

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112023\
 Data File : VX038967.D
 Acq On : 20 Nov 2023 18:31
 Operator : JC/MD
 Sample : 05431-11 100X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BRP2-20231113

Quant Time: Nov 21 00:24:52 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)

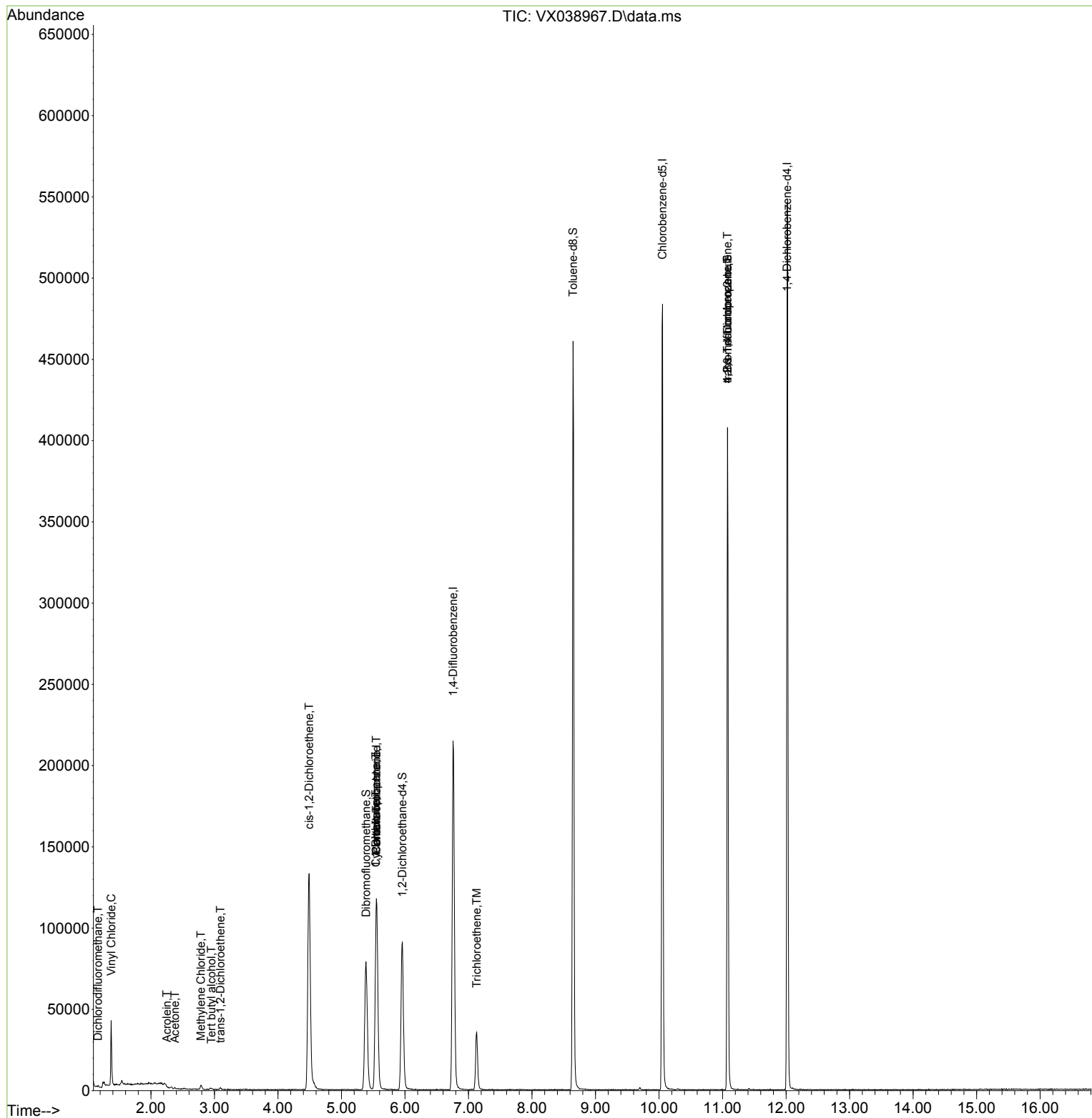
Internal Standards						
1) Pentafluorobenzene	5.550	168	106093	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	214682	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	217305	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	107101	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	85799	50.189	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 100.380%	
35) Dibromofluoromethane	5.385	113	69514	44.834	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 89.660%	
50) Toluene-d8	8.647	98	272013	45.853	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 91.700%#	
62) 4-Bromofluorobenzene	11.079	95	114997	48.426	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 96.860%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	569	0.460	ug/l	85
4) Vinyl Chloride	1.374	62	24467	15.720	ug/l	97
11) Tert butyl alcohol	2.953	59	495	1.041	ug/l #	78
13) Acrolein	2.252	56	146	0.580	ug/l #	14
16) Acetone	2.380	43	508	0.558	ug/l #	59
20) Methylene Chloride	2.788	84	1280	0.780	ug/l #	84
21) trans-1,2-Dichloroethene	3.093	96	460	0.315	ug/l #	61
27) cis-1,2-Dichloroethene	4.489	96	82245	48.359	ug/l	88
31) Cyclohexane	5.544	56	2839	1.163	ug/l #	7
36) 1,1-Dichloropropene	5.544	75	9640	4.338	ug/l #	51
38) Carbon Tetrachloride	5.550	117	11437	5.569	ug/l #	16
44) Trichloroethene	7.129	130	13395	8.373	ug/l	97
76) 1,2,3-Trichloropropane	11.079	75	60609	22.682	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	60609	50.310	ug/l #	5

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

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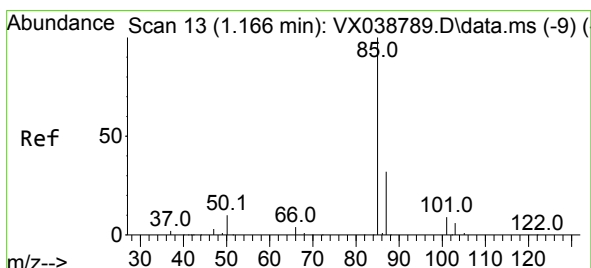
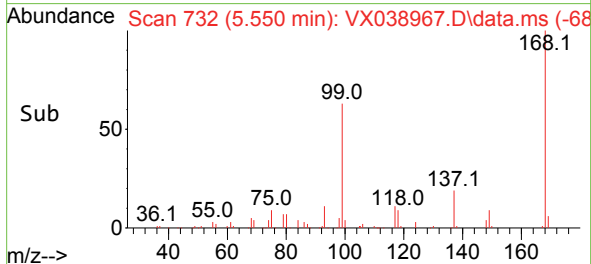
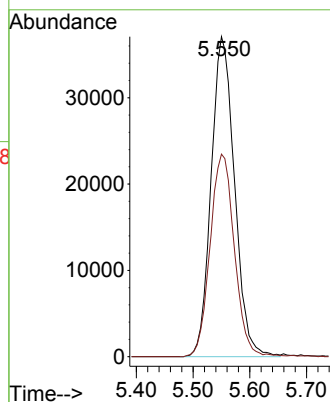
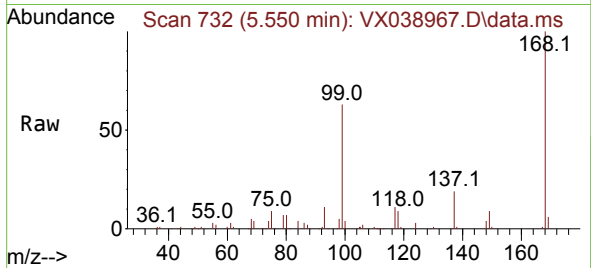




