

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101823\
 Data File : VX038367.D
 Acq On : 18 Oct 2023 16:58
 Operator : JC/MD
 Sample : 04936-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 19 01:42:55 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100523W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 05 15:27:13 2023
 Response via : Initial Calibration

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

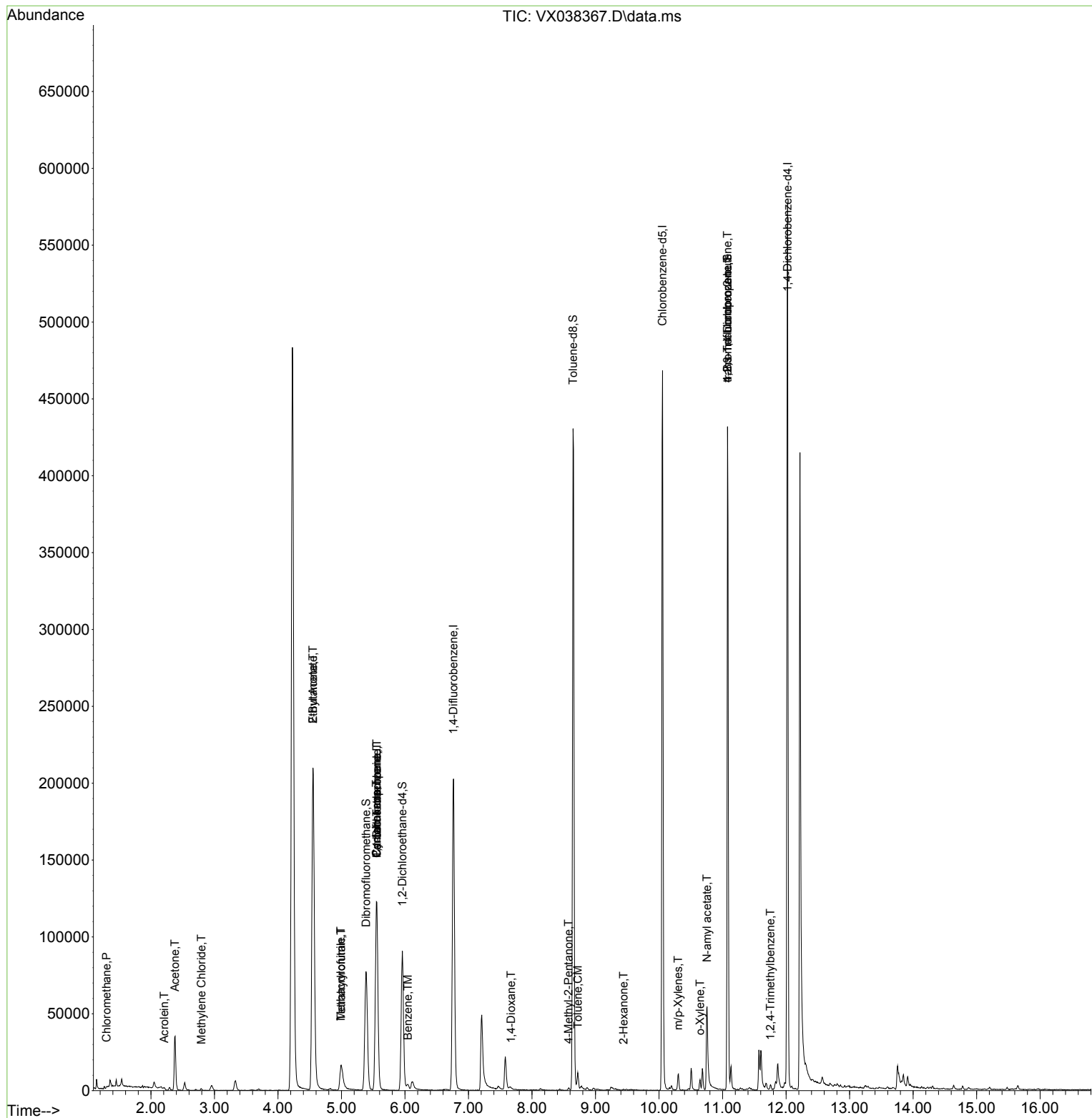
Internal Standards						
1) Pentafluorobenzene	5.556	168	116443	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	206513	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	213849	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	114800	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	83312	44.483	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	88.960%		
35) Dibromofluoromethane	5.385	113	65994	44.349	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	88.700%		
50) Toluene-d8	8.647	98	264114	46.448	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	92.900%		
62) 4-Bromofluorobenzene	11.079	95	104740	48.587	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	97.180%		
Target Compounds						
						Qvalue
3) Chloromethane	1.300	50	284	0.248	ug/l	99
5) Bromomethane	1.660	94	19	Below Cal	#	3
6) Chloroethane	1.672	64	71	Below Cal	#	43
11) Tert butyl alcohol	2.959	59	3361	Below Cal	#	90
13) Acrolein	2.209	56	83	0.312	ug/l	# 1
16) Acetone	2.379	43	37883	48.465	ug/l	91
20) Methylene Chloride	2.794	84	522	0.355	ug/l	# 68
25) 2-Butanone	4.550	43	354162	280.817	ug/l	93
29) Tetrahydrofuran	4.995	42	1132	1.379	ug/l	# 65
31) Cyclohexane	5.550	56	2940	1.449	ug/l	# 15
36) 1,1-Dichloropropene	5.556	75	9297	4.531	ug/l	# 50
37) Ethyl Acetate	4.550	43	354162	145.325	ug/l	# 69
38) Carbon Tetrachloride	5.556	117	12145	6.016	ug/l	# 15
40) Benzene	6.043	78	4453	0.776	ug/l	# 89
41) Methacrylonitrile	4.989	41	4618	3.809	ug/l	# 52
49) 1,4-Dioxane	7.671	88	350	8.178	ug/l	# 74
51) 4-Methyl-2-Pentanone	8.573	43	1150	0.458	ug/l	# 80
52) Toluene	8.720	92	3242	0.867	ug/l	92
59) 2-Hexanone	9.439	43	537	0.266	ug/l	# 50
68) m/p-Xylenes	10.299	106	2580	0.835	ug/l	97
69) o-Xylene	10.646	106	1649	0.547	ug/l	80
74) N-amyl acetate	10.756	43	13927	4.236	ug/l	# 1
76) 1,2,3-Trichloropropane	11.079	75	57647	22.088	ug/l	# 38
81) trans-1,4-Dichloro-2-b...	11.079	75	57647	63.327	ug/l	# 5
84) 1,2,4-Trimethylbenzene	11.756	105	1521	0.230	ug/l	94

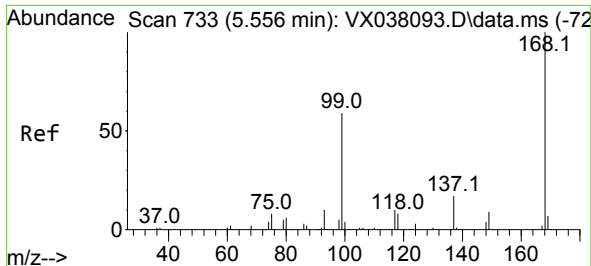
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Oct 05 15:27:13 2023
Response via : Initial Calibration





#1
Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.556 min Scan# 71

Delta R.T. -0.000 min

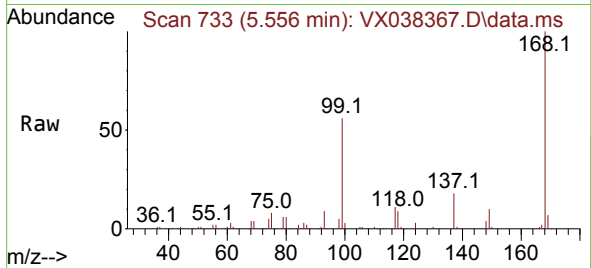
Lab File: VX038367.D

Acq: 18 Oct 2023 16:58

Instrument :

MSVOA_X

ClientSampleId :

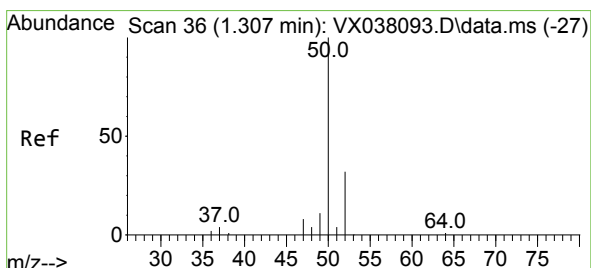
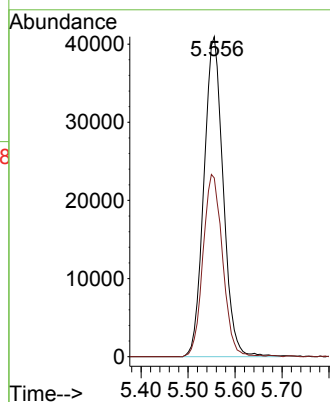
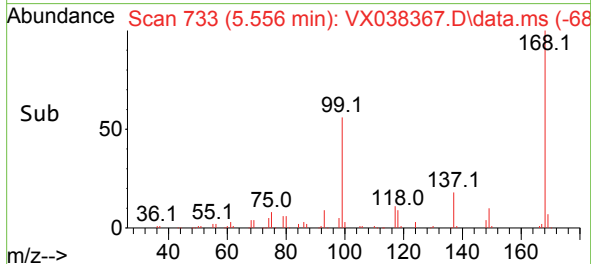


Tgt Ion:168 Resp: 116443

Ion Ratio Lower Upper

168 100

99 55.8 56.6 85.0#



#3

Chloromethane

Concen: 0.248 ug/l

RT: 1.300 min Scan# 35

Delta R.T. -0.001 min

Lab File: VX038367.D

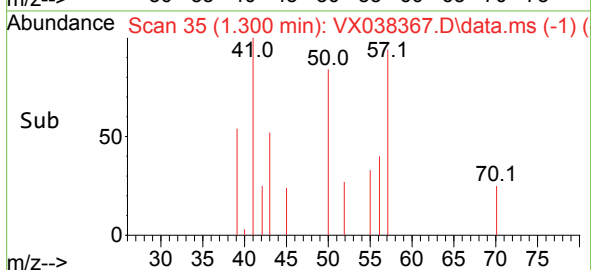
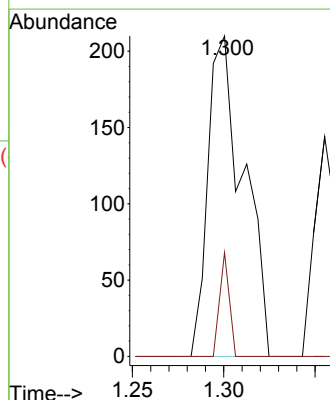
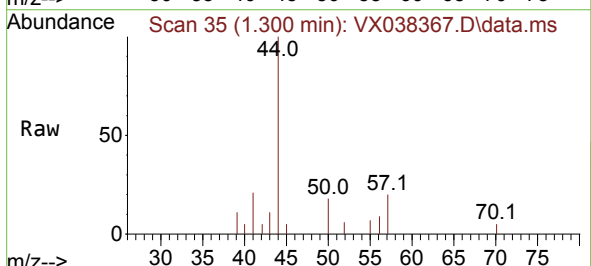
Acq: 18 Oct 2023 16:58

