

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112023\
 Data File : VX038963.D
 Acq On : 20 Nov 2023 17:00
 Operator : JC/MD
 Sample : 05431-07
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Nov 21 00:23:10 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)

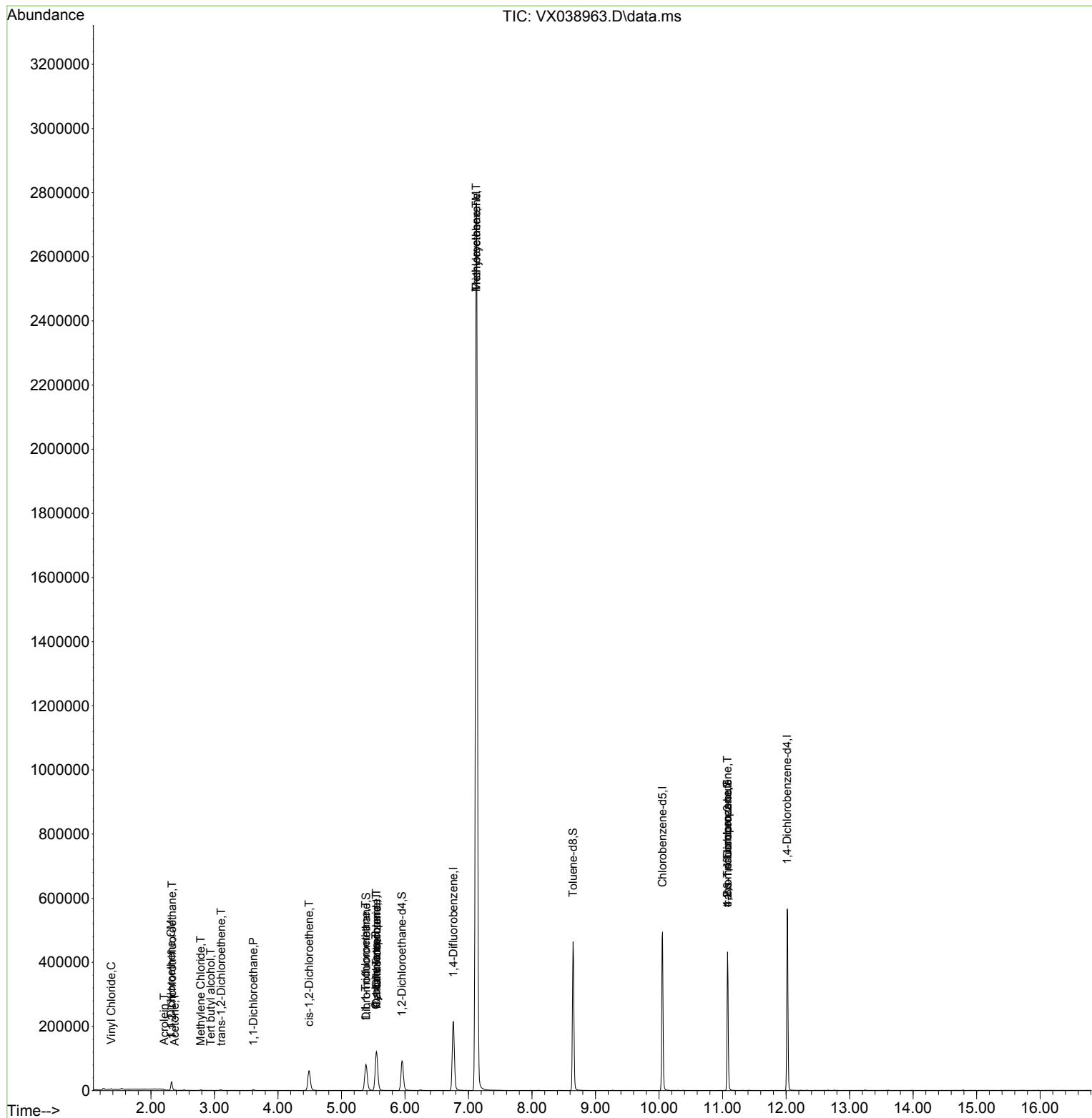
Internal Standards						
1) Pentafluorobenzene	5.556	168	107907	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	220373	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	222911	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	110482	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	88411	50.847	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	101.700%
35) Dibromofluoromethane	5.385	113	71229	44.753	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	89.500%
50) Toluene-d8	8.647	98	277160	45.515	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	91.020%#
62) 4-Bromofluorobenzene	11.079	95	118406	48.574	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	97.140%
Target Compounds						
						Qvalue
4) Vinyl Chloride	1.374	62	1322	0.835	ug/l	90
9) 1,1,2-Trichlorotrifluo...	2.331	101	3208	2.408	ug/l	92
11) Tert butyl alcohol	2.940	59	217	0.449	ug/l #	83
12) 1,1-Dichloroethene	2.319	96	6423	4.776	ug/l	91
13) Acrolein	2.209	56	67	0.262	ug/l #	14
16) Acetone	2.373	43	1186	1.281	ug/l	91
20) Methylene Chloride	2.782	84	614	0.368	ug/l #	77
21) trans-1,2-Dichloroethene	3.105	96	805	0.542	ug/l #	64
24) 1,1-Dichloroethane	3.611	63	2467	0.893	ug/l #	93
27) cis-1,2-Dichloroethene	4.489	96	39190	22.656	ug/l	85
31) Cyclohexane	5.544	56	3101	1.249	ug/l #	1
32) 1,1,1-Trichloroethane	5.379	97	983	0.421	ug/l #	47
36) 1,1-Dichloropropene	5.550	75	10372	4.547	ug/l #	49
38) Carbon Tetrachloride	5.550	117	12035	5.708	ug/l #	16
39) Methylcyclohexane	7.123	83	13807	4.640	ug/l #	1
44) Trichloroethene	7.123	130	1019882	621.031	ug/l	94
76) 1,2,3-Trichloropropane	11.079	75	63302	22.965	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	63302	50.938	ug/l #	5

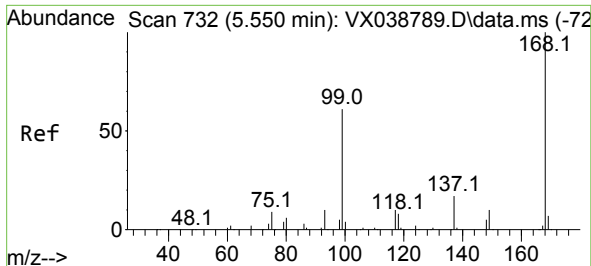
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Nov 16 22:59:22 2023
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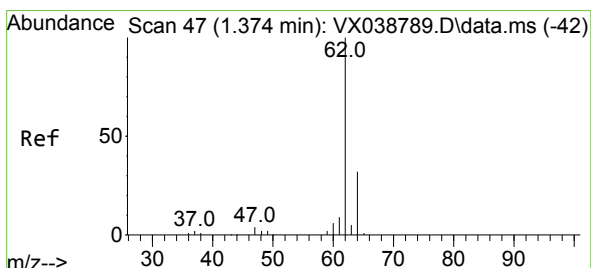
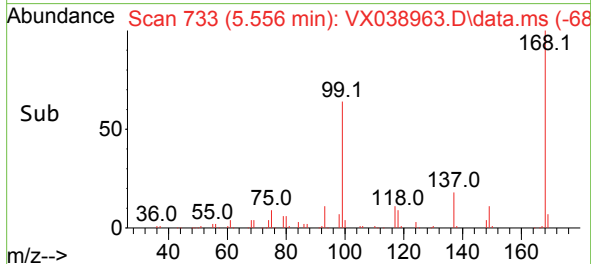
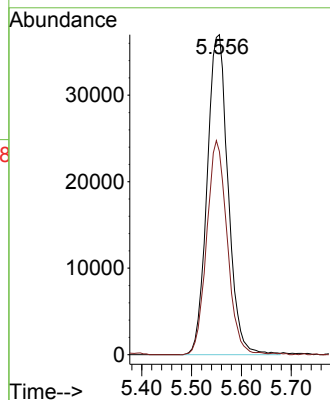
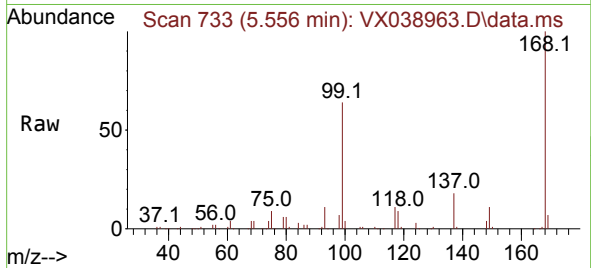




