

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032124\
 Data File : VX040755.D
 Acq On : 21 Mar 2024 20:03
 Operator : JC/MD
 Sample : PB159677ZHE#06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Mar 22 03:00:57 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X032124W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 22 02:41:46 2024
 Response via : Initial Calibration

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

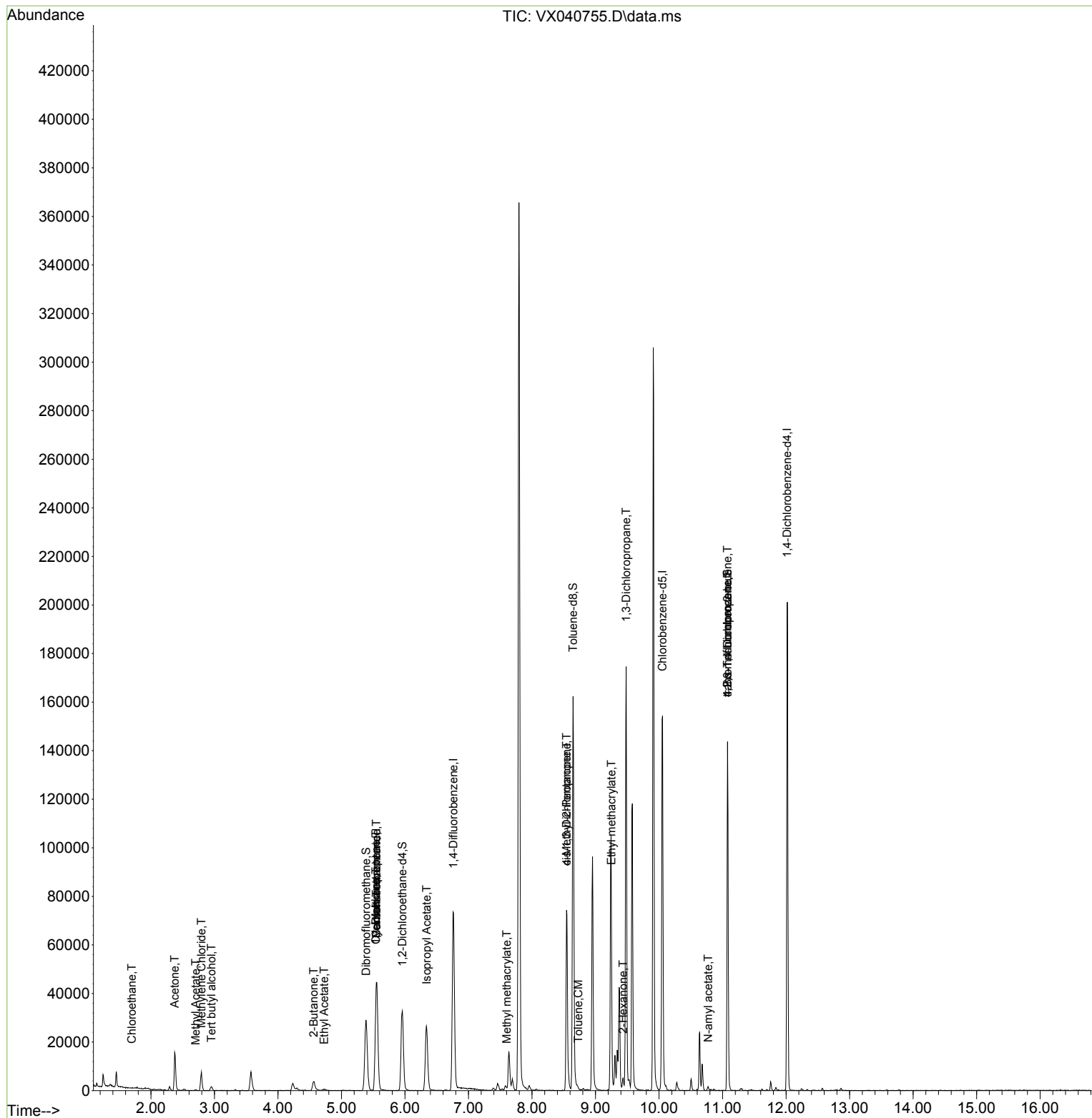
Internal Standards						
1) Pentafluorobenzene	5.550	168	41088	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	71240	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	66693	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	36636	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	33943	49.130	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	98.260%		
35) Dibromofluoromethane	5.385	113	24277	45.543	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	91.080%		
50) Toluene-d8	8.647	98	93097	51.005	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	102.020%		
62) 4-Bromofluorobenzene	11.079	95	35355	49.028	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	98.060%		
Target Compounds						Qvalue
6) Chloroethane	1.697	64	86	0.238	ug/l #	43
11) Tert butyl alcohol	2.953	59	1712	15.475	ug/l #	91
16) Acetone	2.374	43	16427	67.128	ug/l	100
18) Methyl Acetate	2.703	43	530	0.808	ug/l #	53
20) Methylene Chloride	2.794	84	2985	5.580	ug/l	97
25) 2-Butanone	4.562	43	6910	18.028	ug/l	96
31) Cyclohexane	5.544	56	1265	1.541	ug/l #	58
36) 1,1-Dichloropropene	5.544	75	3717	4.736	ug/l #	47
37) Ethyl Acetate	4.727	43	865	0.971	ug/l #	69
38) Carbon Tetrachloride	5.550	117	4431	5.016	ug/l #	11
43) Isopropyl Acetate	6.342	43	38457	27.478	ug/l	98
48) Methyl methacrylate	7.604	41	1204	1.882	ug/l #	16
51) 4-Methyl-2-Pentanone	8.543	43	30182	34.775	ug/l #	50
52) Toluene	8.726	92	326	0.252	ug/l #	70
54) cis-1,3-Dichloropropene	8.543	75	11058	12.560	ug/l #	68
56) Ethyl methacrylate	9.250	69	270	0.307	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	1537	1.711	ug/l #	42
59) 2-Hexanone	9.433	43	3172	4.718	ug/l	82
74) N-amyl acetate	10.774	43	1176	0.859	ug/l #	45
76) 1,2,3-Trichloropropane	11.079	75	21184	26.885	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	21184	68.014	ug/l #	5

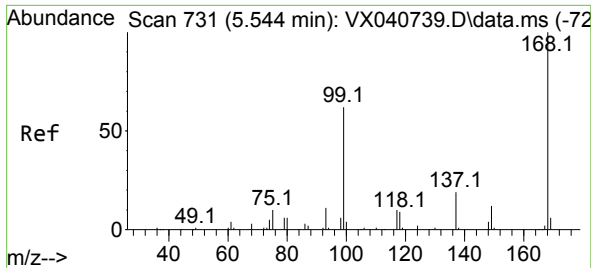
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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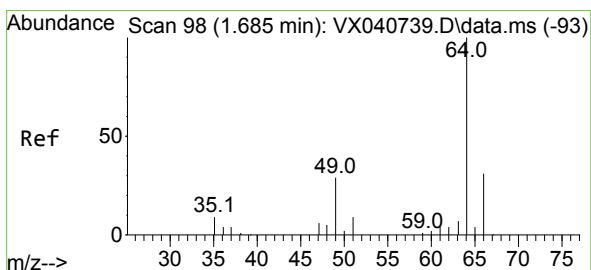
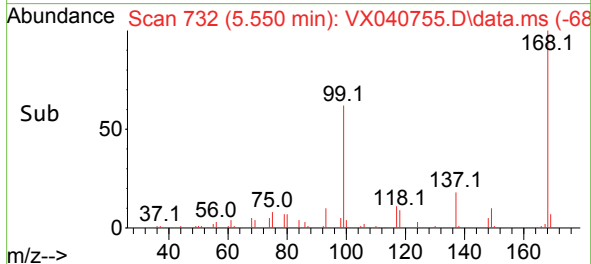
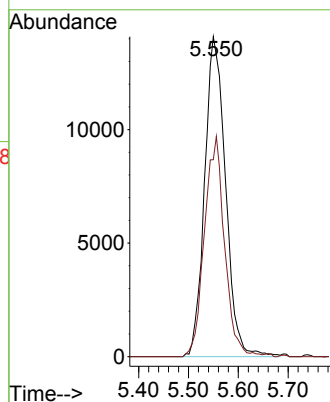
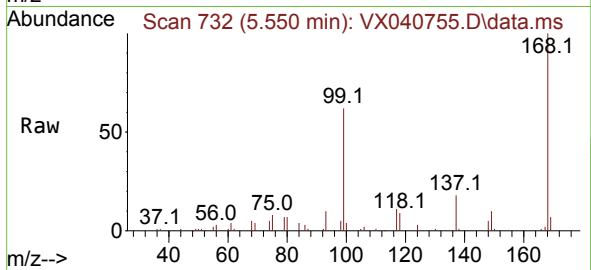




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX040755.D
Acq: 21 Mar 2024 20:03

