

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112023\
 Data File : VX038965.D
 Acq On : 20 Nov 2023 17:45
 Operator : JC/MD
 Sample : 05431-09 100X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 29BR-20231113

Quant Time: Nov 21 00:24:03 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)

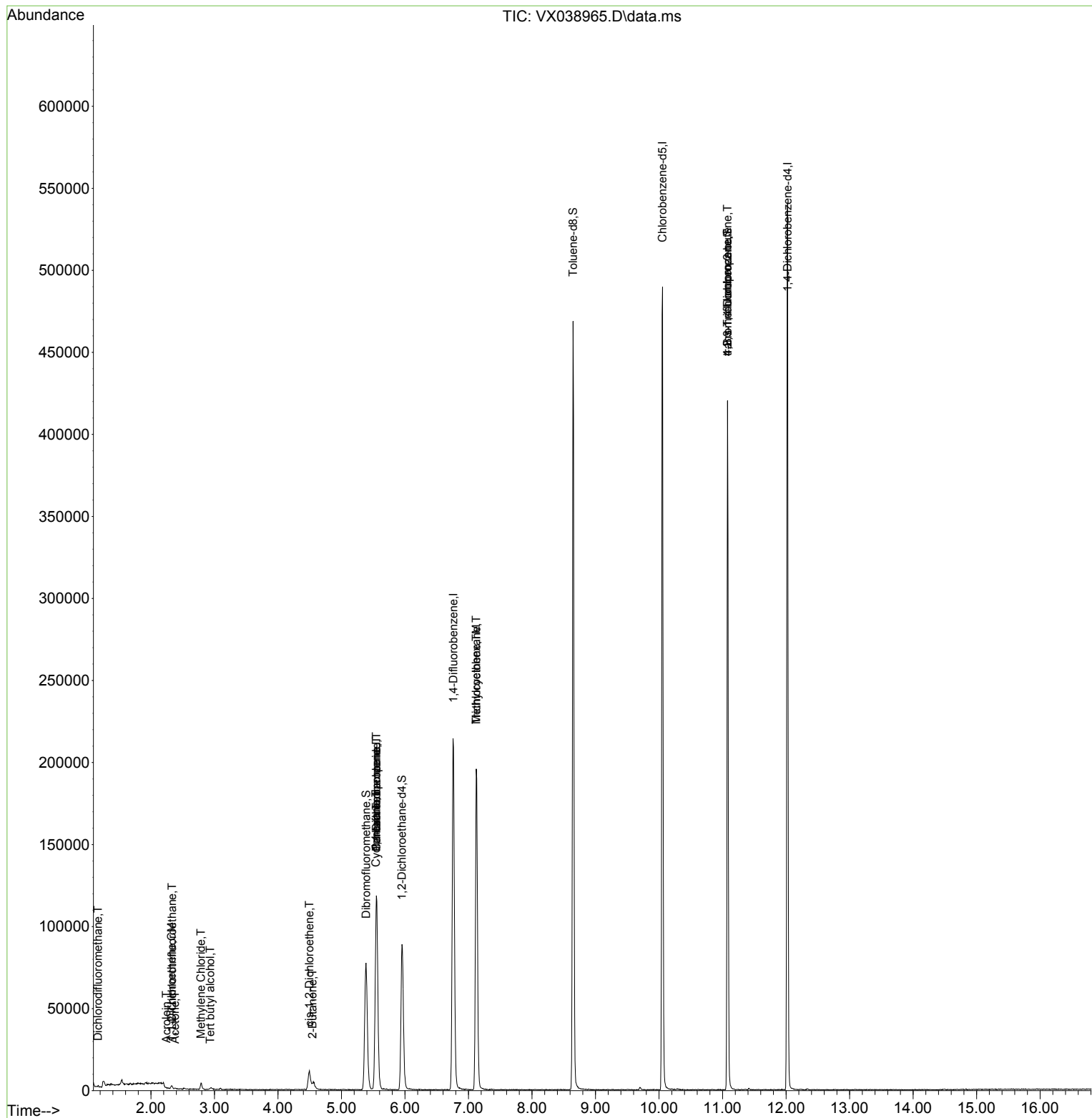
Internal Standards						
1) Pentafluorobenzene	5.550	168	104666	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	214561	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	218374	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	108642	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	85976	50.978	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	101.960%
35) Dibromofluoromethane	5.385	113	69310	44.727	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	89.460%
50) Toluene-d8	8.647	98	270918	45.695	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	91.380%#
62) 4-Bromofluorobenzene	11.079	95	117104	49.341	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	98.680%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	538	0.441	ug/l	75
9) 1,1,2-Trichlorotrifluo...	2.331	101	466	0.361	ug/l #	87
11) Tert butyl alcohol	2.934	59	846	1.804	ug/l #	92
12) 1,1-Dichloroethene	2.325	96	383	0.294	ug/l #	79
13) Acrolein	2.239	56	113	0.455	ug/l #	69
16) Acetone	2.380	43	472	0.526	ug/l #	47
20) Methylene Chloride	2.788	84	1722	1.064	ug/l	93
25) 2-Butanone	4.544	43	381	0.262	ug/l #	51
27) cis-1,2-Dichloroethene	4.495	96	7201	4.292	ug/l	85
31) Cyclohexane	5.544	56	2844	1.181	ug/l #	13
36) 1,1-Dichloropropene	5.550	75	9628	4.335	ug/l #	50
38) Carbon Tetrachloride	5.550	117	11579	5.641	ug/l #	15
39) Methylcyclohexane	7.123	83	1110	0.383	ug/l #	1
44) Trichloroethene	7.123	130	72624	45.420	ug/l	95
76) 1,2,3-Trichloropropane	11.079	75	61644	22.742	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	61644	50.444	ug/l #	5

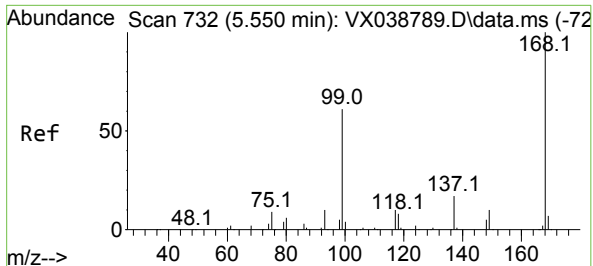
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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29BR-20231113

Quant Time: Nov 21 00:24:03 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

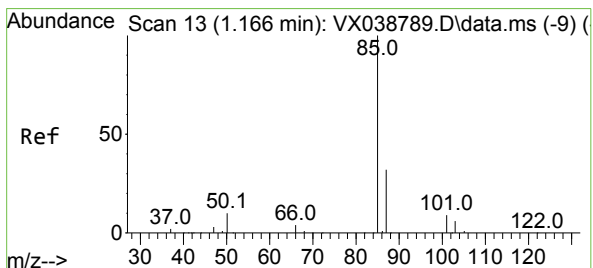
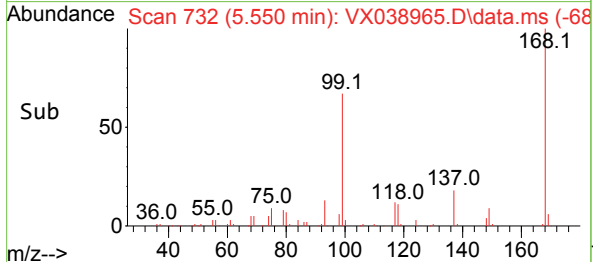
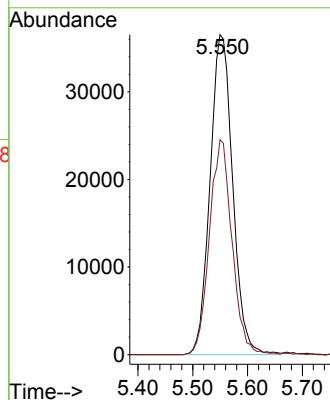
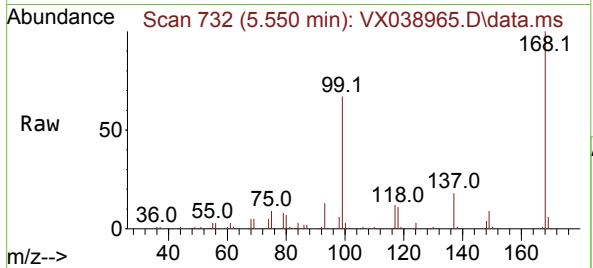




