

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112023\
 Data File : VX038968.D
 Acq On : 20 Nov 2023 18:54
 Operator : JC/MD
 Sample : 05431-12 100X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 91BR-20231113

Quant Time: Nov 21 00:25:15 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)

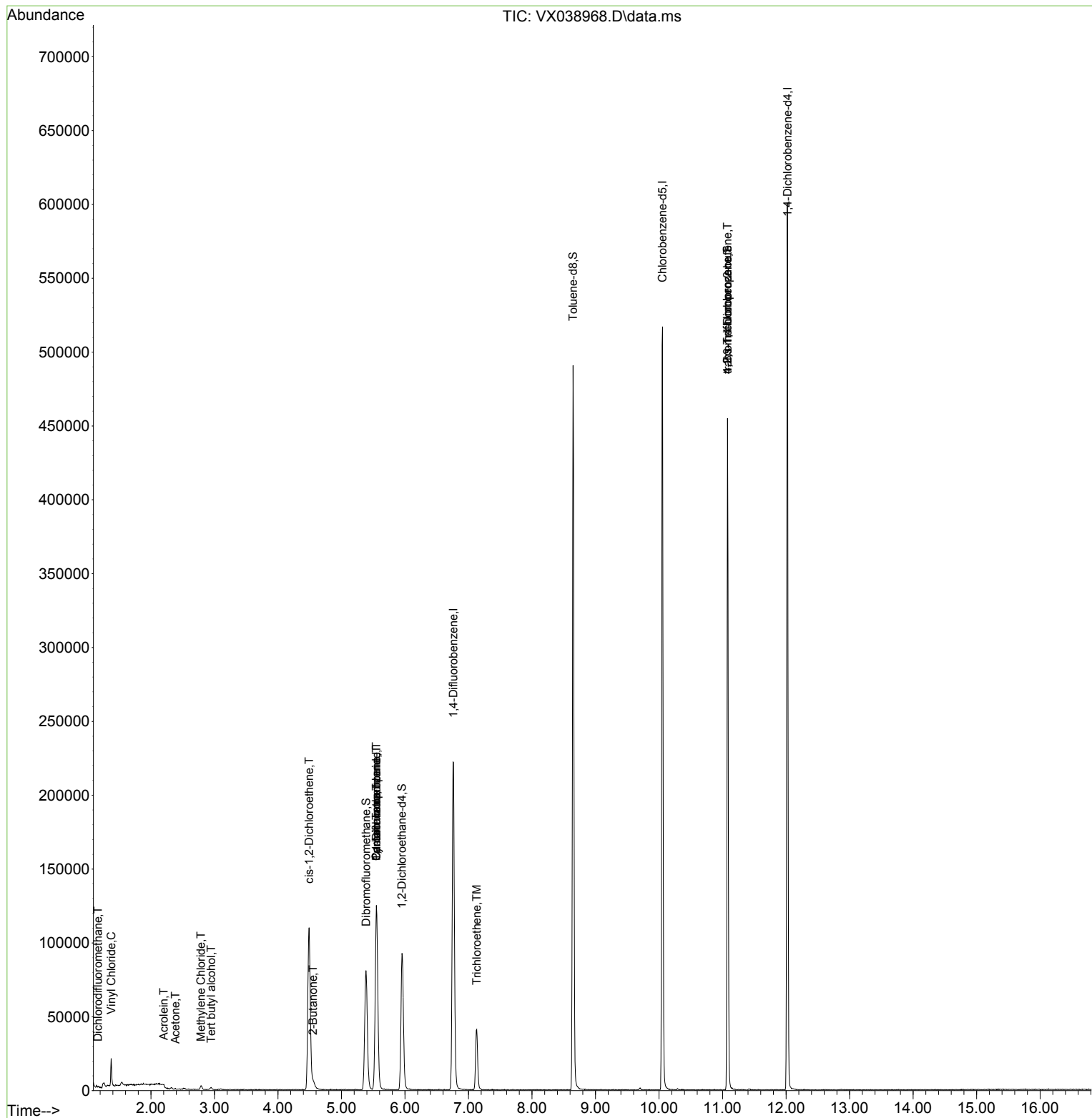
Internal Standards						
1) Pentafluorobenzene	5.550	168	110845	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	225711	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	230511	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	115141	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	88838	49.739	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	99.480%
35) Dibromofluoromethane	5.385	113	72055	44.202	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	88.400%
50) Toluene-d8	8.647	98	287794	46.143	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	92.280%
62) 4-Bromofluorobenzene	11.079	95	122134	48.918	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	97.840%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	406	0.314	ug/l	92
4) Vinyl Chloride	1.374	62	10922	6.717	ug/l	94
11) Tert butyl alcohol	2.946	59	988	1.989	ug/l #	95
13) Acrolein	2.203	56	109	0.415	ug/l #	14
16) Acetone	2.386	43	515	0.542	ug/l #	85
20) Methylene Chloride	2.788	84	1141	0.666	ug/l	91
25) 2-Butanone	4.550	43	463	0.300	ug/l #	51
27) cis-1,2-Dichloroethene	4.489	96	67827	38.172	ug/l	87
31) Cyclohexane	5.550	56	3234	1.268	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	10177	4.356	ug/l #	51
38) Carbon Tetrachloride	5.550	117	12452	5.767	ug/l #	15
44) Trichloroethene	7.129	130	15633	9.294	ug/l	99
76) 1,2,3-Trichloropropane	11.079	75	65834	22.917	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	65834	50.832	ug/l #	5

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

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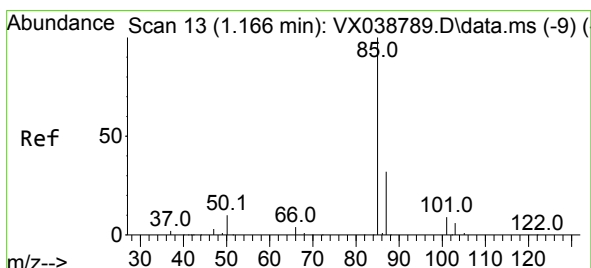
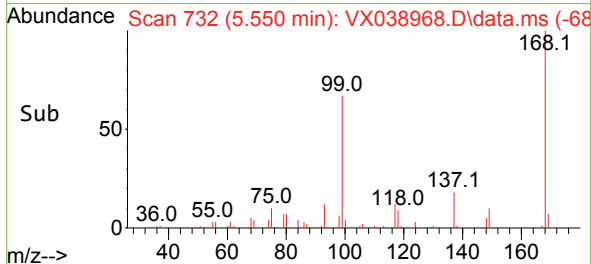
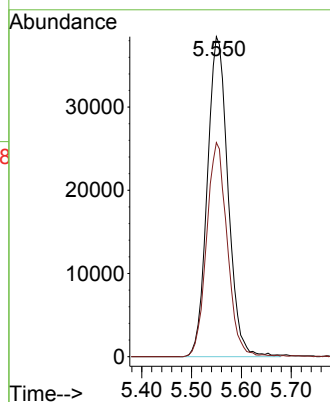
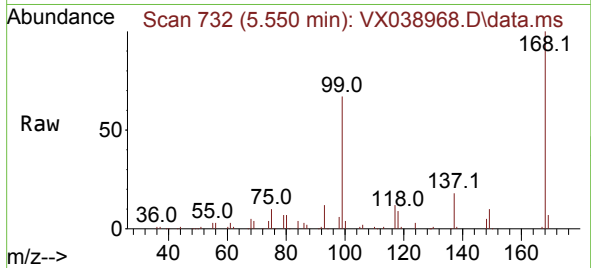




