

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011624\
 Data File : VX039770.D
 Acq On : 16 Jan 2024 13:39
 Operator : JC/MD
 Sample : P1139-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MR-314-0-2

Quant Time: Jan 17 01:47:50 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011024W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 11 03:51:26 2024
 Response via : Initial Calibration

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

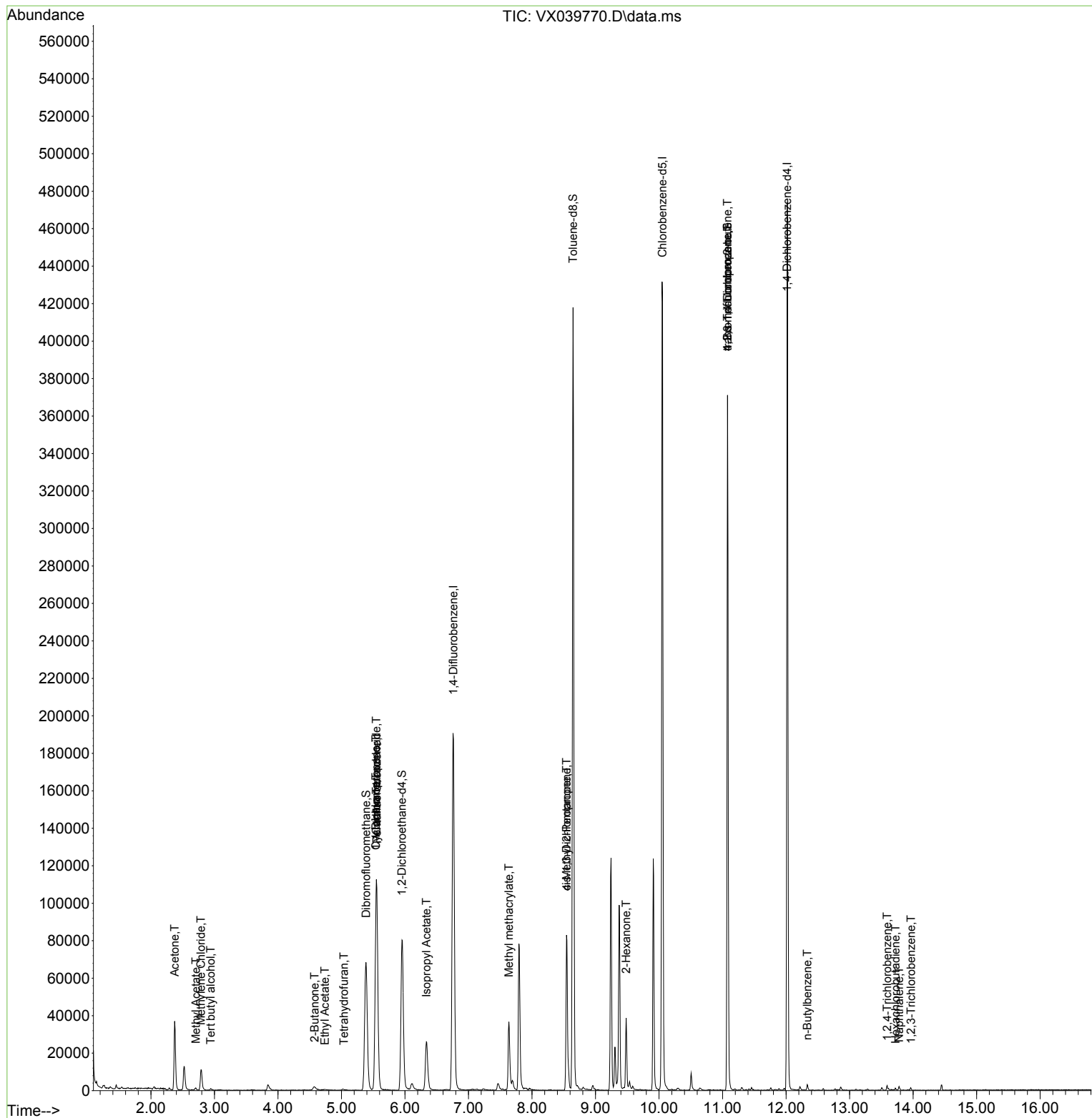
Internal Standards						
1) Pentafluorobenzene	5.556	168	101069	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	190399	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	189899	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	88855	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	76865	45.400	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	90.800%
35) Dibromofluoromethane	5.385	113	60080	46.849	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	93.700%
50) Toluene-d8	8.647	98	238518	49.314	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	98.620%
62) 4-Bromofluorobenzene	11.079	95	95880	50.693	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	101.380%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.940	59	830	1.883	ug/l #	78
13) Acrolein	2.233	56	48	Below Cal	#	14
16) Acetone	2.373	43	38713	40.658	ug/l	96
18) Methyl Acetate	2.709	43	1533	0.770	ug/l #	85
20) Methylene Chloride	2.788	84	5374	3.731	ug/l	98
25) 2-Butanone	4.574	43	3126	2.285	ug/l	94
29) Tetrahydrofuran	5.038	42	694	0.788	ug/l #	46
31) Cyclohexane	5.544	56	2684	1.201	ug/l #	16
36) 1,1-Dichloropropene	5.544	75	9337	4.678	ug/l #	49
37) Ethyl Acetate	4.739	43	820	0.308	ug/l #	69
38) Carbon Tetrachloride	5.550	117	10665	5.833	ug/l #	15
43) Isopropyl Acetate	6.336	43	37306	9.550	ug/l	98
48) Methyl methacrylate	7.635	41	1712	0.892	ug/l #	32
51) 4-Methyl-2-Pentanone	8.543	43	33784	12.557	ug/l #	47
54) cis-1,3-Dichloropropene	8.543	75	13050	5.766	ug/l #	59
59) 2-Hexanone	9.482	43	4498	2.112	ug/l #	58
76) 1,2,3-Trichloropropane	11.079	75	52632	22.847	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	52632	66.025	ug/l #	5
89) n-Butylbenzene	12.335	91	1199	0.209	ug/l	96
93) 1,2,4-Trichlorobenzene	13.591	180	422	0.231	ug/l	94
94) Hexachlorobutadiene	13.725	225	278	0.367	ug/l #	40
95) Naphthalene	13.780	128	1525	0.227	ug/l #	95
96) 1,2,3-Trichlorobenzene	13.969	180	436	0.237	ug/l	92

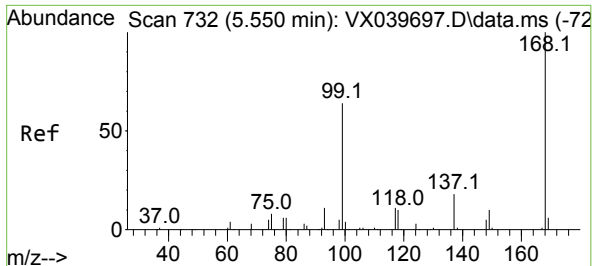
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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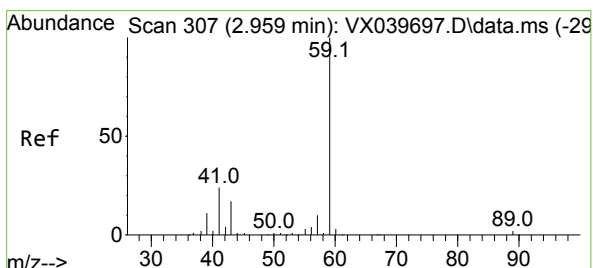
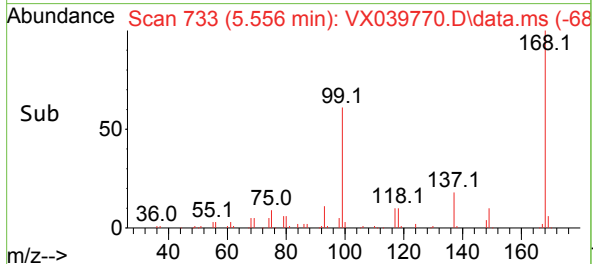
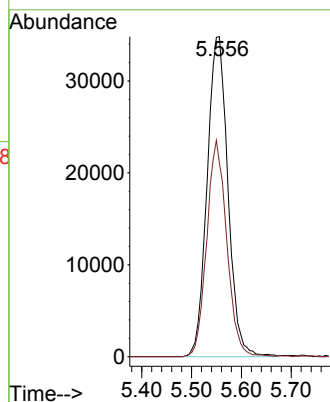
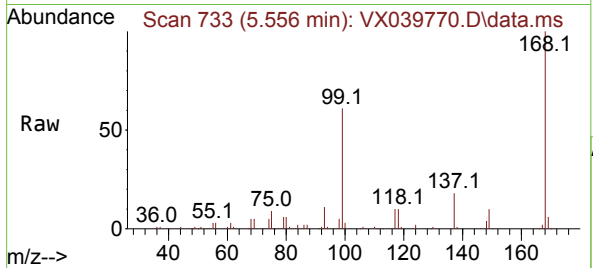




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX039770.D
Acq: 16 Jan 2024 13:39

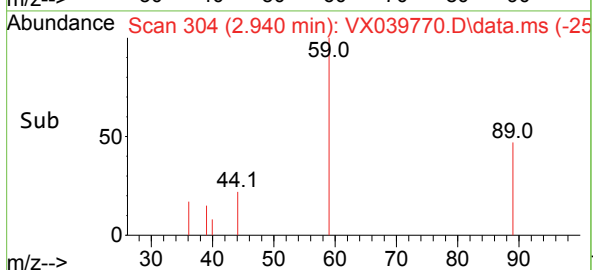
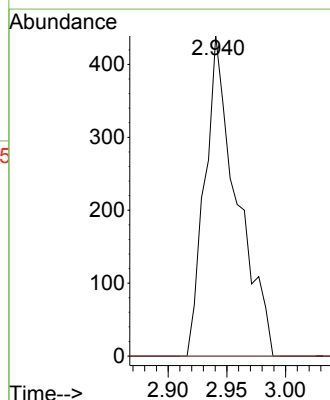
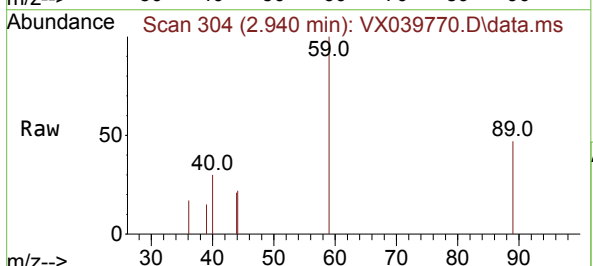
Instrument :
MSVOA_X
ClientSampleId :
MR-314-0-2