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX038965.D
Acq: 20 Nov 2023 17:45

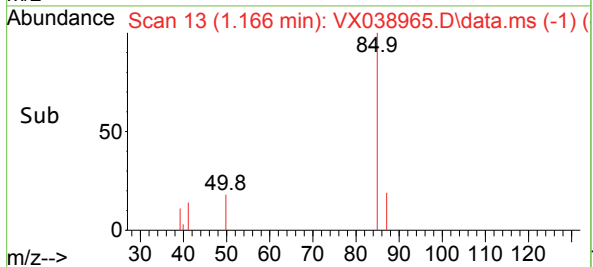
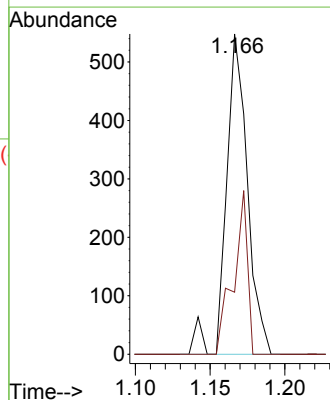
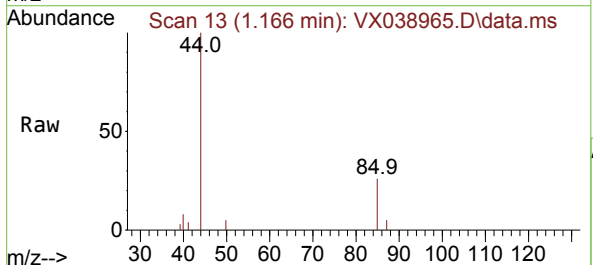
Instrument :
MSVOA_X
ClientSampleId :
29BR-20231113

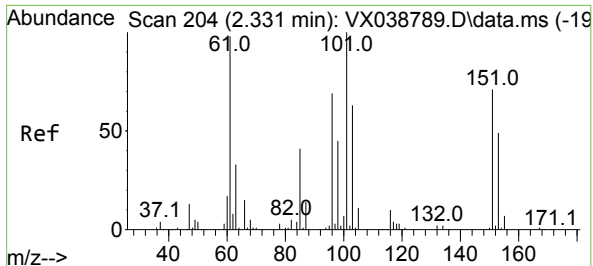
Tgt Ion:168 Resp: 104666
Ion Ratio Lower Upper
168 100
99 67.2 56.6 85.0



#2
Dichlorodifluoromethane
Concen: 0.441 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX038965.D
Acq: 20 Nov 2023 17:45

Tgt Ion: 85 Resp: 538
Ion Ratio Lower Upper
85 100
87 19.3 16.7 50.1

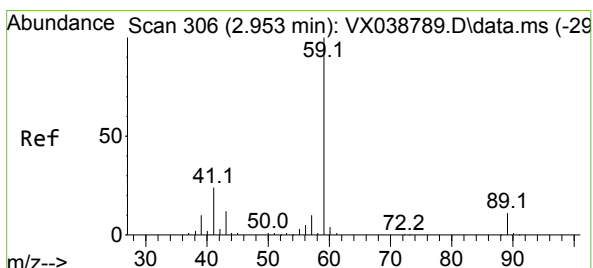
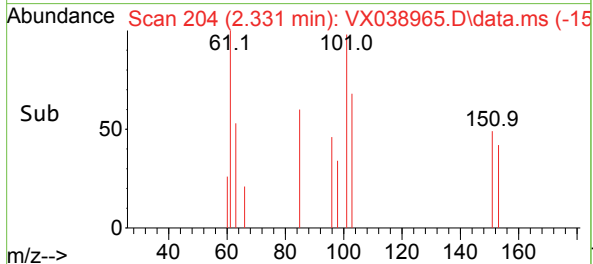
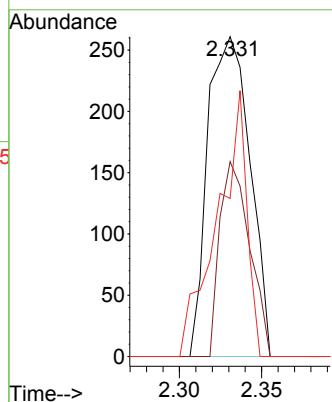
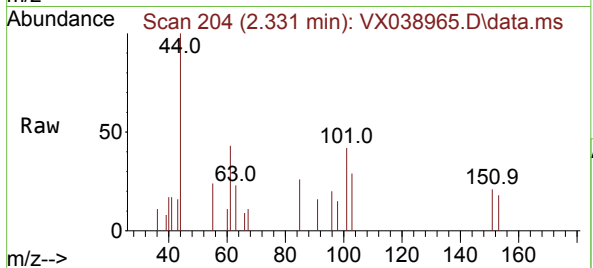




#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.361 ug/l
RT: 2.331 min Scan# 204
Delta R.T. 0.000 min
Lab File: VX038965.D
Acq: 20 Nov 2023 17:45

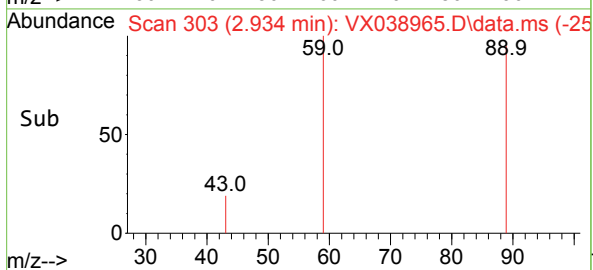
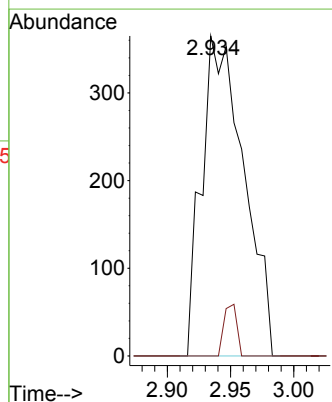
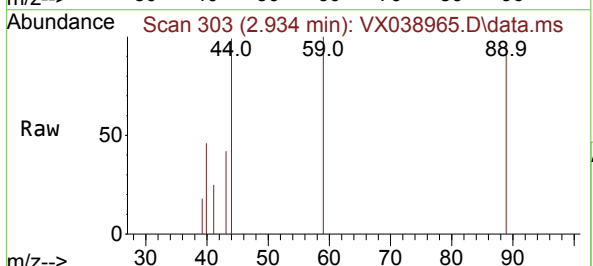
Instrument :
MSVOA_X
ClientSampleId :
29BR-20231113

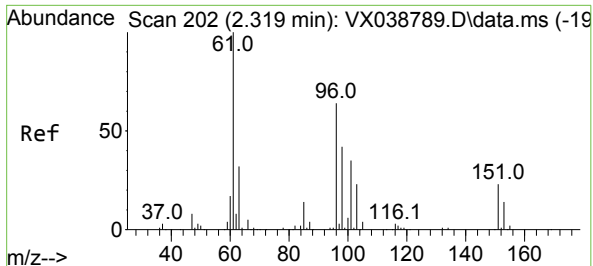
Tgt Ion:101 Resp: 466
Ion Ratio Lower Upper
101 100
85 43.3 37.0 55.6
151 58.2 58.6 87.8#