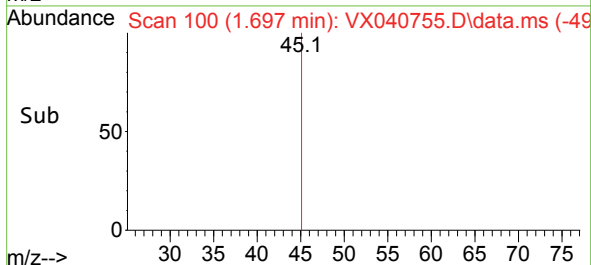
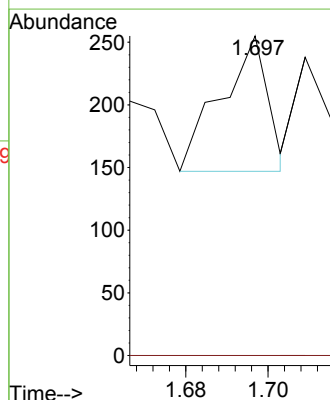
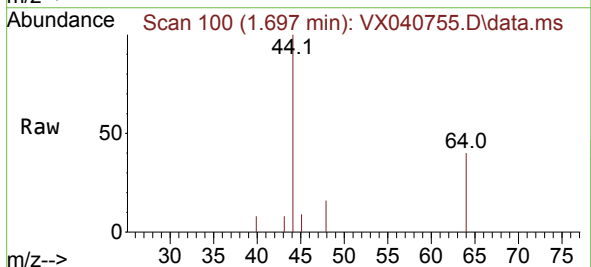
Instrument :
MSVOA_X
ClientSampleId :

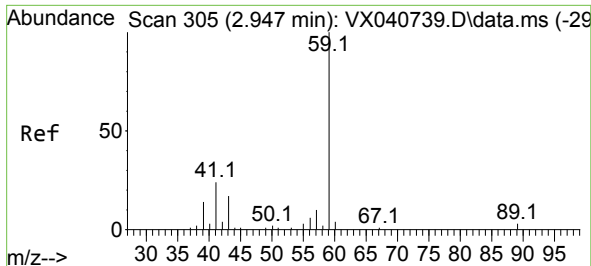
Tgt Ion:168 Resp: 41088
Ion Ratio Lower Upper
168 100
99 61.6 56.6 85.0



#6
Chloroethane
Concen: 0.238 ug/l
RT: 1.697 min Scan# 100
Delta R.T. 0.012 min
Lab File: VX040755.D
Acq: 21 Mar 2024 20:03

Tgt Ion: 64 Resp: 86
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#

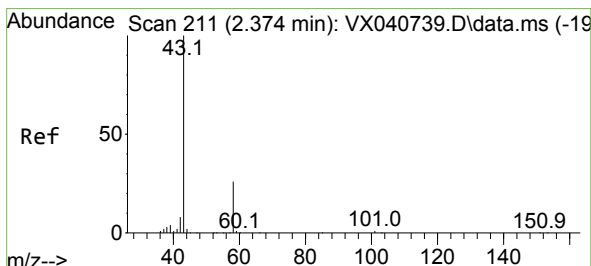
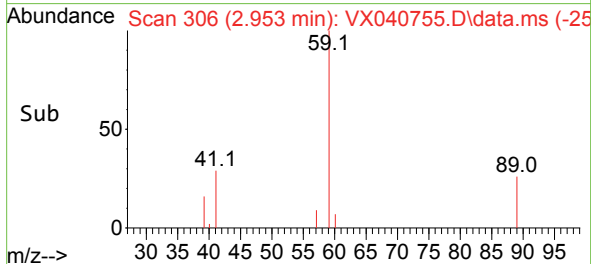
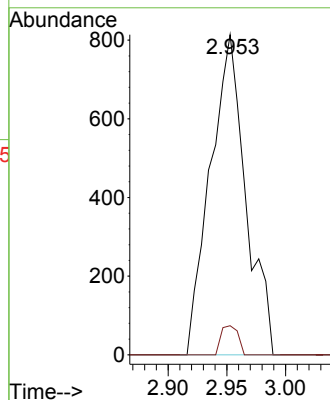
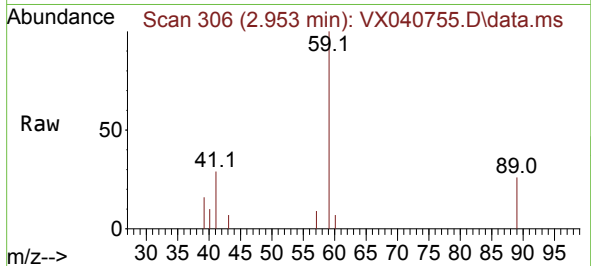




#11
Tert butyl alcohol
Concen: 15.475 ug/l
RT: 2.953 min Scan# 305
Delta R.T. 0.006 min
Lab File: VX040755.D
Acq: 21 Mar 2024 20:03

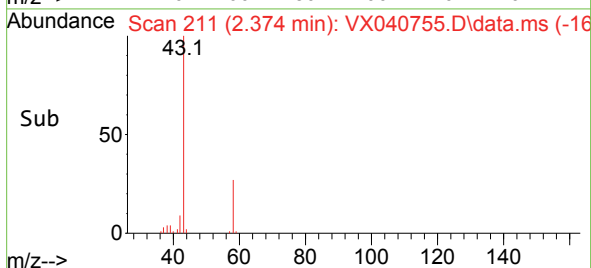
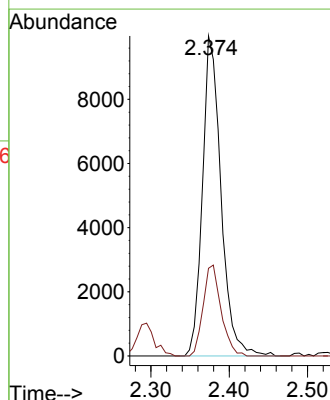
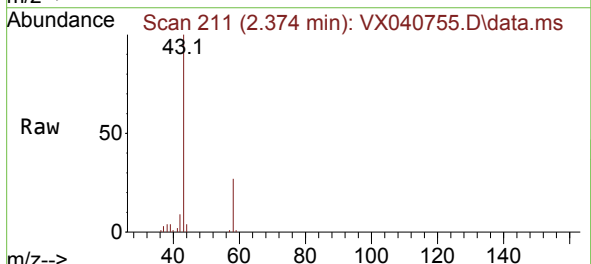
Instrument :
MSVOA_X
ClientSampleId :

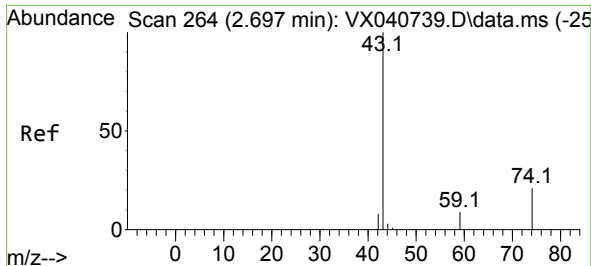
Tgt Ion: 59 Resp: 1712
Ion Ratio Lower Upper
59 100
57 4.4 6.0 9.0#



#16
Acetone
Concen: 67.128 ug/l
RT: 2.374 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX040755.D
Acq: 21 Mar 2024 20:03

Tgt Ion: 43 Resp: 16427
Ion Ratio Lower Upper
43 100
58 27.4 21.9 32.9

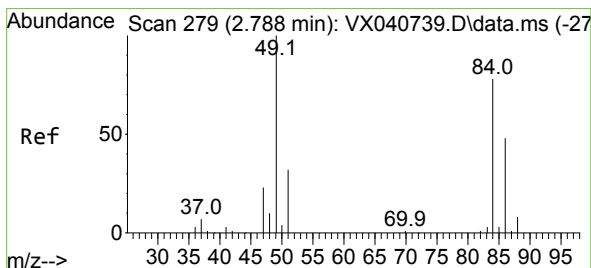
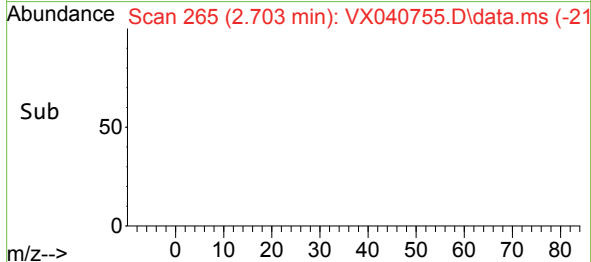
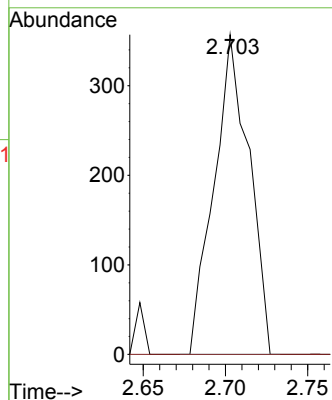
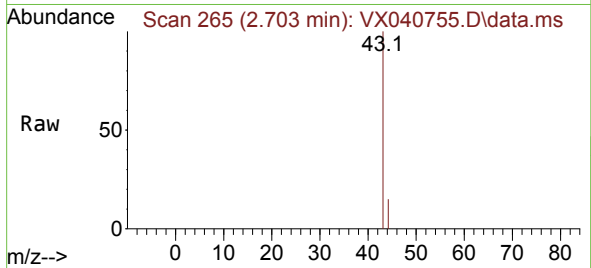




#18
Methyl Acetate
Concen: 0.808 ug/l
RT: 2.703 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX040755.D
Acq: 21 Mar 2024 20:03