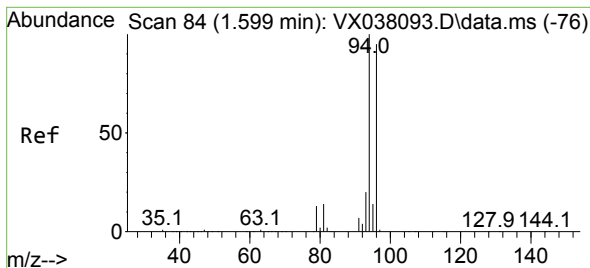
Tgt Ion: 50 Resp: 284

Ion Ratio Lower Upper

50 100

52 32.4 25.5 38.3





#5

Bromomethane

Concen: Below Cal

RT: 1.660 min Scan# 94

Delta R.T. 0.061 min

Lab File: VX038367.D

Acq: 18 Oct 2023 16:58

Instrument :

MSVOA_X

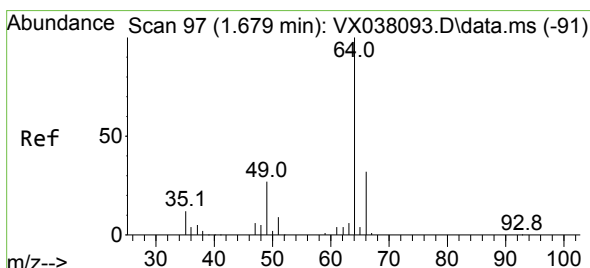
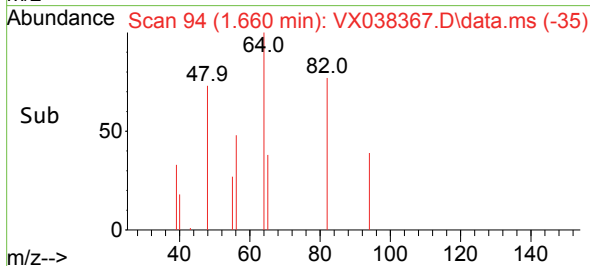
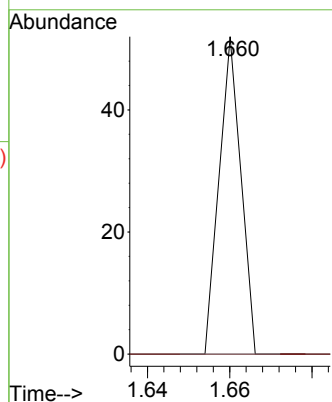
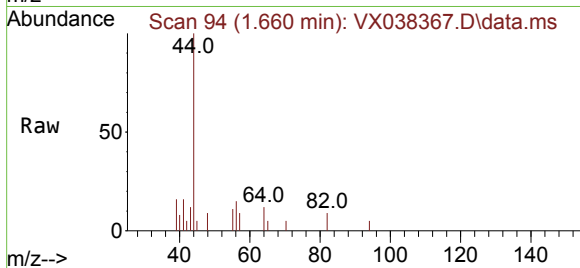
ClientSampleId :

Tgt Ion: 94 Resp: 19

Ion Ratio Lower Upper

94 100

96 0.0 74.6 111.8#



#6

Chloroethane

Concen: Below Cal

RT: 1.672 min Scan# 96

Delta R.T. -0.007 min

Lab File: VX038367.D

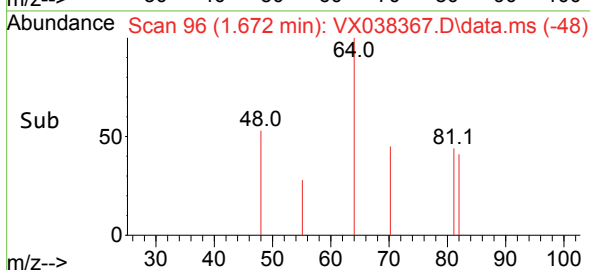
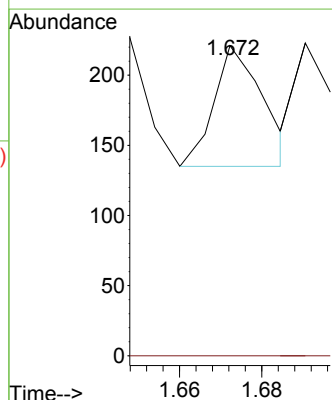
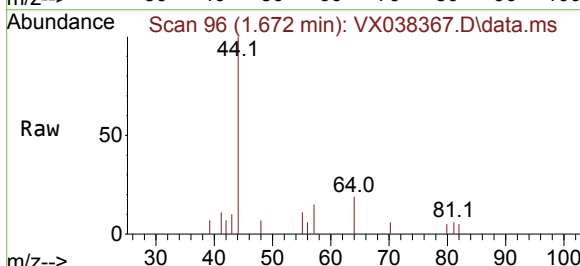
Acq: 18 Oct 2023 16:58

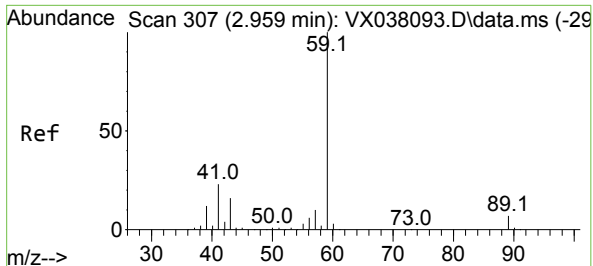
Tgt Ion: 64 Resp: 71

Ion Ratio Lower Upper

64 100

66 0.0 25.1 37.7#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 2.959 min Scan# 307

Delta R.T. -0.000 min

Lab File: VX038367.D

Acq: 18 Oct 2023 16:58

Instrument :

MSVOA_X

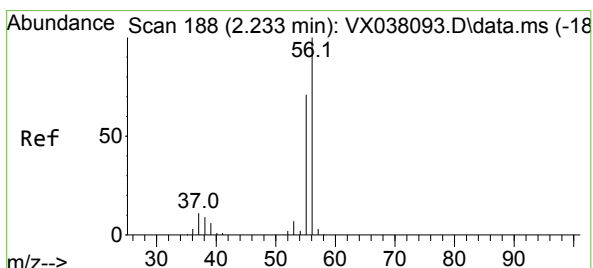
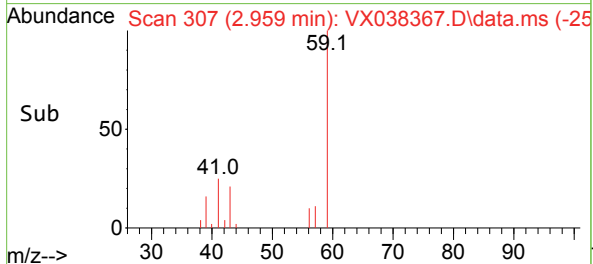
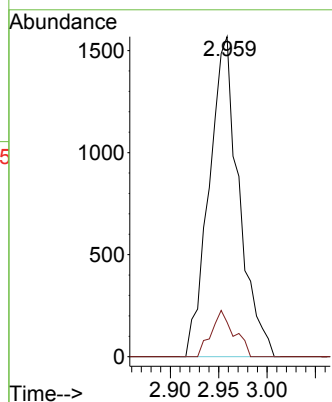
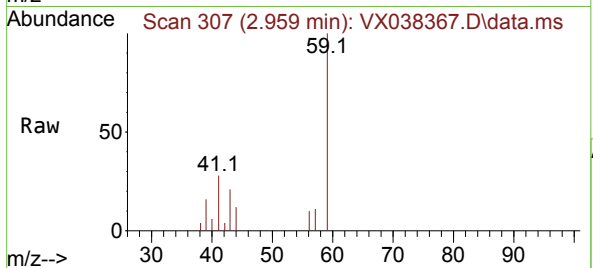
ClientSampleId :

Tgt Ion: 59 Resp: 3361

Ion Ratio Lower Upper

59 100

57 11.1 6.0 9.0#



#13

Acrolein

Concen: 0.312 ug/l

RT: 2.209 min Scan# 184

Delta R.T. -0.024 min

Lab File: VX038367.D

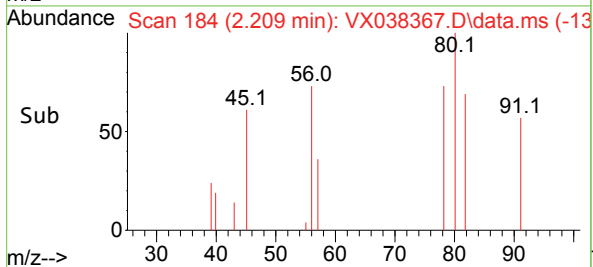
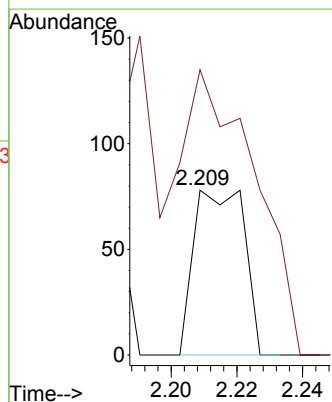
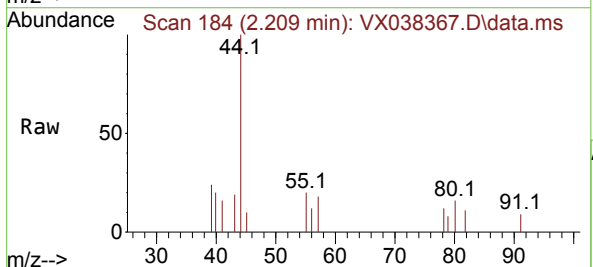
Acq: 18 Oct 2023 16:58

