

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011124\
 Data File : VX039715.D
 Acq On : 11 Jan 2024 11:21
 Operator : JC/MD
 Sample : P1084-03 10X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jan 12 01:51:31 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)

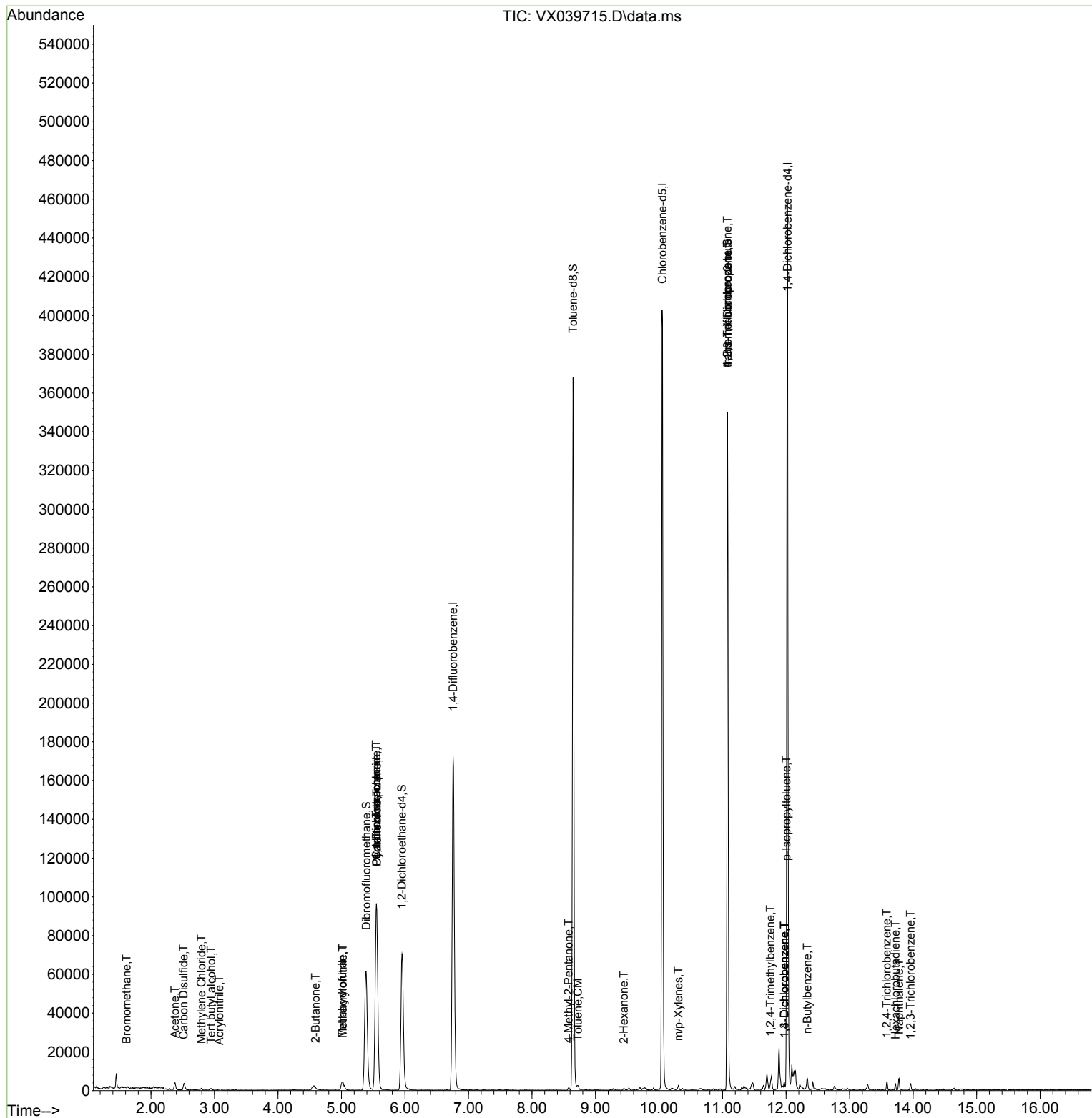
Internal Standards						
1) Pentafluorobenzene	5.556	168	85551	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	169876	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	176088	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	88640	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	68649	47.902	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	95.800%		
35) Dibromofluoromethane	5.391	113	54889	47.972	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.940%		
50) Toluene-d8	8.647	98	215445	49.925	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	99.840%		
62) 4-Bromofluorobenzene	11.079	95	92236	54.658	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	109.320%		
Target Compounds						
					Qvalue	
5) Bromomethane	1.618	94	193	0.284	ug/l #	3
11) Tert butyl alcohol	2.947	59	765	2.051	ug/l #	78
13) Acrolein	2.233	56	119	Below Cal	#	64
15) Acrylonitrile	3.075	53	239	0.310	ug/l #	79
16) Acetone	2.380	43	4075	5.056	ug/l #	85
17) Carbon Disulfide	2.514	76	1871	0.632	ug/l #	93
20) Methylene Chloride	2.794	84	417	0.342	ug/l #	61
25) 2-Butanone	4.593	43	1381	1.192	ug/l #	80
29) Tetrahydrofuran	5.013	42	4547	6.099	ug/l #	80
31) Cyclohexane	5.556	56	2392	1.265	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	8454	4.747	ug/l #	49
38) Carbon Tetrachloride	5.550	117	9529	5.842	ug/l #	15
41) Methacrylonitrile	5.019	41	2651	2.282	ug/l #	48
51) 4-Methyl-2-Pentanone	8.574	43	940	0.392	ug/l	97
52) Toluene	8.720	92	667	0.221	ug/l	88
59) 2-Hexanone	9.445	43	734	0.386	ug/l #	54
68) m/p-Xylenes	10.305	106	559	0.223	ug/l	73
76) 1,2,3-Trichloropropane	11.079	75	50686	22.056	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	50686	63.990	ug/l #	5
84) 1,2,4-Trimethylbenzene	11.756	105	1482	0.248	ug/l	99
86) p-Isopropyltoluene	12.006	119	1210	0.204	ug/l #	67
87) 1,3-Dichlorobenzene	11.975	146	764	0.254	ug/l	94
88) 1,4-Dichlorobenzene	11.975	146	764	0.246	ug/l	93
89) n-Butylbenzene	12.335	91	1913	0.334	ug/l	90
93) 1,2,4-Trichlorobenzene	13.585	180	970	0.533	ug/l	92
94) Hexachlorobutadiene	13.725	225	475	0.628	ug/l	93
95) Naphthalene	13.780	128	3696	0.552	ug/l #	94
96) 1,2,3-Trichlorobenzene	13.963	180	1016	0.553	ug/l	90

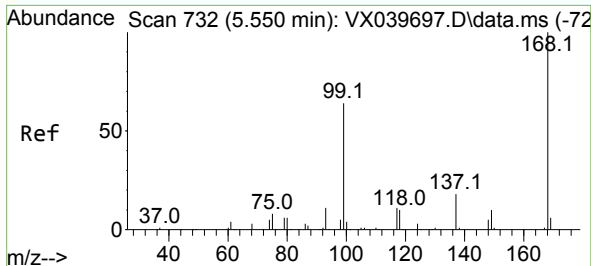
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011124\
Data File : VX039715.D
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MSVOA_X
ClientSampleId :

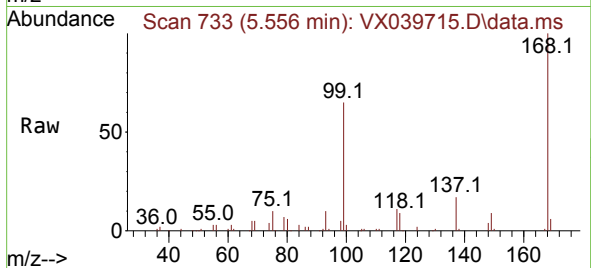
Quant Time: Jan 12 01:51:31 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011024W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 11 03:51:26 2024
Response via : Initial Calibration



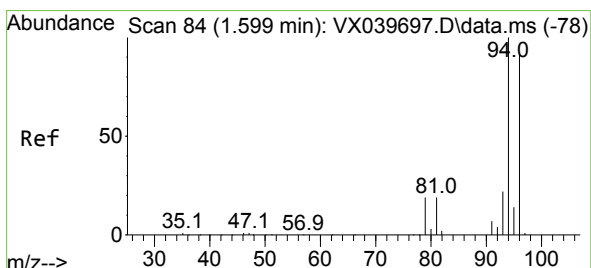
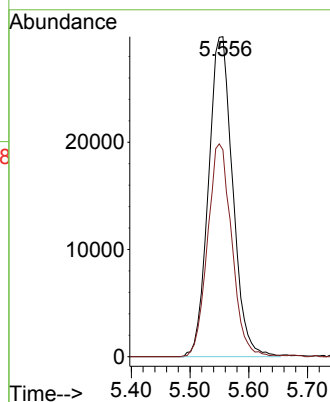
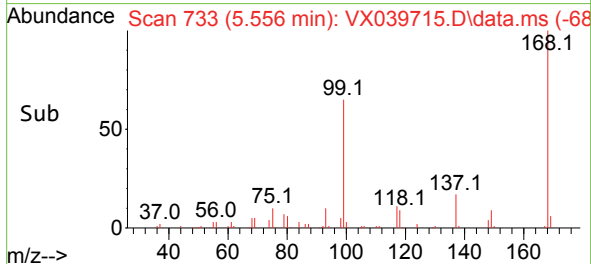


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX039715.D
Acq: 11 Jan 2024 11:21

Instrument :
MSVOA_X
ClientSampleId :

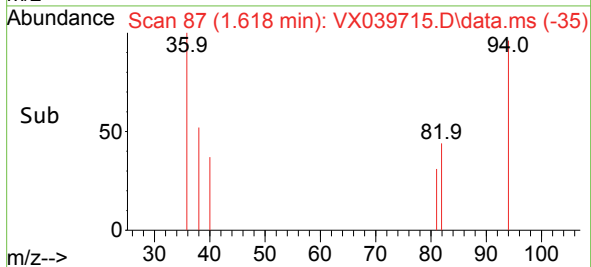
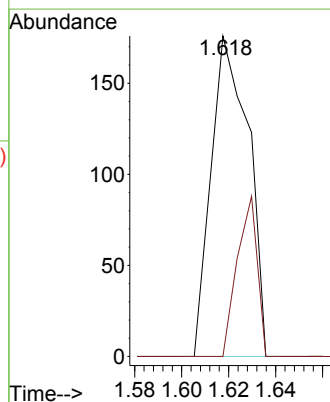
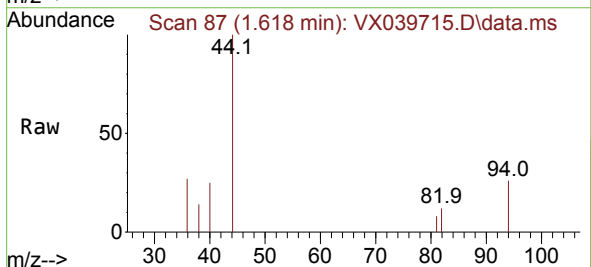


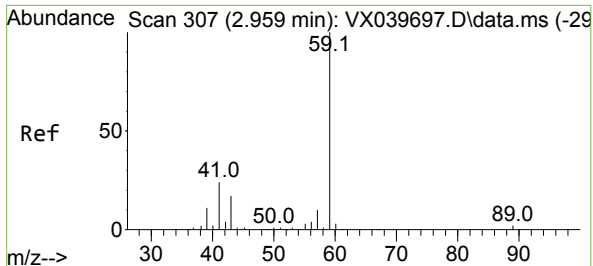
Tgt Ion:168 Resp: 85551
Ion Ratio Lower Upper
168 100
99 64.7 56.6 85.0