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX038967.D
Acq: 20 Nov 2023 18:31

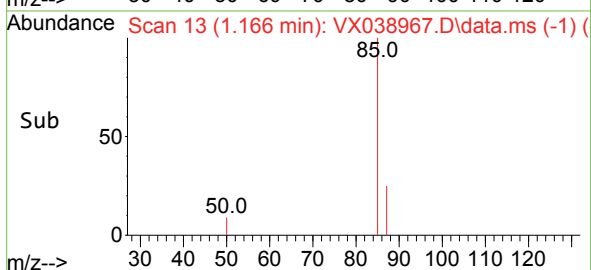
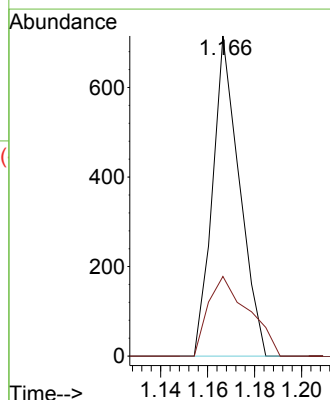
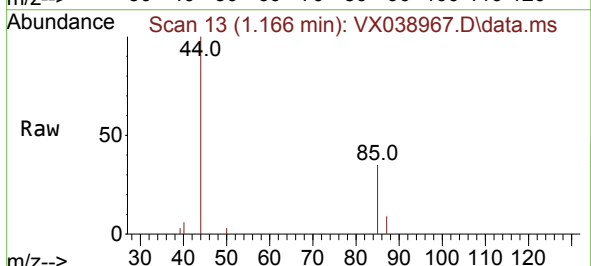
Instrument :
MSVOA_X
ClientSampleId :
BRP2-20231113

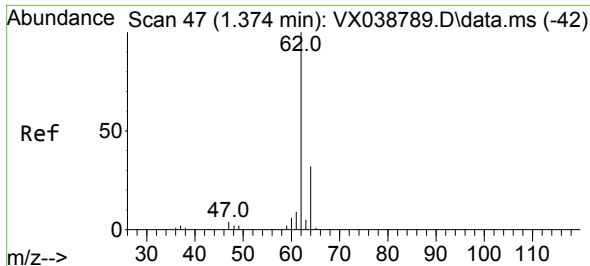
Tgt Ion:168 Resp: 106093
Ion Ratio Lower Upper
168 100
99 63.3 56.6 85.0



#2
Dichlorodifluoromethane
Concen: 0.460 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX038967.D
Acq: 20 Nov 2023 18:31

Tgt Ion: 85 Resp: 569
Ion Ratio Lower Upper
85 100
87 24.9 16.7 50.1

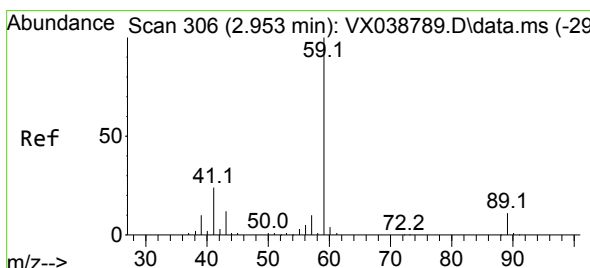
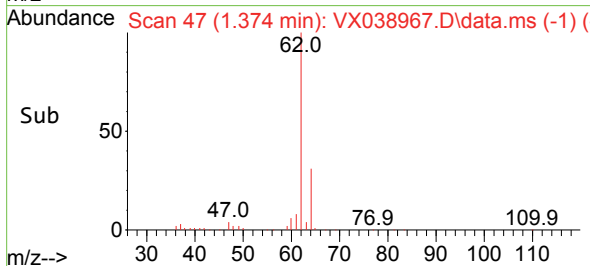
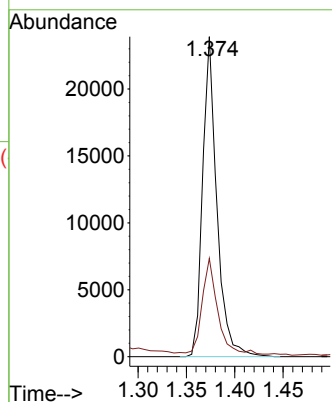
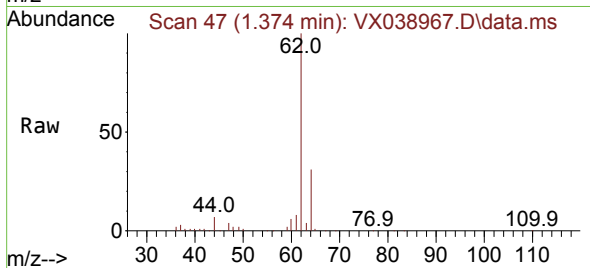




#4
 Vinyl Chloride
 Concen: 15.720 ug/l
 RT: 1.374 min Scan# 41
 Delta R.T. -0.000 min
 Lab File: VX038967.D
 Acq: 20 Nov 2023 18:31

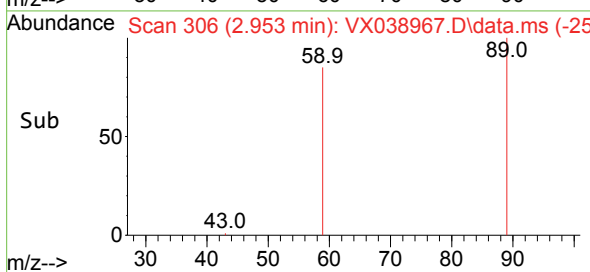
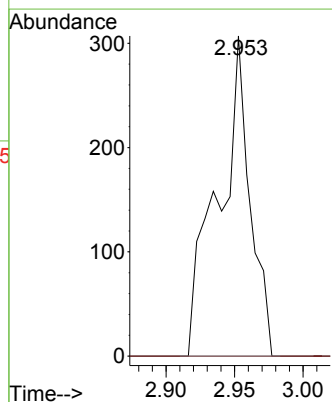
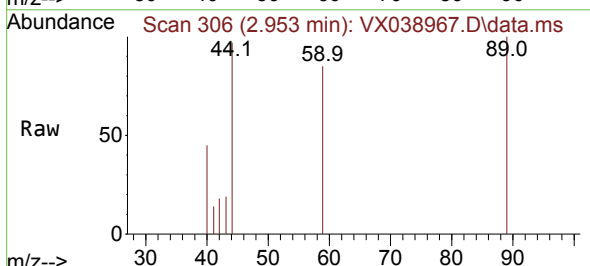
Instrument :
 MSVOA_X
 ClientSampleId :
 BRP2-20231113