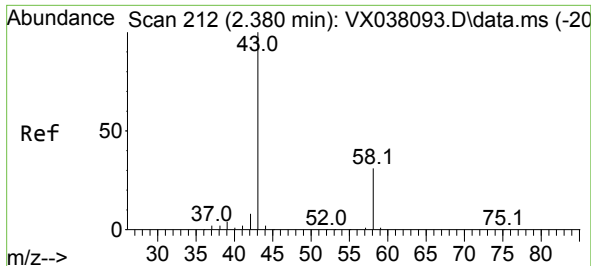
Tgt Ion: 56 Resp: 83

Ion Ratio Lower Upper

56 100

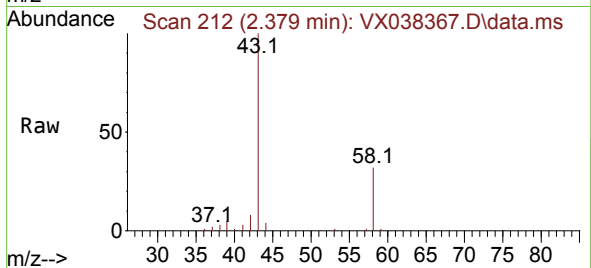
55 215.7 57.1 85.7#



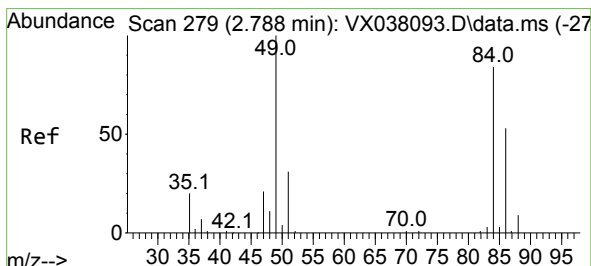
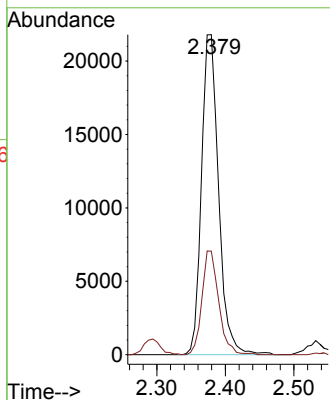
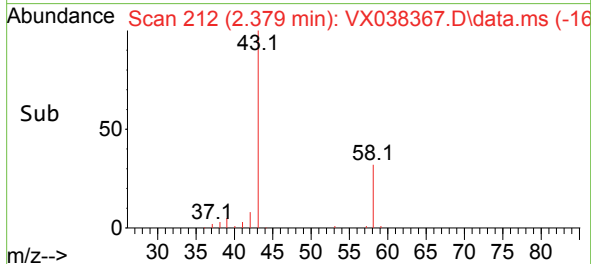


#16
Acetone
Concen: 48.465 ug/l
RT: 2.379 min Scan# 212
Delta R.T. -0.001 min
Lab File: VX038367.D
Acq: 18 Oct 2023 16:58

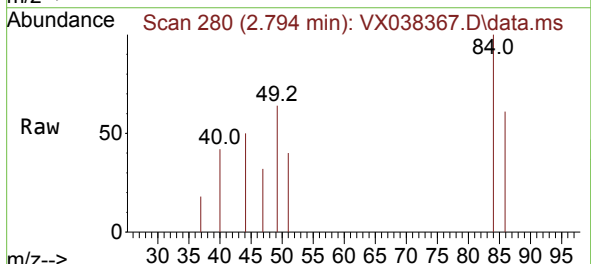
Instrument :
MSVOA_X
ClientSampleId :



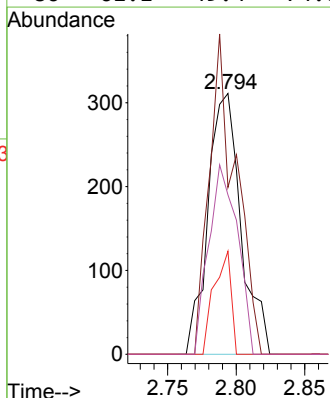
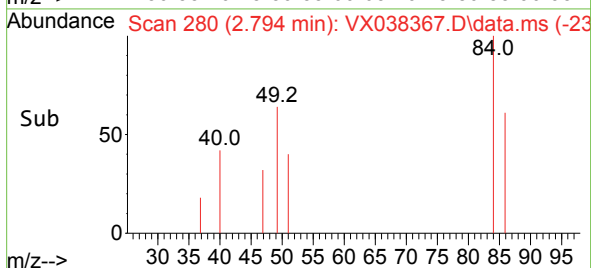
Tgt Ion: 43 Resp: 37883
Ion Ratio Lower Upper
43 100
58 32.3 21.9 32.9

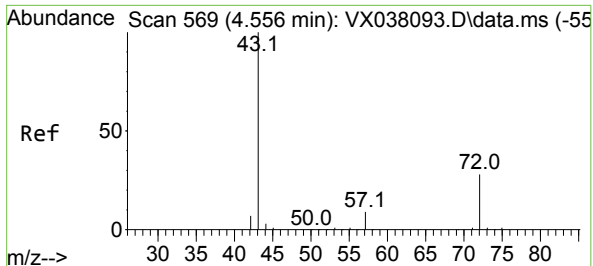


#20
Methylene Chloride
Concen: 0.355 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX038367.D
Acq: 18 Oct 2023 16:58



Tgt Ion: 84 Resp: 522
Ion Ratio Lower Upper
84 100
49 64.0 103.6 155.4#
51 39.5 33.8 50.6
86 61.1 49.4 74.0

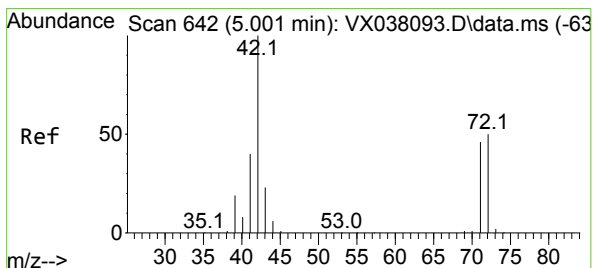
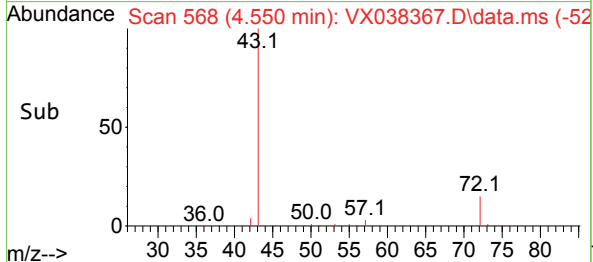
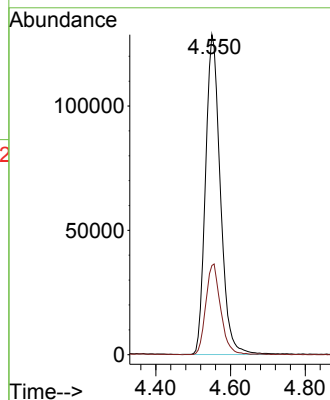
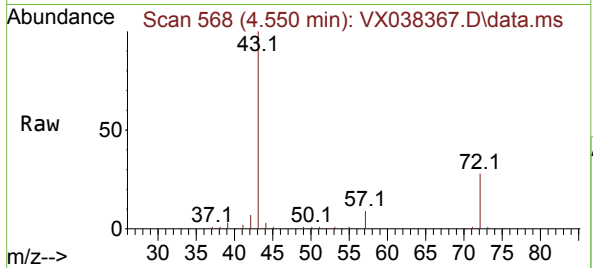




#25
2-Butanone
Concen: 280.817 ug/l
RT: 4.550 min Scan# 569
Delta R.T. -0.006 min
Lab File: VX038367.D
Acq: 18 Oct 2023 16:58

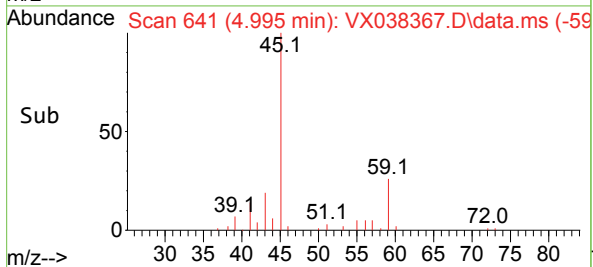
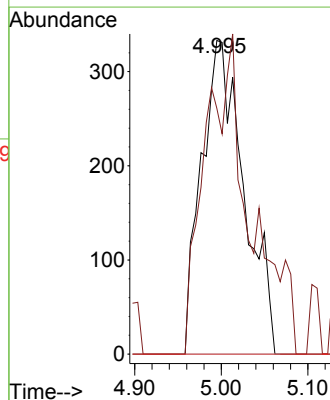
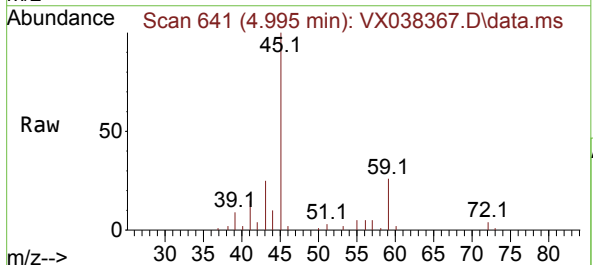
Instrument :
MSVOA_X
ClientSampleId :

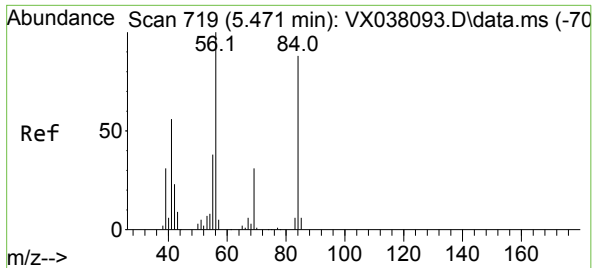
Tgt Ion: 43 Resp: 354162
Ion Ratio Lower Upper
43 100
72 27.8 19.4 29.2



#29
Tetrahydrofuran
Concen: 1.379 ug/l
RT: 4.995 min Scan# 641
Delta R.T. -0.006 min
Lab File: VX038367.D
Acq: 18 Oct 2023 16:58

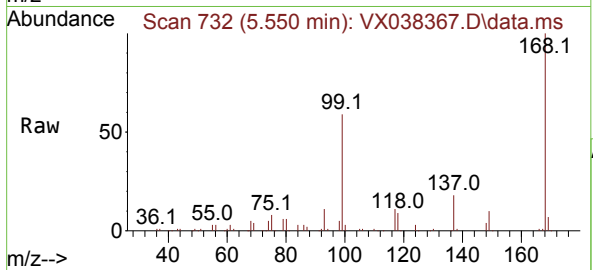
Tgt Ion: 42 Resp: 1132
Ion Ratio Lower Upper
42 100
72 46.9 34.2 51.4
71 0.0 32.2 48.2#