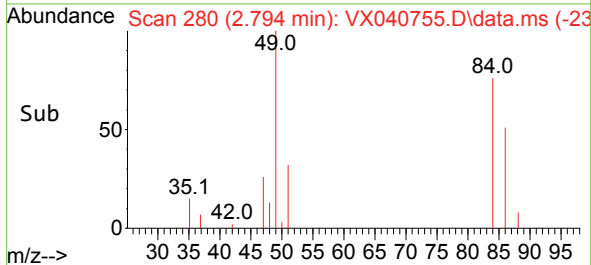
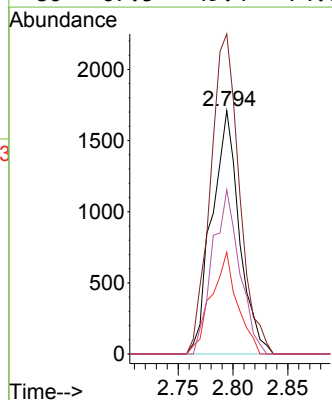
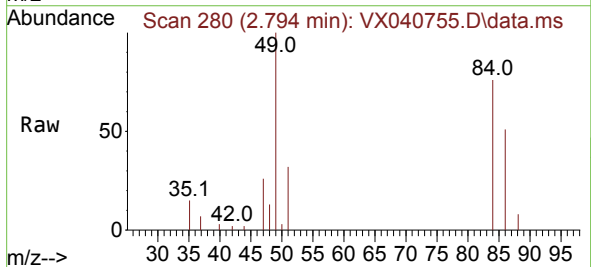
Instrument :
MSVOA_X
ClientSampleId :

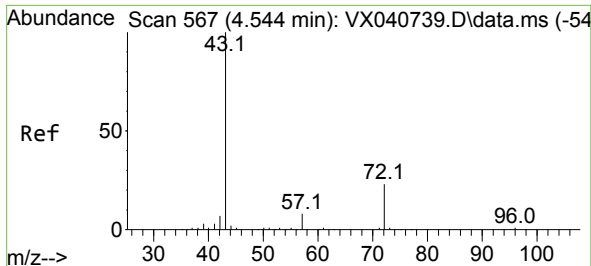
Tgt Ion: 43 Resp: 530
Ion Ratio Lower Upper
43 100
74 0.0 17.8 26.8#



#20
Methylene Chloride
Concen: 5.580 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX040755.D
Acq: 21 Mar 2024 20:03

Tgt Ion: 84 Resp: 2985
Ion Ratio Lower Upper
84 100
49 131.6 103.6 155.4
51 41.8 33.8 50.6
86 67.5 49.4 74.0

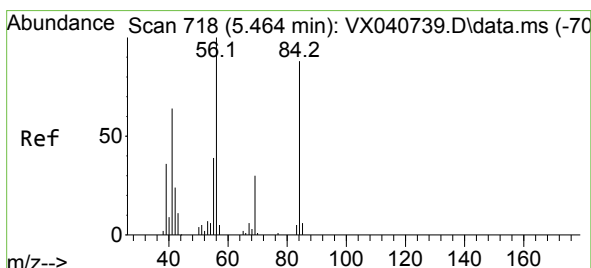
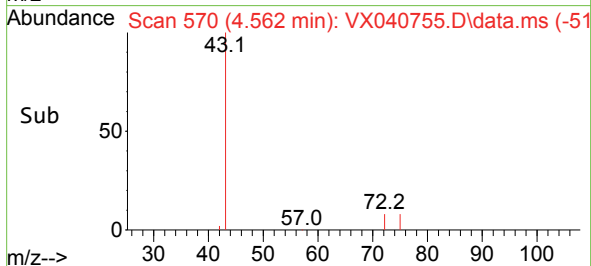
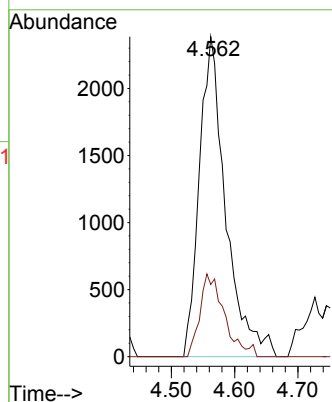
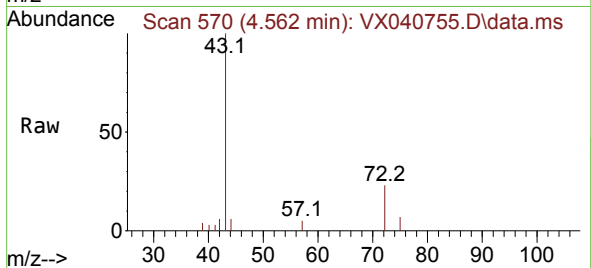




#25
2-Butanone
Concen: 18.028 ug/l
RT: 4.562 min Scan# 51
Delta R.T. 0.018 min
Lab File: VX040755.D
Acq: 21 Mar 2024 20:03

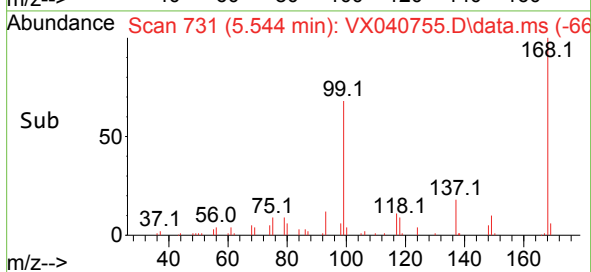
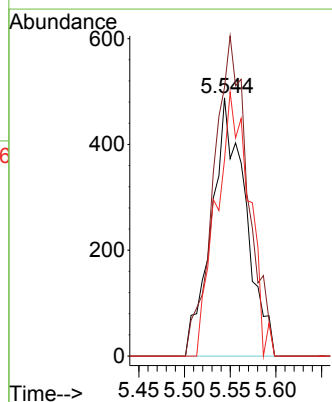
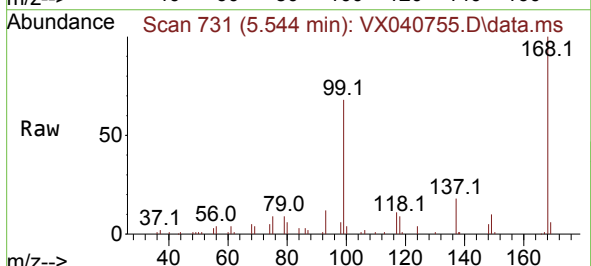
Instrument :
MSVOA_X
ClientSampleId :

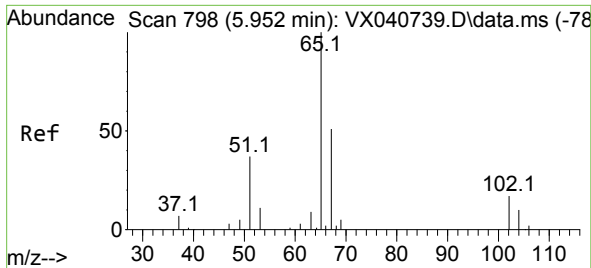
Tgt Ion: 43 Resp: 6910
Ion Ratio Lower Upper
43 100
72 22.5 19.4 29.2



#31
Cyclohexane
Concen: 1.541 ug/l
RT: 5.544 min Scan# 731
Delta R.T. 0.080 min
Lab File: VX040755.D
Acq: 21 Mar 2024 20:03

Tgt Ion: 56 Resp: 1265
Ion Ratio Lower Upper
56 100
69 104.1 23.4 35.2#
84 76.0 65.9 98.9





#33

1,2-Dichloroethane-d4

Concen: 49.130 ug/l

RT: 5.958 min Scan# 798

Delta R.T. 0.006 min

Lab File: VX040755.D

Acq: 21 Mar 2024 20:03

Instrument :

MSVOA_X

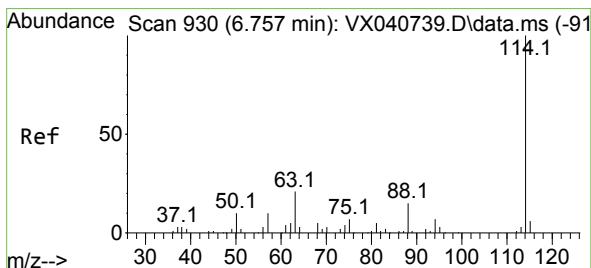
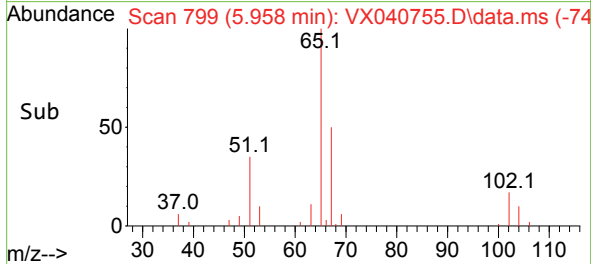
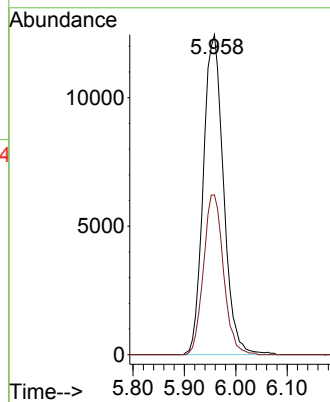
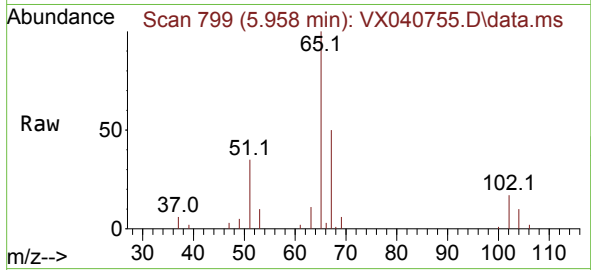
ClientSampleId :