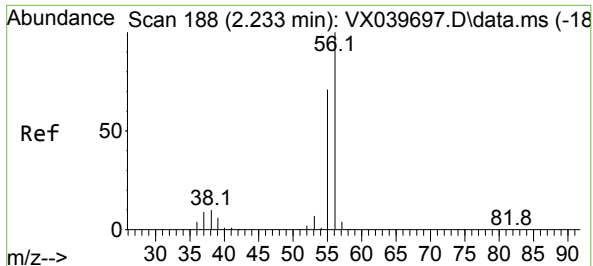
Tgt Ion:168 Resp: 101069
Ion Ratio Lower Upper
168 100
99 60.5 56.6 85.0



#11
Tert butyl alcohol
Concen: 1.883 ug/l
RT: 2.940 min Scan# 304
Delta R.T. -0.018 min
Lab File: VX039770.D
Acq: 16 Jan 2024 13:39

Tgt Ion: 59 Resp: 830
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#

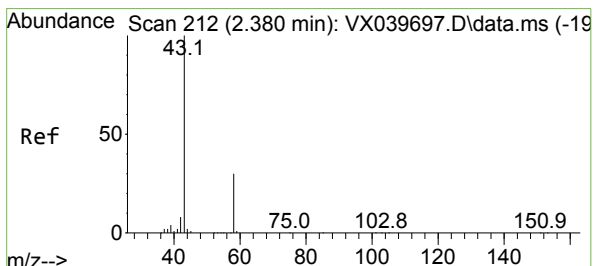
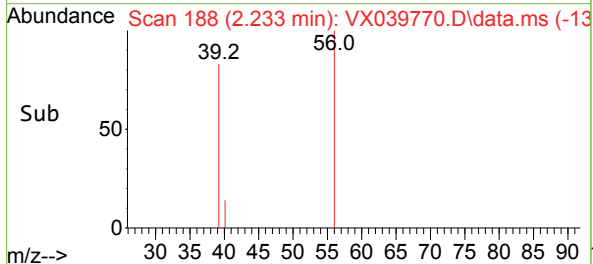
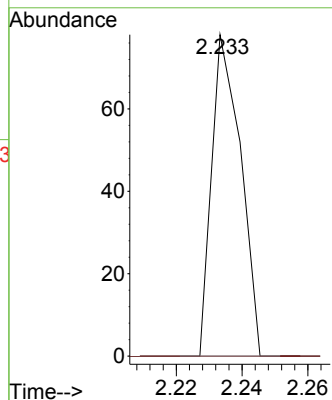
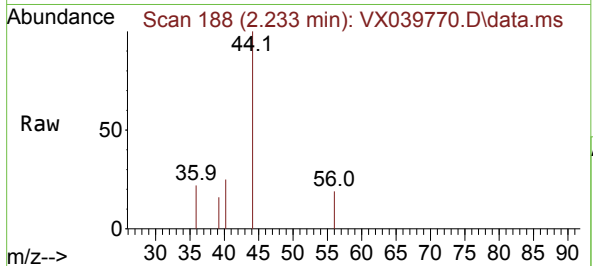




#13
Acrolein
Concen: Below Cal
RT: 2.233 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX039770.D
Acq: 16 Jan 2024 13:39

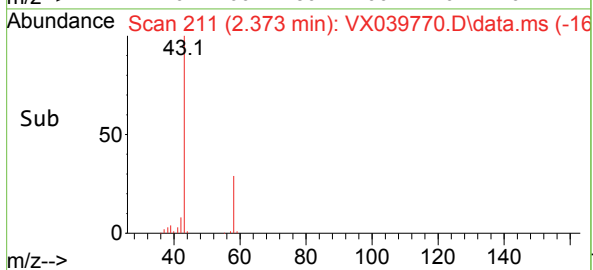
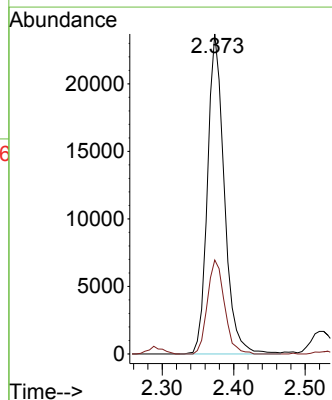
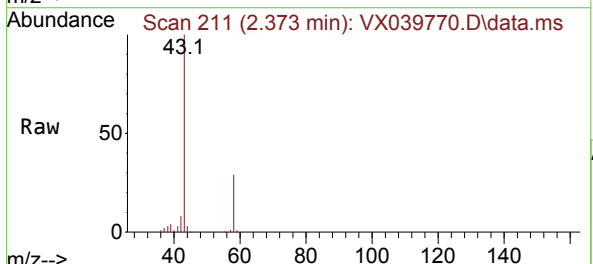
Instrument :
MSVOA_X
ClientSampleId :
MR-314-0-2

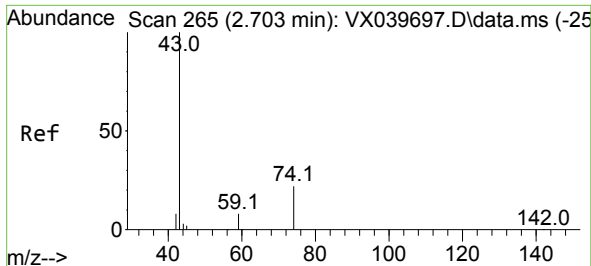
Tgt Ion: 56 Resp: 48
Ion Ratio Lower Upper
56 100
55 0.0 57.1 85.7#



#16
Acetone
Concen: 40.658 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.006 min
Lab File: VX039770.D
Acq: 16 Jan 2024 13:39

Tgt Ion: 43 Resp: 38713
Ion Ratio Lower Upper
43 100
58 29.4 21.9 32.9





#18

Methyl Acetate

Concen: 0.770 ug/l

RT: 2.709 min Scan# 2

Delta R.T. 0.006 min

Lab File: VX039770.D

Acq: 16 Jan 2024 13:39

Instrument :

MSVOA_X

ClientSampleId :

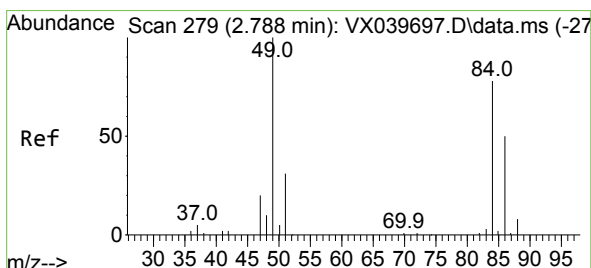
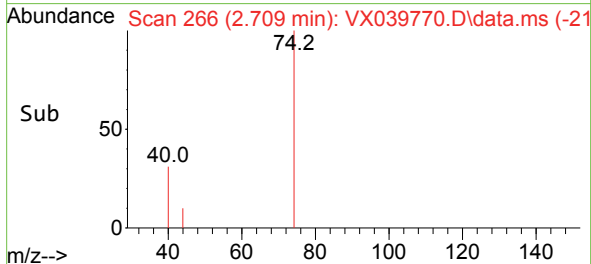
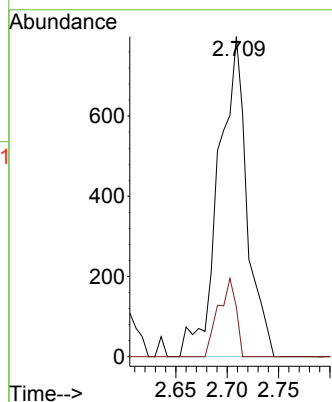
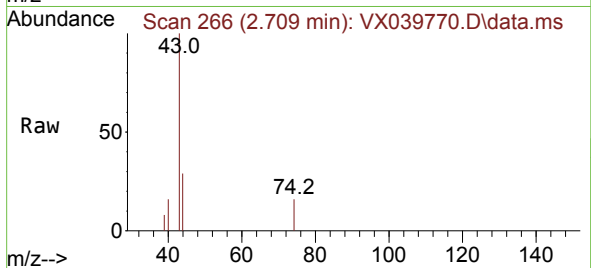
MR-314-0-2

Tgt Ion: 43 Resp: 1533

Ion Ratio Lower Upper

43 100

74 15.1 17.8 26.8#



#20

Methylene Chloride

Concen: 3.731 ug/l

RT: 2.788 min Scan# 279

Delta R.T. 0.000 min

Lab File: VX039770.D

Acq: 16 Jan 2024 13:39

Tgt Ion: 84 Resp: 5374

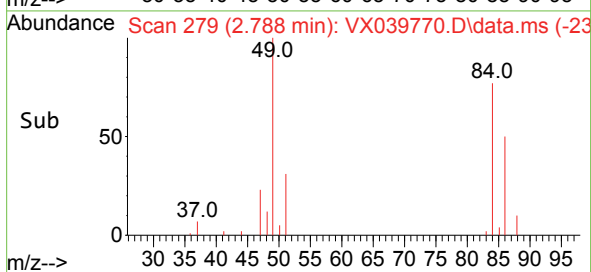
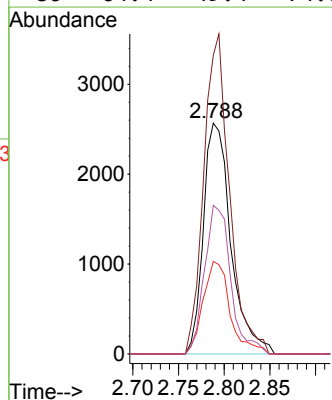
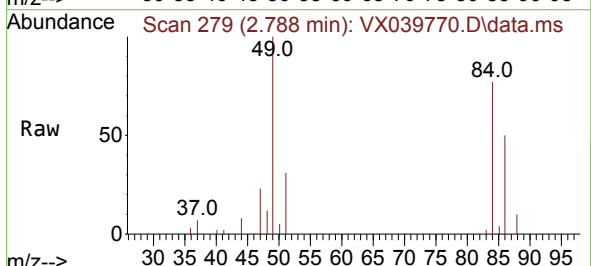
Ion Ratio Lower Upper