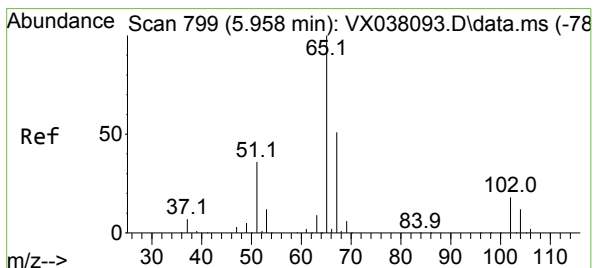
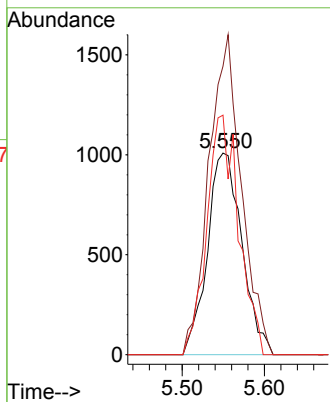
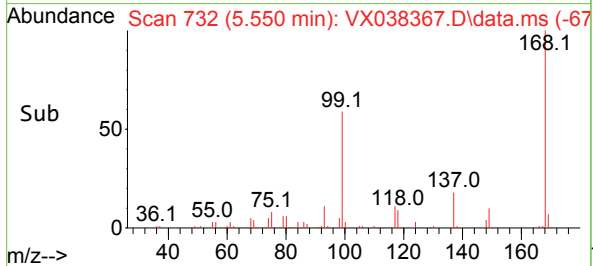


#31
Cyclohexane
Concen: 1.449 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.079 min
Lab File: VX038367.D
Acq: 18 Oct 2023 16:58

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ClientSampleId :

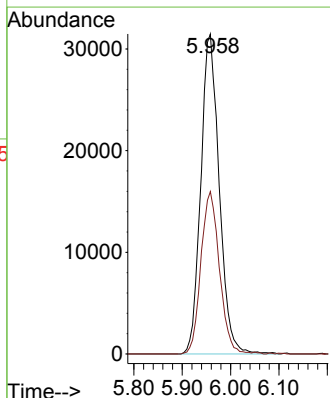
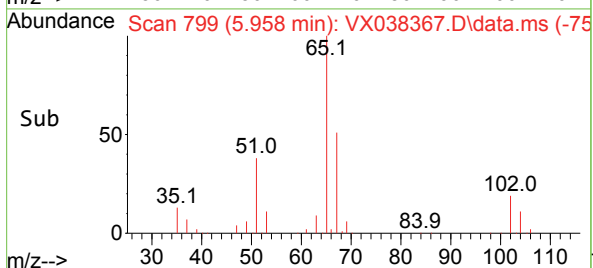
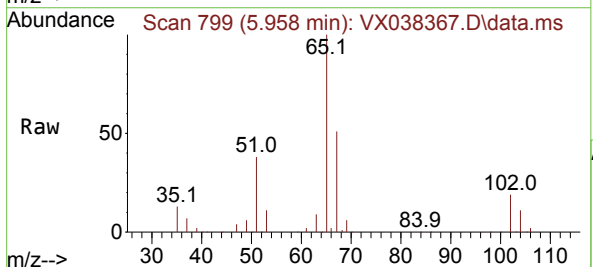


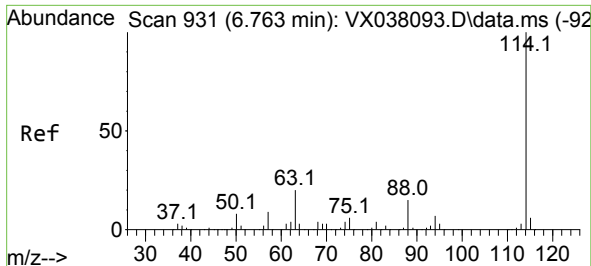
Tgt Ion: 56 Resp: 2940
Ion Ratio Lower Upper
56 100
69 143.0 23.4 35.2#
84 118.7 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 44.483 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX038367.D
Acq: 18 Oct 2023 16:58

Tgt Ion: 65 Resp: 83312
Ion Ratio Lower Upper
65 100
67 50.8 0.0 100.2

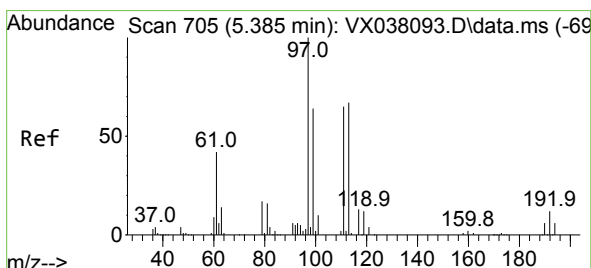
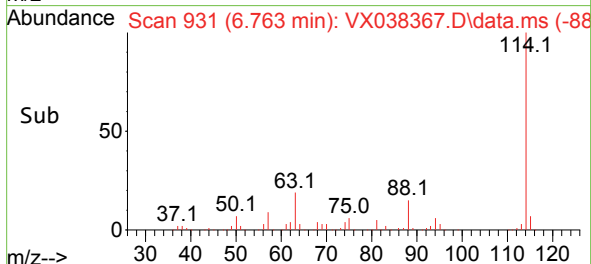
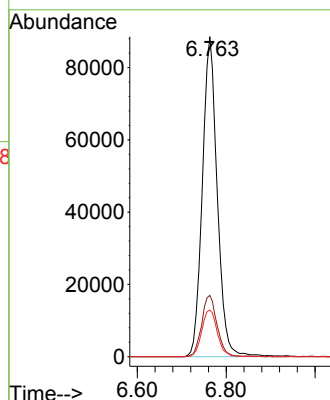
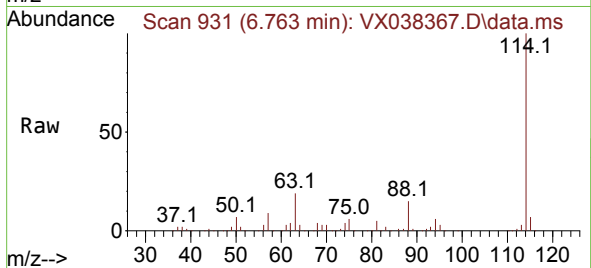




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX038367.D
Acq: 18 Oct 2023 16:58

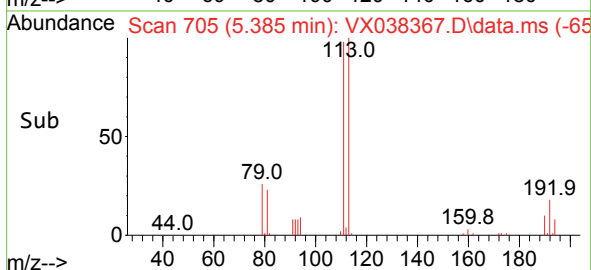
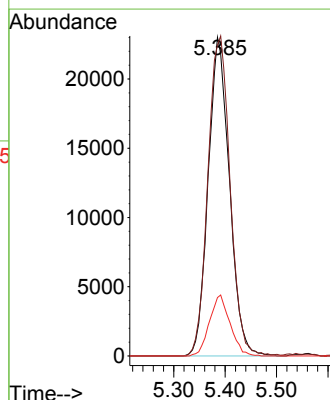
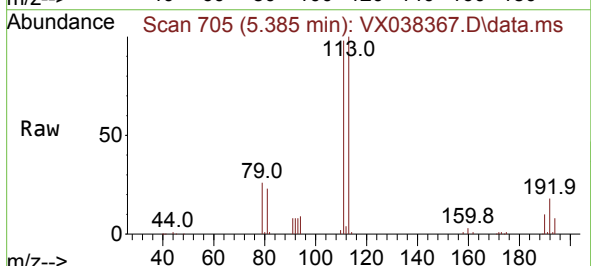
Instrument :
MSVOA_X
ClientSampleId :

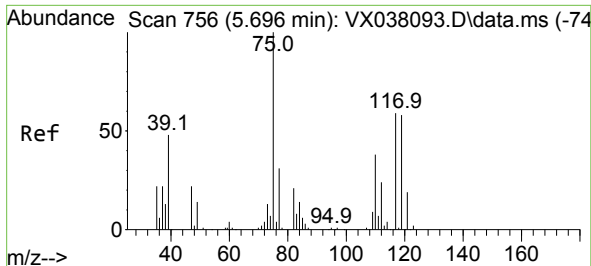
Tgt Ion:114 Resp: 206513
Ion Ratio Lower Upper
114 100
63 19.2 0.0 45.0
88 14.6 0.0 36.6



#35
Dibromofluoromethane
Concen: 44.349 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX038367.D
Acq: 18 Oct 2023 16:58

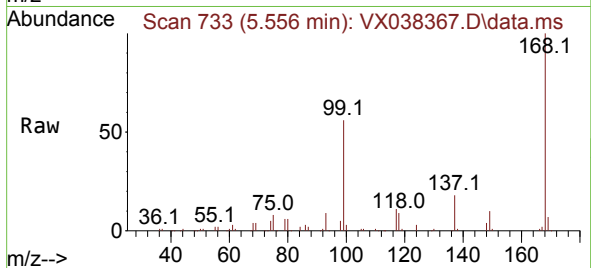
Tgt Ion:113 Resp: 65994
Ion Ratio Lower Upper
113 100
111 104.8 82.9 124.3
192 18.5 13.3 19.9



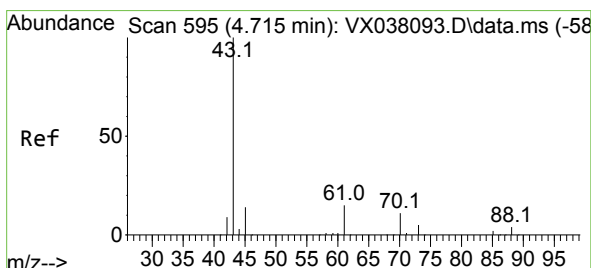
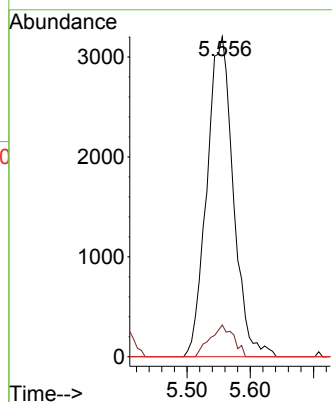
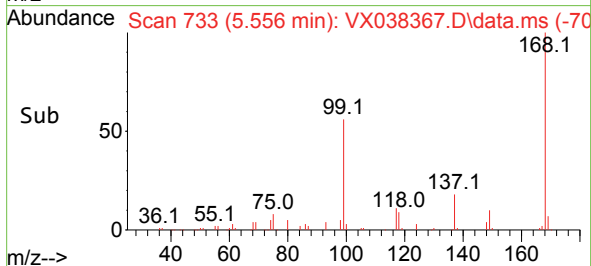


