

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032124\
 Data File : VX040762.D
 Acq On : 21 Mar 2024 22:43
 Operator : JC/MD
 Sample : PB159677ZHE#13
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Mar 22 03:03:48 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)

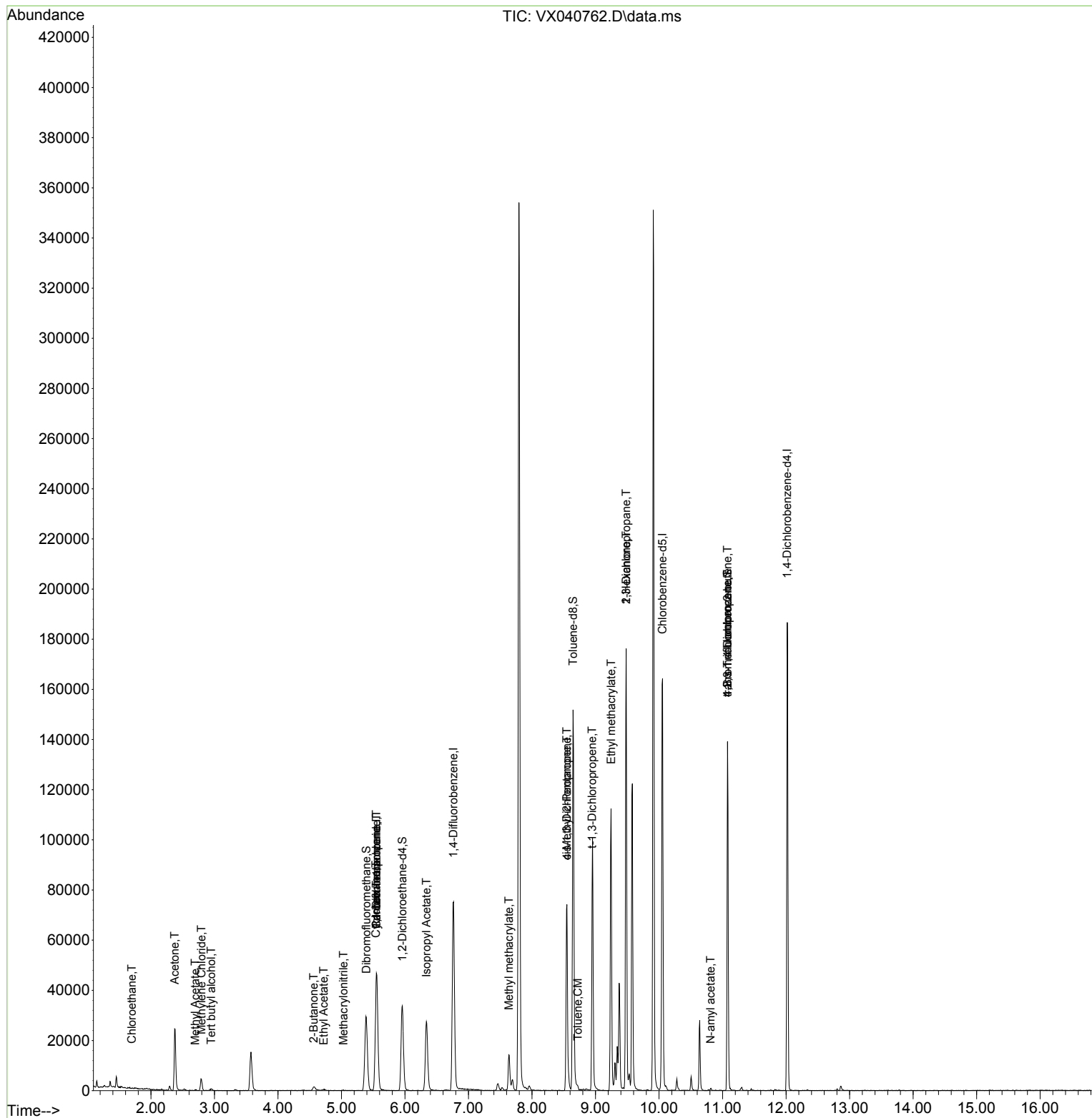
Internal Standards						
1) Pentafluorobenzene	5.549	168	41125	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	73496	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	70016	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	35301	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	34099	49.312	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	98.620%
35) Dibromofluoromethane	5.391	113	24815	45.123	ug/l	0.01
Spiked Amount	50.000	Range	75 - 124	Recovery	=	90.240%
50) Toluene-d8	8.646	98	89062	47.297	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	94.600%
62) 4-Bromofluorobenzene	11.079	95	34693	46.633	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	93.260%
Target Compounds						
					Qvalue	
6) Chloroethane	1.696	64	89	0.246	ug/l #	43
11) Tert butyl alcohol	2.946	59	812	7.333	ug/l #	78
16) Acetone	2.373	43	28571	116.649	ug/l	93
18) Methyl Acetate	2.696	43	539	0.821	ug/l #	62
20) Methylene Chloride	2.794	84	2136	3.990	ug/l	96
25) 2-Butanone	4.562	43	2653	6.915	ug/l	91
31) Cyclohexane	5.543	56	1097	1.335	ug/l #	20
36) 1,1-Dichloropropene	5.549	75	3876	4.787	ug/l #	48
37) Ethyl Acetate	4.720	43	1362	1.481	ug/l #	69
38) Carbon Tetrachloride	5.549	117	4693	5.149	ug/l #	16
41) Methacrylonitrile	5.031	41	96	0.202	ug/l #	25
43) Isopropyl Acetate	6.336	43	39463	27.332	ug/l	97
48) Methyl methacrylate	7.634	41	1120	1.697	ug/l #	51
51) 4-Methyl-2-Pentanone	8.549	43	29833	33.318	ug/l #	46
52) Toluene	8.720	92	292	0.219	ug/l #	71
53) t-1,3-Dichloropropene	8.945	75	206	0.235	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	11075	12.194	ug/l #	64
56) Ethyl methacrylate	9.244	69	268	0.295	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	1310	1.414	ug/l #	42
59) 2-Hexanone	9.482	43	21287	30.689	ug/l #	53
74) N-amyl acetate	10.811	43	299	0.227	ug/l #	44
76) 1,2,3-Trichloropropane	11.079	75	19802	26.082	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	19802	65.981	ug/l #	5

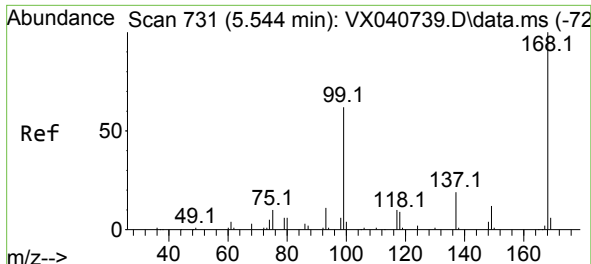
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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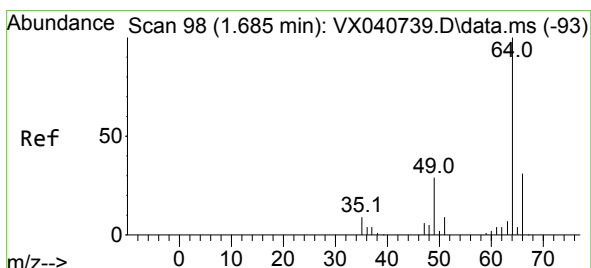
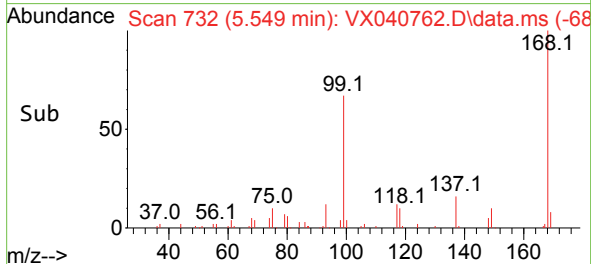
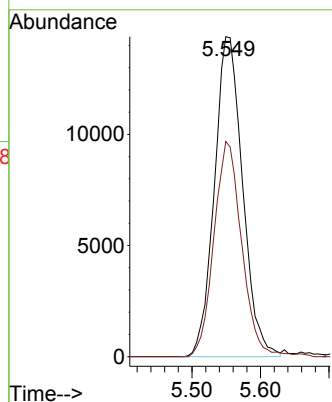
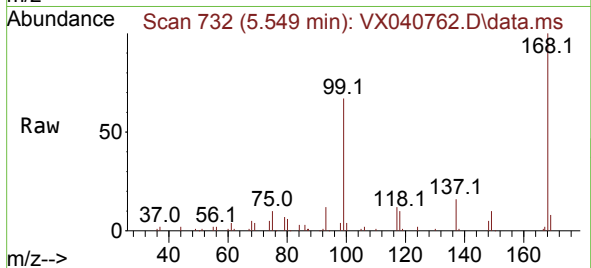




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.549 min Scan# 71
Delta R.T. 0.005 min
Lab File: VX040762.D
Acq: 21 Mar 2024 22:43

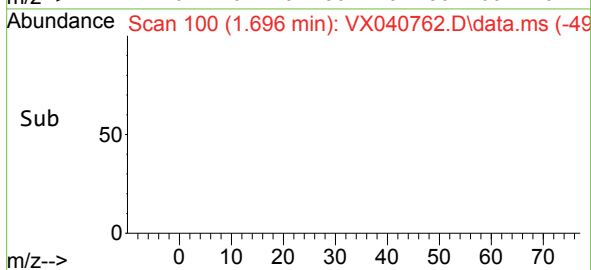
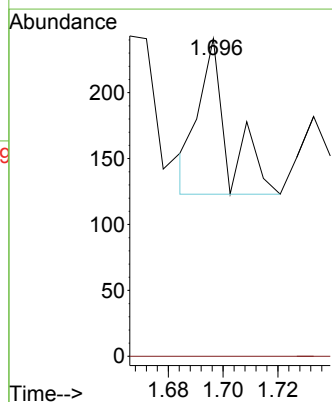
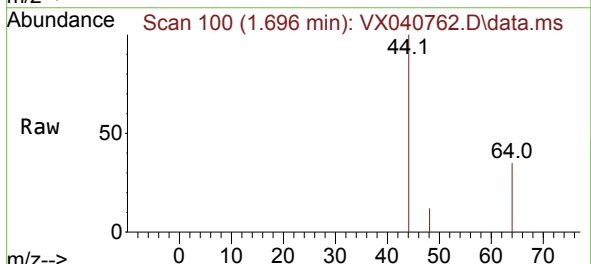
Instrument :
MSVOA_X
ClientSampleId :