#5
Bromomethane
Concen: 0.284 ug/l
RT: 1.618 min Scan# 87
Delta R.T. 0.018 min
Lab File: VX039715.D
Acq: 11 Jan 2024 11:21

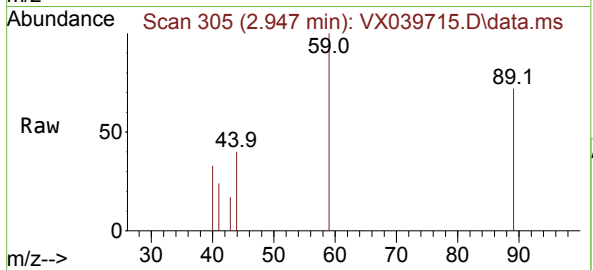
Tgt Ion: 94 Resp: 193
Ion Ratio Lower Upper
94 100
96 0.0 74.6 111.8#



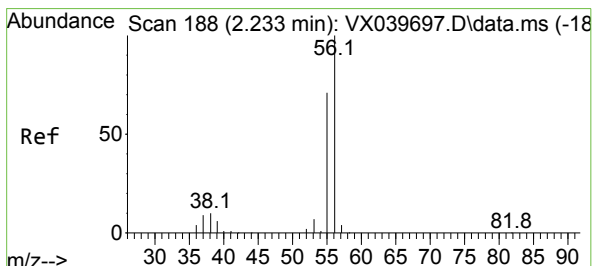
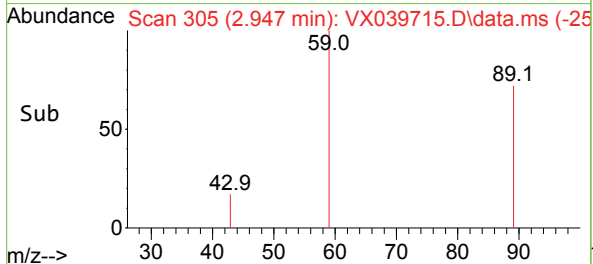
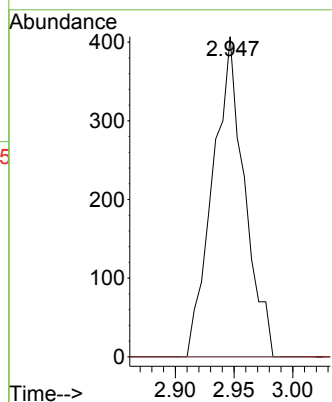


#11
Tert butyl alcohol
Concen: 2.051 ug/l
RT: 2.947 min Scan# 307
Delta R.T. -0.012 min
Lab File: VX039715.D
Acq: 11 Jan 2024 11:21

Instrument :
MSVOA_X
ClientSampleId :

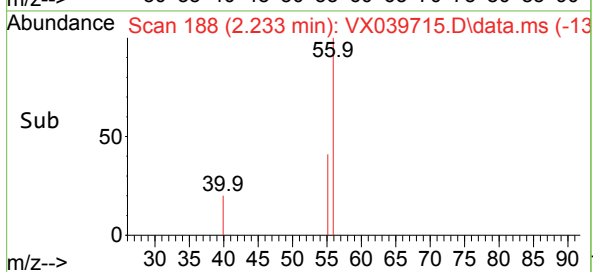
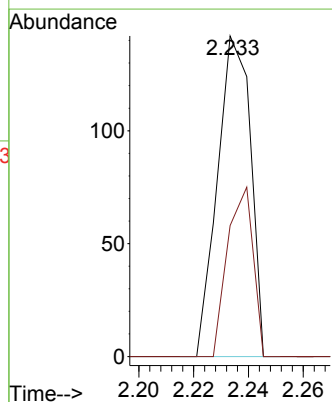
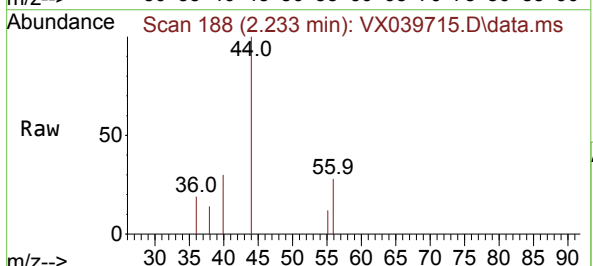


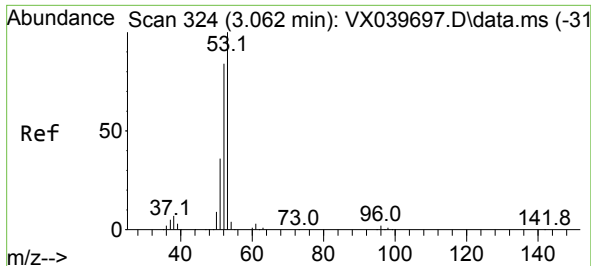
Tgt Ion: 59 Resp: 765
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#



#13
Acrolein
Concen: Below Cal
RT: 2.233 min Scan# 188
Delta R.T. 0.000 min
Lab File: VX039715.D
Acq: 11 Jan 2024 11:21

Tgt Ion: 56 Resp: 119
Ion Ratio Lower Upper
56 100
55 41.2 57.1 85.7#

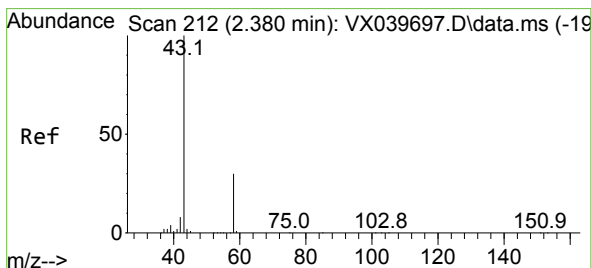
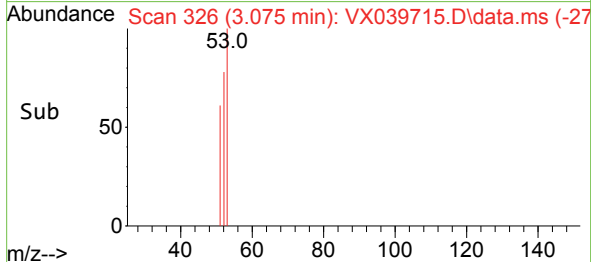
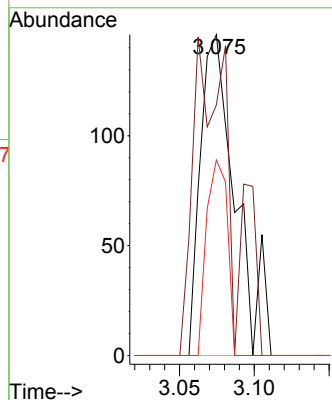
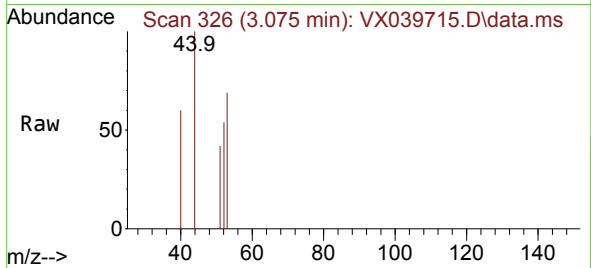




#15
Acrylonitrile
Concen: 0.310 ug/l
RT: 3.075 min Scan# 31
Delta R.T. 0.012 min
Lab File: VX039715.D
Acq: 11 Jan 2024 11:21

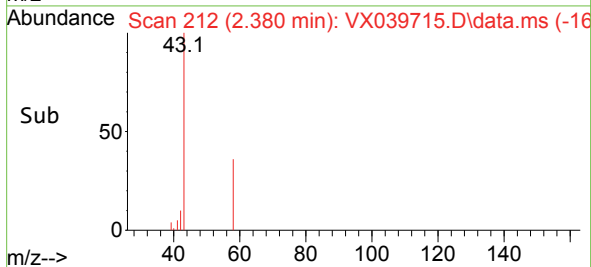
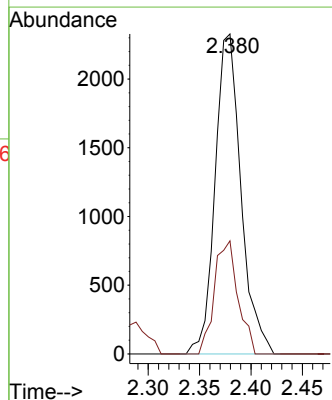
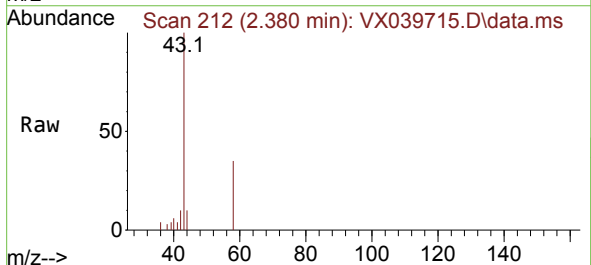
Instrument :
MSVOA_X
ClientSampleId :

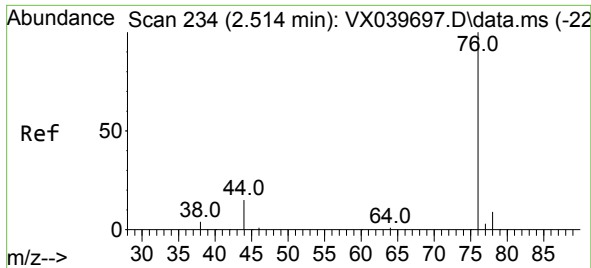
Tgt Ion: 53 Resp: 239
Ion Ratio Lower Upper
53 100
52 109.2 66.0 99.0#
51 36.0 29.8 44.6



#16
Acetone
Concen: 5.056 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.000 min
Lab File: VX039715.D
Acq: 11 Jan 2024 11:21

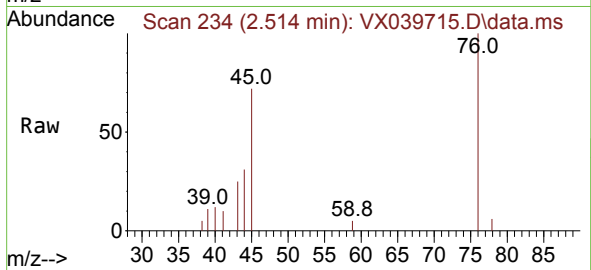
Tgt Ion: 43 Resp: 4075
Ion Ratio Lower Upper
43 100
58 35.4 21.9 32.9#