#36
1,1-Dichloropropene
Concen: 4.531 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX038367.D
Acq: 18 Oct 2023 16:58

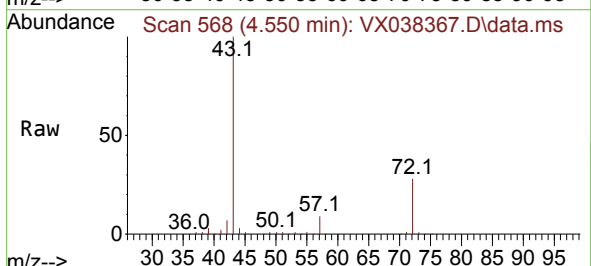
Instrument :
MSVOA_X
ClientSampleId :



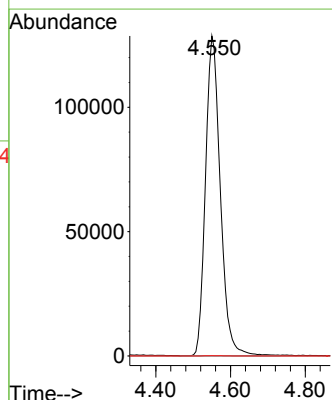
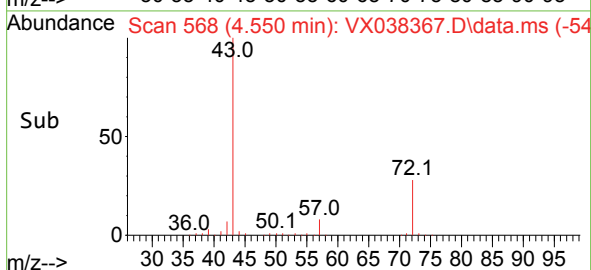
Tgt Ion: 75 Resp: 9297
Ion Ratio Lower Upper
75 100
110 8.8 17.0 50.9#
77 0.0 24.7 37.1#

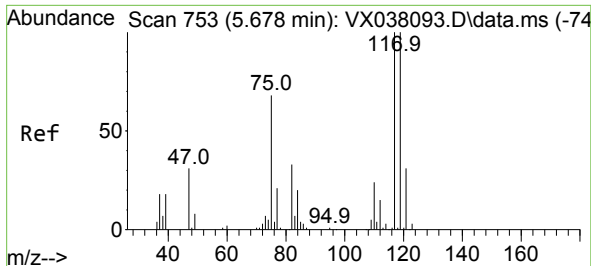


#37
Ethyl Acetate
Concen: 145.325 ug/l
RT: 4.550 min Scan# 568
Delta R.T. -0.165 min
Lab File: VX038367.D
Acq: 18 Oct 2023 16:58



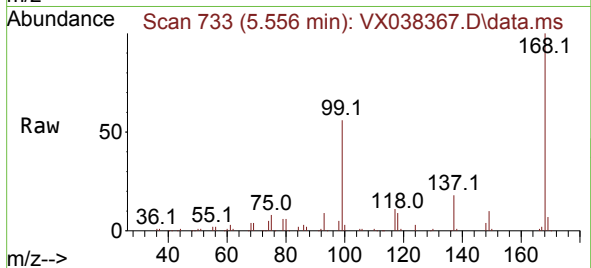
Tgt Ion: 43 Resp: 354162
Ion Ratio Lower Upper
43 100
61 0.0 10.6 16.0#
70 0.1 8.3 12.5#



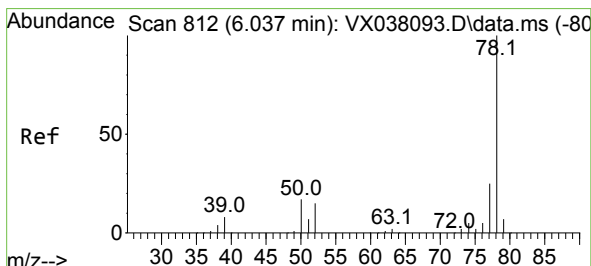
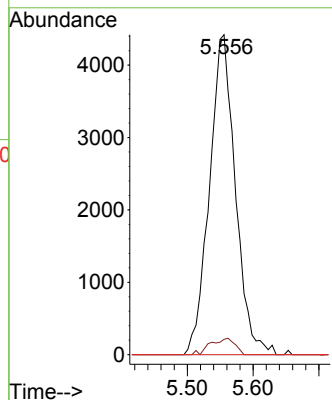
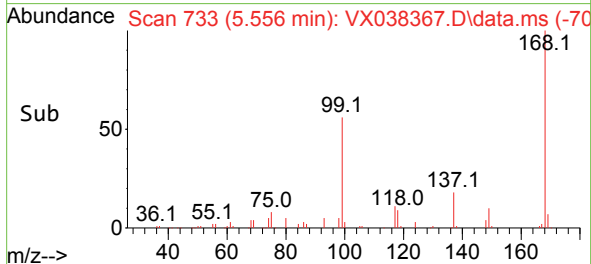


#38
Carbon Tetrachloride
Concen: 6.016 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX038367.D
Acq: 18 Oct 2023 16:58

Instrument :
MSVOA_X
ClientSampleId :

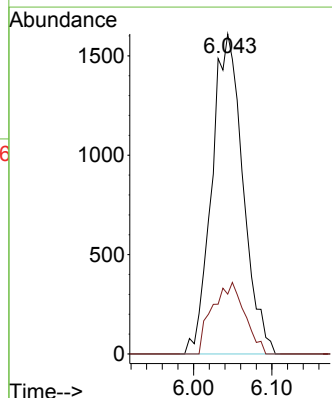
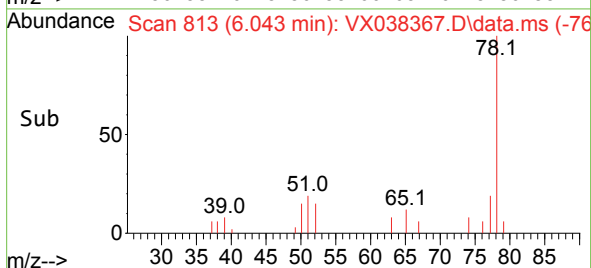
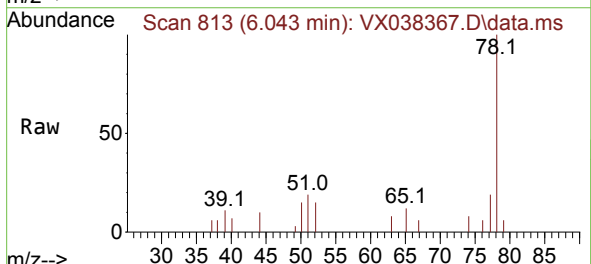


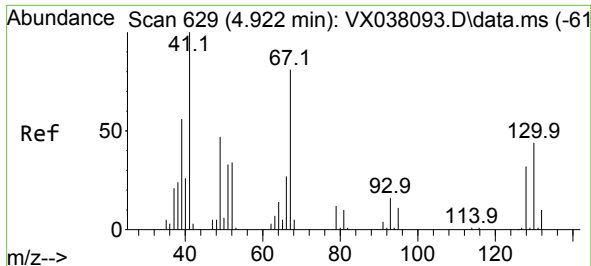
Tgt Ion:117 Resp: 12145
Ion Ratio Lower Upper
117 100
119 4.8 78.2 117.2#
121 0.0 24.4 36.6#



#40
Benzene
Concen: 0.776 ug/l
RT: 6.043 min Scan# 813
Delta R.T. 0.005 min
Lab File: VX038367.D
Acq: 18 Oct 2023 16:58

Tgt Ion: 78 Resp: 4453
Ion Ratio Lower Upper
78 100
77 18.7 19.3 28.9#

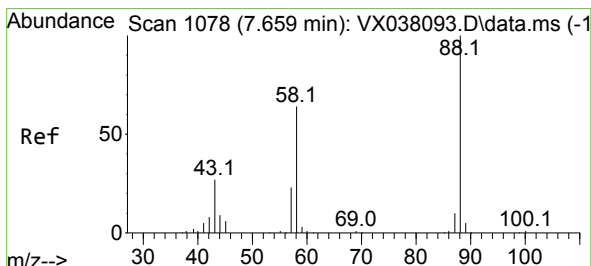
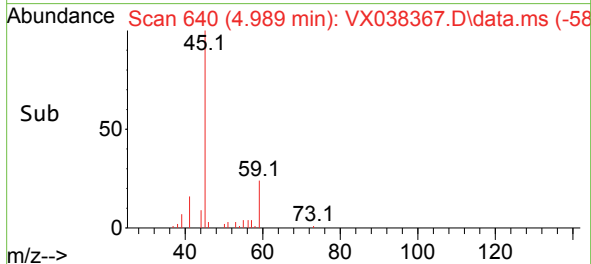
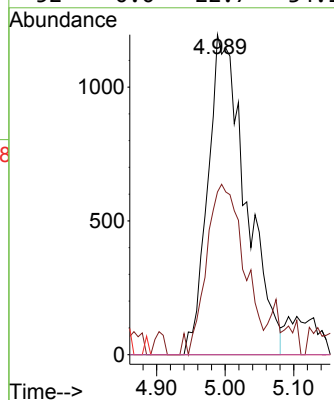
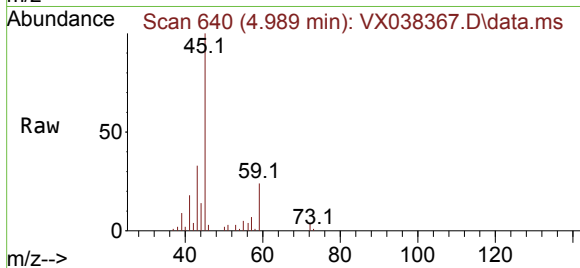




#41
Methacrylonitrile
Concen: 3.809 ug/l
RT: 4.989 min Scan# 641
Delta R.T. 0.067 min
Lab File: VX038367.D
Acq: 18 Oct 2023 16:58

