

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112023\
 Data File : VX038962.D
 Acq On : 20 Nov 2023 16:37
 Operator : JC/MD
 Sample : 05431-06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 45BR-20231113

Quant Time: Nov 21 00:22:41 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)

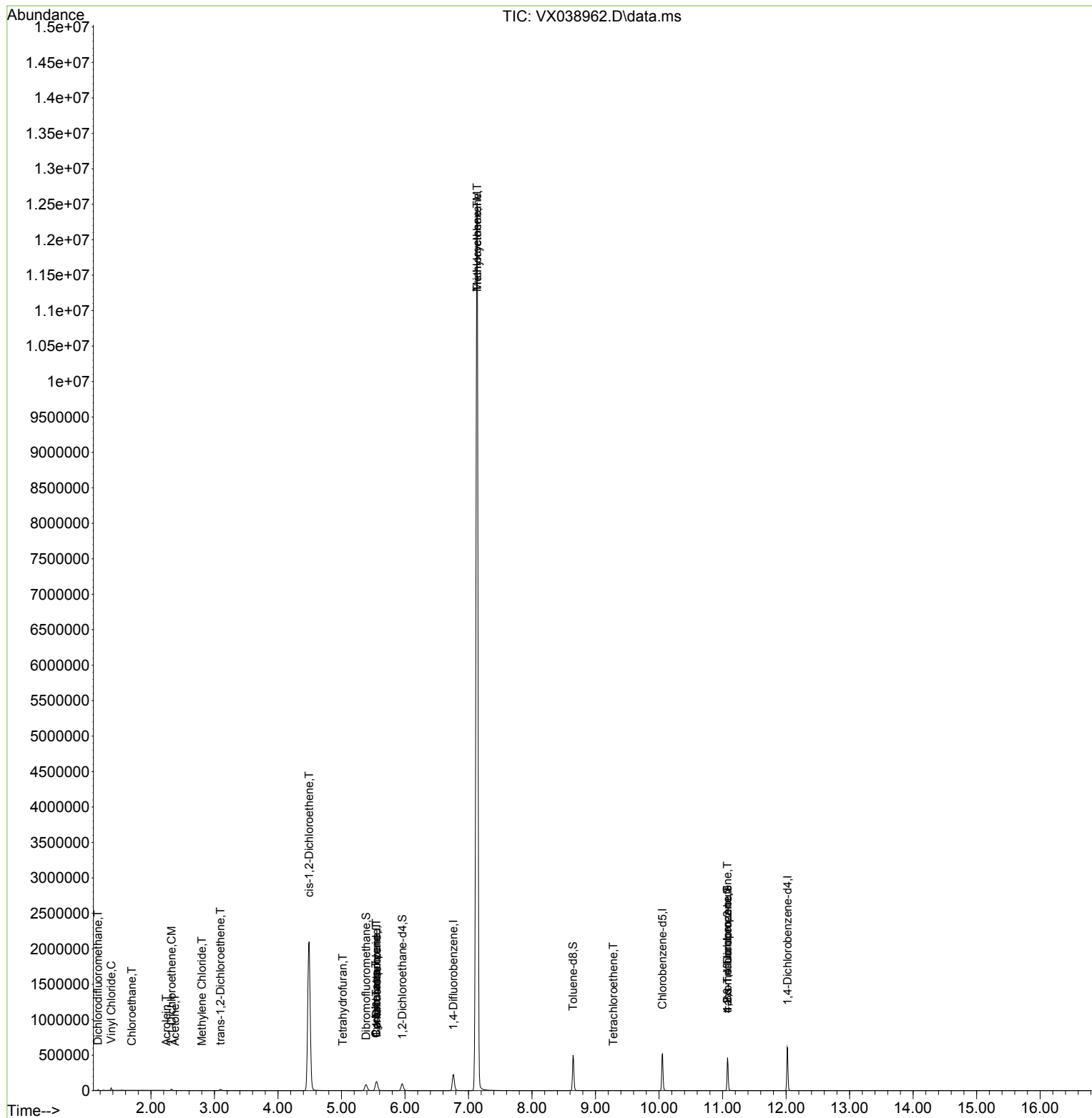
Internal Standards						
1) Pentafluorobenzene	5.556	168	113984	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	230253	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	237566	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	119056	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	90107	49.060	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	98.120%
35) Dibromofluoromethane	5.385	113	74386	44.732	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	89.460%
50) Toluene-d8	8.647	98	291828	45.867	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	91.740%#
62) 4-Bromofluorobenzene	11.079	95	126827	49.796	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	99.600%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	6800	5.113	ug/l	93
4) Vinyl Chloride	1.374	62	20067	12.001	ug/l	99
6) Chloroethane	1.697	64	295	0.309	ug/l	96
12) 1,1-Dichloroethene	2.325	96	5400	3.801	ug/l	93
13) Acrolein	2.239	56	134	0.496	ug/l #	14
16) Acetone	2.380	43	983	1.005	ug/l	98
20) Methylene Chloride	2.800	84	696	0.395	ug/l #	61
21) trans-1,2-Dichloroethene	3.093	96	7603	4.850	ug/l	97
27) cis-1,2-Dichloroethene	4.489	96	1306830	715.208	ug/l	87
29) Tetrahydrofuran	5.019	42	1181	1.173	ug/l #	45
31) Cyclohexane	5.544	56	3040	1.159	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	11102	4.658	ug/l #	49
38) Carbon Tetrachloride	5.550	117	12855	5.836	ug/l #	17
39) Methylcyclohexane	7.135	83	67953	21.858	ug/l #	1
44) Trichloroethene	7.135	130	4442790	2589.241	ug/l	90
64) Tetrachloroethene	9.281	164	301	0.204	ug/l #	36
76) 1,2,3-Trichloropropane	11.079	75	67874	22.850	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	67874	50.683	ug/l #	5

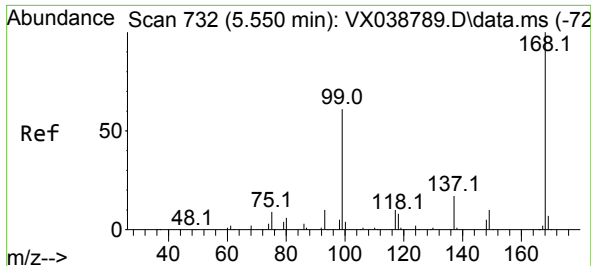
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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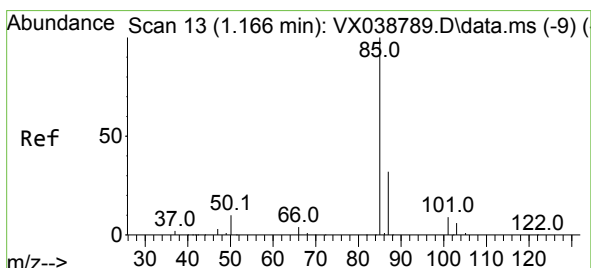
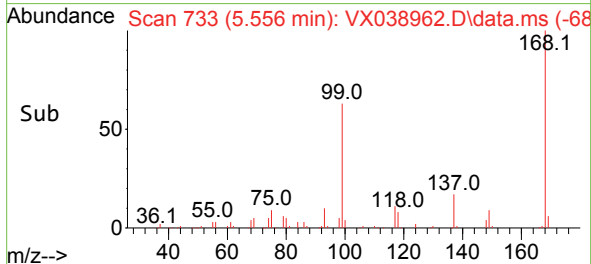
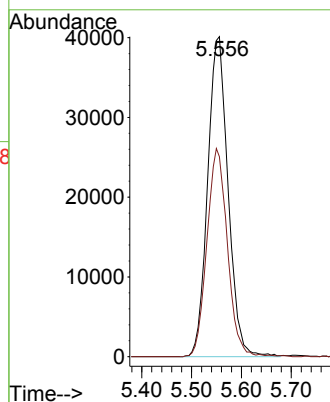
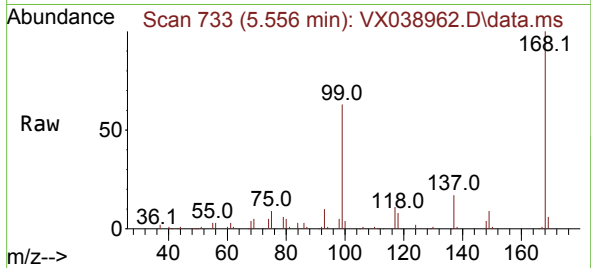