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX038968.D
Acq: 20 Nov 2023 18:54

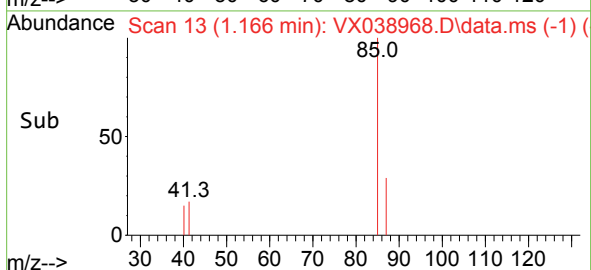
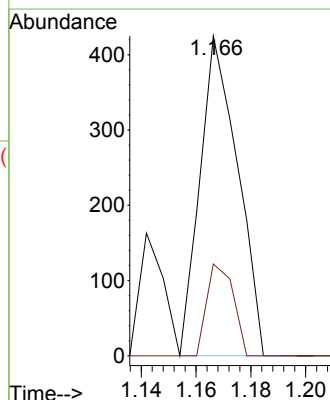
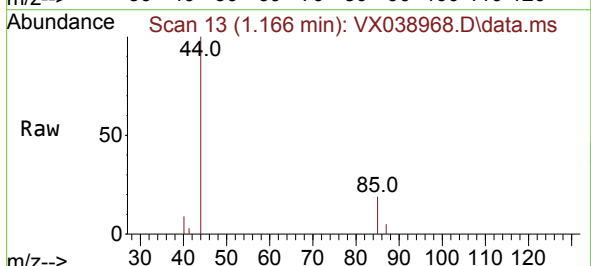
Instrument :
MSVOA_X
ClientSampleId :
91BR-20231113

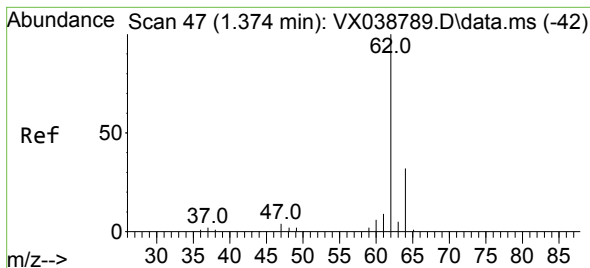
Tgt Ion:168 Resp: 110845
Ion Ratio Lower Upper
168 100
99 66.9 56.6 85.0



#2
Dichlorodifluoromethane
Concen: 0.314 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX038968.D
Acq: 20 Nov 2023 18:54

Tgt Ion: 85 Resp: 406
Ion Ratio Lower Upper
85 100
87 28.7 16.7 50.1





#4

Vinyl Chloride

Concen: 6.717 ug/l

RT: 1.374 min Scan# 41

Delta R.T. -0.000 min

Lab File: VX038968.D

Acq: 20 Nov 2023 18:54

Instrument :

MSVOA_X

ClientSampleId :

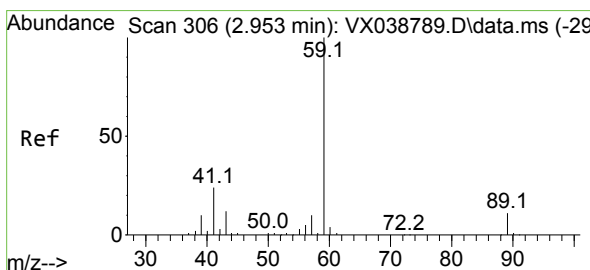
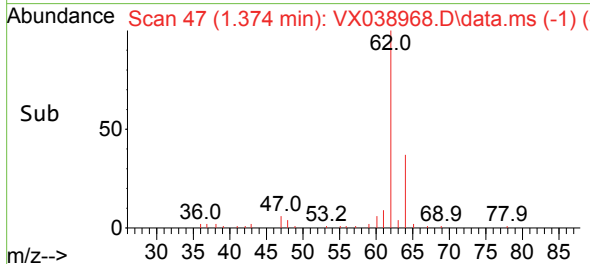
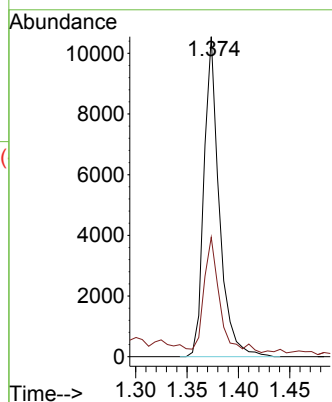
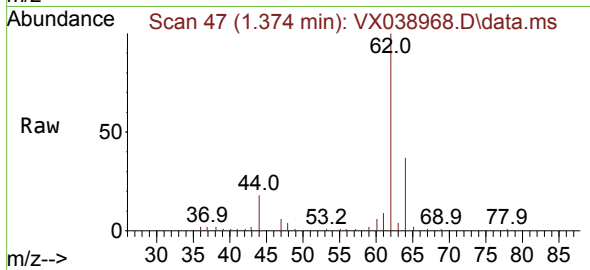
91BR-20231113

Tgt Ion: 62 Resp: 10922

Ion Ratio Lower Upper

62 100

64 35.0 25.4 38.0



#11

Tert butyl alcohol

Concen: 1.989 ug/l

RT: 2.946 min Scan# 305

Delta R.T. -0.006 min

Lab File: VX038968.D

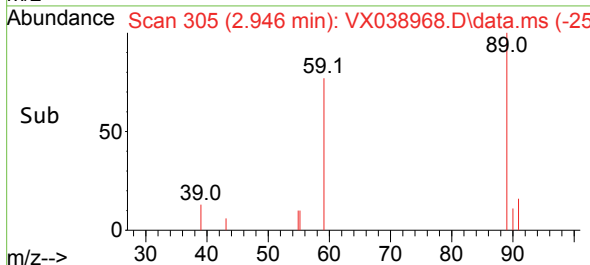
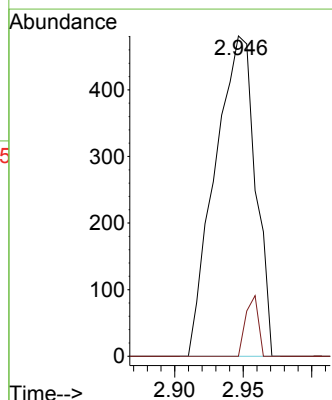
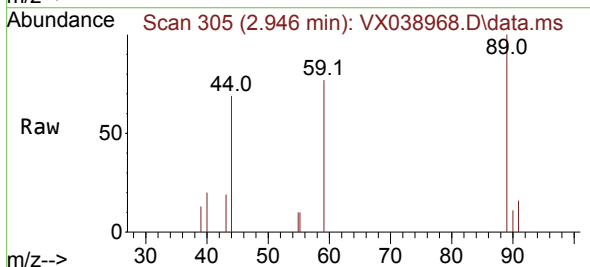
Acq: 20 Nov 2023 18:54

