

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112123\
 Data File : VX038979.D
 Acq On : 21 Nov 2023 13:06
 Operator : JC/MD
 Sample : 05431-02 100X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 15BR-20231113

Quant Time: Nov 22 03:18:47 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X111623W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 16 22:59:22 2023
 Response via : Initial Calibration

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

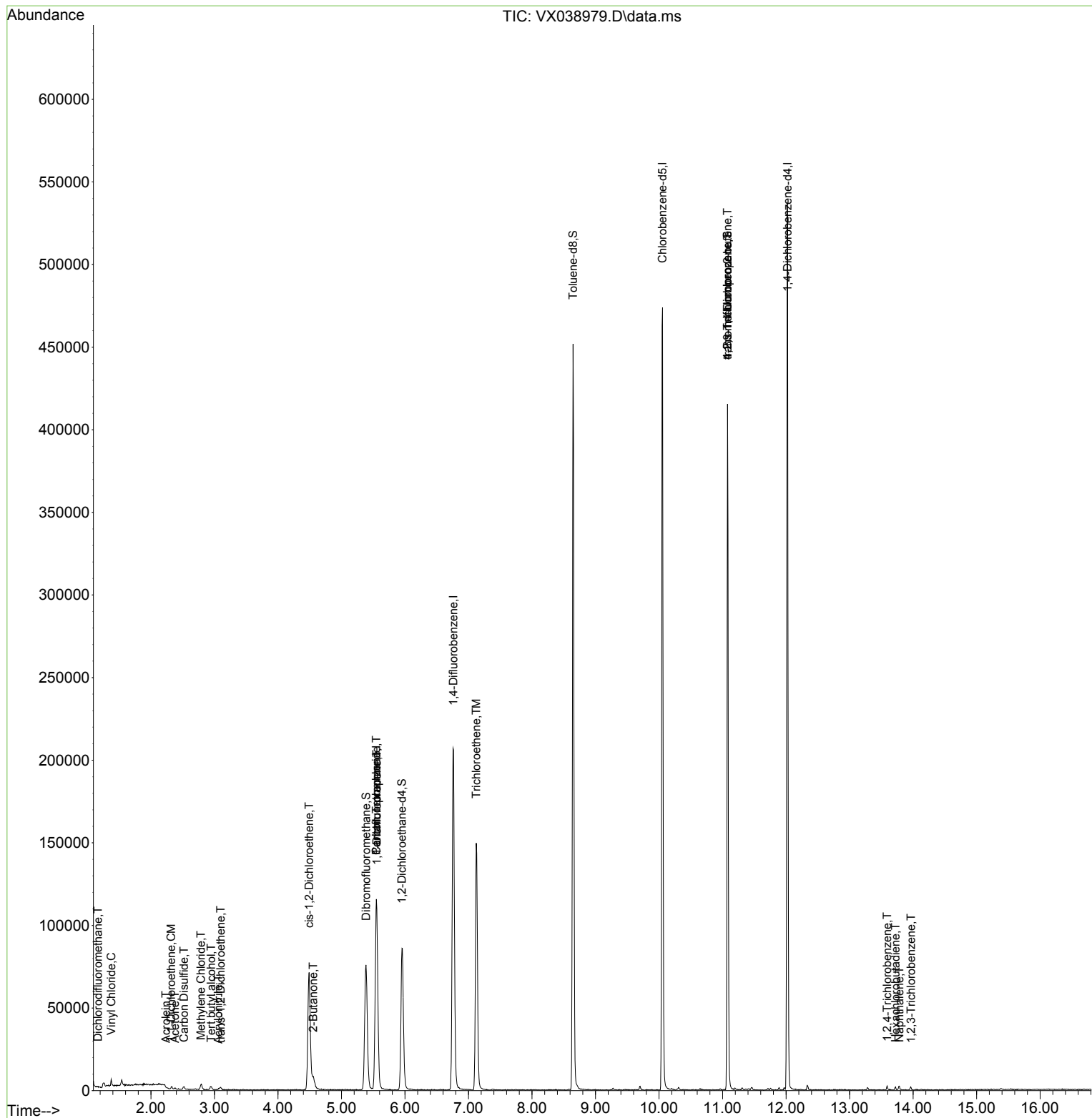
Internal Standards						
1) Pentafluorobenzene	5.550	168	102146	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	211506	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	213937	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	105923	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	83623	50.806	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	101.620%
35) Dibromofluoromethane	5.385	113	67818	44.397	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	88.800%
50) Toluene-d8	8.647	98	266516	45.601	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	91.200%#
62) 4-Bromofluorobenzene	11.079	95	113387	48.465	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	96.920%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	292	0.245	ug/l #	41
4) Vinyl Chloride	1.374	62	2193	1.463	ug/l	100
11) Tert butyl alcohol	2.946	59	1221	2.667	ug/l #	78
12) 1,1-Dichloroethene	2.319	96	444	0.349	ug/l	91
13) Acrolein	2.233	56	376	1.552	ug/l #	14
15) Acrylonitrile	3.062	53	338	0.349	ug/l #	75
16) Acetone	2.380	43	605	0.690	ug/l #	83
17) Carbon Disulfide	2.520	76	1515	0.384	ug/l #	76
20) Methylene Chloride	2.788	84	1608	1.018	ug/l	96
21) trans-1,2-Dichloroethene	3.099	96	638	0.454	ug/l	81
25) 2-Butanone	4.556	43	528	0.372	ug/l #	51
27) cis-1,2-Dichloroethene	4.489	96	42714	26.086	ug/l	88
36) 1,1-Dichloropropene	5.556	75	9508	4.343	ug/l #	49
38) Carbon Tetrachloride	5.550	117	11199	5.535	ug/l #	15
44) Trichloroethene	7.123	130	55404	35.151	ug/l	99
76) 1,2,3-Trichloropropane	11.079	75	60845	23.023	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	60845	51.068	ug/l #	5
93) 1,2,4-Trichlorobenzene	13.591	180	594	0.257	ug/l	89
94) Hexachlorobutadiene	13.725	225	312	0.382	ug/l	77
95) Naphthalene	13.786	128	2339	0.272	ug/l #	93
96) 1,2,3-Trichlorobenzene	13.969	180	522	0.239	ug/l	89

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

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X111623W.M
Quant Title : SW846 8260
QLast Update : Thu Nov 16 22:59:22 2023
Response via : Initial Calibration

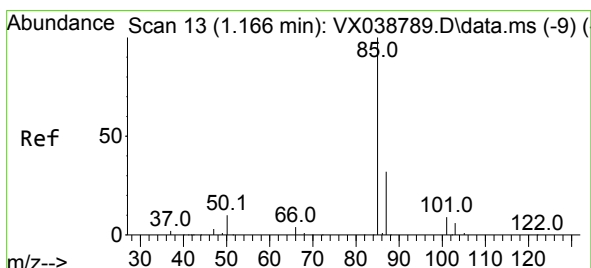
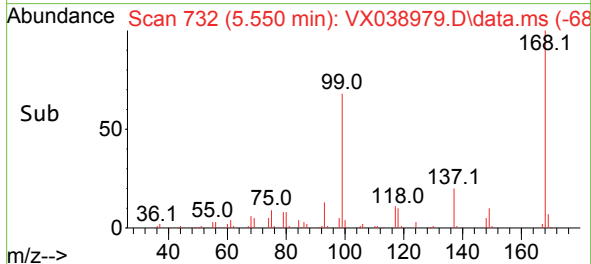
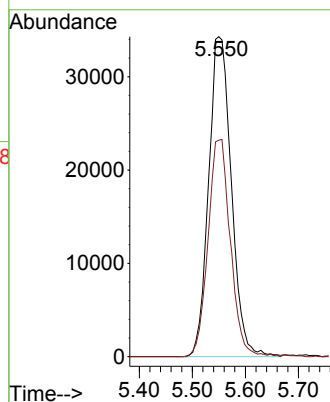
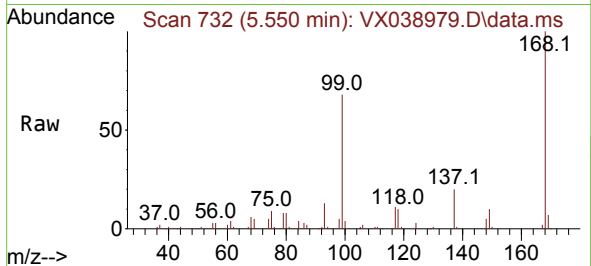




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX038979.D
Acq: 21 Nov 2023 13:06

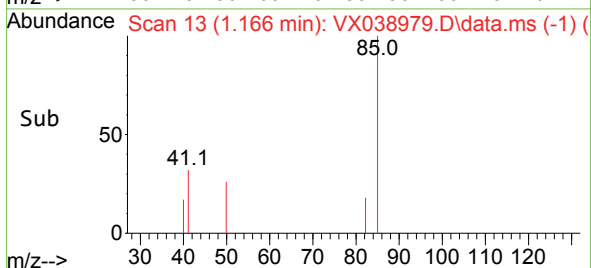
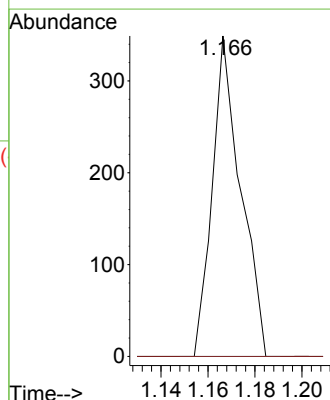
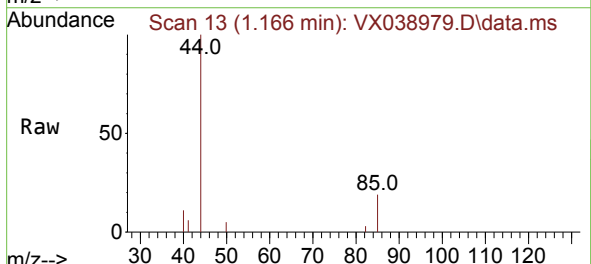
Instrument :
MSVOA_X
ClientSampleId :
15BR-20231113