#11
Tert butyl alcohol
Concen: 1.804 ug/l
RT: 2.934 min Scan# 303
Delta R.T. -0.018 min
Lab File: VX038965.D
Acq: 20 Nov 2023 17:45

Tgt Ion: 59 Resp: 846
Ion Ratio Lower Upper
59 100
57 4.8 6.0 9.0#





#12

1,1-Dichloroethene

Concen: 0.294 ug/l

RT: 2.325 min Scan# 20

Delta R.T. 0.006 min

Lab File: VX038965.D

Acq: 20 Nov 2023 17:45

Instrument :

MSVOA_X

ClientSampleId :

29BR-20231113

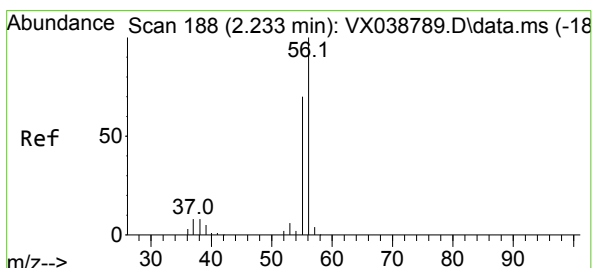
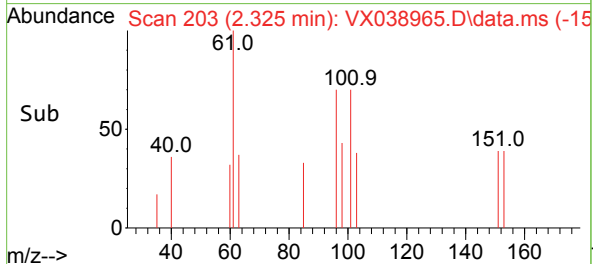
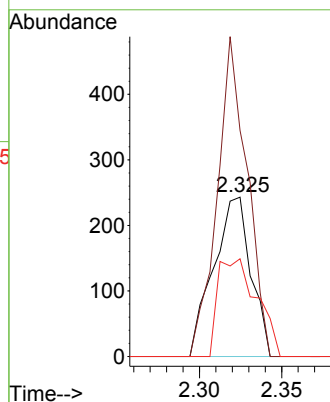
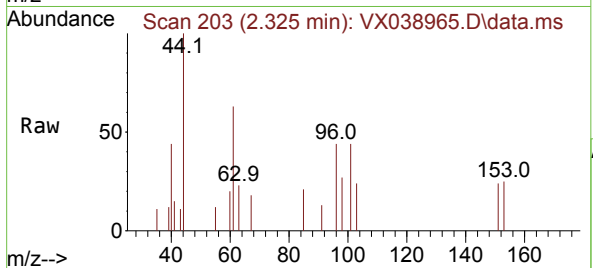
Tgt Ion: 96 Resp: 383

Ion Ratio Lower Upper

96 100

61 142.0 144.6 216.8#

98 61.3 50.4 75.6



#13

Acrolein

Concen: 0.455 ug/l

RT: 2.239 min Scan# 189

Delta R.T. 0.006 min

Lab File: VX038965.D

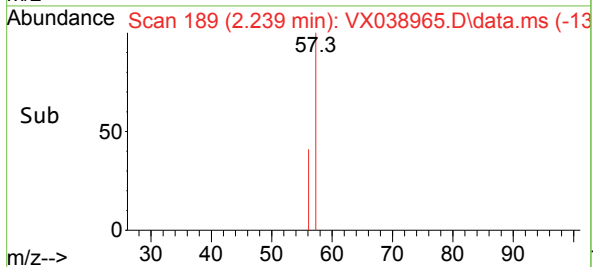
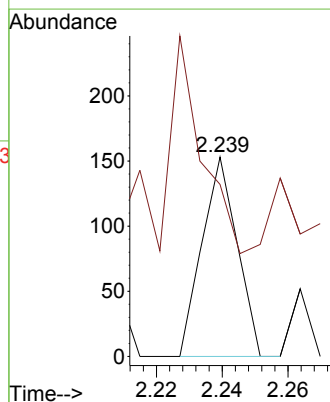
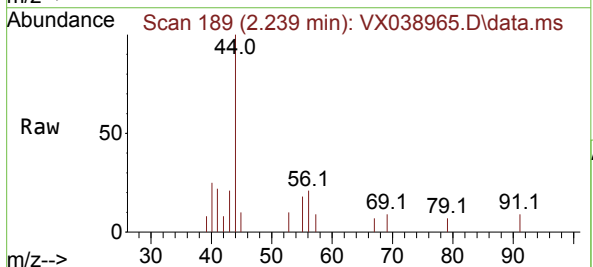
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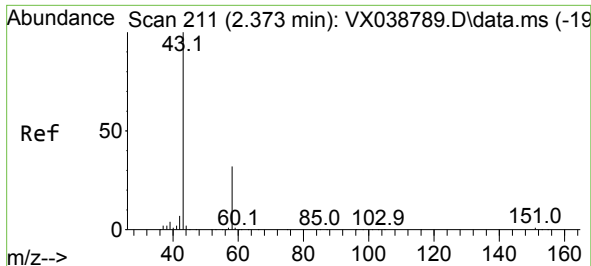
Tgt Ion: 56 Resp: 113

Ion Ratio Lower Upper

56 100

55 97.3 57.1 85.7#

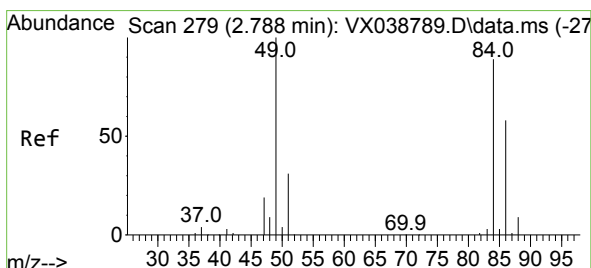
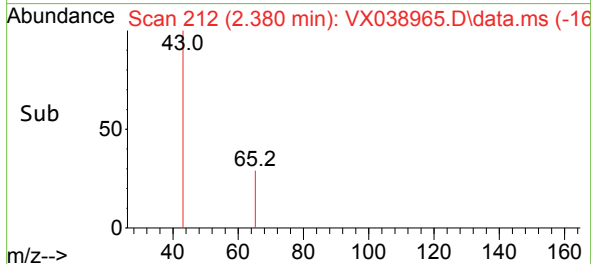
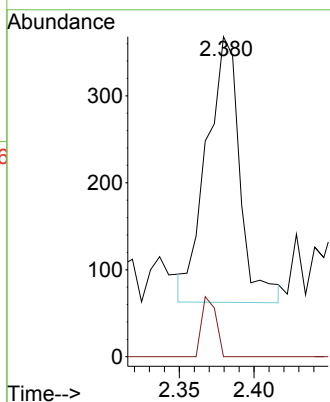
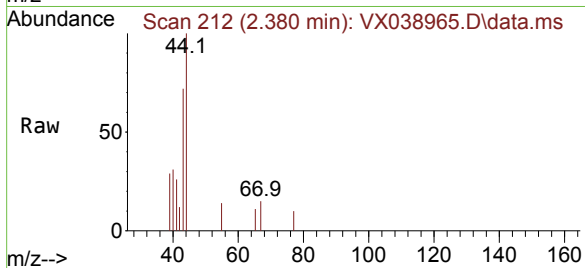




#16
Acetone
Concen: 0.526 ug/l
RT: 2.380 min Scan# 211
Delta R.T. 0.006 min
Lab File: VX038965.D
Acq: 20 Nov 2023 17:45