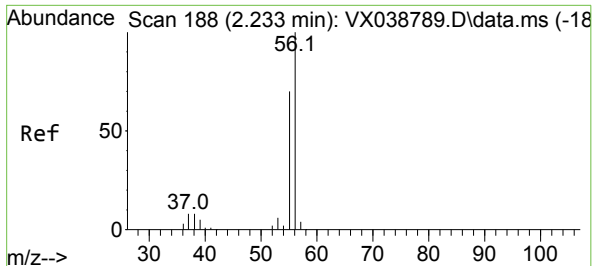
Tgt Ion: 59 Resp: 988

Ion Ratio Lower Upper

59 100

57 5.9 6.0 9.0#

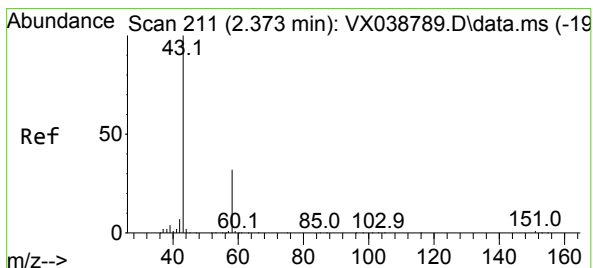
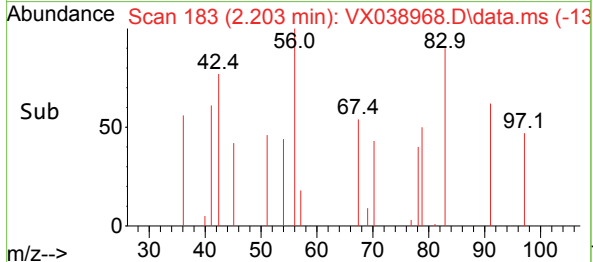
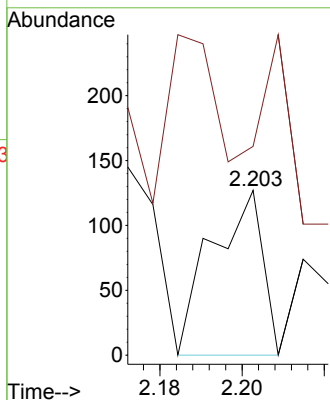
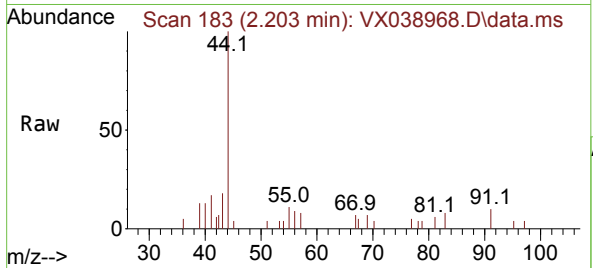




#13
Acrolein
Concen: 0.415 ug/l
RT: 2.203 min Scan# 11
Delta R.T. -0.031 min
Lab File: VX038968.D
Acq: 20 Nov 2023 18:54

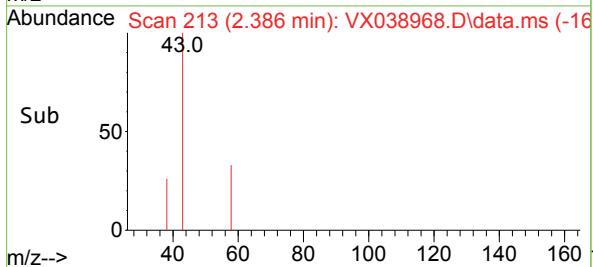
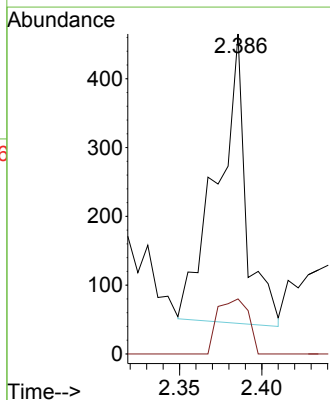
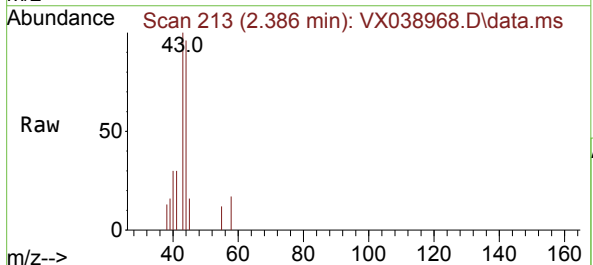
Instrument :
MSVOA_X
ClientSampleId :
91BR-20231113

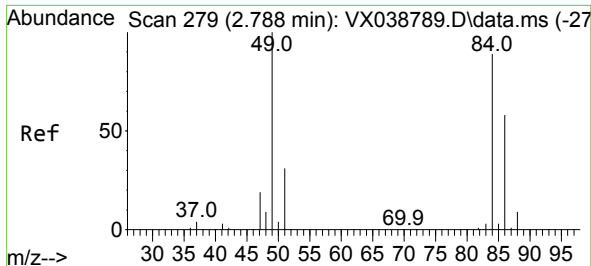
Tgt Ion: 56 Resp: 109
Ion Ratio Lower Upper
56 100
55 0.0 57.1 85.7#



#16
Acetone
Concen: 0.542 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.012 min
Lab File: VX038968.D
Acq: 20 Nov 2023 18:54

Tgt Ion: 43 Resp: 515
Ion Ratio Lower Upper
43 100
58 19.4 21.9 32.9#





#20

Methylene Chloride

Concen: 0.666 ug/l

RT: 2.788 min Scan# 21

Delta R.T. -0.000 min

Lab File: VX038968.D

Acq: 20 Nov 2023 18:54

Instrument :

MSVOA_X

ClientSampleId :