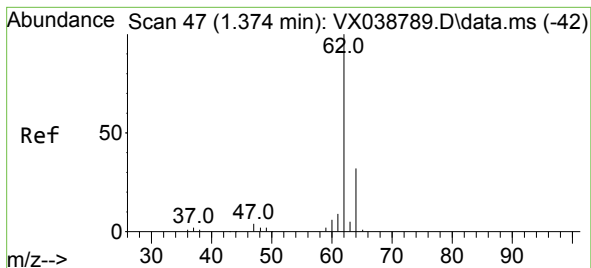
Tgt Ion:168 Resp: 102146
Ion Ratio Lower Upper
168 100
99 67.6 56.6 85.0



#2
Dichlorodifluoromethane
Concen: 0.245 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX038979.D
Acq: 21 Nov 2023 13:06

Tgt Ion: 85 Resp: 292
Ion Ratio Lower Upper
85 100
87 0.0 16.7 50.1#





#4

Vinyl Chloride

Concen: 1.463 ug/l

RT: 1.374 min Scan# 41

Delta R.T. -0.000 min

Lab File: VX038979.D

Acq: 21 Nov 2023 13:06

Instrument :

MSVOA_X

ClientSampleId :

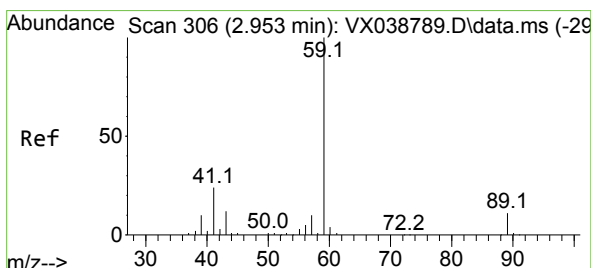
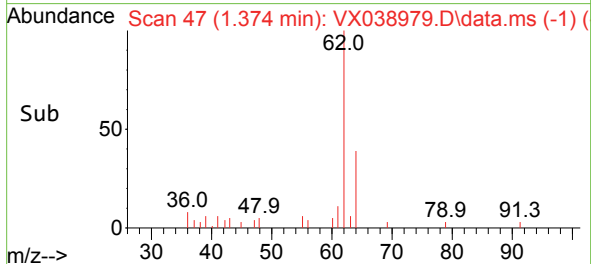
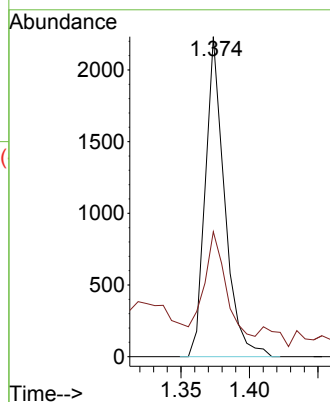
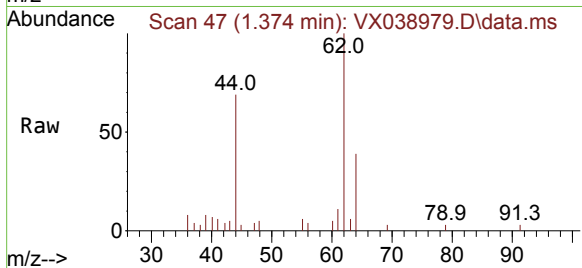
15BR-20231113

Tgt Ion: 62 Resp: 2193

Ion Ratio Lower Upper

62 100

64 31.5 25.4 38.0



#11

Tert butyl alcohol

Concen: 2.667 ug/l

RT: 2.946 min Scan# 305

Delta R.T. -0.006 min

Lab File: VX038979.D

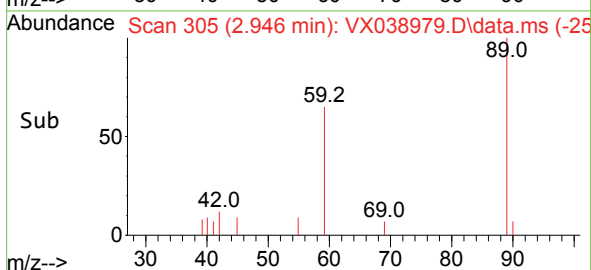
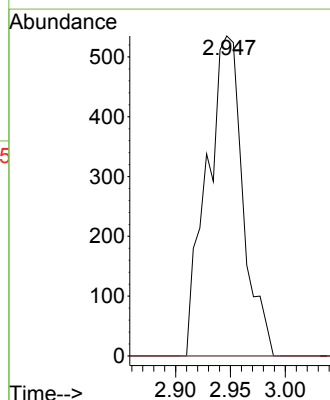
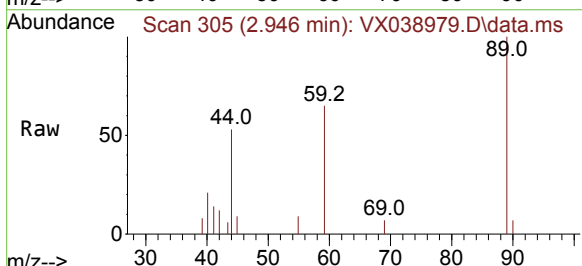
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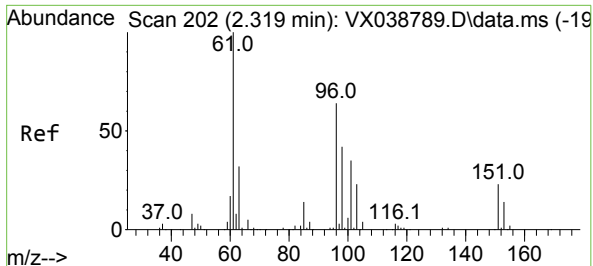
Tgt Ion: 59 Resp: 1221

Ion Ratio Lower Upper

59 100

57 0.0 6.0 9.0#

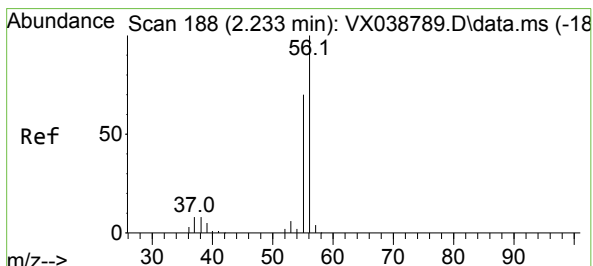
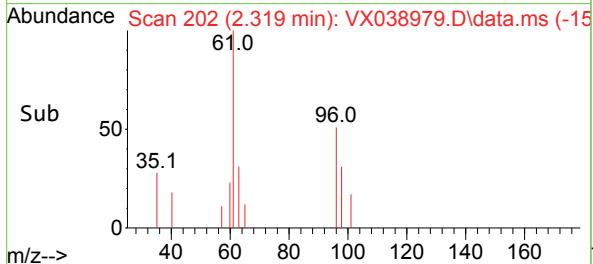
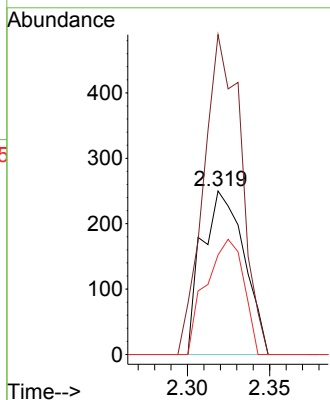
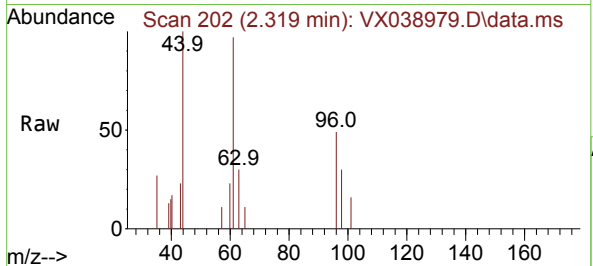




#12
1,1-Dichloroethene
Concen: 0.349 ug/l
RT: 2.319 min Scan# 202
Delta R.T. -0.000 min
Lab File: VX038979.D
Acq: 21 Nov 2023 13:06