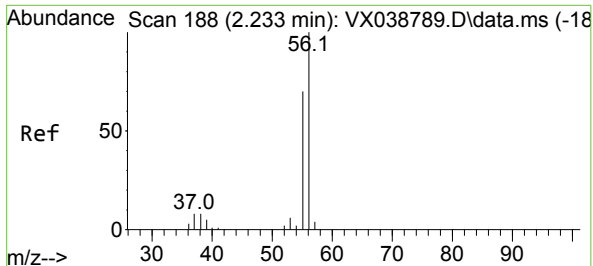
Tgt Ion: 62 Resp: 24467
 Ion Ratio Lower Upper
 62 100
 64 29.9 25.4 38.0



#11
 Tert butyl alcohol
 Concen: 1.041 ug/l
 RT: 2.953 min Scan# 306
 Delta R.T. 0.000 min
 Lab File: VX038967.D
 Acq: 20 Nov 2023 18:31

Tgt Ion: 59 Resp: 495
 Ion Ratio Lower Upper
 59 100
 57 0.0 6.0 9.0#

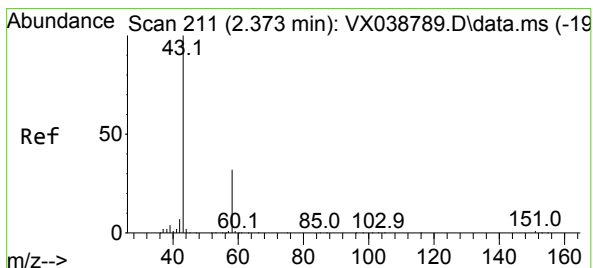
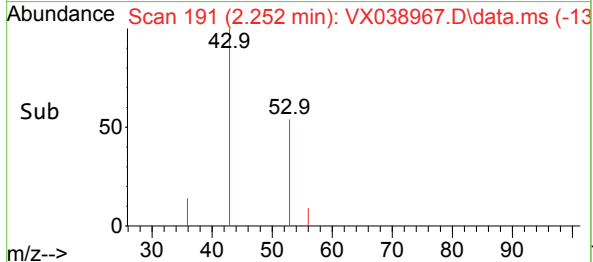
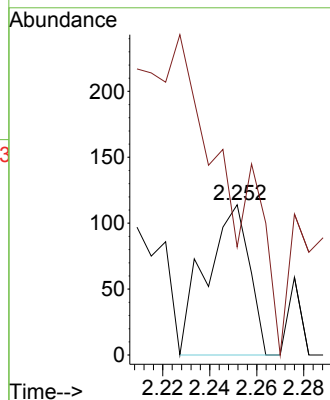
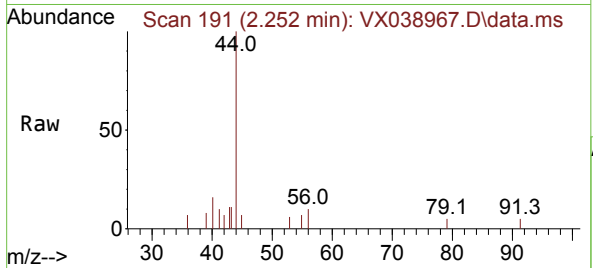




#13
Acrolein
Concen: 0.580 ug/l
RT: 2.252 min Scan# 191
Delta R.T. 0.018 min
Lab File: VX038967.D
Acq: 20 Nov 2023 18:31

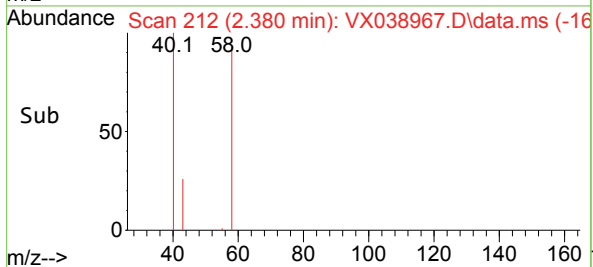
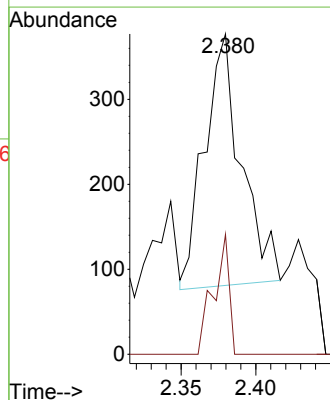
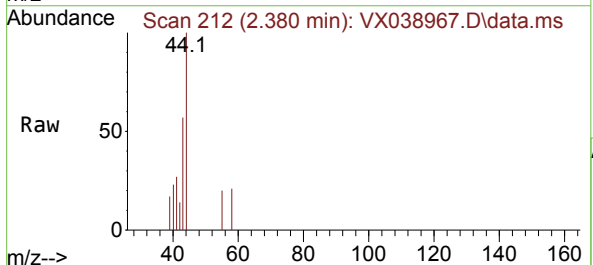
Instrument :
MSVOA_X
ClientSampleId :
BRP2-20231113

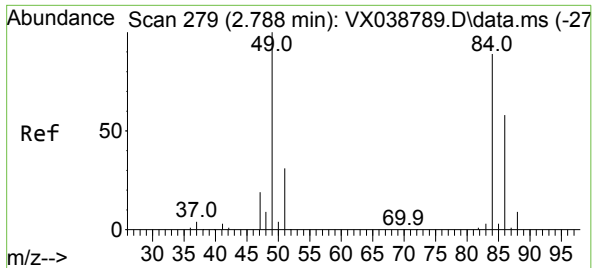
Tgt Ion: 56 Resp: 146
Ion Ratio Lower Upper
56 100
55 0.0 57.1 85.7#



#16
Acetone
Concen: 0.558 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX038967.D
Acq: 20 Nov 2023 18:31

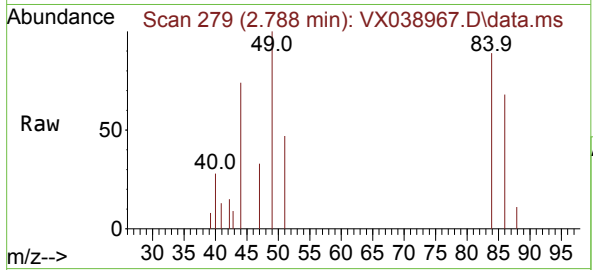
Tgt Ion: 43 Resp: 508
Ion Ratio Lower Upper
43 100
58 48.6 21.9 32.9#



