

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101823\
 Data File : VX038366.D
 Acq On : 18 Oct 2023 16:35
 Operator : JC/MD
 Sample : 04936-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

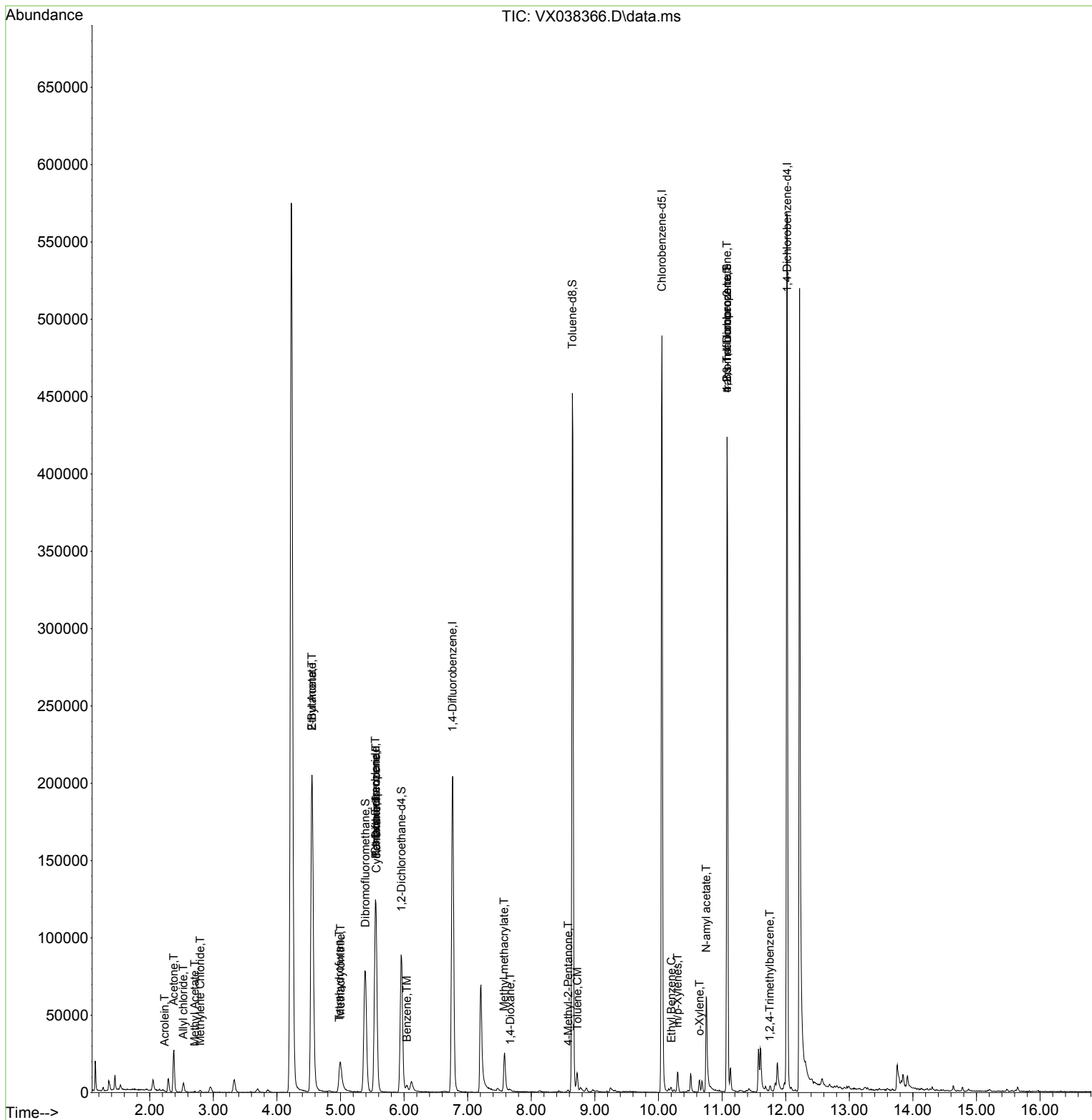
Quant Time: Oct 19 01:42:30 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100523W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 05 15:27:13 2023
 Response via : Initial Calibration

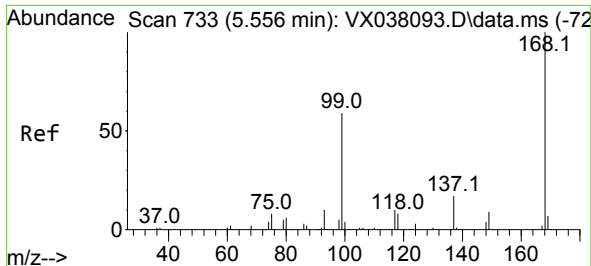
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.556	168	118605	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	212133	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	221838	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	118970	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	84293	44.186	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	88.380%		
35) Dibromofluoromethane	5.391	113	68612	44.887	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	89.780%		
50) Toluene-d8	8.647	98	268833	46.025	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	92.060%		
62) 4-Bromofluorobenzene	11.079	95	105297	47.552	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	95.100%		
Target Compounds						
						Qvalue
5) Bromomethane	1.611	94	61	Below Cal	#	3
6) Chloroethane	1.666	64	147	Below Cal	#	43
11) Tert butyl alcohol	2.947	59	3458	Below Cal	#	88
13) Acrolein	2.233	56	647	2.386	ug/l	95
14) Allyl chloride	2.526	41	501	0.258	ug/l	# 18
16) Acetone	2.380	43	28189	35.406	ug/l	93
18) Methyl Acetate	2.709	43	751	0.220	ug/l	# 76
20) Methylene Chloride	2.794	84	612	0.409	ug/l	# 89
25) 2-Butanone	4.550	43	351298	273.468	ug/l	91
29) Tetrahydrofuran	4.983	42	510	0.610	ug/l	# 34
31) Cyclohexane	5.562	56	3081	1.491	ug/l	# 25
36) 1,1-Dichloropropene	5.556	75	9596	4.553	ug/l	# 46
37) Ethyl Acetate	4.550	43	351298	140.331	ug/l	# 69
38) Carbon Tetrachloride	5.550	117	12127	5.848	ug/l	# 14
40) Benzene	6.044	78	5069	0.860	ug/l	91
41) Methacrylonitrile	5.001	41	5629	4.520	ug/l	# 44
48) Methyl methacrylate	7.574	41	7606	4.263	ug/l	# 50
49) 1,4-Dioxane	7.671	88	329	7.484	ug/l	# 52
51) 4-Methyl-2-Pentanone	8.580	43	1123	0.436	ug/l	88
52) Toluene	8.726	92	3986	1.038	ug/l	99
67) Ethyl Benzene	10.201	91	1810	0.218	ug/l	# 88
68) m/p-Xylenes	10.299	106	2891	0.902	ug/l	95
69) o-Xylene	10.646	106	1771	0.566	ug/l	98
74) N-amyl acetate	10.750	43	14853	4.359	ug/l	# 1
76) 1,2,3-Trichloropropane	11.079	75	57536	21.273	ug/l	# 39
81) trans-1,4-Dichloro-2-b...	11.079	75	57536	61.139	ug/l	# 5
84) 1,2,4-Trimethylbenzene	11.750	105	1925	0.280	ug/l	91

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

Quant Time: Oct 19 01:42:30 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





#1
Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.556 min Scan# 71

Delta R.T. -0.000 min

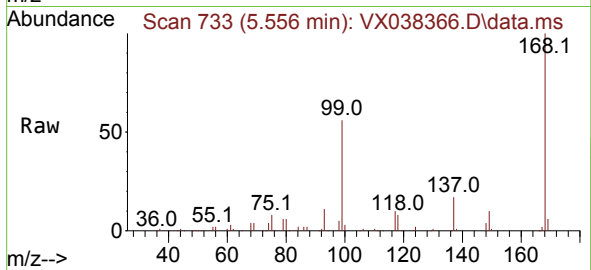
Lab File: VX038366.D

Acq: 18 Oct 2023 16:35

Instrument :

MSVOA_X

ClientSampleId :

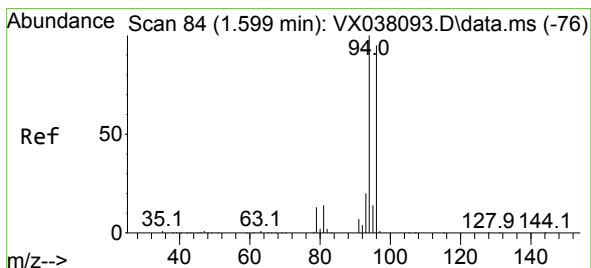
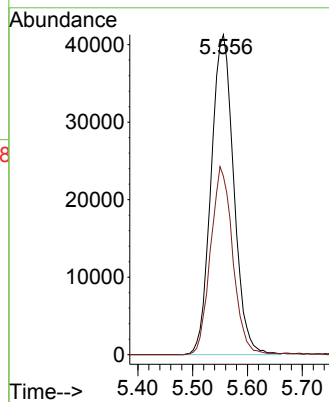
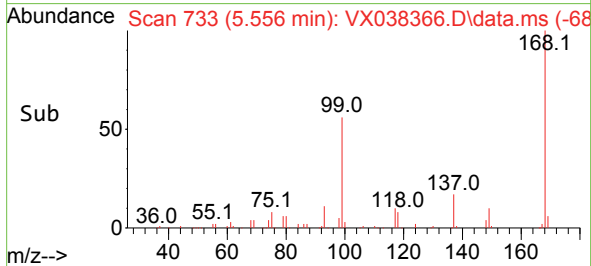


Tgt Ion:168 Resp: 118605

Ion Ratio Lower Upper

168 100

99 55.8 56.6 85.0#



#5

Bromomethane

Concen: Below Cal

RT: 1.611 min Scan# 86

Delta R.T. 0.012 min

Lab File: VX038366.D

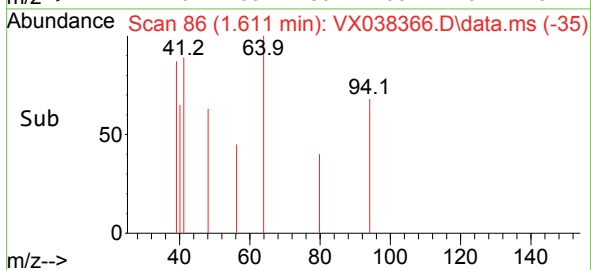
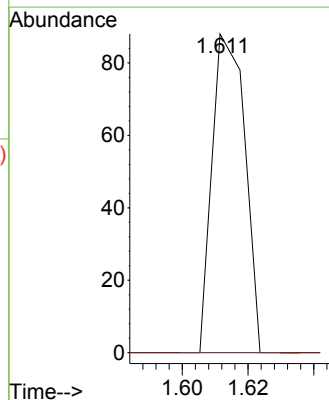
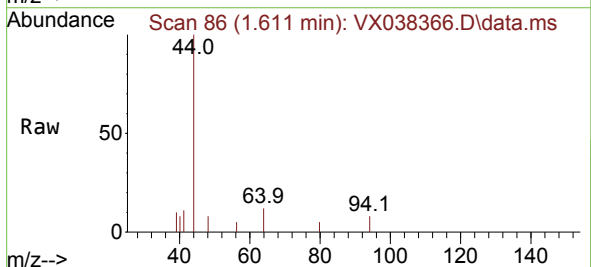
Acq: 18 Oct 2023 16:35