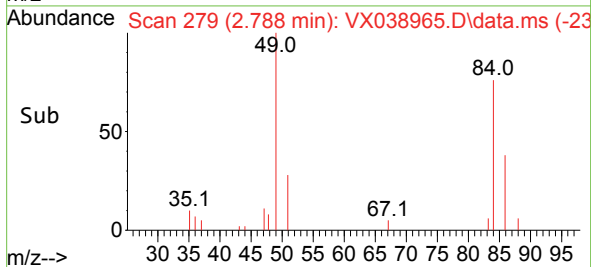
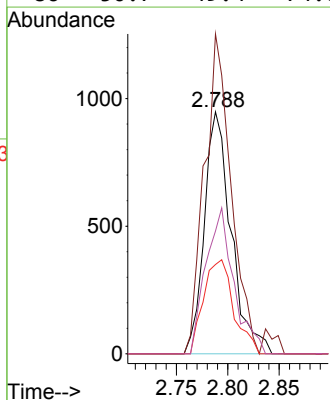
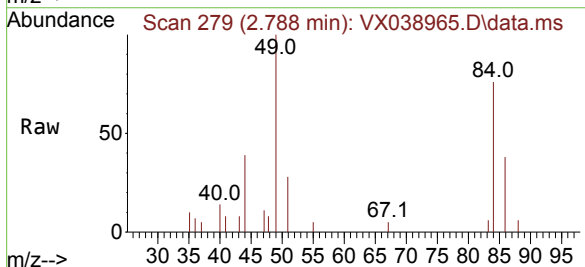
Instrument :
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ClientSampleId :
29BR-20231113

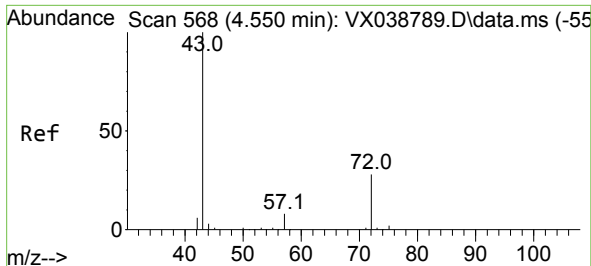
Tgt Ion: 43 Resp: 472
Ion Ratio Lower Upper
43 100
58 0.0 21.9 32.9#



#20
Methylene Chloride
Concen: 1.064 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX038965.D
Acq: 20 Nov 2023 17:45

Tgt Ion: 84 Resp: 1722
Ion Ratio Lower Upper
84 100
49 132.2 103.6 155.4
51 36.9 33.8 50.6
86 50.7 49.4 74.0

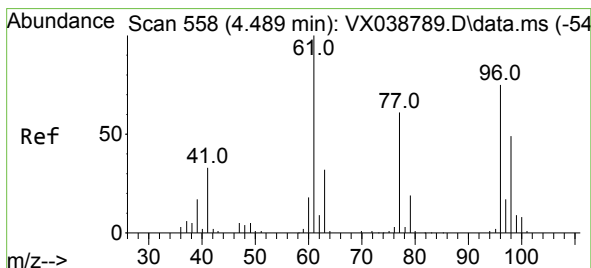
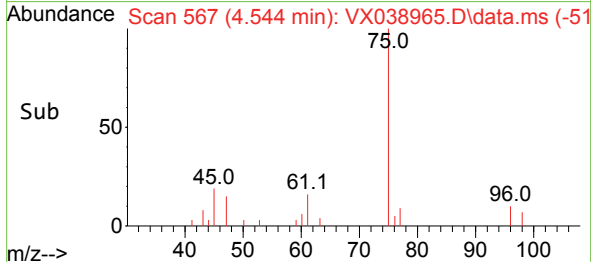
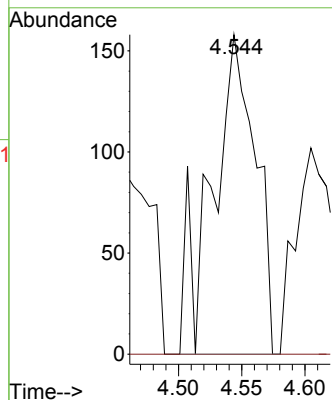
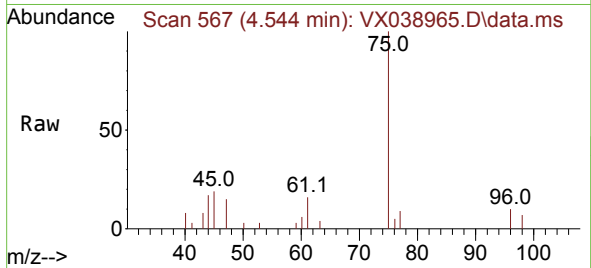




#25
2-Butanone
Concen: 0.262 ug/l
RT: 4.544 min Scan# 50
Delta R.T. -0.006 min
Lab File: VX038965.D
Acq: 20 Nov 2023 17:45

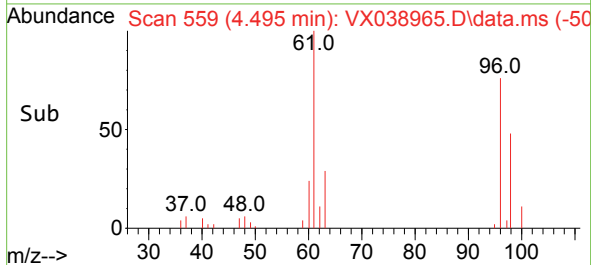
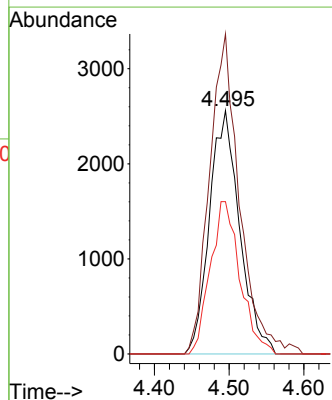
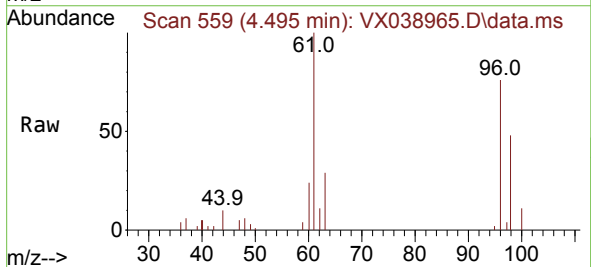
Instrument :
MSVOA_X
ClientSampleId :
29BR-20231113

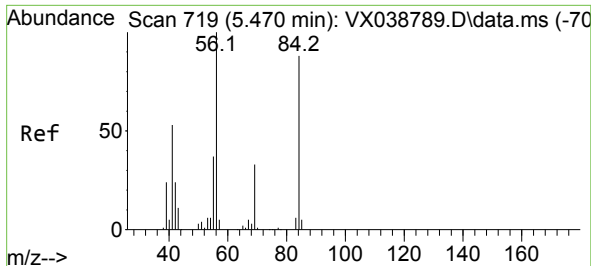
Tgt Ion: 43 Resp: 381
Ion Ratio Lower Upper
43 100
72 0.0 19.4 29.2#



#27
cis-1,2-Dichloroethene
Concen: 4.292 ug/l
RT: 4.495 min Scan# 559
Delta R.T. 0.006 min
Lab File: VX038965.D
Acq: 20 Nov 2023 17:45

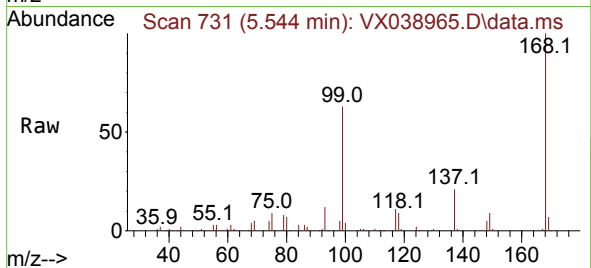
Tgt Ion: 96 Resp: 7201
Ion Ratio Lower Upper
96 100
61 131.0 0.0 312.2
98 61.6 0.0 129.0