91BR-20231113

Tgt Ion: 84 Resp: 1141

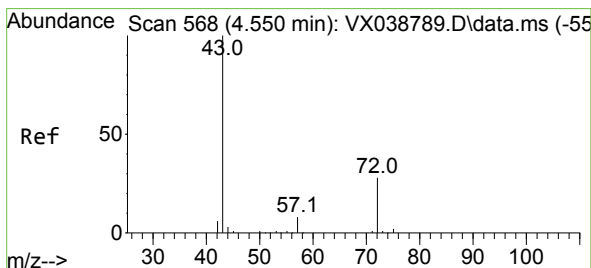
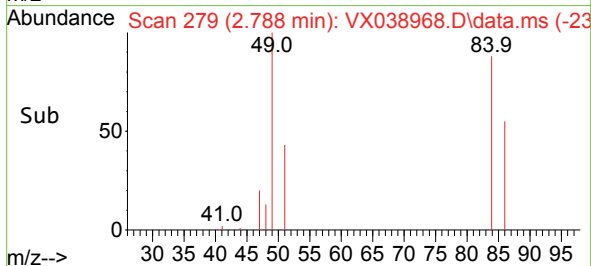
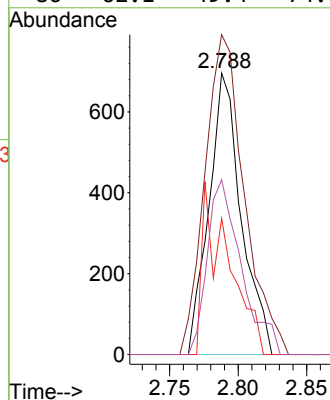
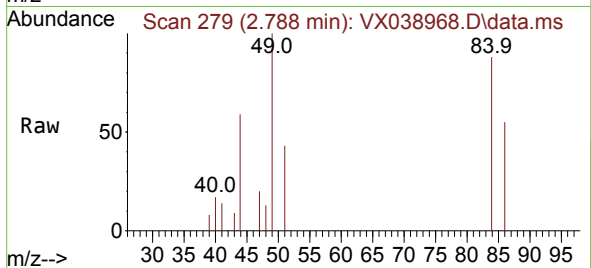
Ion Ratio Lower Upper

84 100

49 113.6 103.6 155.4

51 48.4 33.8 50.6

86 62.1 49.4 74.0



#25

2-Butanone

Concen: 0.300 ug/l

RT: 4.550 min Scan# 568

Delta R.T. -0.000 min

Lab File: VX038968.D

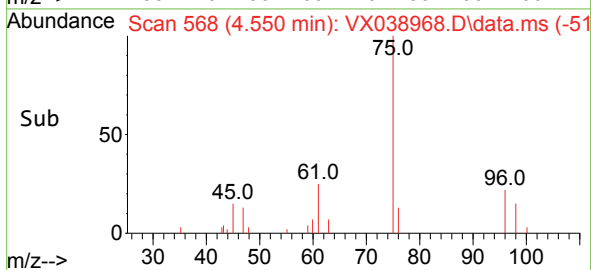
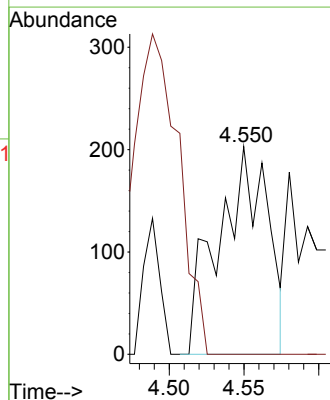
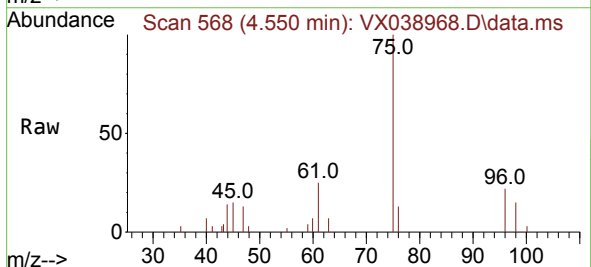
Acq: 20 Nov 2023 18:54

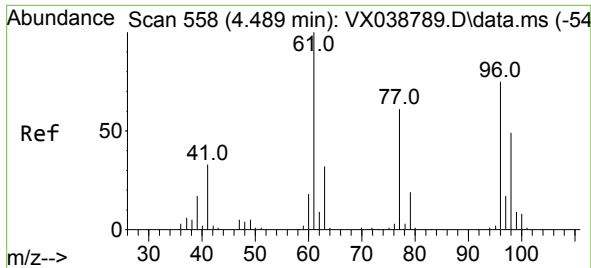
Tgt Ion: 43 Resp: 463

Ion Ratio Lower Upper

43 100

72 0.0 19.4 29.2#

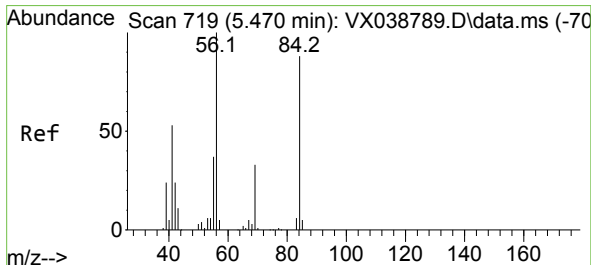
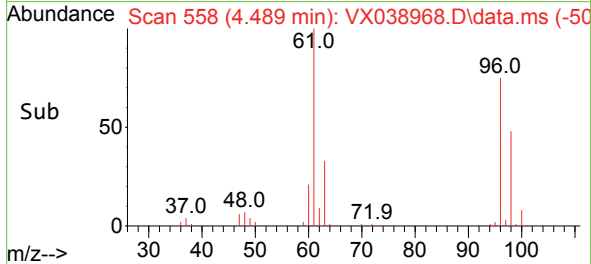
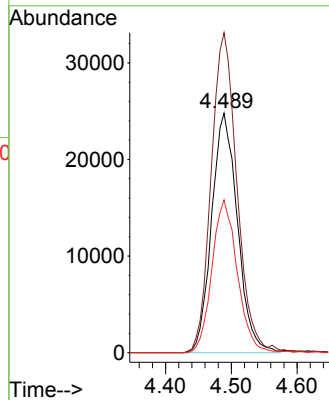
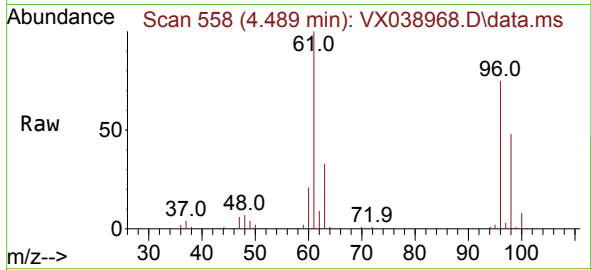




#27
cis-1,2-Dichloroethene
Concen: 38.172 ug/l
RT: 4.489 min Scan# 51
Delta R.T. -0.000 min
Lab File: VX038968.D
Acq: 20 Nov 2023 18:54