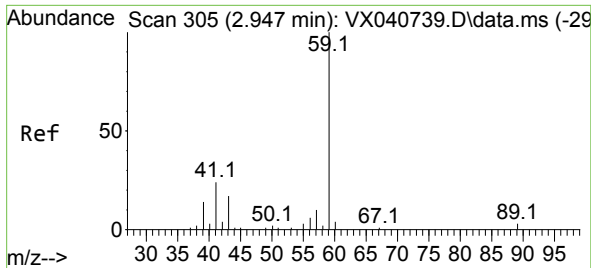
Tgt Ion:168 Resp: 41125
Ion Ratio Lower Upper
168 100
99 67.3 56.6 85.0



#6
Chloroethane
Concen: 0.246 ug/l
RT: 1.696 min Scan# 100
Delta R.T. 0.011 min
Lab File: VX040762.D
Acq: 21 Mar 2024 22:43

Tgt Ion: 64 Resp: 89
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#

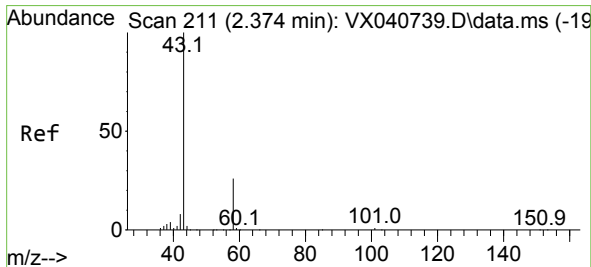
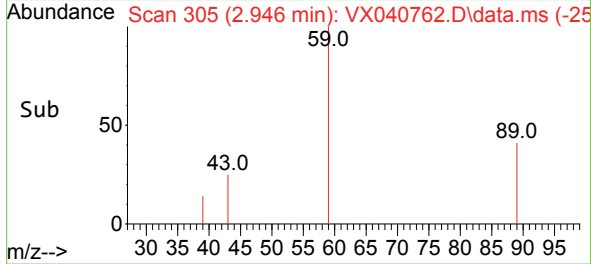
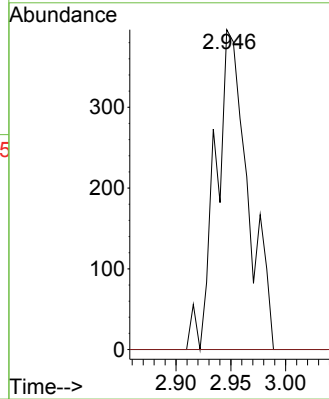
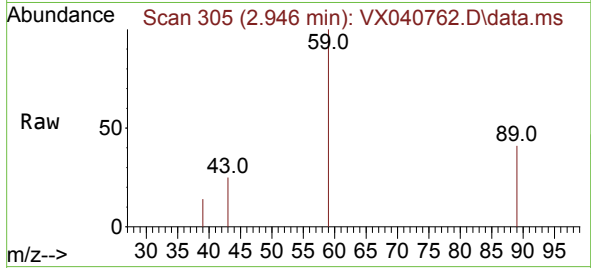




#11
Tert butyl alcohol
Concen: 7.333 ug/l
RT: 2.946 min Scan# 305
Delta R.T. -0.001 min
Lab File: VX040762.D
Acq: 21 Mar 2024 22:43

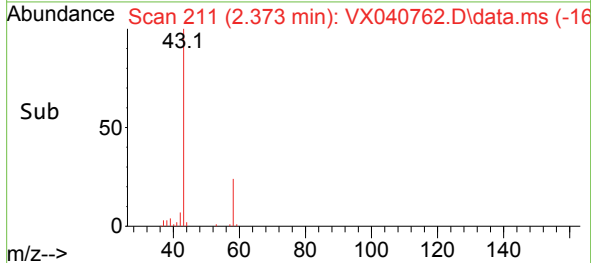
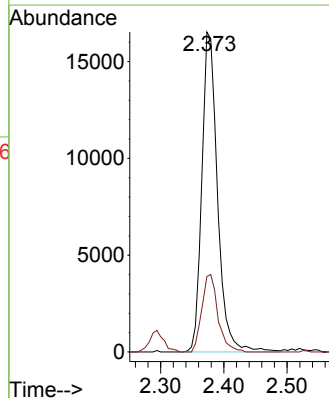
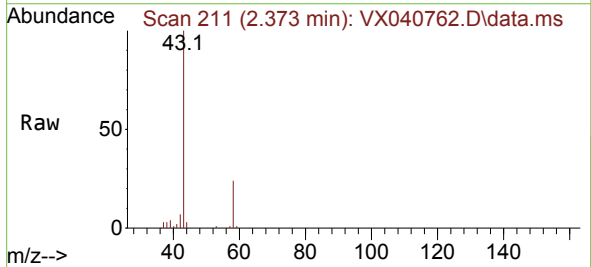
Instrument :
MSVOA_X
ClientSampleId :

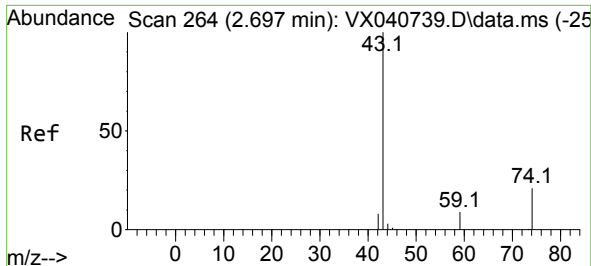
Tgt Ion: 59 Resp: 812
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#



#16
Acetone
Concen: 116.649 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.001 min
Lab File: VX040762.D
Acq: 21 Mar 2024 22:43

Tgt Ion: 43 Resp: 28571
Ion Ratio Lower Upper
43 100
58 23.6 21.9 32.9

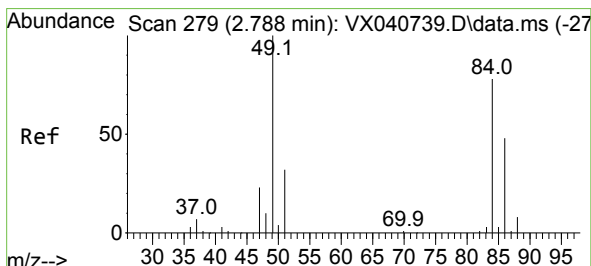
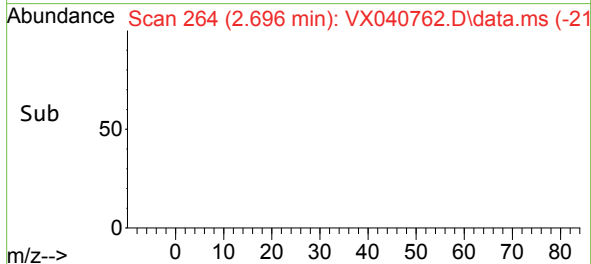
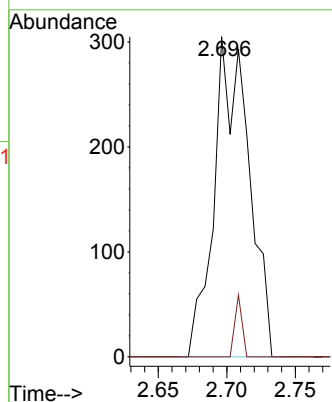
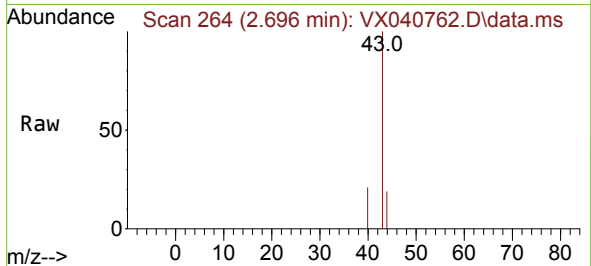




#18
Methyl Acetate
Concen: 0.821 ug/l
RT: 2.696 min Scan# 21
Delta R.T. -0.001 min
Lab File: VX040762.D
Acq: 21 Mar 2024 22:43

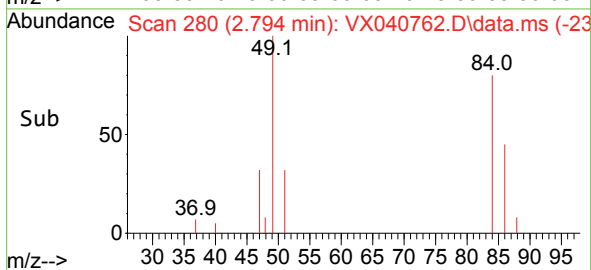
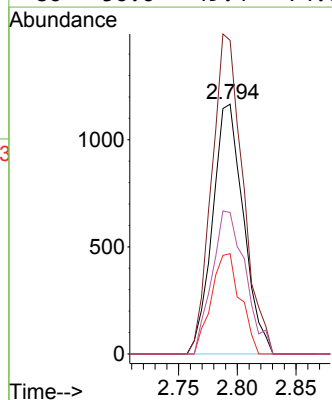
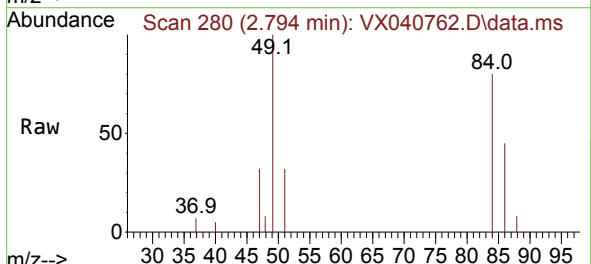
Instrument :
MSVOA_X
ClientSampleId :