#1
 Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.556 min Scan# 71
 Delta R.T. 0.006 min
 Lab File: VX038962.D
 Acq: 20 Nov 2023 16:37

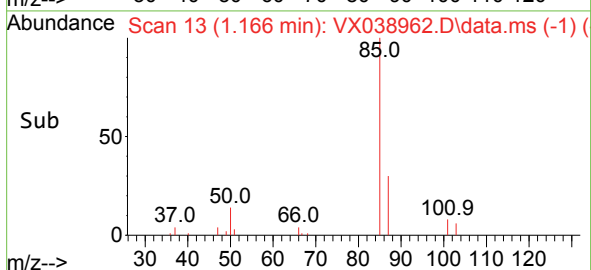
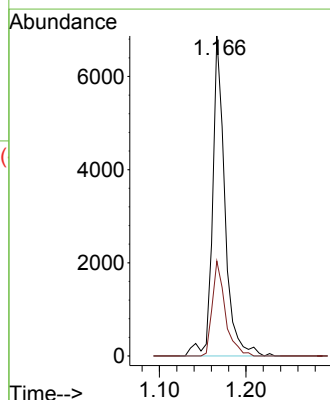
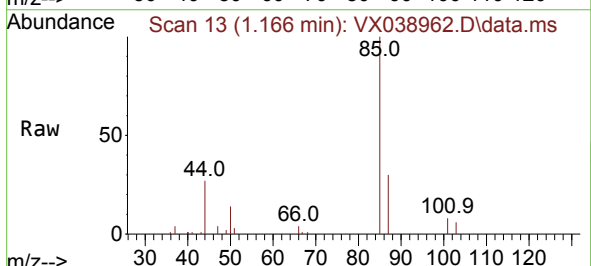
Instrument :
 MSVOA_X
 ClientSampleId :
 45BR-20231113

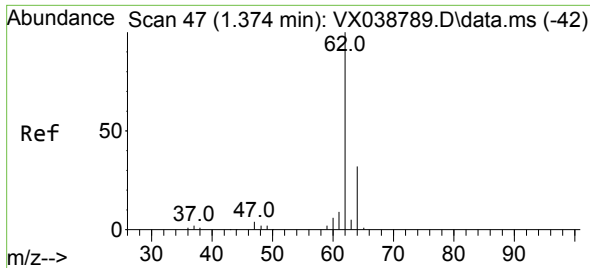
Tgt Ion:168 Resp: 113984
 Ion Ratio Lower Upper
 168 100
 99 62.5 56.6 85.0



#2
 Dichlorodifluoromethane
 Concen: 5.113 ug/l
 RT: 1.166 min Scan# 13
 Delta R.T. 0.000 min
 Lab File: VX038962.D
 Acq: 20 Nov 2023 16:37

Tgt Ion: 85 Resp: 6800
 Ion Ratio Lower Upper
 85 100
 87 29.7 16.7 50.1

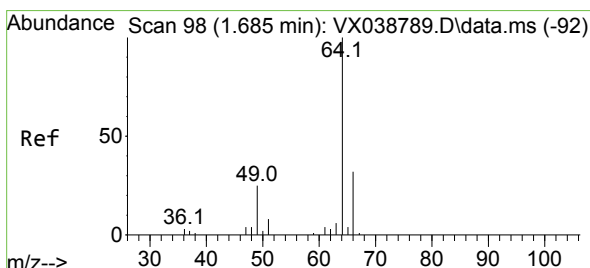
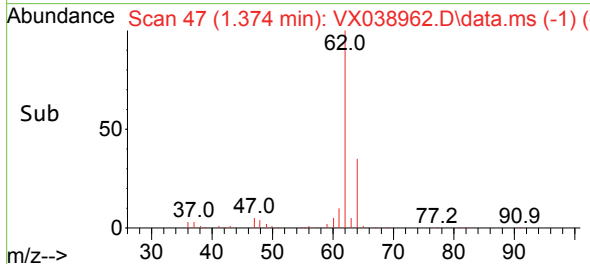
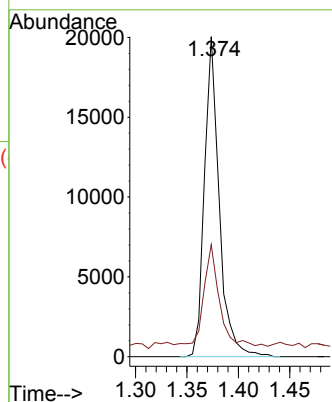
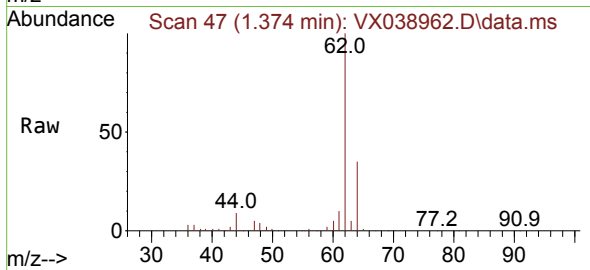




#4
 Vinyl Chloride
 Concen: 12.001 ug/l
 RT: 1.374 min Scan# 41
 Delta R.T. -0.000 min
 Lab File: VX038962.D
 Acq: 20 Nov 2023 16:37

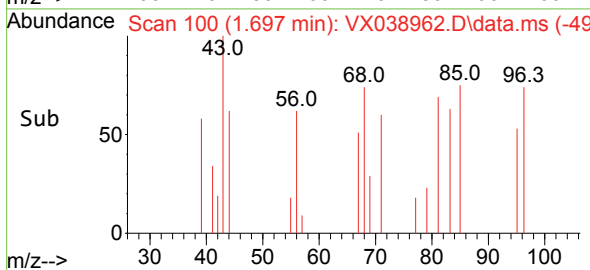
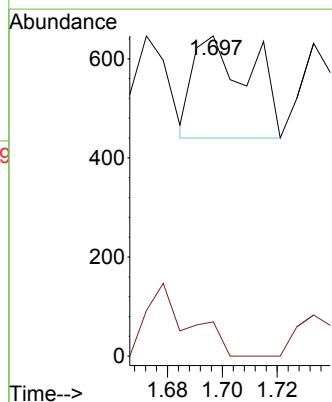
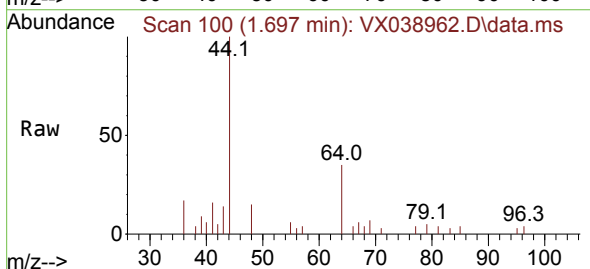
Instrument :
 MSVOA_X
 ClientSampleId :
 45BR-20231113

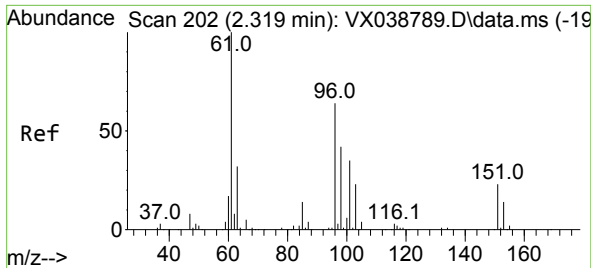
Tgt Ion: 62 Resp: 20067
 Ion Ratio Lower Upper
 62 100
 64 30.9 25.4 38.0



#6
 Chloroethane
 Concen: 0.309 ug/l
 RT: 1.697 min Scan# 100
 Delta R.T. 0.012 min
 Lab File: VX038962.D
 Acq: 20 Nov 2023 16:37