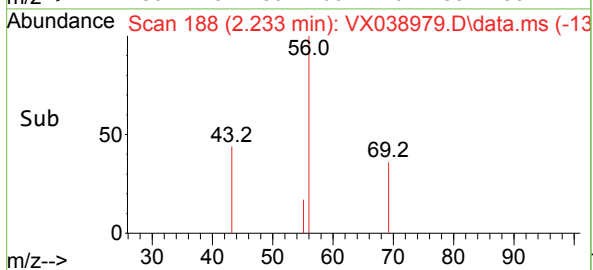
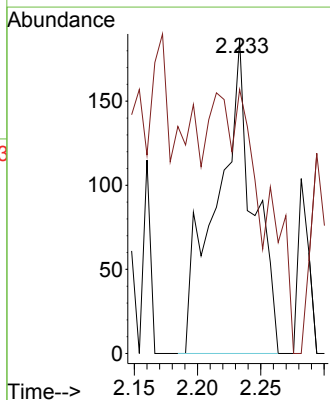
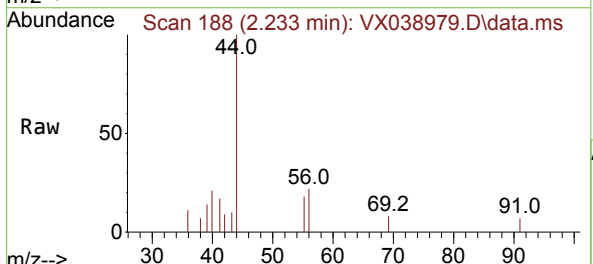
Instrument :
MSVOA_X
ClientSampleId :
15BR-20231113

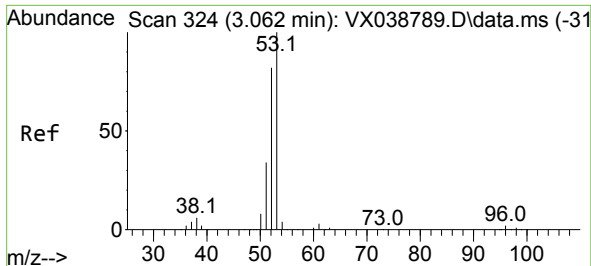
Tgt Ion: 96 Resp: 444
Ion Ratio Lower Upper
96 100
61 195.6 144.6 216.8
98 60.8 50.4 75.6



#13
Acrolein
Concen: 1.552 ug/l
RT: 2.233 min Scan# 188
Delta R.T. -0.000 min
Lab File: VX038979.D
Acq: 21 Nov 2023 13:06

Tgt Ion: 56 Resp: 376
Ion Ratio Lower Upper
56 100
55 0.0 57.1 85.7#

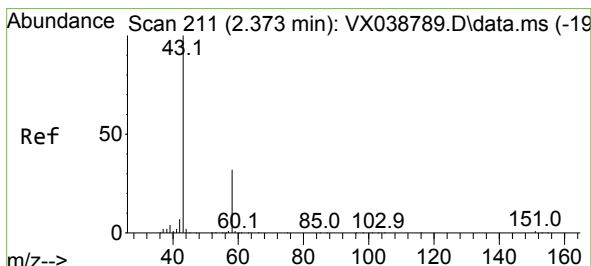
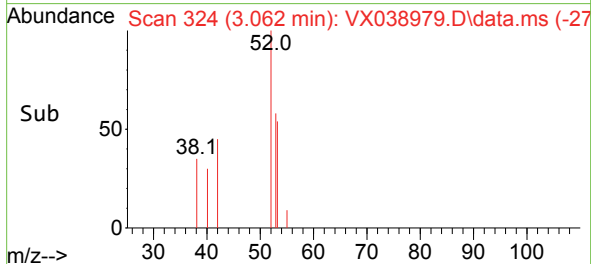
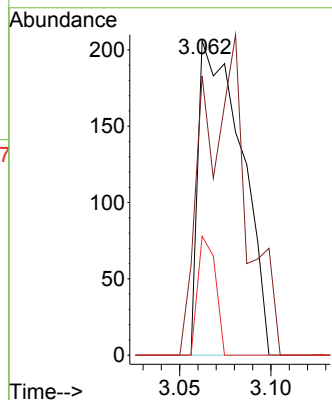
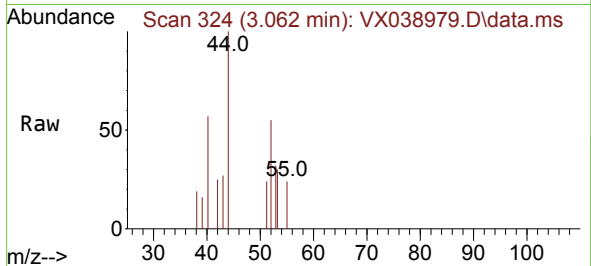




#15
Acrylonitrile
Concen: 0.349 ug/l
RT: 3.062 min Scan# 31
Delta R.T. -0.000 min
Lab File: VX038979.D
Acq: 21 Nov 2023 13:06

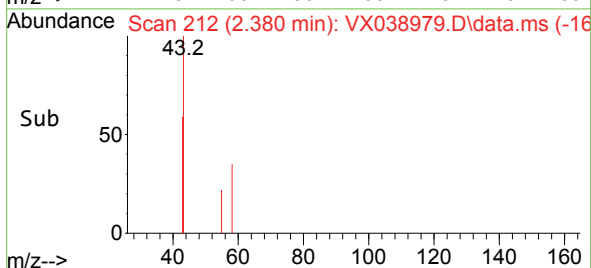
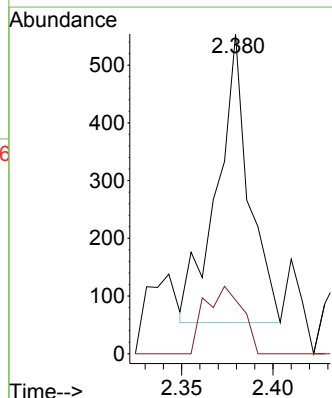
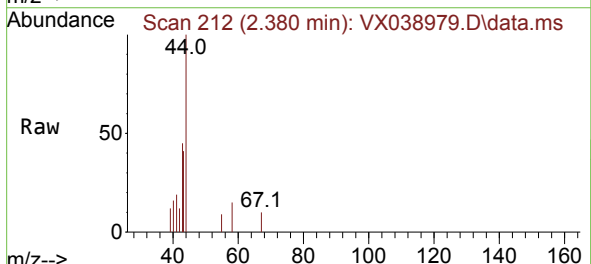
Instrument :
MSVOA_X
ClientSampleId :
15BR-20231113

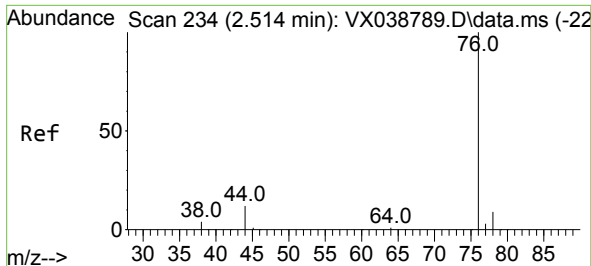
Tgt Ion: 53 Resp: 338
Ion Ratio Lower Upper
53 100
52 100.0 66.0 99.0#
51 15.4 29.8 44.6#



#16
Acetone
Concen: 0.690 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX038979.D
Acq: 21 Nov 2023 13:06

Tgt Ion: 43 Resp: 605
Ion Ratio Lower Upper
43 100
58 18.6 21.9 32.9#





#17

Carbon Disulfide

Concen: 0.384 ug/l

RT: 2.520 min Scan# 21

Delta R.T. 0.006 min

Lab File: VX038979.D

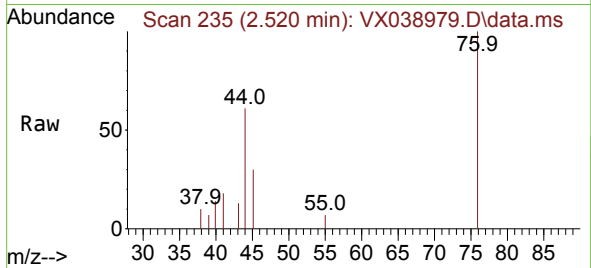
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Instrument :

MSVOA_X

ClientSampleId :

15BR-20231113

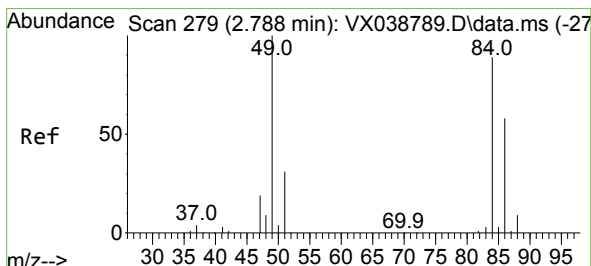
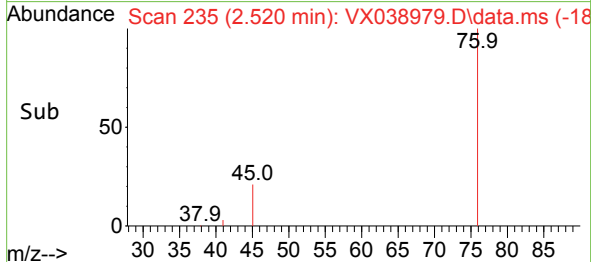
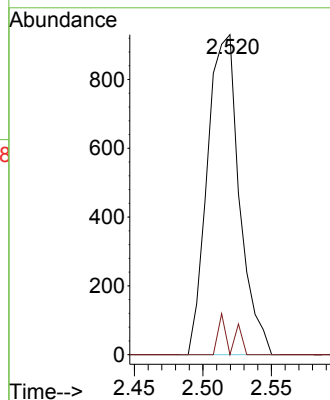