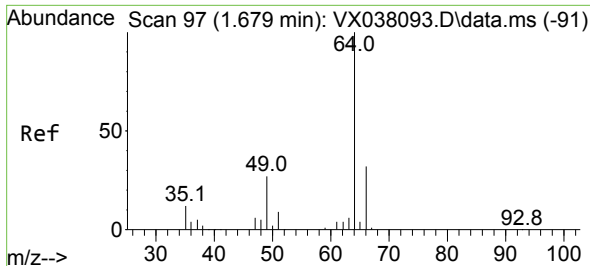
Tgt Ion: 94 Resp: 61

Ion Ratio Lower Upper

94 100

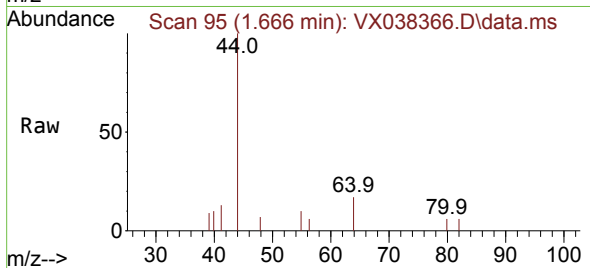
96 0.0 74.6 111.8#



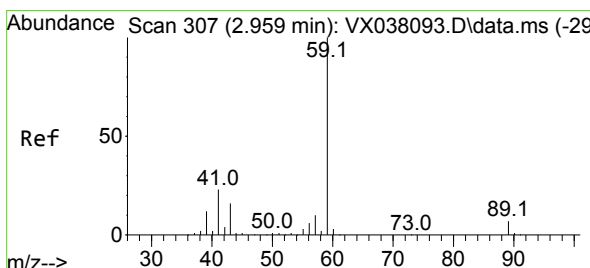
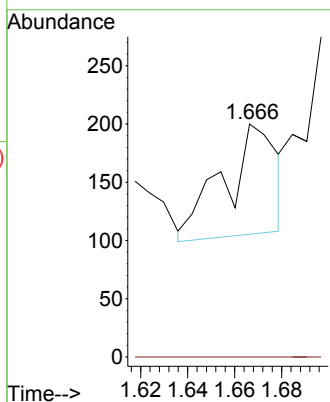
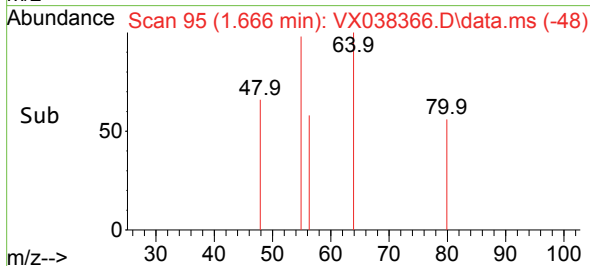


#6
Chloroethane
Concen: Below Cal
RT: 1.666 min Scan# 91
Delta R.T. -0.013 min
Lab File: VX038366.D
Acq: 18 Oct 2023 16:35

Instrument :
MSVOA_X
ClientSampleId :

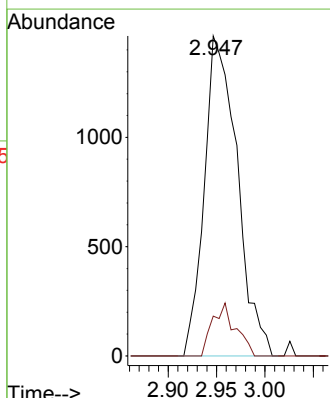
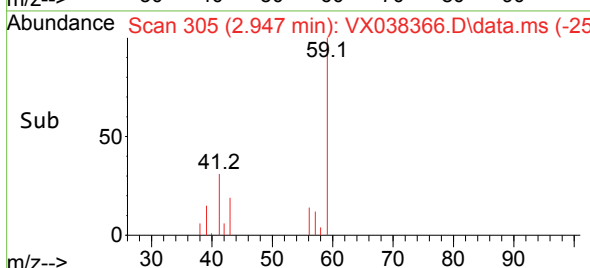
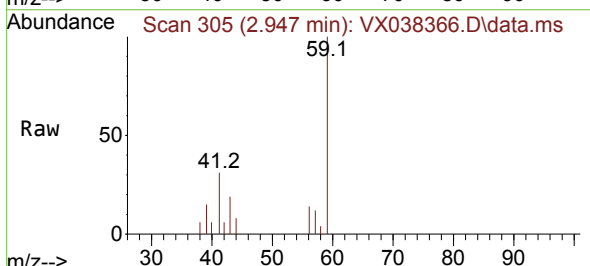


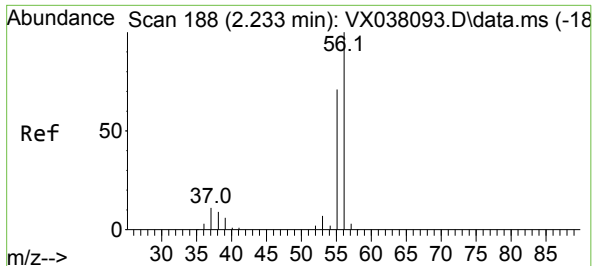
Tgt Ion: 64 Resp: 147
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.947 min Scan# 305
Delta R.T. -0.012 min
Lab File: VX038366.D
Acq: 18 Oct 2023 16:35

Tgt Ion: 59 Resp: 3458
Ion Ratio Lower Upper
59 100
57 11.6 6.0 9.0#





#13

Acrolein

Concen: 2.386 ug/l

RT: 2.233 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX038366.D

Acq: 18 Oct 2023 16:35

Instrument :

MSVOA_X

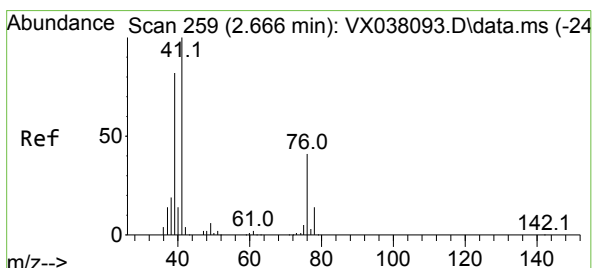
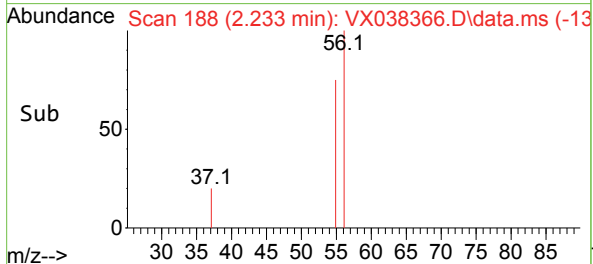
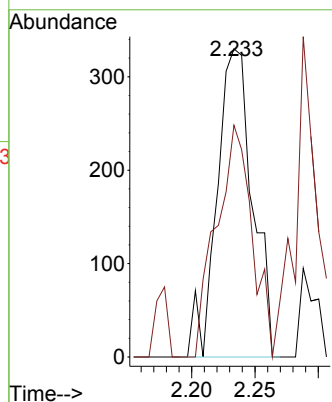
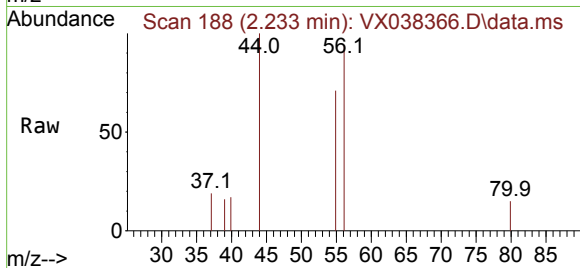
ClientSampleId :

Tgt Ion: 56 Resp: 647

Ion Ratio Lower Upper

56 100

55 75.4 57.1 85.7



#14

Allyl chloride

Concen: 0.258 ug/l

RT: 2.526 min Scan# 236

Delta R.T. -0.134 min

Lab File: VX038366.D

Acq: 18 Oct 2023 16:35

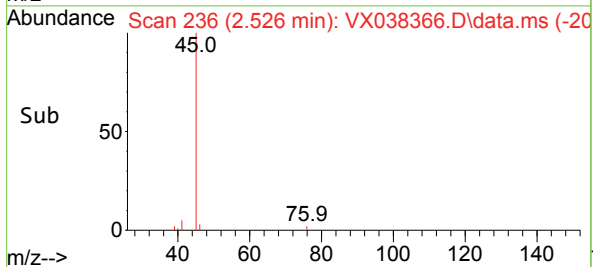
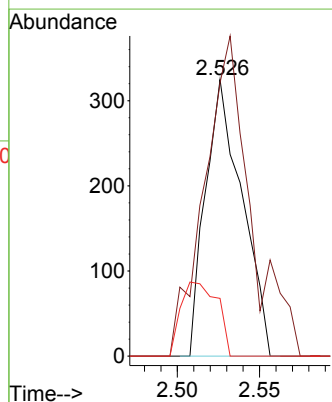
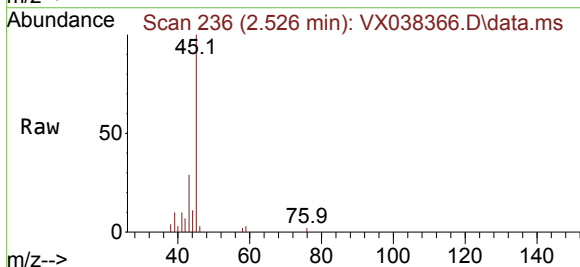
Tgt Ion: 41 Resp: 501

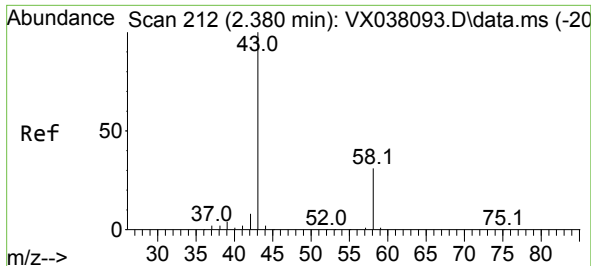
Ion Ratio Lower Upper

41 100

39 145.7 55.8 83.6#

76 0.0 24.3 36.5#

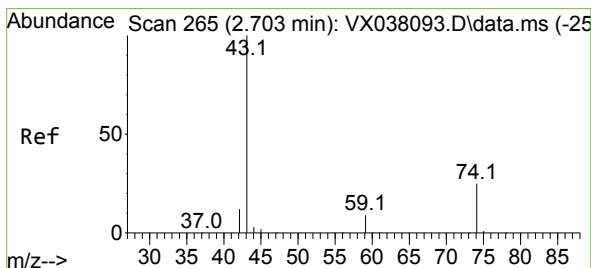
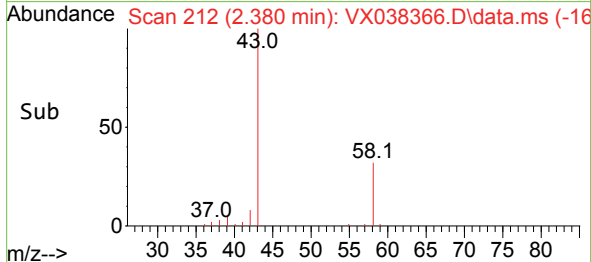
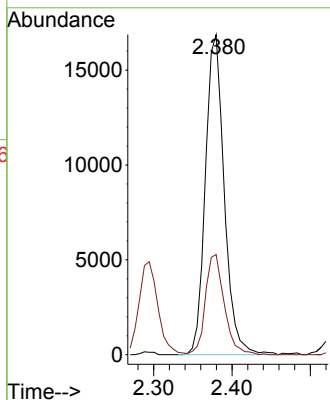
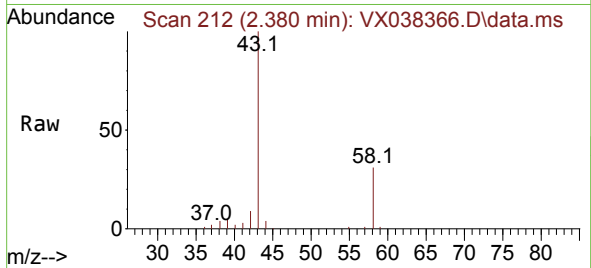