Tgt Ion: 64 Resp: 295
 Ion Ratio Lower Upper
 64 100
 66 33.5 25.1 37.7

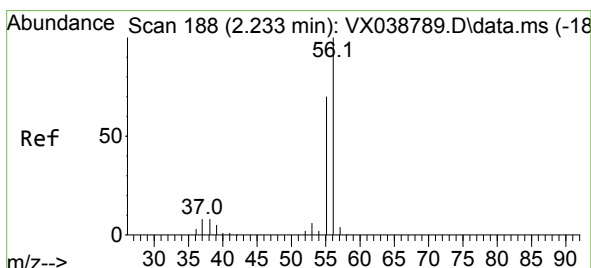
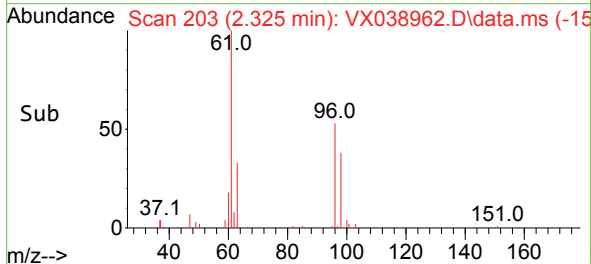
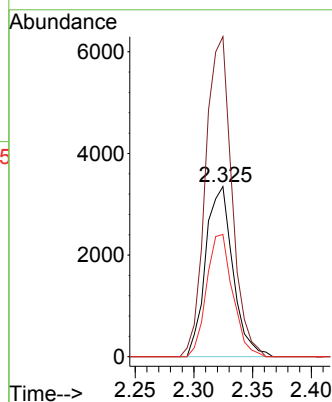
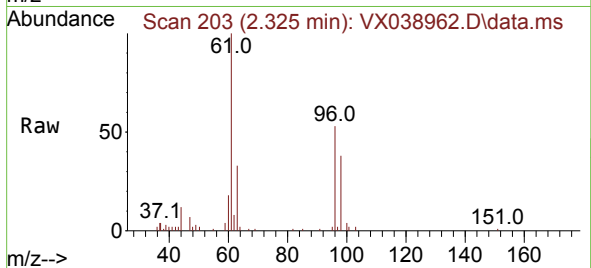




#12
1,1-Dichloroethene
Concen: 3.801 ug/l
RT: 2.325 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX038962.D
Acq: 20 Nov 2023 16:37

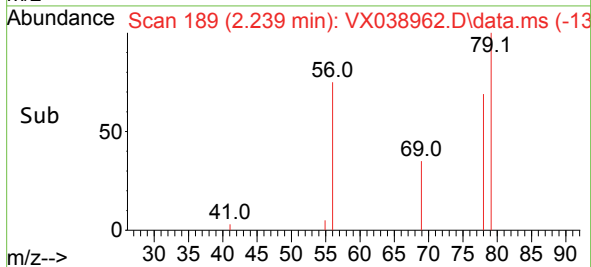
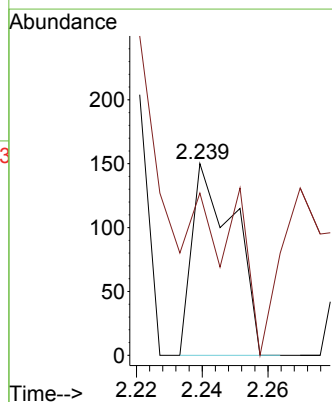
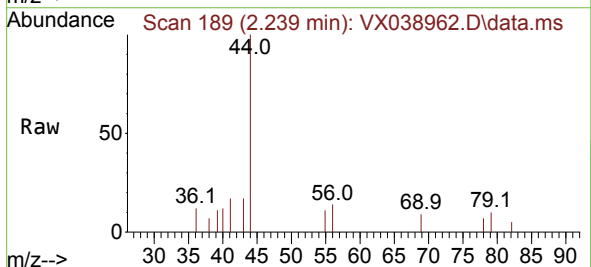
Instrument :
MSVOA_X
ClientSampleId :
45BR-20231113

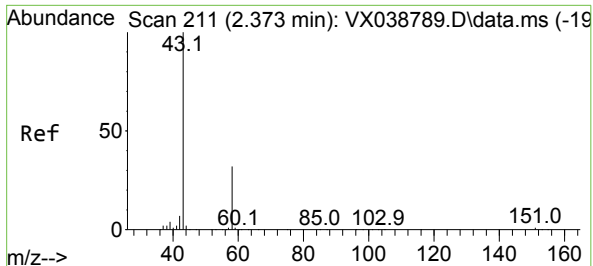
Tgt Ion: 96 Resp: 5400
Ion Ratio Lower Upper
96 100
61 188.1 144.6 216.8
98 71.9 50.4 75.6



#13
Acrolein
Concen: 0.496 ug/l
RT: 2.239 min Scan# 189
Delta R.T. 0.006 min
Lab File: VX038962.D
Acq: 20 Nov 2023 16:37

Tgt Ion: 56 Resp: 134
Ion Ratio Lower Upper
56 100
55 0.0 57.1 85.7#

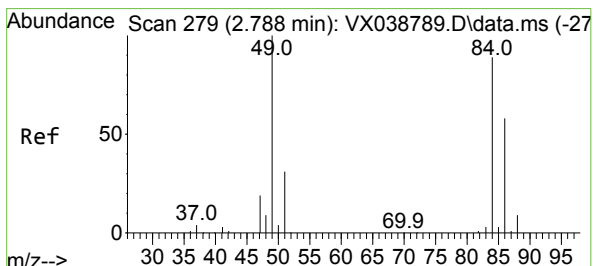
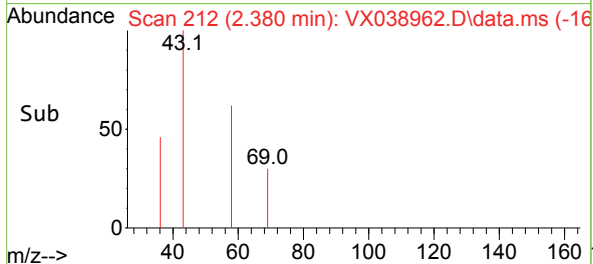
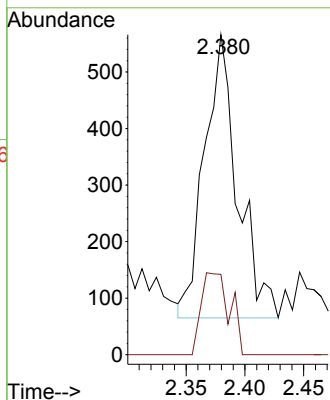
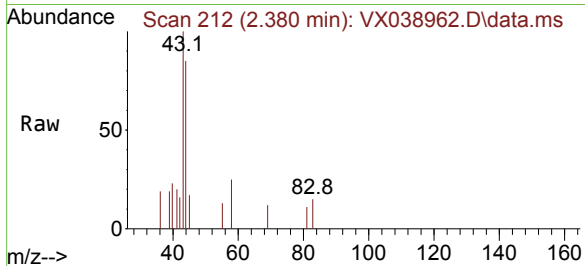




#16
Acetone
Concen: 1.005 ug/l
RT: 2.380 min Scan# 211
Delta R.T. 0.006 min
Lab File: VX038962.D
Acq: 20 Nov 2023 16:37

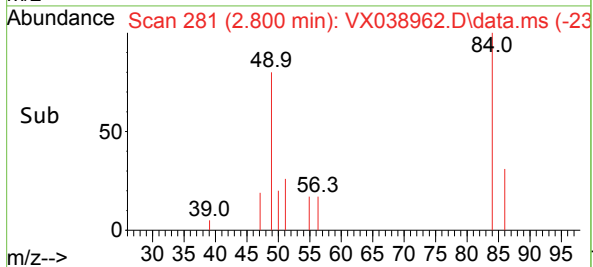
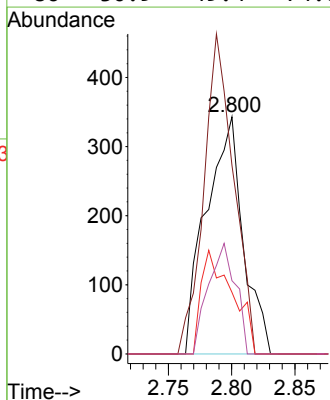
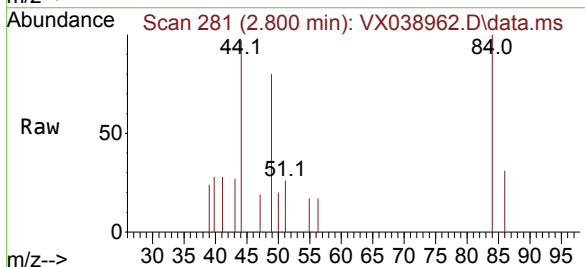
Instrument :
MSVOA_X
ClientSampleId :
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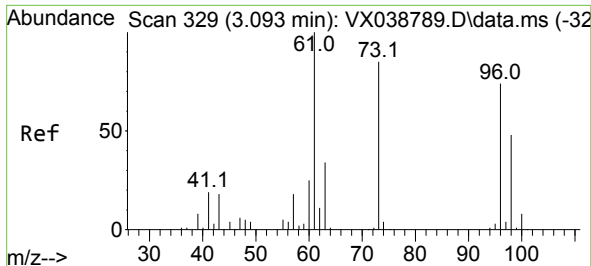
Tgt Ion: 43 Resp: 983
Ion Ratio Lower Upper
43 100
58 28.3 21.9 32.9