Tgt Ion: 76 Resp: 1515

Ion Ratio Lower Upper

76 100

78 0.0 7.0 10.6#



#20

Methylene Chloride

Concen: 1.018 ug/l

RT: 2.788 min Scan# 279

Delta R.T. -0.000 min

Lab File: VX038979.D

Acq: 21 Nov 2023 13:06

Tgt Ion: 84 Resp: 1608

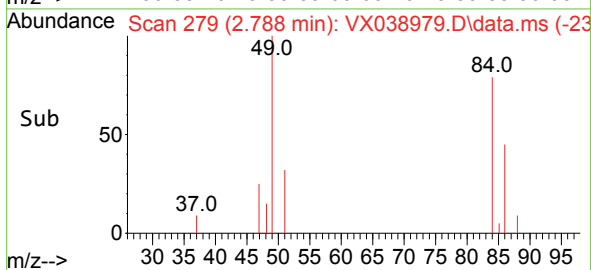
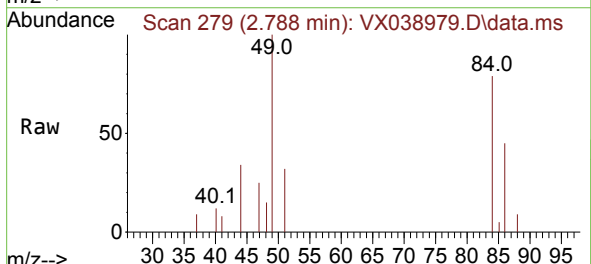
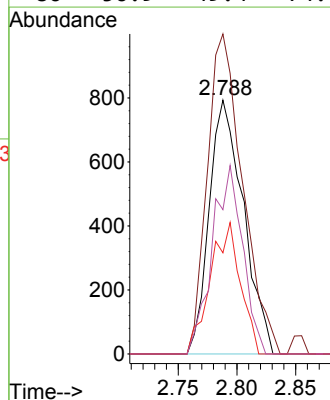
Ion Ratio Lower Upper

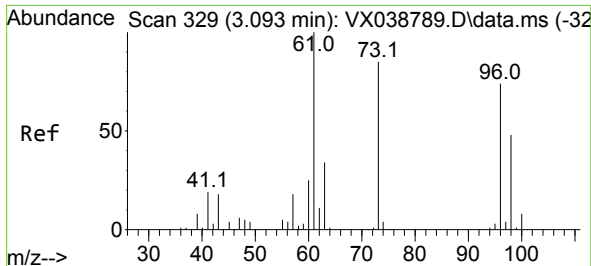
84 100

49 126.1 103.6 155.4

51 39.8 33.8 50.6

86 56.9 49.4 74.0

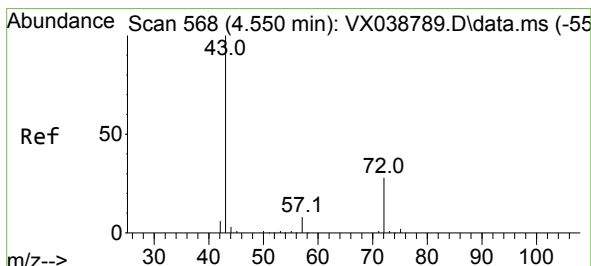
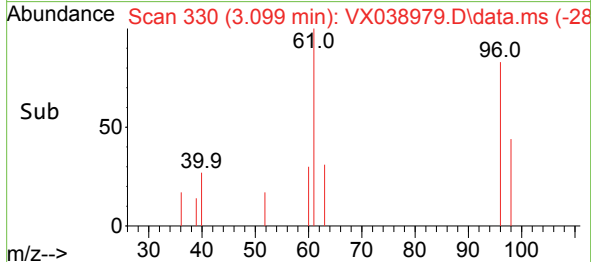
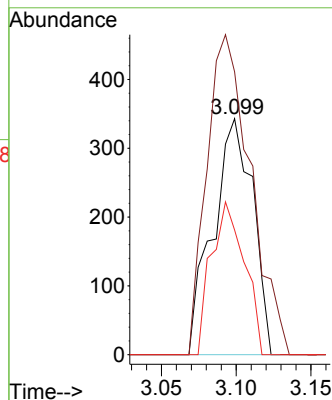
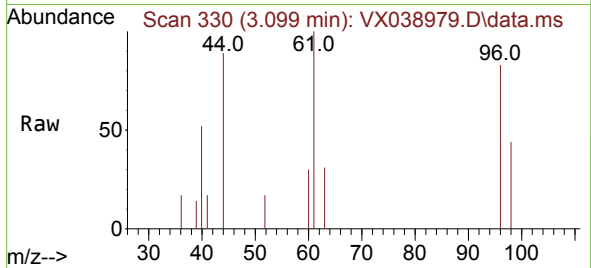




#21
trans-1,2-Dichloroethene
Concen: 0.454 ug/l
RT: 3.099 min Scan# 311
Delta R.T. 0.006 min
Lab File: VX038979.D
Acq: 21 Nov 2023 13:06

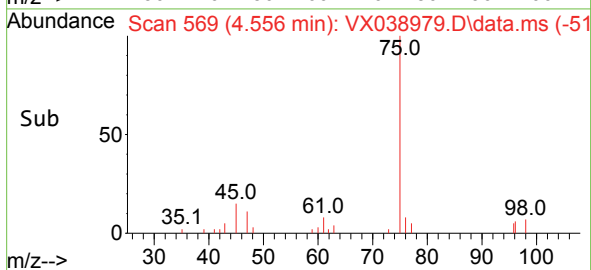
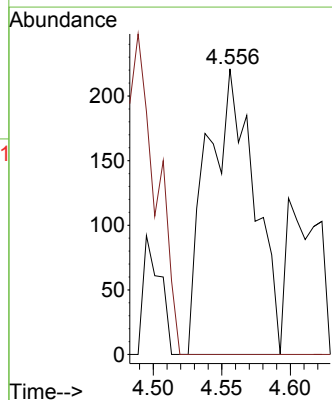
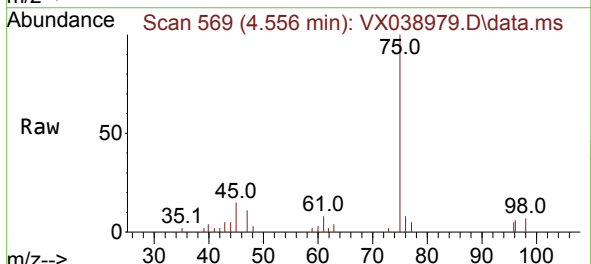
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15BR-20231113

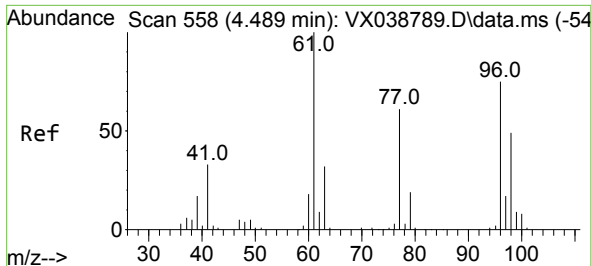
Tgt Ion: 96 Resp: 638
Ion Ratio Lower Upper
96 100
61 119.8 119.2 178.8
98 52.8 48.7 73.1



#25
2-Butanone
Concen: 0.372 ug/l
RT: 4.556 min Scan# 569
Delta R.T. 0.006 min
Lab File: VX038979.D
Acq: 21 Nov 2023 13:06

Tgt Ion: 43 Resp: 528
Ion Ratio Lower Upper
43 100
72 0.0 19.4 29.2#





#27

cis-1,2-Dichloroethene

Concen: 26.086 ug/l

RT: 4.489 min Scan# 51

Delta R.T. 0.000 min

Lab File: VX038979.D

Acq: 21 Nov 2023 13:06

Instrument :

MSVOA_X

ClientSampleId :

15BR-20231113

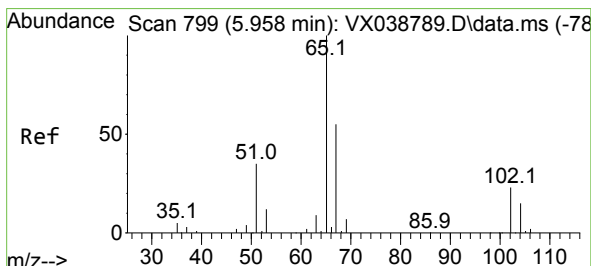
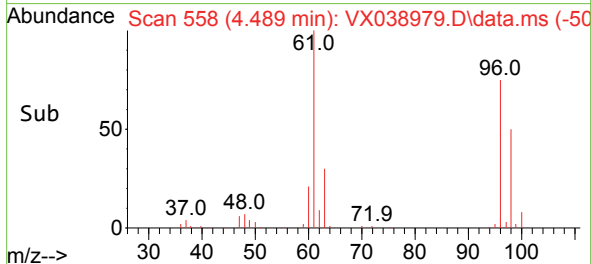
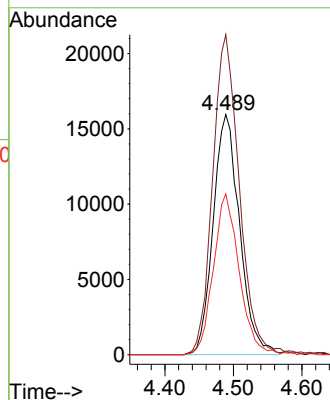
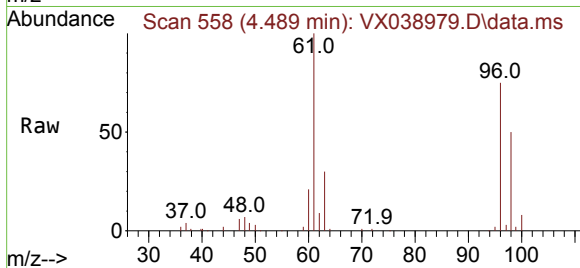
Tgt Ion: 96 Resp: 42714