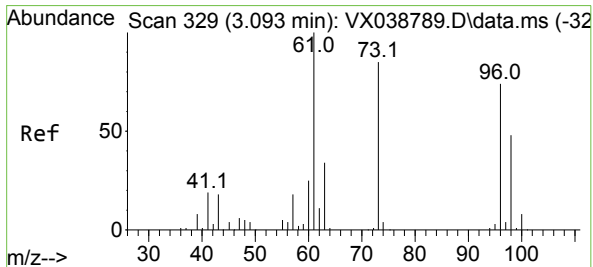
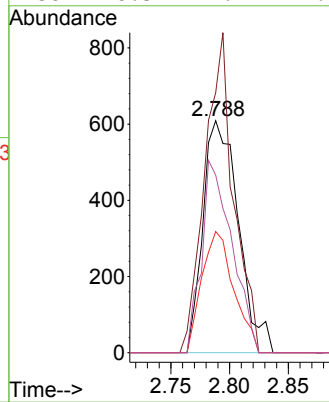
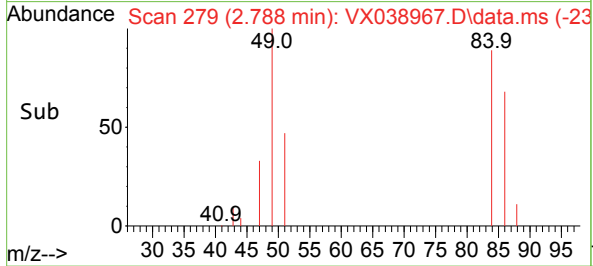


#20
Methylene Chloride
Concen: 0.780 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX038967.D
Acq: 20 Nov 2023 18:31

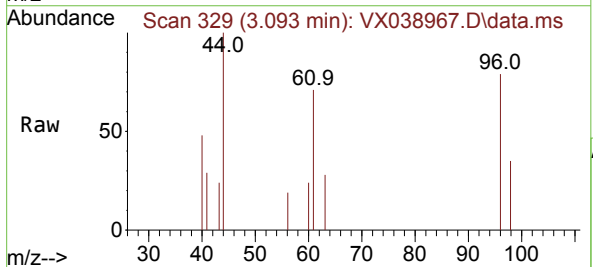
Instrument :
MSVOA_X
ClientSampleId :
BRP2-20231113



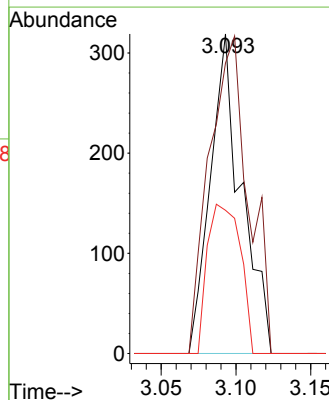
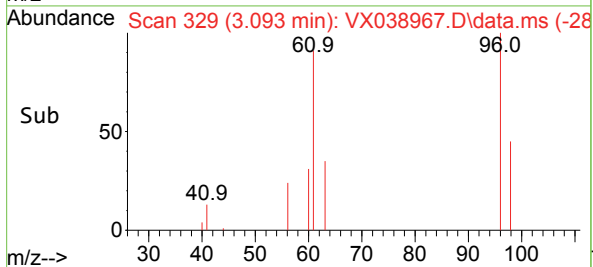
Tgt Ion: 84 Resp: 1280
Ion Ratio Lower Upper
84 100
49 112.2 103.6 155.4
51 52.2 33.8 50.6#
86 76.5 49.4 74.0#

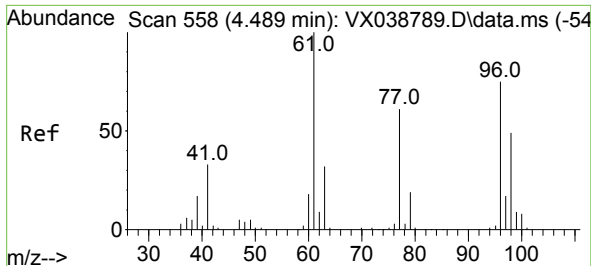


#21
trans-1,2-Dichloroethene
Concen: 0.315 ug/l
RT: 3.093 min Scan# 329
Delta R.T. 0.000 min
Lab File: VX038967.D
Acq: 20 Nov 2023 18:31



Tgt Ion: 96 Resp: 460
Ion Ratio Lower Upper
96 100
61 90.9 119.2 178.8#
98 44.8 48.7 73.1#

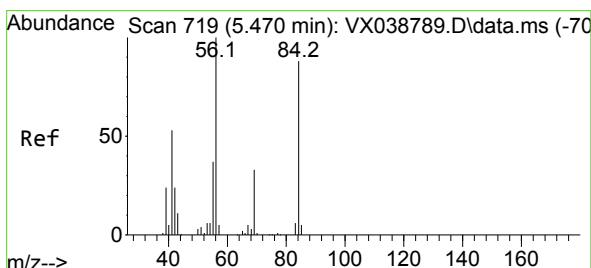
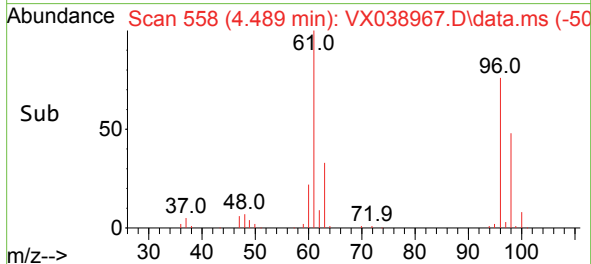
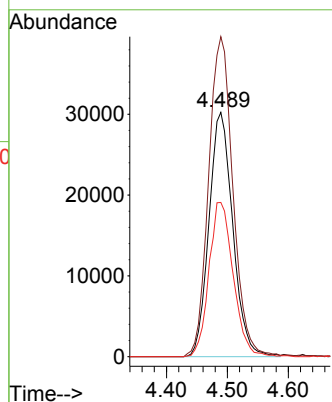
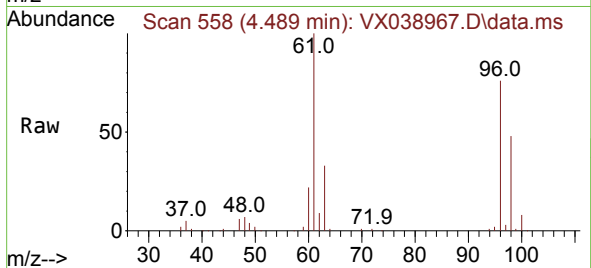




#27
cis-1,2-Dichloroethene
Concen: 48.359 ug/l
RT: 4.489 min Scan# 51
Delta R.T. 0.000 min
Lab File: VX038967.D
Acq: 20 Nov 2023 18:31

