

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111623\
 Data File : VX038857.D
 Acq On : 16 Nov 2023 22:50
 Operator : JC/MD
 Sample : 05357-09
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Nov 17 03:21:50 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	129193	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	263552	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	272680	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	135373	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	96580	46.394	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	92.780%
35) Dibromofluoromethane	5.385	113	83555	43.897	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	87.800%
50) Toluene-d8	8.647	98	334953	45.993	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	91.980%#
62) 4-Bromofluorobenzene	11.079	95	144339	49.511	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	99.020%

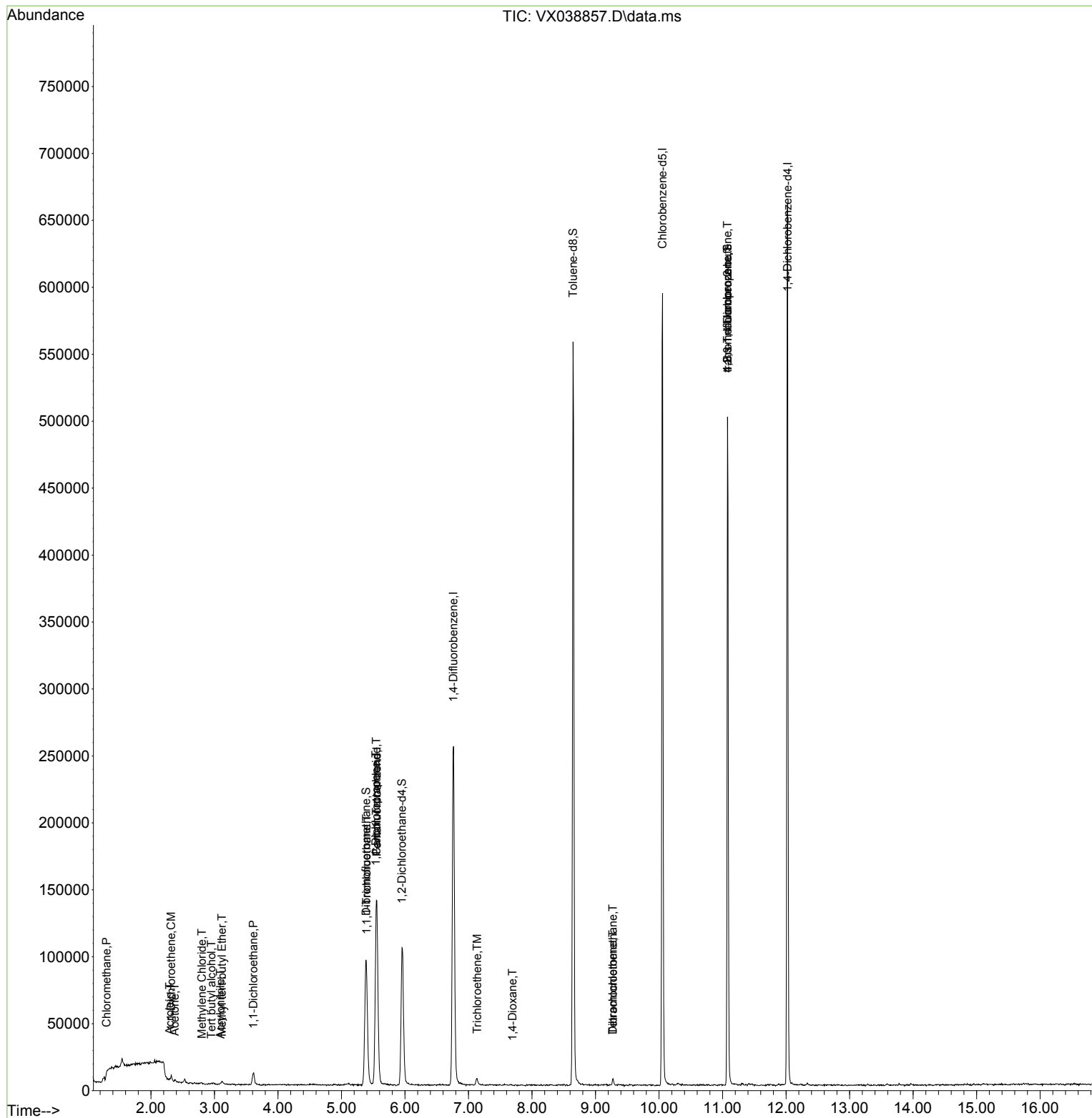
Target Compounds					Qvalue	
3) Chloromethane	1.301	50	643	0.327	ug/l #	74
11) Tert butyl alcohol	2.953	59	377	0.651	ug/l #	75
12) 1,1-Dichloroethene	2.319	96	1366	0.848	ug/l #	76
13) Acrolein	2.294	56	142	0.464	ug/l	94
15) Acrylonitrile	3.093	53	382	0.312	ug/l #	24
16) Acetone	2.374	43	1474	1.330	ug/l #	86
19) Methyl tert-butyl Ether	3.117	73	2431	0.429	ug/l #	83
20) Methylene Chloride	2.800	84	562	0.281	ug/l #	44
24) 1,1-Dichloroethane	3.611	63	9773	2.955	ug/l	98
32) 1,1,1-Trichloroethane	5.397	97	1362	0.487	ug/l #	38
36) 1,1-Dichloropropene	5.544	75	11358	4.163	ug/l #	52
38) Carbon Tetrachloride	5.550	117	14313	5.677	ug/l #	16
44) Trichloroethene	7.135	130	1925	0.980	ug/l	99
49) 1,4-Dioxane	7.690	88	22	0.413	ug/l #	12
60) Dibromochloromethane	9.275	129	762	0.359	ug/l #	11
64) Tetrachloroethene	9.275	164	719	0.424	ug/l	89
76) 1,2,3-Trichloropropane	11.079	75	72158	21.364	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	72158	47.388	ug/l #	5