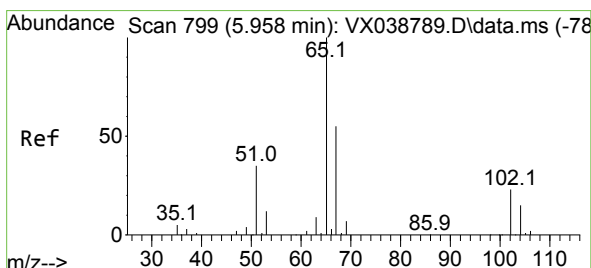
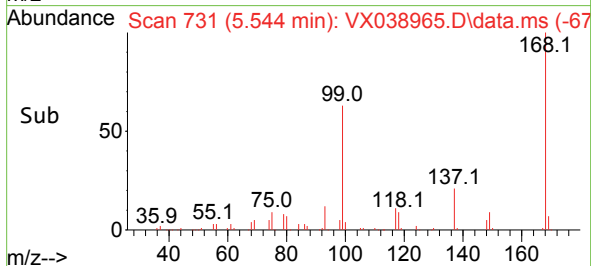
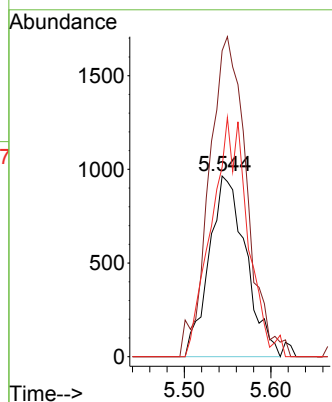


#31
Cyclohexane
Concen: 1.181 ug/l
RT: 5.544 min Scan# 719
Delta R.T. 0.073 min
Lab File: VX038965.D
Acq: 20 Nov 2023 17:45

Instrument :
MSVOA_X
ClientSampleId :
29BR-20231113

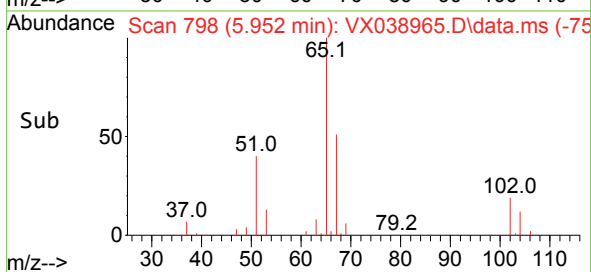
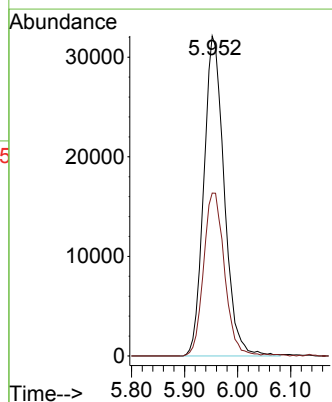
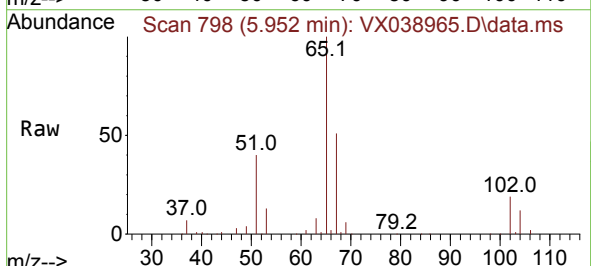


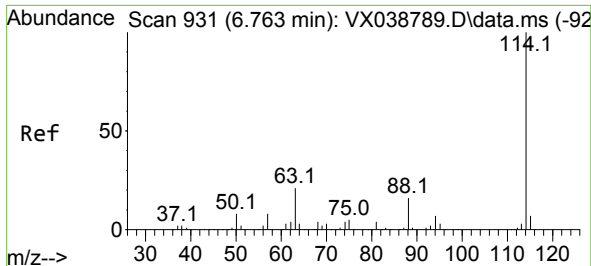
Tgt Ion: 56 Resp: 2844
Ion Ratio Lower Upper
56 100
69 169.4 23.4 35.2#
84 104.9 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 50.978 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.006 min
Lab File: VX038965.D
Acq: 20 Nov 2023 17:45

Tgt Ion: 65 Resp: 85976
Ion Ratio Lower Upper
65 100
67 52.2 0.0 100.2

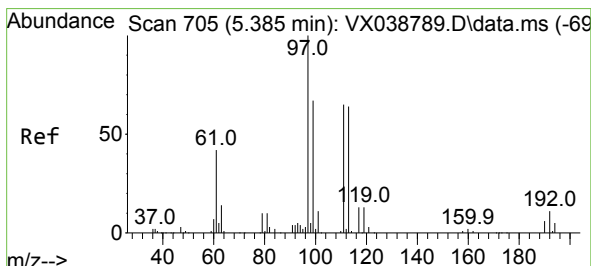
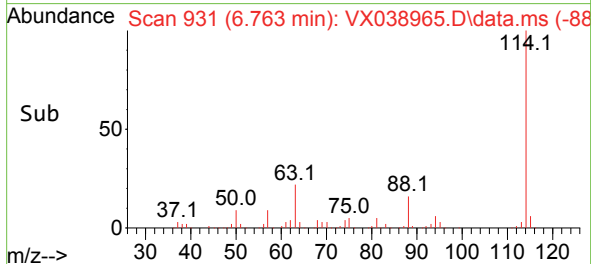
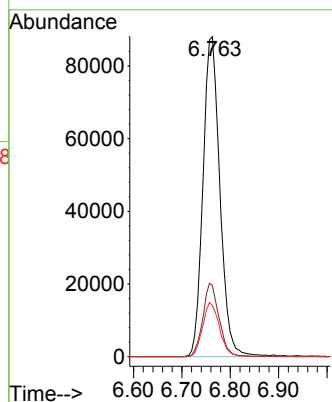
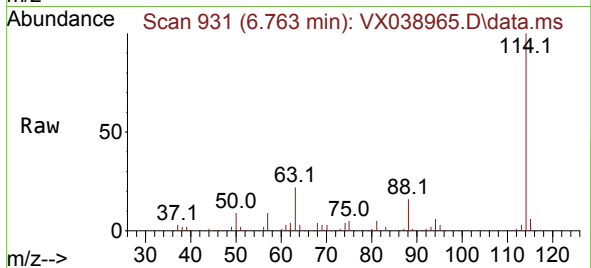




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 911
Delta R.T. 0.000 min
Lab File: VX038965.D
Acq: 20 Nov 2023 17:45