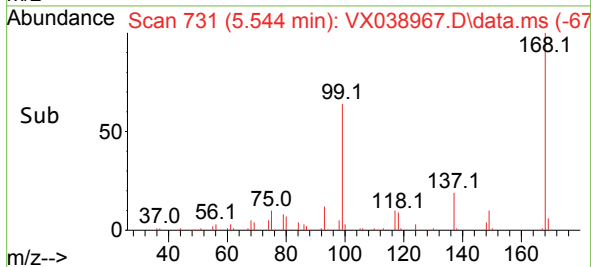
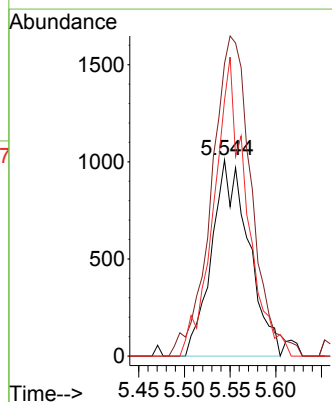
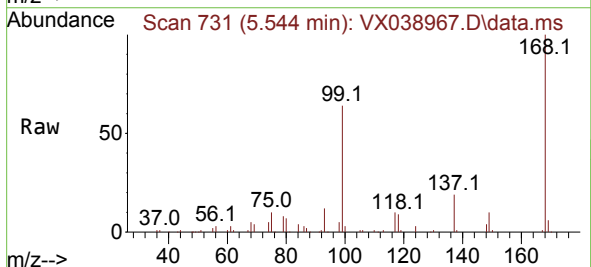
Instrument :
MSVOA_X
ClientSampleId :
BRP2-20231113

Tgt Ion: 96 Resp: 82245
Ion Ratio Lower Upper
96 100
61 133.9 0.0 312.2
98 64.1 0.0 129.0



#31
Cyclohexane
Concen: 1.163 ug/l
RT: 5.544 min Scan# 731
Delta R.T. 0.073 min
Lab File: VX038967.D
Acq: 20 Nov 2023 18:31

Tgt Ion: 56 Resp: 2839
Ion Ratio Lower Upper
56 100
69 138.4 23.4 35.2#
84 130.4 65.9 98.9#

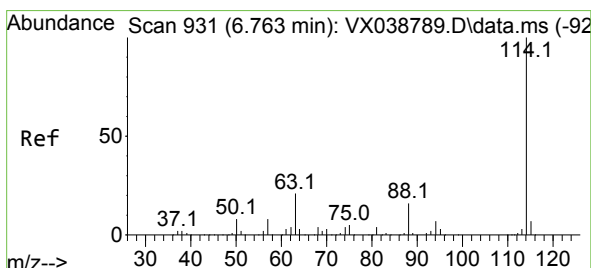
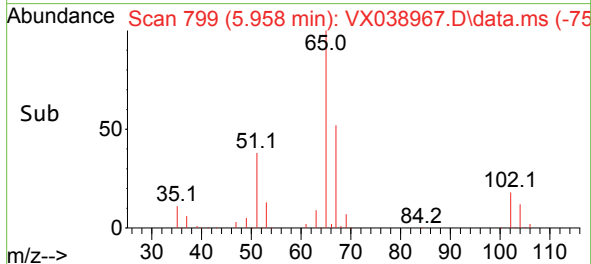
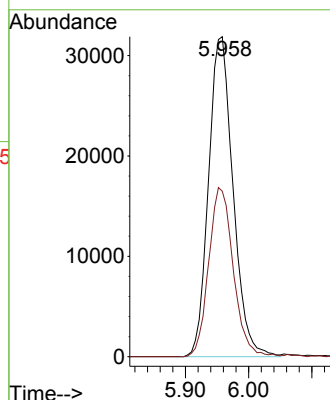
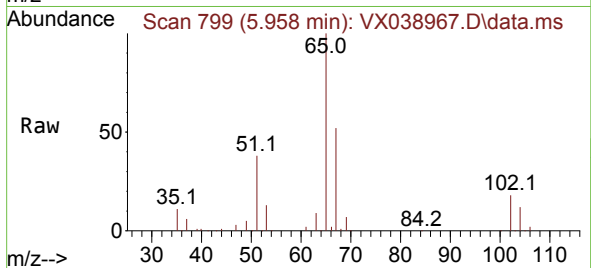




#33
 1,2-Dichloroethane-d4
 Concen: 50.189 ug/l
 RT: 5.958 min Scan# 799
 Delta R.T. 0.000 min
 Lab File: VX038967.D
 Acq: 20 Nov 2023 18:31

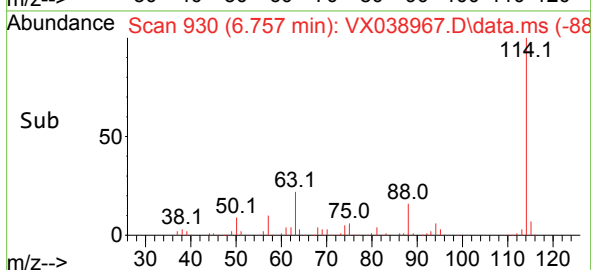
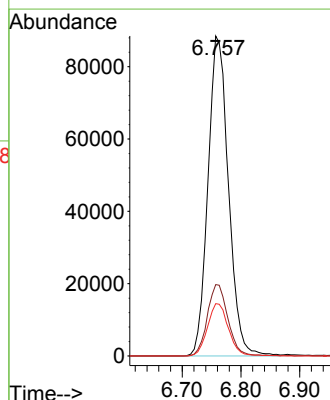
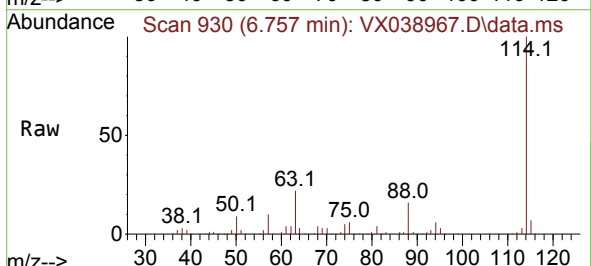
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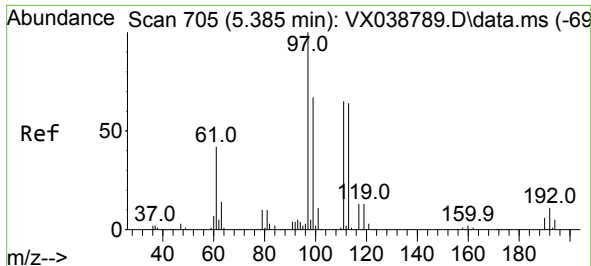
Tgt Ion: 65 Resp: 85799
 Ion Ratio Lower Upper
 65 100
 67 53.1 0.0 100.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.757 min Scan# 930
 Delta R.T. -0.006 min
 Lab File: VX038967.D
 Acq: 20 Nov 2023 18:31

Tgt Ion:114 Resp: 214682
 Ion Ratio Lower Upper
 114 100
 63 22.3 0.0 45.0
 88 16.4 0.0 36.6