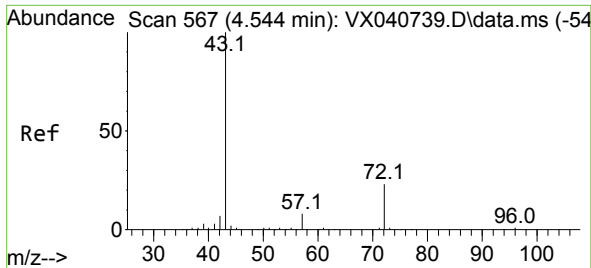
Tgt Ion: 43 Resp: 539
Ion Ratio Lower Upper
43 100
74 4.1 17.8 26.8#



#20
Methylene Chloride
Concen: 3.990 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX040762.D
Acq: 21 Mar 2024 22:43

Tgt Ion: 84 Resp: 2136
Ion Ratio Lower Upper
84 100
49 125.6 103.6 155.4
51 40.1 33.8 50.6
86 56.6 49.4 74.0

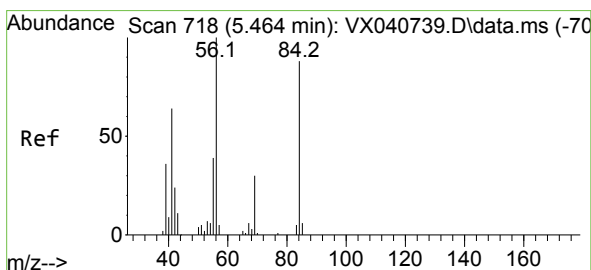
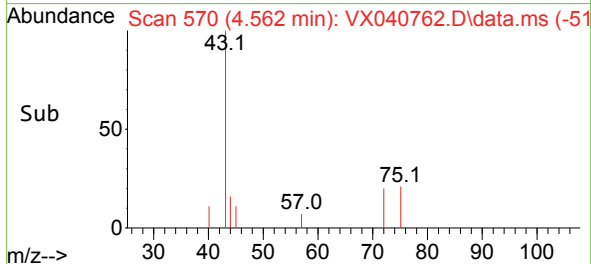
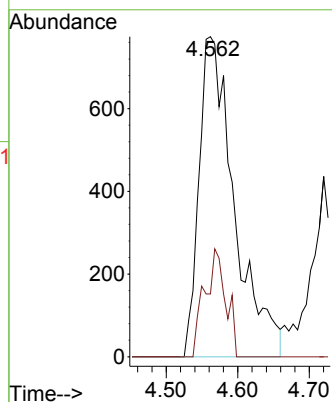
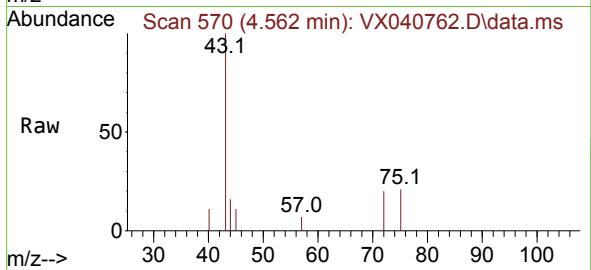




#25
2-Butanone
Concen: 6.915 ug/l
RT: 4.562 min Scan# 51
Delta R.T. 0.018 min
Lab File: VX040762.D
Acq: 21 Mar 2024 22:43

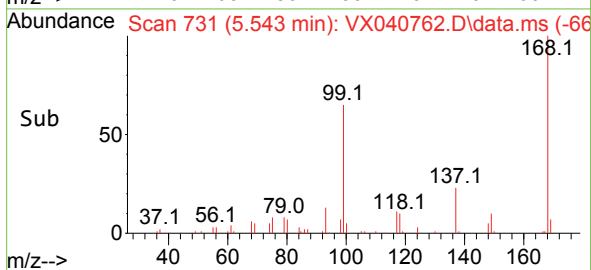
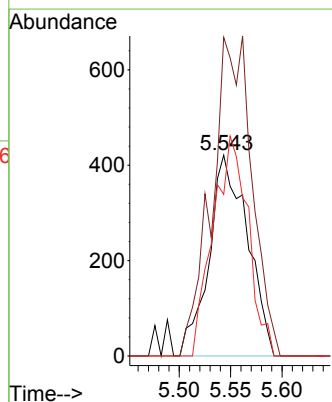
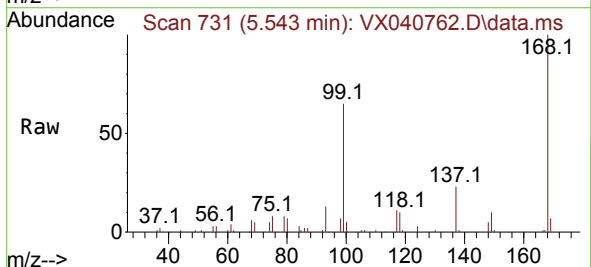
Instrument :
MSVOA_X
ClientSampleId :

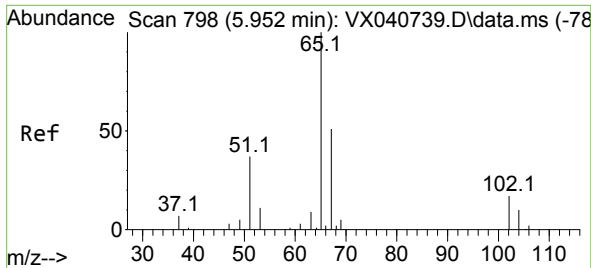
Tgt Ion: 43 Resp: 2653
Ion Ratio Lower Upper
43 100
72 19.6 19.4 29.2



#31
Cyclohexane
Concen: 1.335 ug/l
RT: 5.543 min Scan# 731
Delta R.T. 0.079 min
Lab File: VX040762.D
Acq: 21 Mar 2024 22:43

Tgt Ion: 56 Resp: 1097
Ion Ratio Lower Upper
56 100
69 158.7 23.4 35.2#
84 103.1 65.9 98.9#

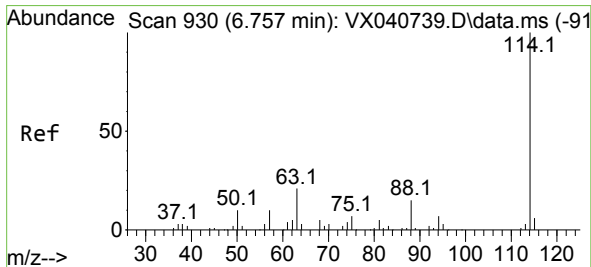
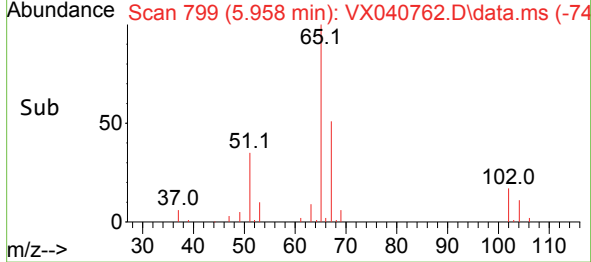
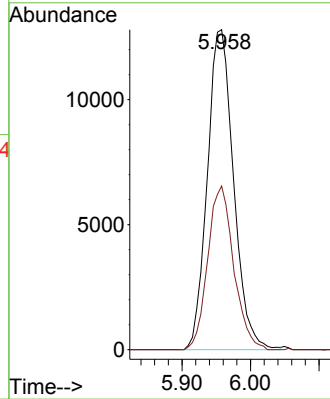
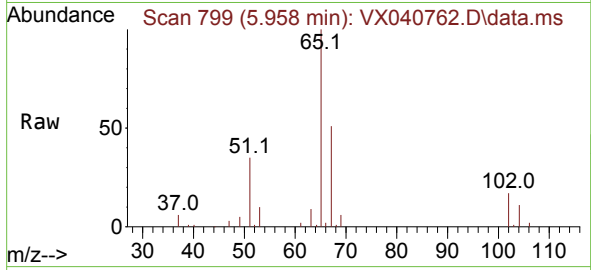




#33
 1,2-Dichloroethane-d4
 Concen: 49.312 ug/l
 RT: 5.958 min Scan# 798
 Delta R.T. 0.006 min
 Lab File: VX040762.D
 Acq: 21 Mar 2024 22:43

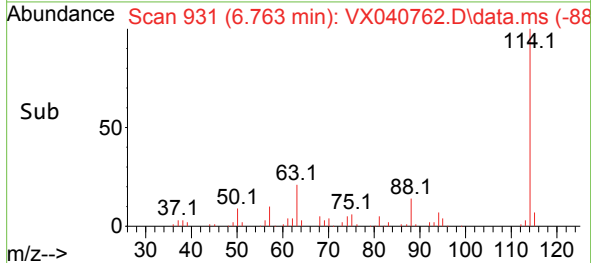
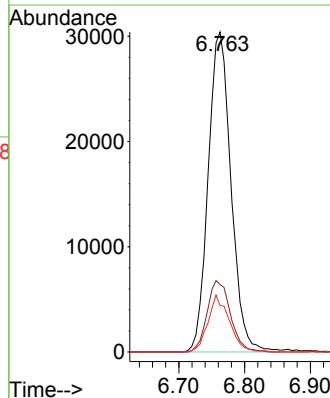
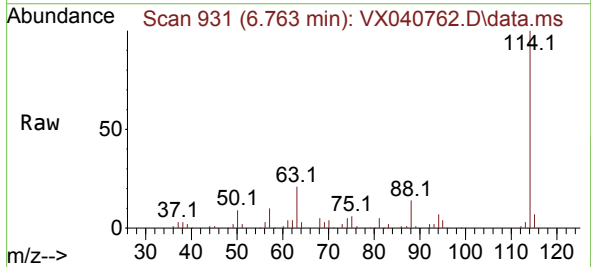
Instrument :
 MSVOA_X
 ClientSampleId :