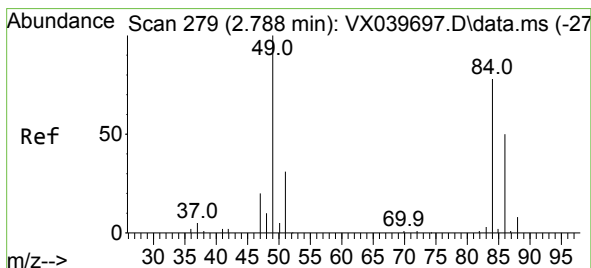
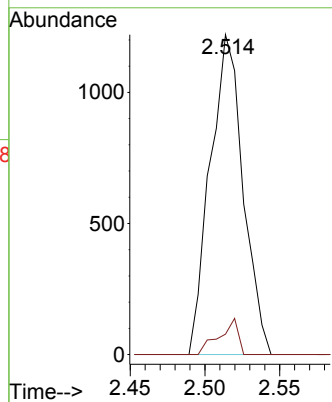
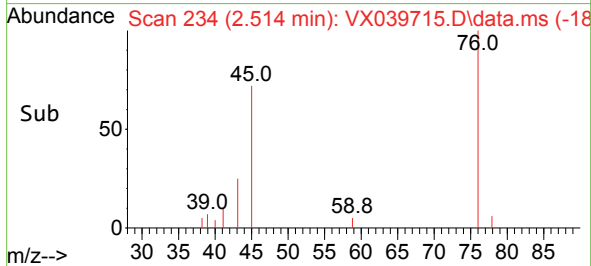


#17
Carbon Disulfide
Concen: 0.632 ug/l
RT: 2.514 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX039715.D
Acq: 11 Jan 2024 11:21

Instrument :
MSVOA_X
ClientSampleId :

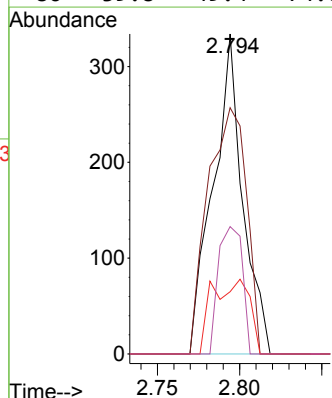
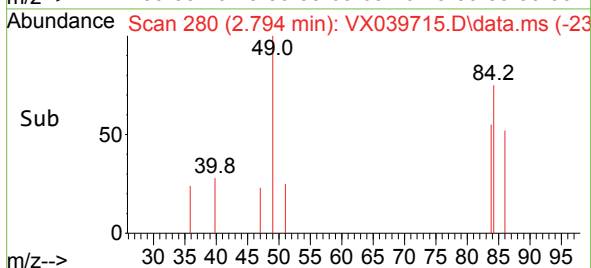
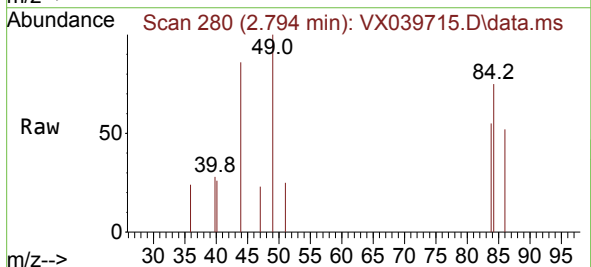


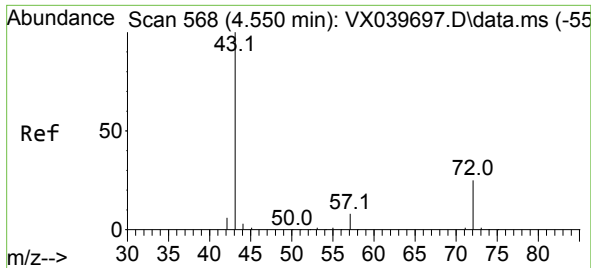
Tgt Ion: 76 Resp: 1871
Ion Ratio Lower Upper
76 100
78 6.4 7.0 10.6#



#20
Methylene Chloride
Concen: 0.342 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX039715.D
Acq: 11 Jan 2024 11:21

Tgt Ion: 84 Resp: 417
Ion Ratio Lower Upper
84 100
49 76.9 103.6 155.4#
51 19.5 33.8 50.6#
86 39.8 49.4 74.0#





#25

2-Butanone

Concen: 1.192 ug/l

RT: 4.593 min Scan# 51

Delta R.T. 0.043 min

Lab File: VX039715.D

Acq: 11 Jan 2024 11:21

Instrument :

MSVOA_X

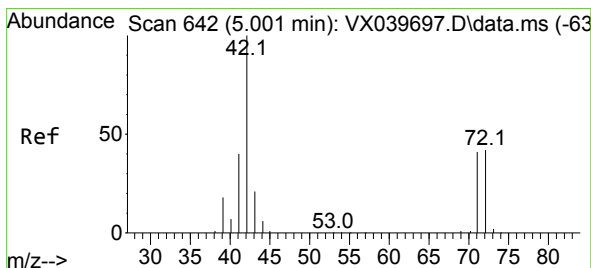
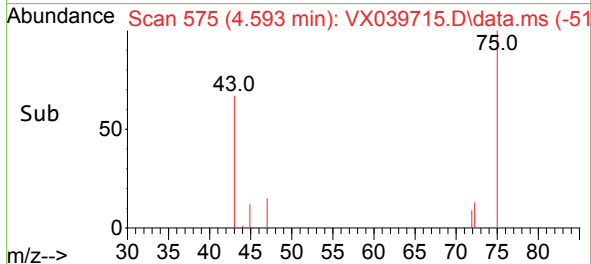
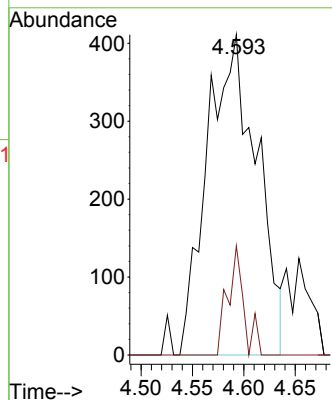
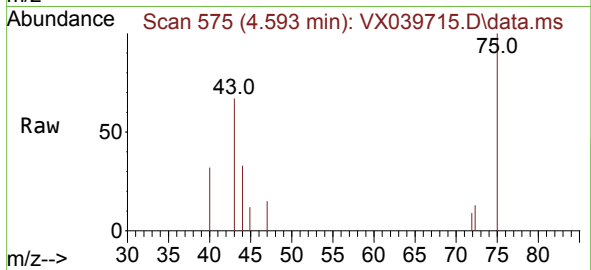
ClientSampleId :

Tgt Ion: 43 Resp: 1381

Ion Ratio Lower Upper

43 100

72 34.1 19.4 29.2#



#29

Tetrahydrofuran

Concen: 6.099 ug/l

RT: 5.013 min Scan# 644

Delta R.T. 0.012 min

Lab File: VX039715.D

Acq: 11 Jan 2024 11:21

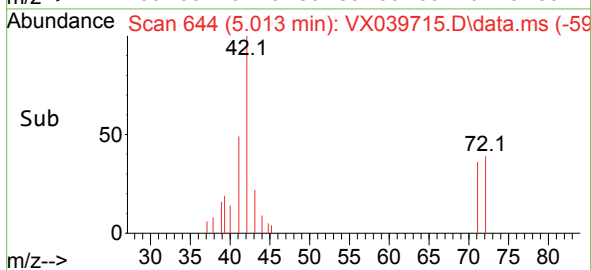
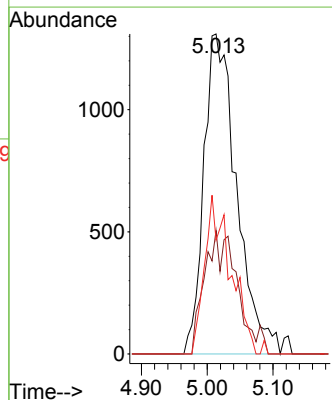
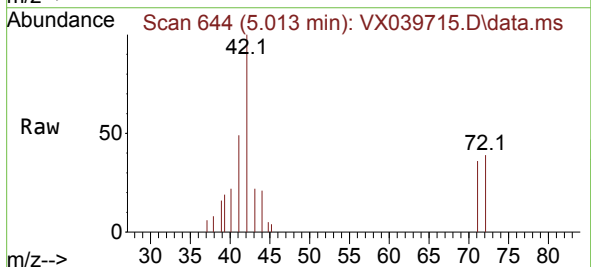
Tgt Ion: 42 Resp: 4547

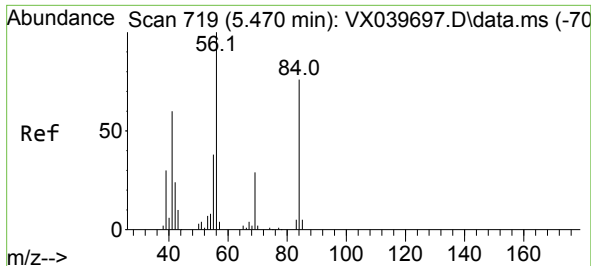
Ion Ratio Lower Upper

42 100

72 18.9 34.2 51.4#

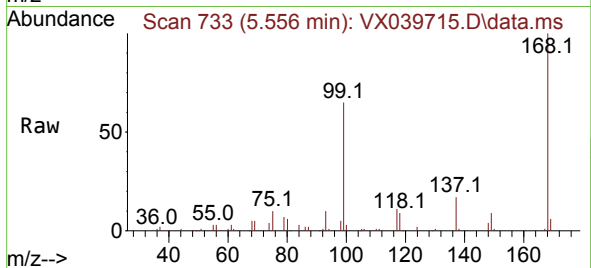
71 39.2 32.2 48.2



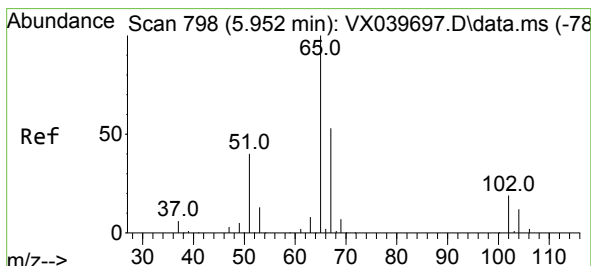
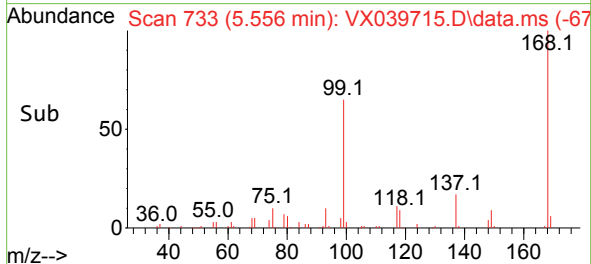
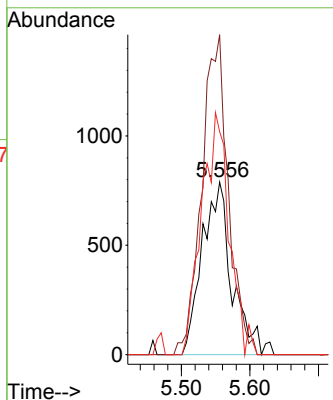


#31
Cyclohexane
Concen: 1.265 ug/l
RT: 5.556 min Scan# 719
Delta R.T. 0.085 min
Lab File: VX039715.D
Acq: 11 Jan 2024 11:21

Instrument :
MSVOA_X
ClientSampleId :