#16
Acetone
Concen: 35.406 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX038366.D
Acq: 18 Oct 2023 16:35

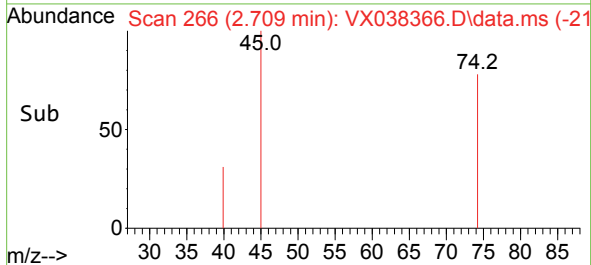
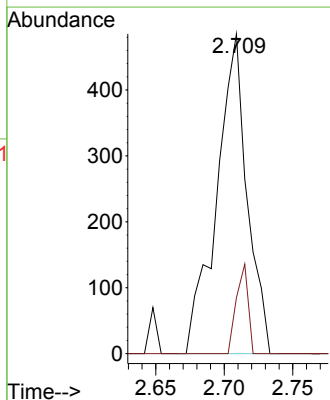
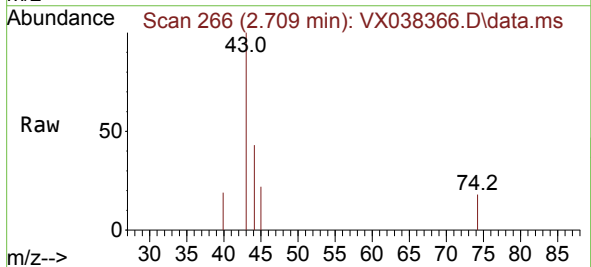
Instrument :
MSVOA_X
ClientSampleId :

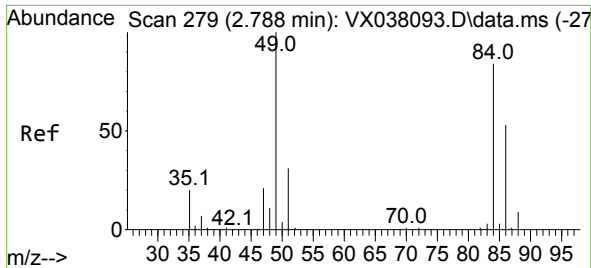
Tgt Ion: 43 Resp: 28189
Ion Ratio Lower Upper
43 100
58 31.3 21.9 32.9



#18
Methyl Acetate
Concen: 0.220 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX038366.D
Acq: 18 Oct 2023 16:35

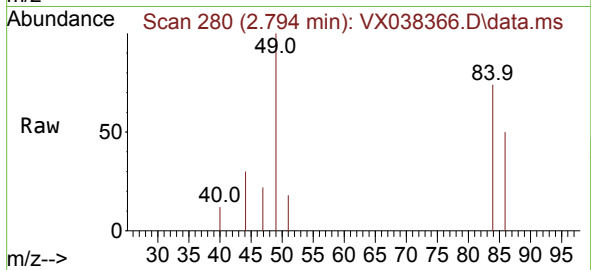
Tgt Ion: 43 Resp: 751
Ion Ratio Lower Upper
43 100
74 10.8 17.8 26.8#





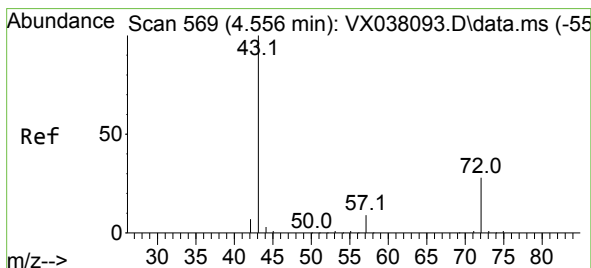
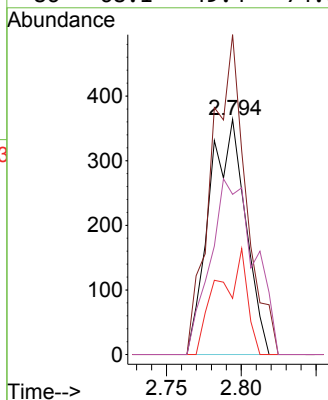
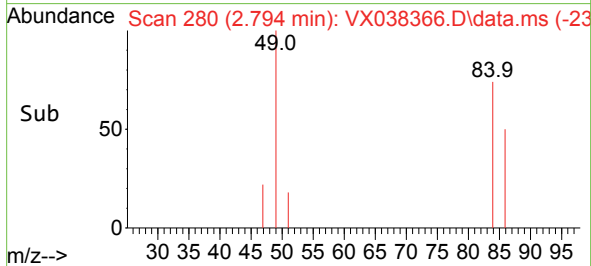
#20
Methylene Chloride
Concen: 0.409 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX038366.D
Acq: 18 Oct 2023 16:35

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion: 84 Resp: 612

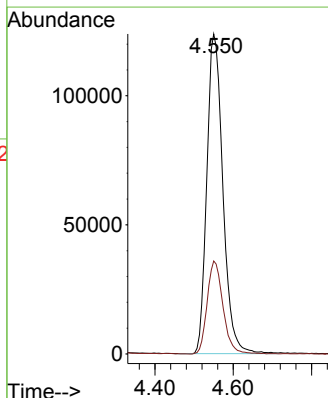
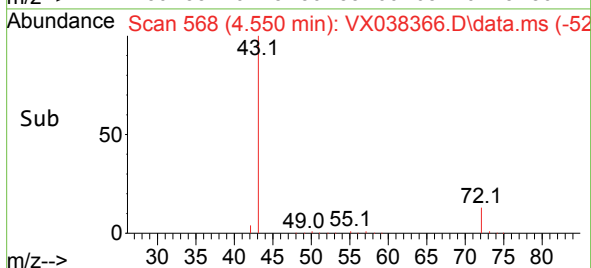
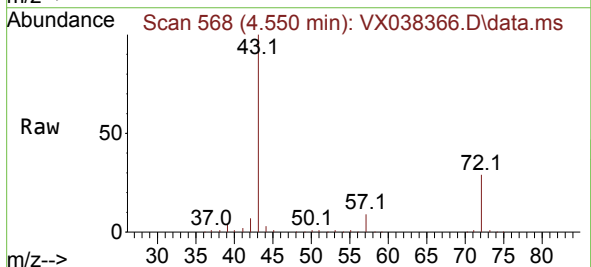
Ion	Ratio	Lower	Upper
84	100		
49	136.0	103.6	155.4
51	23.9	33.8	50.6#
86	68.1	49.4	74.0

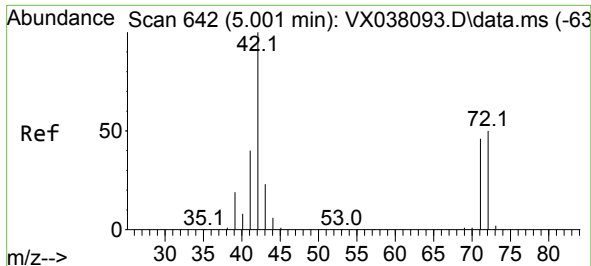


#25
2-Butanone
Concen: 273.468 ug/l
RT: 4.550 min Scan# 568
Delta R.T. -0.006 min
Lab File: VX038366.D
Acq: 18 Oct 2023 16:35

Tgt Ion: 43 Resp: 351298

Ion	Ratio	Lower	Upper
43	100		
72	29.0	19.4	29.2





#29

Tetrahydrofuran

Concen: 0.610 ug/l

RT: 4.983 min Scan# 61

Delta R.T. -0.018 min

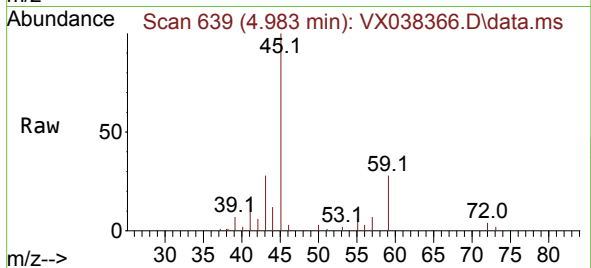
Lab File: VX038366.D

Acq: 18 Oct 2023 16:35

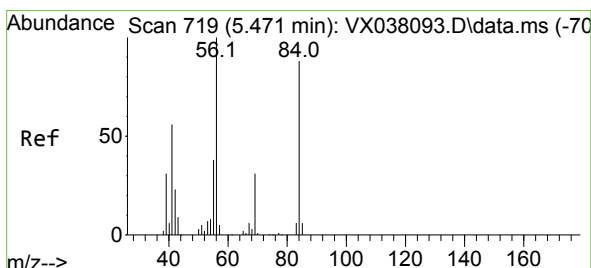
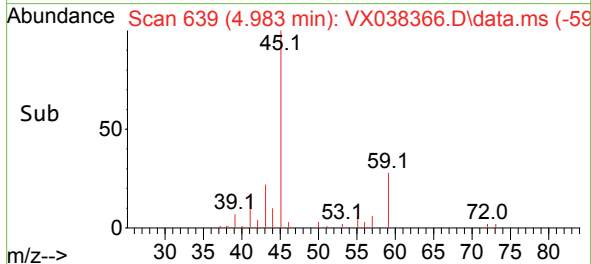
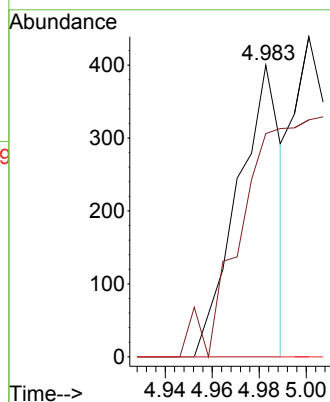
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:	42	Resp:	510
Ion Ratio	Lower	Upper	
42	100		
72	0.0	34.2	51.4#
71	0.0	32.2	48.2#