#20
Methylene Chloride
Concen: 0.395 ug/l
RT: 2.800 min Scan# 281
Delta R.T. 0.012 min
Lab File: VX038962.D
Acq: 20 Nov 2023 16:37

Tgt Ion: 84 Resp: 696
Ion Ratio Lower Upper
84 100
49 79.6 103.6 155.4#
51 25.9 33.8 50.6#
86 30.9 49.4 74.0#

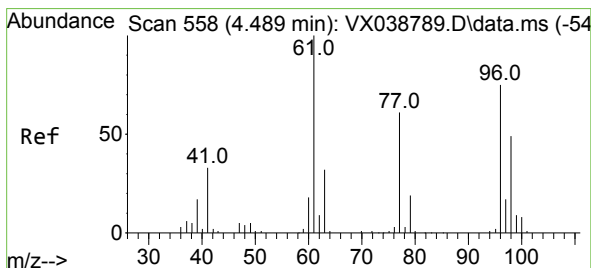
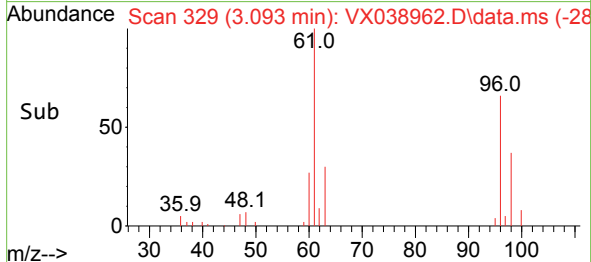
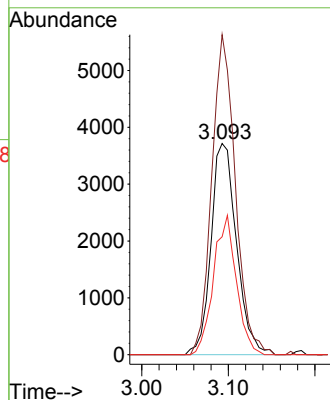
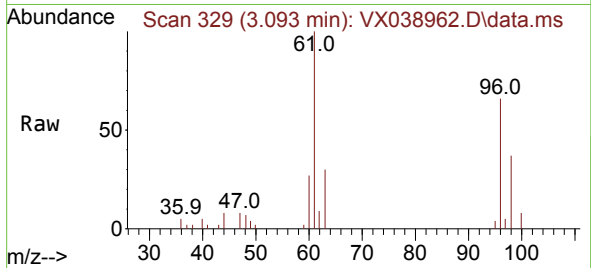




#21
trans-1,2-Dichloroethene
Concen: 4.850 ug/l
RT: 3.093 min Scan# 31
Delta R.T. -0.000 min
Lab File: VX038962.D
Acq: 20 Nov 2023 16:37

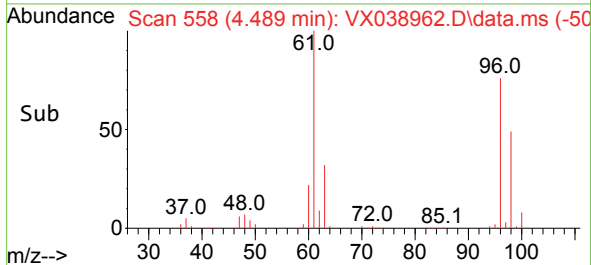
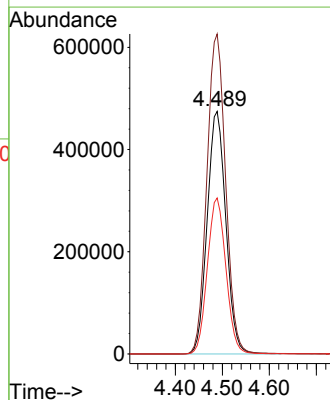
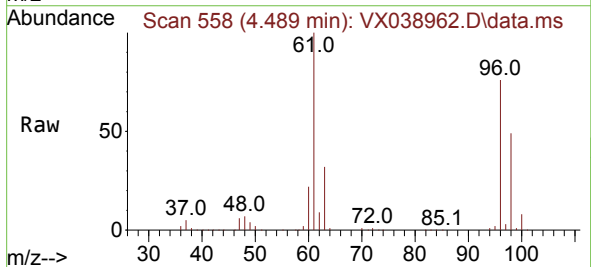
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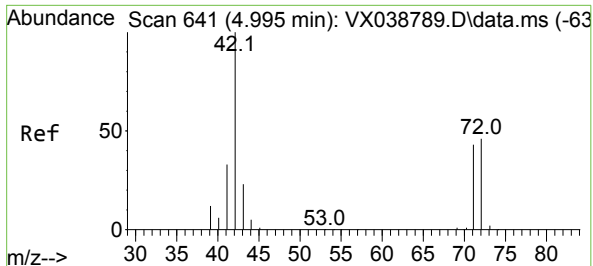
Tgt Ion: 96 Resp: 7603
Ion Ratio Lower Upper
96 100
61 151.5 119.2 178.8
98 55.9 48.7 73.1



#27
cis-1,2-Dichloroethene
Concen: 715.208 ug/l
RT: 4.489 min Scan# 558
Delta R.T. -0.000 min
Lab File: VX038962.D
Acq: 20 Nov 2023 16:37

Tgt Ion: 96 Resp: 1306830
Ion Ratio Lower Upper
96 100
61 132.9 0.0 312.2
98 64.1 0.0 129.0





#29

Tetrahydrofuran

Concen: 1.173 ug/l

RT: 5.019 min Scan# 641

Delta R.T. 0.024 min

Lab File: VX038962.D

Acq: 20 Nov 2023 16:37

Instrument :

MSVOA_X

ClientSampleId :

45BR-20231113

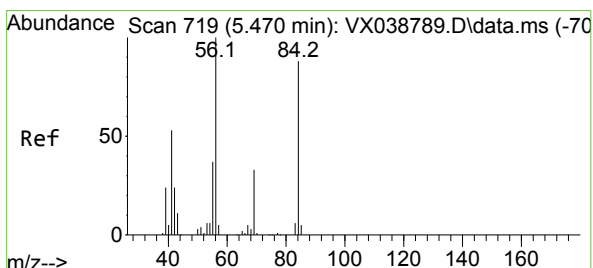
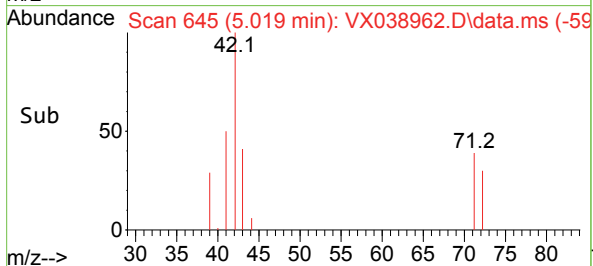
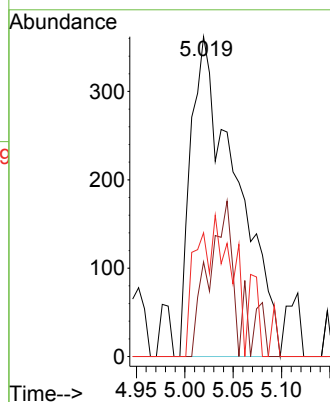
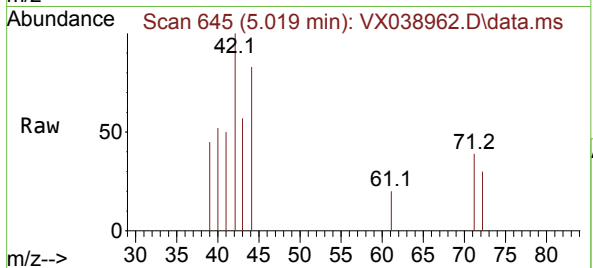
Tgt Ion: 42 Resp: 1181