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX038963.D
Acq: 20 Nov 2023 17:00

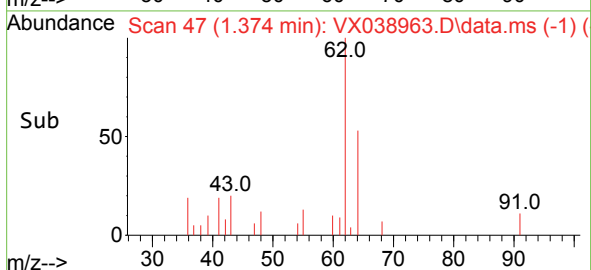
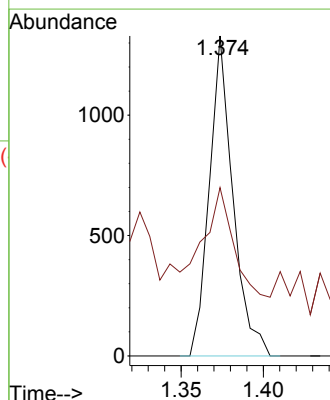
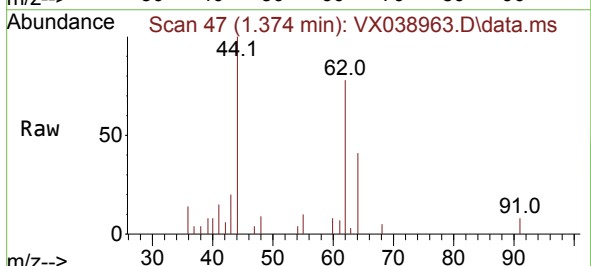
Instrument :
MSVOA_X
ClientSampleId :

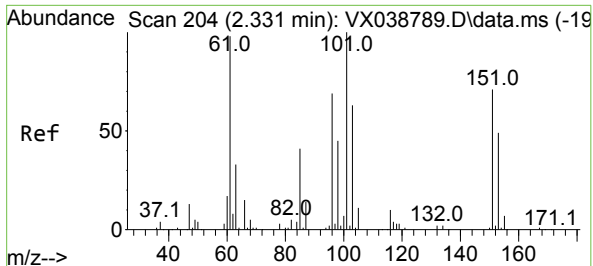
Tgt Ion:168 Resp: 107907
Ion Ratio Lower Upper
168 100
99 63.5 56.6 85.0



#4
Vinyl Chloride
Concen: 0.835 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX038963.D
Acq: 20 Nov 2023 17:00

Tgt Ion: 62 Resp: 1322
Ion Ratio Lower Upper
62 100
64 26.4 25.4 38.0

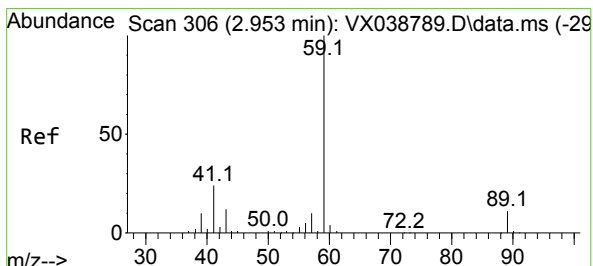
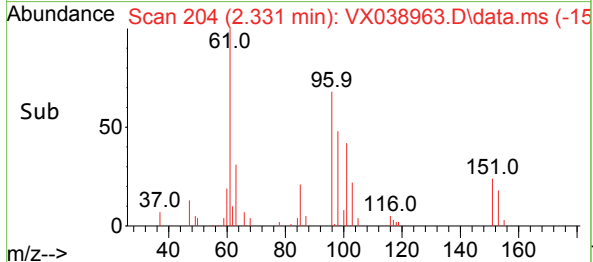
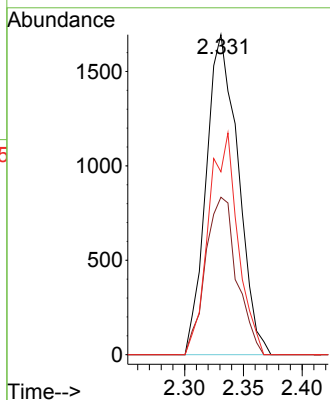
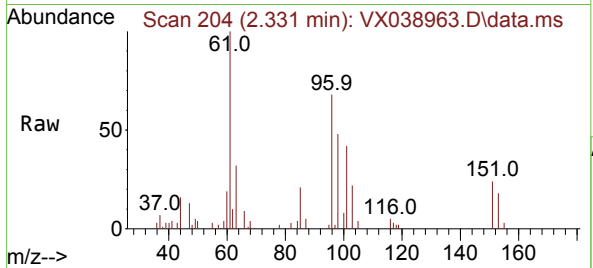




#9
1,1,2-Trichlorotrifluoroethane
Concen: 2.408 ug/l
RT: 2.331 min Scan# 204
Delta R.T. 0.000 min
Lab File: VX038963.D
Acq: 20 Nov 2023 17:00

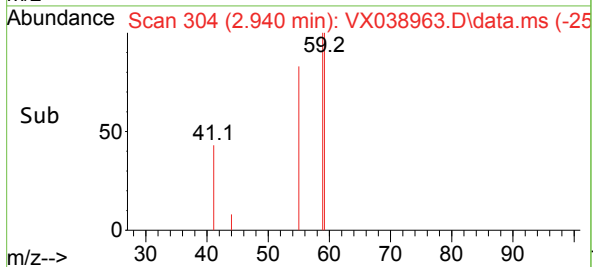
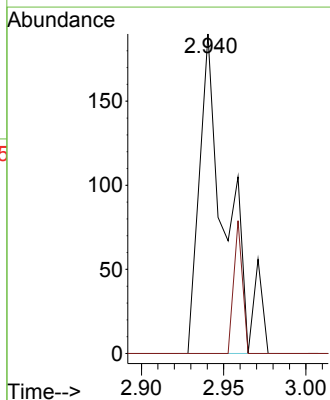
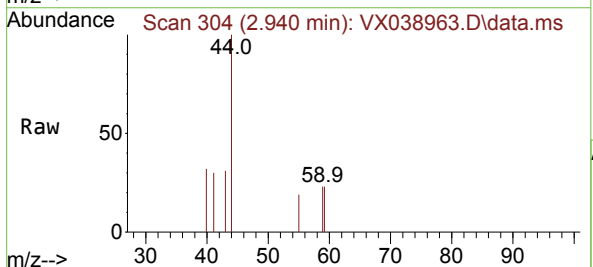
Instrument :
MSVOA_X
ClientSampleId :

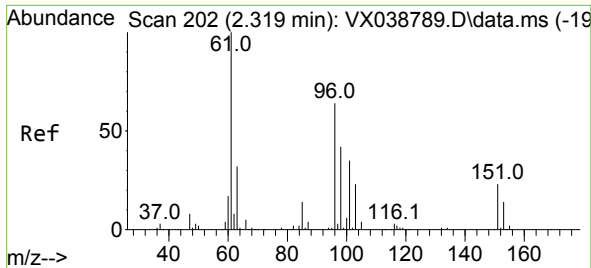
Tgt Ion:101 Resp: 3208
Ion Ratio Lower Upper
101 100
85 48.3 37.0 55.6
151 63.7 58.6 87.8



#11
Tert butyl alcohol
Concen: 0.449 ug/l
RT: 2.940 min Scan# 304
Delta R.T. -0.012 min
Lab File: VX038963.D
Acq: 20 Nov 2023 17:00

Tgt Ion: 59 Resp: 217
Ion Ratio Lower Upper
59 100
57 13.4 6.0 9.0#





#12

1,1-Dichloroethene

Concen: 4.776 ug/l

RT: 2.319 min Scan# 20

Delta R.T. 0.000 min

Lab File: VX038963.D

Acq: 20 Nov 2023 17:00

Instrument :

MSVOA_X

ClientSampleId :