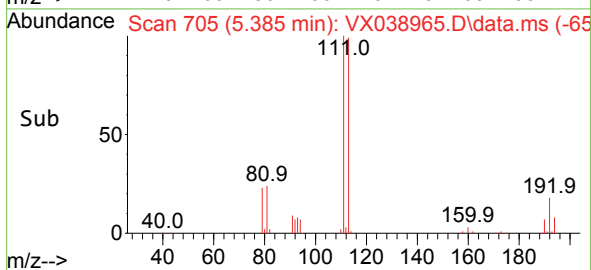
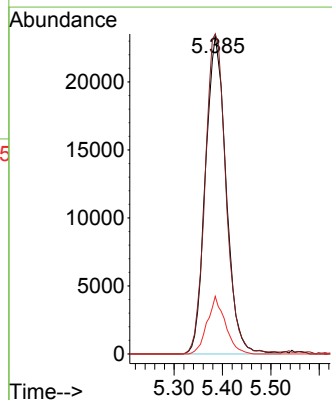
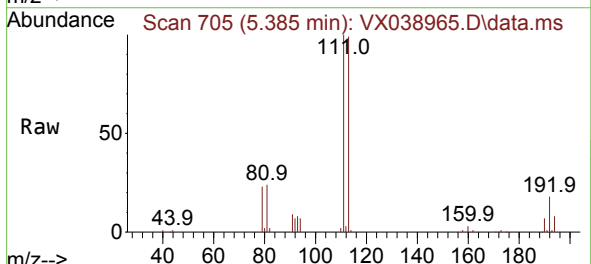
Instrument :
MSVOA_X
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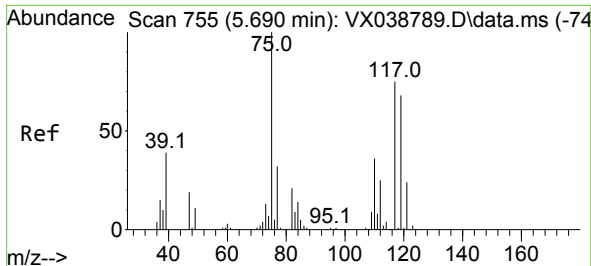
Tgt Ion:114 Resp: 214561
Ion Ratio Lower Upper
114 100
63 22.2 0.0 45.0
88 16.0 0.0 36.6



#35
Dibromofluoromethane
Concen: 44.727 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX038965.D
Acq: 20 Nov 2023 17:45

Tgt Ion:113 Resp: 69310
Ion Ratio Lower Upper
113 100
111 101.5 82.9 124.3
192 15.9 13.3 19.9

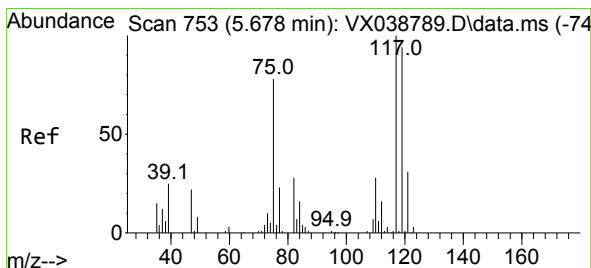
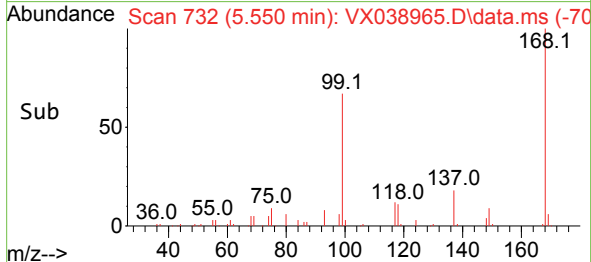
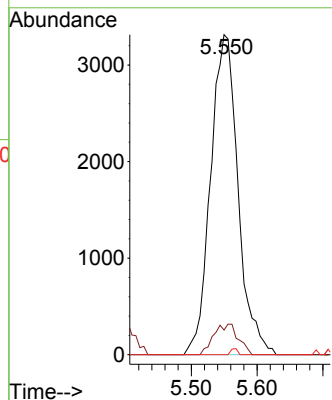
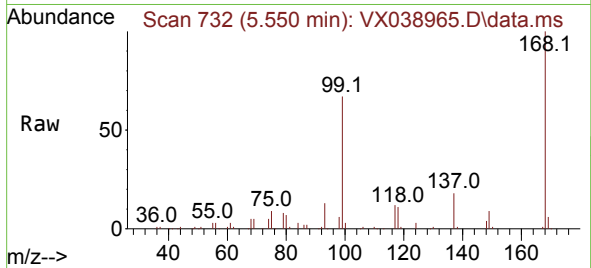




#36
1,1-Dichloropropene
Concen: 4.335 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX038965.D
Acq: 20 Nov 2023 17:45

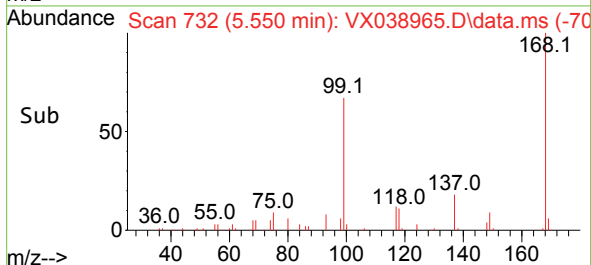
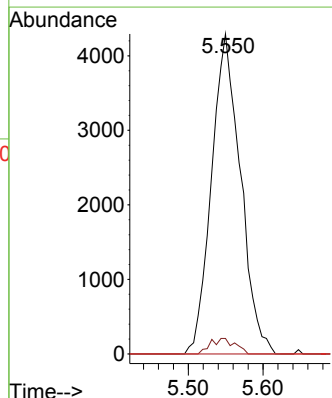
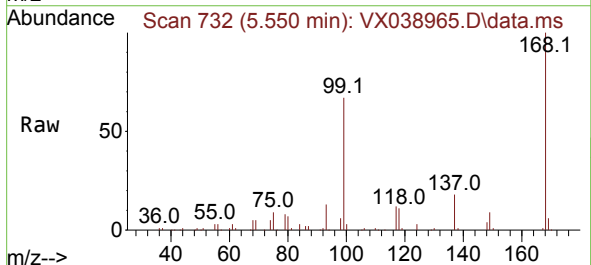
Instrument :
MSVOA_X
ClientSampleId :
29BR-20231113

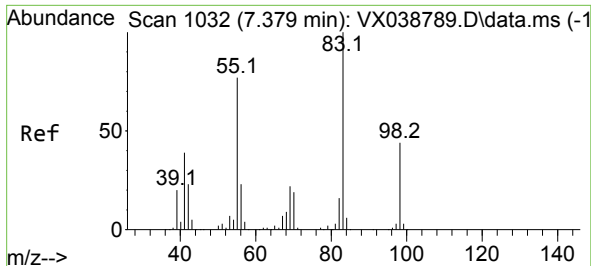
Tgt Ion: 75 Resp: 9628
Ion Ratio Lower Upper
75 100
110 8.6 17.0 50.9#
77 0.5 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 5.641 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.128 min
Lab File: VX038965.D
Acq: 20 Nov 2023 17:45

Tgt Ion: 117 Resp: 11579
Ion Ratio Lower Upper
117 100
119 4.8 78.2 117.2#
121 0.0 24.4 36.6#





#39

Methylcyclohexane

Concen: 0.383 ug/l

RT: 7.123 min Scan# 990

Delta R.T. -0.256 min

Lab File: VX038965.D

Acq: 20 Nov 2023 17:45

Instrument :

MSVOA_X

ClientSampleId :

29BR-20231113

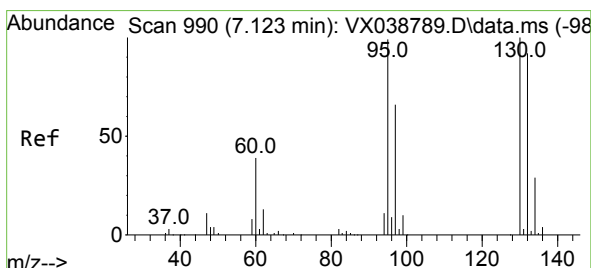
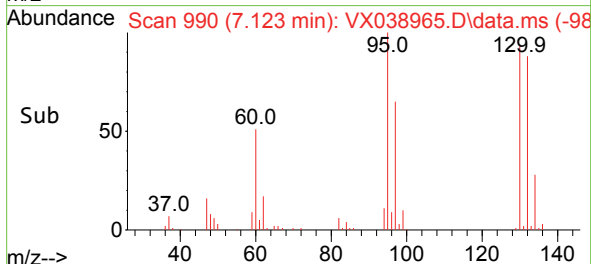
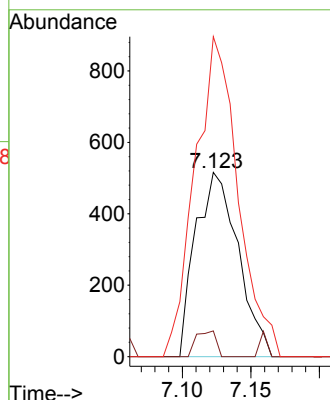
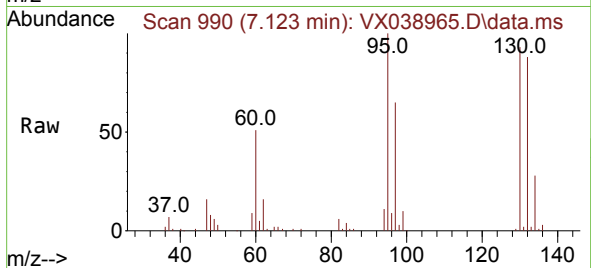
Tgt Ion: 83 Resp: 1110