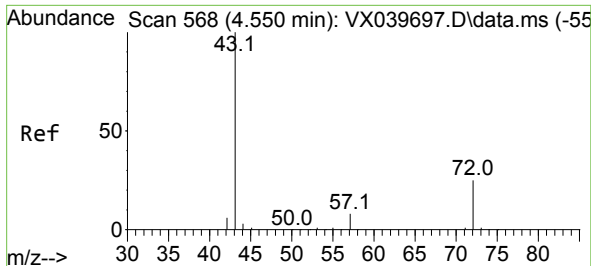
84 100

49 129.4 103.6 155.4

51 40.1 33.8 50.6

86 64.4 49.4 74.0

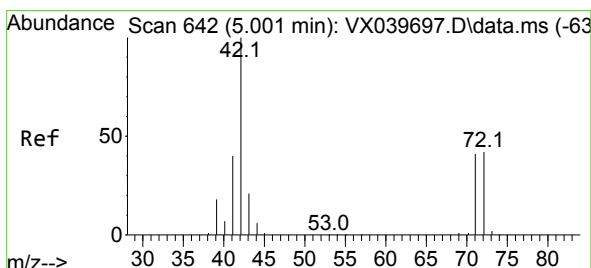
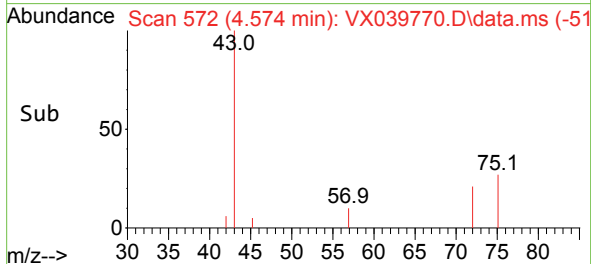
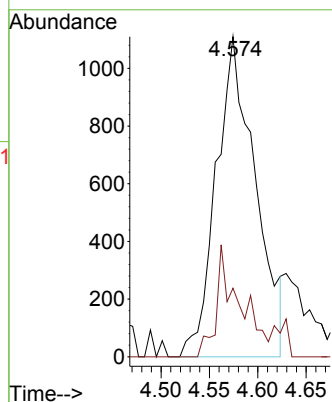
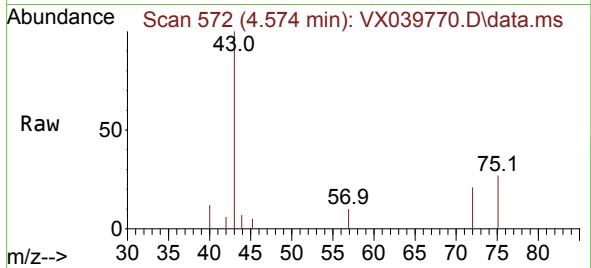




#25
2-Butanone
Concen: 2.285 ug/l
RT: 4.574 min Scan# 51
Delta R.T. 0.024 min
Lab File: VX039770.D
Acq: 16 Jan 2024 13:39

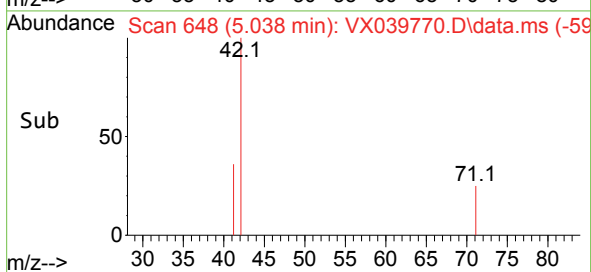
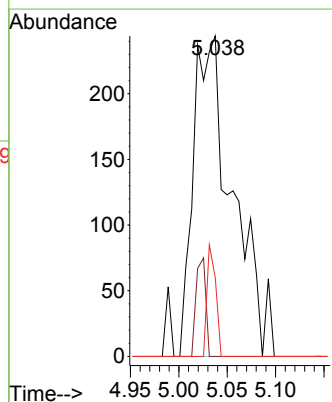
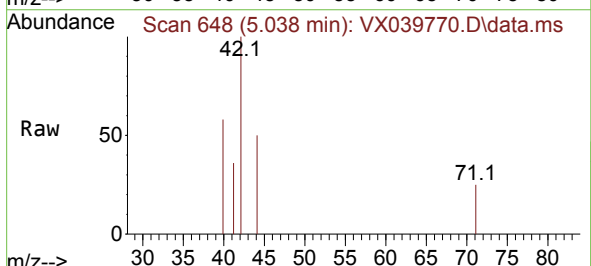
Instrument :
MSVOA_X
ClientSampleId :
MR-314-0-2

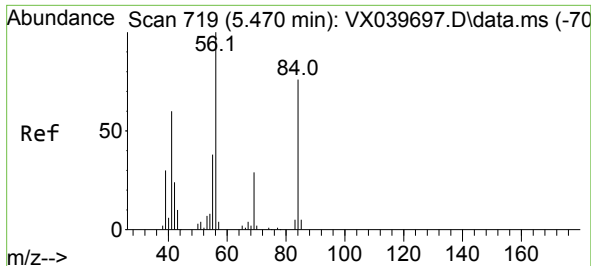
Tgt Ion: 43 Resp: 3126
Ion Ratio Lower Upper
43 100
72 21.4 19.4 29.2



#29
Tetrahydrofuran
Concen: 0.788 ug/l
RT: 5.038 min Scan# 648
Delta R.T. 0.037 min
Lab File: VX039770.D
Acq: 16 Jan 2024 13:39

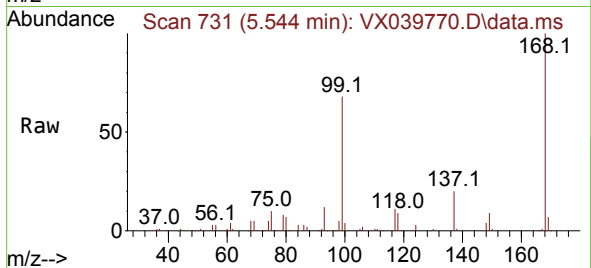
Tgt Ion: 42 Resp: 694
Ion Ratio Lower Upper
42 100
72 7.5 34.2 51.4#
71 7.6 32.2 48.2#



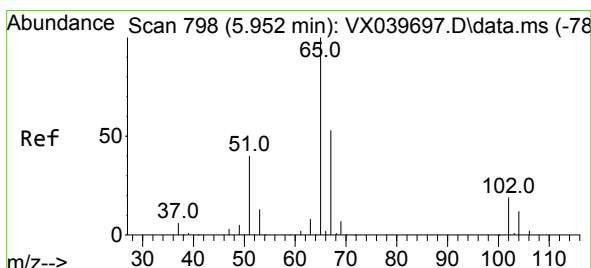
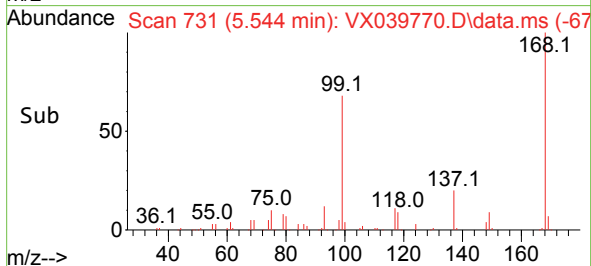
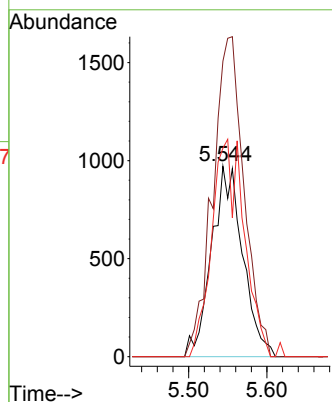


#31
Cyclohexane
Concen: 1.201 ug/l
RT: 5.544 min Scan# 719
Delta R.T. 0.073 min
Lab File: VX039770.D
Acq: 16 Jan 2024 13:39

Instrument :
MSVOA_X
ClientSampleId :
MR-314-0-2

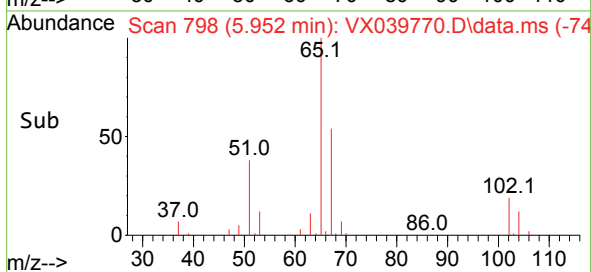
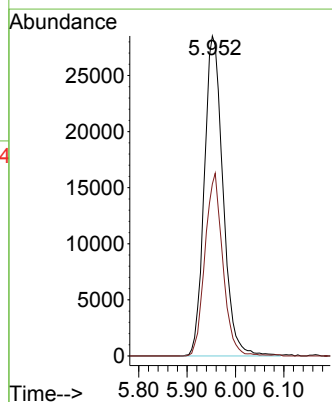
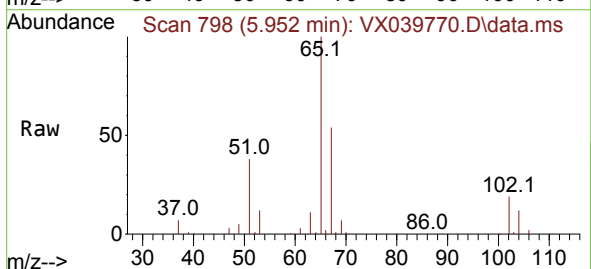