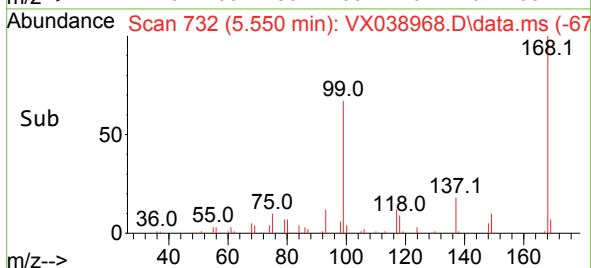
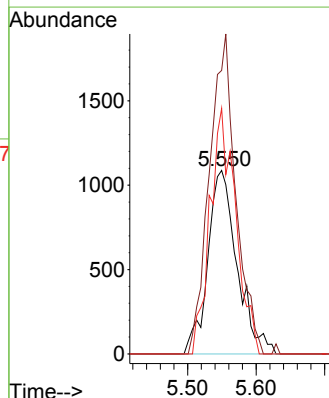
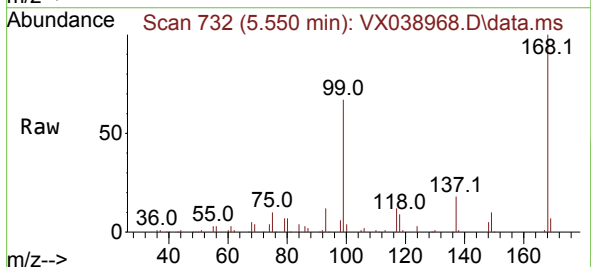
Instrument :
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ClientSampleId :
91BR-20231113

Tgt Ion: 96 Resp: 67827
Ion Ratio Lower Upper
96 100
61 133.7 0.0 312.2
98 62.7 0.0 129.0



#31
Cyclohexane
Concen: 1.268 ug/l
RT: 5.550 min Scan# 732
Delta R.T. 0.079 min
Lab File: VX038968.D
Acq: 20 Nov 2023 18:54

Tgt Ion: 56 Resp: 3234
Ion Ratio Lower Upper
56 100
69 154.6 23.4 35.2#
84 133.9 65.9 98.9#





#33

1,2-Dichloroethane-d4

Concen: 49.739 ug/l

RT: 5.952 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX038968.D

Acq: 20 Nov 2023 18:54

Instrument :

MSVOA_X

ClientSampleId :

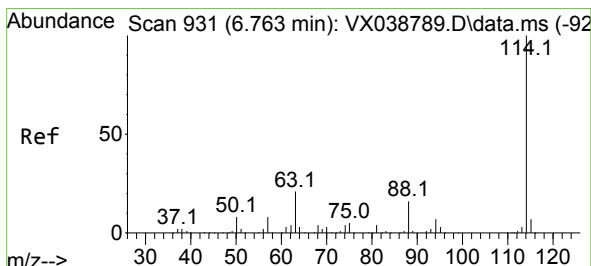
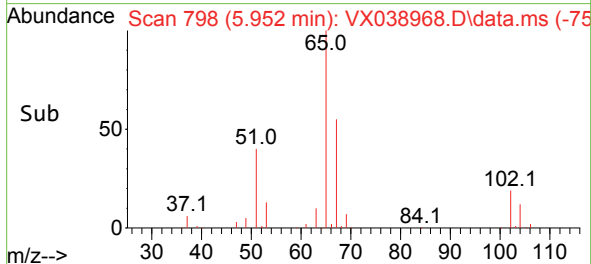
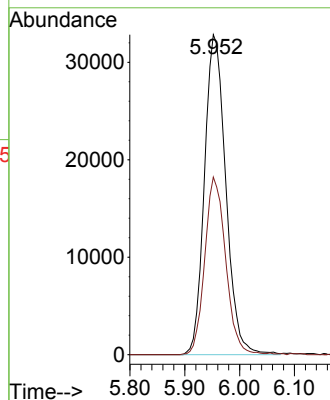
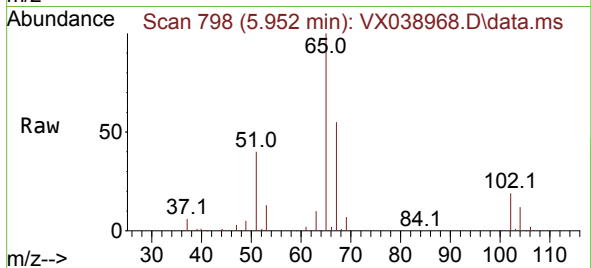
91BR-20231113

Tgt Ion: 65 Resp: 88838

Ion Ratio Lower Upper

65 100

67 54.3 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: VX038968.D

Acq: 20 Nov 2023 18:54

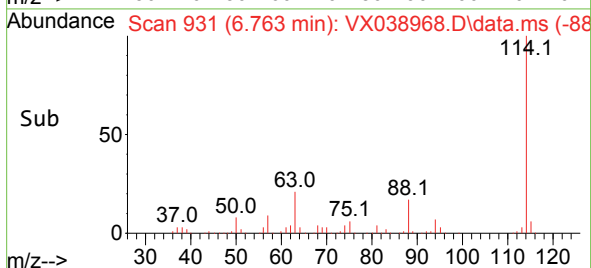
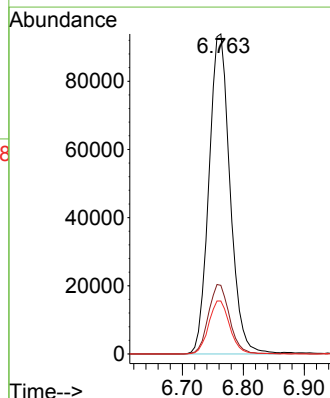
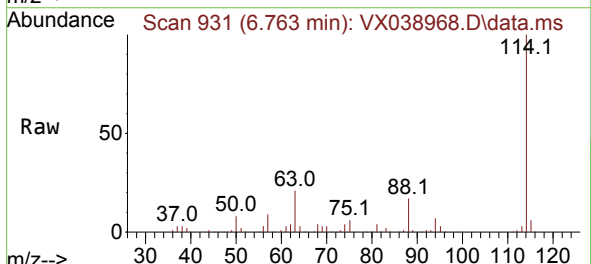
Tgt Ion: 114 Resp: 225711