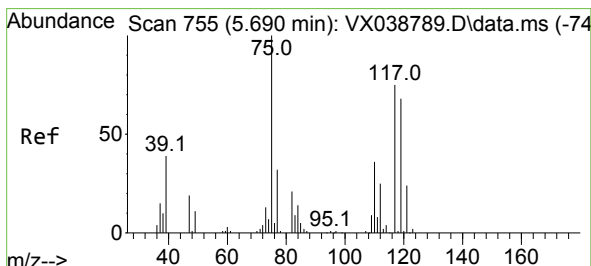
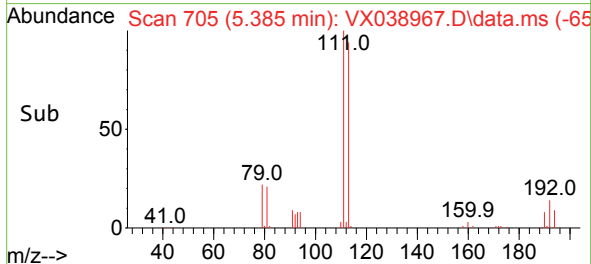
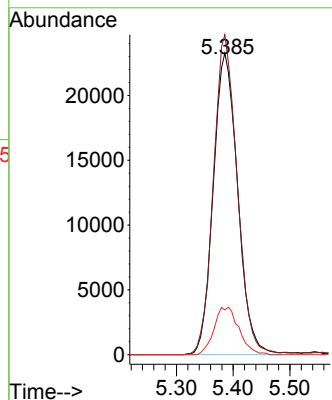
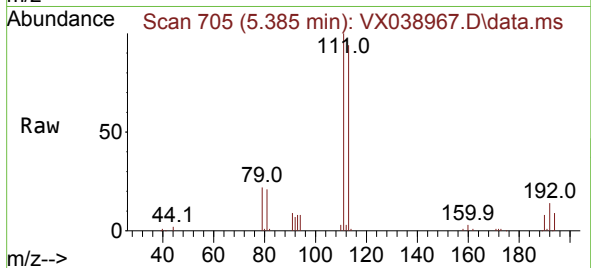




#35
Dibromofluoromethane
Concen: 44.834 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX038967.D
Acq: 20 Nov 2023 18:31

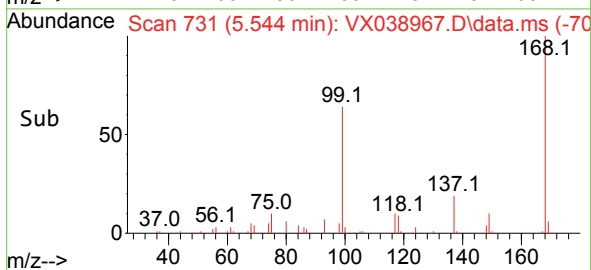
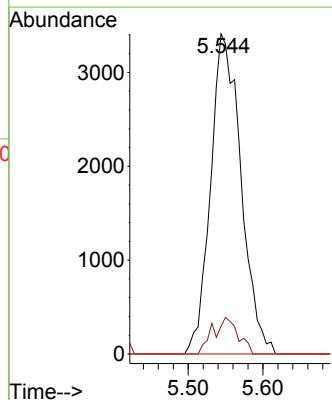
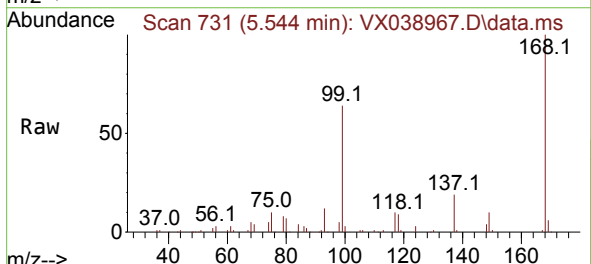
Instrument :
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BRP2-20231113

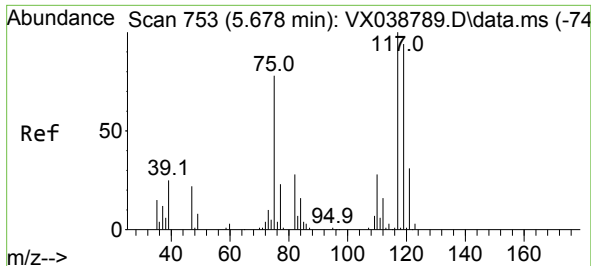
Tgt Ion:113 Resp: 69514
Ion Ratio Lower Upper
113 100
111 103.0 82.9 124.3
192 16.0 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.338 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.146 min
Lab File: VX038967.D
Acq: 20 Nov 2023 18:31

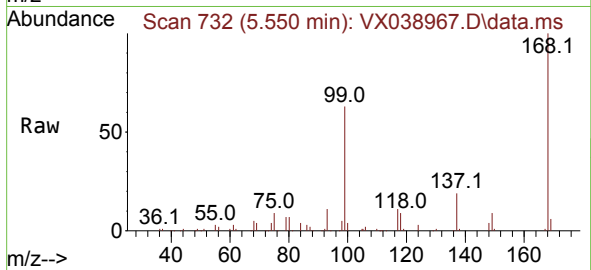
Tgt Ion: 75 Resp: 9640
Ion Ratio Lower Upper
75 100
110 9.5 17.0 50.9#
77 0.0 24.7 37.1#



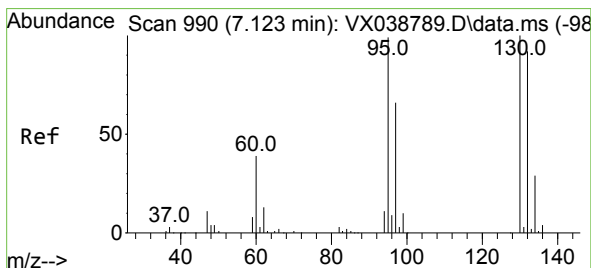
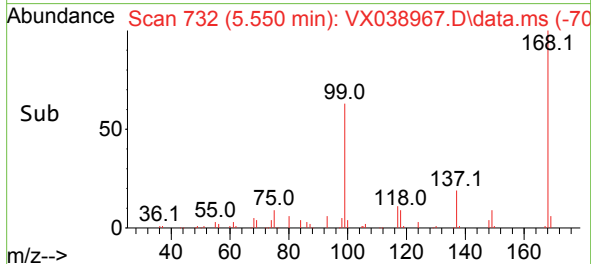
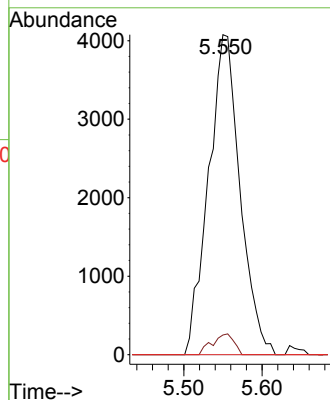


#38
Carbon Tetrachloride
Concen: 5.569 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX038967.D
Acq: 20 Nov 2023 18:31