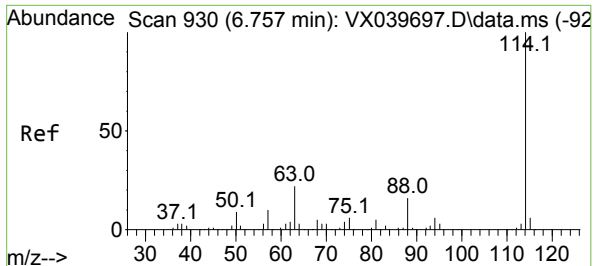
Tgt Ion: 56 Resp: 2684
Ion Ratio Lower Upper
56 100
69 155.2 23.4 35.2#
84 109.5 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 45.400 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX039770.D
Acq: 16 Jan 2024 13:39

Tgt Ion: 65 Resp: 76865
Ion Ratio Lower Upper
65 100
67 54.4 0.0 100.2

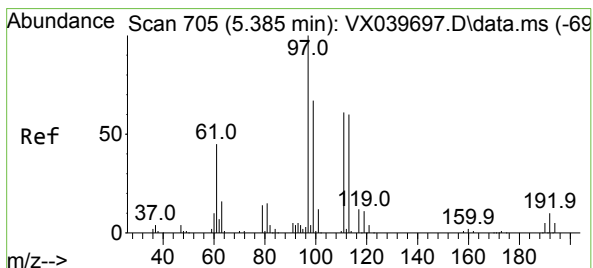
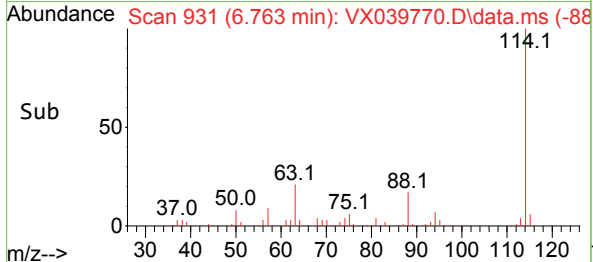
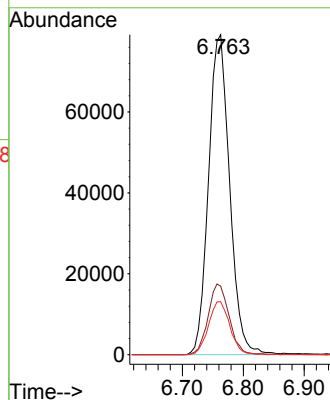
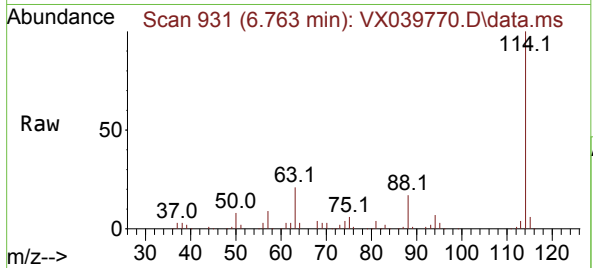




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX039770.D
Acq: 16 Jan 2024 13:39

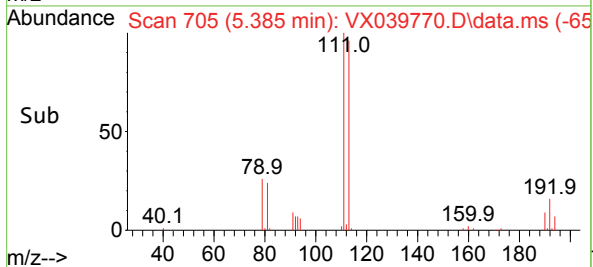
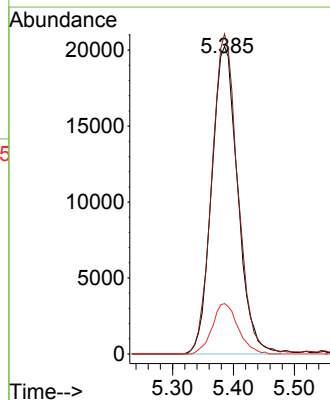
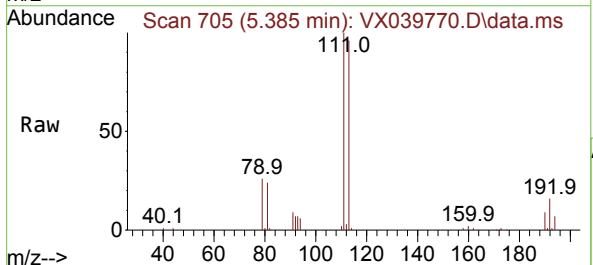
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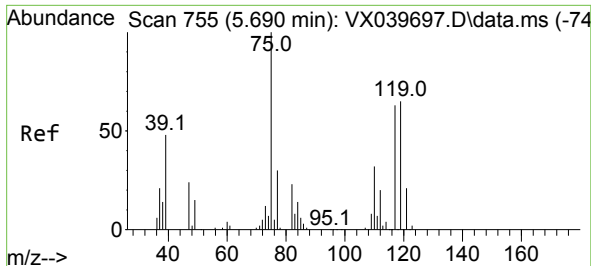
Tgt Ion:114 Resp: 190399
Ion Ratio Lower Upper
114 100
63 21.4 0.0 45.0
88 16.6 0.0 36.6



#35
Dibromofluoromethane
Concen: 46.849 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX039770.D
Acq: 16 Jan 2024 13:39

Tgt Ion:113 Resp: 60080
Ion Ratio Lower Upper
113 100
111 103.9 82.9 124.3
192 16.3 13.3 19.9

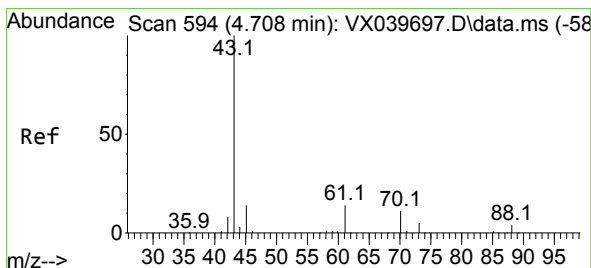
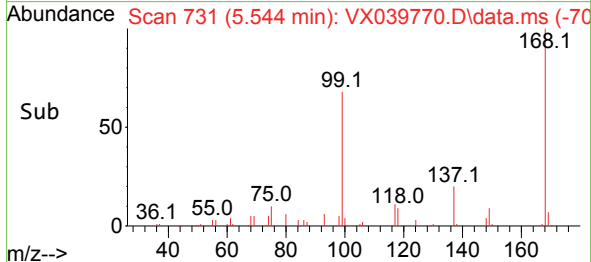
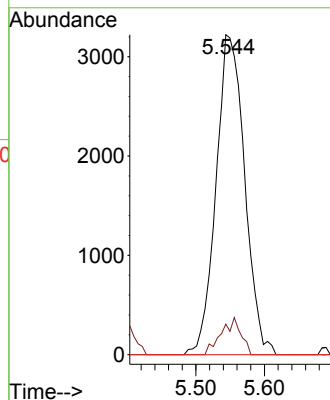
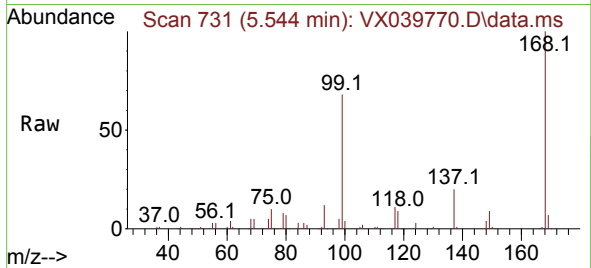




#36
1,1-Dichloropropene
Concen: 4.678 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX039770.D
Acq: 16 Jan 2024 13:39

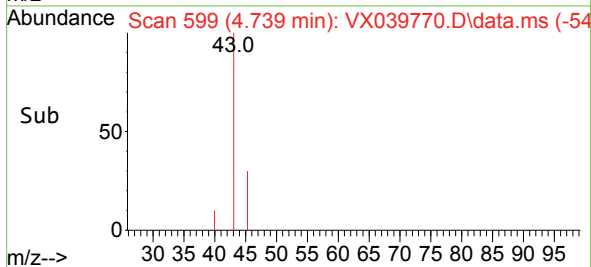
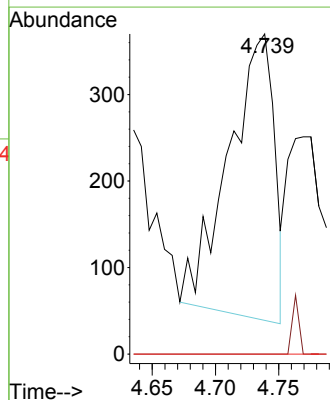
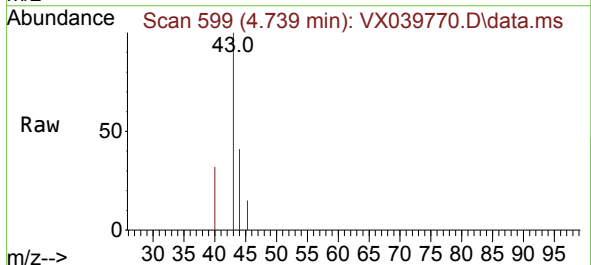
Instrument :
MSVOA_X
ClientSampleId :
MR-314-0-2

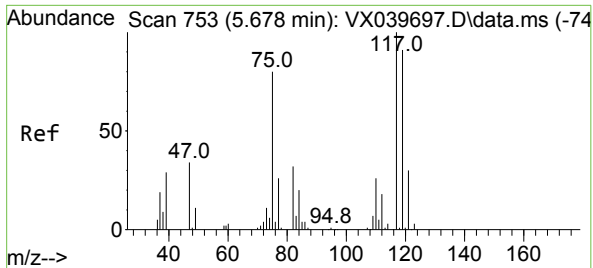
Tgt Ion: 75 Resp: 9337
Ion Ratio Lower Upper
75 100
110 8.0 17.0 50.9#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 0.308 ug/l
RT: 4.739 min Scan# 599
Delta R.T. 0.030 min
Lab File: VX039770.D
Acq: 16 Jan 2024 13:39