Ion Ratio Lower Upper

42 100

72 0.0 34.2 51.4#

71 14.6 32.2 48.2#



#31

Cyclohexane

Concen: 1.159 ug/l

RT: 5.544 min Scan# 731

Delta R.T. 0.073 min

Lab File: VX038962.D

Acq: 20 Nov 2023 16:37

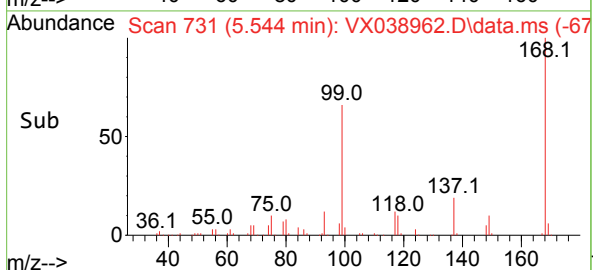
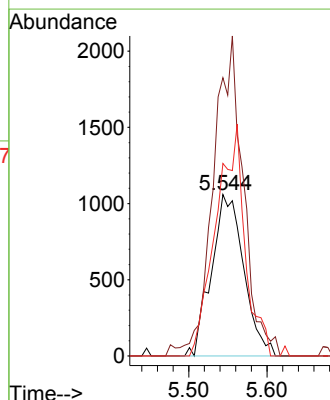
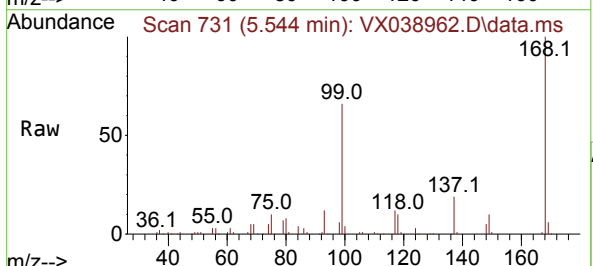
Tgt Ion: 56 Resp: 3040

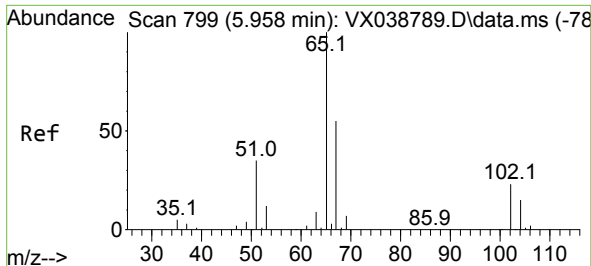
Ion Ratio Lower Upper

56 100

69 172.4 23.4 35.2#

84 119.3 65.9 98.9#





#33

1,2-Dichloroethane-d4

Concen: 49.060 ug/l

RT: 5.958 min Scan# 799

Delta R.T. -0.000 min

Lab File: VX038962.D

Acq: 20 Nov 2023 16:37

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ClientSampleId :

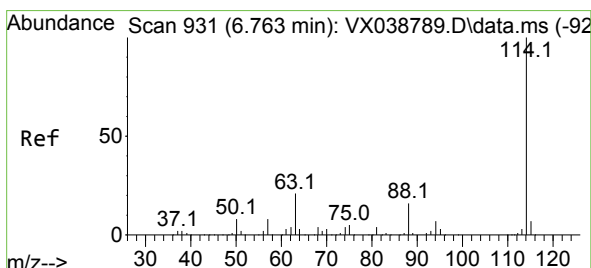
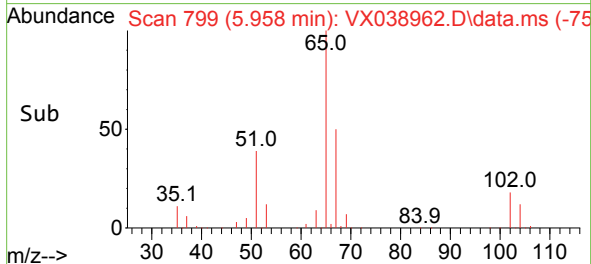
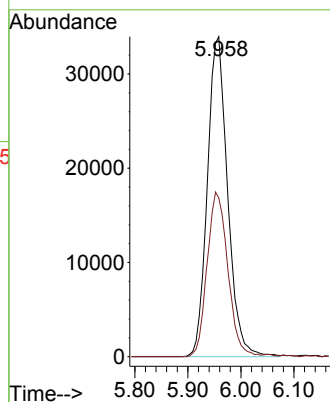
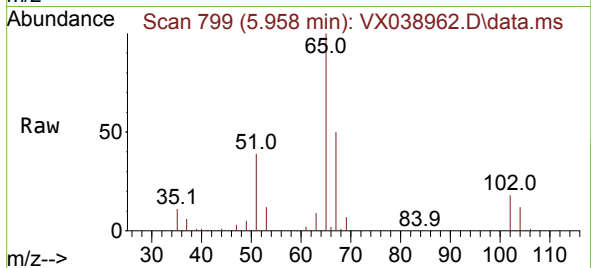
45BR-20231113

Tgt Ion: 65 Resp: 90107

Ion Ratio Lower Upper

65 100

67 52.5 0.0 100.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX038962.D

Acq: 20 Nov 2023 16:37

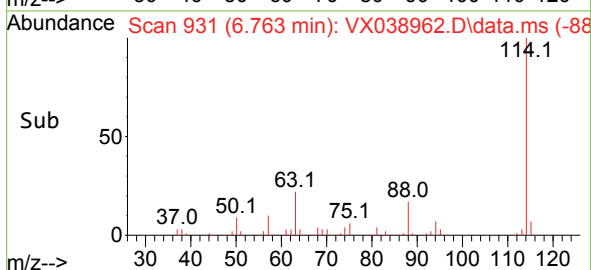
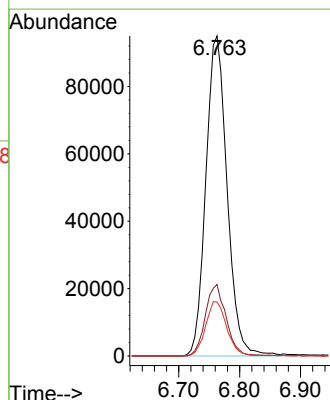
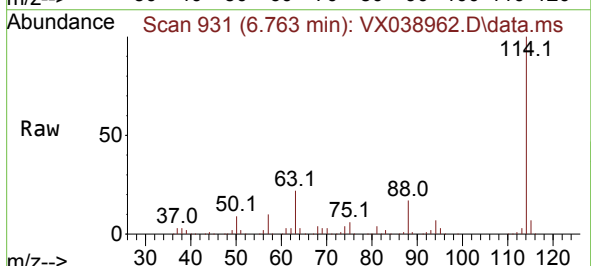
Tgt Ion: 114 Resp: 230253

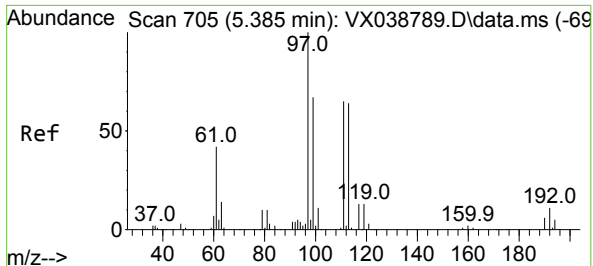
Ion Ratio Lower Upper

114 100

63 22.3 0.0 45.0

88 16.9 0.0 36.6

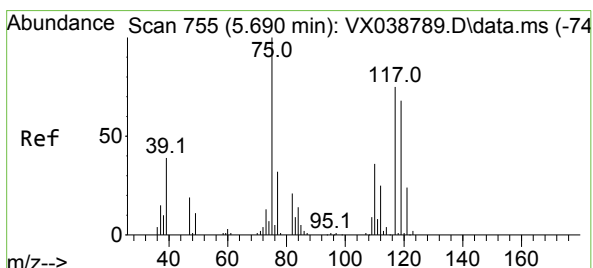
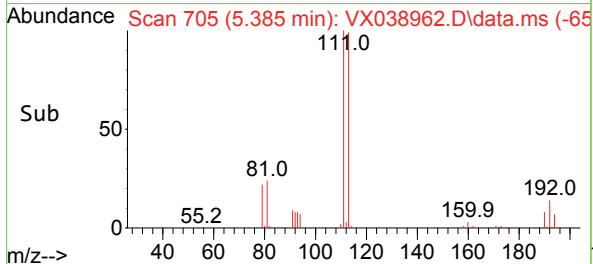
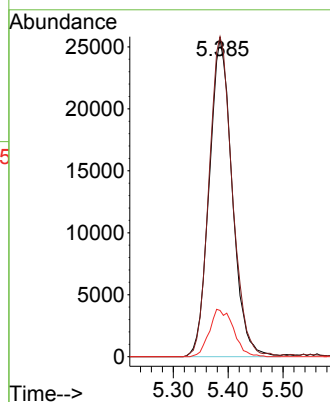
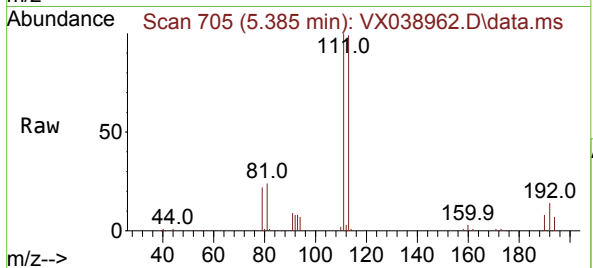