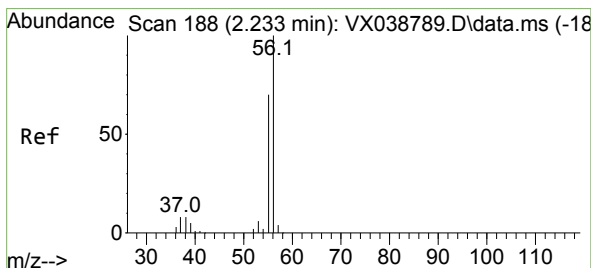
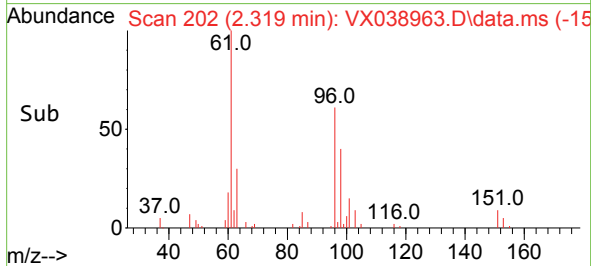
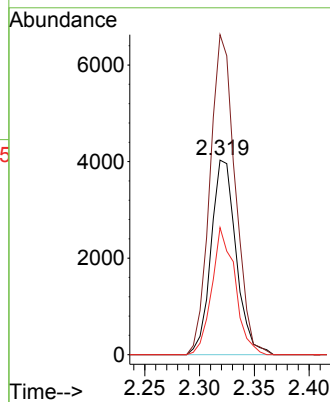
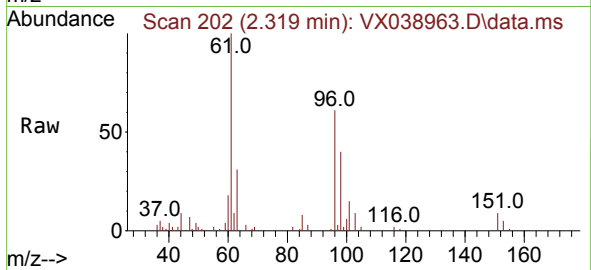
Tgt Ion: 96 Resp: 6423

Ion Ratio Lower Upper

96 100

61 164.5 144.6 216.8

98 65.3 50.4 75.6



#13

Acrolein

Concen: 0.262 ug/l

RT: 2.209 min Scan# 184

Delta R.T. -0.024 min

Lab File: VX038963.D

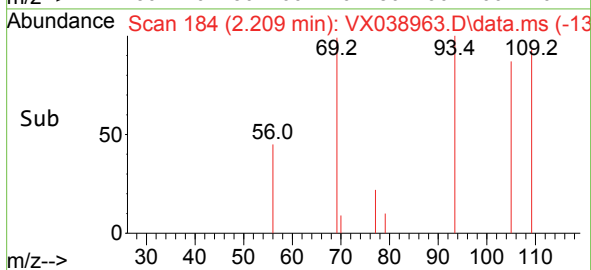
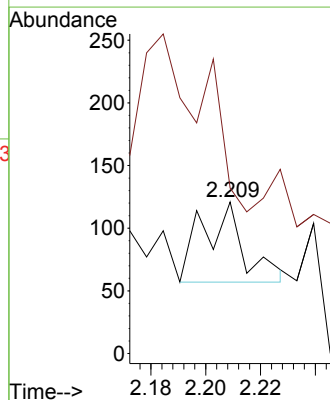
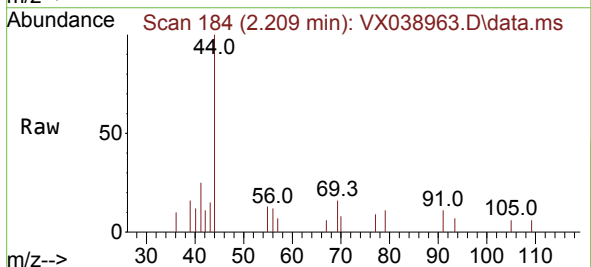
Acq: 20 Nov 2023 17:00

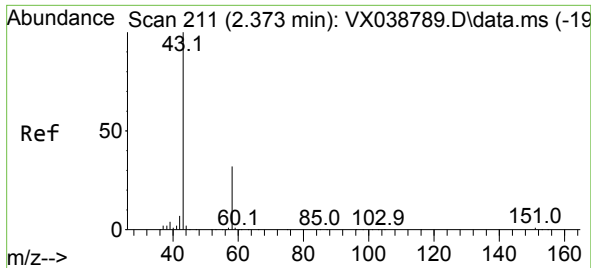
Tgt Ion: 56 Resp: 67

Ion Ratio Lower Upper

56 100

55 0.0 57.1 85.7#

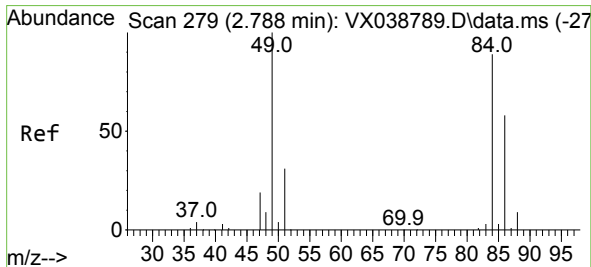
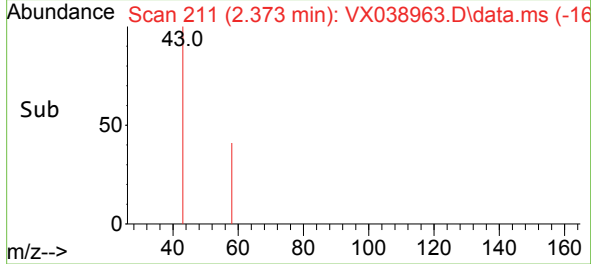
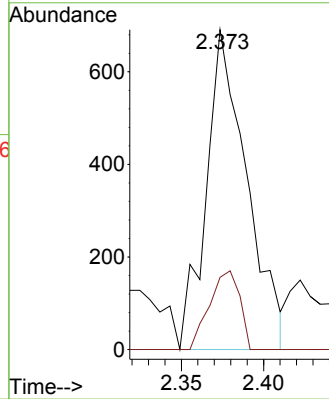
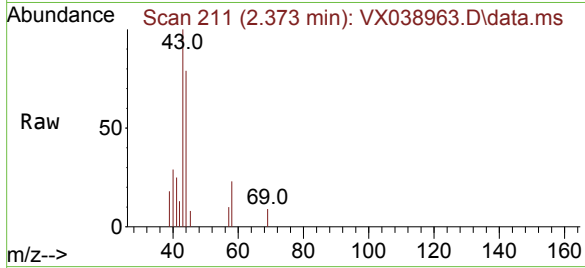




#16
Acetone
Concen: 1.281 ug/l
RT: 2.373 min Scan# 211
Delta R.T. 0.000 min
Lab File: VX038963.D
Acq: 20 Nov 2023 17:00

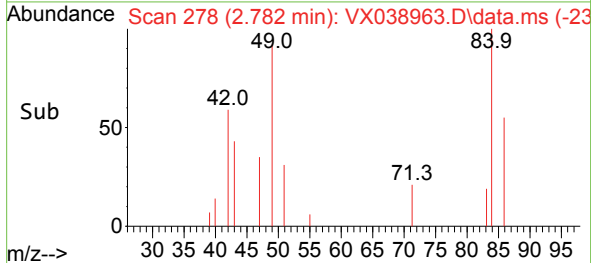
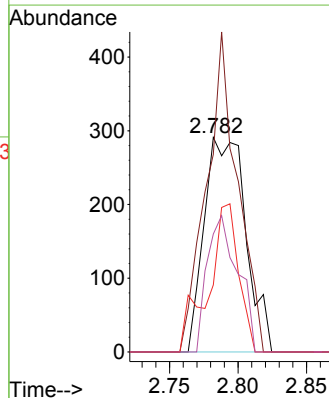
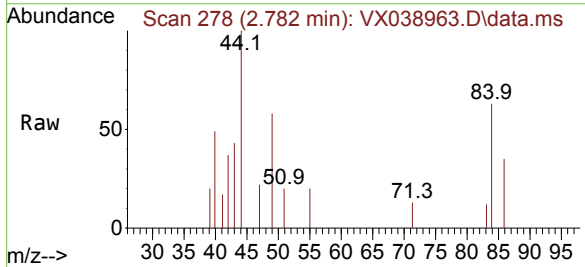
Instrument :
MSVOA_X
ClientSampleId :