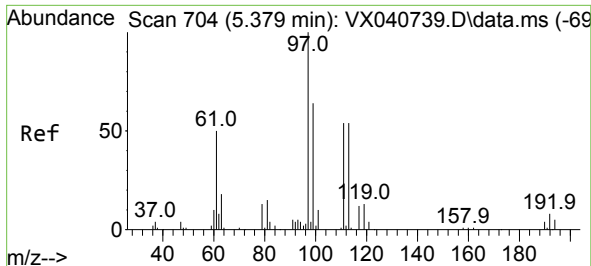
Tgt Ion: 65 Resp: 34099
 Ion Ratio Lower Upper
 65 100
 67 50.5 0.0 100.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.763 min Scan# 931
 Delta R.T. 0.006 min
 Lab File: VX040762.D
 Acq: 21 Mar 2024 22:43

Tgt Ion: 114 Resp: 73496
 Ion Ratio Lower Upper
 114 100
 63 21.1 0.0 45.0
 88 14.5 0.0 36.6

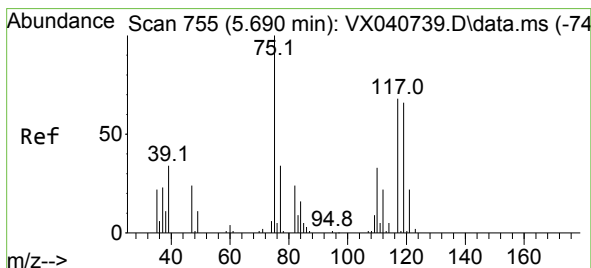
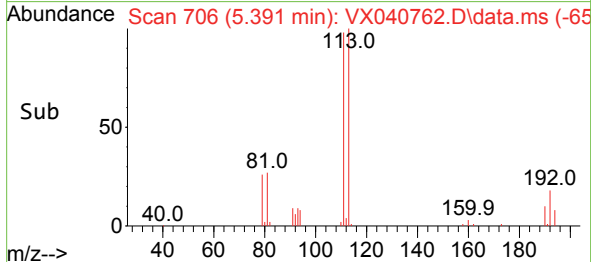
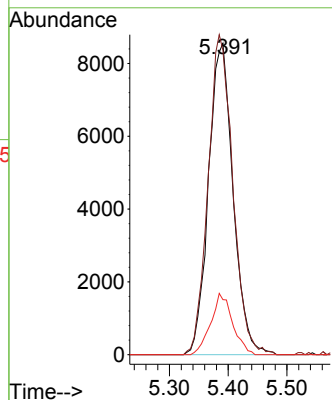
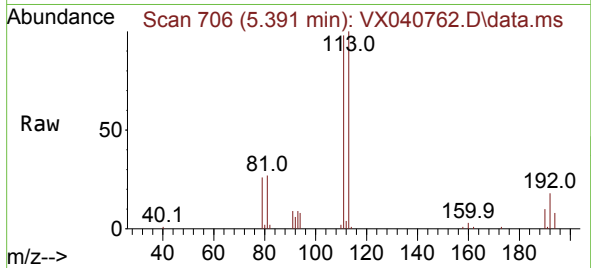




#35
Dibromofluoromethane
Concen: 45.123 ug/l
RT: 5.391 min Scan# 704
Delta R.T. 0.012 min
Lab File: VX040762.D
Acq: 21 Mar 2024 22:43

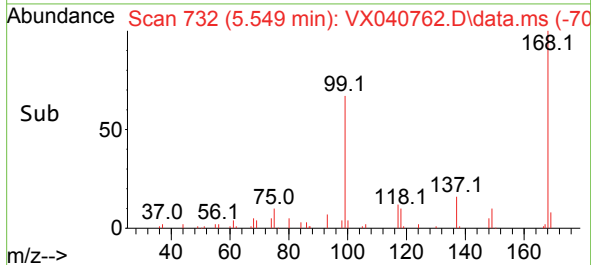
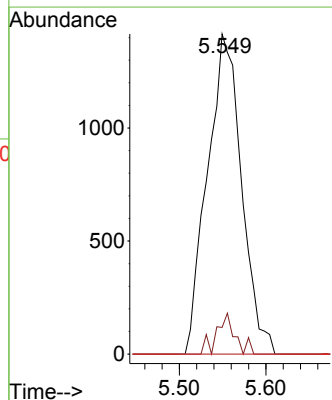
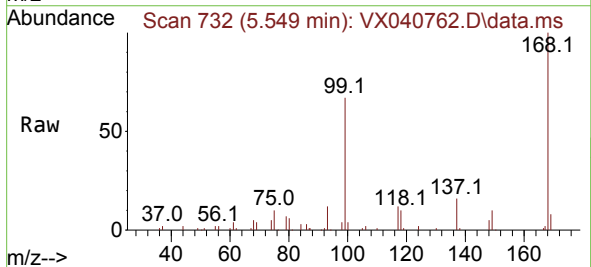
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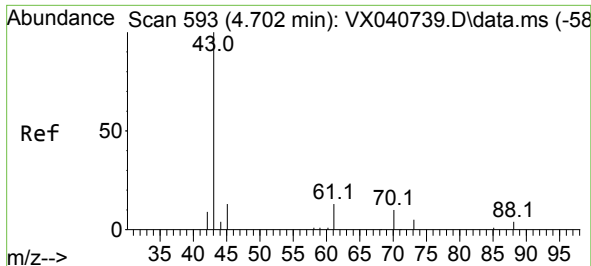
Tgt Ion:113 Resp: 24815
Ion Ratio Lower Upper
113 100
111 103.3 82.9 124.3
192 17.6 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.787 ug/l
RT: 5.549 min Scan# 732
Delta R.T. -0.141 min
Lab File: VX040762.D
Acq: 21 Mar 2024 22:43

Tgt Ion: 75 Resp: 3876
Ion Ratio Lower Upper
75 100
110 6.9 17.0 50.9#
77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 1.481 ug/l

RT: 4.720 min Scan# 593

Delta R.T. 0.018 min

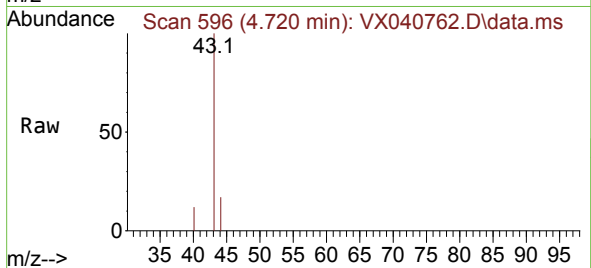
Lab File: VX040762.D

Acq: 21 Mar 2024 22:43

Instrument :

MSVOA_X

ClientSampleId :



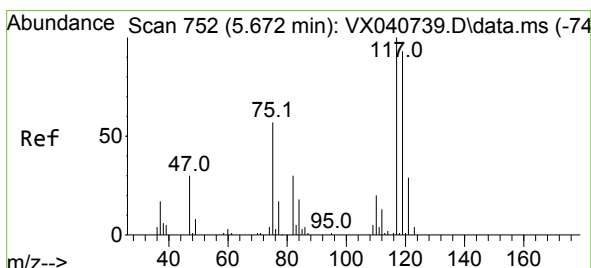
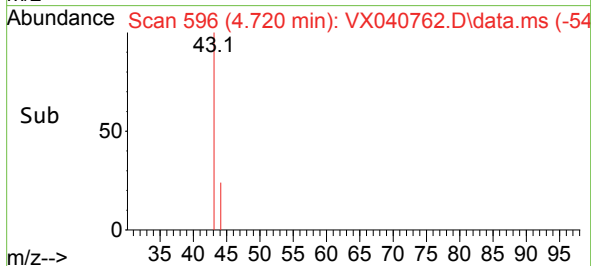
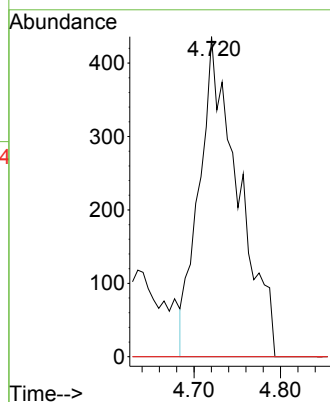
Tgt Ion: 43 Resp: 1362

Ion Ratio Lower Upper

43 100

61 0.0 10.6 16.0#

70 0.0 8.3 12.5#



#38

Carbon Tetrachloride

Concen: 5.149 ug/l

RT: 5.549 min Scan# 732

Delta R.T. -0.122 min

Lab File: VX040762.D

Acq: 21 Mar 2024 22:43

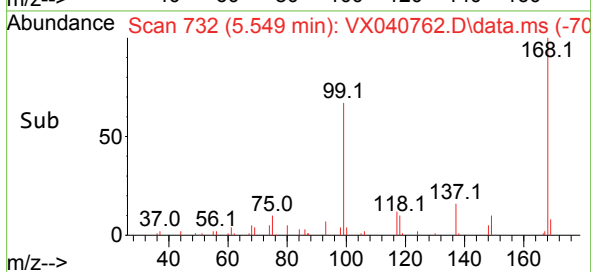
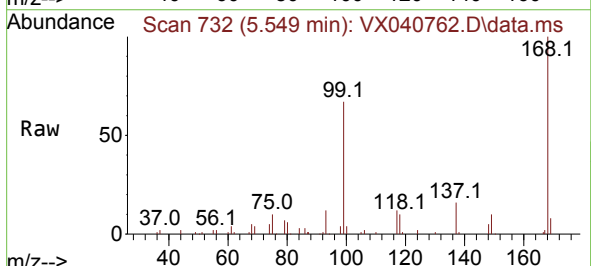
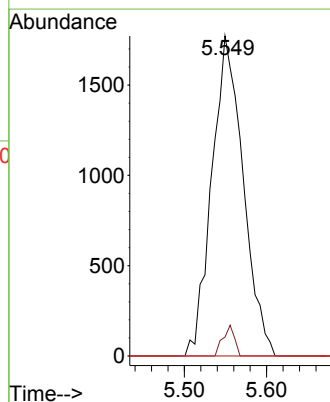
Tgt Ion: 117 Resp: 4693