#31

Cyclohexane

Concen: 1.491 ug/l

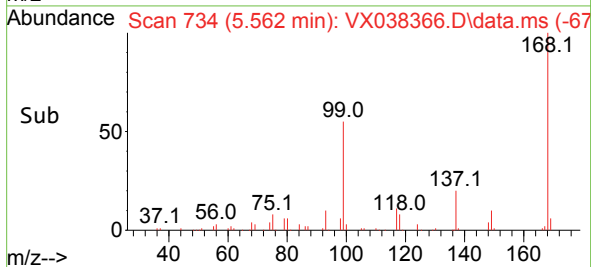
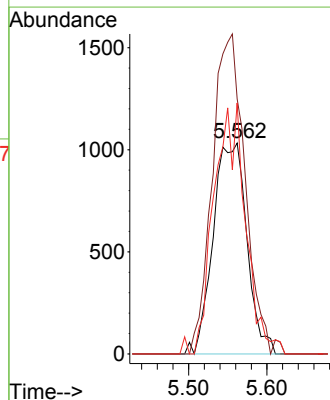
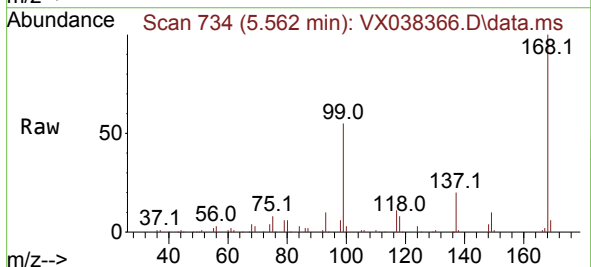
RT: 5.562 min Scan# 734

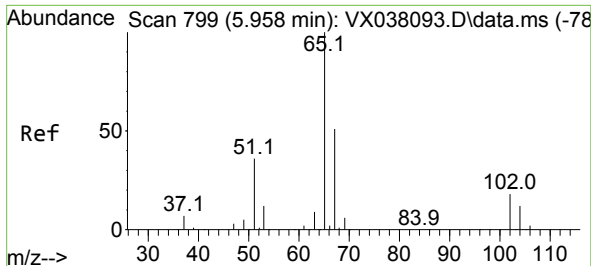
Delta R.T. 0.091 min

Lab File: VX038366.D

Acq: 18 Oct 2023 16:35

Tgt Ion:	56	Resp:	3081
Ion Ratio	Lower	Upper	
56	100		
69	120.9	23.4	35.2#
84	119.0	65.9	98.9#

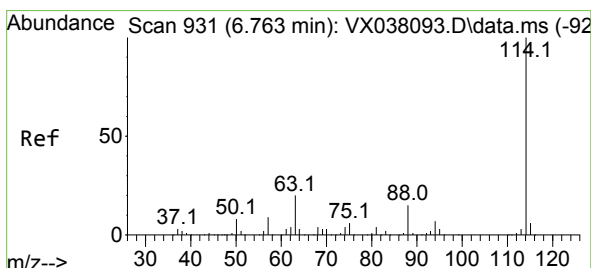
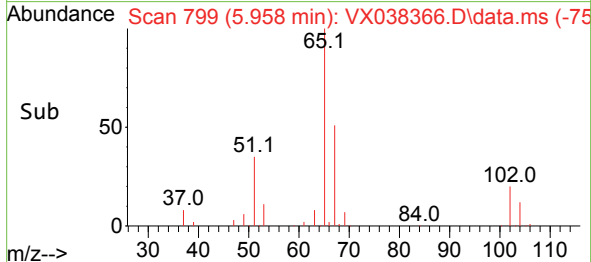
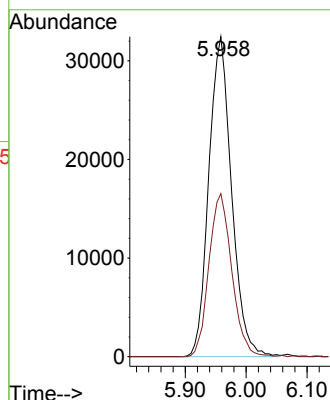
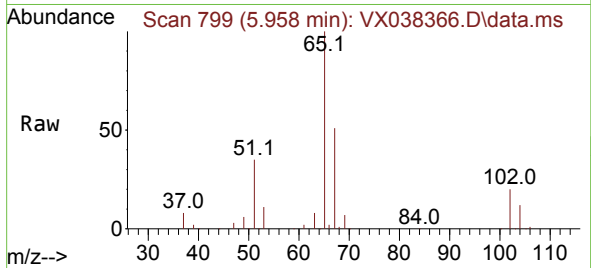




#33
 1,2-Dichloroethane-d4
 Concen: 44.186 ug/l
 RT: 5.958 min Scan# 799
 Delta R.T. 0.000 min
 Lab File: VX038366.D
 Acq: 18 Oct 2023 16:35

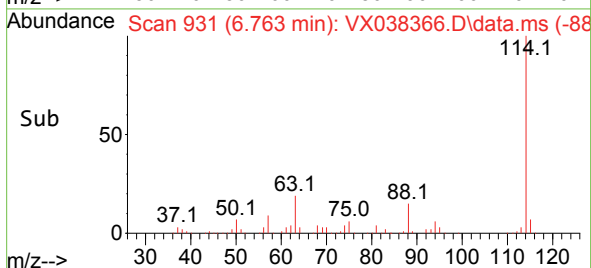
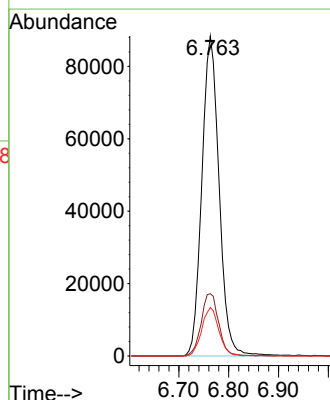
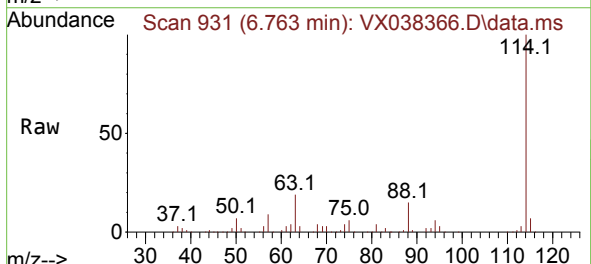
Instrument :
 MSVOA_X
 ClientSampleId :

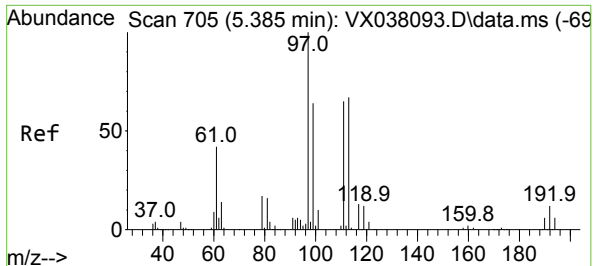
Tgt Ion: 65 Resp: 84293
 Ion Ratio Lower Upper
 65 100
 67 51.2 0.0 100.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.763 min Scan# 931
 Delta R.T. -0.000 min
 Lab File: VX038366.D
 Acq: 18 Oct 2023 16:35

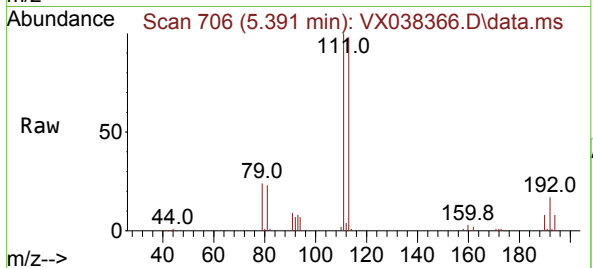
Tgt Ion: 114 Resp: 212133
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 45.0
 88 15.2 0.0 36.6



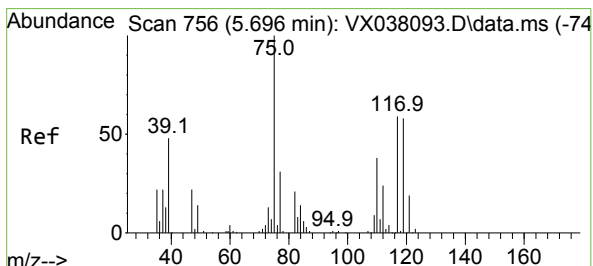
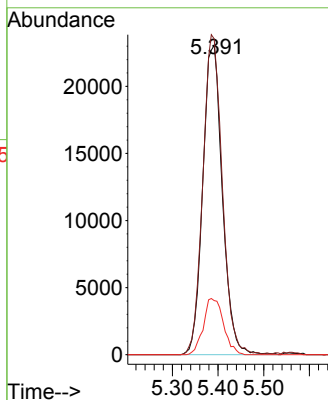
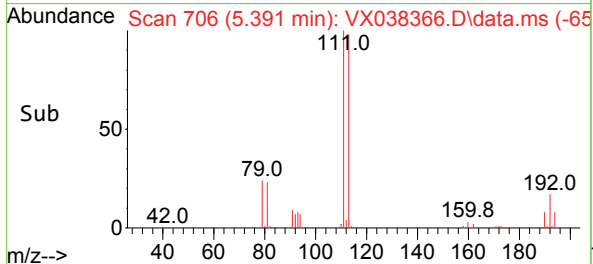


#35
Dibromofluoromethane
Concen: 44.887 ug/l
RT: 5.391 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX038366.D
Acq: 18 Oct 2023 16:35

Instrument :
MSVOA_X
ClientSampleId :

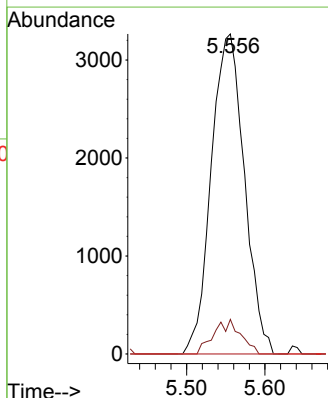
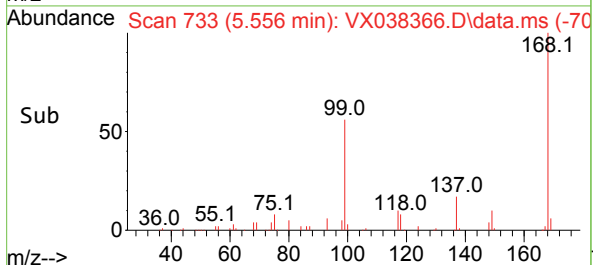
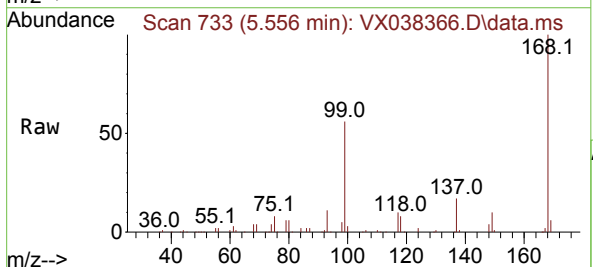