Ion Ratio Lower Upper

83 100

55 14.0 64.6 97.0#

98 173.6 36.7 55.1#



#44

Trichloroethene

Concen: 45.420 ug/l

RT: 7.123 min Scan# 990

Delta R.T. -0.000 min

Lab File: VX038965.D

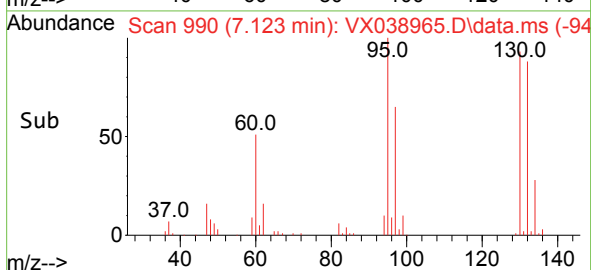
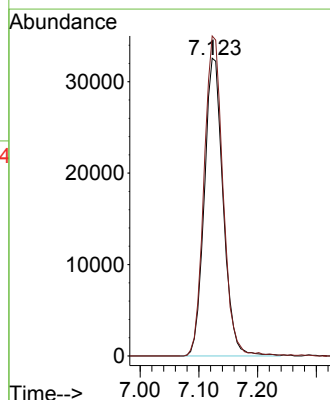
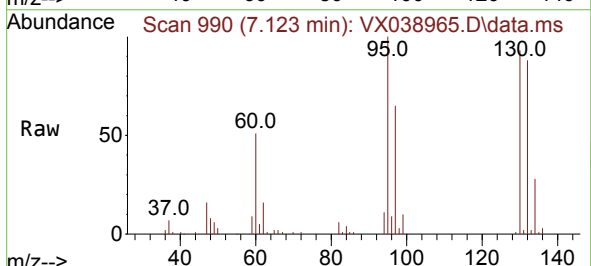
Acq: 20 Nov 2023 17:45

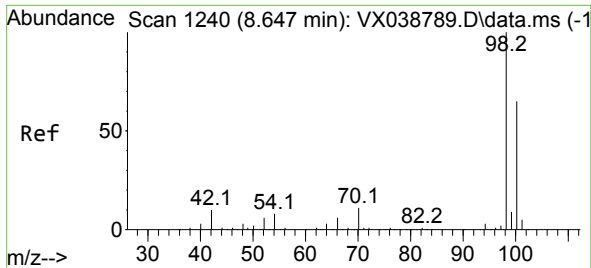
Tgt Ion:130 Resp: 72624

Ion Ratio Lower Upper

130 100

95 107.5 0.0 204.4

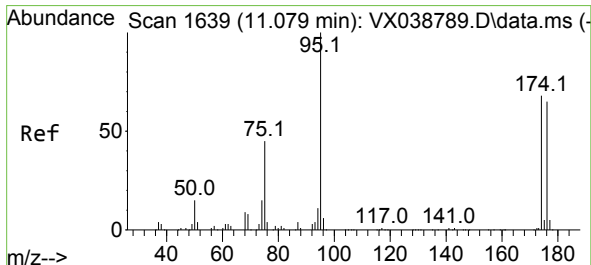
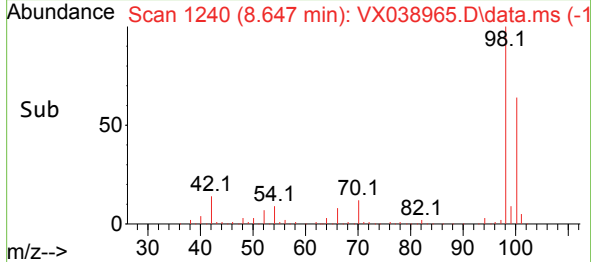
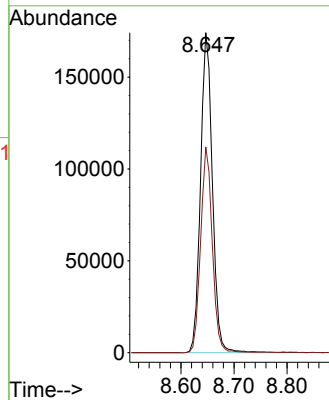
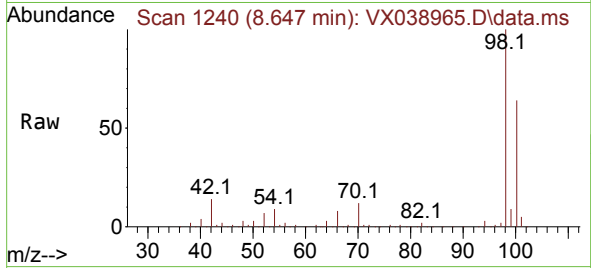




#50
Toluene-d8
Concen: 45.695 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX038965.D
Acq: 20 Nov 2023 17:45

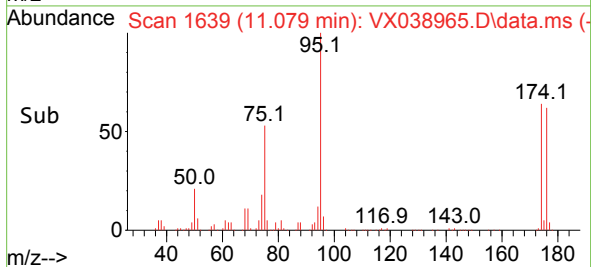
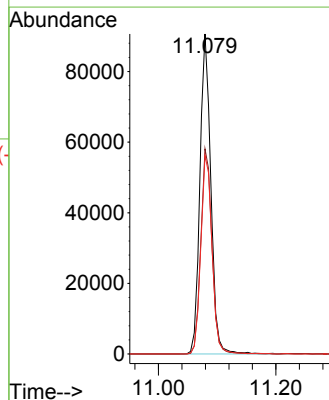
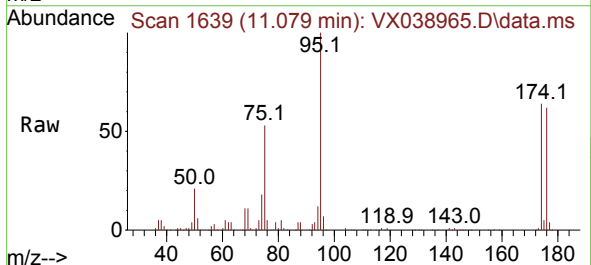
Instrument :
MSVOA_X
ClientSampleId :
29BR-20231113

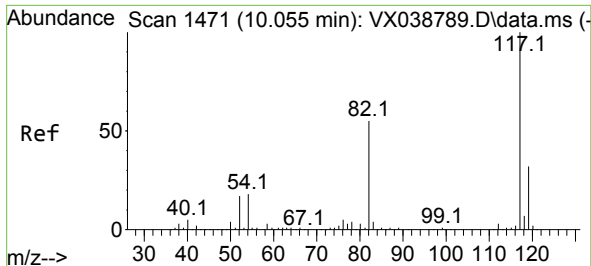
Tgt Ion: 98 Resp: 270918
Ion Ratio Lower Upper
98 100
100 63.5 53.1 79.7