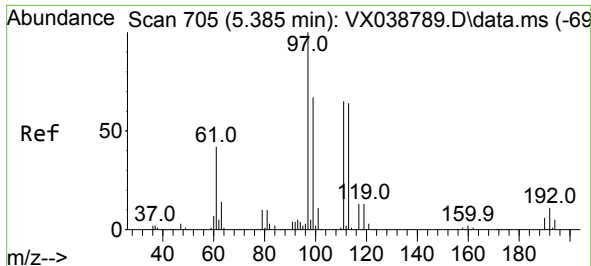
Ion Ratio Lower Upper

114 100

63 21.4 0.0 45.0

88 16.5 0.0 36.6

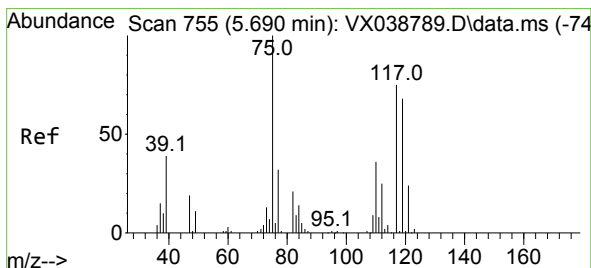
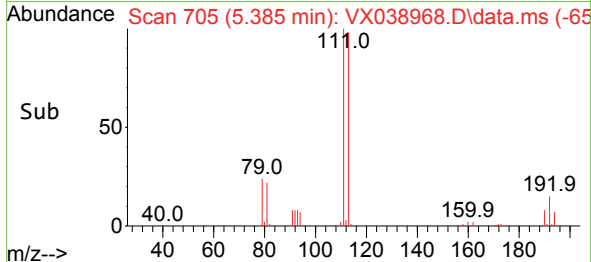
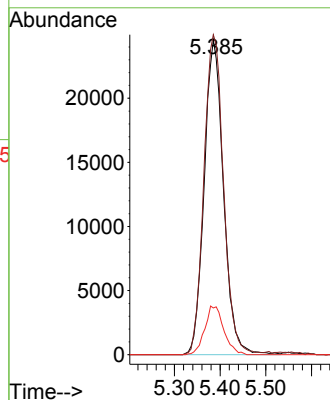
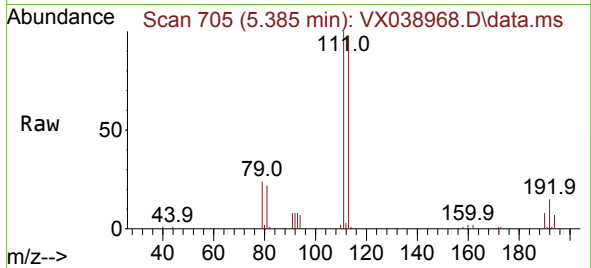




#35
Dibromofluoromethane
Concen: 44.202 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX038968.D
Acq: 20 Nov 2023 18:54

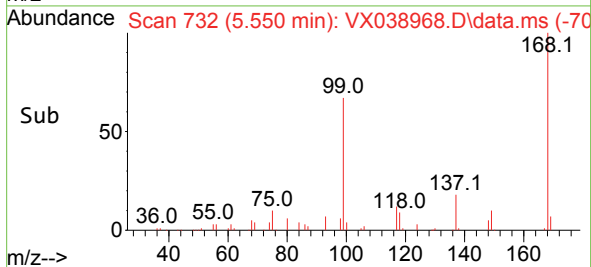
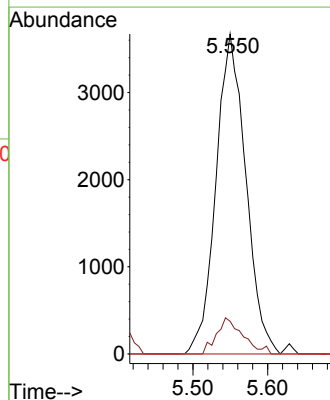
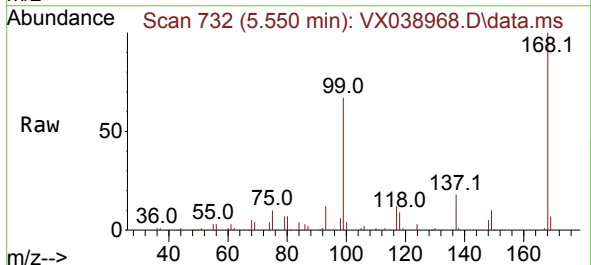
Instrument :
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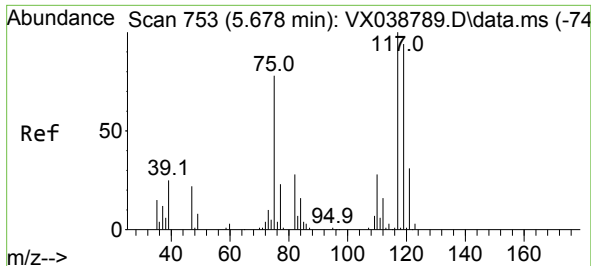
Tgt Ion:	113	Resp:	72055
Ion	Ratio	Lower	Upper
113	100		
111	103.5	82.9	124.3
192	15.3	13.3	19.9



#36
1,1-Dichloropropene
Concen: 4.356 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX038968.D
Acq: 20 Nov 2023 18:54

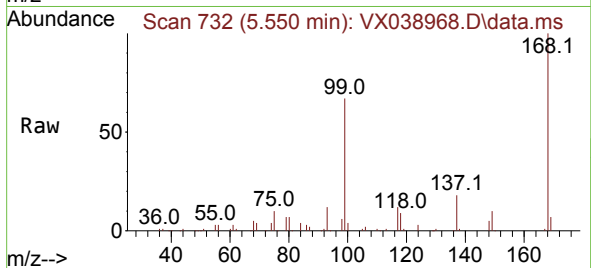
Tgt Ion:	75	Resp:	10177
Ion	Ratio	Lower	Upper
75	100		
110	9.9	17.0	50.9#
77	0.0	24.7	37.1#



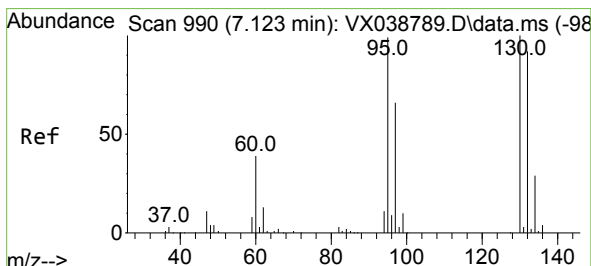
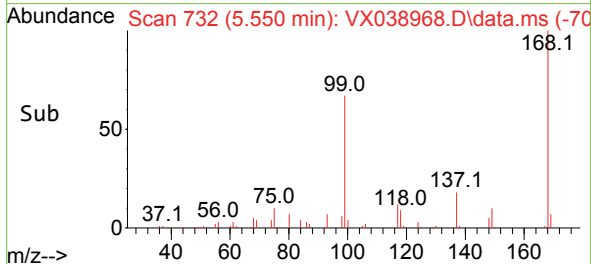
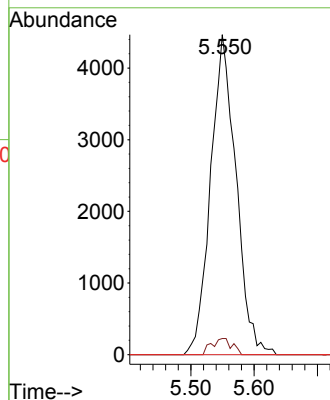


#38
Carbon Tetrachloride
Concen: 5.767 ug/l
RT: 5.550 min Scan# 711
Delta R.T. -0.128 min
Lab File: VX038968.D
Acq: 20 Nov 2023 18:54