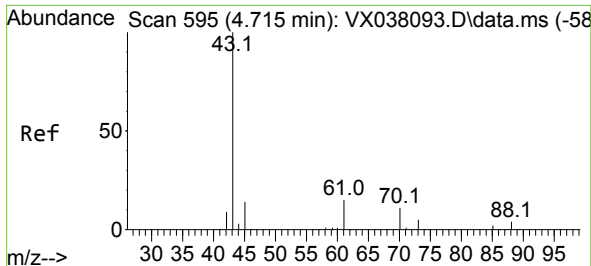
Tgt Ion:113 Resp: 68612
Ion Ratio Lower Upper
113 100
111 102.7 82.9 124.3
192 18.6 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.553 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.134 min
Lab File: VX038366.D
Acq: 18 Oct 2023 16:35

Tgt Ion: 75 Resp: 9596
Ion Ratio Lower Upper
75 100
110 4.5 17.0 50.9#
77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 140.331 ug/l

RT: 4.550 min Scan# 5

Delta R.T. -0.165 min

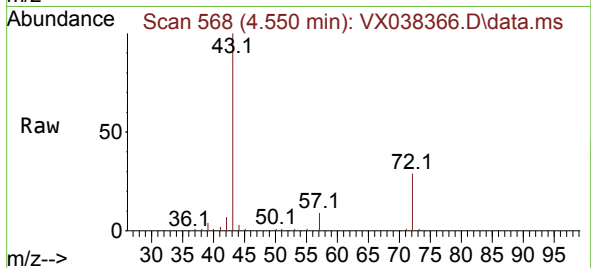
Lab File: VX038366.D

Acq: 18 Oct 2023 16:35

Instrument :

MSVOA_X

ClientSampleId :



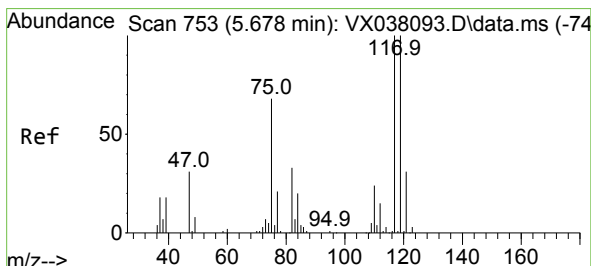
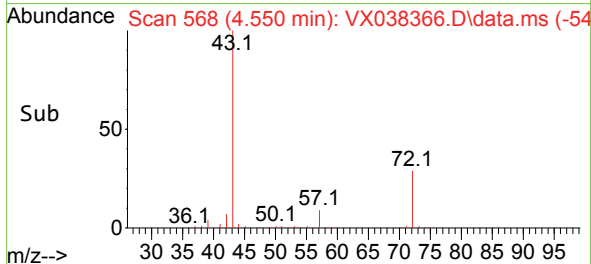
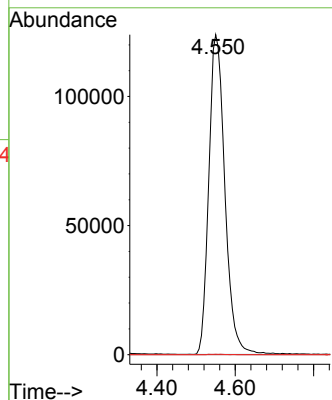
Tgt Ion: 43 Resp: 351298

Ion Ratio Lower Upper

43 100

61 0.0 10.6 16.0#

70 0.1 8.3 12.5#



#38

Carbon Tetrachloride

Concen: 5.848 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.128 min

Lab File: VX038366.D

Acq: 18 Oct 2023 16:35

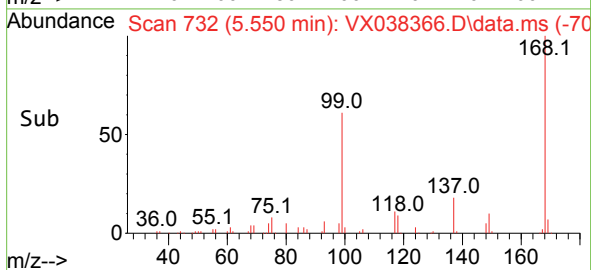
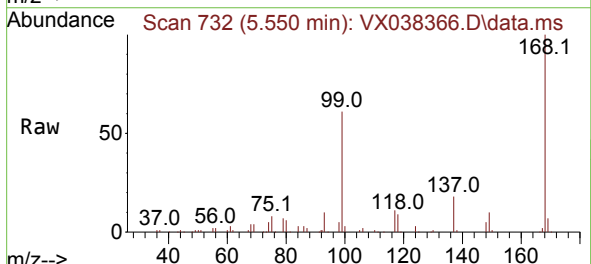
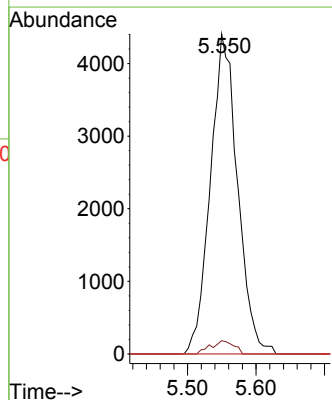
Tgt Ion: 117 Resp: 12127

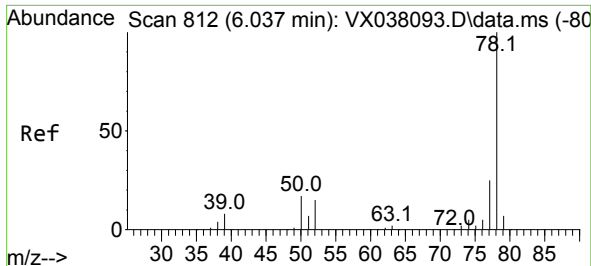
Ion Ratio Lower Upper

117 100

119 4.2 78.2 117.2#

121 0.0 24.4 36.6#

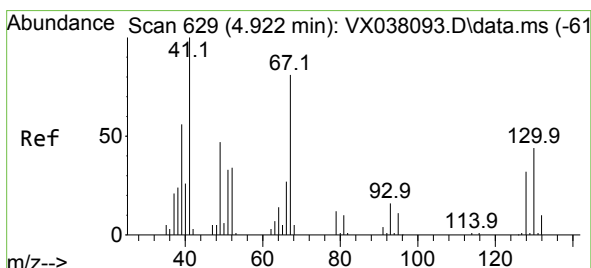
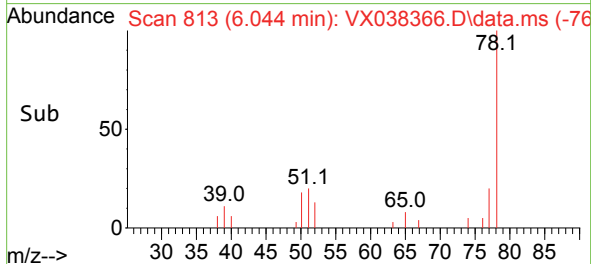
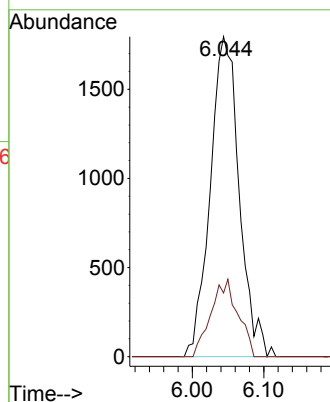
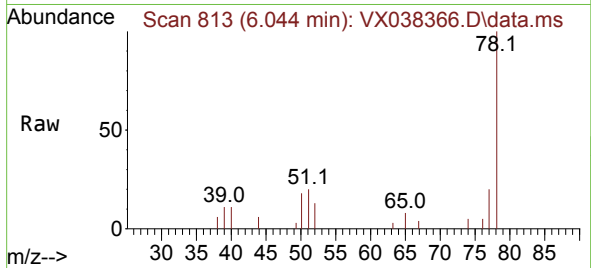




#40
Benzene
Concen: 0.860 ug/l
RT: 6.044 min Scan# 812
Delta R.T. 0.006 min
Lab File: VX038366.D
Acq: 18 Oct 2023 16:35

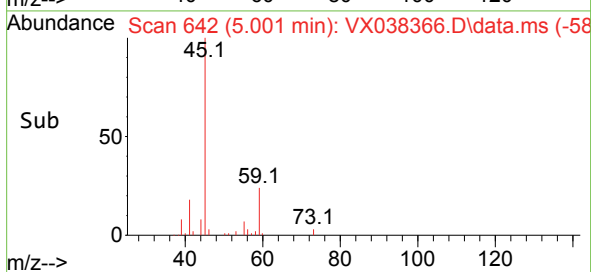
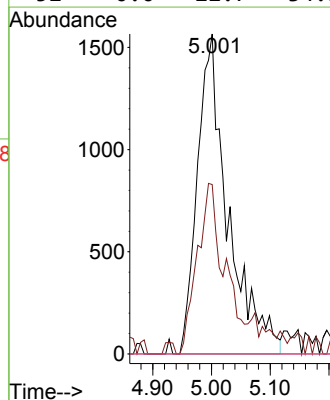
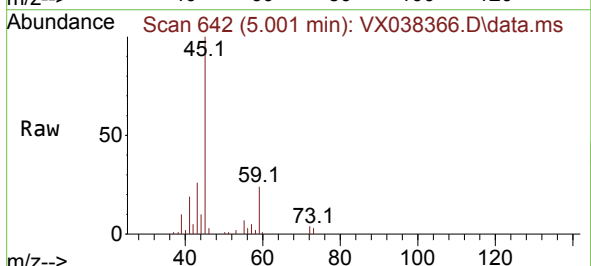
Instrument :
MSVOA_X
ClientSampleId :

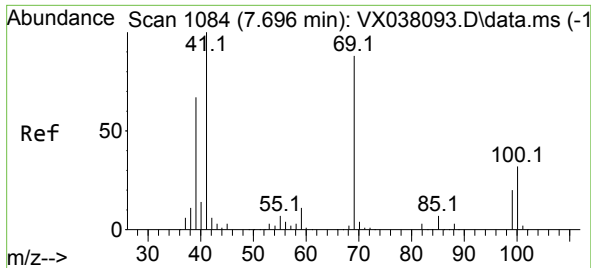
Tgt Ion: 78 Resp: 5069
Ion Ratio Lower Upper
78 100
77 19.9 19.3 28.9



#41
Methacrylonitrile
Concen: 4.520 ug/l
RT: 5.001 min Scan# 642
Delta R.T. 0.079 min
Lab File: VX038366.D
Acq: 18 Oct 2023 16:35

Tgt Ion: 41 Resp: 5629
Ion Ratio Lower Upper
41 100
39 37.1 45.2 67.8#
67 0.0 52.6 78.8#
52 0.0 22.7 34.1#