Tgt Ion: 65 Resp: 33943

Ion Ratio Lower Upper

65 100

67 49.5 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: VX040755.D

Acq: 21 Mar 2024 20:03

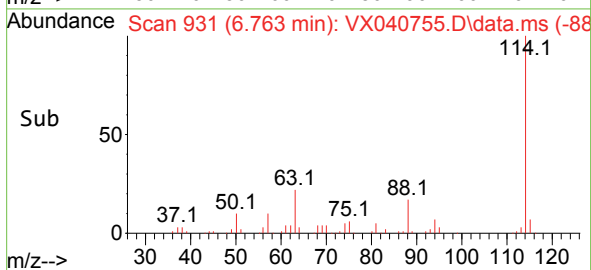
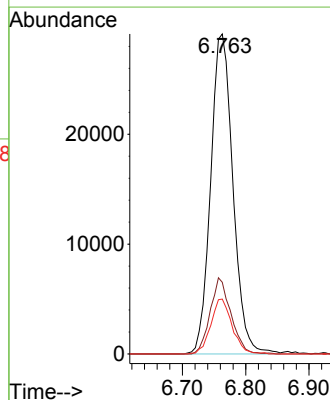
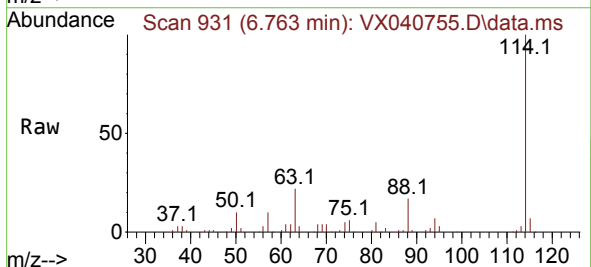
Tgt Ion: 114 Resp: 71240

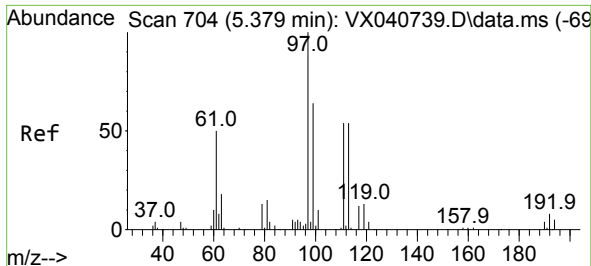
Ion Ratio Lower Upper

114 100

63 22.4 0.0 45.0

88 17.2 0.0 36.6

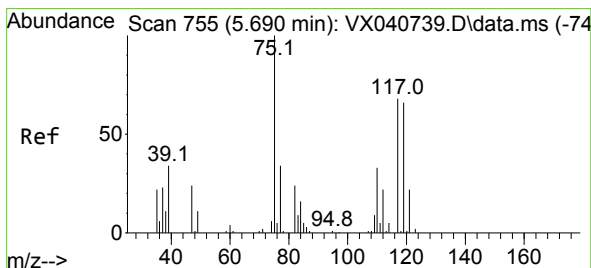
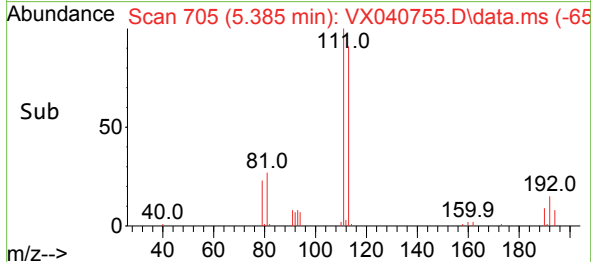
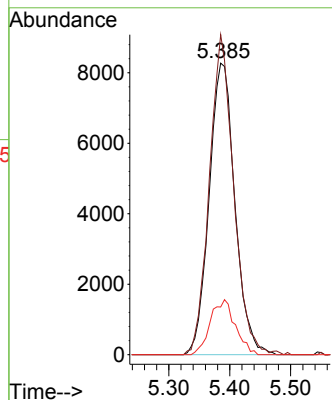
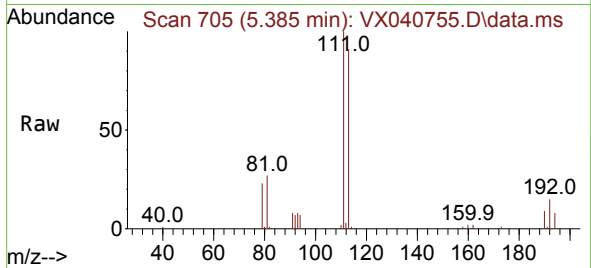




#35
 Dibromofluoromethane
 Concen: 45.543 ug/l
 RT: 5.385 min Scan# 704
 Delta R.T. 0.006 min
 Lab File: VX040755.D
 Acq: 21 Mar 2024 20:03

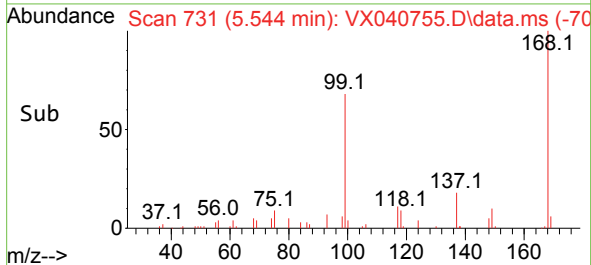
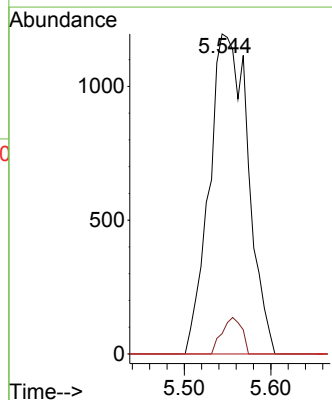
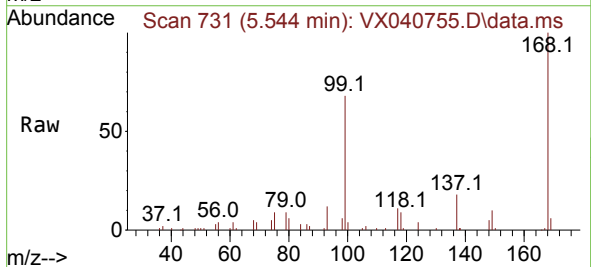
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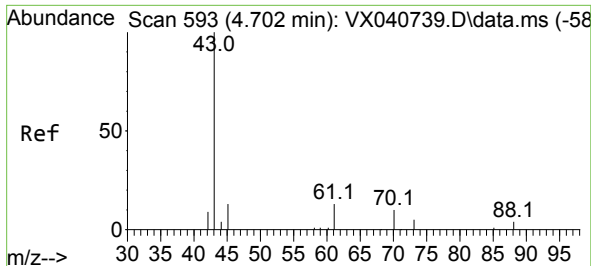
Tgt Ion:113 Resp: 24277
 Ion Ratio Lower Upper
 113 100
 111 103.6 82.9 124.3
 192 18.3 13.3 19.9



#36
 1,1-Dichloropropene
 Concen: 4.736 ug/l
 RT: 5.544 min Scan# 731
 Delta R.T. -0.146 min
 Lab File: VX040755.D
 Acq: 21 Mar 2024 20:03

Tgt Ion: 75 Resp: 3717
 Ion Ratio Lower Upper
 75 100
 110 5.8 17.0 50.9#
 77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 0.971 ug/l

RT: 4.727 min Scan# 593

Delta R.T. 0.024 min

Lab File: VX040755.D

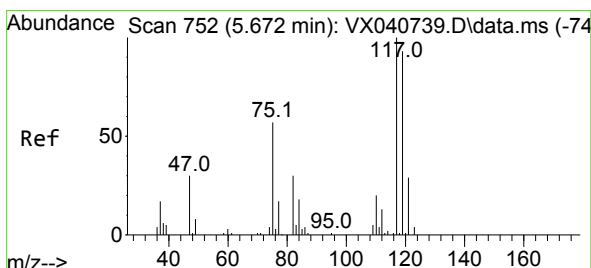
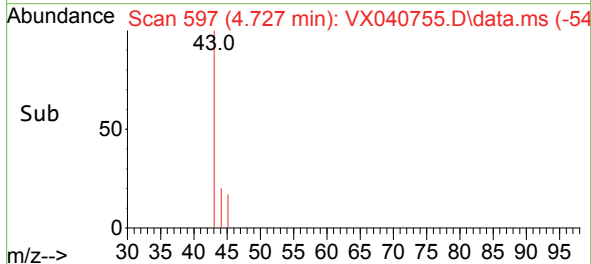
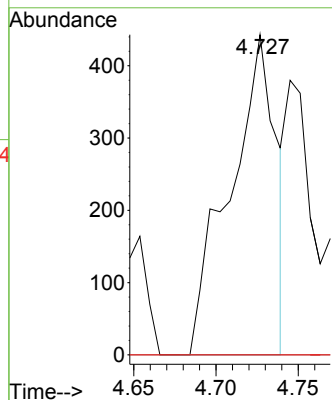
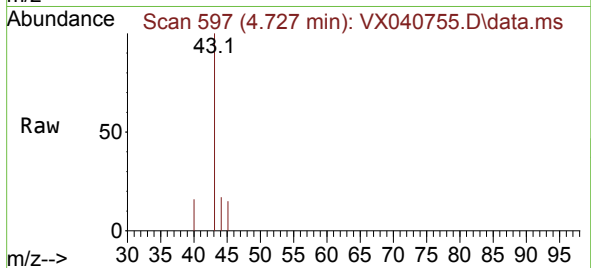
Acq: 21 Mar 2024 20:03