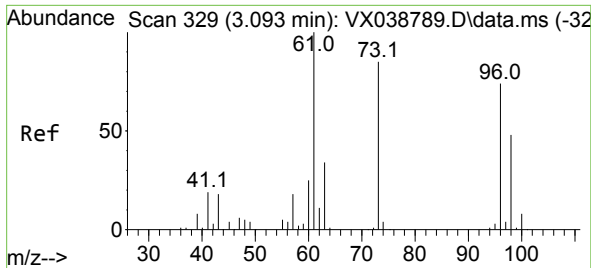
Tgt Ion: 43 Resp: 1186
Ion Ratio Lower Upper
43 100
58 22.6 21.9 32.9



#20
Methylene Chloride
Concen: 0.368 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.006 min
Lab File: VX038963.D
Acq: 20 Nov 2023 17:00

Tgt Ion: 84 Resp: 614
Ion Ratio Lower Upper
84 100
49 92.1 103.6 155.4#
51 31.3 33.8 50.6#
86 55.0 49.4 74.0

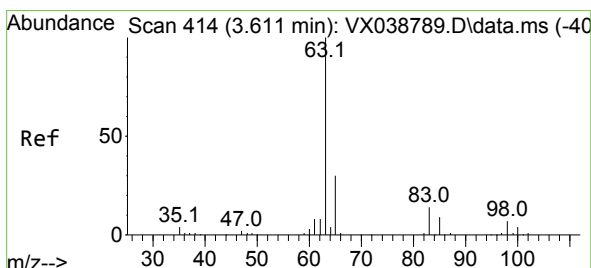
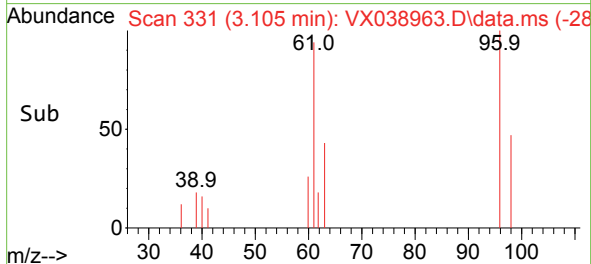
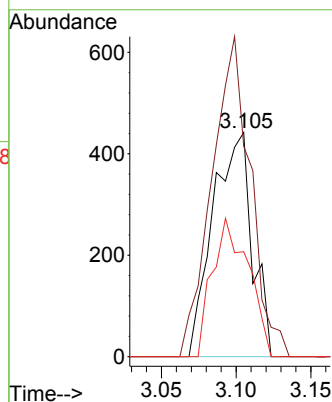
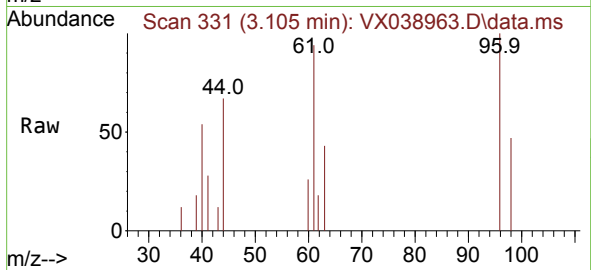




#21
trans-1,2-Dichloroethene
Concen: 0.542 ug/l
RT: 3.105 min Scan# 311
Delta R.T. 0.012 min
Lab File: VX038963.D
Acq: 20 Nov 2023 17:00

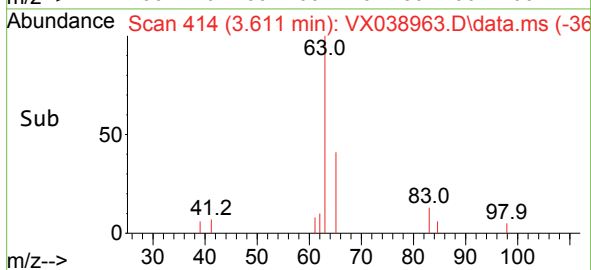
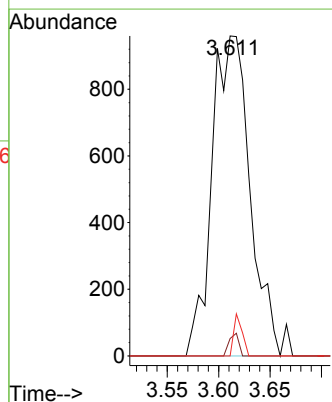
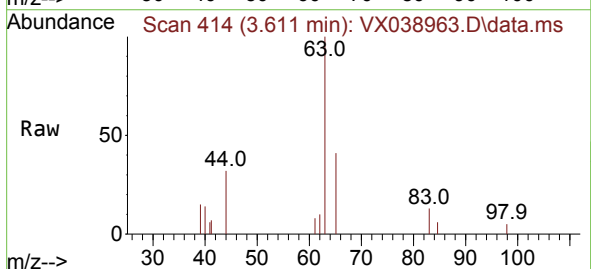
Instrument :
MSVOA_X
ClientSampleId :

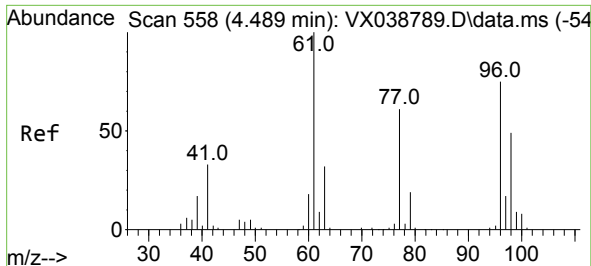
Tgt Ion: 96 Resp: 805
Ion Ratio Lower Upper
96 100
61 93.9 119.2 178.8#
98 46.8 48.7 73.1#



#24
1,1-Dichloroethane
Concen: 0.893 ug/l
RT: 3.611 min Scan# 414
Delta R.T. 0.000 min
Lab File: VX038963.D
Acq: 20 Nov 2023 17:00

Tgt Ion: 63 Resp: 2467
Ion Ratio Lower Upper
63 100
98 5.4 3.3 9.8
100 0.0 2.1 6.5#





#27

cis-1,2-Dichloroethene

Concen: 22.656 ug/l

RT: 4.489 min Scan# 51

Delta R.T. 0.000 min

Lab File: VX038963.D

Acq: 20 Nov 2023 17:00

Instrument :

MSVOA_X

ClientSampleId :

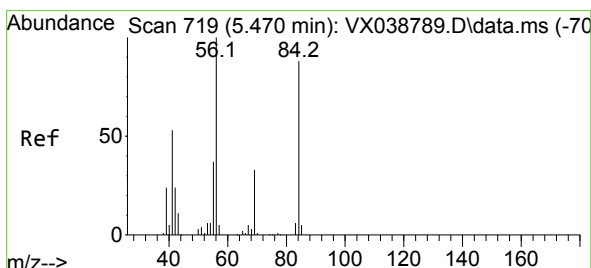
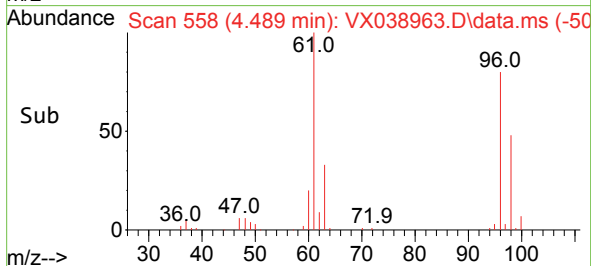
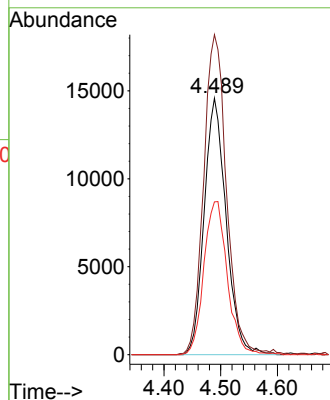
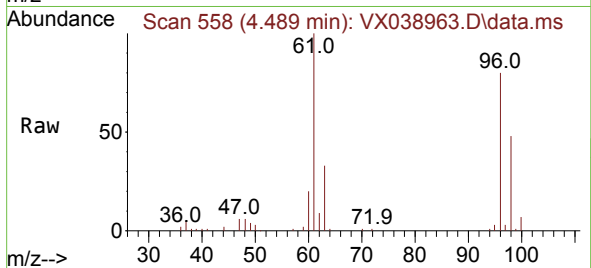
Tgt Ion: 96 Resp: 39190