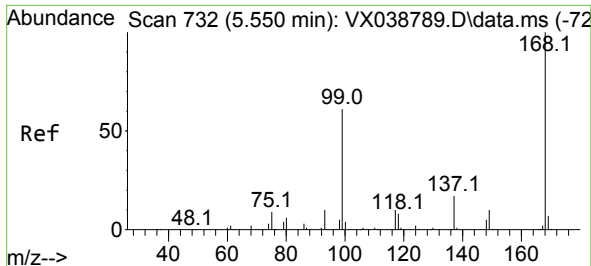
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1
Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.556 min Scan# 71

Delta R.T. 0.006 min

Lab File: VX038857.D

Acq: 16 Nov 2023 22:50

Instrument :

MSVOA_X

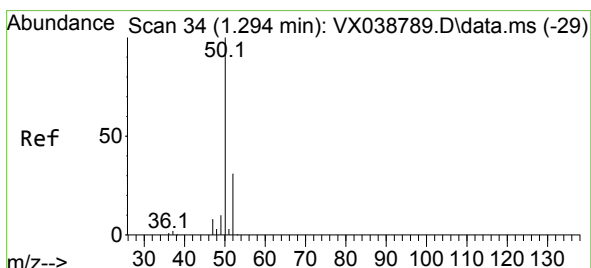
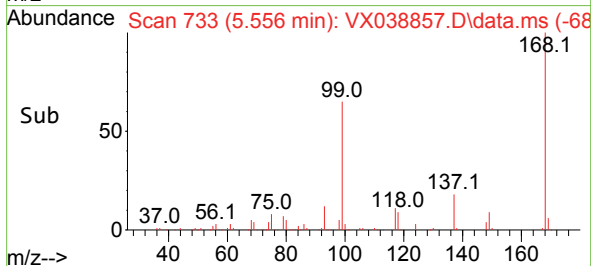
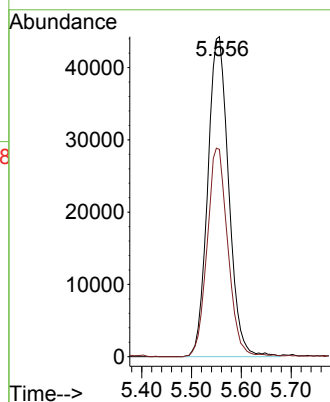
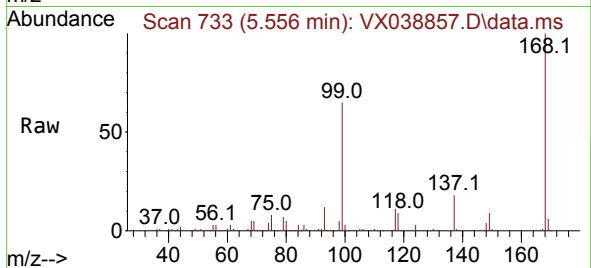
ClientSampleId :