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion: 43	Resp: 865
Ion Ratio	Lower Upper
43	100
61	0.0 10.6 16.0#
70	0.0 8.3 12.5#



#38

Carbon Tetrachloride

Concen: 5.016 ug/l

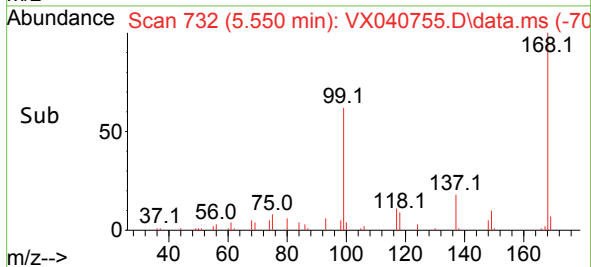
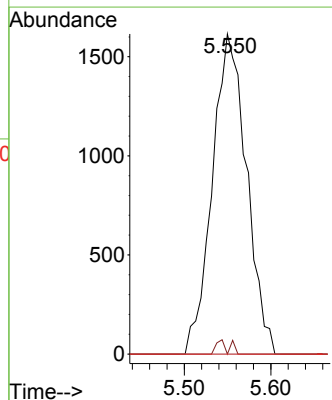
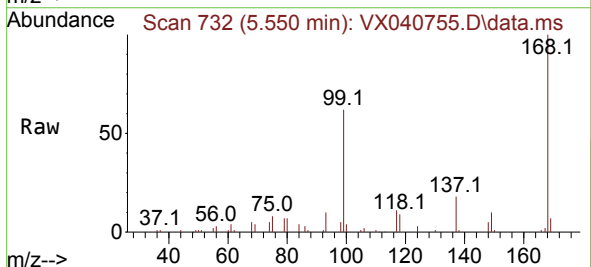
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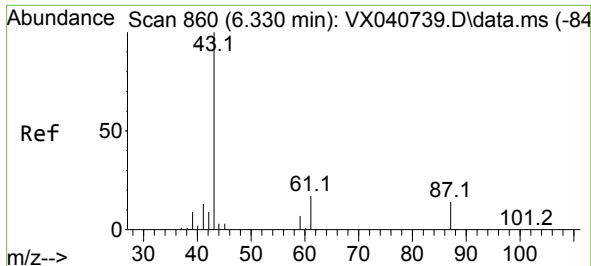
Delta R.T. -0.122 min

Lab File: VX040755.D

Acq: 21 Mar 2024 20:03

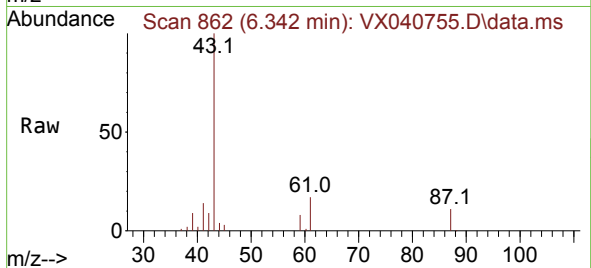
Tgt Ion: 117	Resp: 4431
Ion Ratio	Lower Upper
117	100
119	0.0 78.2 117.2#
121	0.0 24.4 36.6#



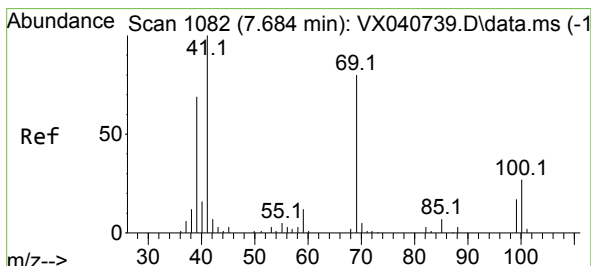
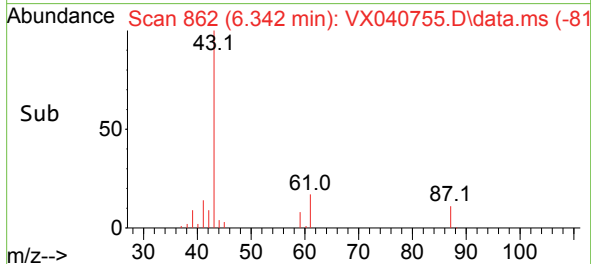
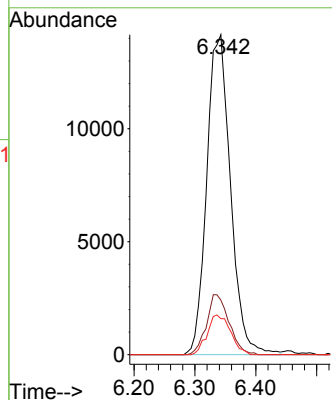


#43
Isopropyl Acetate
Concen: 27.478 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.012 min
Lab File: VX040755.D
Acq: 21 Mar 2024 20:03

Instrument :
MSVOA_X
ClientSampleId :

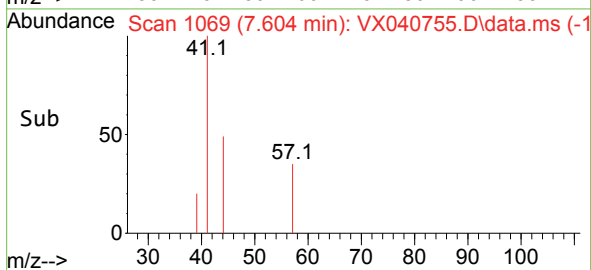
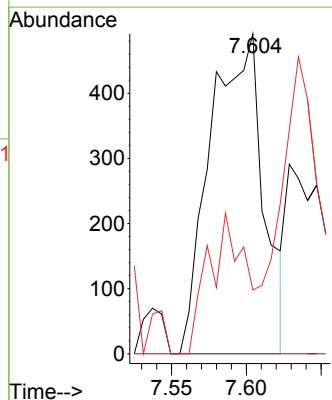
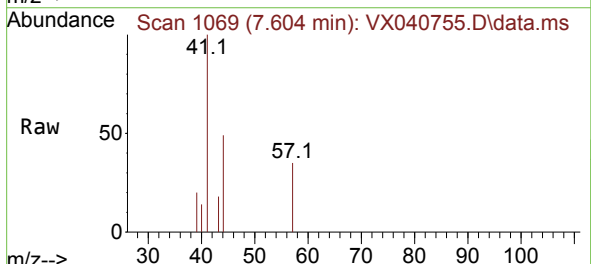


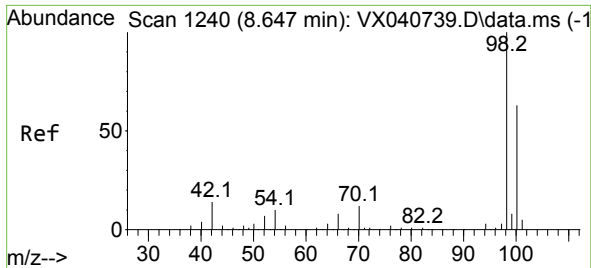
Tgt Ion: 43 Resp: 38457
Ion Ratio Lower Upper
43 100
61 17.7 15.2 22.8
87 12.2 9.8 14.6



#48
Methyl methacrylate
Concen: 1.882 ug/l
RT: 7.604 min Scan# 1069
Delta R.T. -0.079 min
Lab File: VX040755.D
Acq: 21 Mar 2024 20:03

Tgt Ion: 41 Resp: 1204
Ion Ratio Lower Upper
41 100
69 0.0 59.2 88.8#
39 0.0 47.7 71.5#

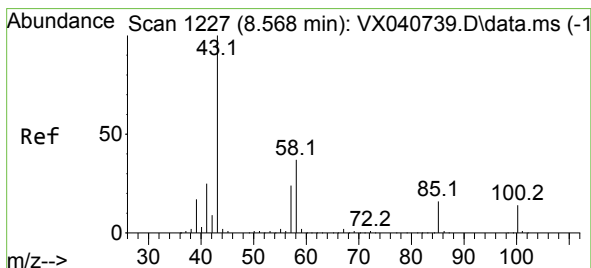
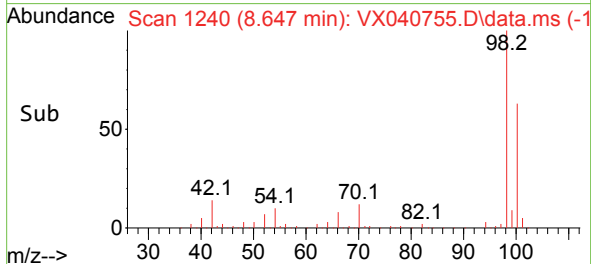
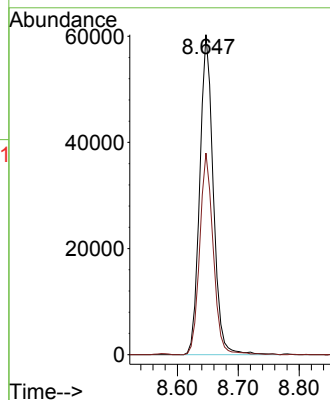
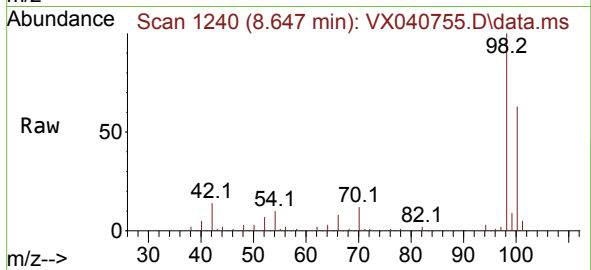