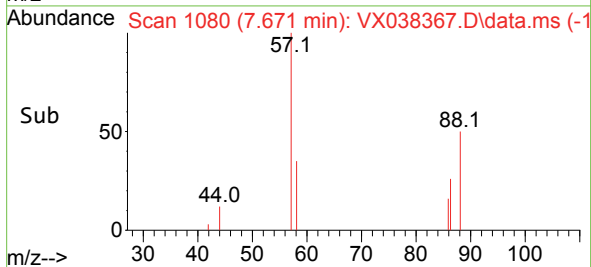
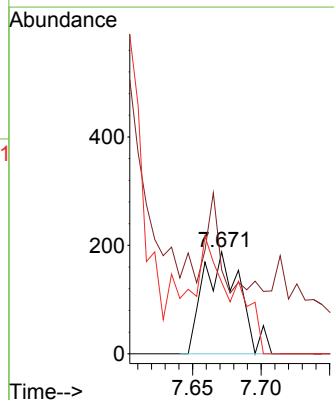
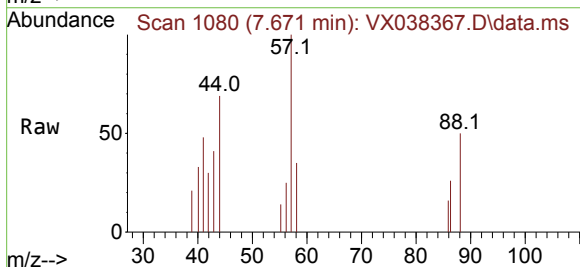
Instrument :
MSVOA_X
ClientSampleId :

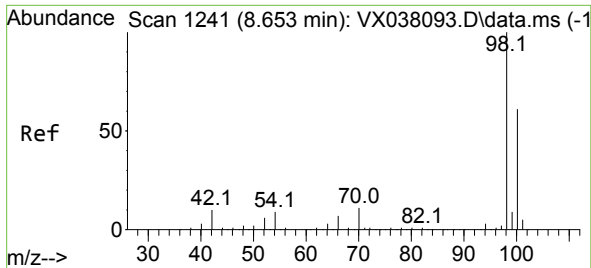
Tgt Ion:	41	Resp:	4618
Ion	Ratio	Lower	Upper
41	100		
39	52.4	45.2	67.8
67	0.0	52.6	78.8#
52	0.0	22.7	34.1#



#49
1,4-Dioxane
Concen: 8.178 ug/l
RT: 7.671 min Scan# 1080
Delta R.T. 0.012 min
Lab File: VX038367.D
Acq: 18 Oct 2023 16:58

Tgt Ion:	88	Resp:	350
Ion	Ratio	Lower	Upper
88	100		
43	34.9	0.0	0.0#
58	97.1	60.1	90.1#

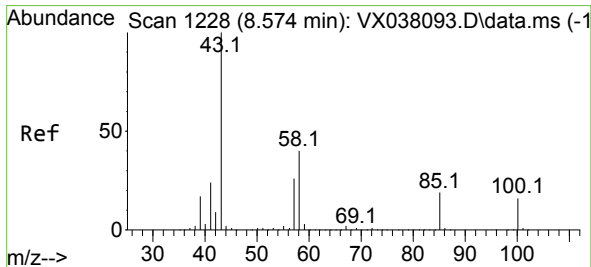
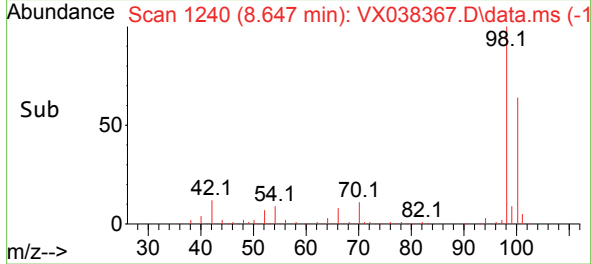
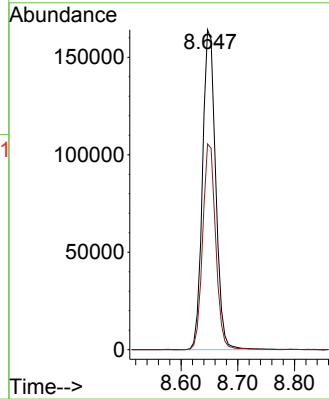
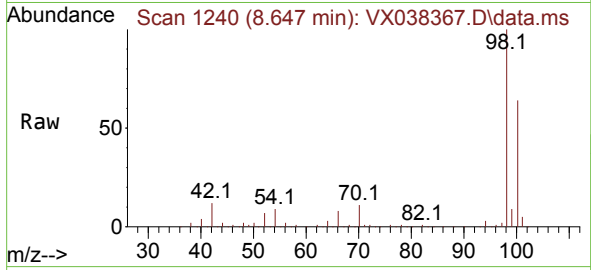




#50
Toluene-d8
Concen: 46.448 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX038367.D
Acq: 18 Oct 2023 16:58

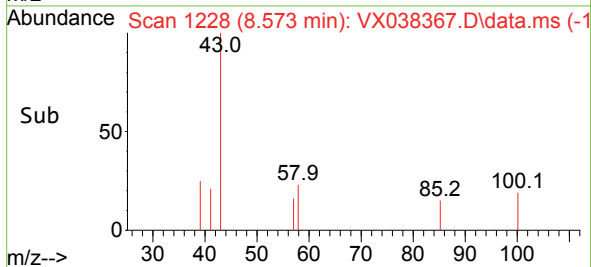
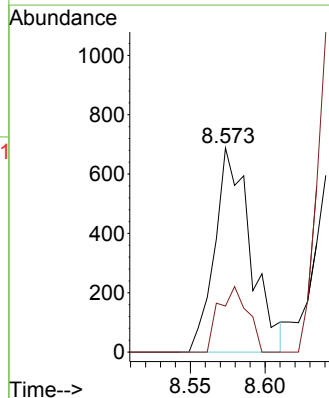
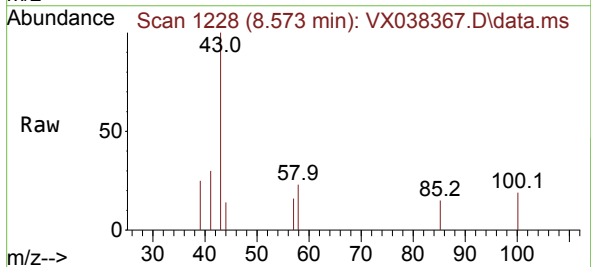
Instrument :
MSVOA_X
ClientSampleId :

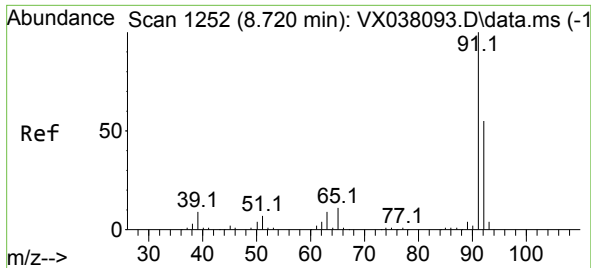
Tgt Ion: 98 Resp: 264114
Ion Ratio Lower Upper
98 100
100 63.7 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 0.458 ug/l
RT: 8.573 min Scan# 1228
Delta R.T. -0.001 min
Lab File: VX038367.D
Acq: 18 Oct 2023 16:58

Tgt Ion: 43 Resp: 1150
Ion Ratio Lower Upper
43 100
58 25.7 30.4 45.6#

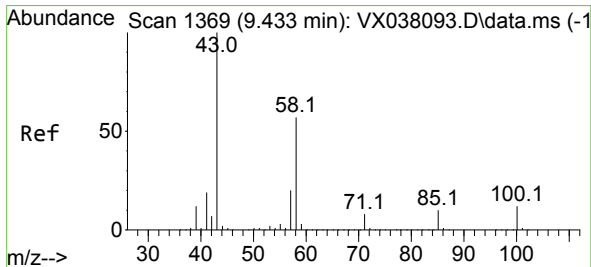
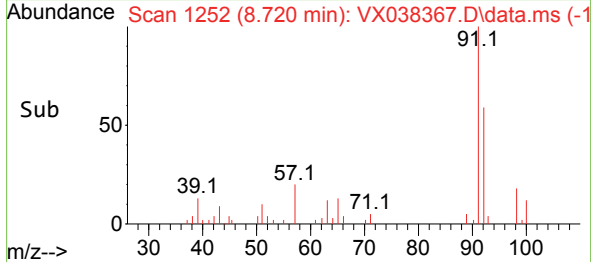
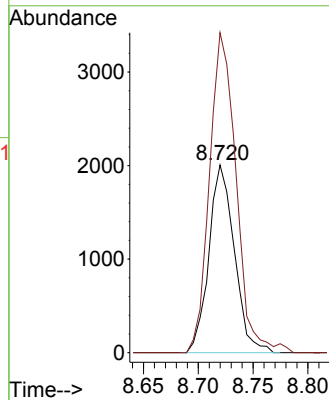
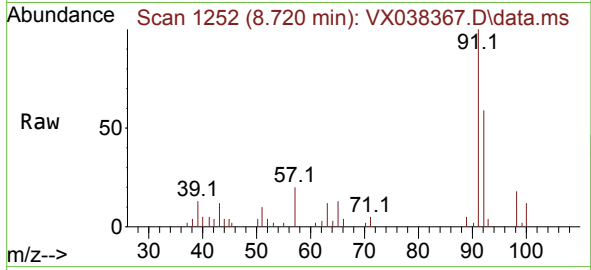




#52
Toluene
Concen: 0.867 ug/l
RT: 8.720 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX038367.D
Acq: 18 Oct 2023 16:58

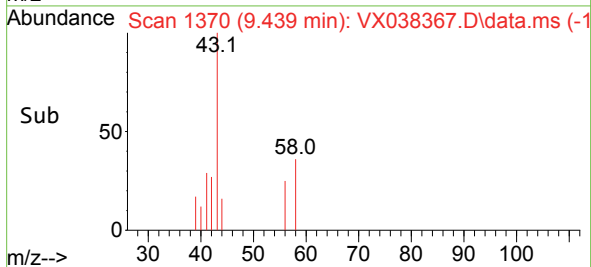
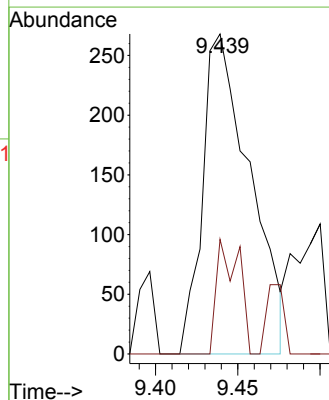
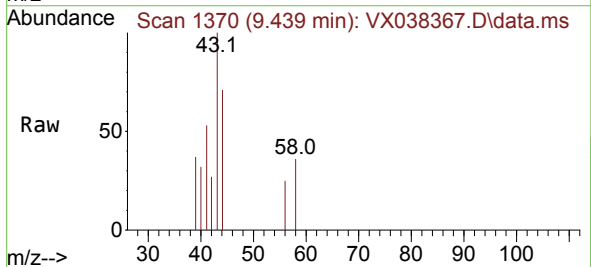
Instrument :
MSVOA_X
ClientSampleId :