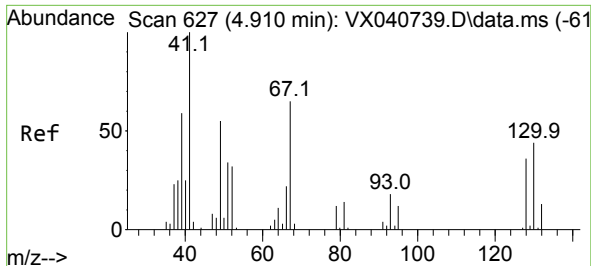
Ion Ratio Lower Upper

117 100

119 5.9 78.2 117.2#

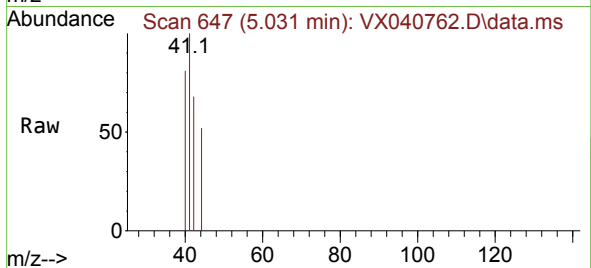
121 0.0 24.4 36.6#



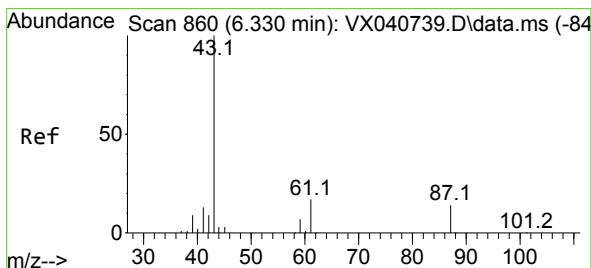
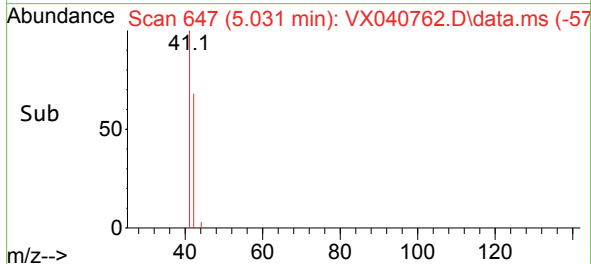
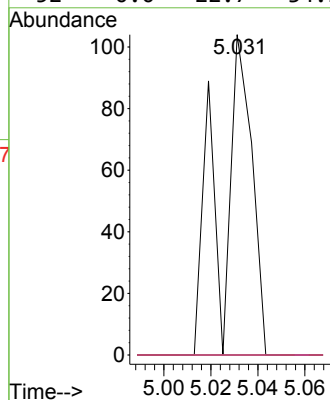


#41
Methacrylonitrile
Concen: 0.202 ug/l
RT: 5.031 min Scan# 647
Delta R.T. 0.121 min
Lab File: VX040762.D
Acq: 21 Mar 2024 22:43

Instrument :
MSVOA_X
ClientSampleId :

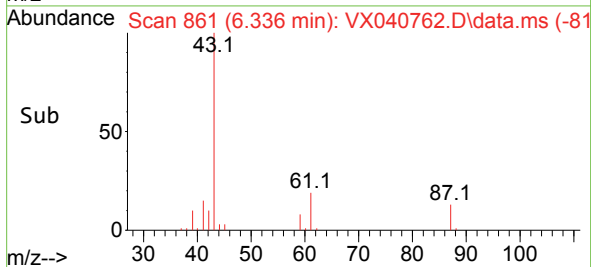
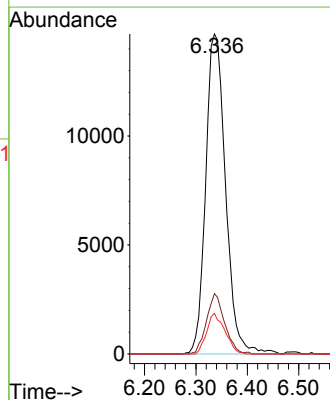
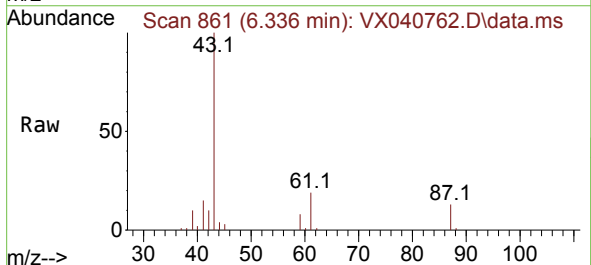


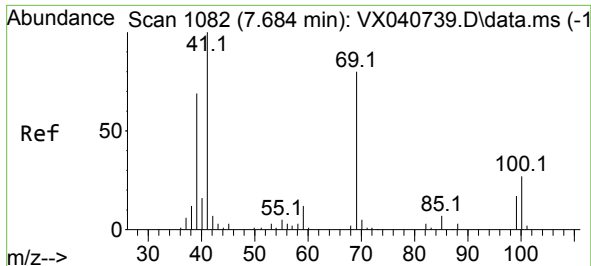
Tgt Ion:	41	Resp:	96
Ion	Ratio	Lower	Upper
41	100		
39	0.0	45.2	67.8#
67	0.0	52.6	78.8#
52	0.0	22.7	34.1#



#43
Isopropyl Acetate
Concen: 27.332 ug/l
RT: 6.336 min Scan# 861
Delta R.T. 0.006 min
Lab File: VX040762.D
Acq: 21 Mar 2024 22:43

Tgt Ion:	43	Resp:	39463
Ion	Ratio	Lower	Upper
43	100		
61	17.2	15.2	22.8
87	11.6	9.8	14.6





#48

Methyl methacrylate

Concen: 1.697 ug/l

RT: 7.634 min Scan# 1082

Delta R.T. -0.049 min

Lab File: VX040762.D

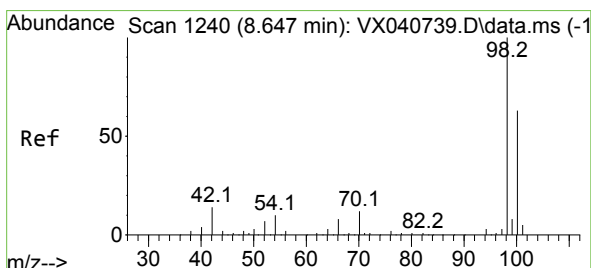
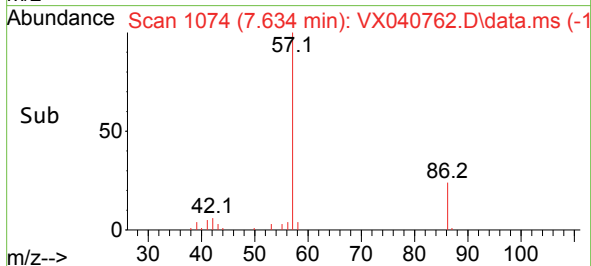
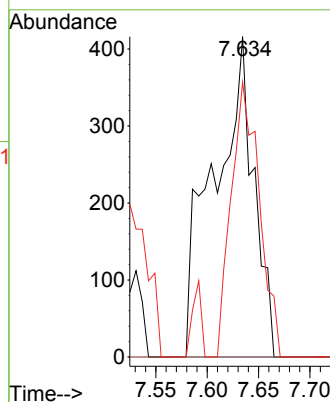
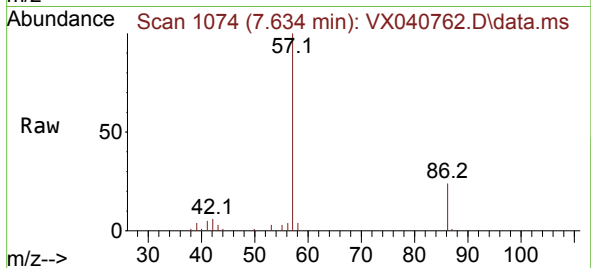
Acq: 21 Mar 2024 22:43

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion: 41	Resp: 1120
Ion Ratio	Lower Upper
41	100
69	0.0 59.2 88.8#
39	60.7 47.7 71.5



#50

Toluene-d8

Concen: 47.297 ug/l

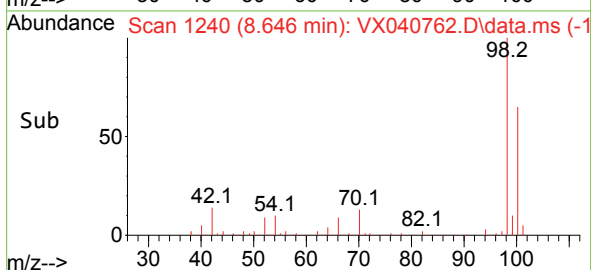
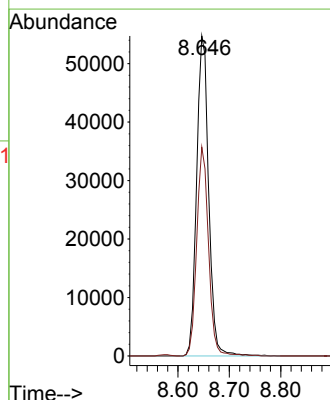
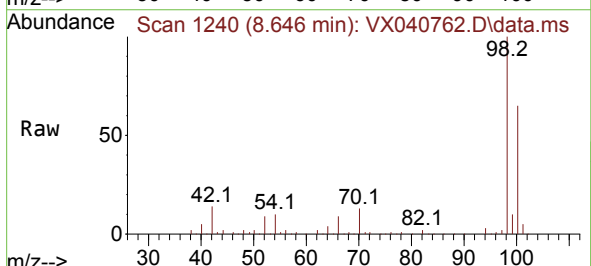
RT: 8.646 min Scan# 1240