Ion Ratio Lower Upper

96 100

61 129.4 0.0 312.2

98 63.8 0.0 129.0



#31

Cyclohexane

Concen: 1.249 ug/l

RT: 5.544 min Scan# 731

Delta R.T. 0.073 min

Lab File: VX038963.D

Acq: 20 Nov 2023 17:00

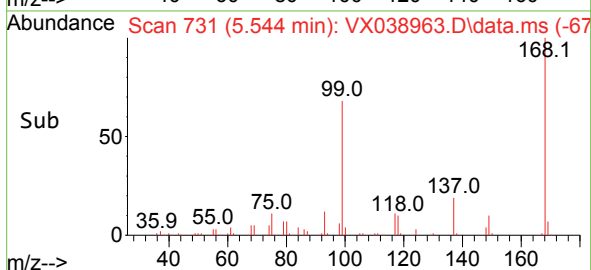
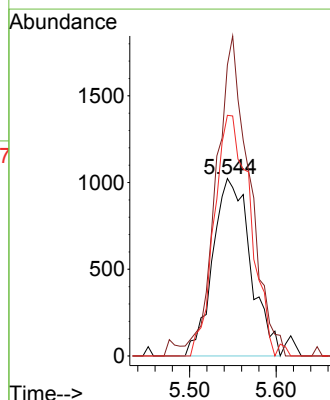
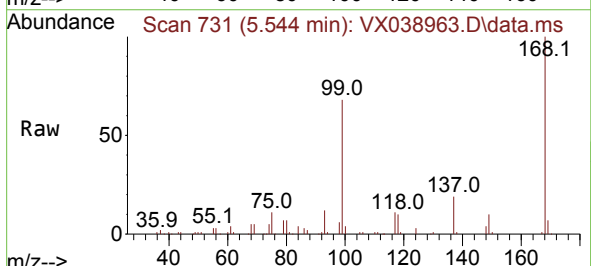
Tgt Ion: 56 Resp: 3101

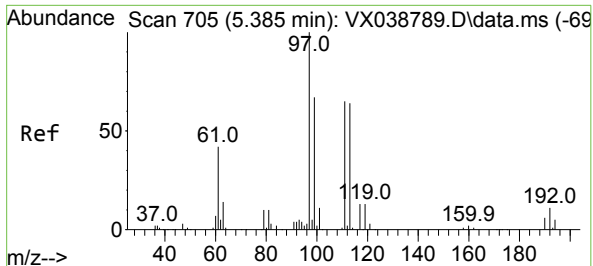
Ion Ratio Lower Upper

56 100

69 158.5 23.4 35.2#

84 135.7 65.9 98.9#

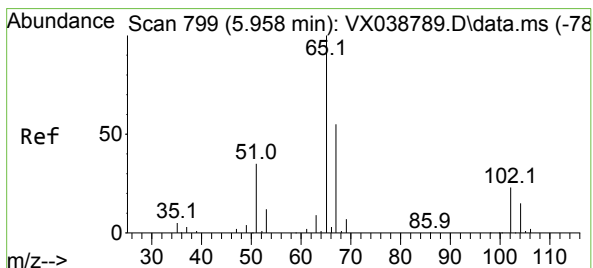
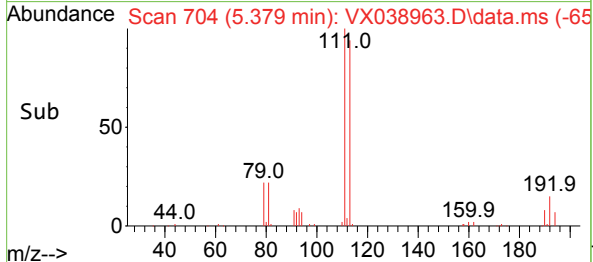
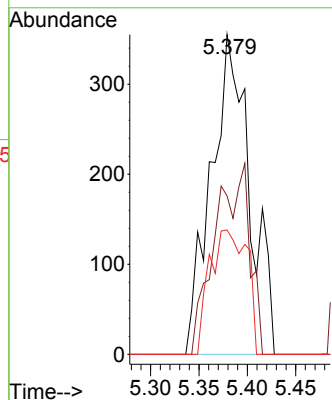
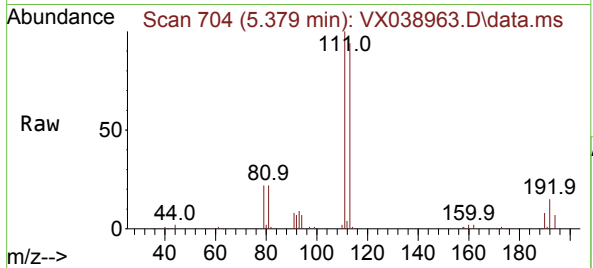




#32
1,1,1-Trichloroethane
Concen: 0.421 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.006 min
Lab File: VX038963.D
Acq: 20 Nov 2023 17:00

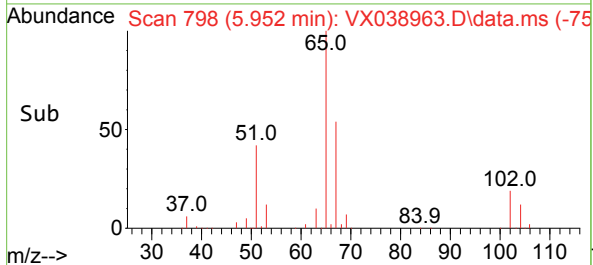
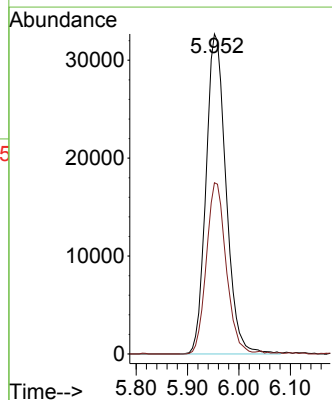
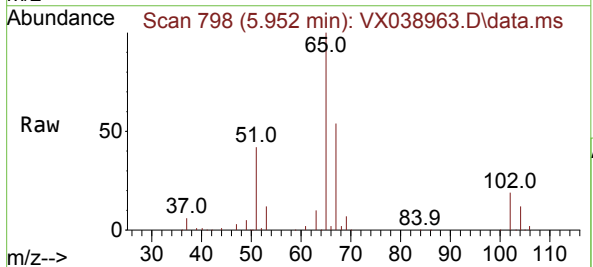
Instrument :
MSVOA_X
ClientSampleId :

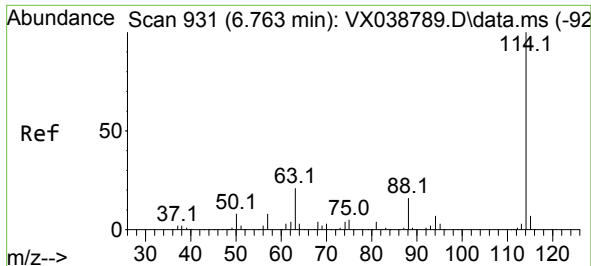
Tgt Ion: 97 Resp: 983
Ion Ratio Lower Upper
97 100
99 0.0 51.1 76.7#
61 37.9 36.4 54.6



#33
1,2-Dichloroethane-d4
Concen: 50.847 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.006 min
Lab File: VX038963.D
Acq: 20 Nov 2023 17:00

Tgt Ion: 65 Resp: 88411
Ion Ratio Lower Upper
65 100
67 52.9 0.0 100.2

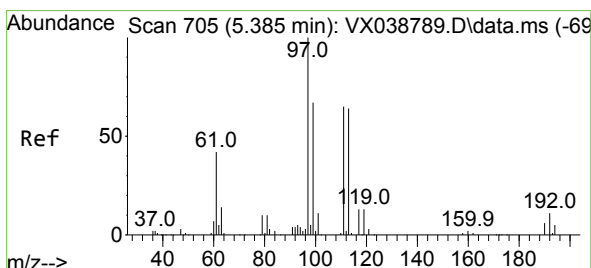
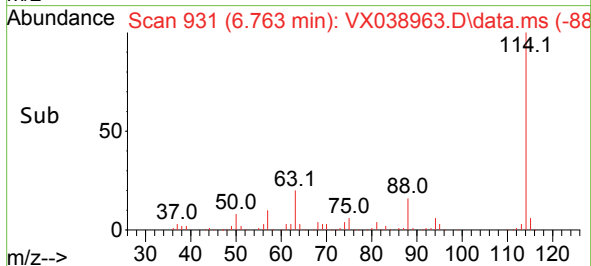
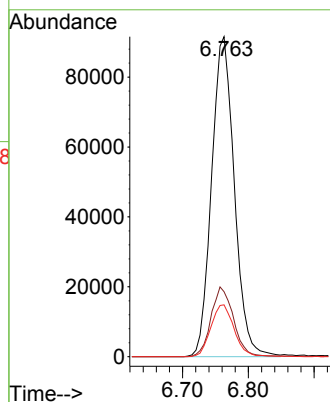
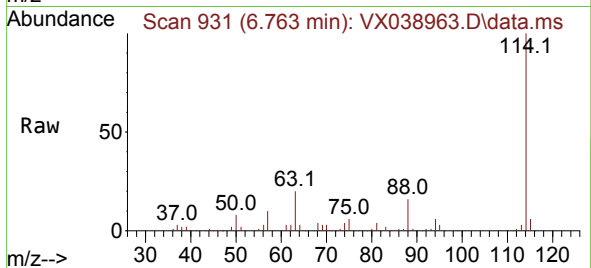