Instrument :
MSVOA_X
ClientSampleId :
BRP2-20231113

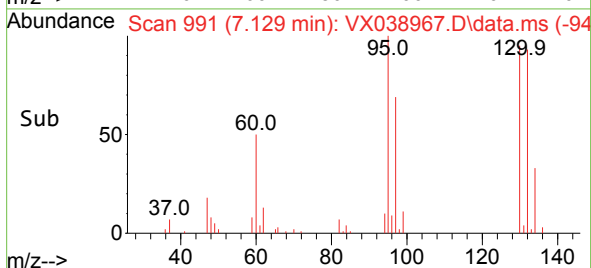
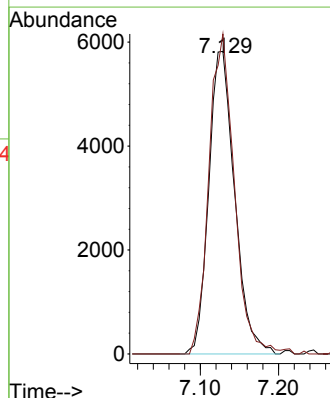
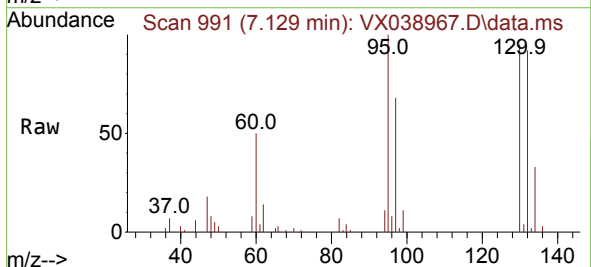


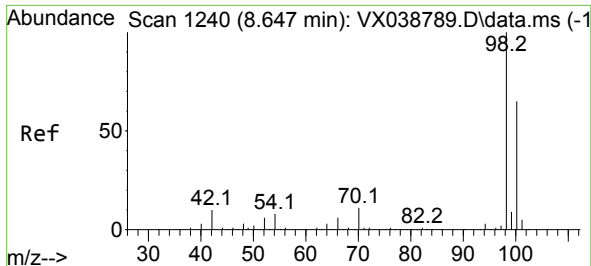
Tgt Ion:117 Resp: 11437
Ion Ratio Lower Upper
117 100
119 6.2 78.2 117.2#
121 0.0 24.4 36.6#



#44
Trichloroethene
Concen: 8.373 ug/l
RT: 7.129 min Scan# 991
Delta R.T. 0.006 min
Lab File: VX038967.D
Acq: 20 Nov 2023 18:31

Tgt Ion:130 Resp: 13395
Ion Ratio Lower Upper
130 100
95 105.7 0.0 204.4

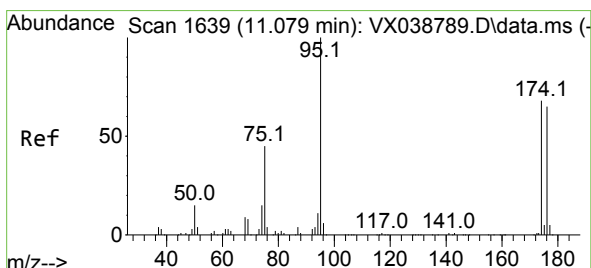
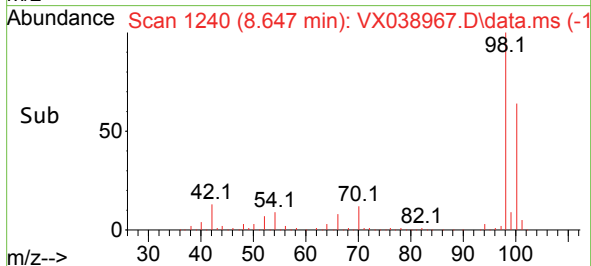
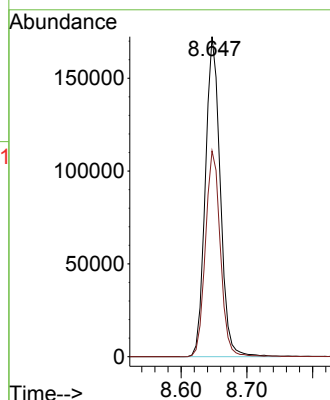
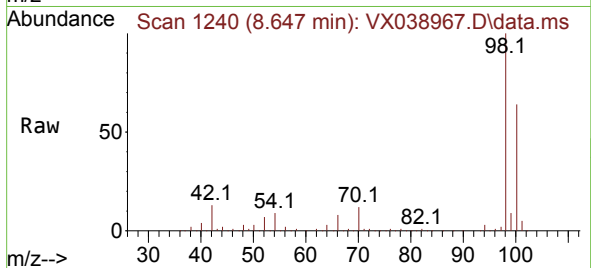




#50
Toluene-d8
Concen: 45.853 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX038967.D
Acq: 20 Nov 2023 18:31

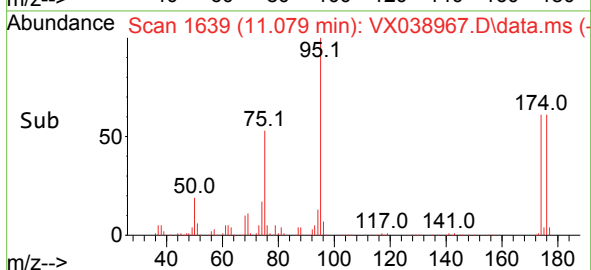
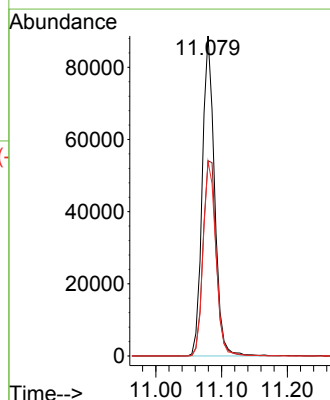
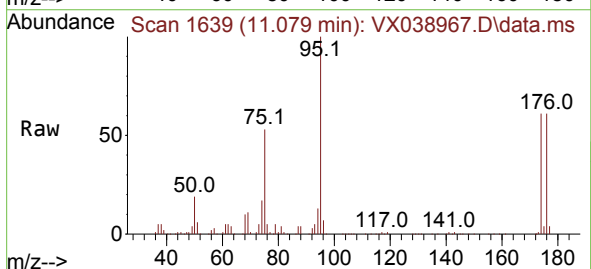
Instrument :
MSVOA_X
ClientSampleId :
BRP2-20231113

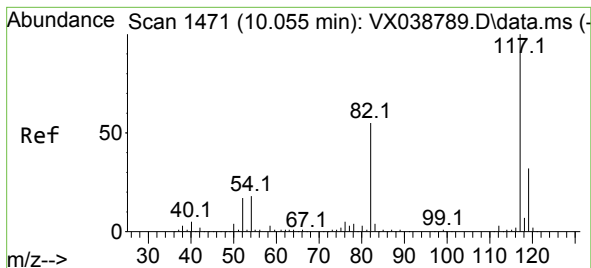
Tgt Ion: 98 Resp: 272013
Ion Ratio Lower Upper
98 100
100 64.4 53.1 79.7



#62
4-Bromofluorobenzene
Concen: 48.426 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX038967.D
Acq: 20 Nov 2023 18:31

Tgt Ion: 95 Resp: 114997
Ion Ratio Lower Upper
95 100
174 65.5 0.0 135.6
176 63.2 0.0 131.0