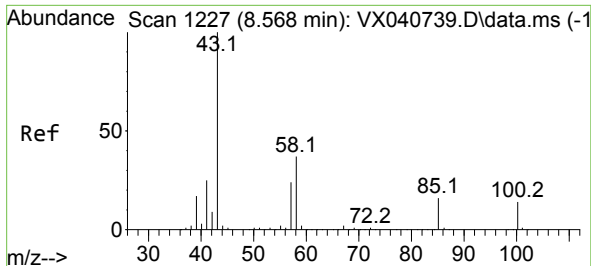
Delta R.T. -0.000 min

Lab File: VX040762.D

Acq: 21 Mar 2024 22:43

Tgt Ion: 98	Resp: 89062
Ion Ratio	Lower Upper
98	100
100	64.1 53.1 79.7





#51

4-Methyl-2-Pentanone

Concen: 33.318 ug/l

RT: 8.549 min Scan# 11

Delta R.T. -0.019 min

Lab File: VX040762.D

Acq: 21 Mar 2024 22:43

Instrument :

MSVOA_X

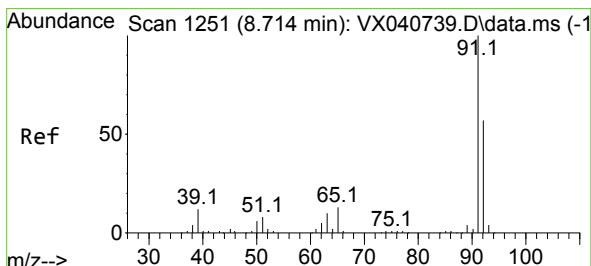
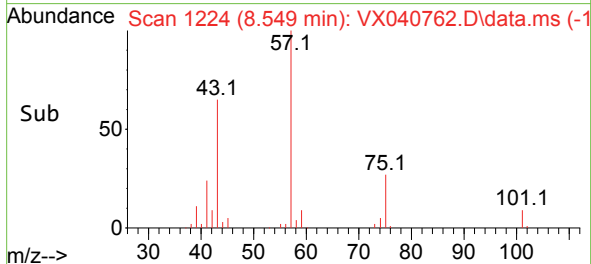
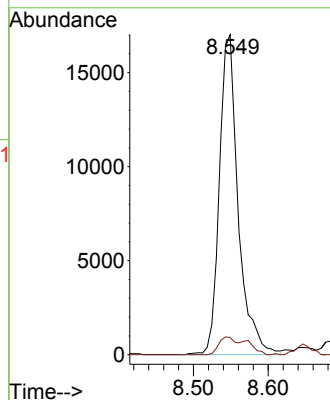
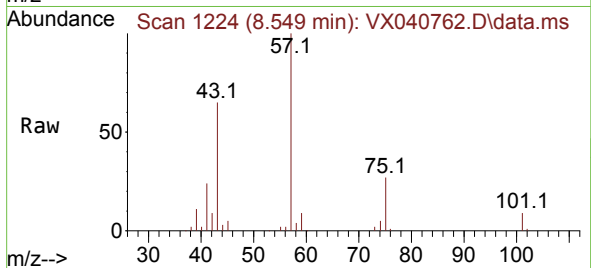
ClientSampleId :

Tgt Ion: 43 Resp: 29833

Ion Ratio Lower Upper

43 100

58 5.3 30.4 45.6#



#52

Toluene

Concen: 0.219 ug/l

RT: 8.720 min Scan# 1252

Delta R.T. 0.006 min

Lab File: VX040762.D

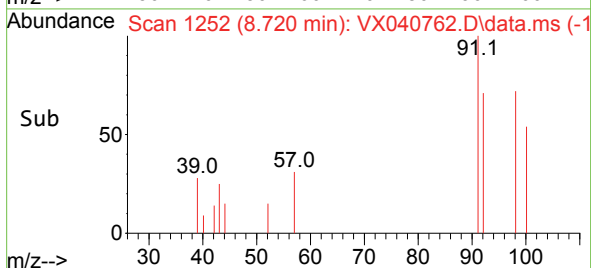
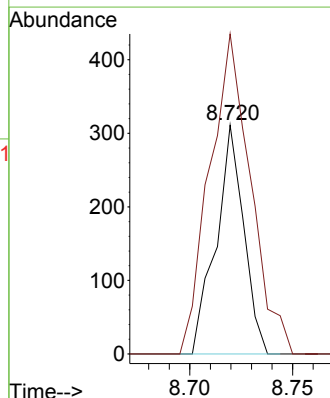
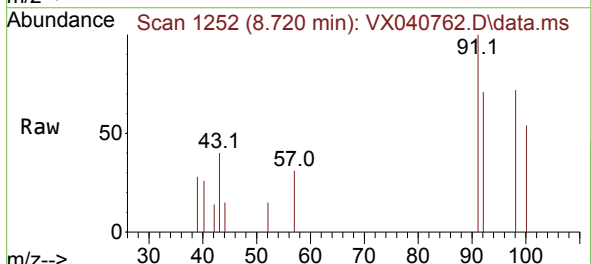
Acq: 21 Mar 2024 22:43

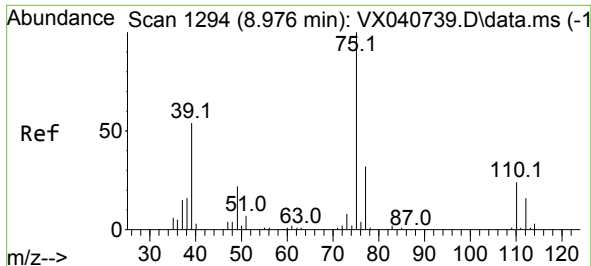
Tgt Ion: 92 Resp: 292

Ion Ratio Lower Upper

92 100

91 206.5 134.2 201.2#

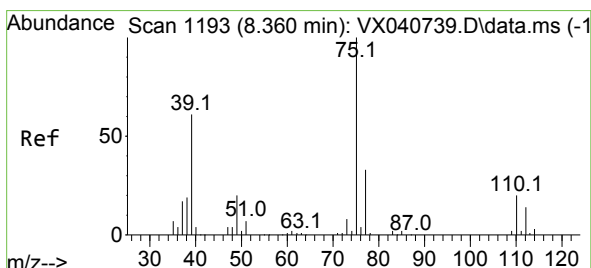
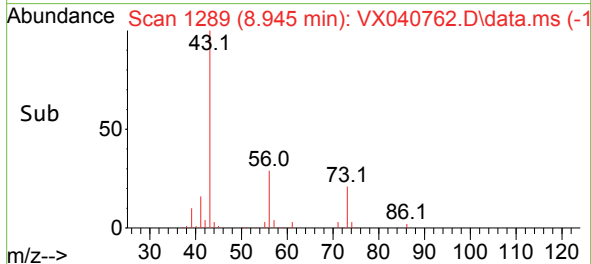
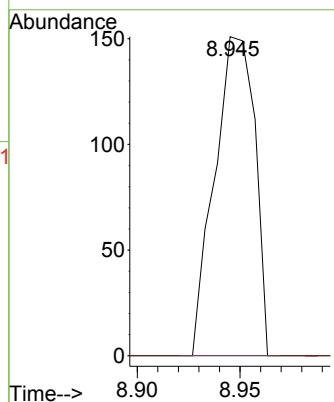
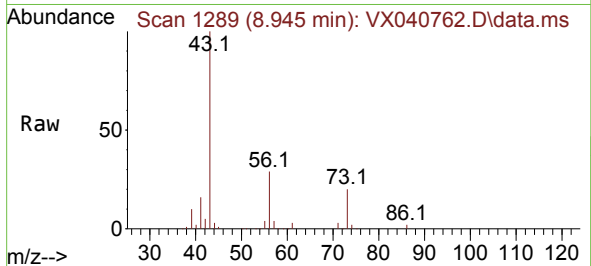




#53
 t-1,3-Dichloropropene
 Concen: 0.235 ug/l
 RT: 8.945 min Scan# 1124
 Delta R.T. -0.031 min
 Lab File: VX040762.D
 Acq: 21 Mar 2024 22:43

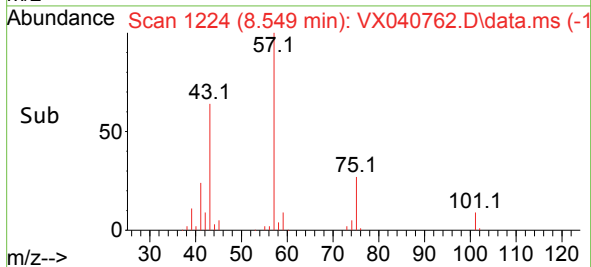
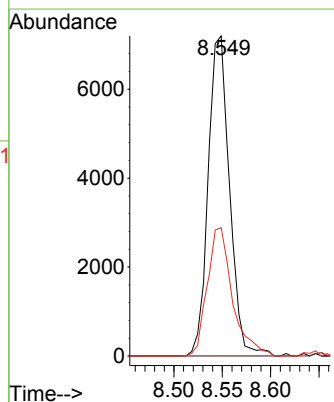
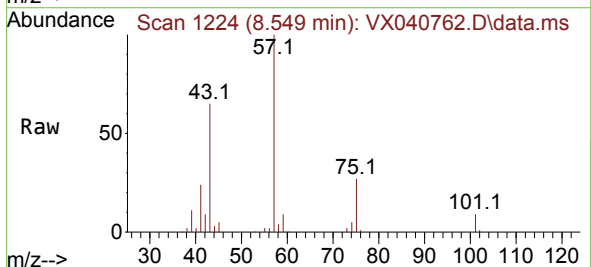
Instrument :
 MSVOA_X
 ClientSampleId :

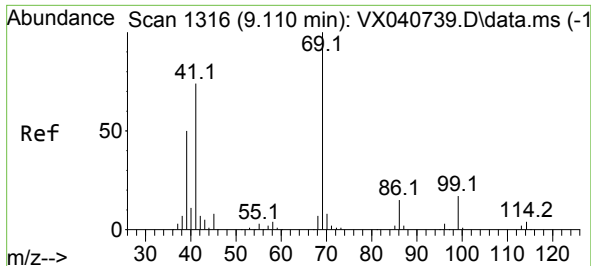
Tgt Ion: 75 Resp: 206
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.7 38.5#



#54
 cis-1,3-Dichloropropene
 Concen: 12.194 ug/l
 RT: 8.549 min Scan# 1224
 Delta R.T. 0.189 min
 Lab File: VX040762.D
 Acq: 21 Mar 2024 22:43