#62
4-Bromofluorobenzene
Concen: 49.341 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX038965.D
Acq: 20 Nov 2023 17:45

Tgt Ion: 95 Resp: 117104
Ion Ratio Lower Upper
95 100
174 65.4 0.0 135.6
176 63.6 0.0 131.0

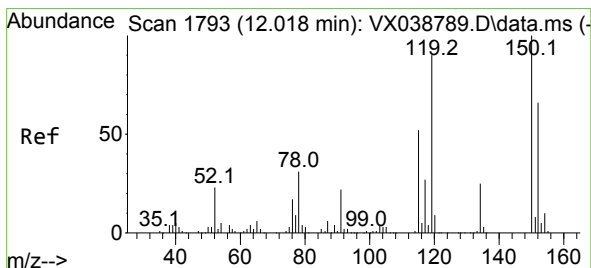
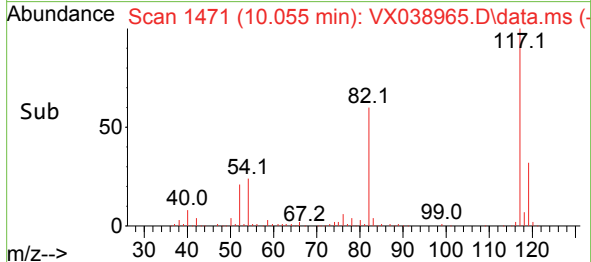
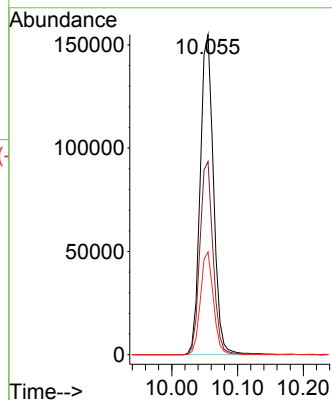
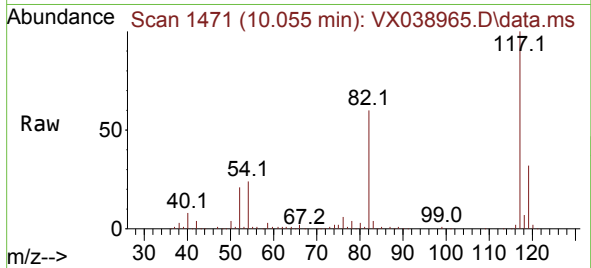




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX038965.D
Acq: 20 Nov 2023 17:45

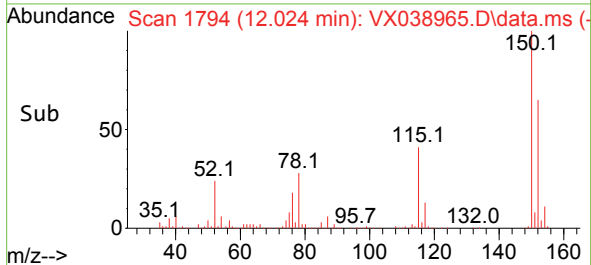
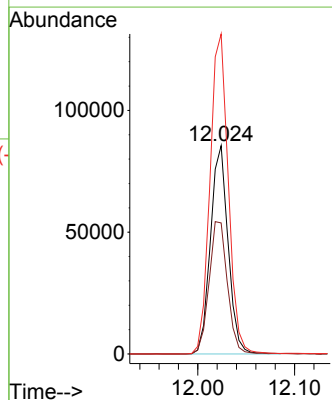
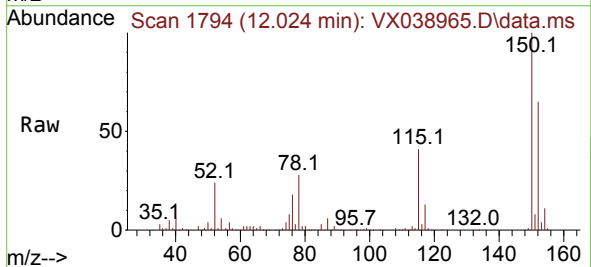
Instrument :
MSVOA_X
ClientSampleId :
29BR-20231113

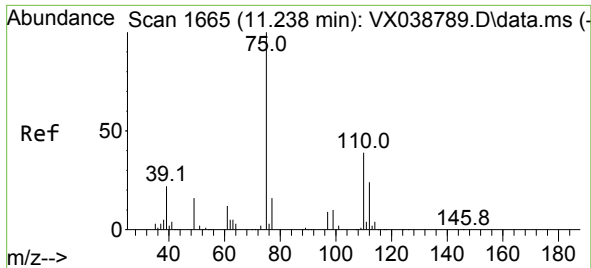
Tgt Ion:117 Resp: 218374
Ion Ratio Lower Upper
117 100
82 60.3 46.2 69.4
119 32.1 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.006 min
Lab File: VX038965.D
Acq: 20 Nov 2023 17:45

Tgt Ion:152 Resp: 108642
Ion Ratio Lower Upper
152 100
115 66.3 43.3 129.9
150 158.8 0.0 345.0

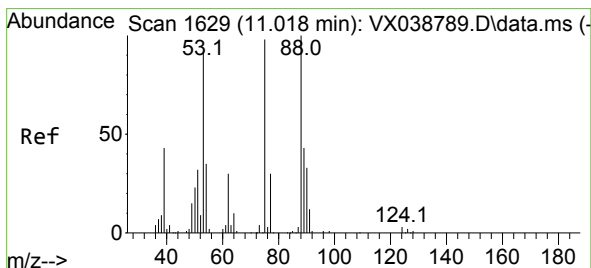
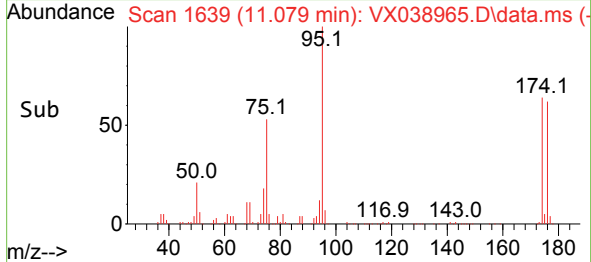
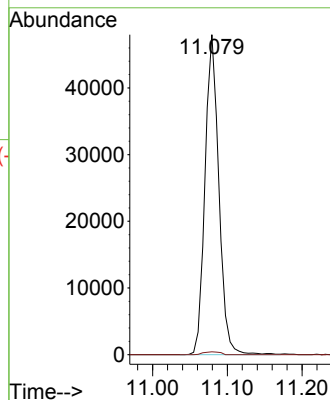
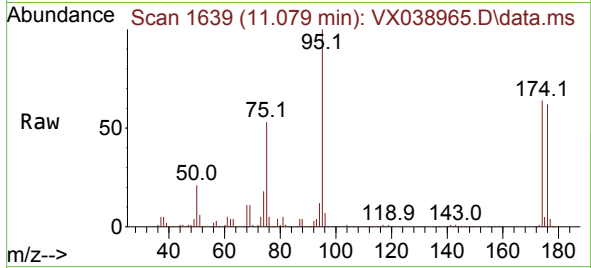




#76
1,2,3-Trichloropropane
Concen: 22.742 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX038965.D
Acq: 20 Nov 2023 17:45

Instrument :
MSVOA_X
ClientSampleId :
29BR-20231113

Tgt Ion: 75 Resp: 61644
Ion Ratio Lower Upper
75 100
77 1.1 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 50.444 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX038965.D
Acq: 20 Nov 2023 17:45

Tgt Ion: 75 Resp: 61644
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#