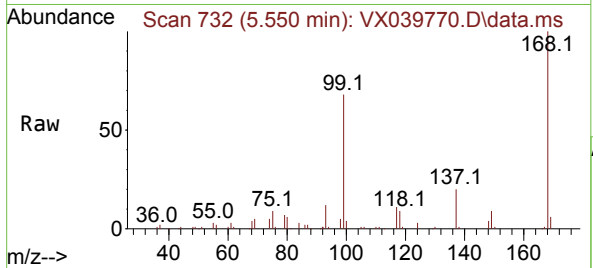
Tgt Ion: 43 Resp: 820
Ion Ratio Lower Upper
43 100
61 0.0 10.6 16.0#
70 0.0 8.3 12.5#



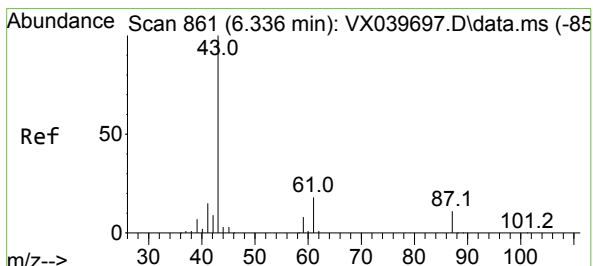
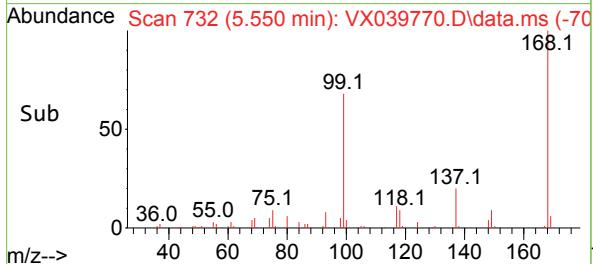
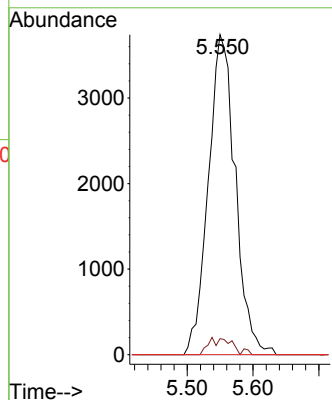


#38
Carbon Tetrachloride
Concen: 5.833 ug/l
RT: 5.550 min Scan# 711
Delta R.T. -0.128 min
Lab File: VX039770.D
Acq: 16 Jan 2024 13:39

Instrument :
MSVOA_X
ClientSampleId :
MR-314-0-2

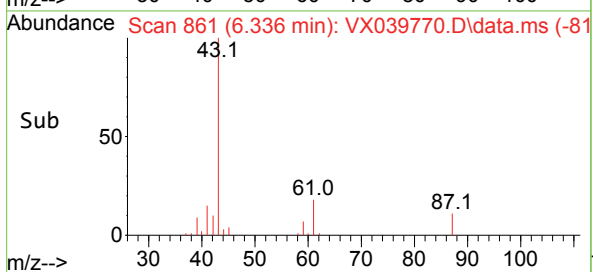
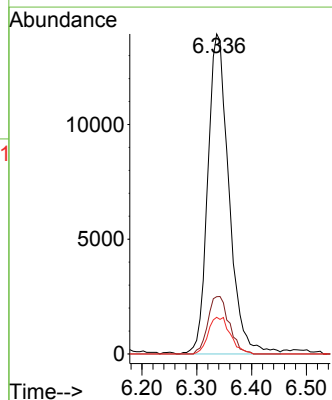
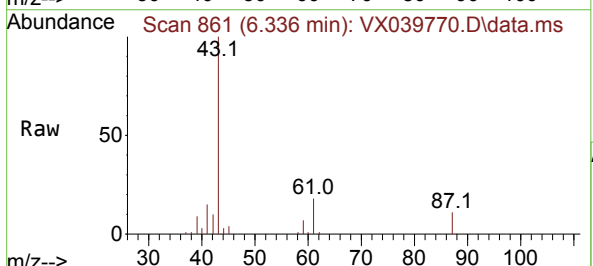


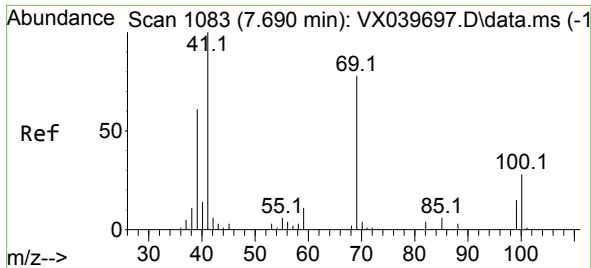
Tgt Ion:117 Resp: 10665
Ion Ratio Lower Upper
117 100
119 5.0 78.2 117.2#
121 0.0 24.4 36.6#



#43
Isopropyl Acetate
Concen: 9.550 ug/l
RT: 6.336 min Scan# 861
Delta R.T. 0.000 min
Lab File: VX039770.D
Acq: 16 Jan 2024 13:39

Tgt Ion: 43 Resp: 37306
Ion Ratio Lower Upper
43 100
61 18.0 15.2 22.8
87 11.9 9.8 14.6

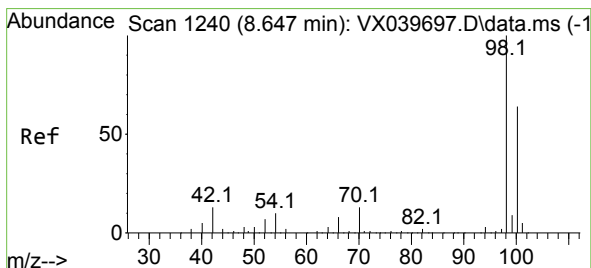
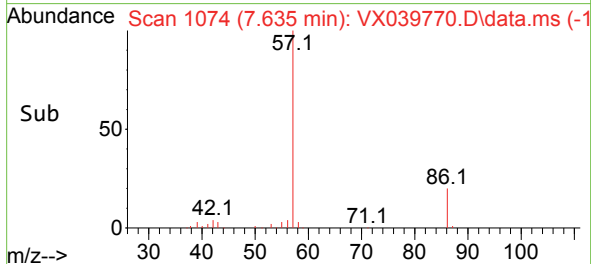
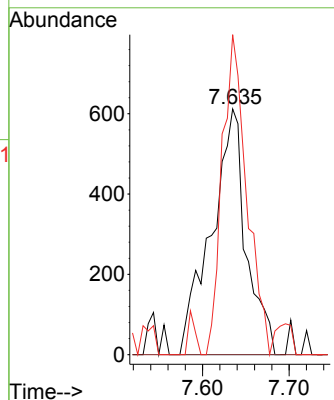
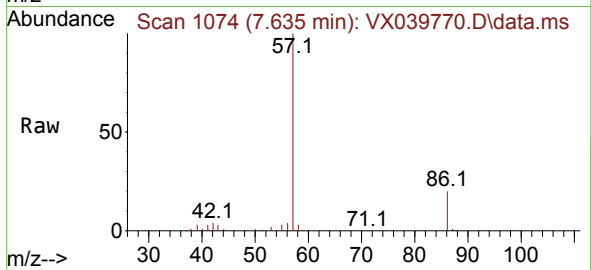




#48
Methyl methacrylate
Concen: 0.892 ug/l
RT: 7.635 min Scan# 1083
Delta R.T. -0.055 min
Lab File: VX039770.D
Acq: 16 Jan 2024 13:39

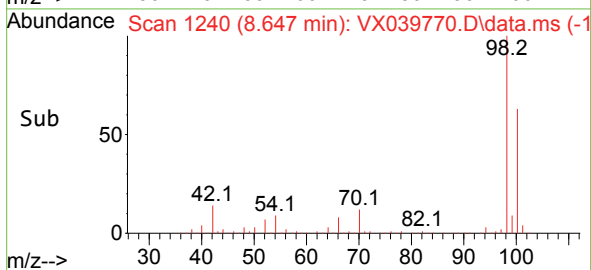
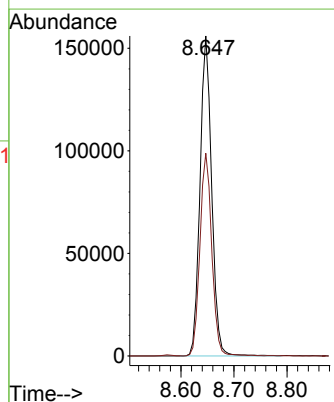
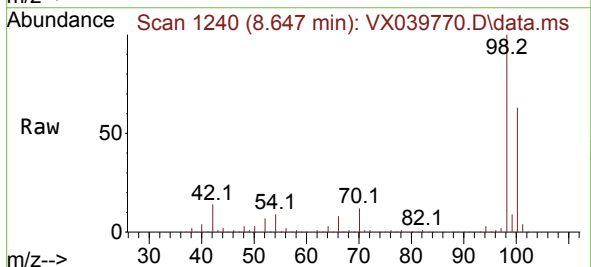
Instrument :
MSVOA_X
ClientSampleId :
MR-314-0-2

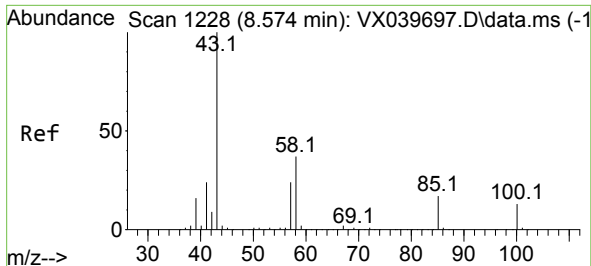
Tgt Ion: 41 Resp: 1712
Ion Ratio Lower Upper
41 100
69 0.0 59.2 88.8#
39 91.8 47.7 71.5#