#50
Toluene-d8
Concen: 51.005 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX040755.D
Acq: 21 Mar 2024 20:03

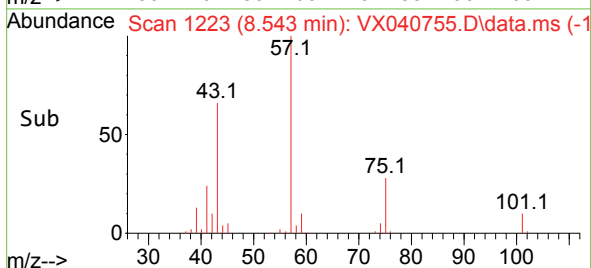
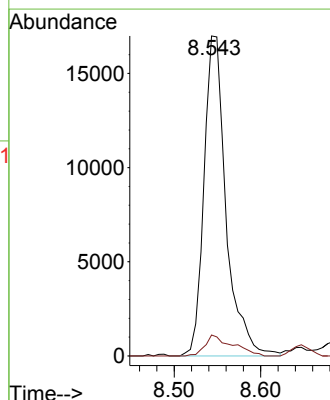
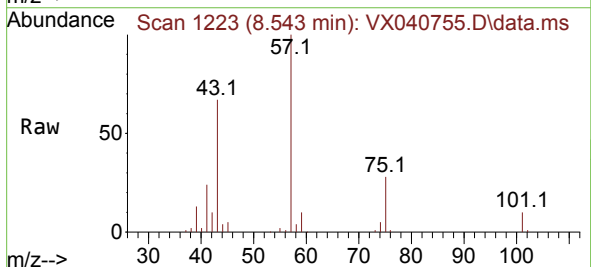
Instrument :
MSVOA_X
ClientSampleId :

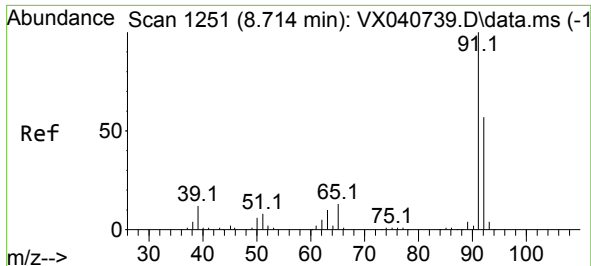
Tgt Ion: 98 Resp: 93097
Ion Ratio Lower Upper
98 100
100 63.0 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 34.775 ug/l
RT: 8.543 min Scan# 1223
Delta R.T. -0.024 min
Lab File: VX040755.D
Acq: 21 Mar 2024 20:03

Tgt Ion: 43 Resp: 30182
Ion Ratio Lower Upper
43 100
58 8.1 30.4 45.6#





#52

Toluene

Concen: 0.252 ug/l

RT: 8.726 min Scan# 11

Delta R.T. 0.012 min

Lab File: VX040755.D

Acq: 21 Mar 2024 20:03

Instrument :

MSVOA_X

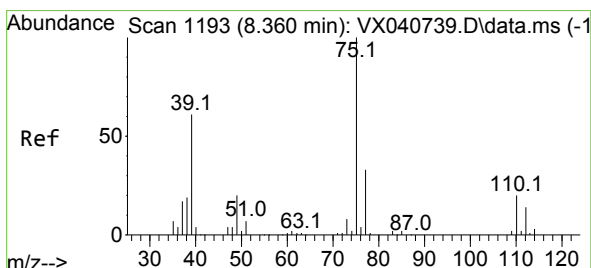
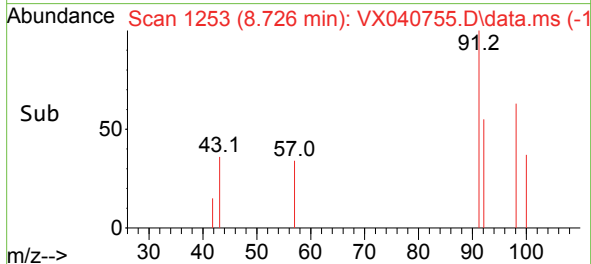
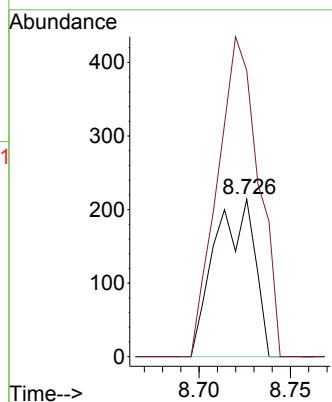
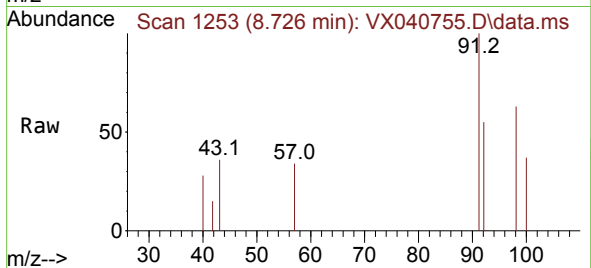
ClientSampleId :

Tgt Ion: 92 Resp: 326

Ion Ratio Lower Upper

92 100

91 208.9 134.2 201.2#



#54

cis-1,3-Dichloropropene

Concen: 12.560 ug/l

RT: 8.543 min Scan# 1223

Delta R.T. 0.183 min

Lab File: VX040755.D

Acq: 21 Mar 2024 20:03

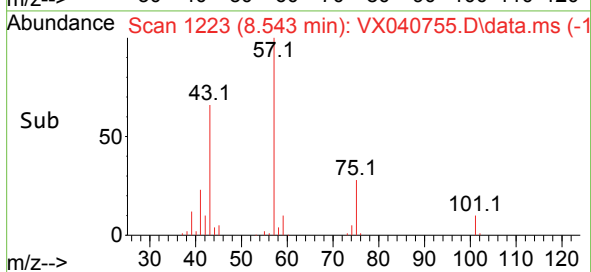
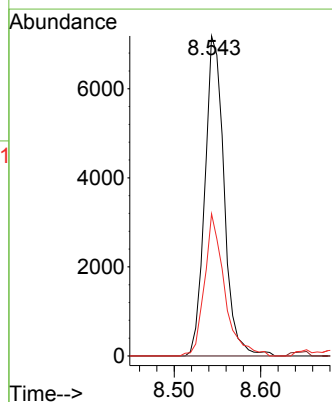
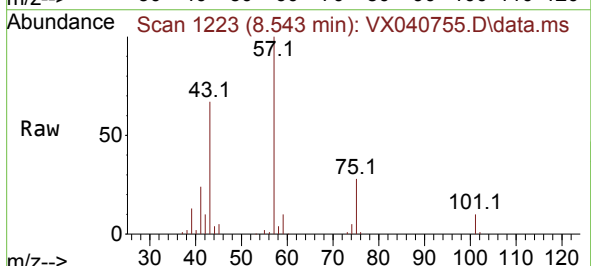
Tgt Ion: 75 Resp: 11058

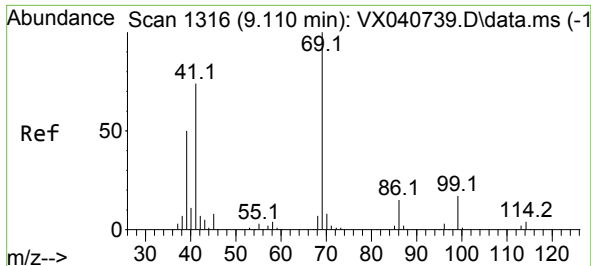
Ion Ratio Lower Upper

75 100

77 0.0 25.3 37.9#

39 44.4 46.7 70.1#

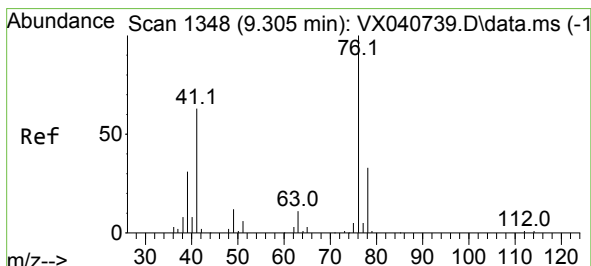
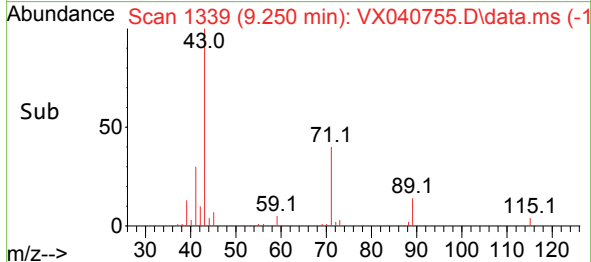
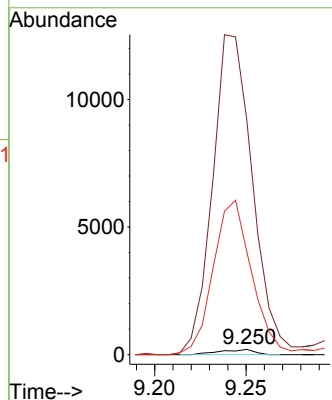
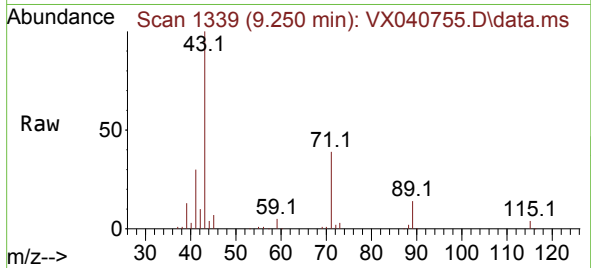