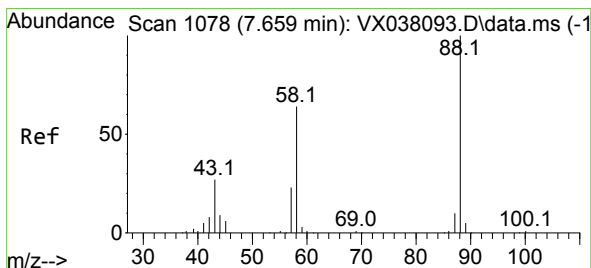
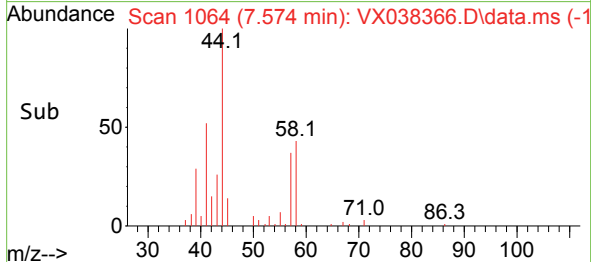
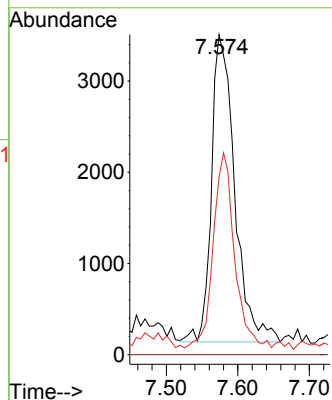
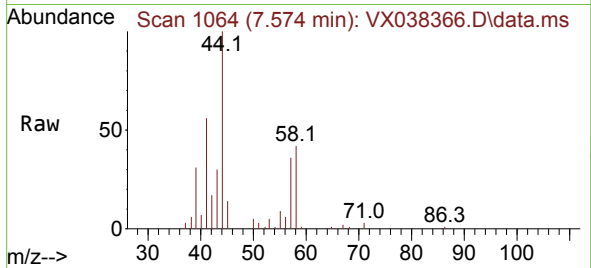




#48
Methyl methacrylate
Concen: 4.263 ug/l
RT: 7.574 min Scan# 1064
Delta R.T. -0.116 min
Lab File: VX038366.D
Acq: 18 Oct 2023 16:35

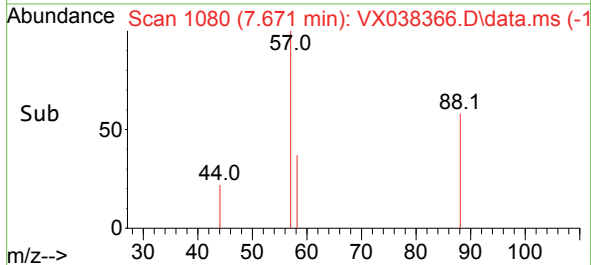
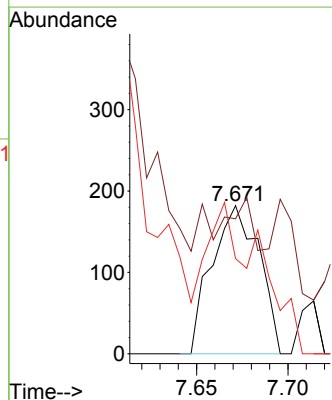
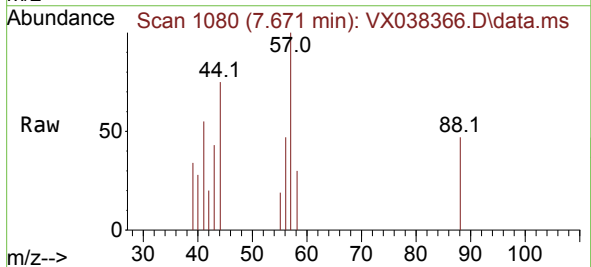
Instrument :
MSVOA_X
ClientSampleId :

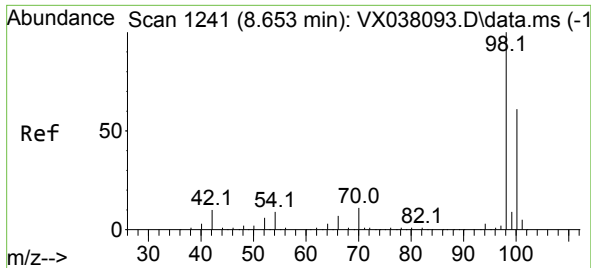
Tgt Ion: 41 Resp: 7606
Ion Ratio Lower Upper
41 100
69 0.0 59.2 88.8#
39 57.7 47.7 71.5



#49
1,4-Dioxane
Concen: 7.484 ug/l
RT: 7.671 min Scan# 1080
Delta R.T. 0.012 min
Lab File: VX038366.D
Acq: 18 Oct 2023 16:35

Tgt Ion: 88 Resp: 329
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 115.8 60.1 90.1#

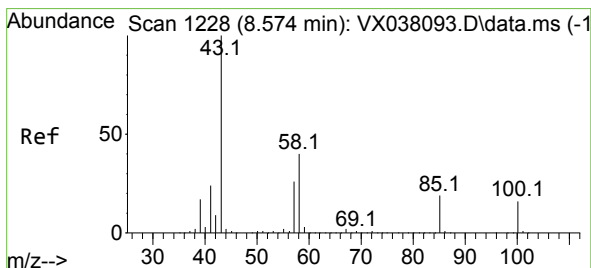
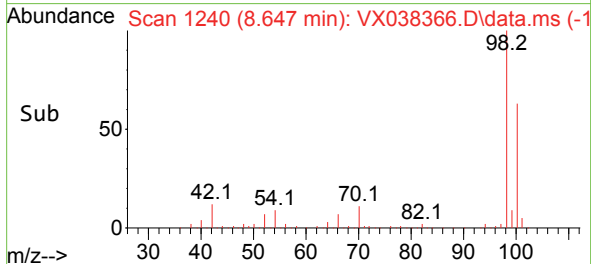
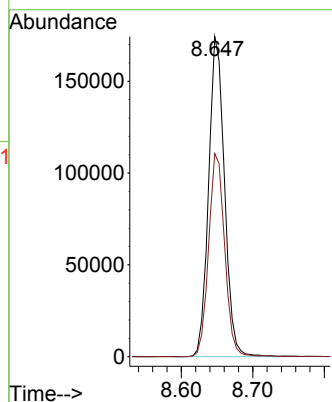
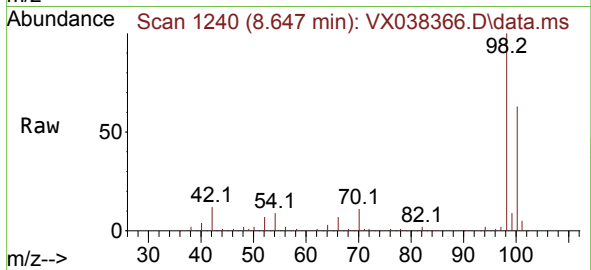




#50
Toluene-d8
Concen: 46.025 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX038366.D
Acq: 18 Oct 2023 16:35

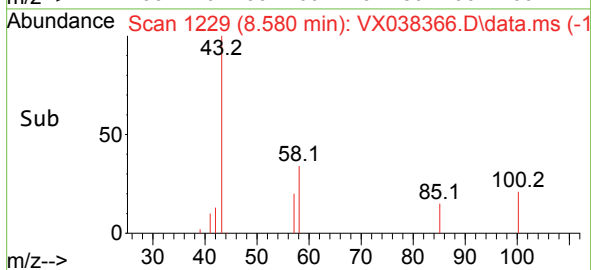
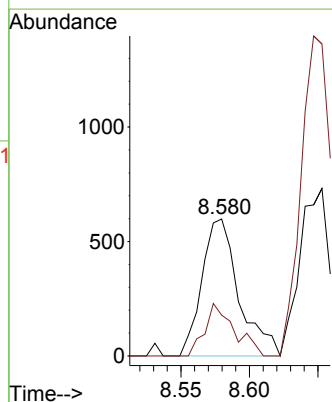
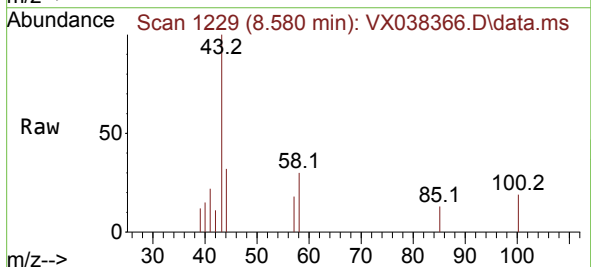
Instrument :
MSVOA_X
ClientSampleId :

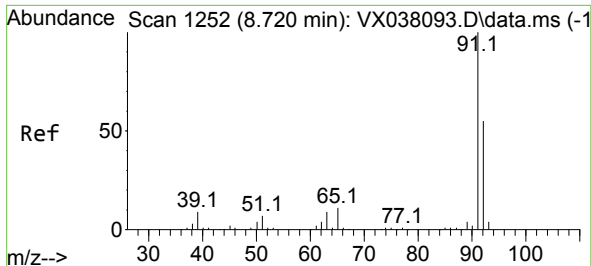
Tgt Ion: 98 Resp: 268833
Ion Ratio Lower Upper
98 100
100 64.2 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 0.436 ug/l
RT: 8.580 min Scan# 1229
Delta R.T. 0.006 min
Lab File: VX038366.D
Acq: 18 Oct 2023 16:35

Tgt Ion: 43 Resp: 1123
Ion Ratio Lower Upper
43 100
58 30.5 30.4 45.6

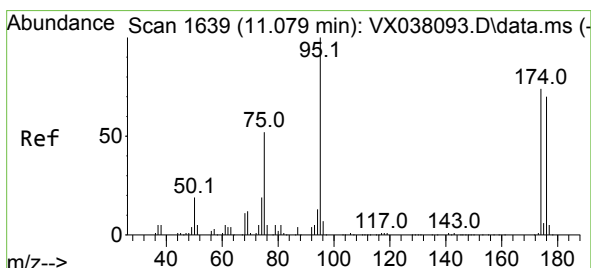
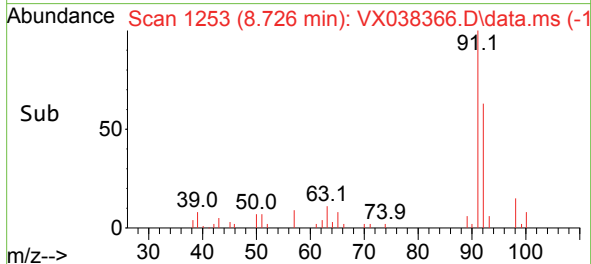
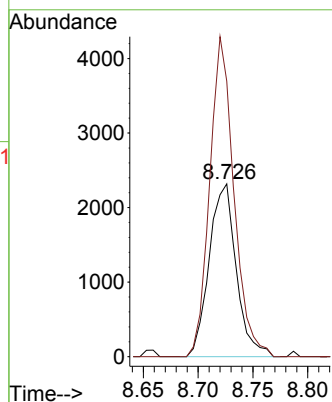
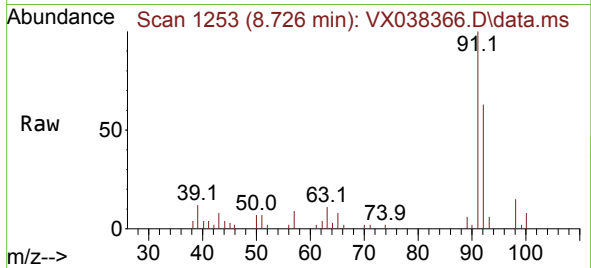




#52
Toluene
Concen: 1.038 ug/l
RT: 8.726 min Scan# 1252
Delta R.T. 0.006 min
Lab File: VX038366.D
Acq: 18 Oct 2023 16:35