#35
Dibromofluoromethane
Concen: 44.732 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX038962.D
Acq: 20 Nov 2023 16:37

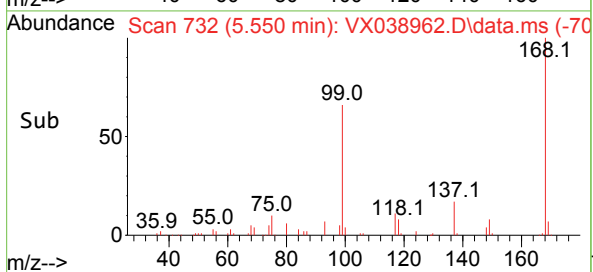
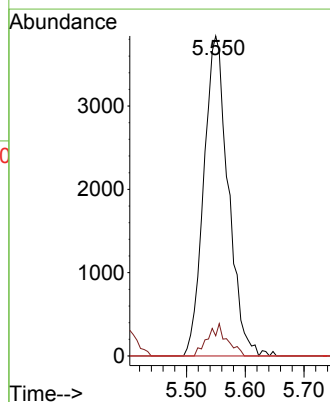
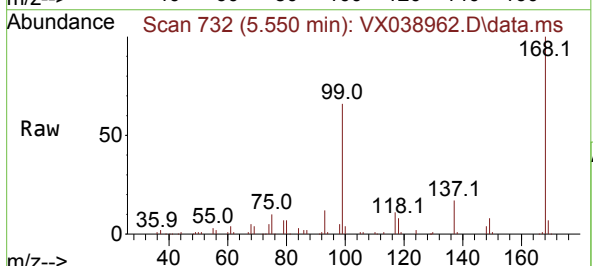
Instrument :
MSVOA_X
ClientSampleId :
45BR-20231113

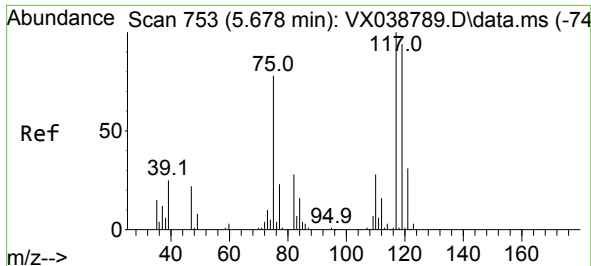
Tgt Ion:113 Resp: 74386
Ion Ratio Lower Upper
113 100
111 101.9 82.9 124.3
192 15.7 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.658 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX038962.D
Acq: 20 Nov 2023 16:37

Tgt Ion: 75 Resp: 11102
Ion Ratio Lower Upper
75 100
110 7.8 17.0 50.9#
77 0.0 24.7 37.1#

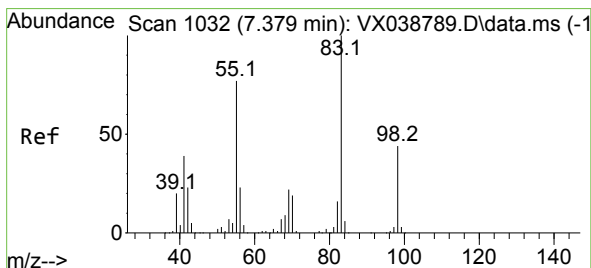
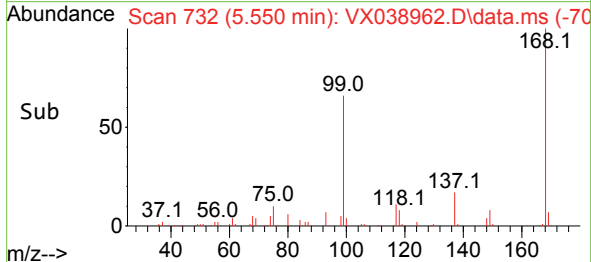
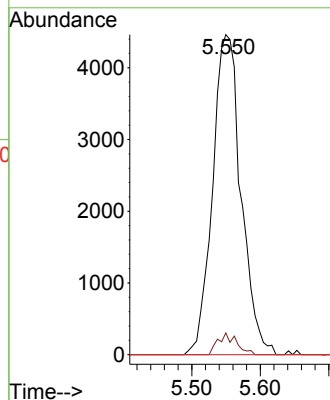
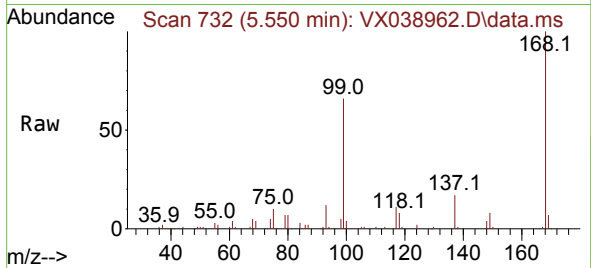




#38
Carbon Tetrachloride
Concen: 5.836 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX038962.D
Acq: 20 Nov 2023 16:37

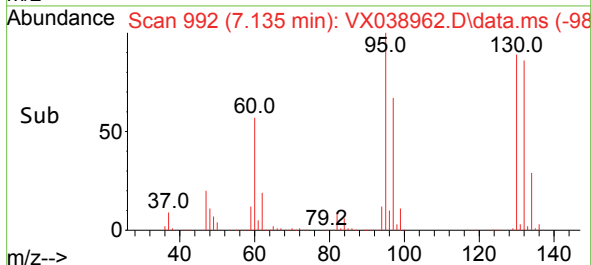
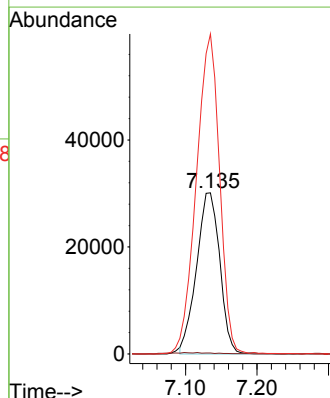
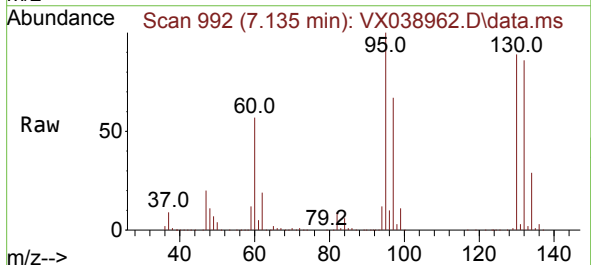
Instrument :
MSVOA_X
ClientSampleId :
45BR-20231113

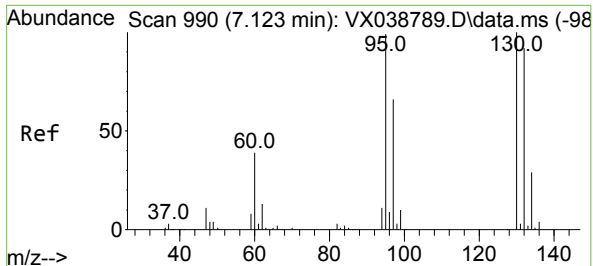
Tgt Ion:117 Resp: 12855
Ion Ratio Lower Upper
117 100
119 6.8 78.2 117.2#
121 0.0 24.4 36.6#



#39
Methylcyclohexane
Concen: 21.858 ug/l
RT: 7.135 min Scan# 992
Delta R.T. -0.244 min
Lab File: VX038962.D
Acq: 20 Nov 2023 16:37

Tgt Ion: 83 Resp: 67953
Ion Ratio Lower Upper
83 100
55 0.6 64.6 97.0#
98 198.4 36.7 55.1#