#56
Ethyl methacrylate
Concen: 0.307 ug/l
RT: 9.250 min Scan# 11
Delta R.T. 0.140 min
Lab File: VX040755.D
Acq: 21 Mar 2024 20:03

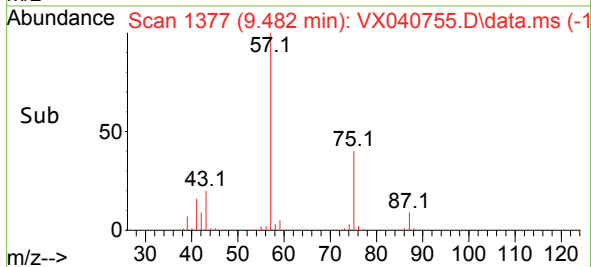
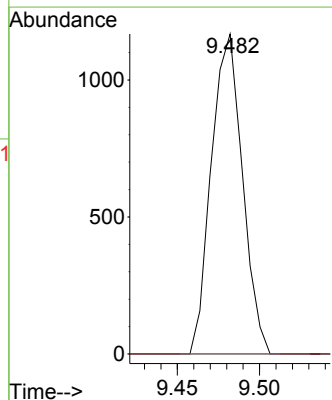
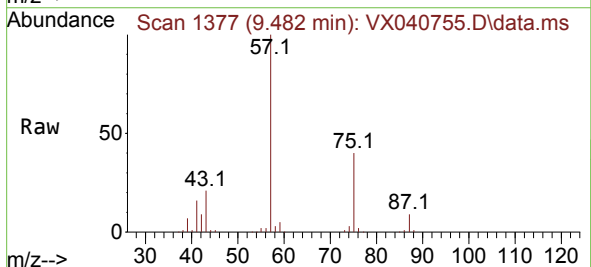
Instrument :
MSVOA_X
ClientSampleId :

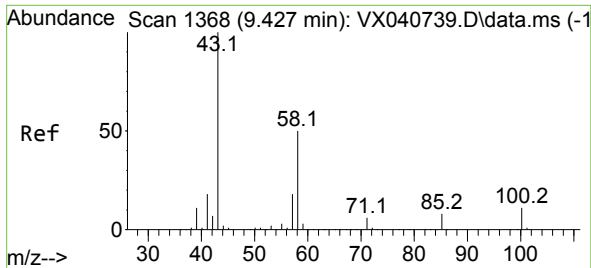
Tgt Ion: 69 Resp: 270
Ion Ratio Lower Upper
69 100
41 7101.9 56.8 85.2#
39 3329.6 32.0 48.0#



#57
1,3-Dichloropropane
Concen: 1.711 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.177 min
Lab File: VX040755.D
Acq: 21 Mar 2024 20:03

Tgt Ion: 76 Resp: 1537
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#

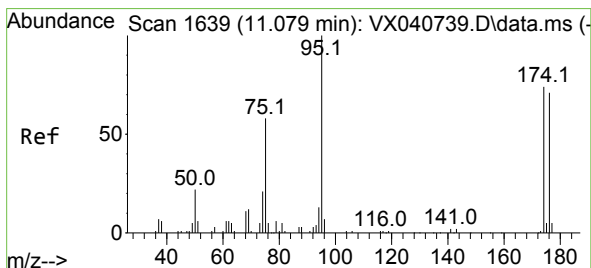
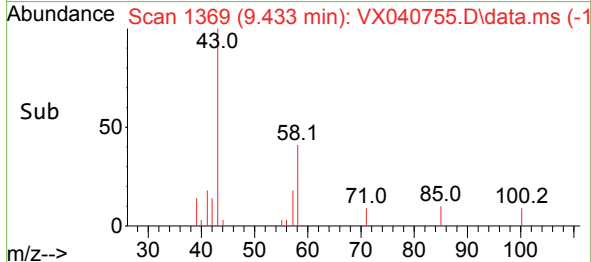
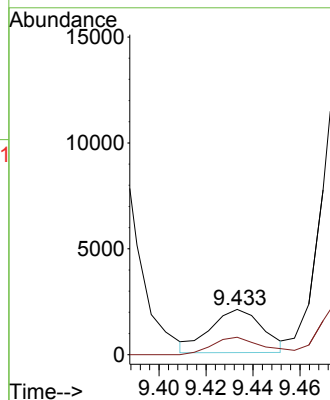
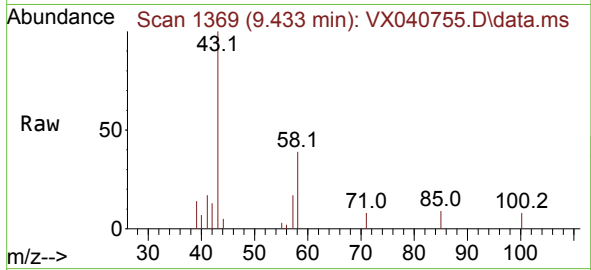




#59
2-Hexanone
Concen: 4.718 ug/l
RT: 9.433 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX040755.D
Acq: 21 Mar 2024 20:03

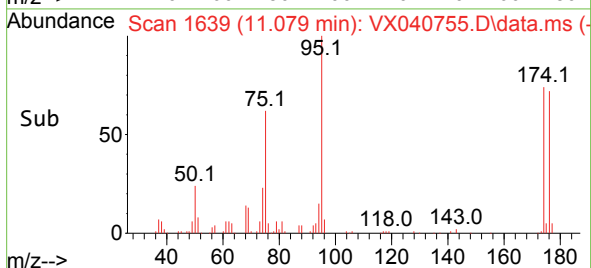
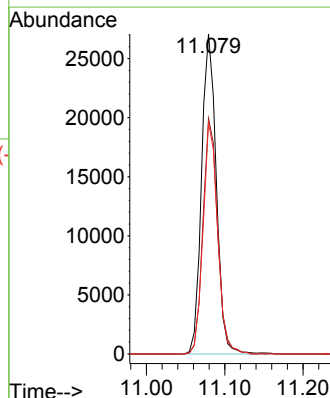
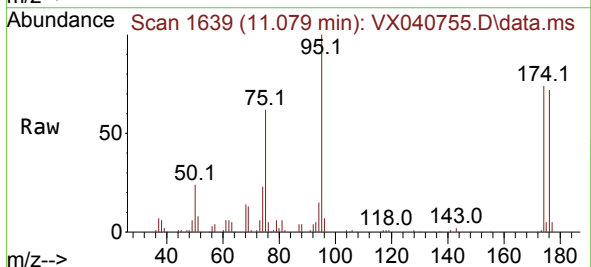
Instrument :
MSVOA_X
ClientSampleId :

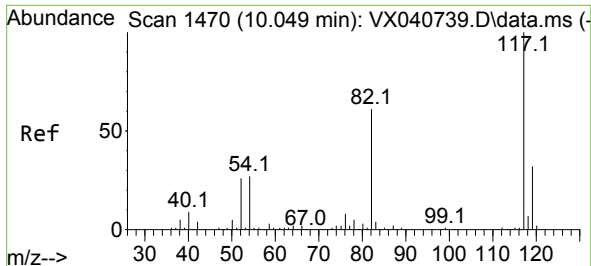
Tgt Ion: 43 Resp: 3172
Ion Ratio Lower Upper
43 100
58 39.8 26.2 78.5



#62
4-Bromofluorobenzene
Concen: 49.028 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX040755.D
Acq: 21 Mar 2024 20:03

Tgt Ion: 95 Resp: 35355
Ion Ratio Lower Upper
95 100
174 73.3 0.0 135.6
176 71.3 0.0 131.0