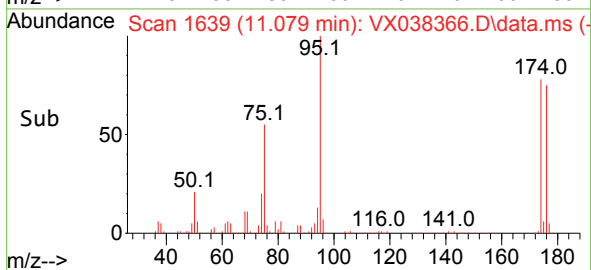
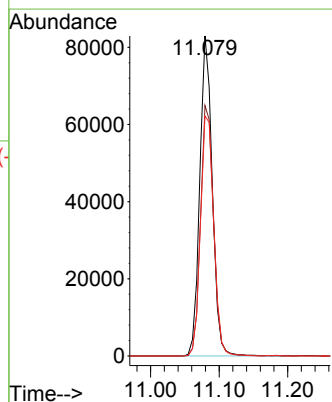
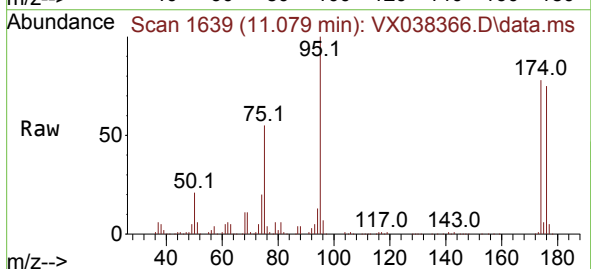
Instrument :
MSVOA_X
ClientSampleId :

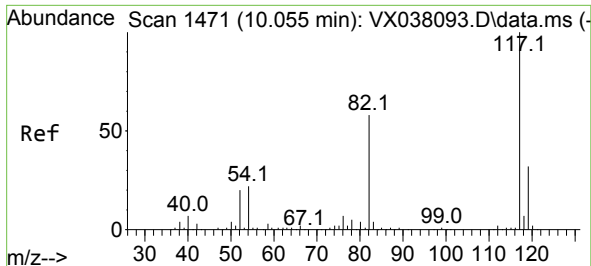
Tgt Ion: 92 Resp: 3986
Ion Ratio Lower Upper
92 100
91 165.8 134.2 201.2



#62
4-Bromofluorobenzene
Concen: 47.552 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX038366.D
Acq: 18 Oct 2023 16:35

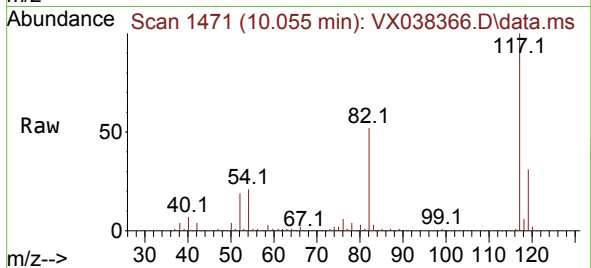
Tgt Ion: 95 Resp: 105297
Ion Ratio Lower Upper
95 100
174 81.5 0.0 135.6
176 79.8 0.0 131.0



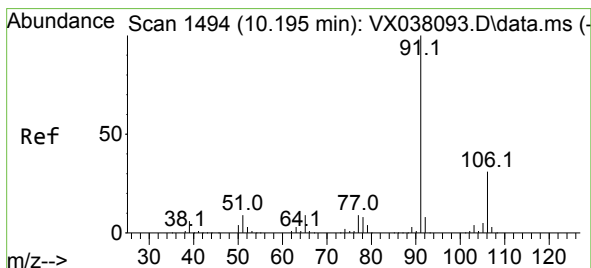
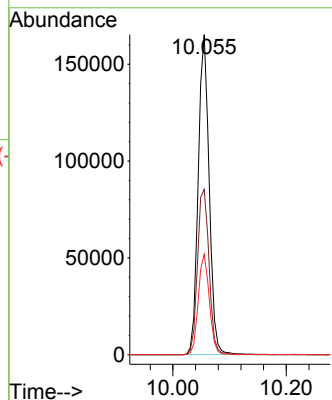
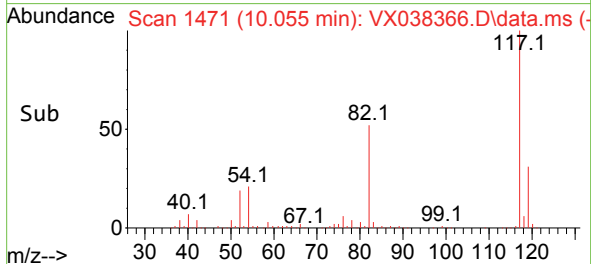


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX038366.D
Acq: 18 Oct 2023 16:35

Instrument :
MSVOA_X
ClientSampleId :

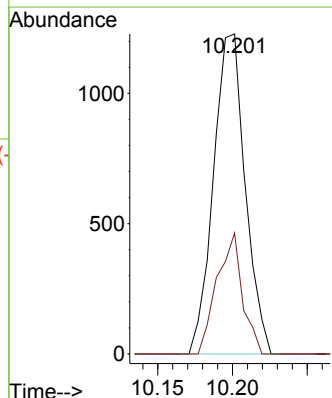
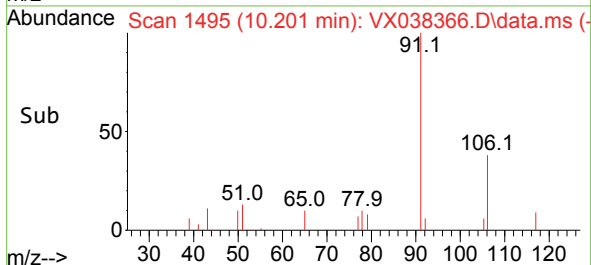
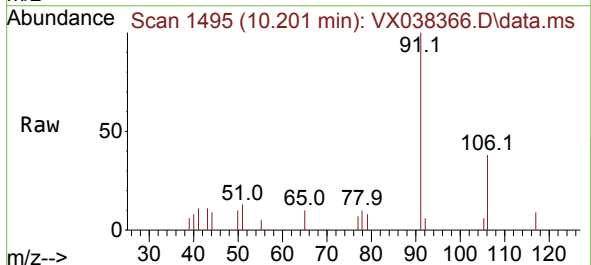


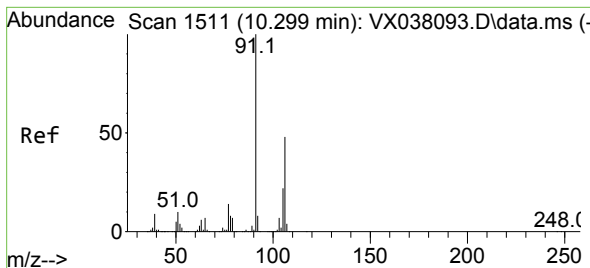
Tgt Ion:117 Resp: 221838
Ion Ratio Lower Upper
117 100
82 51.7 46.2 69.4
119 31.4 25.5 38.3



#67
Ethyl Benzene
Concen: 0.218 ug/l
RT: 10.201 min Scan# 1495
Delta R.T. 0.006 min
Lab File: VX038366.D
Acq: 18 Oct 2023 16:35

Tgt Ion: 91 Resp: 1810
Ion Ratio Lower Upper
91 100
106 37.8 24.9 37.3#

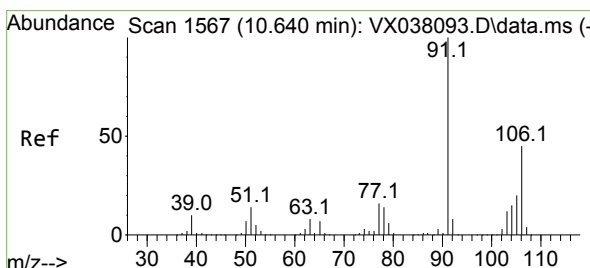
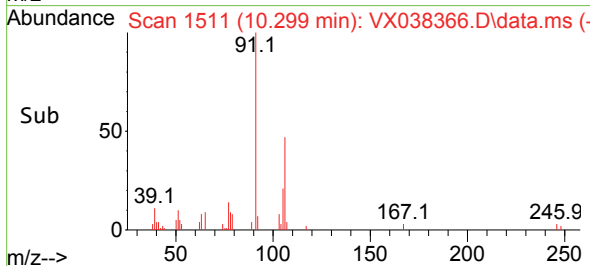
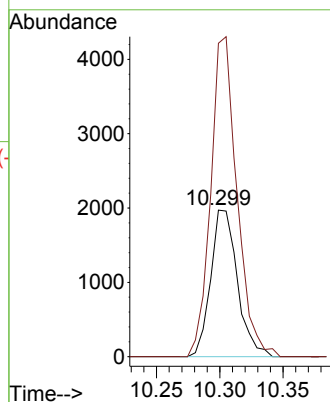
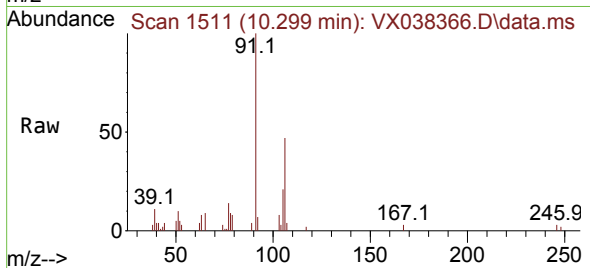




#68
m/p-Xylenes
Concen: 0.902 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.006 min
Lab File: VX038366.D
Acq: 18 Oct 2023 16:35

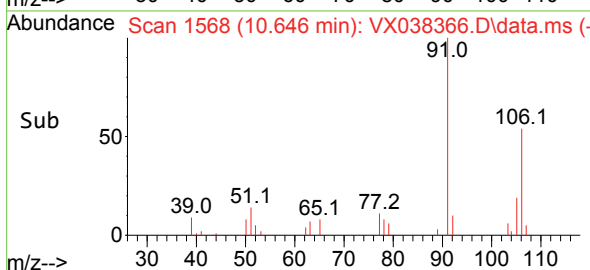
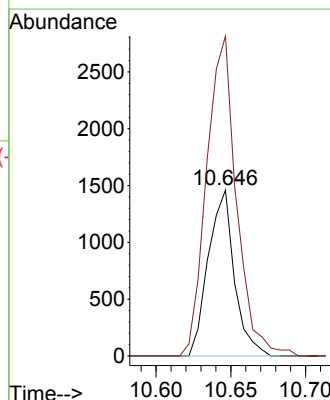
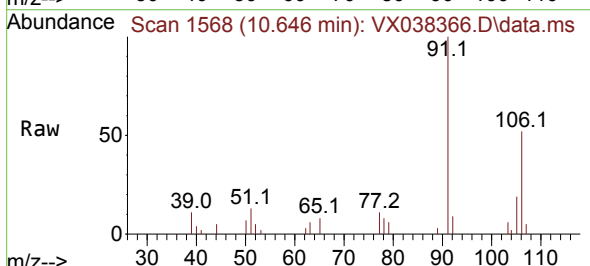
Instrument :
MSVOA_X
ClientSampleId :