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 911
Delta R.T. 0.000 min
Lab File: VX038963.D
Acq: 20 Nov 2023 17:00

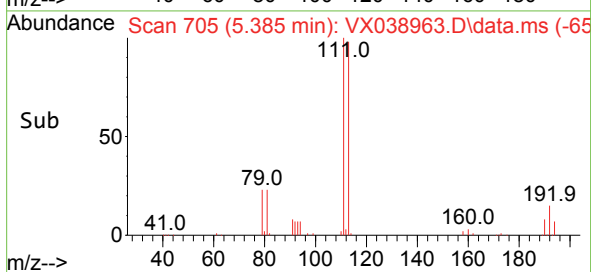
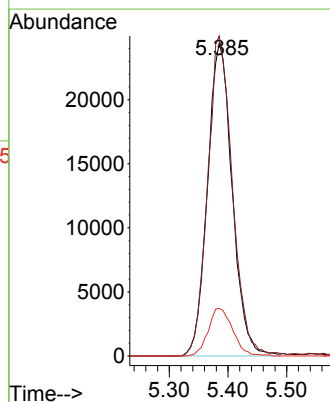
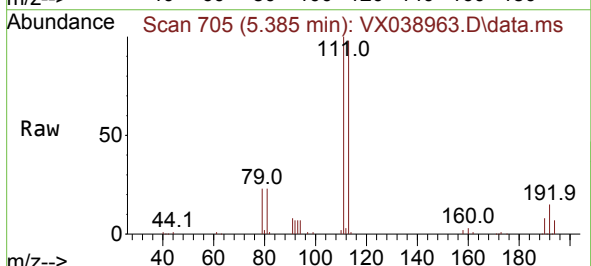
Instrument :
MSVOA_X
ClientSampleId :

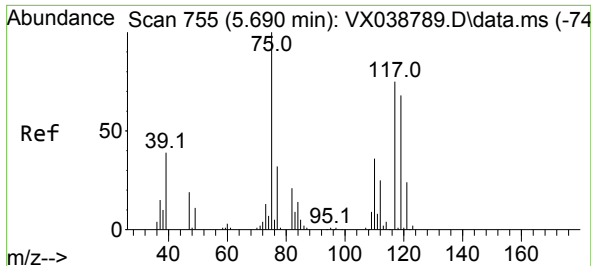
Tgt Ion:114 Resp: 220373
Ion Ratio Lower Upper
114 100
63 20.3 0.0 45.0
88 16.2 0.0 36.6



#35
Dibromofluoromethane
Concen: 44.753 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX038963.D
Acq: 20 Nov 2023 17:00

Tgt Ion:113 Resp: 71229
Ion Ratio Lower Upper
113 100
111 102.6 82.9 124.3
192 15.2 13.3 19.9

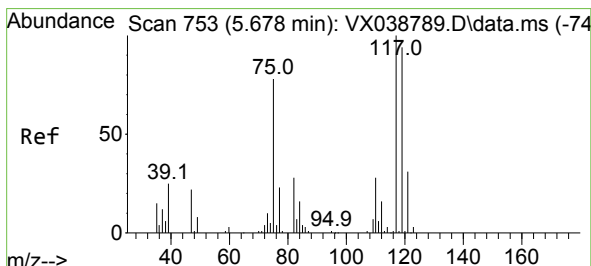
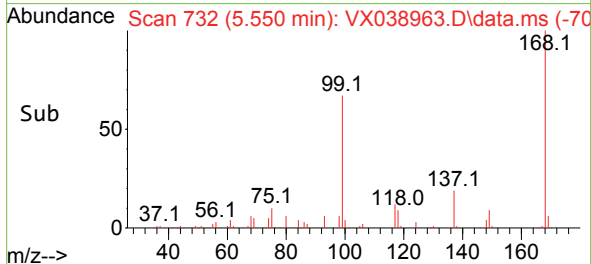
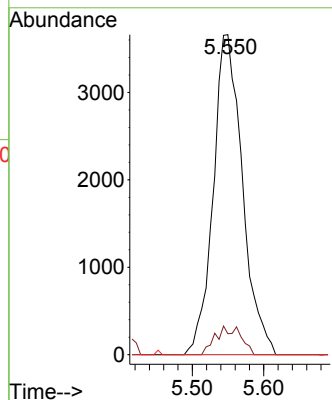
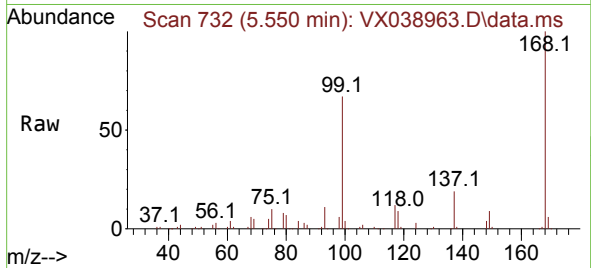




#36
1,1-Dichloropropene
Concen: 4.547 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX038963.D
Acq: 20 Nov 2023 17:00

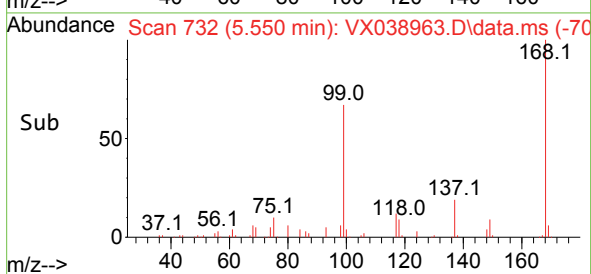
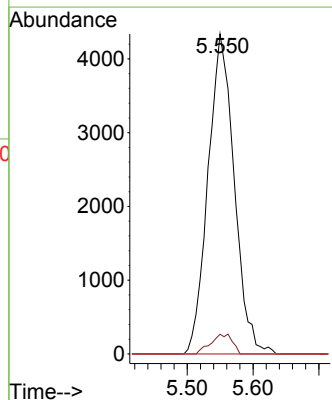
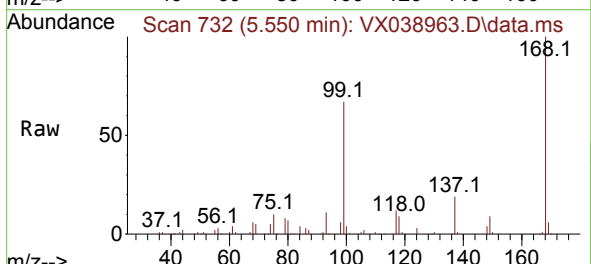
Instrument :
MSVOA_X
ClientSampleId :

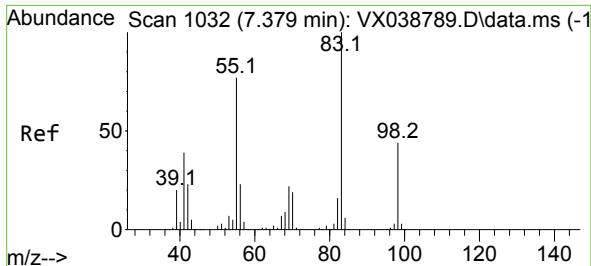
Tgt Ion: 75 Resp: 10372
Ion Ratio Lower Upper
75 100
110 7.7 17.0 50.9#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 5.708 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.128 min
Lab File: VX038963.D
Acq: 20 Nov 2023 17:00