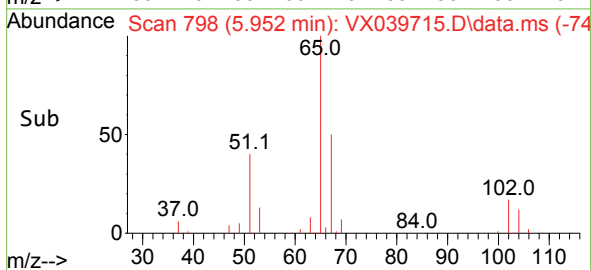
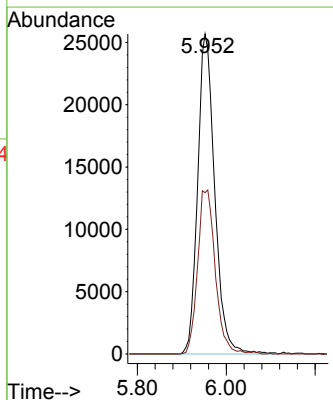
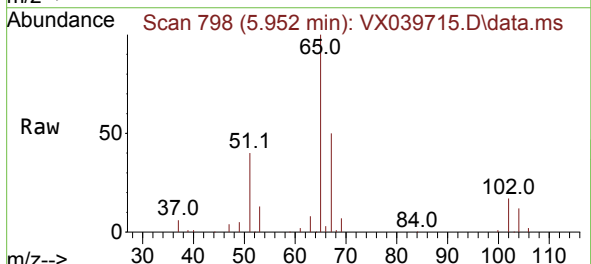


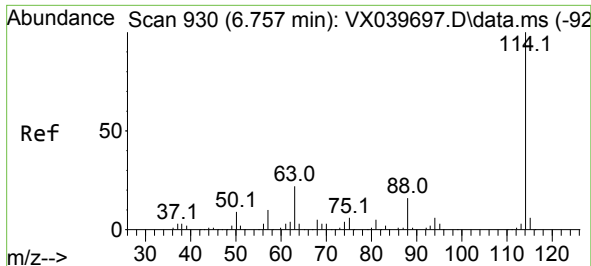
Tgt Ion: 56 Resp: 2392
Ion Ratio Lower Upper
56 100
69 185.4 23.4 35.2#
84 129.3 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 47.902 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX039715.D
Acq: 11 Jan 2024 11:21

Tgt Ion: 65 Resp: 68649
Ion Ratio Lower Upper
65 100
67 53.1 0.0 100.2

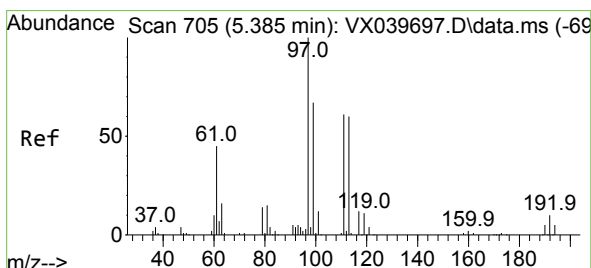
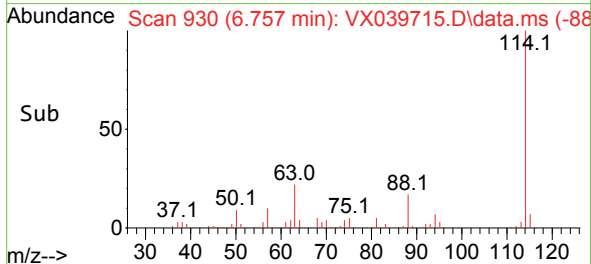
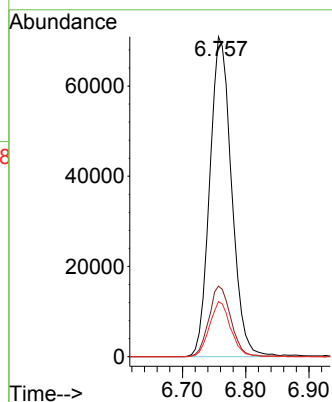
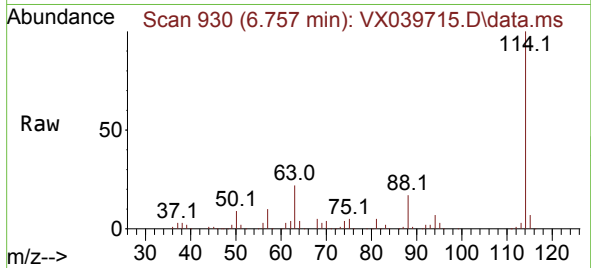




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX039715.D
Acq: 11 Jan 2024 11:21

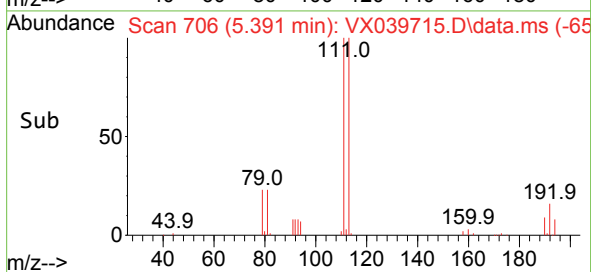
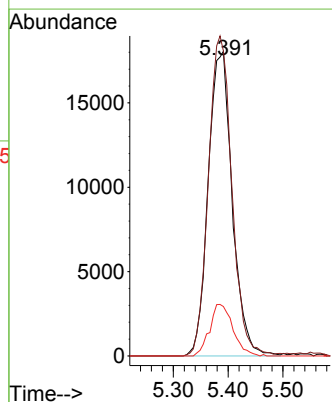
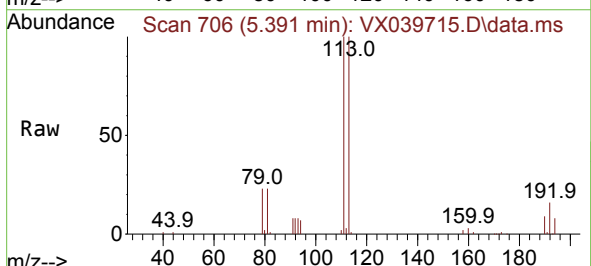
Instrument :
MSVOA_X
ClientSampleId :

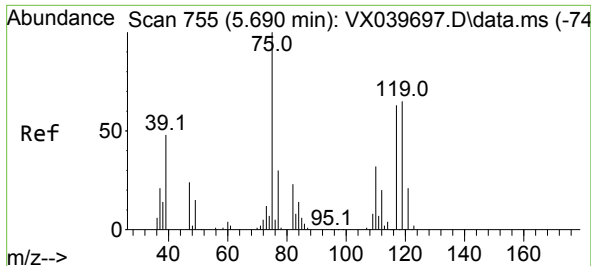
Tgt Ion:114 Resp: 169876
Ion Ratio Lower Upper
114 100
63 22.1 0.0 45.0
88 17.2 0.0 36.6



#35
Dibromofluoromethane
Concen: 47.972 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.006 min
Lab File: VX039715.D
Acq: 11 Jan 2024 11:21

Tgt Ion:113 Resp: 54889
Ion Ratio Lower Upper
113 100
111 102.5 82.9 124.3
192 16.5 13.3 19.9





#36

1,1-Dichloropropene

Concen: 4.747 ug/l

RT: 5.550 min Scan# 71

Delta R.T. -0.140 min

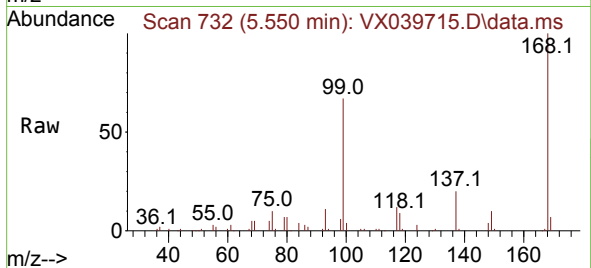
Lab File: VX039715.D

Acq: 11 Jan 2024 11:21

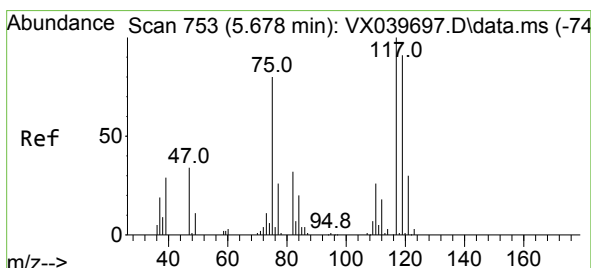
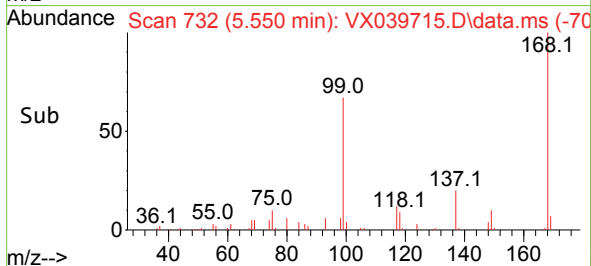
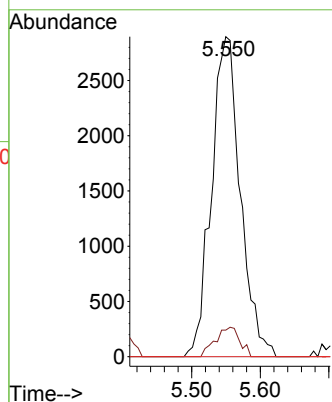
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 75	Resp: 8454
Ion Ratio	Lower Upper
75	100
110	7.8 17.0 50.9#
77	0.0 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 5.842 ug/l

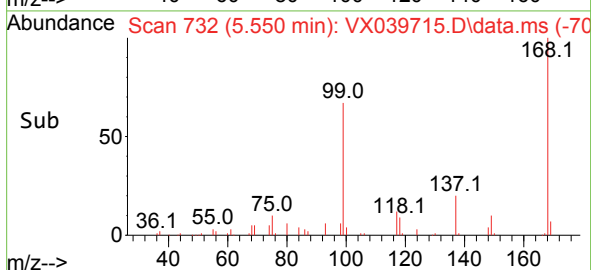
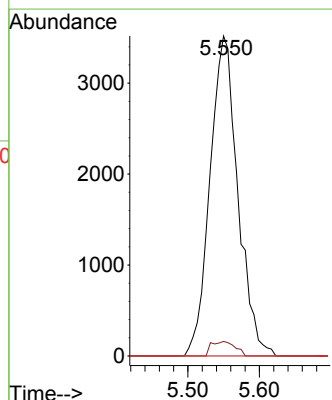
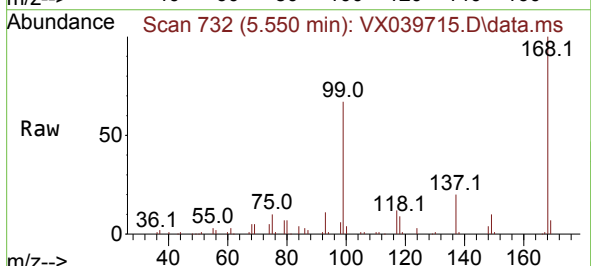
RT: 5.550 min Scan# 732

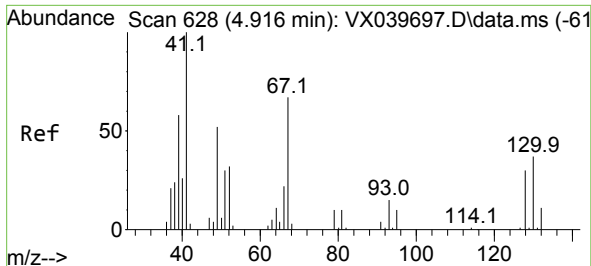
Delta R.T. -0.128 min

Lab File: VX039715.D

Acq: 11 Jan 2024 11:21

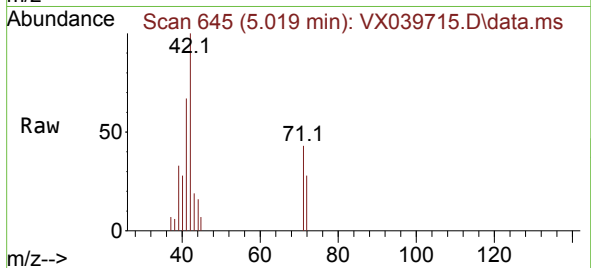
Tgt Ion: 117	Resp: 9529
Ion Ratio	Lower Upper
117	100
119	4.5 78.2 117.2#
121	0.0 24.4 36.6#