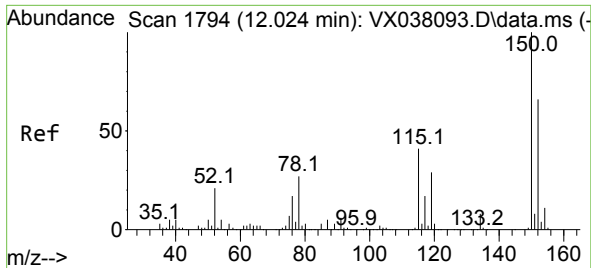
Tgt Ion:106 Resp: 2891
Ion Ratio Lower Upper
106 100
91 214.7 165.5 248.3



#69
o-Xylene
Concen: 0.566 ug/l
RT: 10.646 min Scan# 1568
Delta R.T. 0.006 min
Lab File: VX038366.D
Acq: 18 Oct 2023 16:35

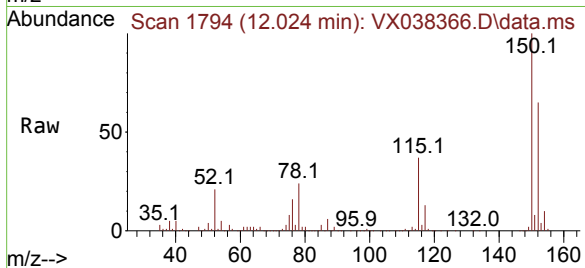
Tgt Ion:106 Resp: 1771
Ion Ratio Lower Upper
106 100
91 221.2 108.9 326.8



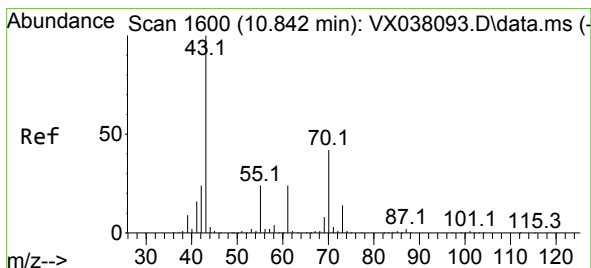
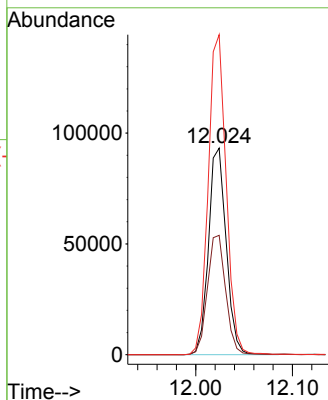
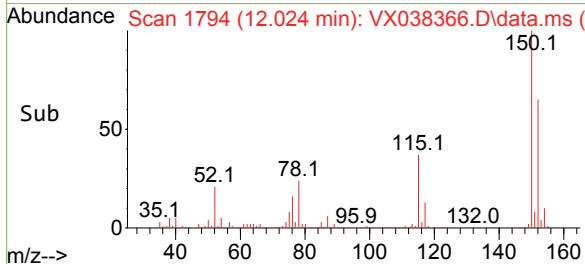


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 1
 Delta R.T. 0.000 min
 Lab File: VX038366.D
 Acq: 18 Oct 2023 16:35

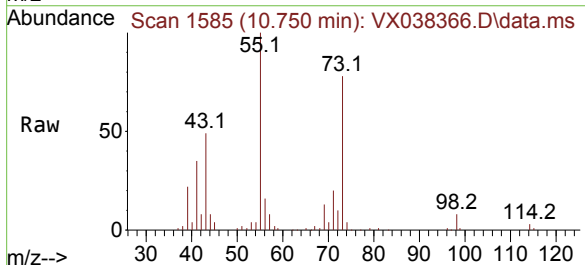
Instrument :
 MSVOA_X
 ClientSampleId :



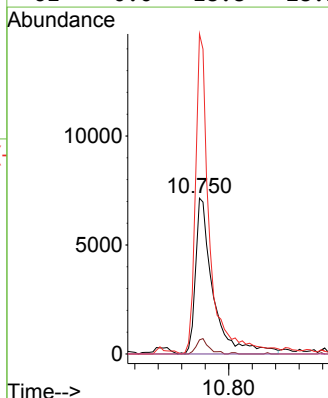
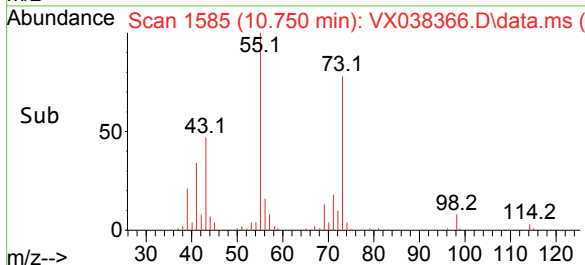
Tgt Ion:152 Resp: 118970
 Ion Ratio Lower Upper
 152 100
 115 59.6 43.3 129.9
 150 157.1 0.0 345.0

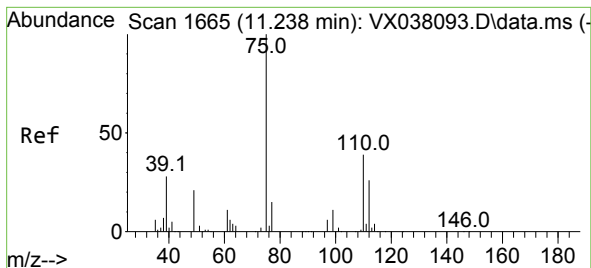


#74
 N-ethyl acetate
 Concen: 4.359 ug/l
 RT: 10.750 min Scan# 1585
 Delta R.T. -0.092 min
 Lab File: VX038366.D
 Acq: 18 Oct 2023 16:35



Tgt Ion: 43 Resp: 14853
 Ion Ratio Lower Upper
 43 100
 70 6.9 32.9 49.3#
 55 165.8 19.3 28.9#
 61 0.0 18.8 28.2#





#76

1,2,3-Trichloropropane

Concen: 21.273 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX038366.D

Acq: 18 Oct 2023 16:35

Instrument :

MSVOA_X

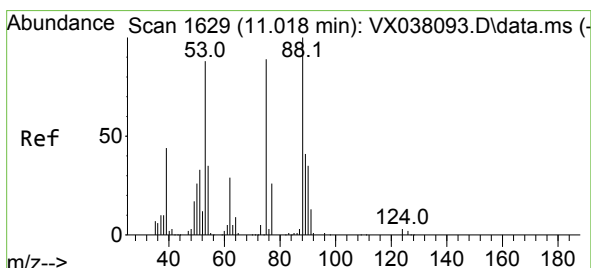
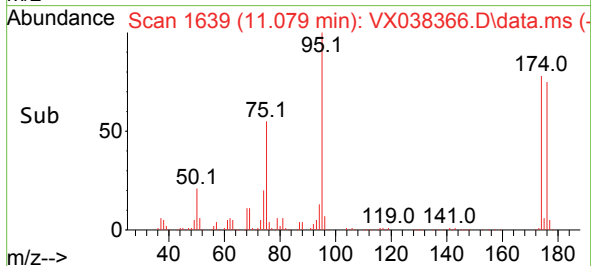
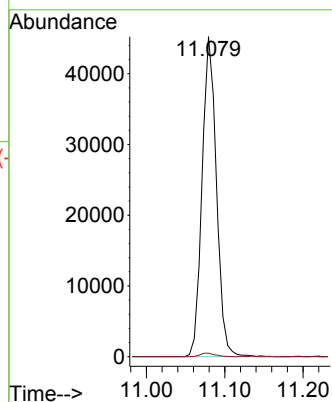
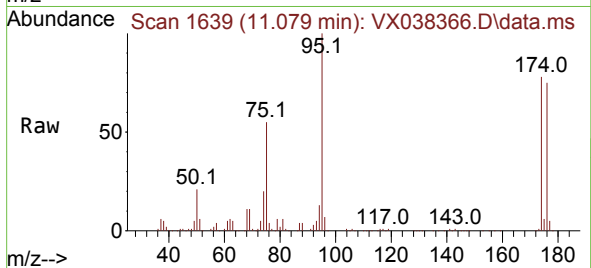
ClientSampleId :

Tgt Ion: 75 Resp: 57536

Ion Ratio Lower Upper

75 100

77 1.2 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 61.139 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX038366.D

Acq: 18 Oct 2023 16:35

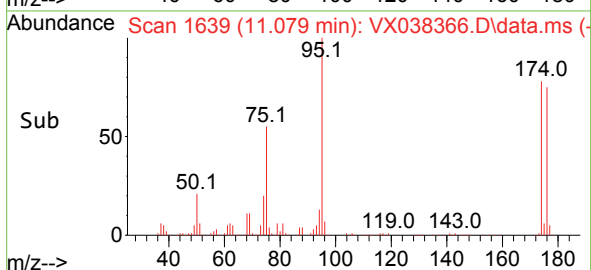
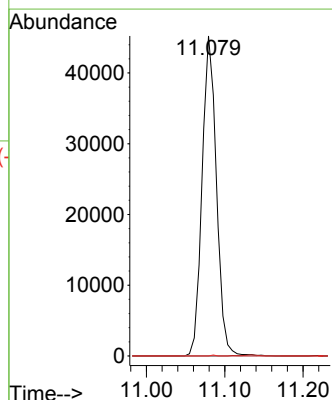
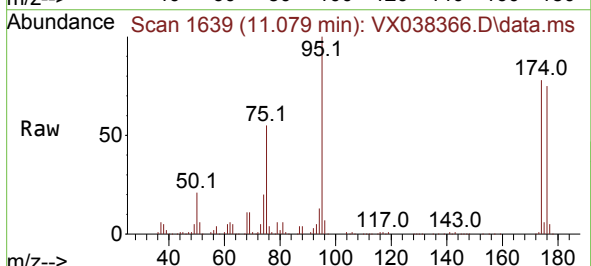
Tgt Ion: 75 Resp: 57536

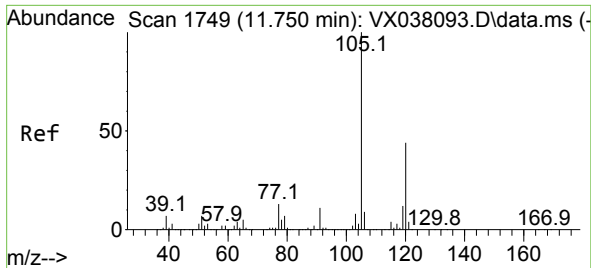
Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

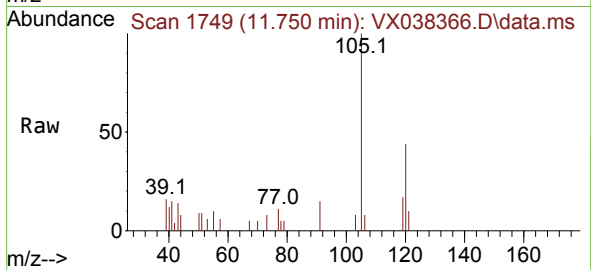
89 0.1 36.9 55.3#





#84
 1,2,4-Trimethylbenzene
 Concen: 0.280 ug/l
 RT: 11.750 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX038366.D
 Acq: 18 Oct 2023 16:35

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion:105 Resp: 1925
 Ion Ratio Lower Upper
 105 100
 120 36.9 21.2 63.6