Instrument :
MSVOA_X
ClientSampleId :
91BR-20231113

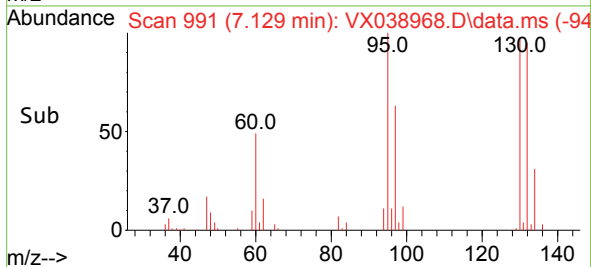
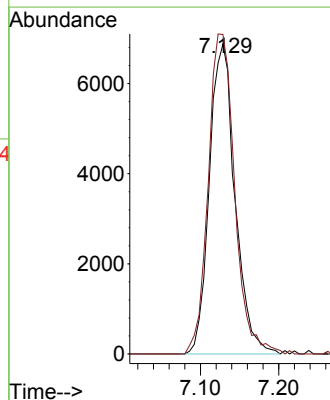
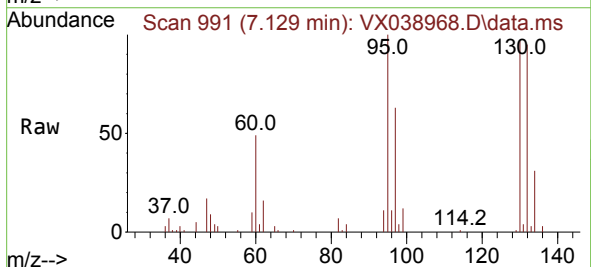


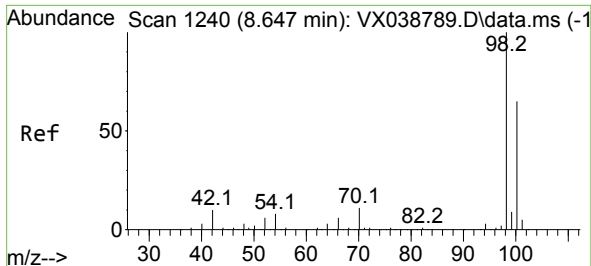
Tgt Ion:117 Resp: 12452
Ion Ratio Lower Upper
117 100
119 5.0 78.2 117.2#
121 0.0 24.4 36.6#



#44
Trichloroethene
Concen: 9.294 ug/l
RT: 7.129 min Scan# 991
Delta R.T. 0.006 min
Lab File: VX038968.D
Acq: 20 Nov 2023 18:54

Tgt Ion:130 Resp: 15633
Ion Ratio Lower Upper
130 100
95 103.2 0.0 204.4

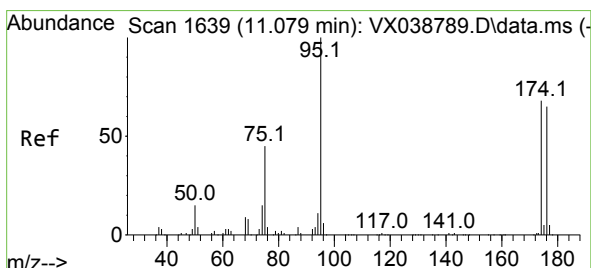
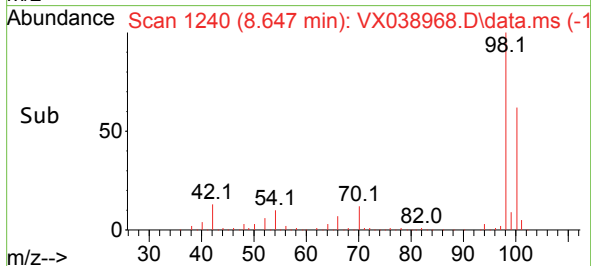
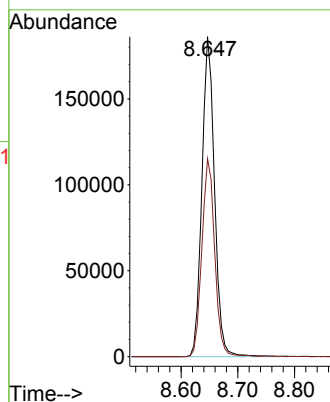
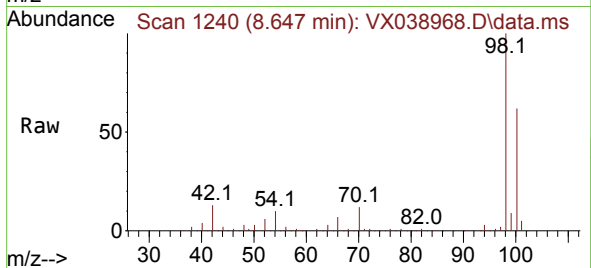




#50
Toluene-d8
Concen: 46.143 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX038968.D
Acq: 20 Nov 2023 18:54

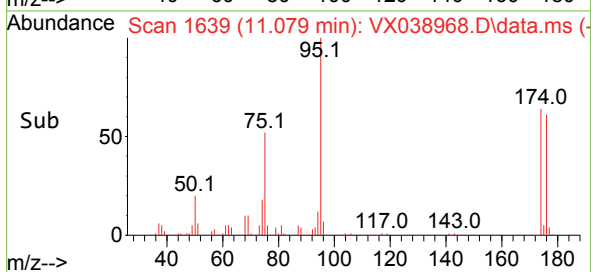
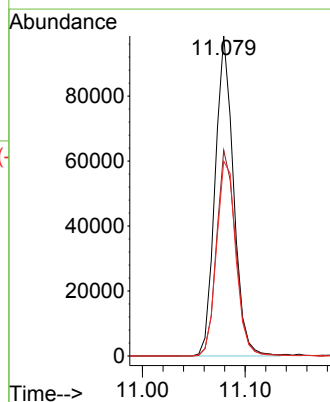
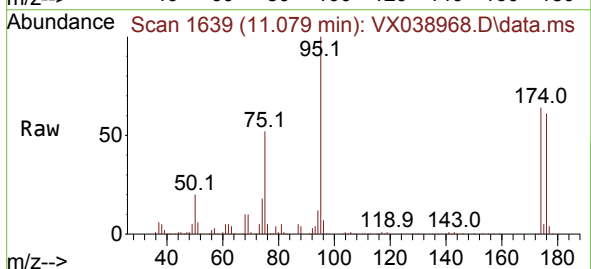
Instrument :
MSVOA_X
ClientSampleId :
91BR-20231113

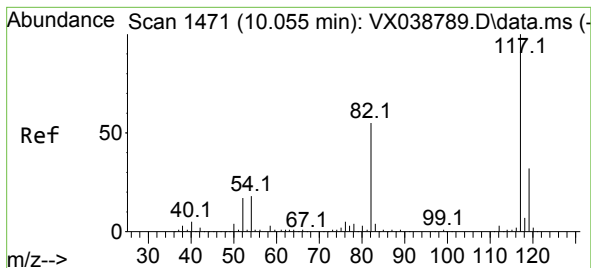
Tgt Ion: 98 Resp: 287794
Ion Ratio Lower Upper
98 100
100 63.1 53.1 79.7



#62
4-Bromofluorobenzene
Concen: 48.918 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX038968.D
Acq: 20 Nov 2023 18:54

Tgt Ion: 95 Resp: 122134
Ion Ratio Lower Upper
95 100
174 67.0 0.0 135.6
176 64.3 0.0 131.0