Tgt Ion: 75 Resp: 11075
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.3 37.9#
 39 40.1 46.7 70.1#

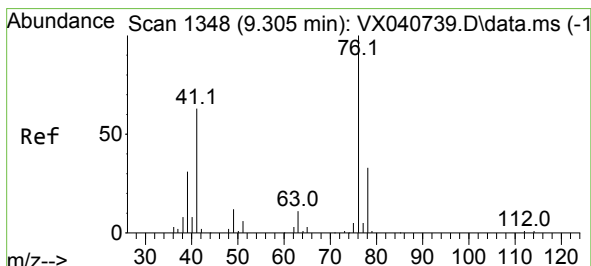
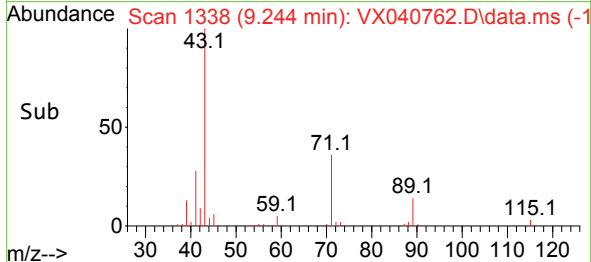
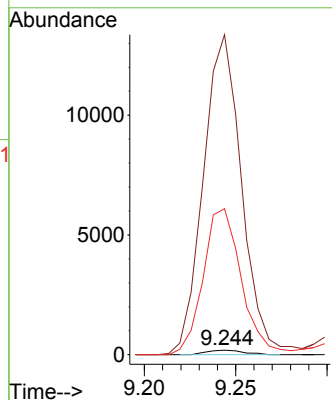
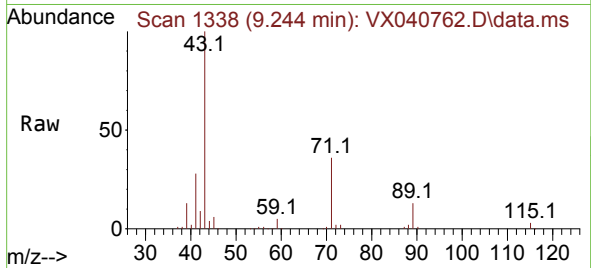




#56
Ethyl methacrylate
Concen: 0.295 ug/l
RT: 9.244 min Scan# 11
Delta R.T. 0.134 min
Lab File: VX040762.D
Acq: 21 Mar 2024 22:43

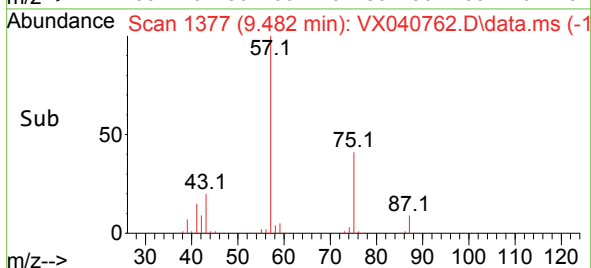
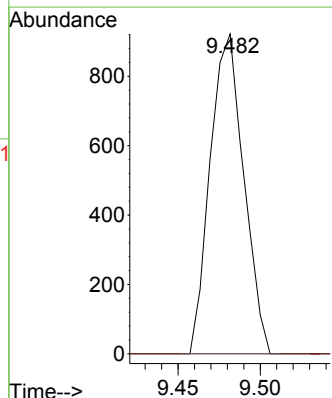
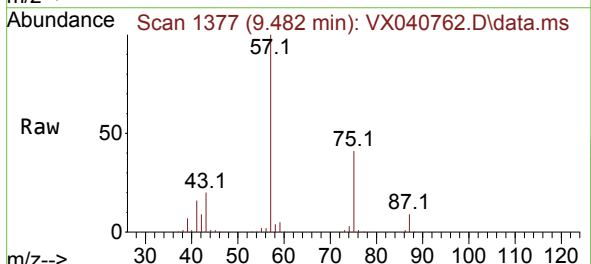
Instrument :
MSVOA_X
ClientSampleId :

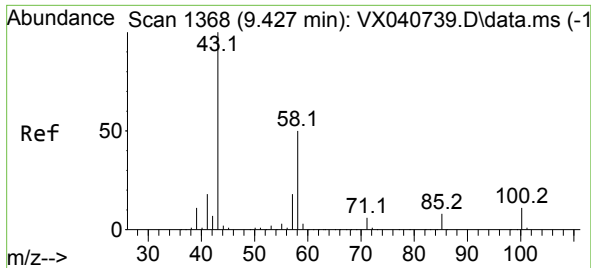
Tgt Ion: 69 Resp: 268
Ion Ratio Lower Upper
69 100
41 7322.0 56.8 85.2#
39 3315.7 32.0 48.0#



#57
1,3-Dichloropropane
Concen: 1.414 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.176 min
Lab File: VX040762.D
Acq: 21 Mar 2024 22:43

Tgt Ion: 76 Resp: 1310
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#

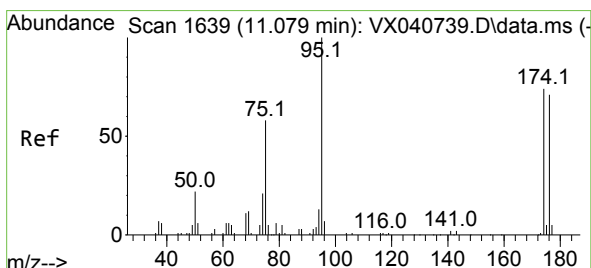
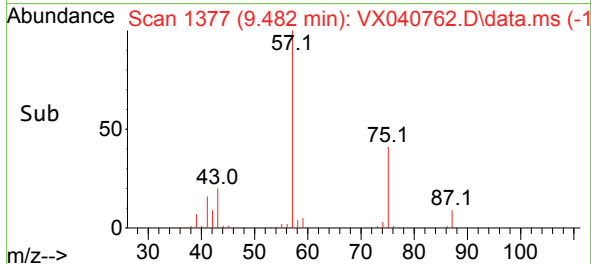
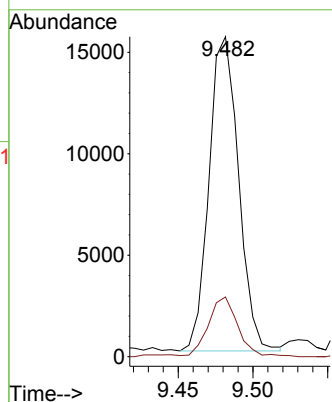
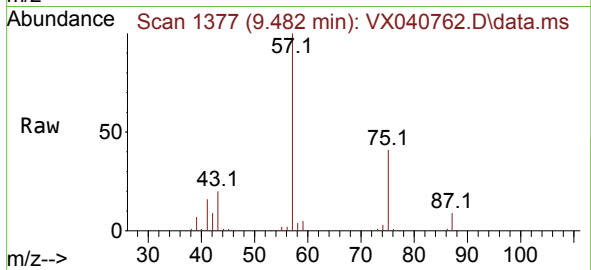




#59
2-Hexanone
Concen: 30.689 ug/l
RT: 9.482 min Scan# 11
Delta R.T. 0.054 min
Lab File: VX040762.D
Acq: 21 Mar 2024 22:43

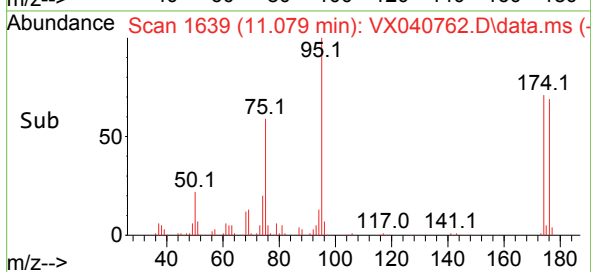
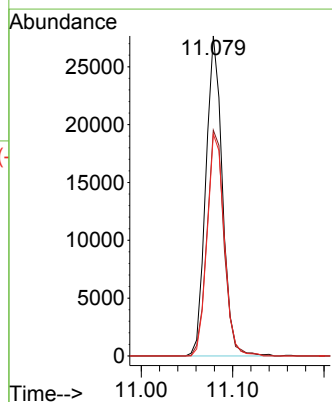
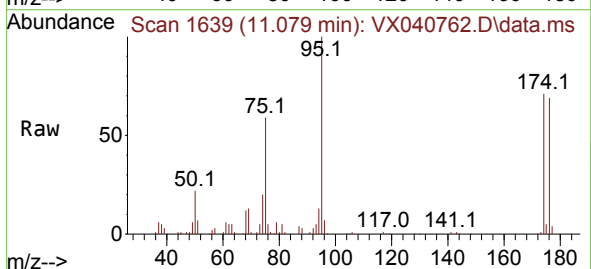
Instrument :
MSVOA_X
ClientSampleId :

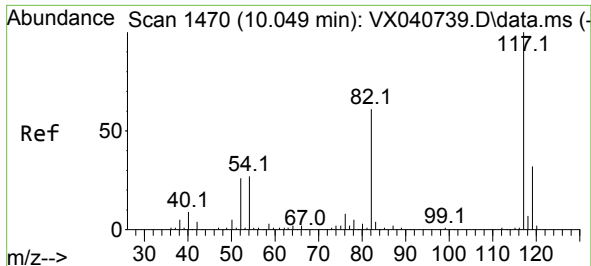
Tgt Ion: 43 Resp: 21287
Ion Ratio Lower Upper
43 100
58 19.0 26.2 78.5#



#62
4-Bromofluorobenzene
Concen: 46.633 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX040762.D
Acq: 21 Mar 2024 22:43

Tgt Ion: 95 Resp: 34693
Ion Ratio Lower Upper
95 100
174 72.7 0.0 135.6
176 71.6 0.0 131.0

