ion: 43	Resp: 676
Ion Ratio	Lower Upper
43	100
70	0.0 32.9 49.3#
55	0.0 19.3 28.9#
61	0.0 18.8 28.2#



#76
1,2,3-Trichloropropane
Concen: 21.725 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX039967.D
Acq: 25 Jan 2024 20:16

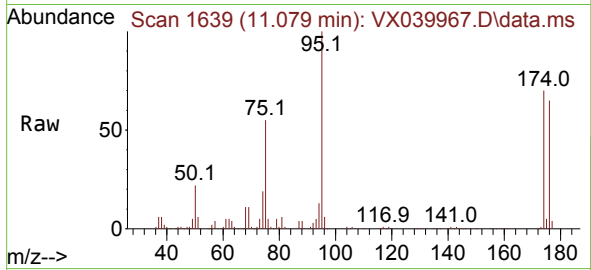
Tgt Ion: 75	Resp: 40171
Ion Ratio	Lower Upper
75	100
77	1.0 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 63.136 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX039967.D
 Acq: 25 Jan 2024 20:16

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion: 75 Resp: 40171
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.5 135.7#
 89 0.0 36.9 55.3#