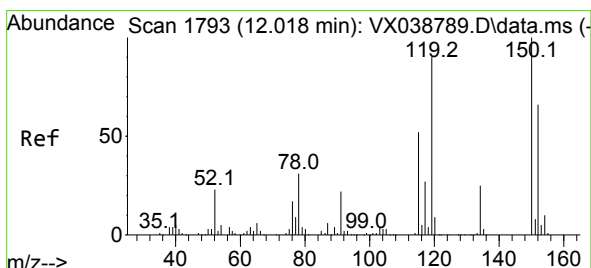
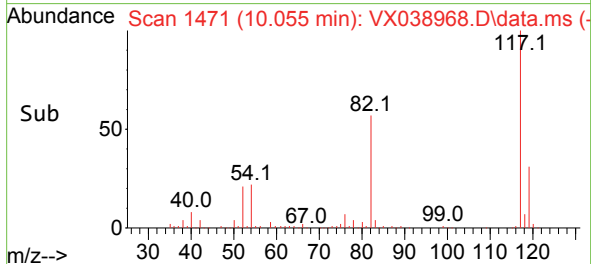
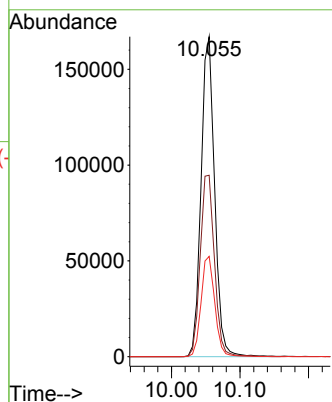
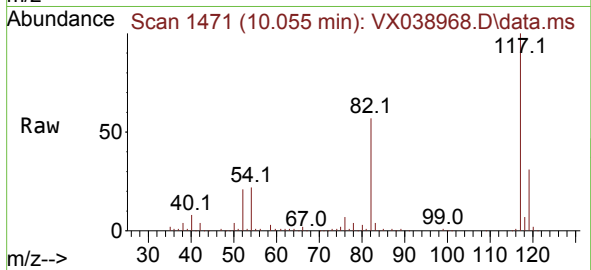




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX038968.D
Acq: 20 Nov 2023 18:54

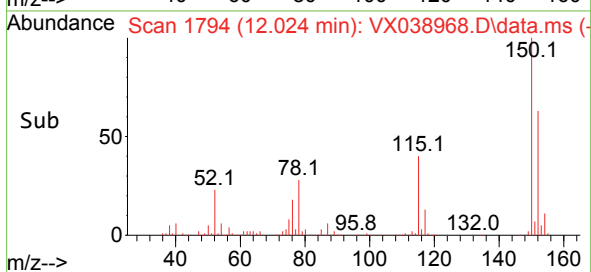
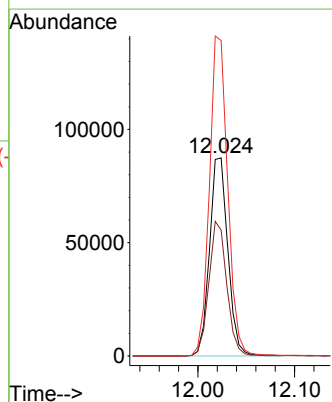
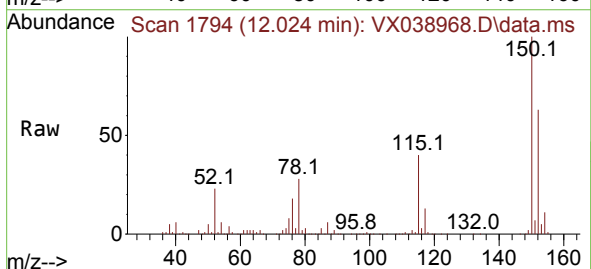
Instrument :
MSVOA_X
ClientSampleId :
91BR-20231113

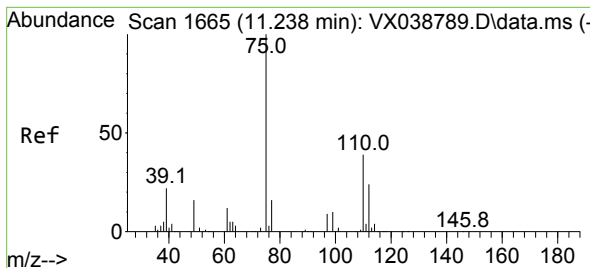
Tgt Ion:117 Resp: 230511
Ion Ratio Lower Upper
117 100
82 56.7 46.2 69.4
119 31.4 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.006 min
Lab File: VX038968.D
Acq: 20 Nov 2023 18:54

Tgt Ion:152 Resp: 115141
Ion Ratio Lower Upper
152 100
115 66.5 43.3 129.9
150 160.9 0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 22.917 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX038968.D

Acq: 20 Nov 2023 18:54

Instrument :

MSVOA_X

ClientSampleId :

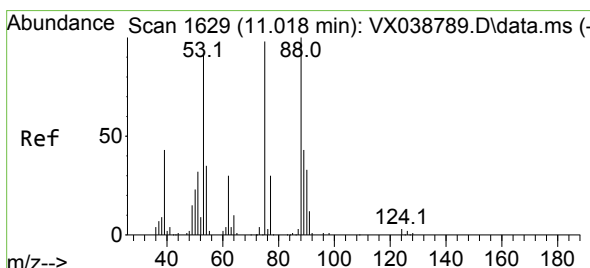
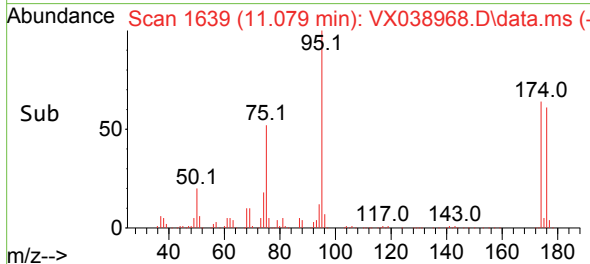
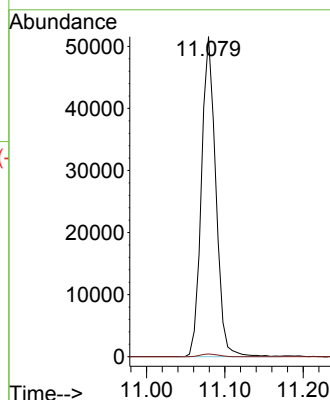
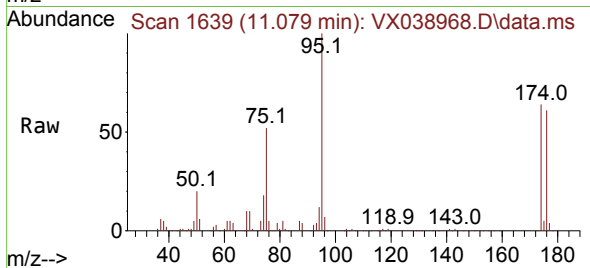
91BR-20231113

Tgt Ion: 75 Resp: 65834

Ion Ratio Lower Upper

75 100

77 1.1 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 50.832 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX038968.D

Acq: 20 Nov 2023 18:54

Tgt Ion: 75 Resp: 65834

Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#