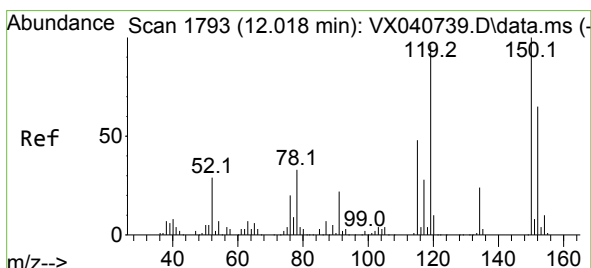
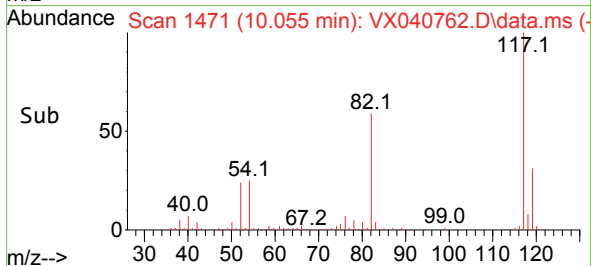
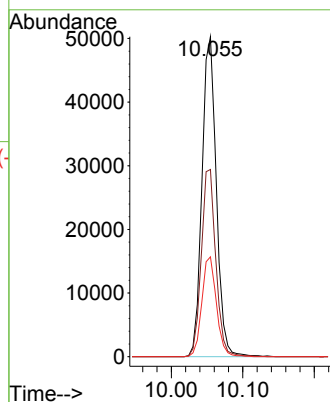
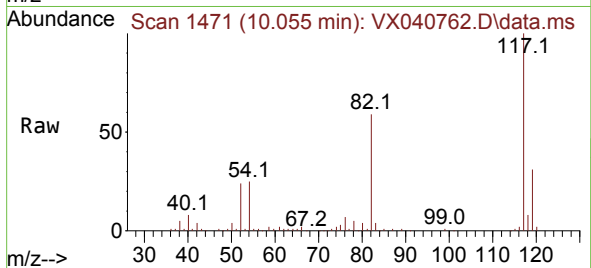




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1470
Delta R.T. 0.006 min
Lab File: VX040762.D
Acq: 21 Mar 2024 22:43

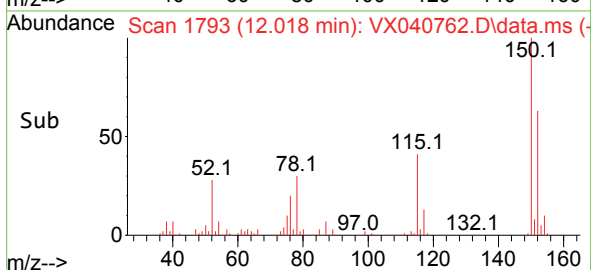
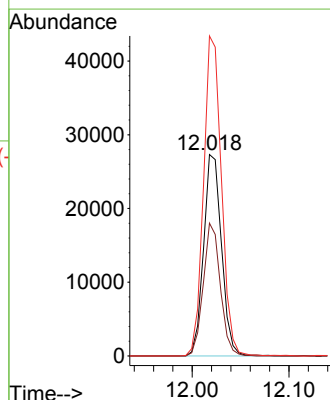
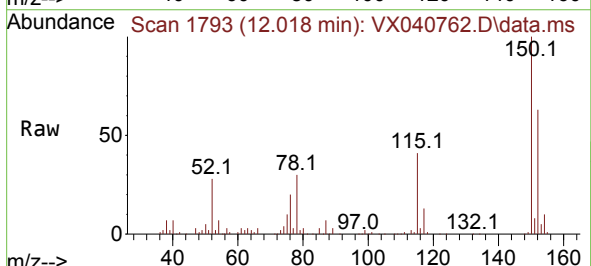
Instrument :
MSVOA_X
ClientSampleId :

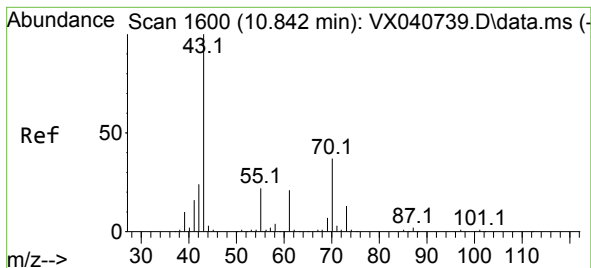
Tgt Ion:117 Resp: 70016
Ion Ratio Lower Upper
117 100
82 58.5 46.2 69.4
119 31.2 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX040762.D
Acq: 21 Mar 2024 22:43

Tgt Ion:152 Resp: 35301
Ion Ratio Lower Upper
152 100
115 62.6 43.3 129.9
150 158.2 0.0 345.0





#74

N-amy1 acetate

Concen: 0.227 ug/l

RT: 10.811 min Scan# 1

Delta R.T. -0.031 min

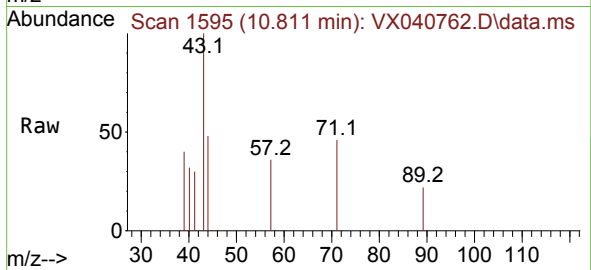
Lab File: VX040762.D

Acq: 21 Mar 2024 22:43

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 43 Resp: 299

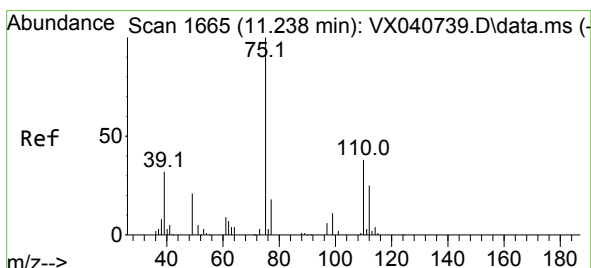
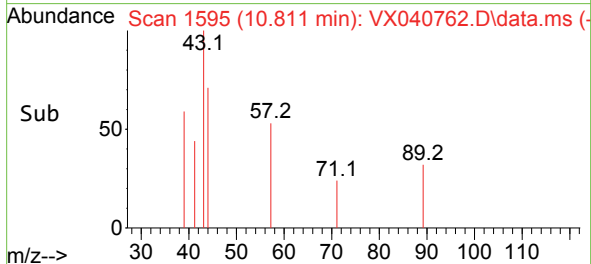
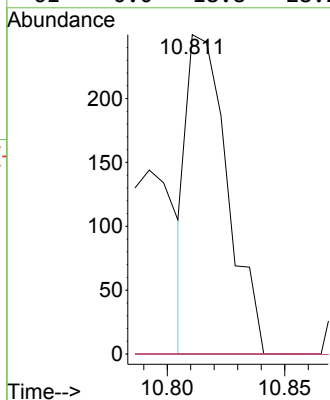
Ion Ratio Lower Upper

43 100

70 0.0 32.9 49.3#

55 0.0 19.3 28.9#

61 0.0 18.8 28.2#



#76

1,2,3-Trichloropropane

Concen: 26.082 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX040762.D

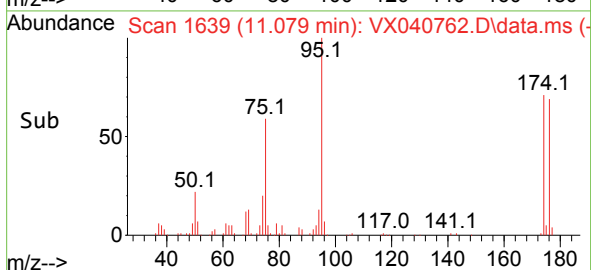
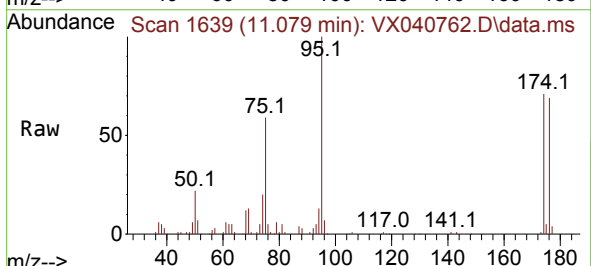
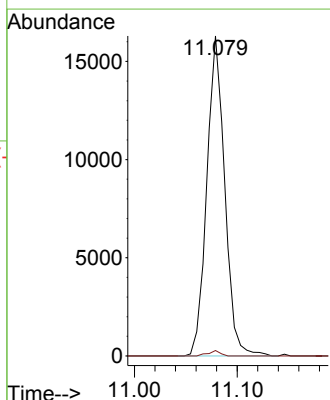
Acq: 21 Mar 2024 22:43

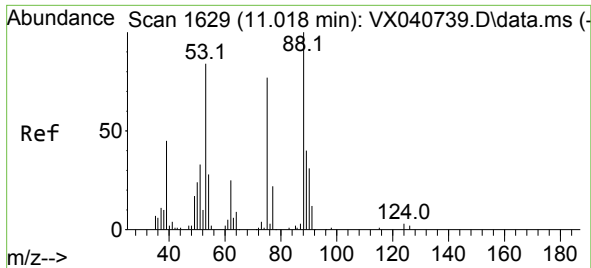
Tgt Ion: 75 Resp: 19802

Ion Ratio Lower Upper

75 100

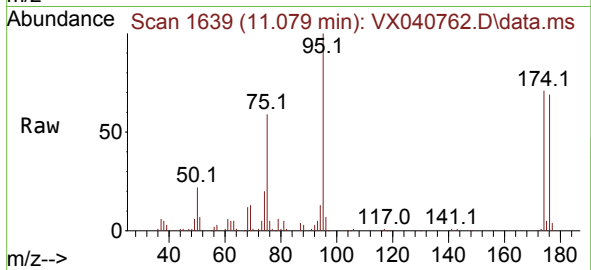
77 1.1 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 65.981 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX040762.D
 Acq: 21 Mar 2024 22:43

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion: 75 Resp: 19802
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.5 135.7#
 89 0.0 36.9 55.3#