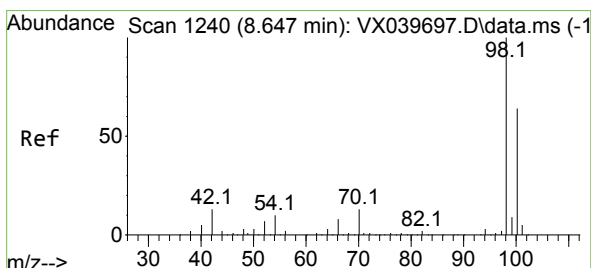
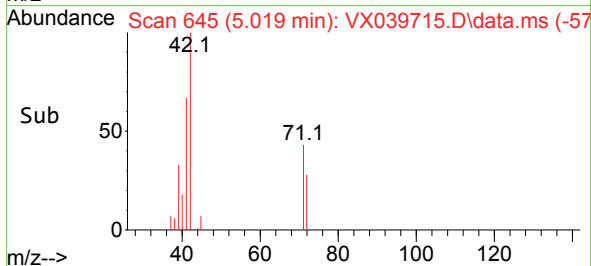
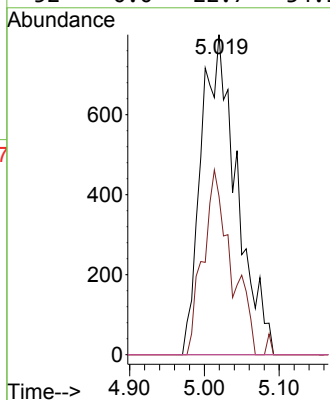


#41
Methacrylonitrile
Concen: 2.282 ug/l
RT: 5.019 min Scan# 645
Delta R.T. 0.104 min
Lab File: VX039715.D
Acq: 11 Jan 2024 11:21

Instrument :
MSVOA_X
ClientSampleId :

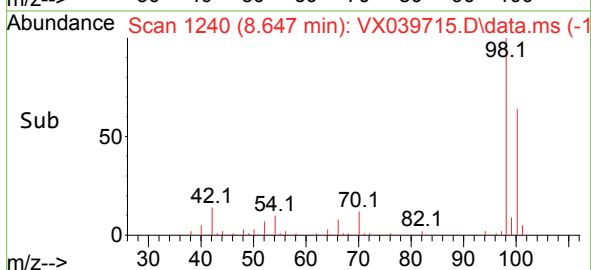
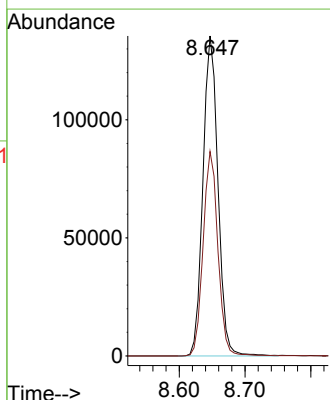
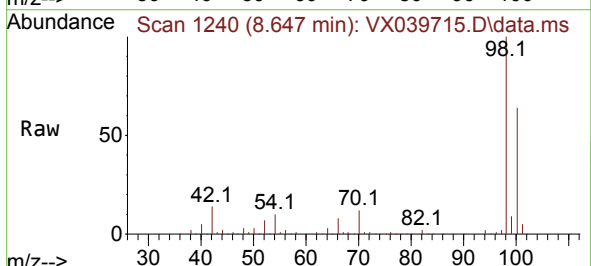


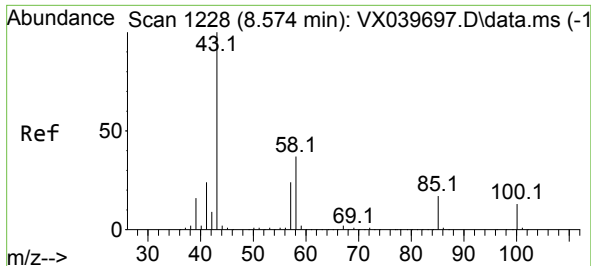
Tgt Ion: 41 Resp: 2651
Ion Ratio Lower Upper
41 100
39 45.7 45.2 67.8
67 0.0 52.6 78.8#
52 0.0 22.7 34.1#



#50
Toluene-d8
Concen: 49.925 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX039715.D
Acq: 11 Jan 2024 11:21

Tgt Ion: 98 Resp: 215445
Ion Ratio Lower Upper
98 100
100 62.9 53.1 79.7

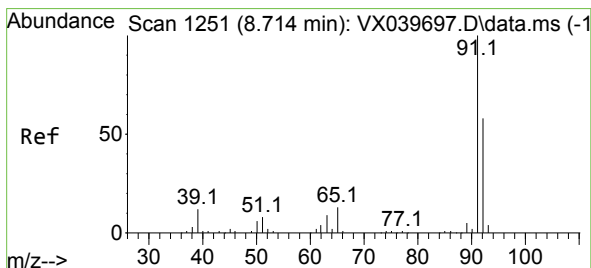
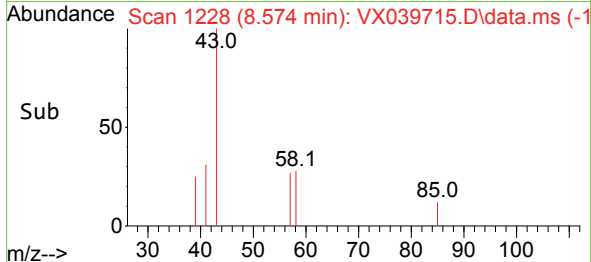
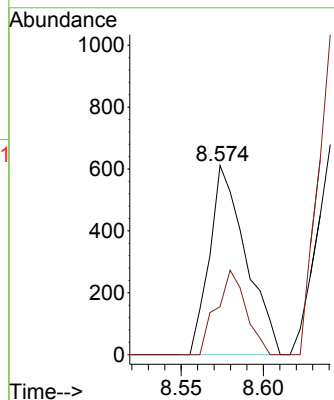
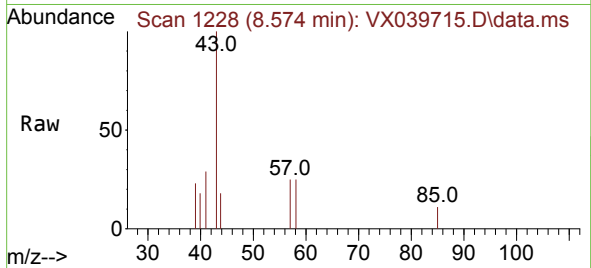




#51
4-Methyl-2-Pentanone
Concen: 0.392 ug/l
RT: 8.574 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX039715.D
Acq: 11 Jan 2024 11:21

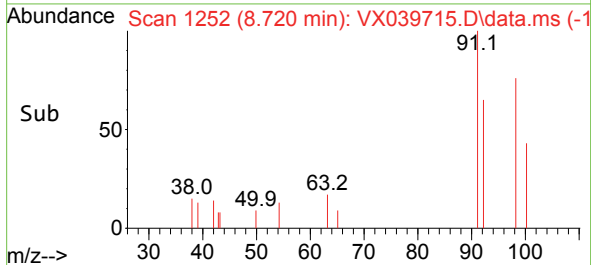
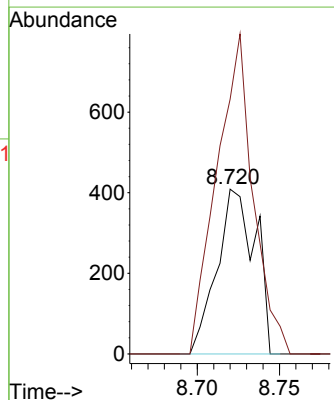
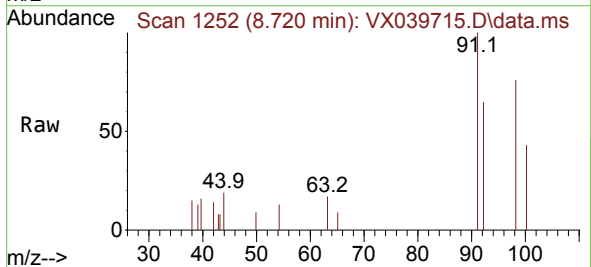
Instrument :
MSVOA_X
ClientSampleId :

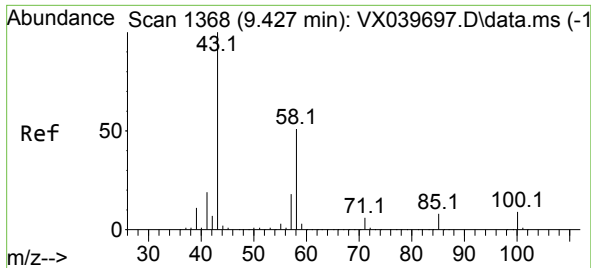
Tgt Ion: 43 Resp: 940
Ion Ratio Lower Upper
43 100
58 36.3 30.4 45.6



#52
Toluene
Concen: 0.221 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.006 min
Lab File: VX039715.D
Acq: 11 Jan 2024 11:21

Tgt Ion: 92 Resp: 667
Ion Ratio Lower Upper
92 100
91 183.8 134.2 201.2

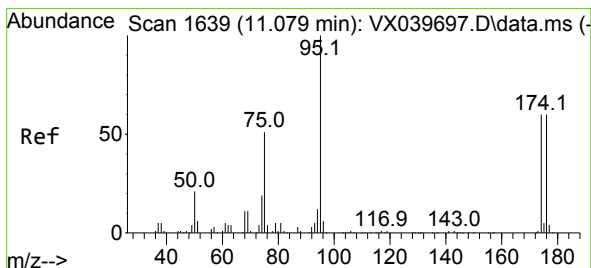
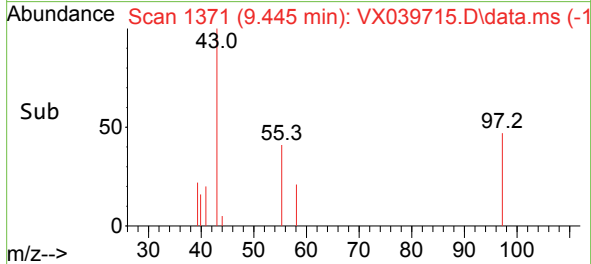
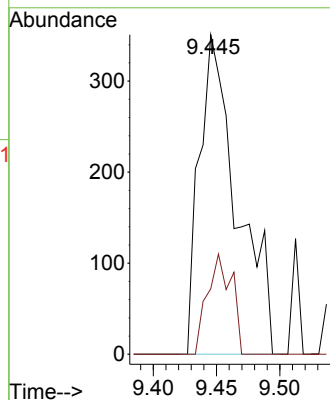
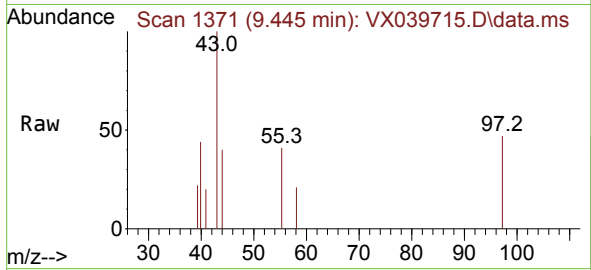