#50
Toluene-d8
Concen: 49.314 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX039770.D
Acq: 16 Jan 2024 13:39

Tgt Ion: 98 Resp: 238518
Ion Ratio Lower Upper
98 100
100 64.5 53.1 79.7

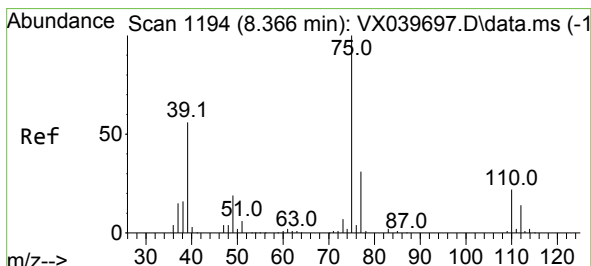
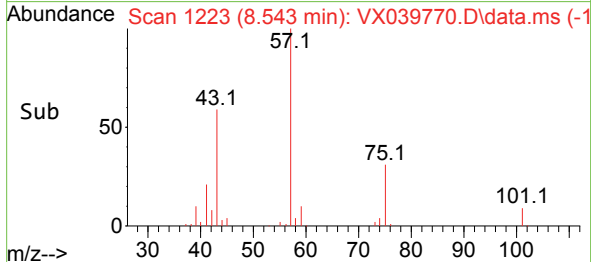
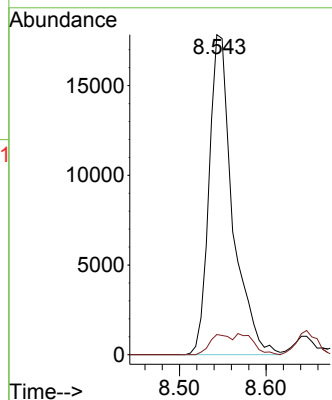
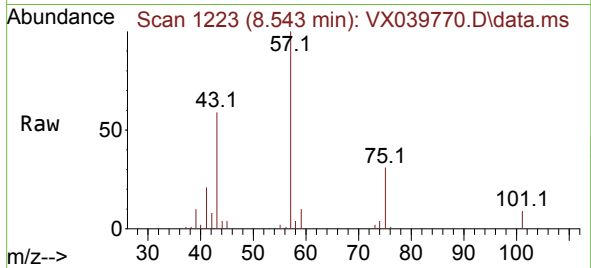




#51
4-Methyl-2-Pentanone
Concen: 12.557 ug/l
RT: 8.543 min Scan# 11
Delta R.T. -0.030 min
Lab File: VX039770.D
Acq: 16 Jan 2024 13:39

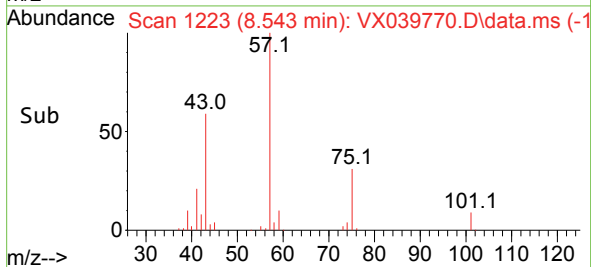
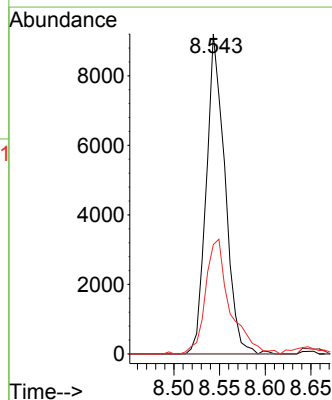
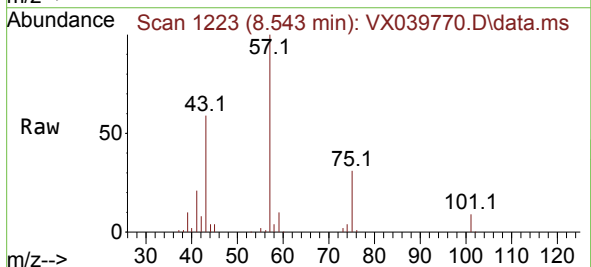
Instrument :
MSVOA_X
ClientSampleId :
MR-314-0-2

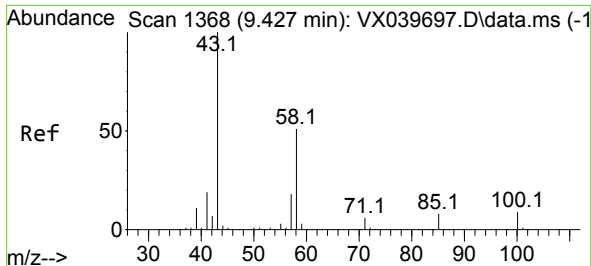
Tgt Ion: 43 Resp: 33784
Ion Ratio Lower Upper
43 100
58 5.8 30.4 45.6#



#54
cis-1,3-Dichloropropene
Concen: 5.766 ug/l
RT: 8.543 min Scan# 1223
Delta R.T. 0.177 min
Lab File: VX039770.D
Acq: 16 Jan 2024 13:39

Tgt Ion: 75 Resp: 13050
Ion Ratio Lower Upper
75 100
77 0.0 25.3 37.9#
39 34.2 46.7 70.1#

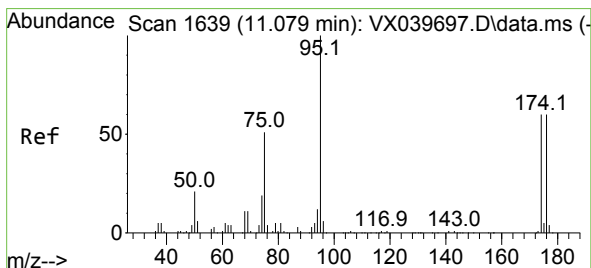
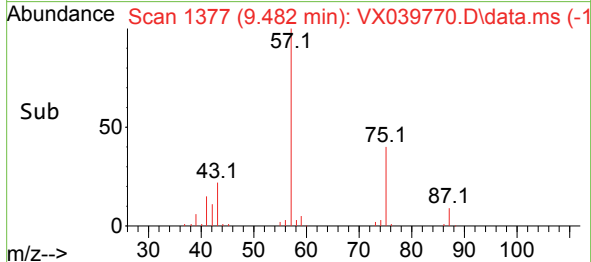
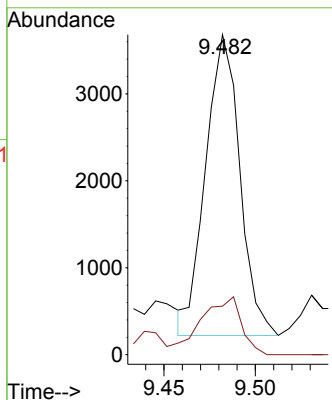
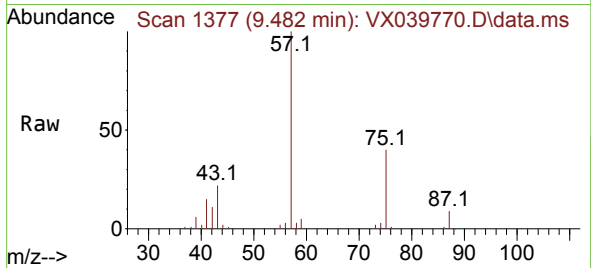




#59
2-Hexanone
Concen: 2.112 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.055 min
Lab File: VX039770.D
Acq: 16 Jan 2024 13:39

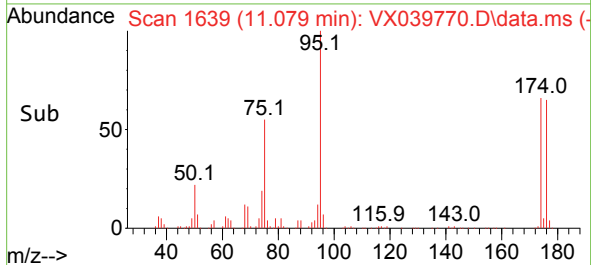
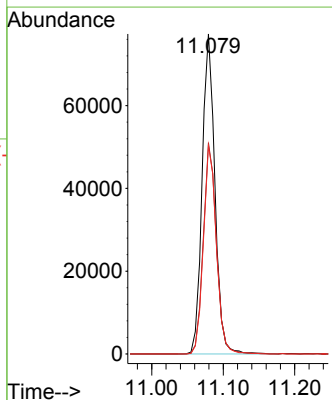
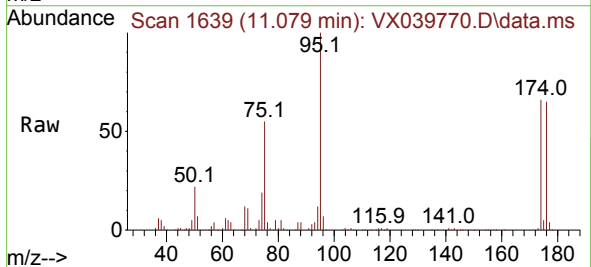
Instrument :
MSVOA_X
ClientSampleId :
MR-314-0-2

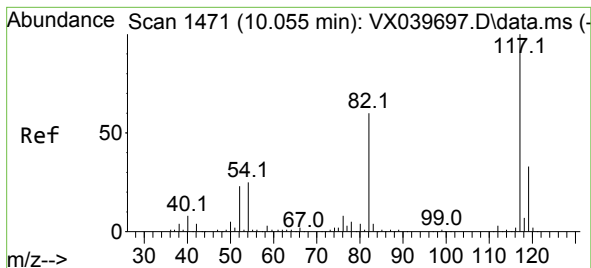
Tgt Ion: 43 Resp: 4498
Ion Ratio Lower Upper
43 100
58 22.8 26.2 78.5#



#62
4-Bromofluorobenzene
Concen: 50.693 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX039770.D
Acq: 16 Jan 2024 13:39

Tgt Ion: 95 Resp: 95880
Ion Ratio Lower Upper
95 100
174 67.7 0.0 135.6
176 66.3 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: VX039770.D

Acq: 16 Jan 2024 13:39

Instrument :