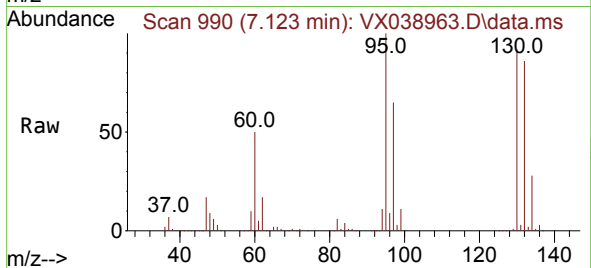
Tgt Ion: 117 Resp: 12035
Ion Ratio Lower Upper
117 100
119 6.2 78.2 117.2#
121 0.0 24.4 36.6#



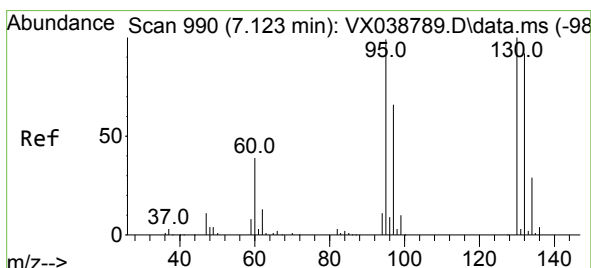
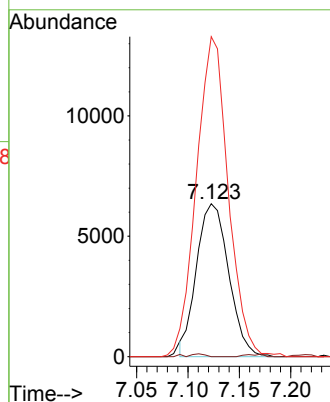
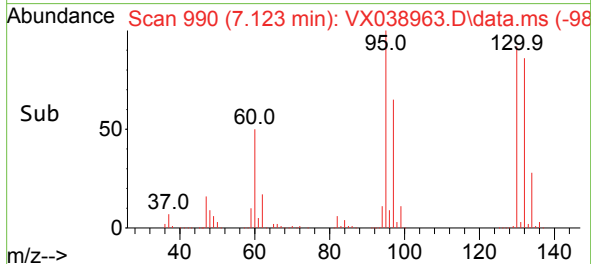


#39
Methylcyclohexane
Concen: 4.640 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.256 min
Lab File: VX038963.D
Acq: 20 Nov 2023 17:00

Instrument :
MSVOA_X
ClientSampleId :

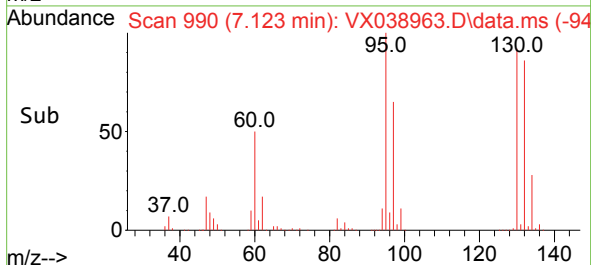
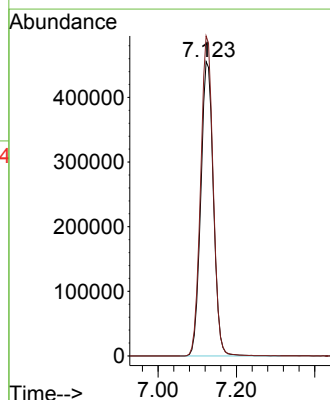
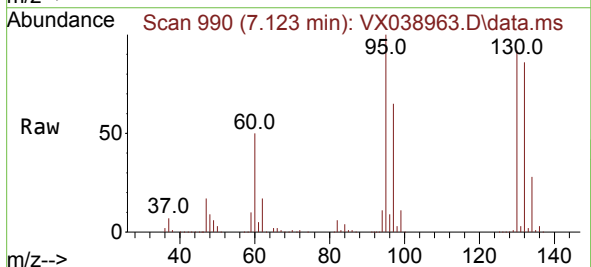


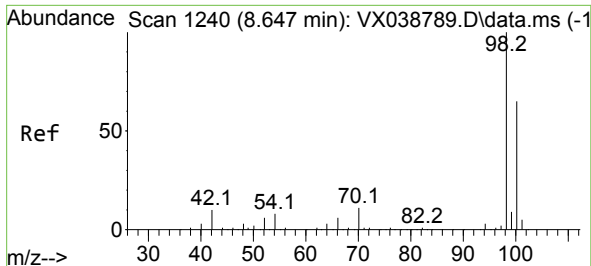
Tgt Ion: 83 Resp: 13807
Ion Ratio Lower Upper
83 100
55 0.0 64.6 97.0#
98 207.3 36.7 55.1#



#44
Trichloroethene
Concen: 621.031 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX038963.D
Acq: 20 Nov 2023 17:00

Tgt Ion:130 Resp: 1019882
Ion Ratio Lower Upper
130 100
95 108.7 0.0 204.4

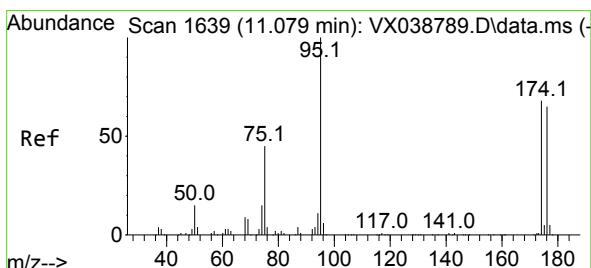
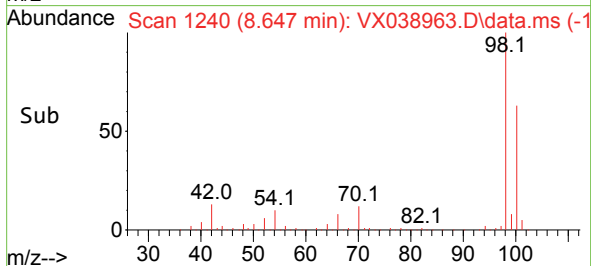
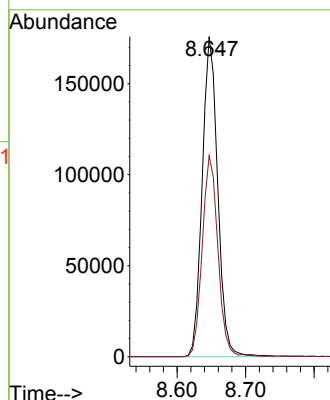
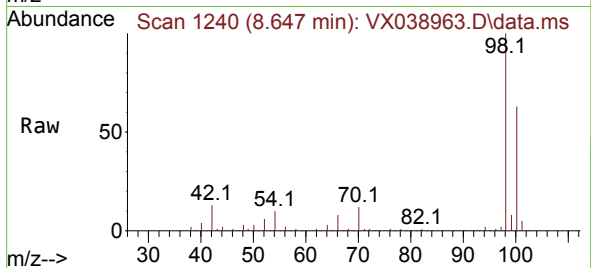




#50
Toluene-d8
Concen: 45.515 ug/l
RT: 8.647 min Scan# 1133
Delta R.T. 0.000 min
Lab File: VX038963.D
Acq: 20 Nov 2023 17:00

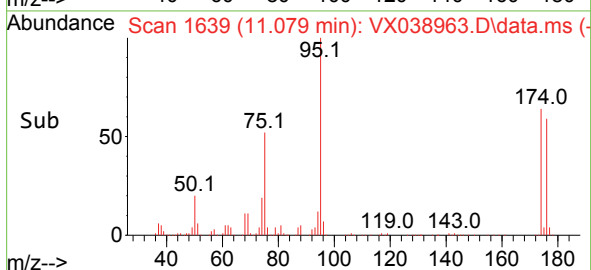
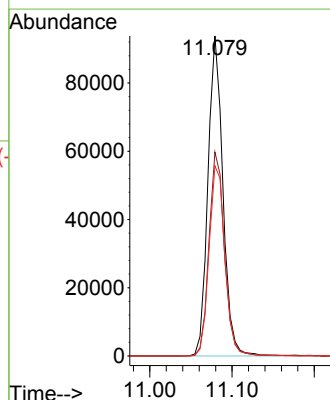
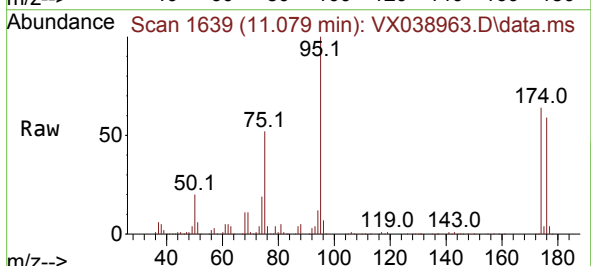
Instrument :
MSVOA_X
ClientSampleId :