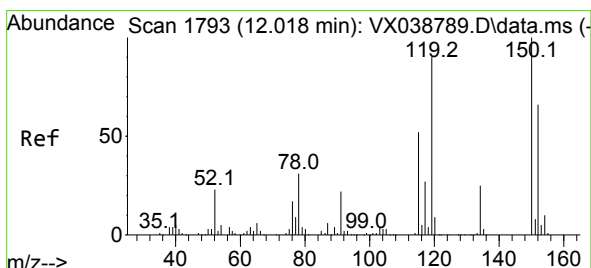
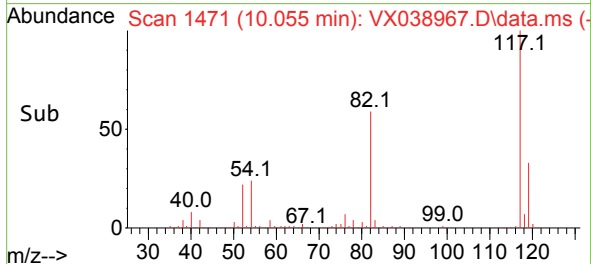
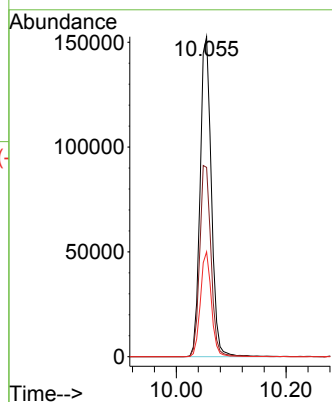
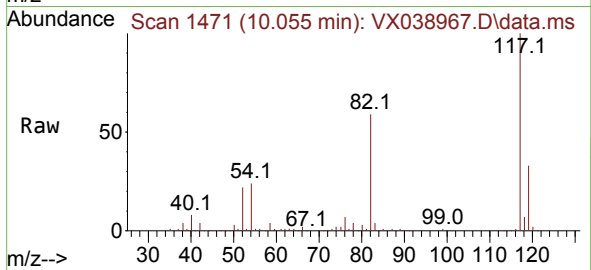




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX038967.D
Acq: 20 Nov 2023 18:31

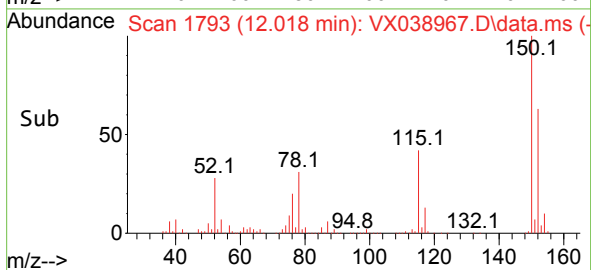
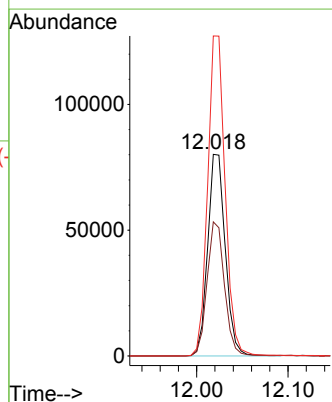
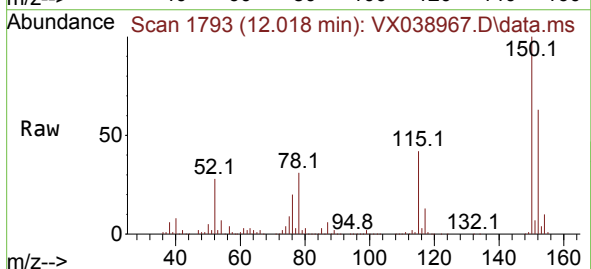
Instrument :
MSVOA_X
ClientSampleId :
BRP2-20231113

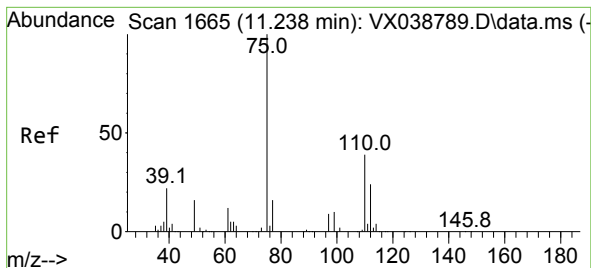
Tgt Ion:117 Resp: 217305
Ion Ratio Lower Upper
117 100
82 59.1 46.2 69.4
119 32.7 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX038967.D
Acq: 20 Nov 2023 18:31

Tgt Ion:152 Resp: 107101
Ion Ratio Lower Upper
152 100
115 65.5 43.3 129.9
150 157.8 0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 22.682 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX038967.D

Acq: 20 Nov 2023 18:31

Instrument :

MSVOA_X

ClientSampleId :

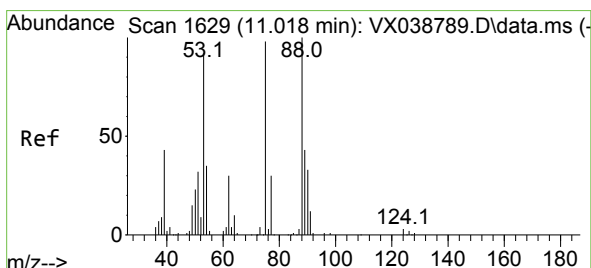
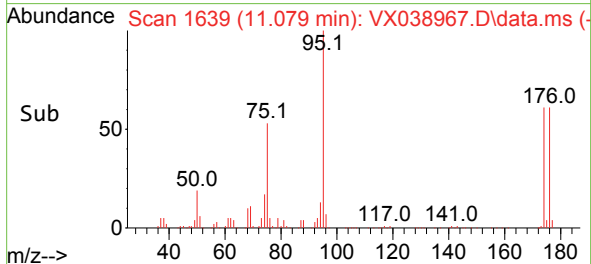
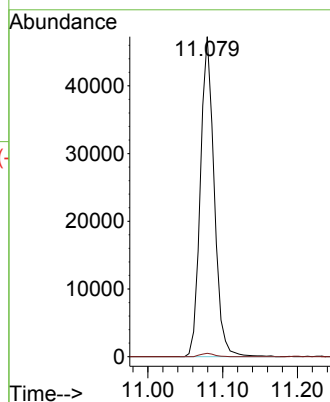
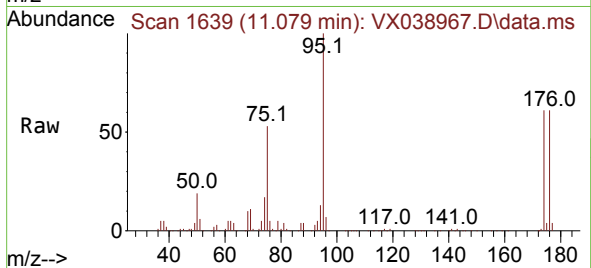
BRP2-20231113

Tgt Ion: 75 Resp: 60609

Ion Ratio Lower Upper

75 100

77 1.1 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 50.310 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX038967.D

Acq: 20 Nov 2023 18:31

Tgt Ion: 75 Resp: 60609

Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#