Tgt Ion:168 Resp: 129193

Ion Ratio Lower Upper

168 100

99 64.8 56.6 85.0



#3

Chloromethane

Concen: 0.327 ug/l

RT: 1.301 min Scan# 35

Delta R.T. 0.007 min

Lab File: VX038857.D

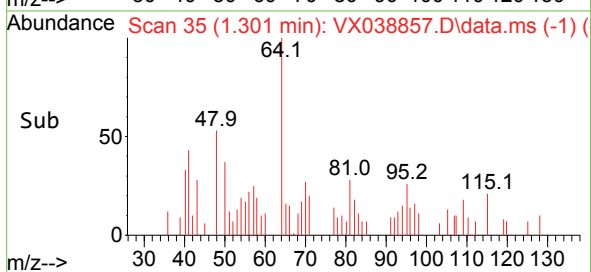
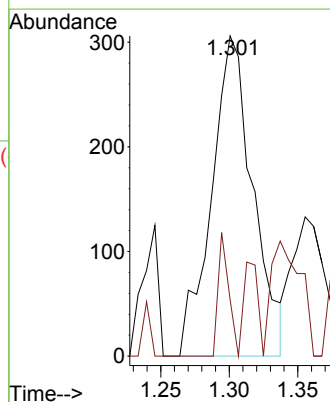
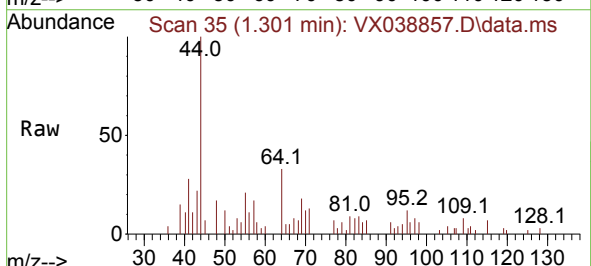
Acq: 16 Nov 2023 22:50

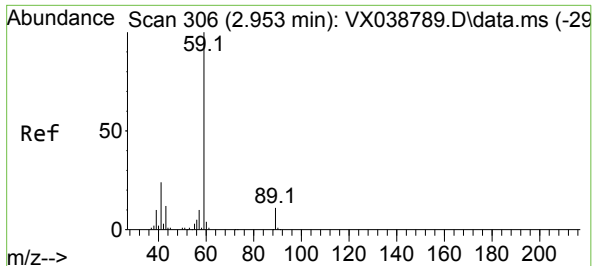
Tgt Ion: 50 Resp: 643

Ion Ratio Lower Upper

50 100

52 17.6 25.5 38.3#





#11

Tert butyl alcohol

Concen: 0.651 ug/l

RT: 2.953 min Scan# 306

Delta R.T. 0.000 min

Lab File: VX038857.D

Acq: 16 Nov 2023 22:50

Instrument :