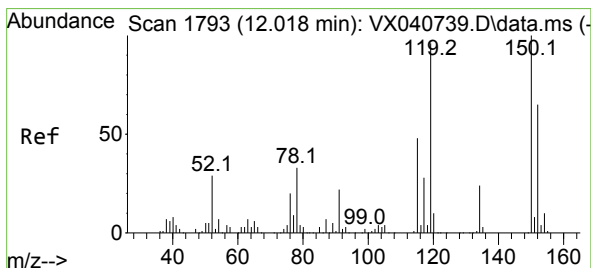
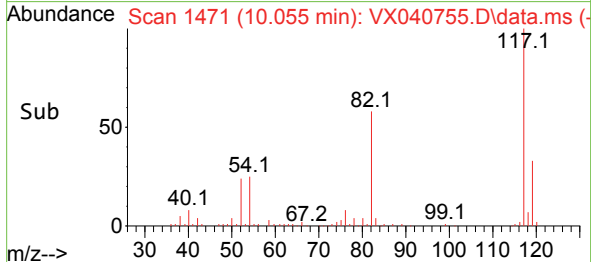
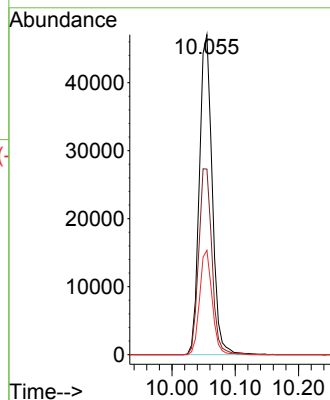
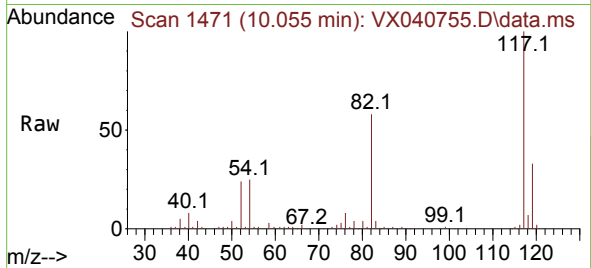




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1470
Delta R.T. 0.006 min
Lab File: VX040755.D
Acq: 21 Mar 2024 20:03

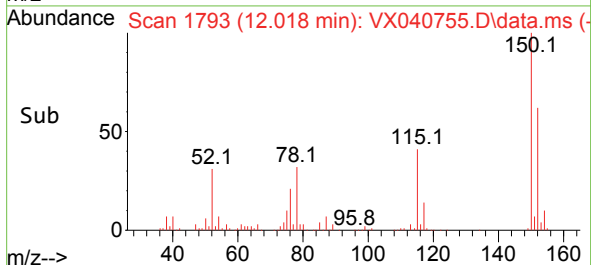
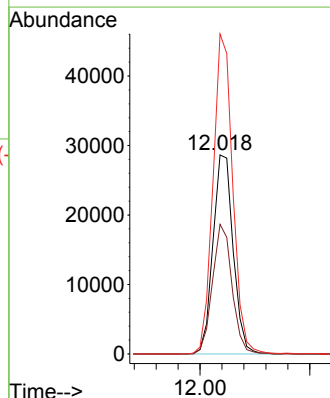
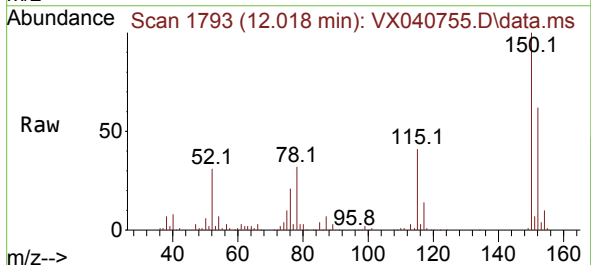
Instrument :
MSVOA_X
ClientSampleId :

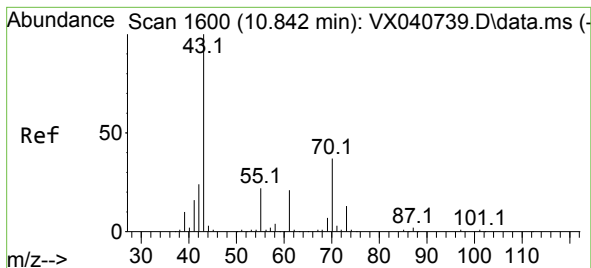
Tgt Ion:117 Resp: 66693
Ion Ratio Lower Upper
117 100
82 58.0 46.2 69.4
119 32.6 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX040755.D
Acq: 21 Mar 2024 20:03

Tgt Ion:152 Resp: 36636
Ion Ratio Lower Upper
152 100
115 63.0 43.3 129.9
150 156.7 0.0 345.0





#74

N-amy1 acetate

Concen: 0.859 ug/l

RT: 10.774 min Scan# 1

Delta R.T. -0.067 min

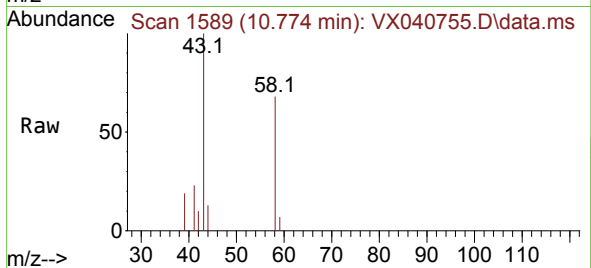
Lab File: VX040755.D

Acq: 21 Mar 2024 20:03

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 43 Resp: 1176

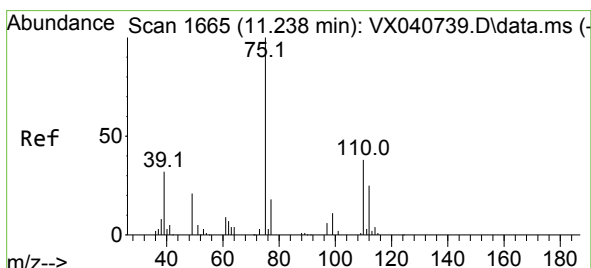
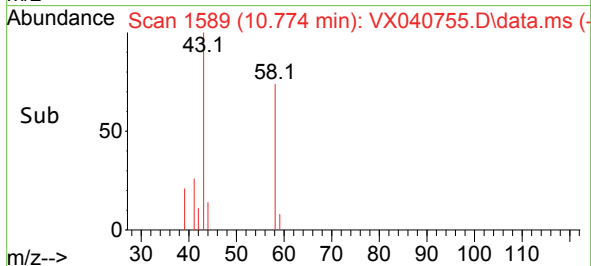
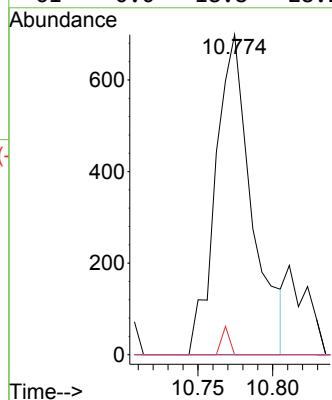
Ion Ratio Lower Upper

43 100

70 0.0 32.9 49.3#

55 2.0 19.3 28.9#

61 0.0 18.8 28.2#



#76

1,2,3-Trichloropropane

Concen: 26.885 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX040755.D

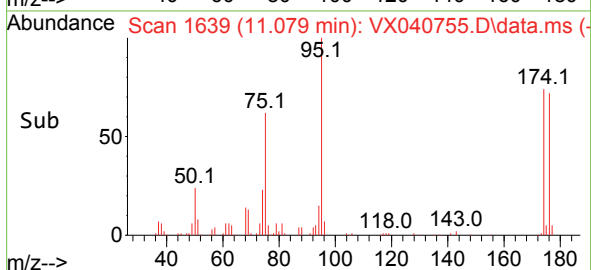
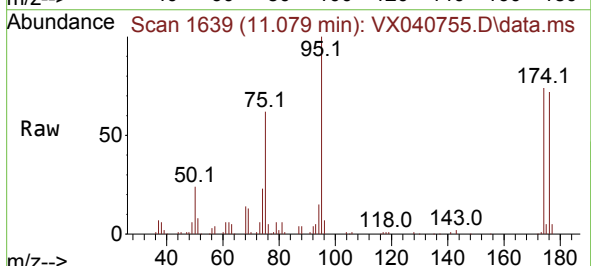
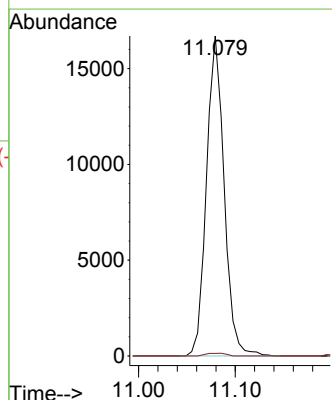
Acq: 21 Mar 2024 20:03

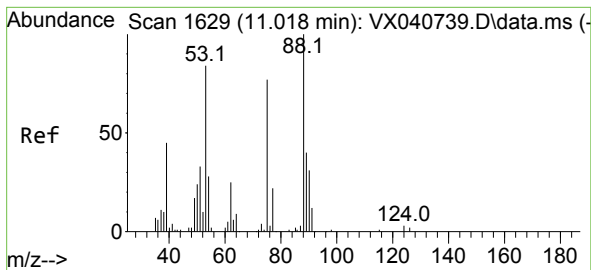
Tgt Ion: 75 Resp: 21184

Ion Ratio Lower Upper

75 100

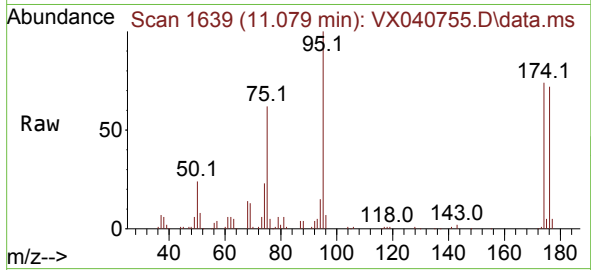
77 1.0 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 68.014 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX040755.D
 Acq: 21 Mar 2024 20:03

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion: 75 Resp: 21184
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.5 135.7#
 89 0.0 36.9 55.3#