Ion Ratio Lower Upper

96 100

61 135.1 0.0 312.2

98 65.2 0.0 129.0



#33

1,2-Dichloroethane-d4

Concen: 50.806 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.006 min

Lab File: VX038979.D

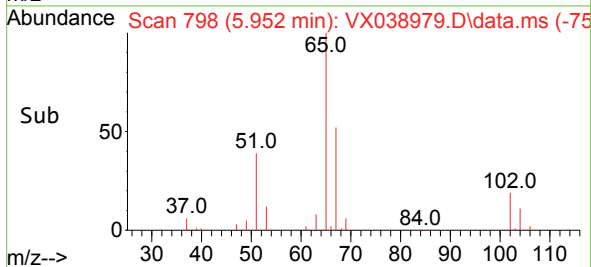
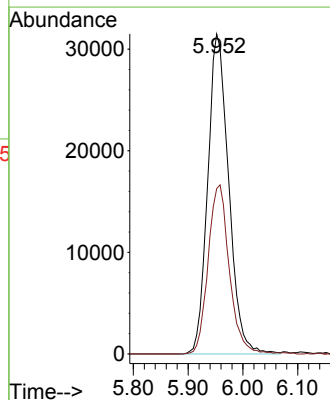
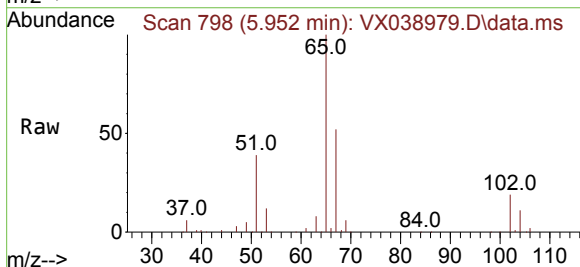
Acq: 21 Nov 2023 13:06

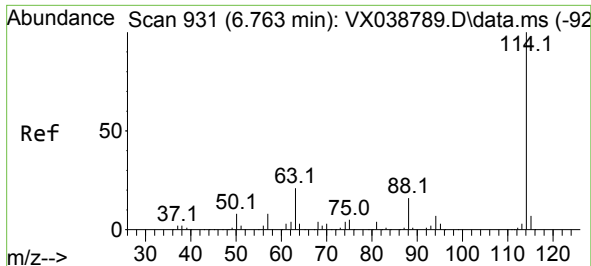
Tgt Ion: 65 Resp: 83623

Ion Ratio Lower Upper

65 100

67 53.5 0.0 100.2

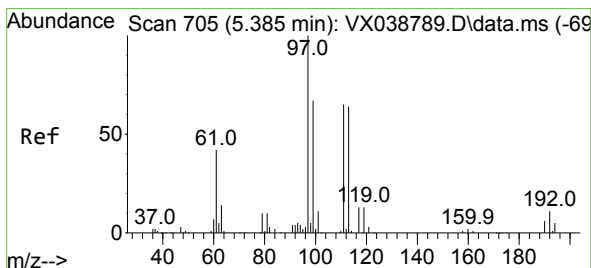
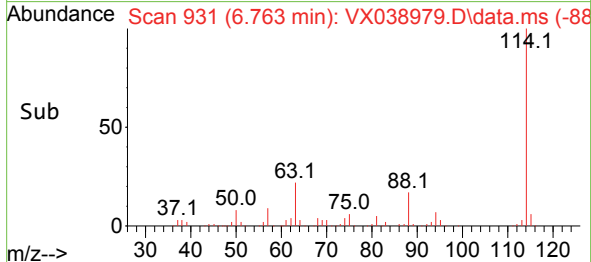
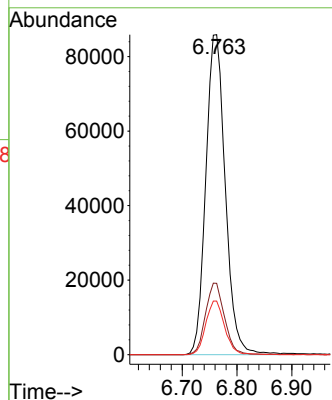
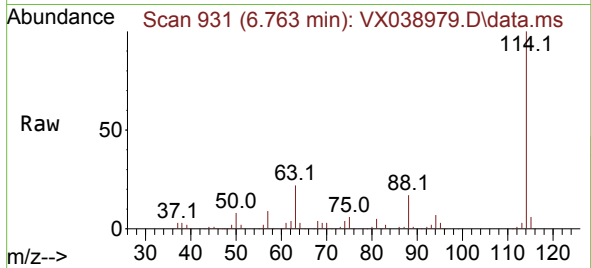




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 911
Delta R.T. 0.000 min
Lab File: VX038979.D
Acq: 21 Nov 2023 13:06

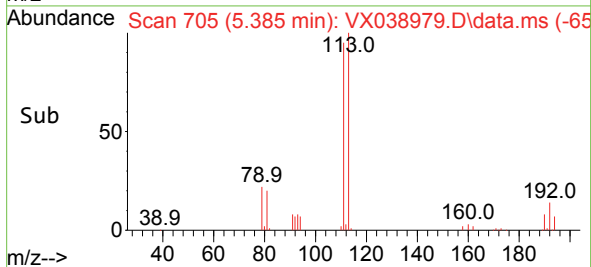
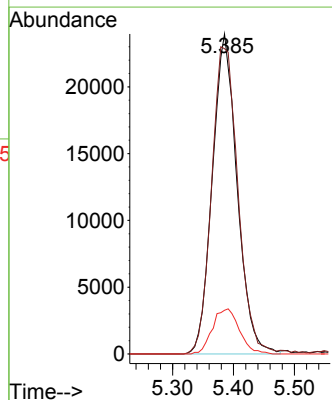
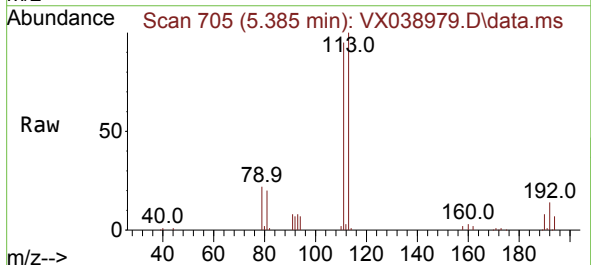
Instrument :
MSVOA_X
ClientSampleId :
15BR-20231113

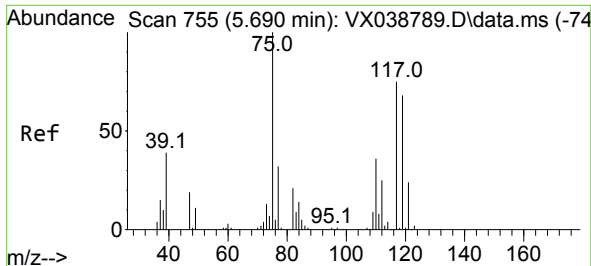
Tgt Ion:114 Resp: 211506
Ion Ratio Lower Upper
114 100
63 22.3 0.0 45.0
88 16.7 0.0 36.6



#35
Dibromofluoromethane
Concen: 44.397 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX038979.D
Acq: 21 Nov 2023 13:06

Tgt Ion:113 Resp: 67818
Ion Ratio Lower Upper
113 100
111 101.8 82.9 124.3
192 15.3 13.3 19.9

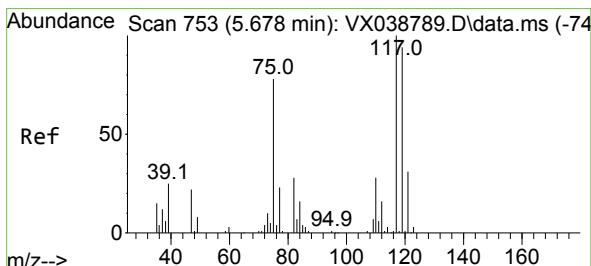
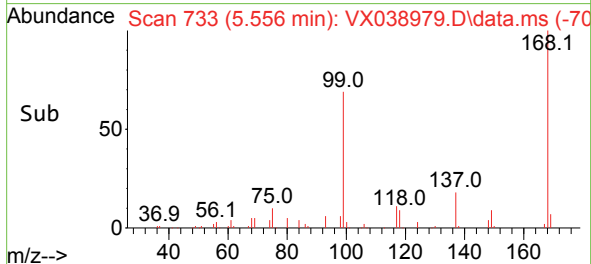
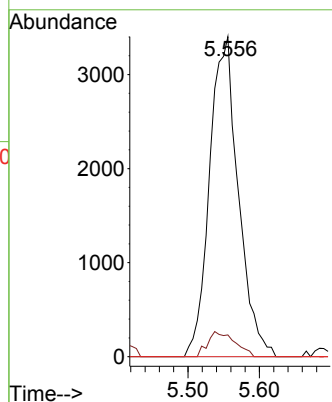
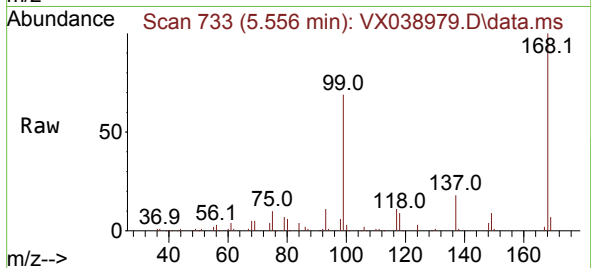