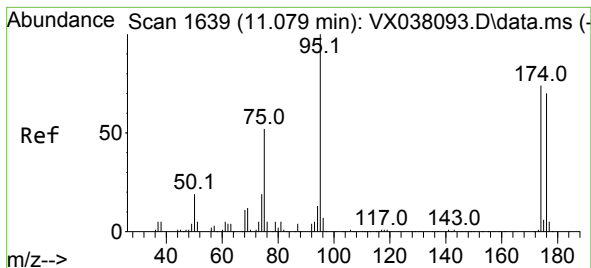
Tgt Ion: 92 Resp: 3242
Ion Ratio Lower Upper
92 100
91 178.2 134.2 201.2



#59
2-Hexanone
Concen: 0.266 ug/l
RT: 9.439 min Scan# 1370
Delta R.T. 0.006 min
Lab File: VX038367.D
Acq: 18 Oct 2023 16:58

Tgt Ion: 43 Resp: 537
Ion Ratio Lower Upper
43 100
58 16.8 26.2 78.5#

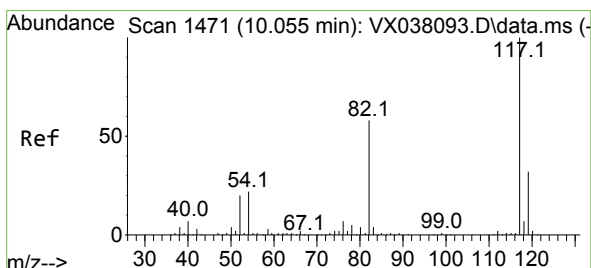
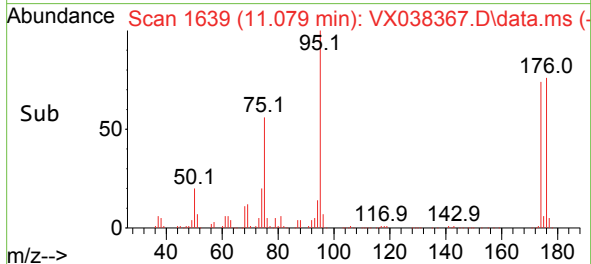
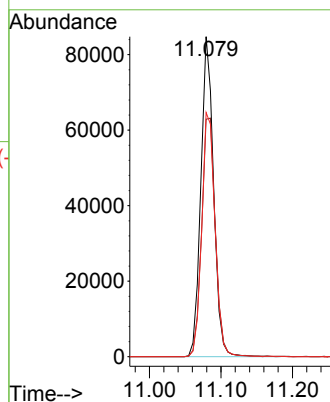
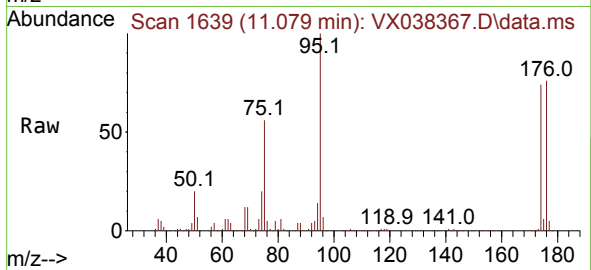




#62
4-Bromofluorobenzene
Concen: 48.587 ug/l
RT: 11.079 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX038367.D
Acq: 18 Oct 2023 16:58

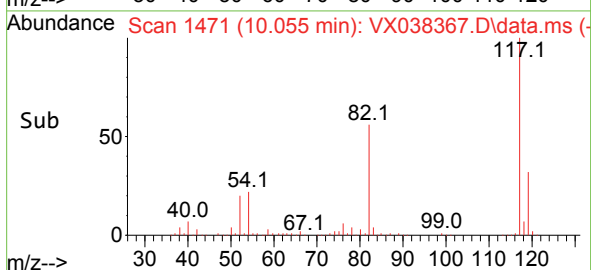
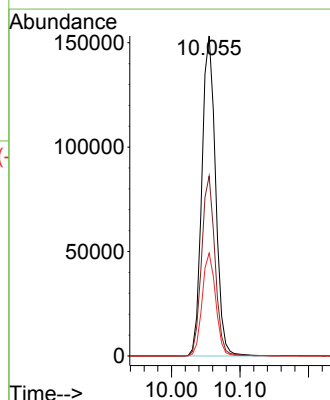
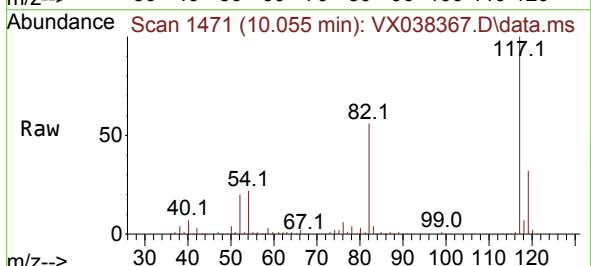
Instrument :
MSVOA_X
ClientSampleId :

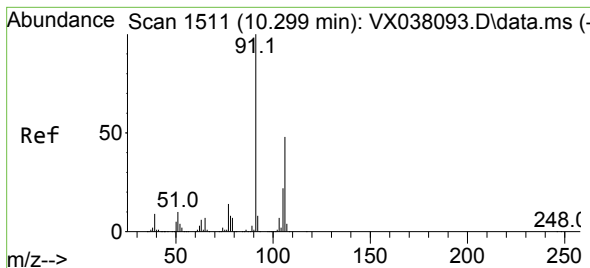
Tgt Ion: 95 Resp: 104740
Ion Ratio Lower Upper
95 100
174 80.5 0.0 135.6
176 79.7 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX038367.D
Acq: 18 Oct 2023 16:58

Tgt Ion: 117 Resp: 213849
Ion Ratio Lower Upper
117 100
82 56.3 46.2 69.4
119 32.2 25.5 38.3

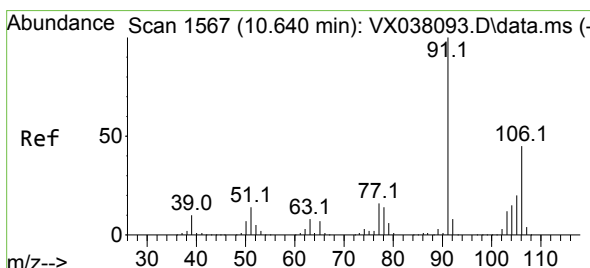
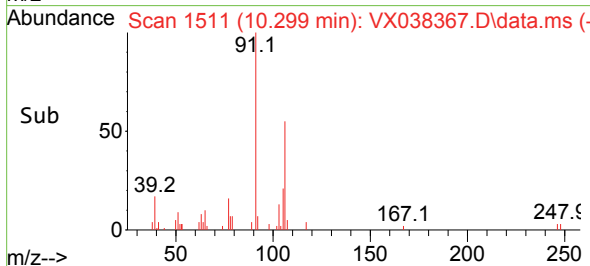
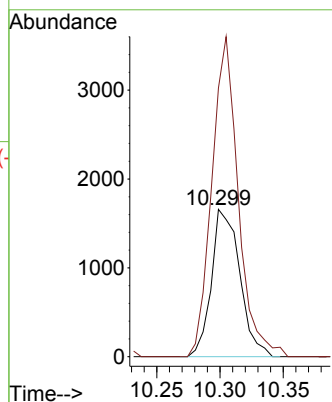
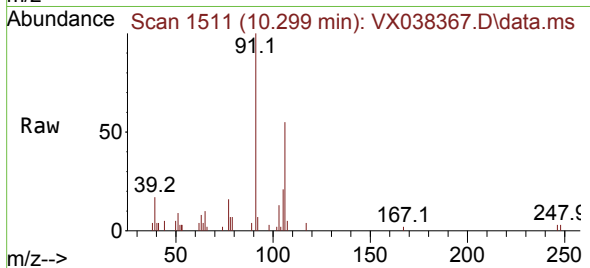




#68
m/p-Xylenes
Concen: 0.835 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.006 min
Lab File: VX038367.D
Acq: 18 Oct 2023 16:58

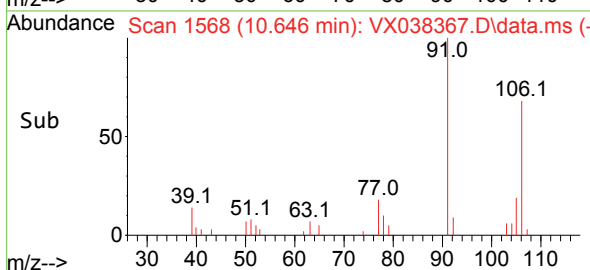
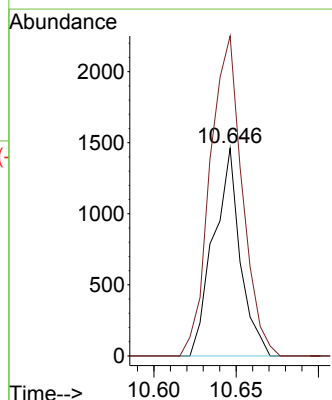
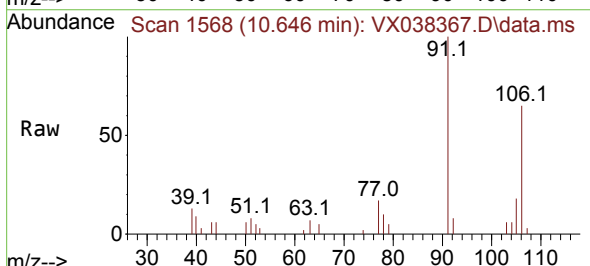
Instrument :
MSVOA_X
ClientSampleId :

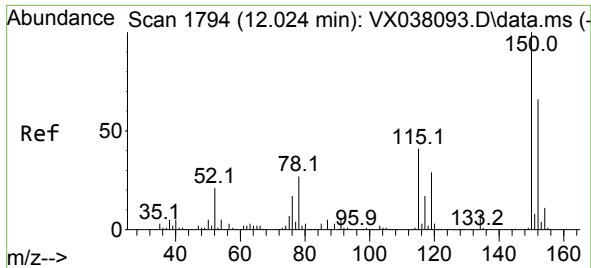
Tgt Ion:106 Resp: 2580
Ion Ratio Lower Upper
106 100
91 202.7 165.5 248.3