#59
2-Hexanone
Concen: 0.386 ug/l
RT: 9.445 min Scan# 11
Delta R.T. 0.018 min
Lab File: VX039715.D
Acq: 11 Jan 2024 11:21

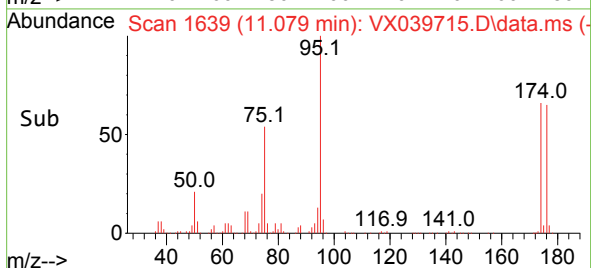
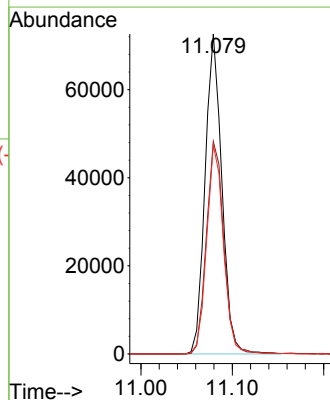
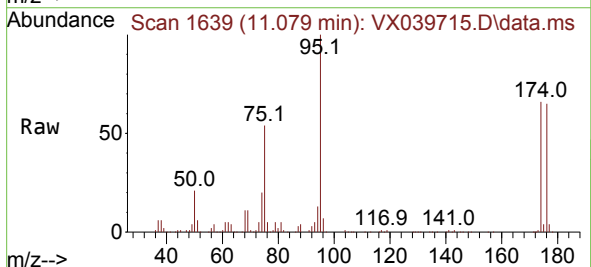
Instrument :
MSVOA_X
ClientSampleId :

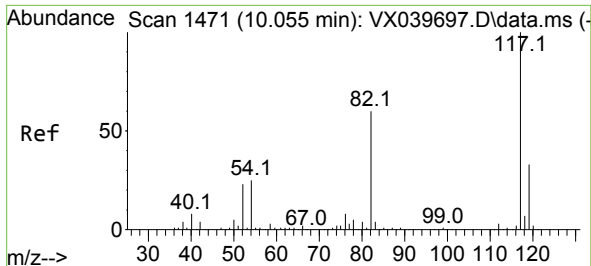
Tgt Ion: 43 Resp: 734
Ion Ratio Lower Upper
43 100
58 20.0 26.2 78.5#



#62
4-Bromofluorobenzene
Concen: 54.658 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX039715.D
Acq: 11 Jan 2024 11:21

Tgt Ion: 95 Resp: 92236
Ion Ratio Lower Upper
95 100
174 69.0 0.0 135.6
176 65.6 0.0 131.0

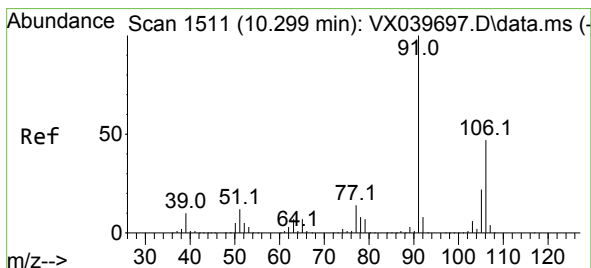
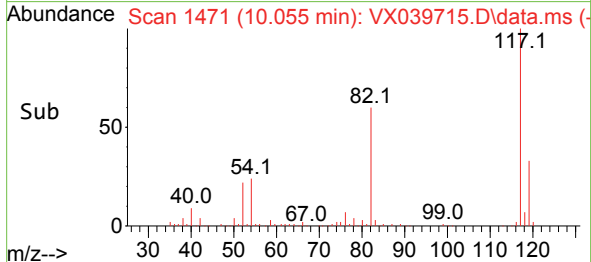
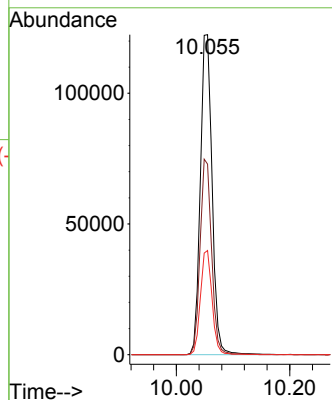
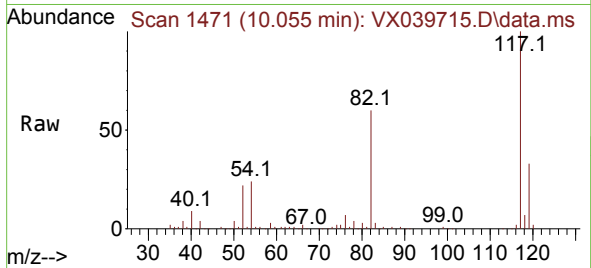




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX039715.D
Acq: 11 Jan 2024 11:21

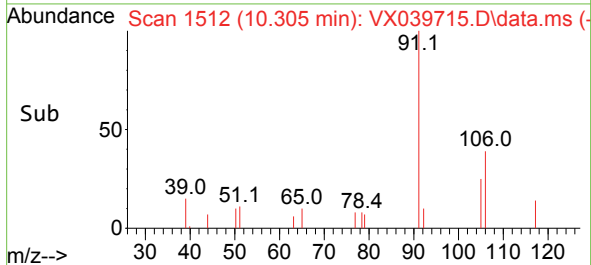
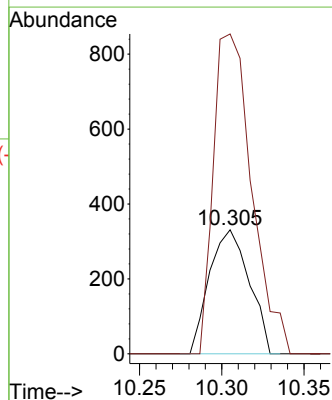
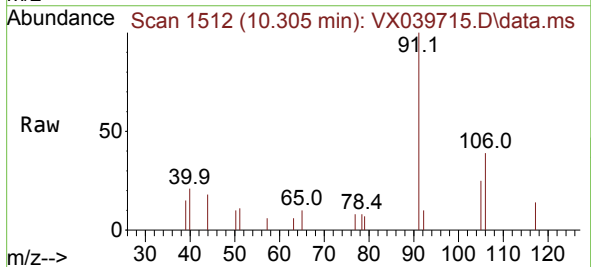
Instrument :
MSVOA_X
ClientSampleId :

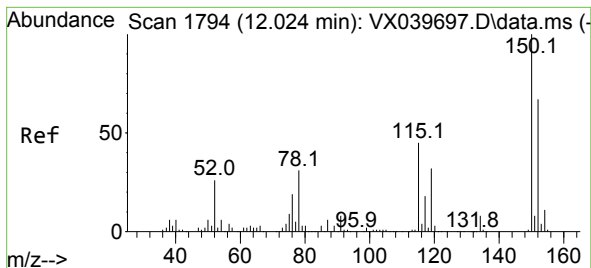
Tgt Ion:117 Resp: 176088
Ion Ratio Lower Upper
117 100
82 59.5 46.2 69.4
119 32.6 25.5 38.3



#68
m/p-Xylenes
Concen: 0.223 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.006 min
Lab File: VX039715.D
Acq: 11 Jan 2024 11:21

Tgt Ion:106 Resp: 559
Ion Ratio Lower Upper
106 100
91 248.1 165.5 248.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1

Delta R.T. 0.000 min

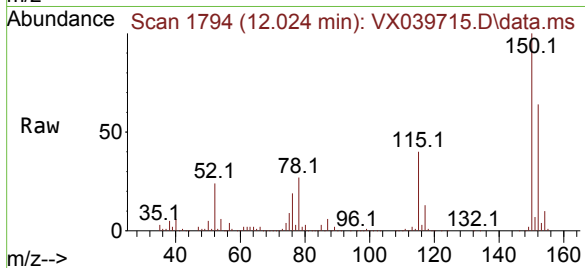
Lab File: VX039715.D

Acq: 11 Jan 2024 11:21

Instrument :

MSVOA_X

ClientSampleId :



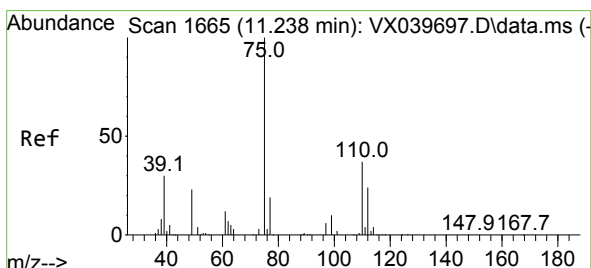
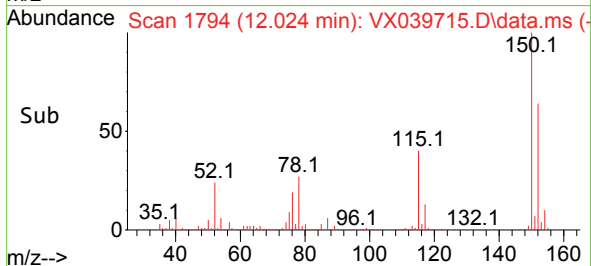
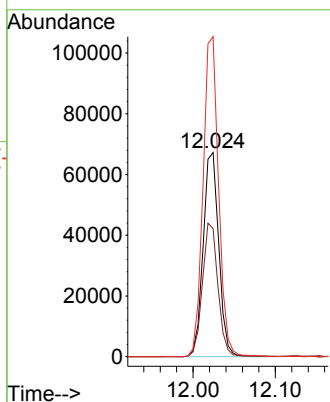
Tgt Ion:152 Resp: 88640

Ion Ratio Lower Upper

152 100

115 65.1 43.3 129.9

150 156.3 0.0 345.0



#76

1,2,3-Trichloropropane

Concen: 22.056 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX039715.D

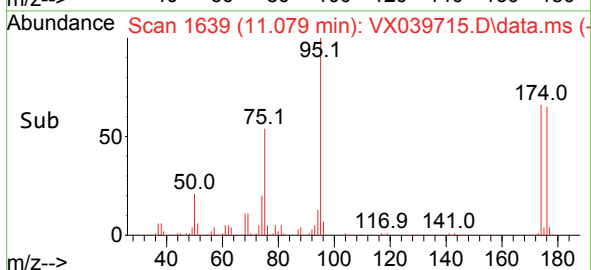
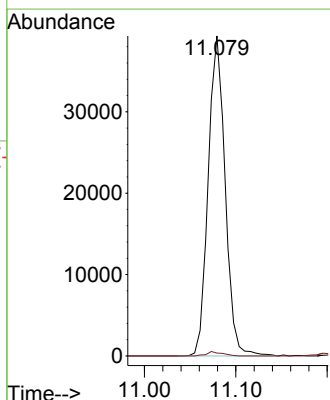
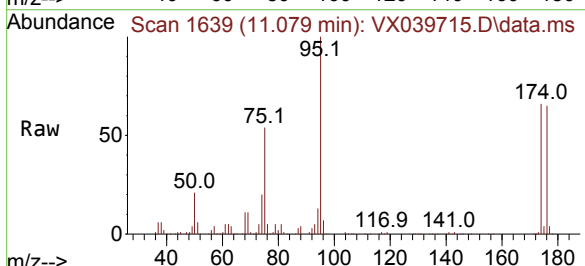
Acq: 11 Jan 2024 11:21