#36
1,1-Dichloropropene
Concen: 4.343 ug/l
RT: 5.556 min Scan# 713
Delta R.T. -0.134 min
Lab File: VX038979.D
Acq: 21 Nov 2023 13:06

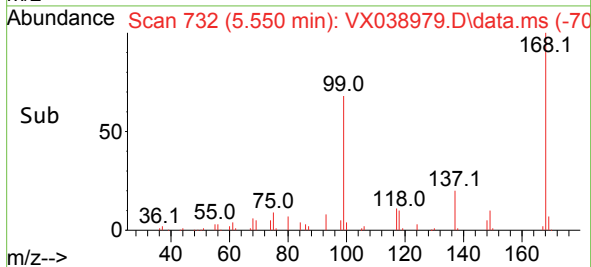
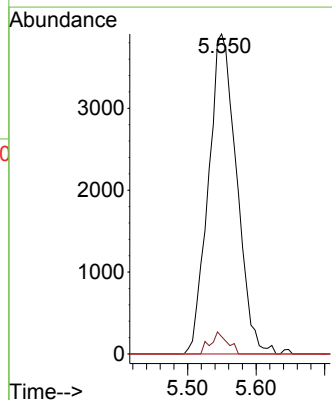
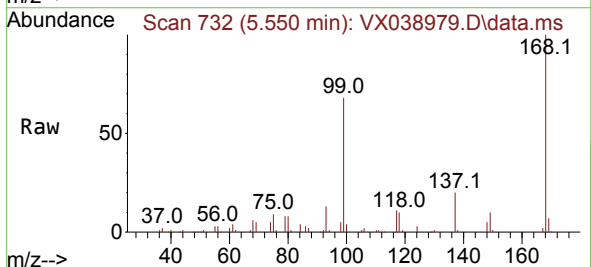
Instrument :
MSVOA_X
ClientSampleId :
15BR-20231113

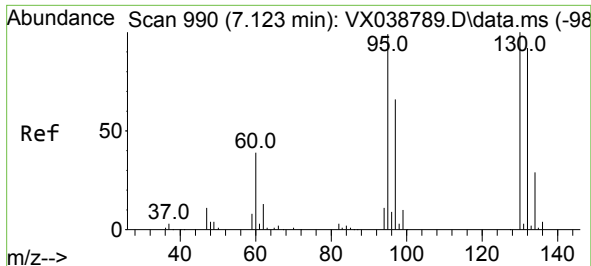
Tgt Ion: 75 Resp: 9508
Ion Ratio Lower Upper
75 100
110 7.4 17.0 50.9#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 5.535 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.128 min
Lab File: VX038979.D
Acq: 21 Nov 2023 13:06

Tgt Ion: 117 Resp: 11199
Ion Ratio Lower Upper
117 100
119 5.4 78.2 117.2#
121 0.0 24.4 36.6#

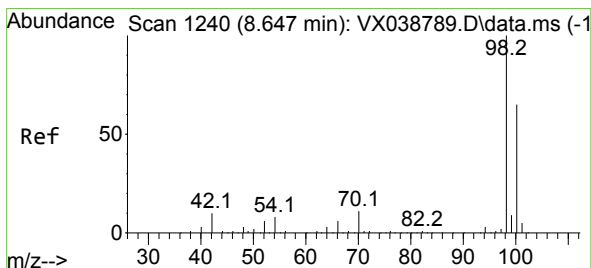
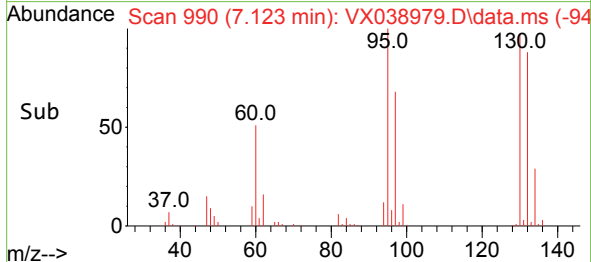
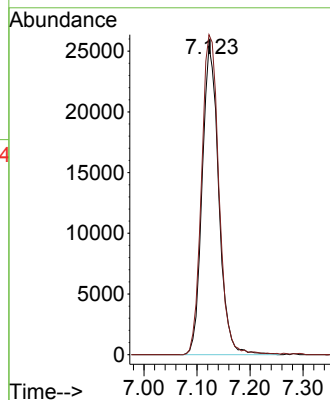
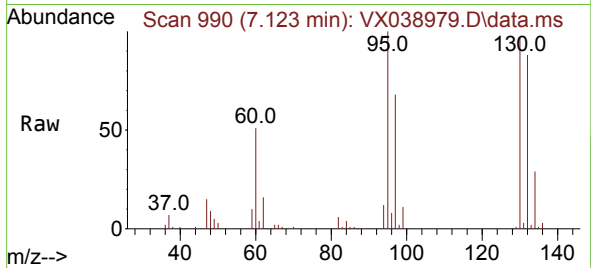




#44
 Trichloroethene
 Concen: 35.151 ug/l
 RT: 7.123 min Scan# 990
 Delta R.T. -0.000 min
 Lab File: VX038979.D
 Acq: 21 Nov 2023 13:06

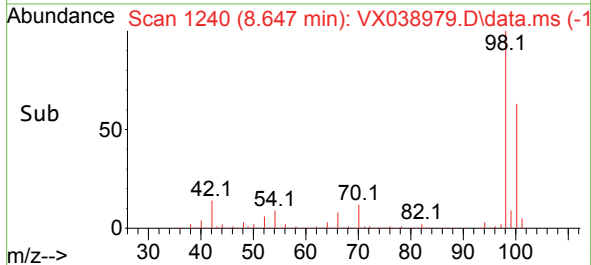
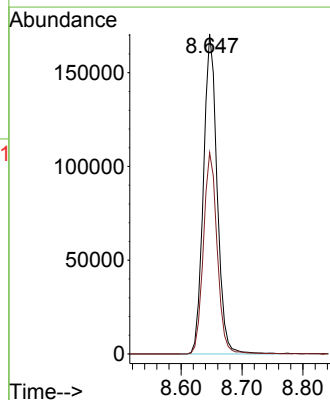
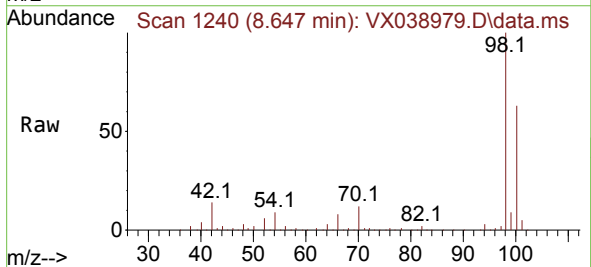
Instrument :
 MSVOA_X
 ClientSampleId :
 15BR-20231113

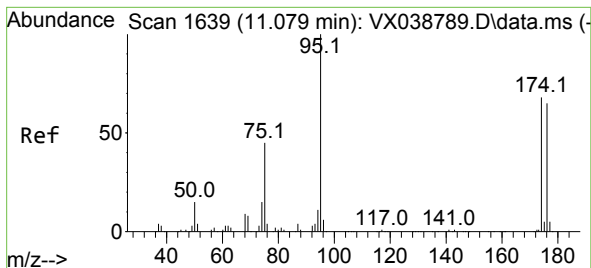
Tgt Ion:130 Resp: 55404
 Ion Ratio Lower Upper
 130 100
 95 103.6 0.0 204.4



#50
 Toluene-d8
 Concen: 45.601 ug/l
 RT: 8.647 min Scan# 1240
 Delta R.T. -0.000 min
 Lab File: VX038979.D
 Acq: 21 Nov 2023 13:06

Tgt Ion: 98 Resp: 266516
 Ion Ratio Lower Upper
 98 100
 100 63.5 53.1 79.7

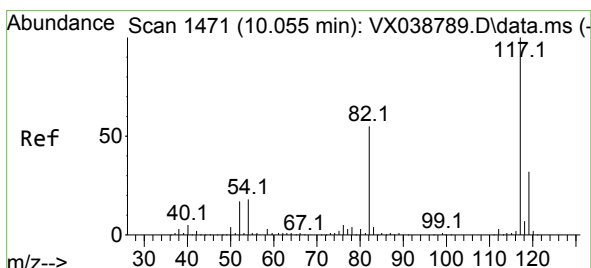
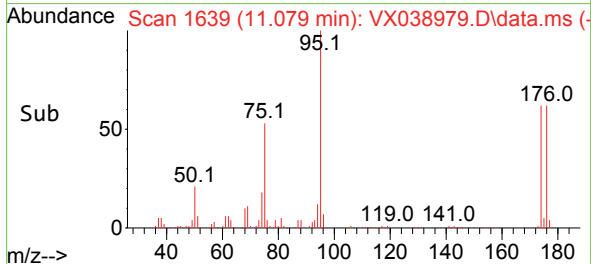
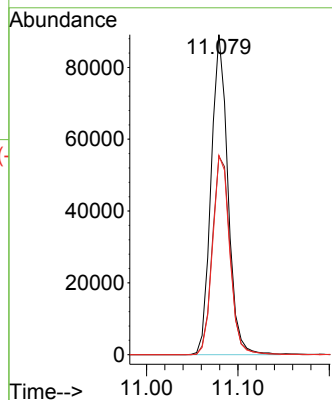
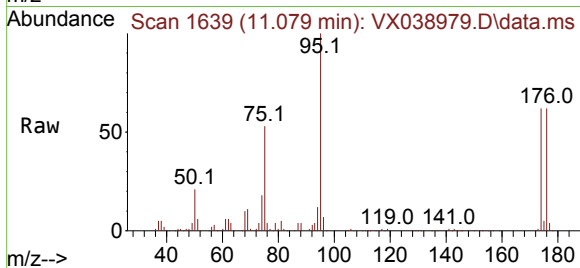