#69
o-Xylene
Concen: 0.547 ug/l
RT: 10.646 min Scan# 1568
Delta R.T. 0.006 min
Lab File: VX038367.D
Acq: 18 Oct 2023 16:58

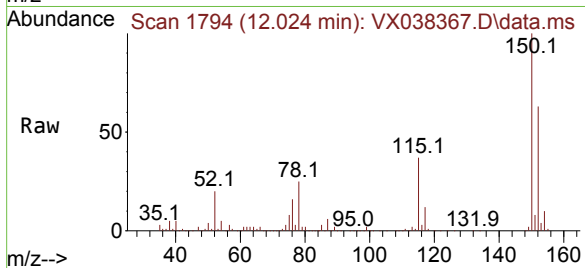
Tgt Ion:106 Resp: 1649
Ion Ratio Lower Upper
106 100
91 185.6 108.9 326.8



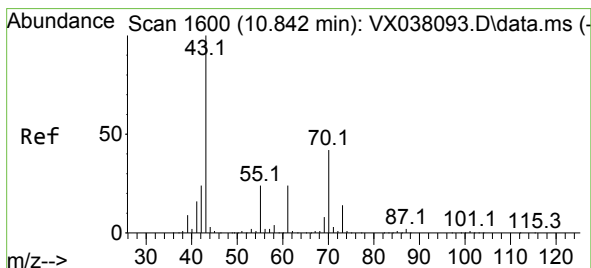
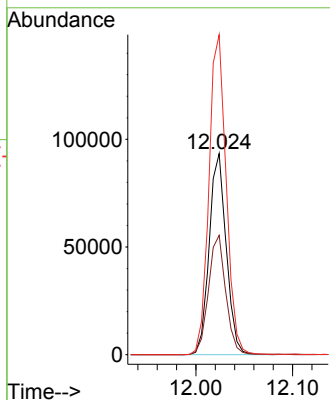
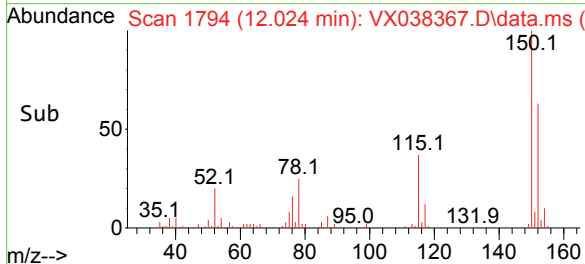


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX038367.D
Acq: 18 Oct 2023 16:58

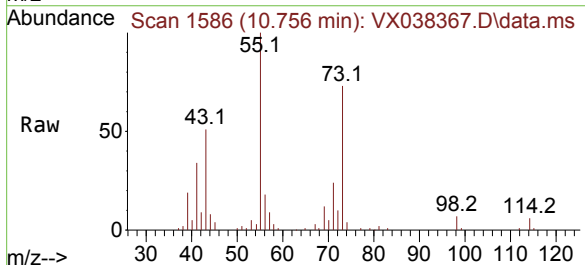
Instrument :
MSVOA_X
ClientSampleId :



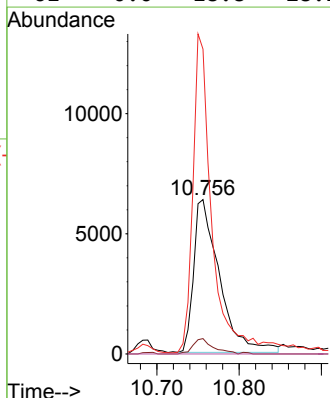
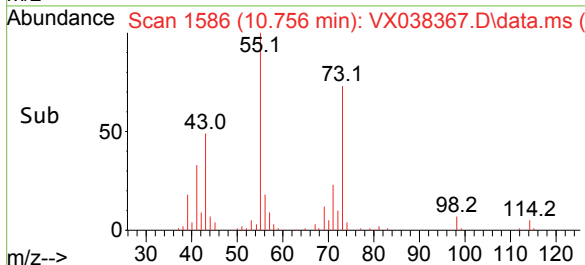
Tgt Ion:152 Resp: 114800
Ion Ratio Lower Upper
152 100
115 60.2 43.3 129.9
150 160.6 0.0 345.0

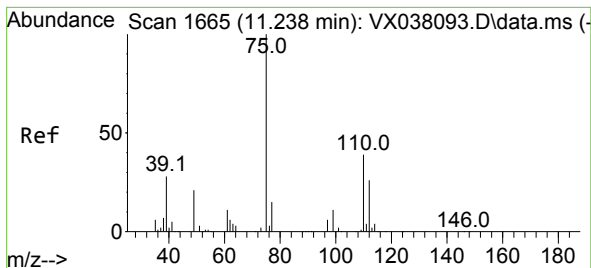


#74
N-ethyl acetate
Concen: 4.236 ug/l
RT: 10.756 min Scan# 1586
Delta R.T. -0.086 min
Lab File: VX038367.D
Acq: 18 Oct 2023 16:58



Tgt Ion: 43 Resp: 13927
Ion Ratio Lower Upper
43 100
70 7.8 32.9 49.3#
55 159.3 19.3 28.9#
61 0.0 18.8 28.2#





#76

1,2,3-Trichloropropane

Concen: 22.088 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX038367.D

Acq: 18 Oct 2023 16:58

Instrument :

MSVOA_X

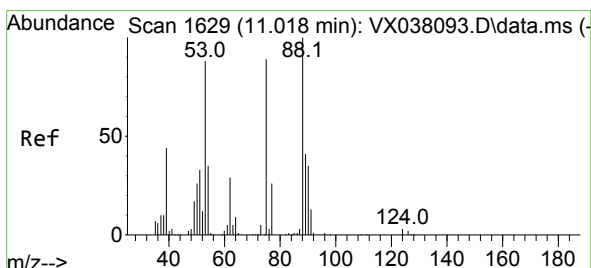
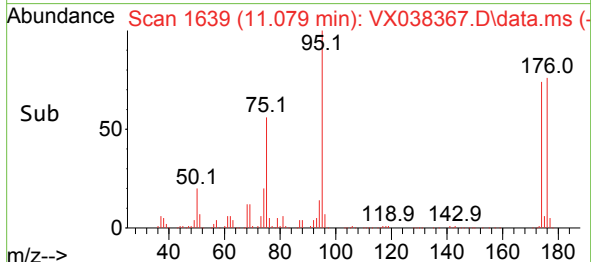
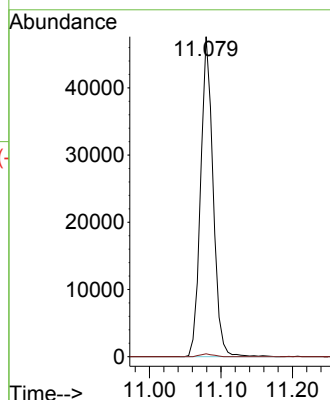
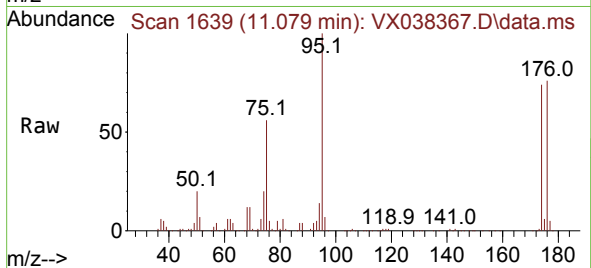
ClientSampleId :

Tgt Ion: 75 Resp: 57647

Ion Ratio Lower Upper

75 100

77 0.9 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 63.327 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX038367.D

Acq: 18 Oct 2023 16:58

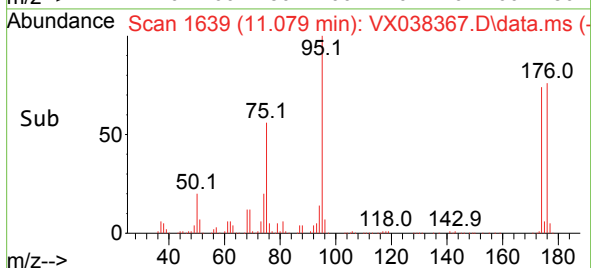
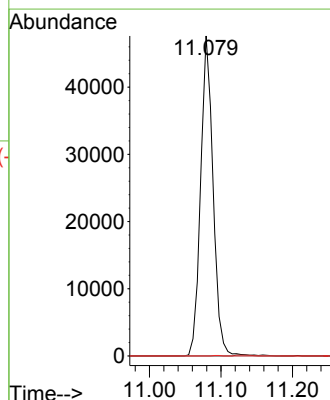
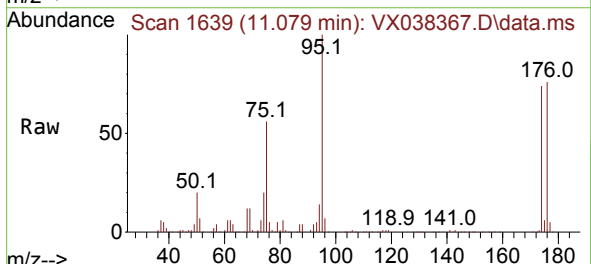
Tgt Ion: 75 Resp: 57647

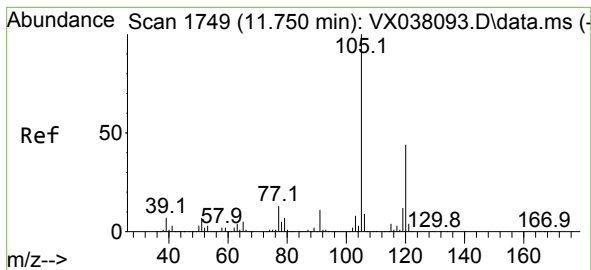
Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

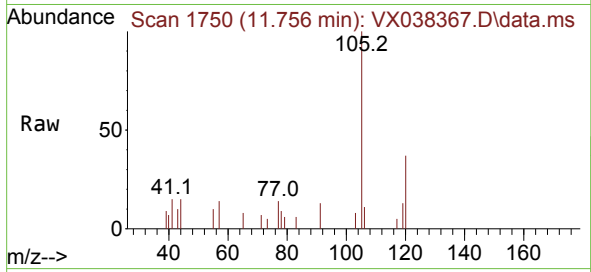
89 0.1 36.9 55.3#





#84
1,2,4-Trimethylbenzene
Concen: 0.230 ug/l
RT: 11.756 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX038367.D
Acq: 18 Oct 2023 16:58

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion:105 Resp: 1521
Ion Ratio Lower Upper
105 100
120 46.2 21.2 63.6