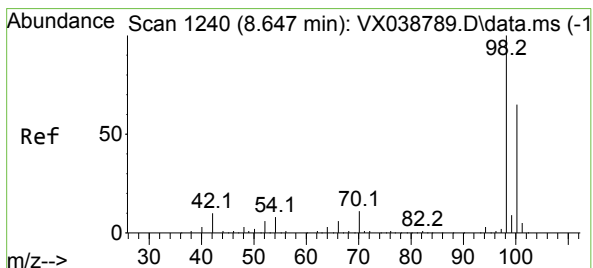
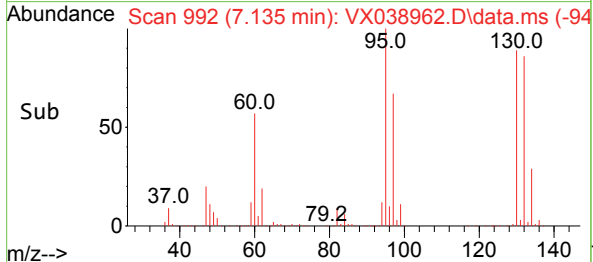
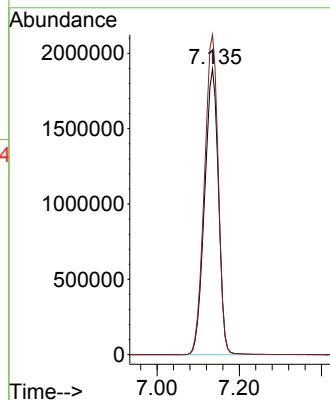
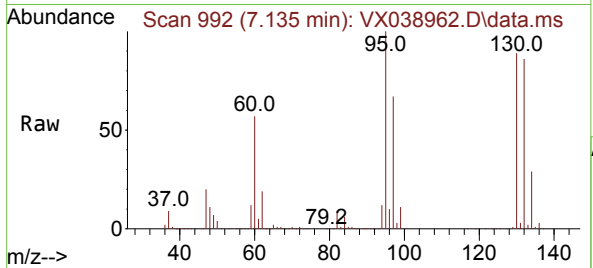




#44
Trichloroethene
Concen: 2589.241 ug/l
RT: 7.135 min Scan# 991
Delta R.T. 0.012 min
Lab File: VX038962.D
Acq: 20 Nov 2023 16:37

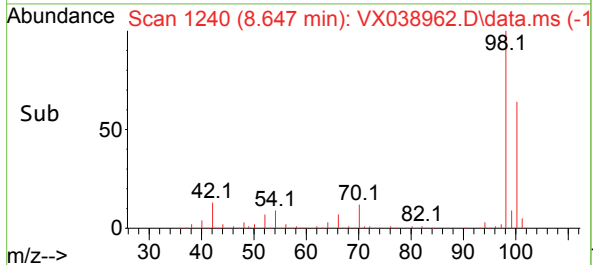
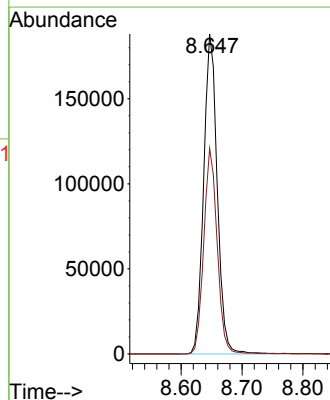
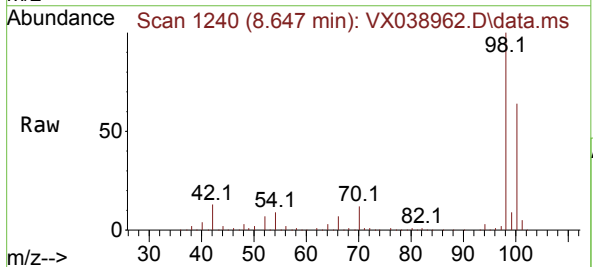
Instrument :
MSVOA_X
ClientSampleId :
45BR-20231113

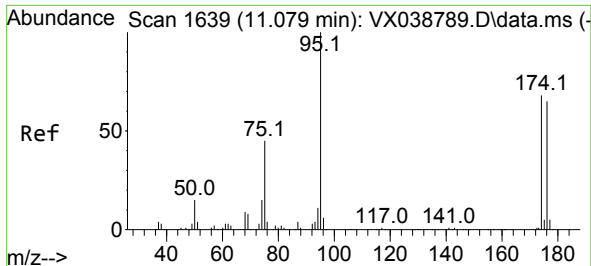
Tgt Ion:130 Resp: 4442790
Ion Ratio Lower Upper
130 100
95 112.0 0.0 204.4



#50
Toluene-d8
Concen: 45.867 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX038962.D
Acq: 20 Nov 2023 16:37

Tgt Ion: 98 Resp: 291828
Ion Ratio Lower Upper
98 100
100 63.6 53.1 79.7

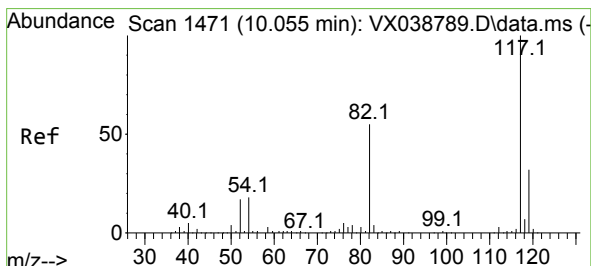
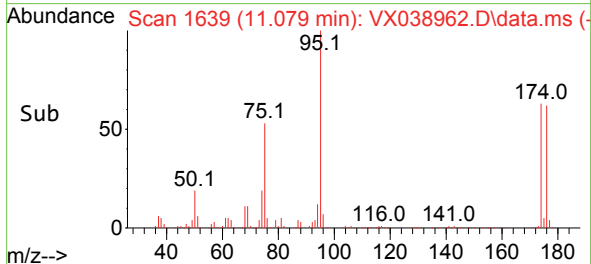
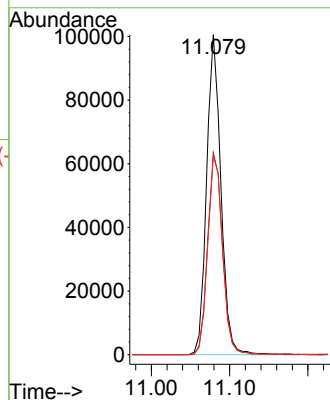
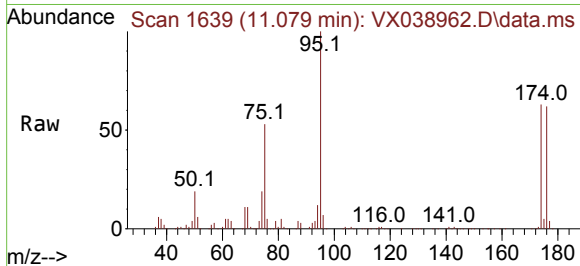




#62
4-Bromofluorobenzene
Concen: 49.796 ug/l
RT: 11.079 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX038962.D
Acq: 20 Nov 2023 16:37

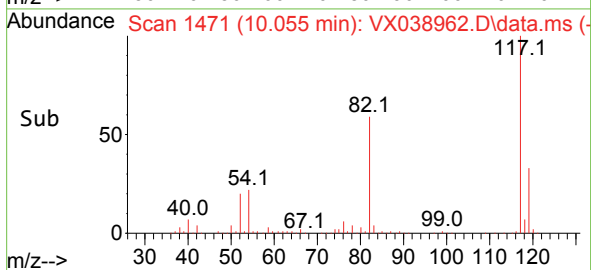
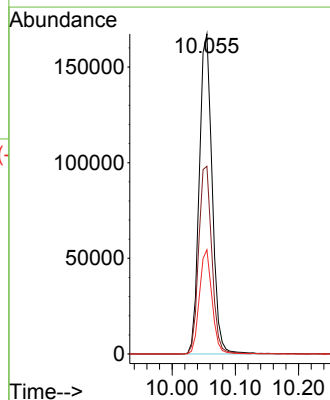
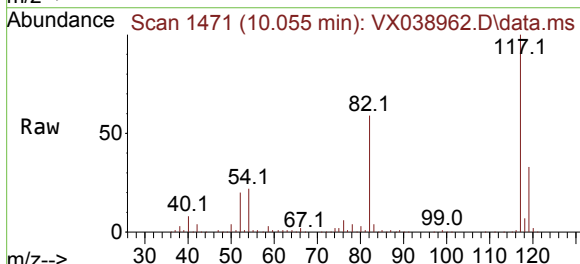
Instrument :
MSVOA_X
ClientSampleId :
45BR-20231113