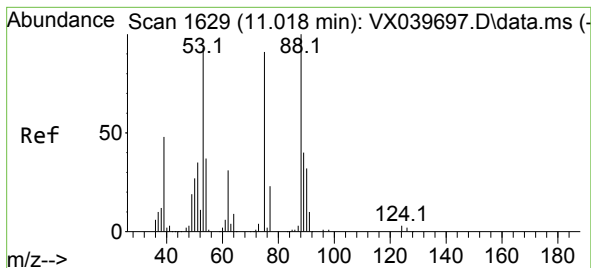
Tgt Ion: 75 Resp: 50686

Ion Ratio Lower Upper

75 100

77 1.2 19.1 57.5#

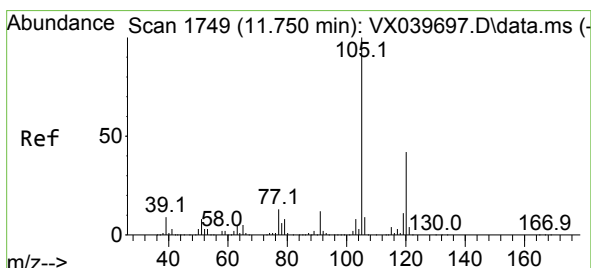
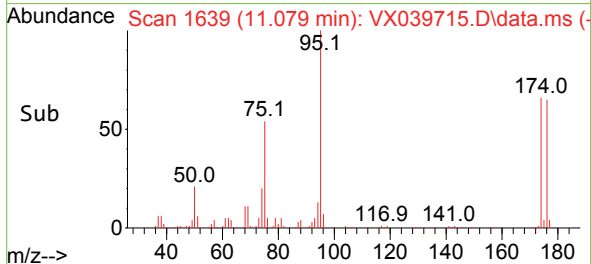
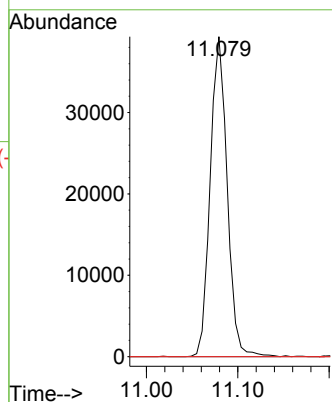
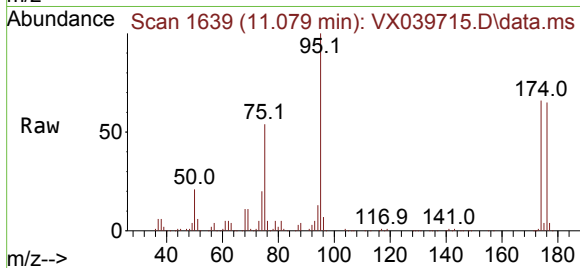




#81
trans-1,4-Dichloro-2-butene
Concen: 63.990 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX039715.D
Acq: 11 Jan 2024 11:21

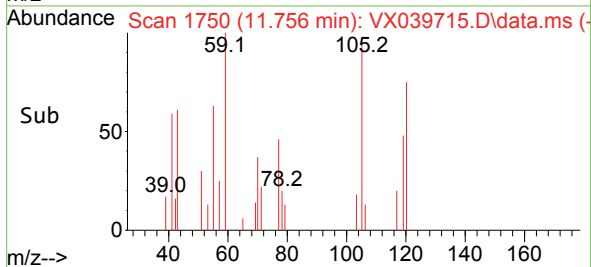
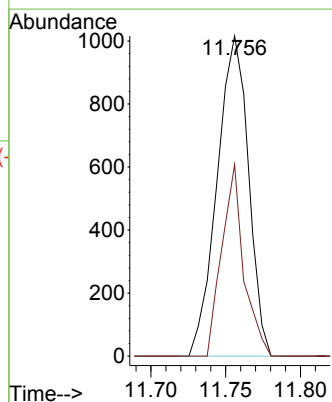
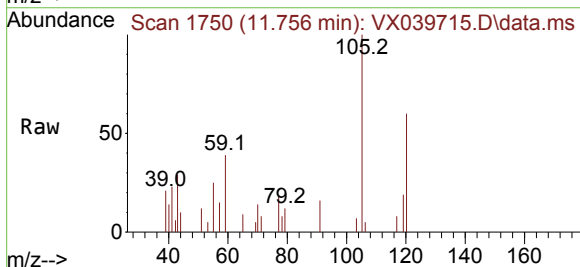
Instrument :
MSVOA_X
ClientSampleId :

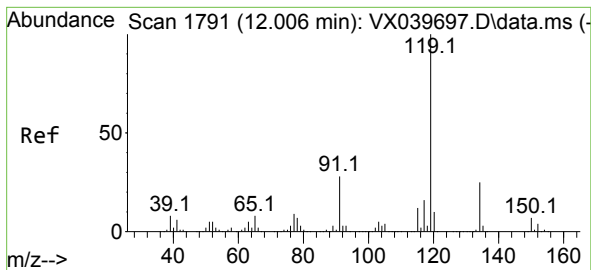
Tgt Ion: 75 Resp: 50686
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#



#84
1,2,4-Trimethylbenzene
Concen: 0.248 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VX039715.D
Acq: 11 Jan 2024 11:21

Tgt Ion: 105 Resp: 1482
Ion Ratio Lower Upper
105 100
120 41.8 21.2 63.6





#86

p-Isopropyltoluene

Concen: 0.204 ug/l

RT: 12.006 min Scan# 1791

Delta R.T. 0.000 min

Lab File: VX039715.D

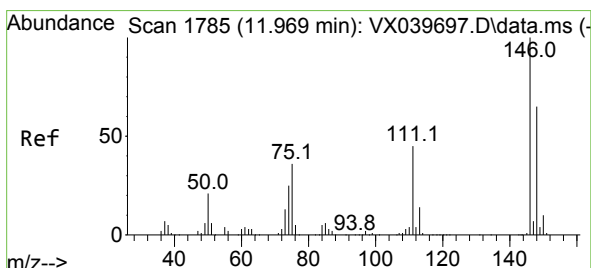
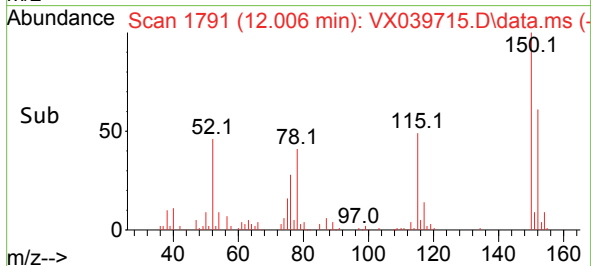
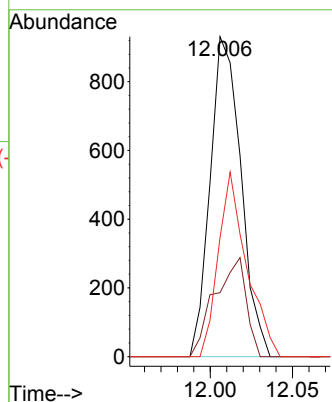
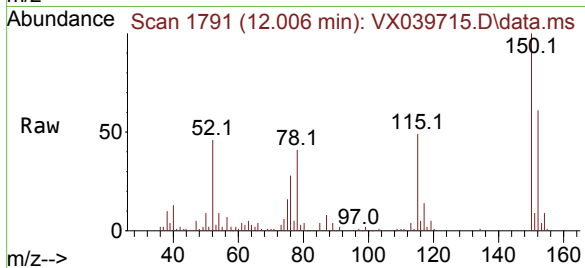
Acq: 11 Jan 2024 11:21

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion:119	Resp:	1210
Ion Ratio	Lower	Upper
119	100	
134	31.7	12.8 38.3
91	53.3	13.1 39.3#



#87

1,3-Dichlorobenzene

Concen: 0.254 ug/l

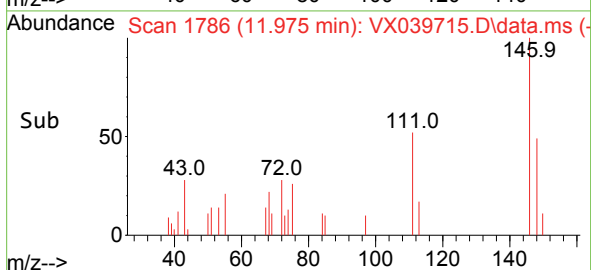
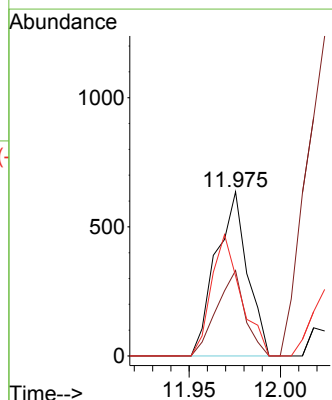
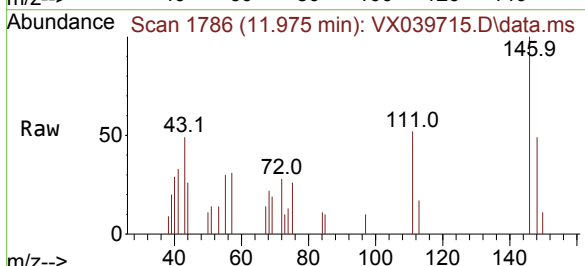
RT: 11.975 min Scan# 1786

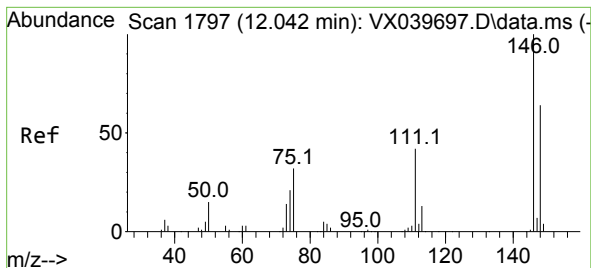
Delta R.T. 0.006 min

Lab File: VX039715.D

Acq: 11 Jan 2024 11:21

Tgt Ion:146	Resp:	764
Ion Ratio	Lower	Upper
146	100	
111	46.7	22.1 66.1
148	69.1	31.8 95.3