MSVOA_X

ClientSampleId :

MR-314-0-2

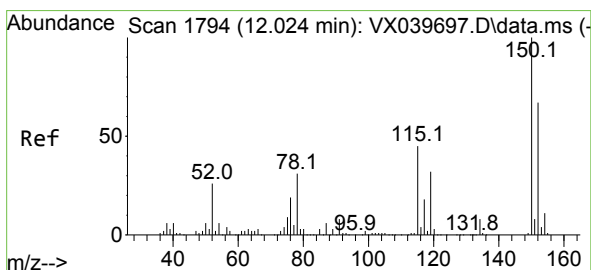
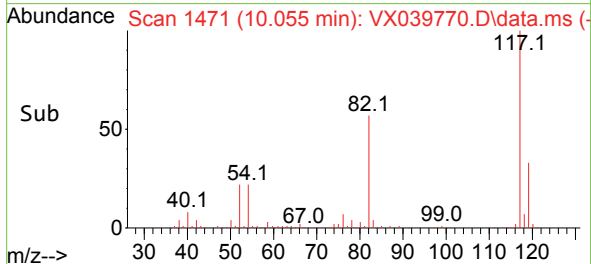
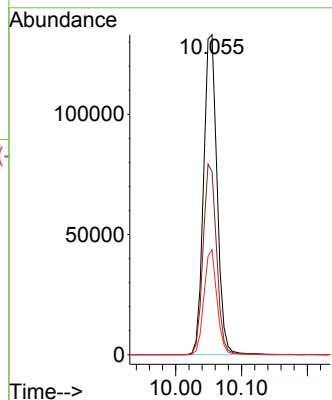
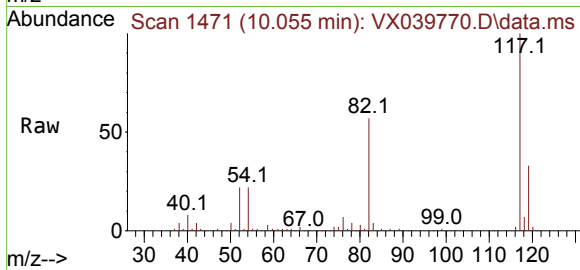
Tgt Ion:117 Resp: 189899

Ion Ratio Lower Upper

117 100

82 57.2 46.2 69.4

119 32.8 25.5 38.3



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1793

Delta R.T. -0.006 min

Lab File: VX039770.D

Acq: 16 Jan 2024 13:39

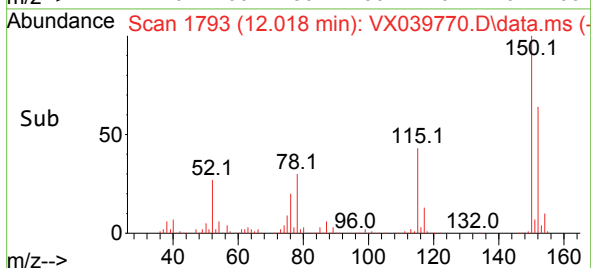
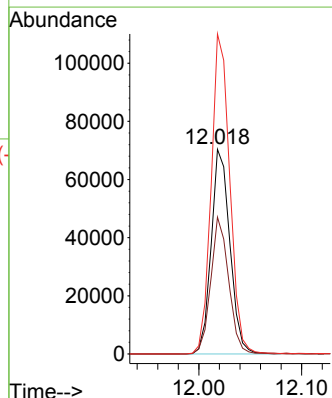
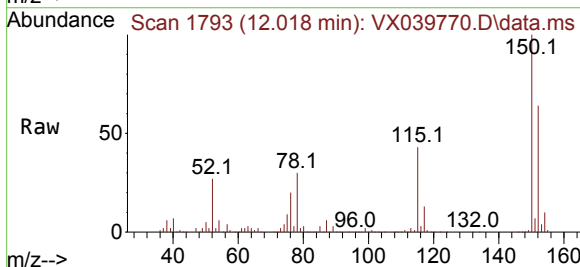
Tgt Ion:152 Resp: 88855

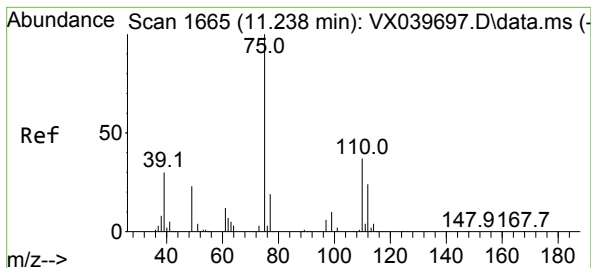
Ion Ratio Lower Upper

152 100

115 64.0 43.3 129.9

150 155.7 0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 22.847 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX039770.D

Acq: 16 Jan 2024 13:39

Instrument :

MSVOA_X

ClientSampleId :

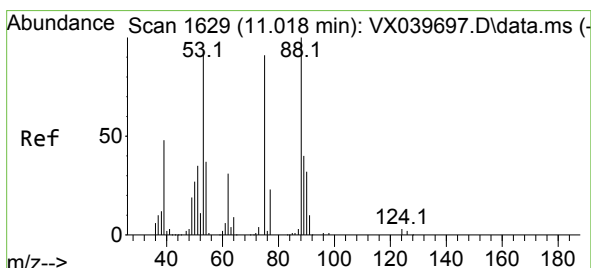
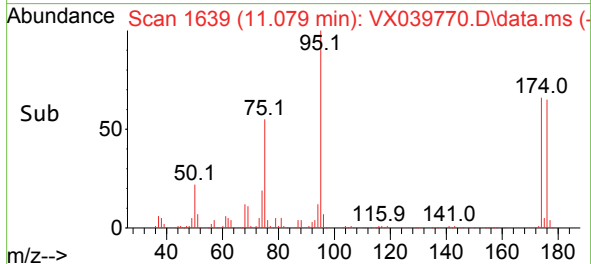
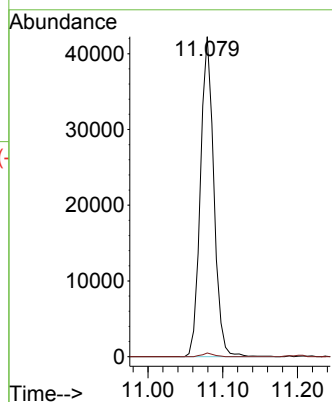
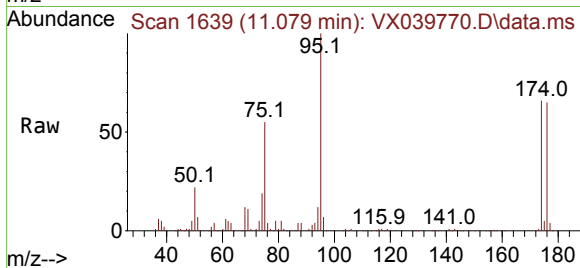
MR-314-0-2

Tgt Ion: 75 Resp: 52632

Ion Ratio Lower Upper

75 100

77 1.0 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 66.025 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX039770.D

Acq: 16 Jan 2024 13:39

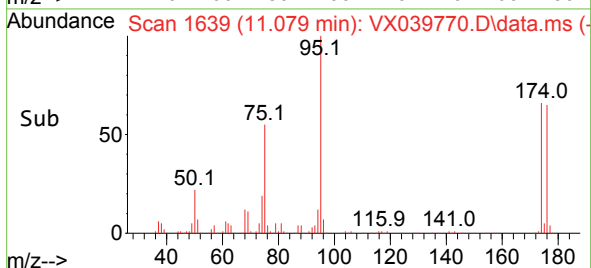
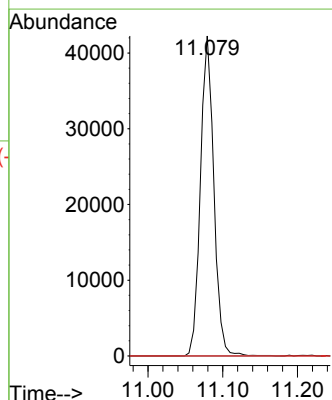
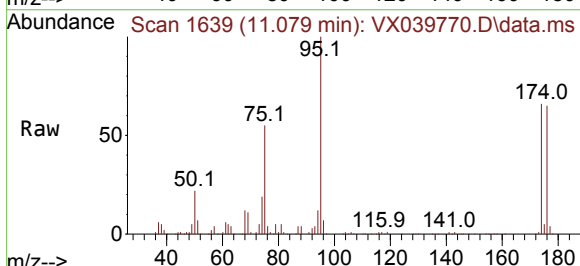
Tgt Ion: 75 Resp: 52632

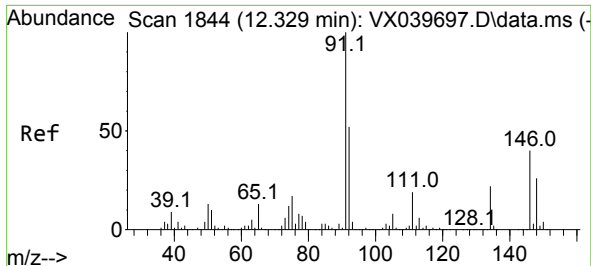
Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#





#89

n-Butylbenzene

Concen: 0.209 ug/l

RT: 12.335 min Scan# 1845

Delta R.T. 0.006 min

Lab File: VX039770.D

Acq: 16 Jan 2024 13:39

Instrument :

MSVOA_X

ClientSampleId :