#62
4-Bromofluorobenzene
Concen: 48.465 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX038979.D
Acq: 21 Nov 2023 13:06

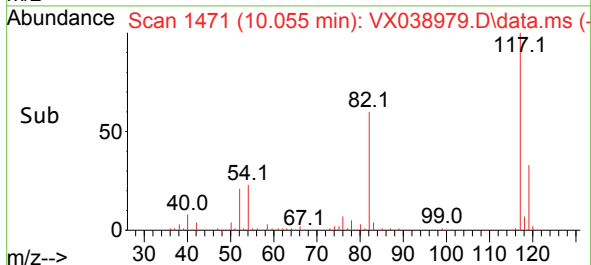
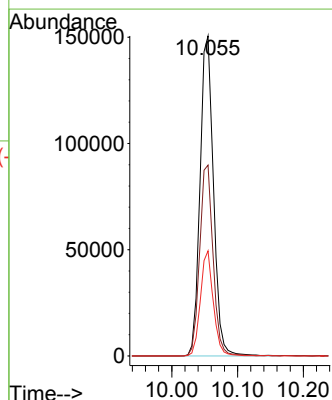
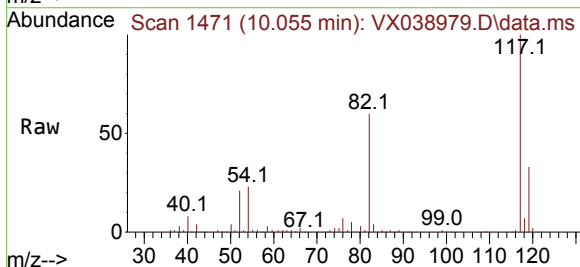
Instrument :
MSVOA_X
ClientSampleId :
15BR-20231113

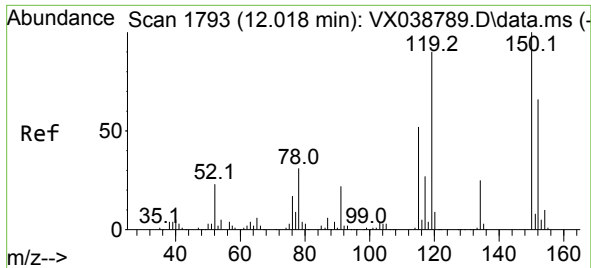
Tgt Ion: 95 Resp: 113387
Ion Ratio Lower Upper
95 100
174 65.5 0.0 135.6
176 63.8 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX038979.D
Acq: 21 Nov 2023 13:06

Tgt Ion: 117 Resp: 213937
Ion Ratio Lower Upper
117 100
82 59.6 46.2 69.4
119 32.9 25.5 38.3

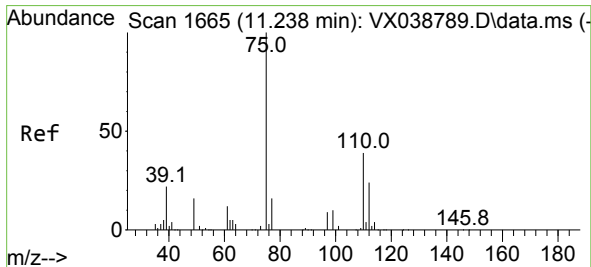
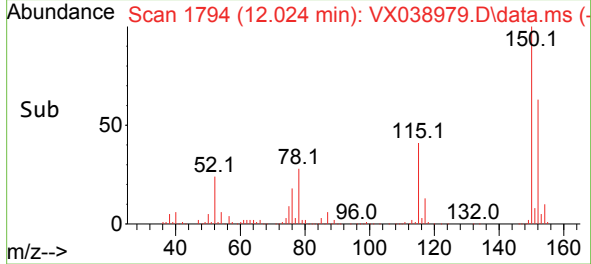
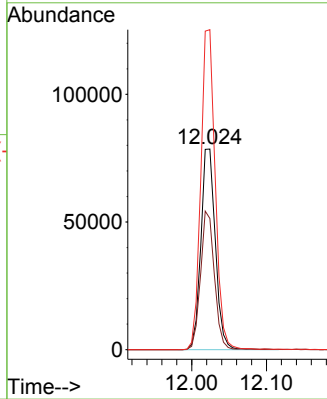
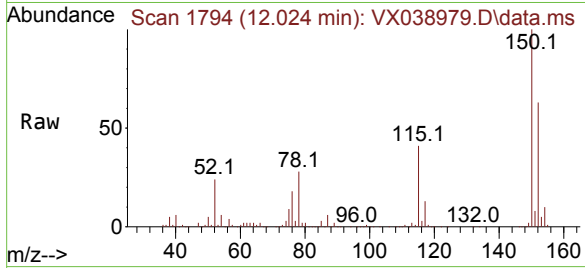




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.006 min
 Lab File: VX038979.D
 Acq: 21 Nov 2023 13:06

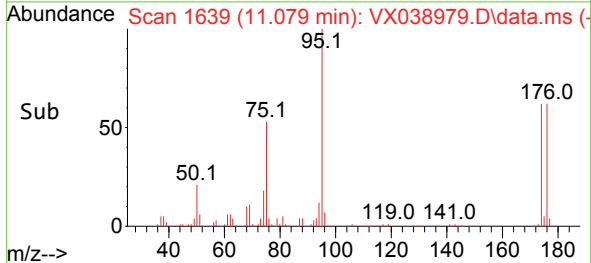
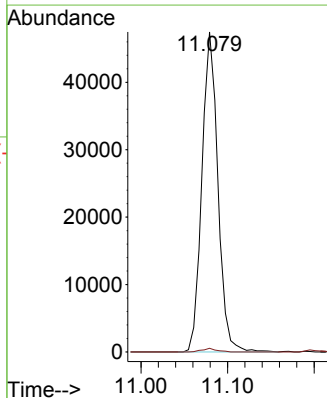
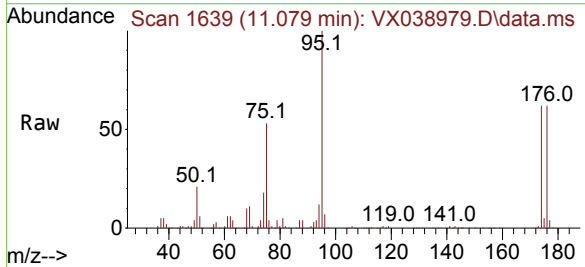
Instrument :
 MSVOA_X
 ClientSampleId :
 15BR-20231113

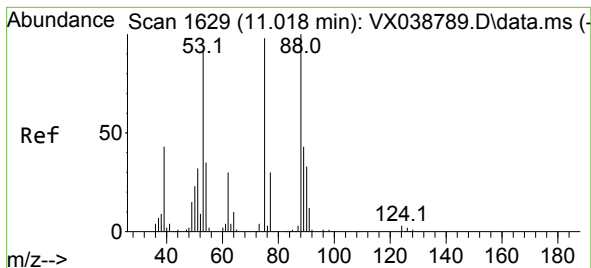
Tgt Ion:152 Resp: 105923
 Ion Ratio Lower Upper
 152 100
 115 66.1 43.3 129.9
 150 159.0 0.0 345.0



#76
 1,2,3-Trichloropropane
 Concen: 23.023 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.159 min
 Lab File: VX038979.D
 Acq: 21 Nov 2023 13:06