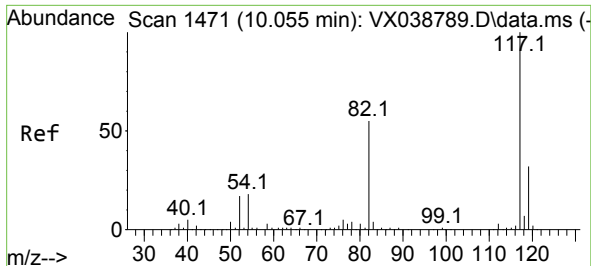
Tgt Ion: 98 Resp: 277160
Ion Ratio Lower Upper
98 100
100 63.4 53.1 79.7



#62
4-Bromofluorobenzene
Concen: 48.574 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX038963.D
Acq: 20 Nov 2023 17:00

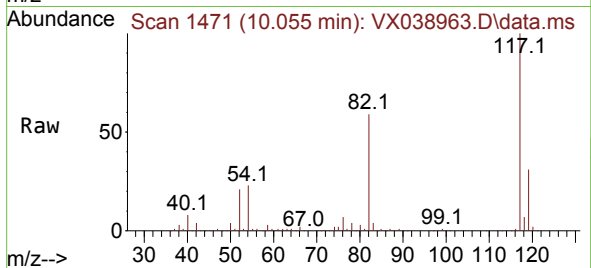
Tgt Ion: 95 Resp: 118406
Ion Ratio Lower Upper
95 100
174 65.9 0.0 135.6
176 62.8 0.0 131.0



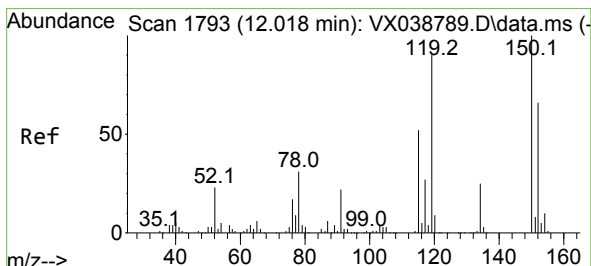
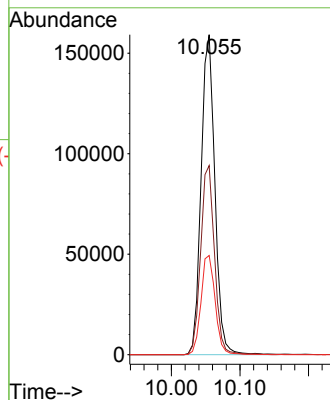
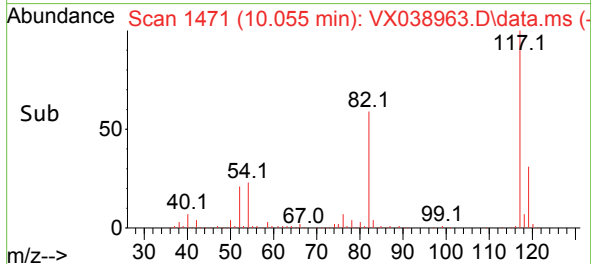


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX038963.D
Acq: 20 Nov 2023 17:00

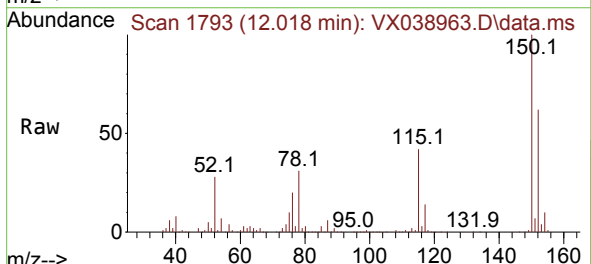
Instrument :
MSVOA_X
ClientSampleId :



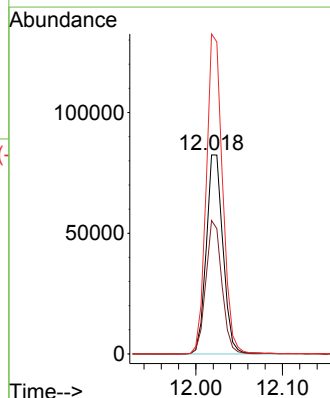
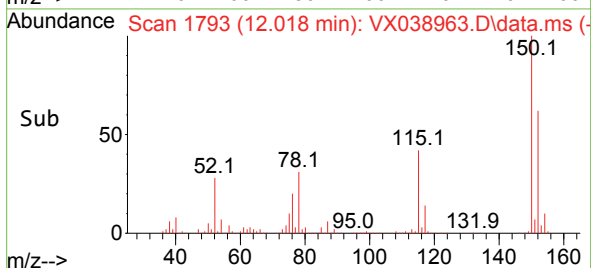
Tgt Ion:117 Resp: 222911
Ion Ratio Lower Upper
117 100
82 59.1 46.2 69.4
119 31.0 25.5 38.3

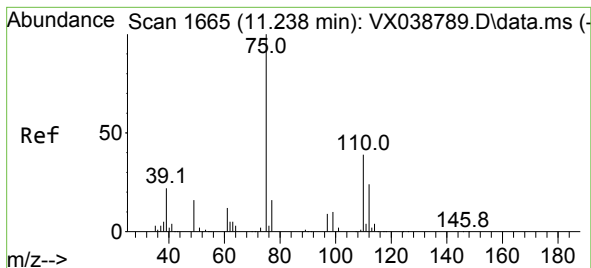


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX038963.D
Acq: 20 Nov 2023 17:00



Tgt Ion:152 Resp: 110482
Ion Ratio Lower Upper
152 100
115 64.3 43.3 129.9
150 157.5 0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 22.965 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX038963.D

Acq: 20 Nov 2023 17:00

Instrument :

MSVOA_X

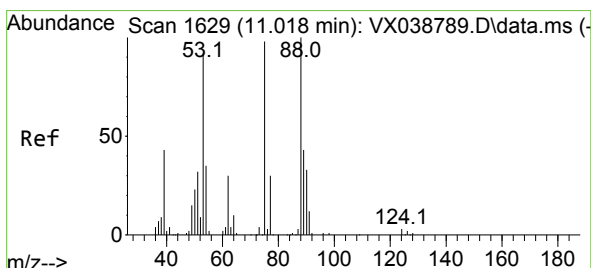
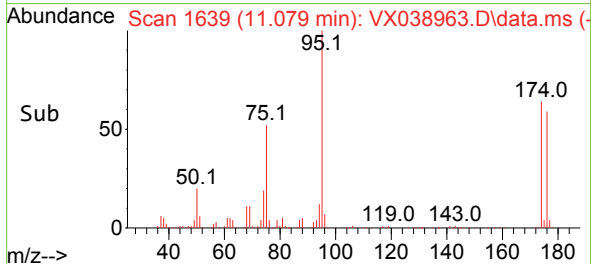
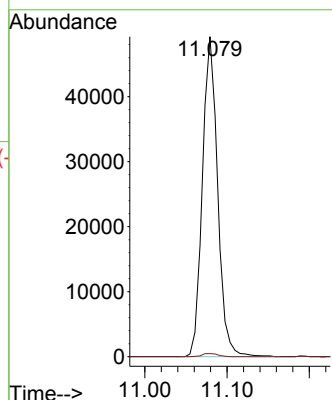
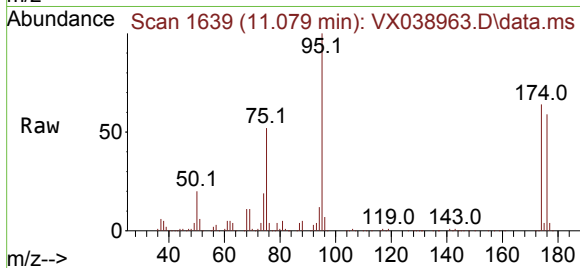
ClientSampleId :

Tgt Ion: 75 Resp: 63302

Ion Ratio Lower Upper

75 100

77 1.0 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 50.938 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX038963.D

Acq: 20 Nov 2023 17:00

Tgt Ion: 75 Resp: 63302

Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#