MR-314-0-2

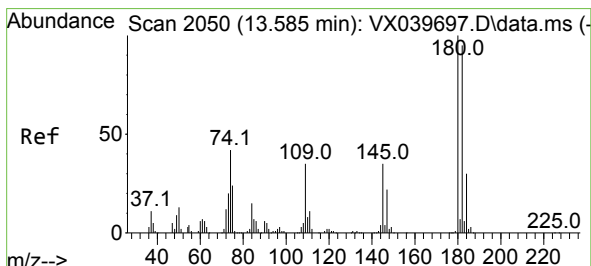
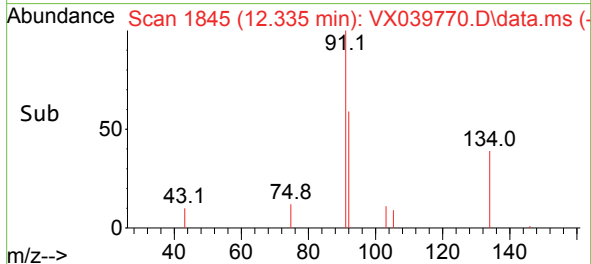
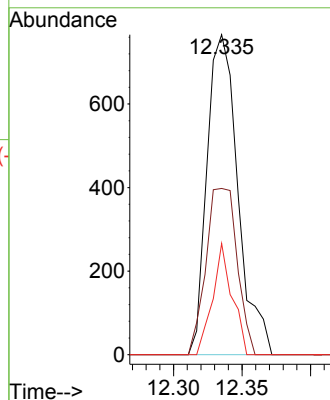
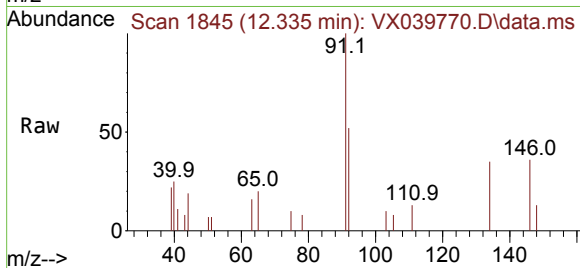
Tgt Ion: 91 Resp: 1199

Ion Ratio Lower Upper

91 100

92 52.5 27.4 82.0

134 21.9 12.6 37.8



#93

1,2,4-Trichlorobenzene

Concen: 0.231 ug/l

RT: 13.591 min Scan# 2051

Delta R.T. 0.006 min

Lab File: VX039770.D

Acq: 16 Jan 2024 13:39

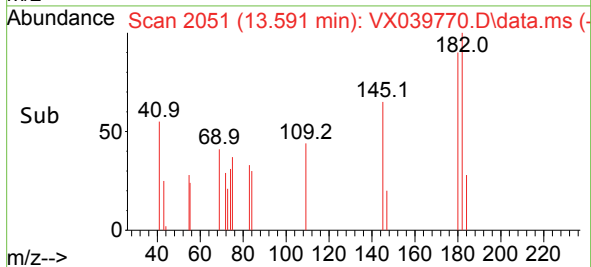
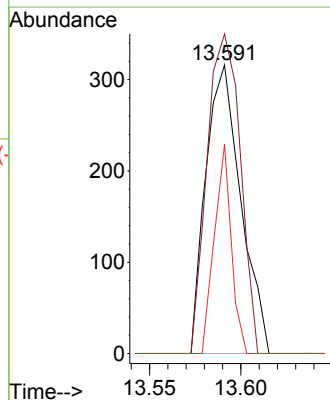
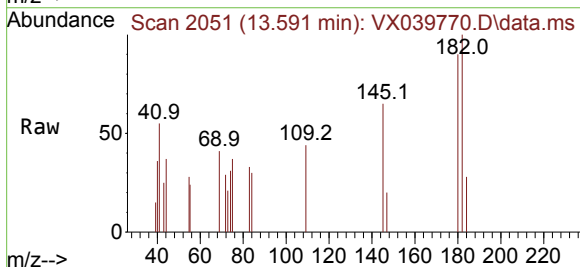
Tgt Ion: 180 Resp: 422

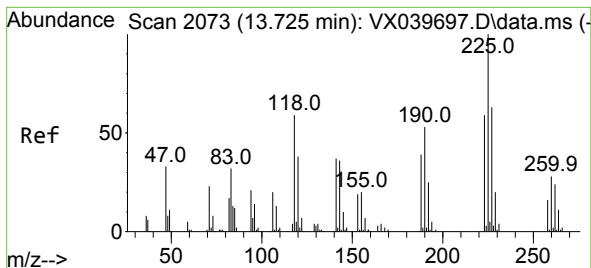
Ion Ratio Lower Upper

180 100

182 104.5 48.3 144.8

145 34.8 18.0 54.0





#94

Hexachlorobutadiene

Concen: 0.367 ug/l

RT: 13.725 min Scan# 2073

Delta R.T. 0.000 min

Lab File: VX039770.D

Acq: 16 Jan 2024 13:39

Instrument :

MSVOA_X

ClientSampleId :

MR-314-0-2

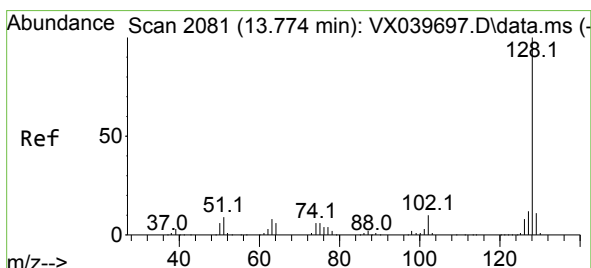
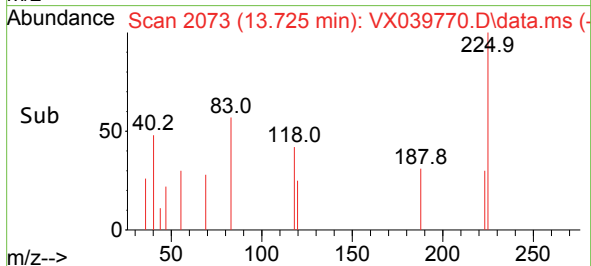
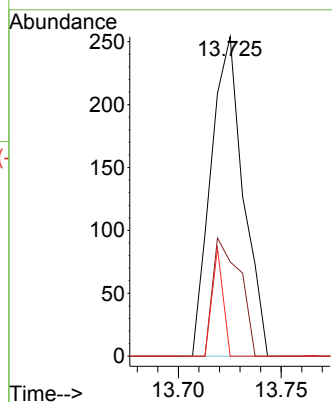
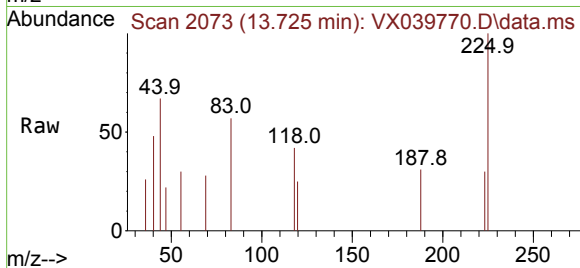
Tgt Ion:225 Resp: 278

Ion Ratio Lower Upper

225 100

223 22.3 31.1 93.2#

227 11.2 32.5 97.5#



#95

Naphthalene

Concen: 0.227 ug/l

RT: 13.780 min Scan# 2082

Delta R.T. 0.006 min

Lab File: VX039770.D

Acq: 16 Jan 2024 13:39

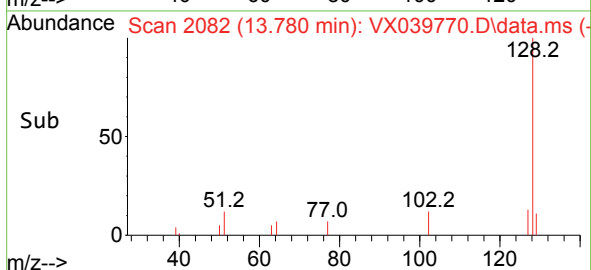
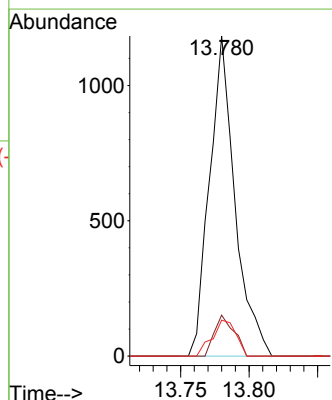
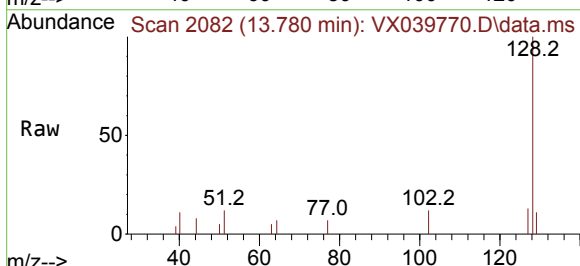
Tgt Ion:128 Resp: 1525

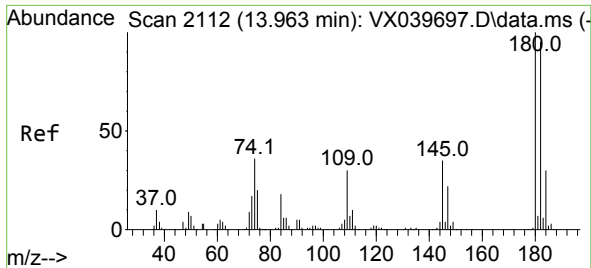
Ion Ratio Lower Upper

128 100

127 9.9 10.3 15.5#

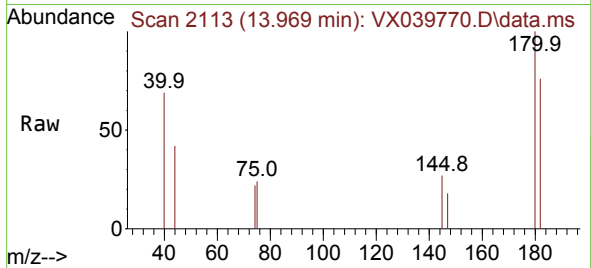
129 10.5 8.8 13.2





#96
 1,2,3-Trichlorobenzene
 Concen: 0.237 ug/l
 RT: 13.969 min Scan# 2113
 Delta R.T. 0.006 min
 Lab File: VX039770.D
 Acq: 16 Jan 2024 13:39

Instrument :
 MSVOA_X
 ClientSampleId :
 MR-314-0-2



Tgt Ion:	180	Resp:	436
Ion	Ratio	Lower	Upper
180	100		
182	103.2	46.9	140.6
145	33.3	17.8	53.5