Tgt Ion: 75 Resp: 60845
 Ion Ratio Lower Upper
 75 100
 77 1.1 19.1 57.5#

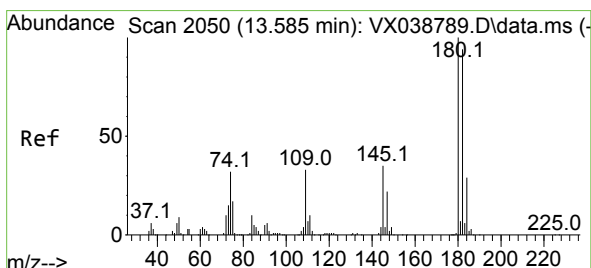
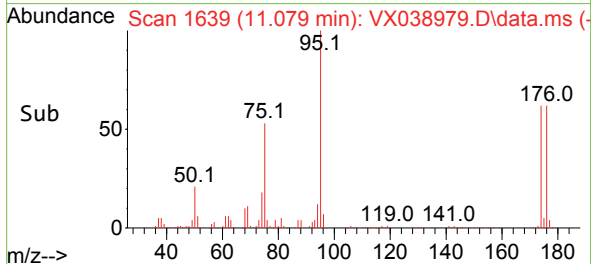
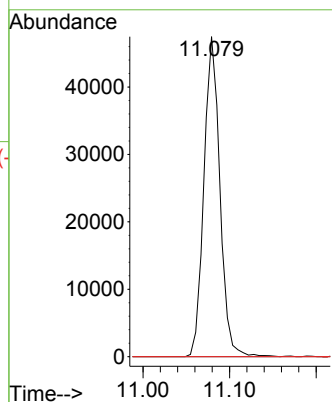
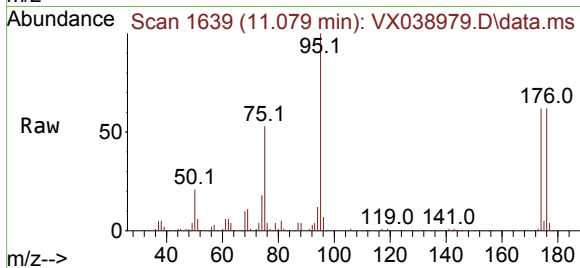




#81
trans-1,4-Dichloro-2-butene
Concen: 51.068 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX038979.D
Acq: 21 Nov 2023 13:06

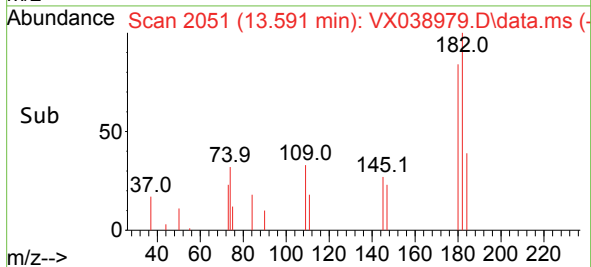
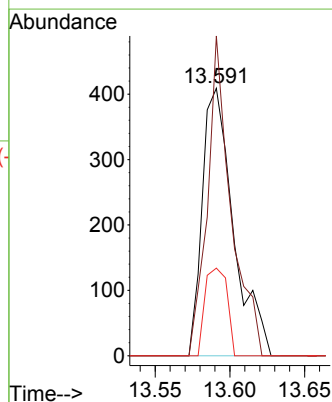
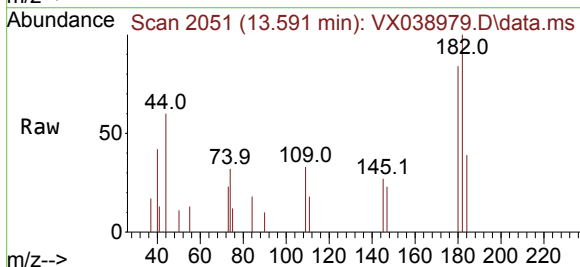
Instrument :
MSVOA_X
ClientSampleId :
15BR-20231113

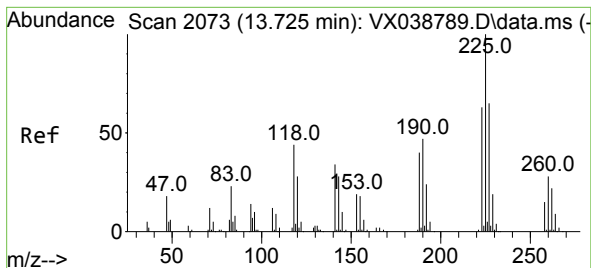
Tgt Ion: 75 Resp: 60845
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#



#93
1,2,4-Trichlorobenzene
Concen: 0.257 ug/l
RT: 13.591 min Scan# 2051
Delta R.T. 0.006 min
Lab File: VX038979.D
Acq: 21 Nov 2023 13:06

Tgt Ion: 180 Resp: 594
Ion Ratio Lower Upper
180 100
182 90.2 48.3 144.8
145 23.2 18.0 54.0





#94

Hexachlorobutadiene

Concen: 0.382 ug/l

RT: 13.725 min Scan# 2073

Delta R.T. -0.000 min

Lab File: VX038979.D

Acq: 21 Nov 2023 13:06

Instrument :

MSVOA_X

ClientSampleId :

15BR-20231113

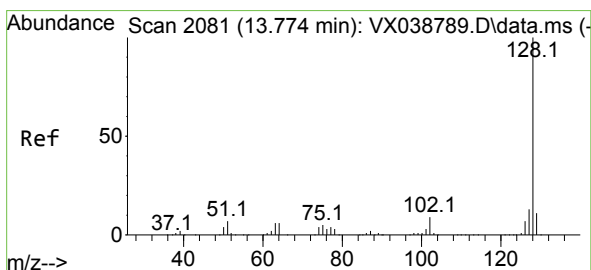
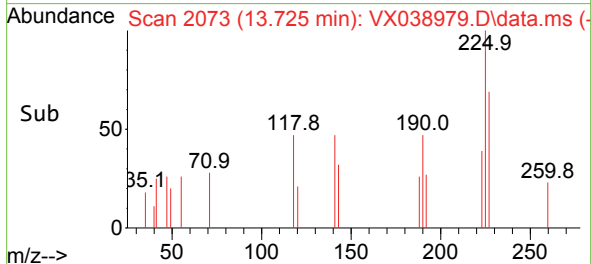
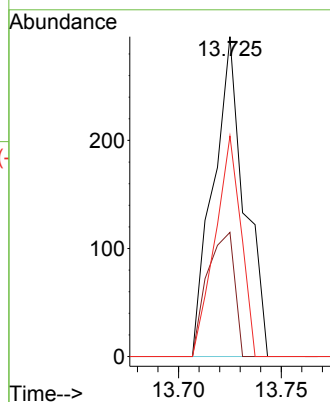
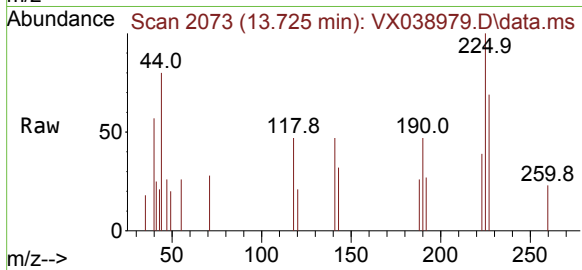
Tgt Ion:225 Resp: 312

Ion Ratio Lower Upper

225 100

223 34.0 31.1 93.2

227 57.4 32.5 97.5



#95

Naphthalene

Concen: 0.272 ug/l

RT: 13.786 min Scan# 2083

Delta R.T. 0.012 min

Lab File: VX038979.D

Acq: 21 Nov 2023 13:06

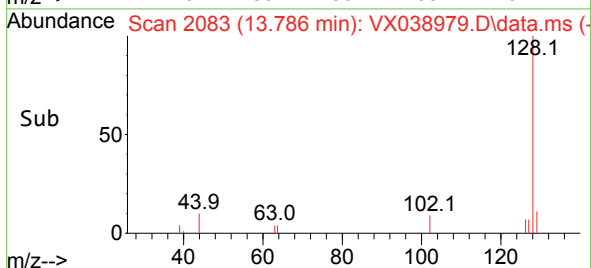
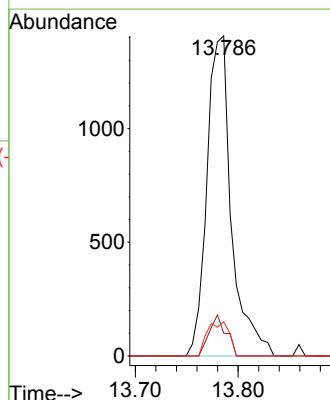
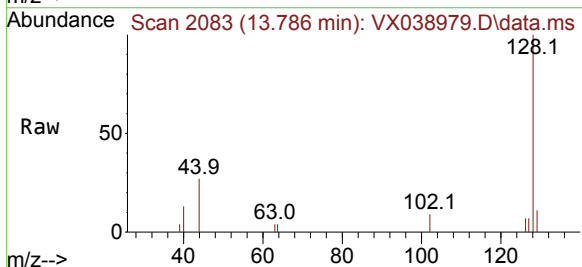
Tgt Ion:128 Resp: 2339

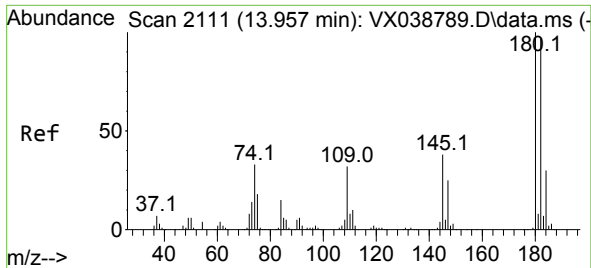
Ion Ratio Lower Upper

128 100

127 8.8 10.3 15.5#

129 9.5 8.8 13.2





#96
 1,2,3-Trichlorobenzene
 Concen: 0.239 ug/l
 RT: 13.969 min Scan# 21
 Delta R.T. 0.012 min
 Lab File: VX038979.D
 Acq: 21 Nov 2023 13:06

Instrument :
 MSVOA_X
 ClientSampleId :
 15BR-20231113

Tgt Ion:180 Resp: 522
 Ion Ratio Lower Upper
 180 100
 182 99.2 46.9 140.6
 145 49.6 17.8 53.5