#88

1,4-Dichlorobenzene

Concen: 0.246 ug/l

RT: 11.975 min Scan# 1786

Delta R.T. -0.067 min

Lab File: VX039715.D

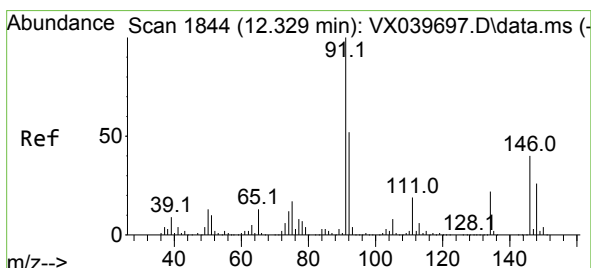
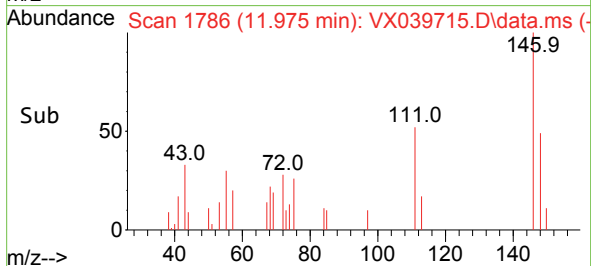
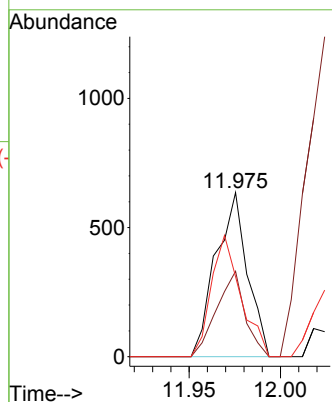
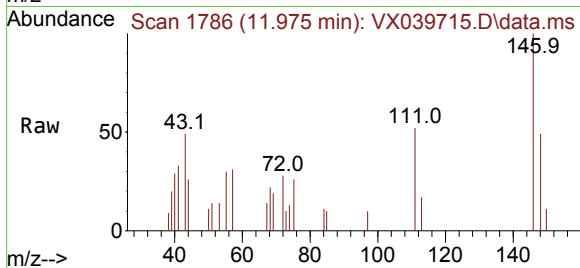
Acq: 11 Jan 2024 11:21

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion:146	Resp:	764
Ion	Ratio	Lower Upper
146	100	
111	46.7	21.3 63.7
148	69.1	31.8 95.4



#89

n-Butylbenzene

Concen: 0.334 ug/l

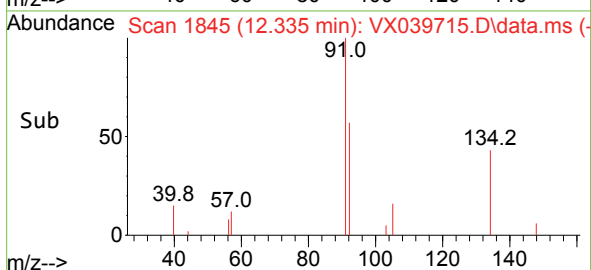
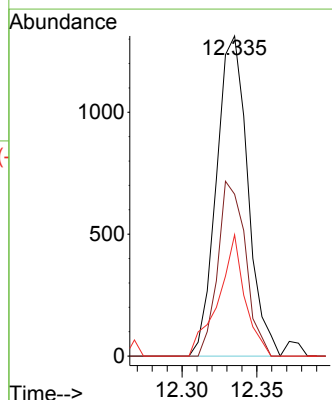
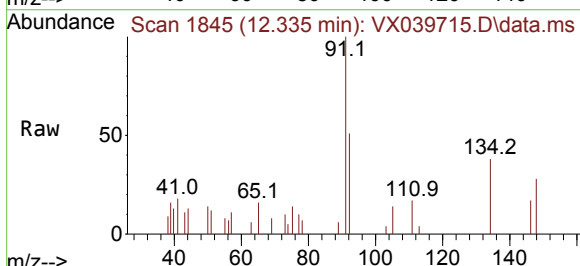
RT: 12.335 min Scan# 1845

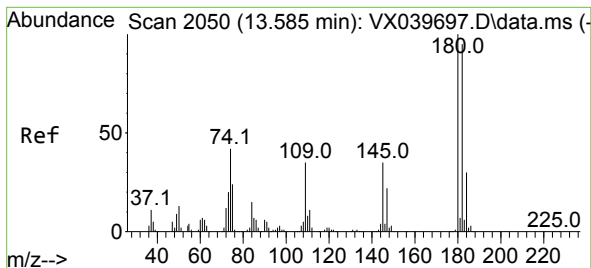
Delta R.T. 0.006 min

Lab File: VX039715.D

Acq: 11 Jan 2024 11:21

Tgt Ion: 91	Resp:	1913
Ion	Ratio	Lower Upper
91	100	
92	48.5	27.4 82.0
134	32.2	12.6 37.8





#93

1,2,4-Trichlorobenzene

Concen: 0.533 ug/l

RT: 13.585 min Scan# 2050

Delta R.T. 0.000 min

Lab File: VX039715.D

Acq: 11 Jan 2024 11:21

Instrument :

MSVOA_X

ClientSampleId :

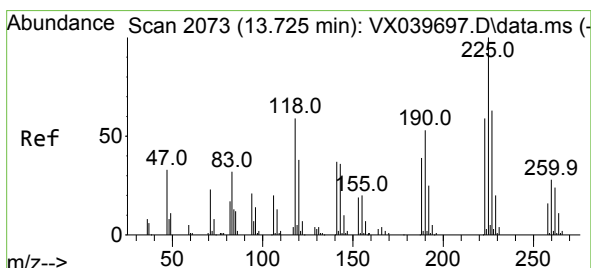
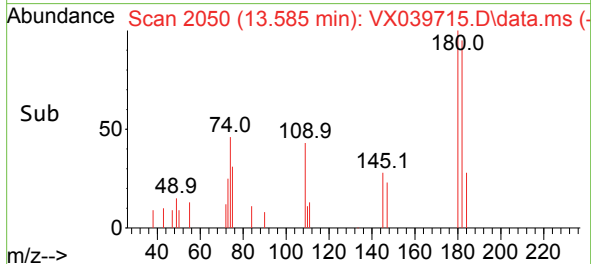
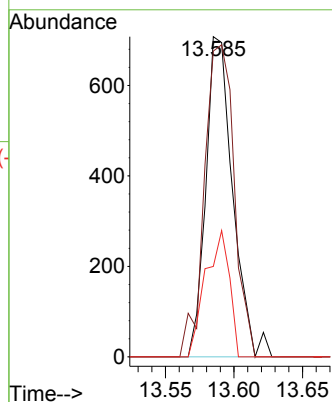
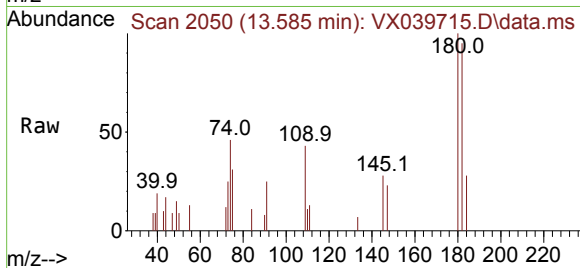
Tgt Ion:180 Resp: 970

Ion Ratio Lower Upper

180 100

182 107.1 48.3 144.8

145 34.7 18.0 54.0



#94

Hexachlorobutadiene

Concen: 0.628 ug/l

RT: 13.725 min Scan# 2073

Delta R.T. 0.000 min

Lab File: VX039715.D

Acq: 11 Jan 2024 11:21

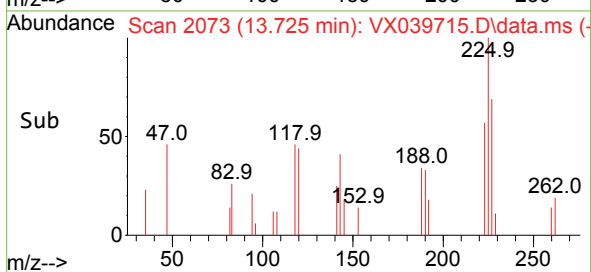
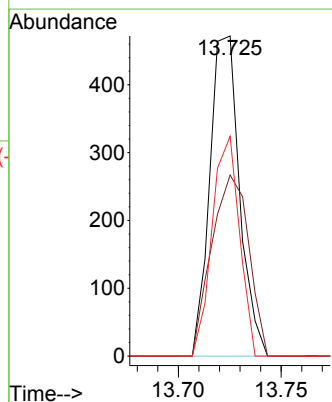
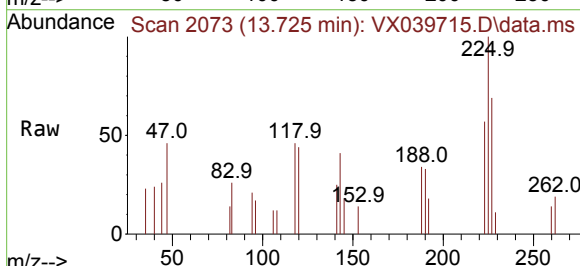
Tgt Ion:225 Resp: 475

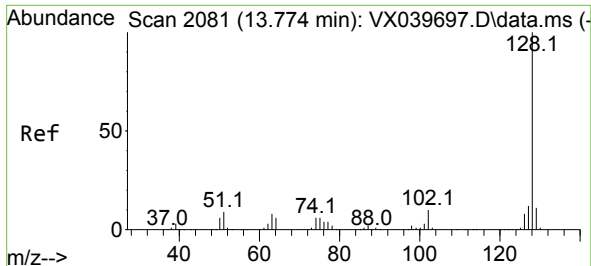
Ion Ratio Lower Upper

225 100

223 70.5 31.1 93.2

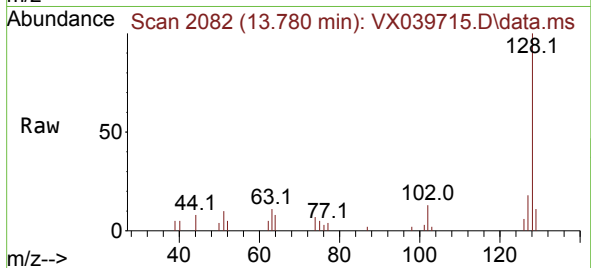
227 62.7 32.5 97.5



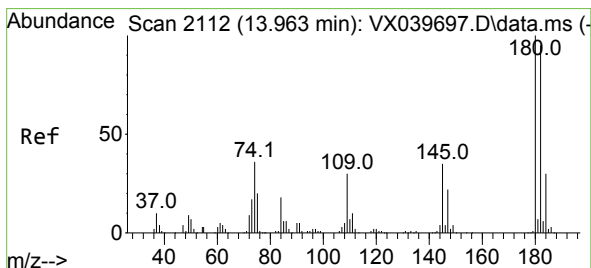
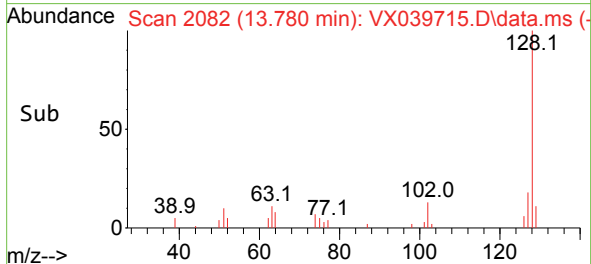
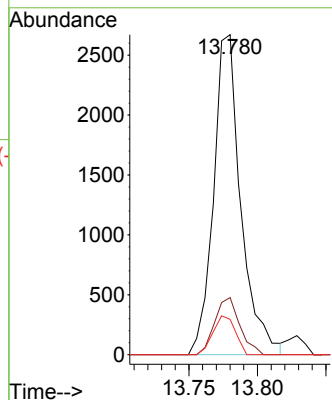


#95
Naphthalene
Concen: 0.552 ug/l
RT: 13.780 min Scan# 2081
Delta R.T. 0.006 min
Lab File: VX039715.D
Acq: 11 Jan 2024 11:21

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion:128 Resp: 3696
Ion Ratio Lower Upper
128 100
127 16.4 10.3 15.5#
129 9.9 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 0.553 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.000 min
Lab File: VX039715.D
Acq: 11 Jan 2024 11:21

Tgt Ion:180 Resp: 1016
Ion Ratio Lower Upper
180 100
182 86.1 46.9 140.6
145 27.0 17.8 53.5