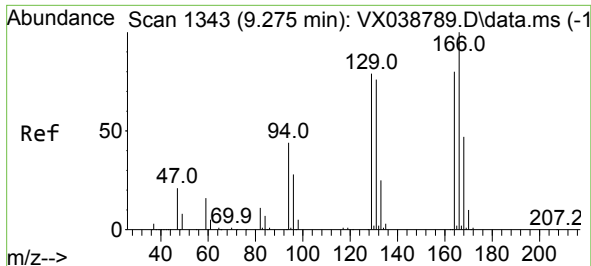
Tgt Ion: 95 Resp: 126827
Ion Ratio Lower Upper
95 100
174 66.0 0.0 135.6
176 64.1 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX038962.D
Acq: 20 Nov 2023 16:37

Tgt Ion: 117 Resp: 237566
Ion Ratio Lower Upper
117 100
82 58.6 46.2 69.4
119 32.6 25.5 38.3

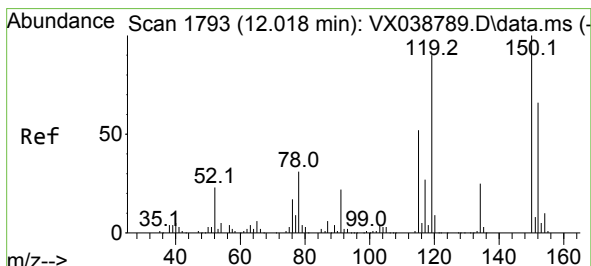
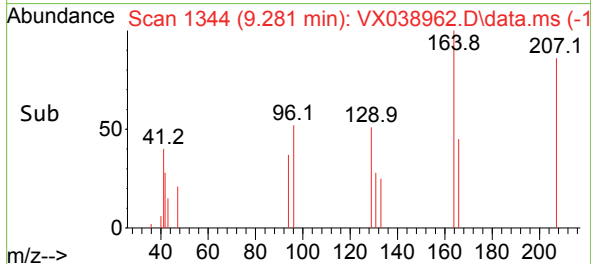
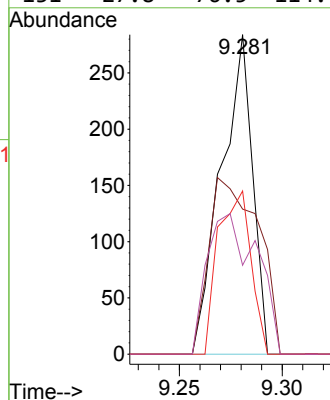
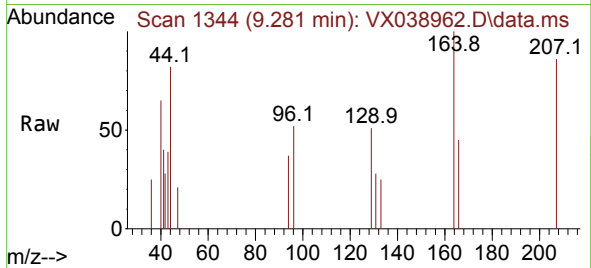




#64
Tetrachloroethene
Concen: 0.204 ug/l
RT: 9.281 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX038962.D
Acq: 20 Nov 2023 16:37

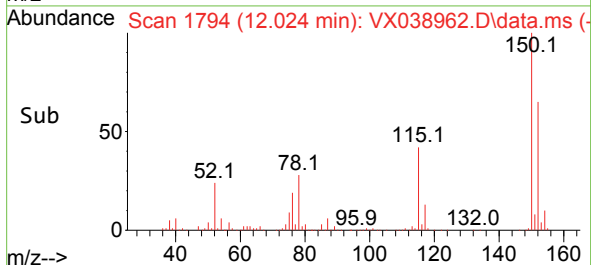
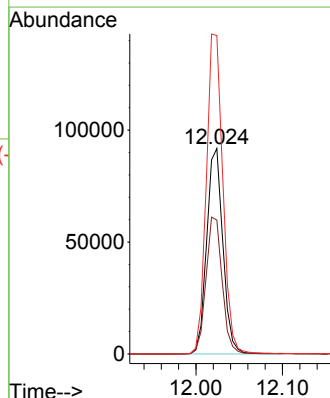
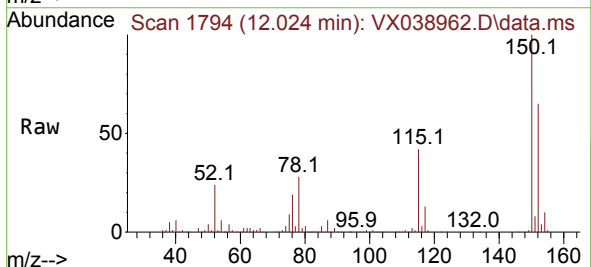
Instrument :
MSVOA_X
ClientSampleId :
45BR-20231113

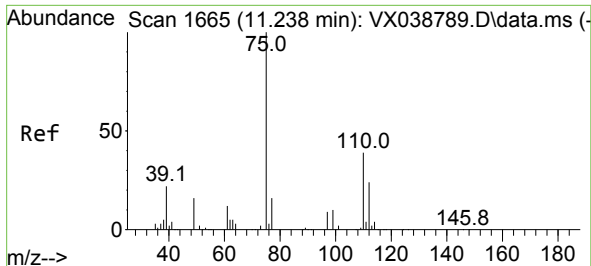
Tgt Ion:164 Resp: 301
Ion Ratio Lower Upper
164 100
166 45.4 102.7 154.1#
129 51.1 80.4 120.6#
131 27.8 76.5 114.7#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.006 min
Lab File: VX038962.D
Acq: 20 Nov 2023 16:37

Tgt Ion:152 Resp: 119056
Ion Ratio Lower Upper
152 100
115 66.9 43.3 129.9
150 159.2 0.0 345.0

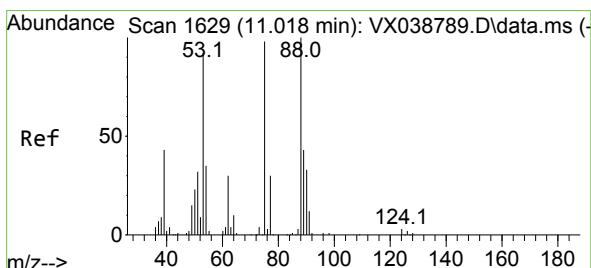
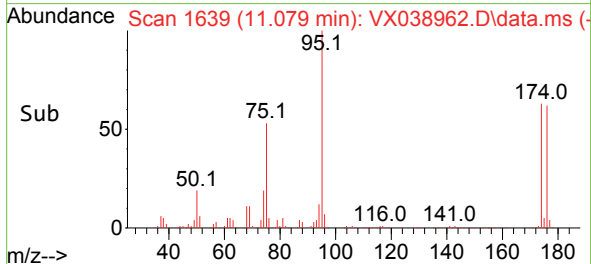
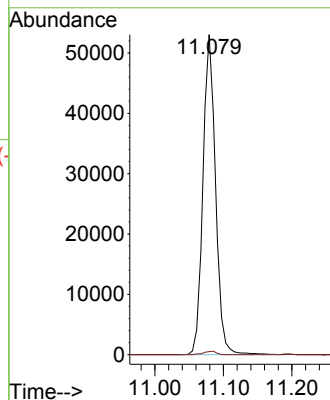
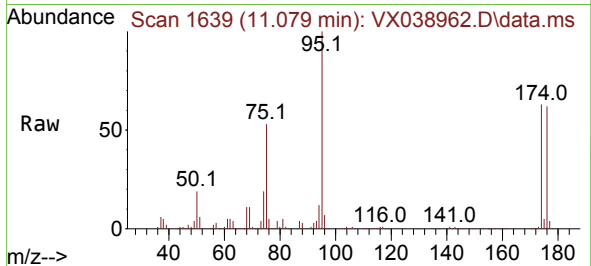




#76
1,2,3-Trichloropropane
Concen: 22.850 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX038962.D
Acq: 20 Nov 2023 16:37

Instrument :
MSVOA_X
ClientSampleId :
45BR-20231113

Tgt Ion: 75 Resp: 67874
Ion Ratio Lower Upper
75 100
77 1.1 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 50.683 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX038962.D
Acq: 20 Nov 2023 16:37

Tgt Ion: 75 Resp: 67874
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#