MSVOA_X

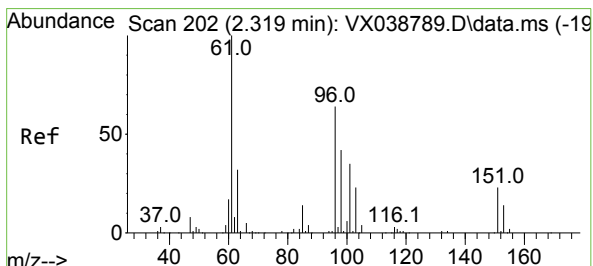
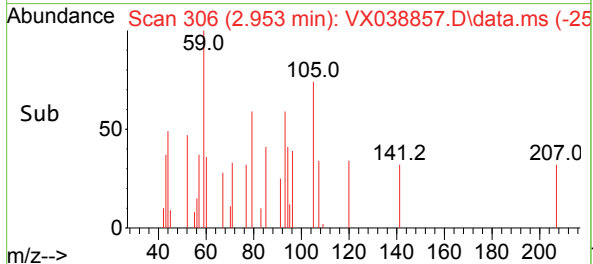
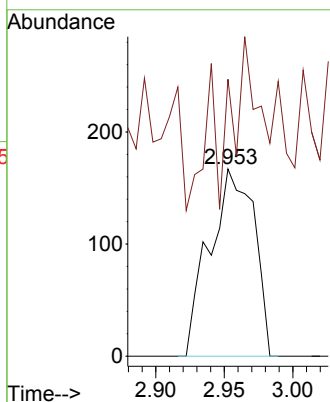
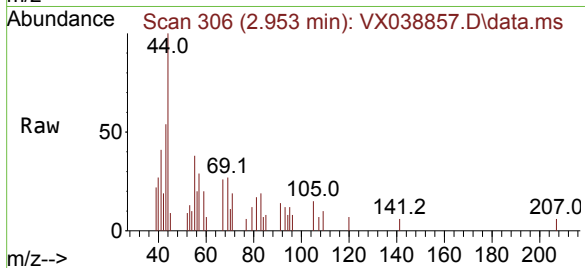
ClientSampleId :

Tgt Ion: 59 Resp: 377

Ion Ratio Lower Upper

59 100

57 16.2 6.0 9.0#



#12

1,1-Dichloroethene

Concen: 0.848 ug/l

RT: 2.319 min Scan# 202

Delta R.T. 0.000 min

Lab File: VX038857.D

Acq: 16 Nov 2023 22:50

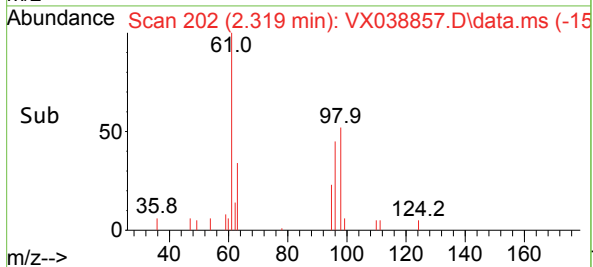
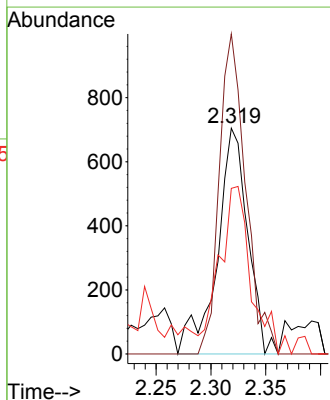
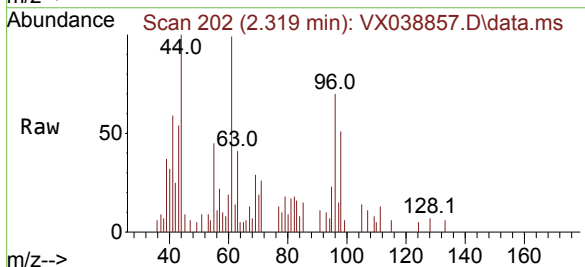
Tgt Ion: 96 Resp: 1366

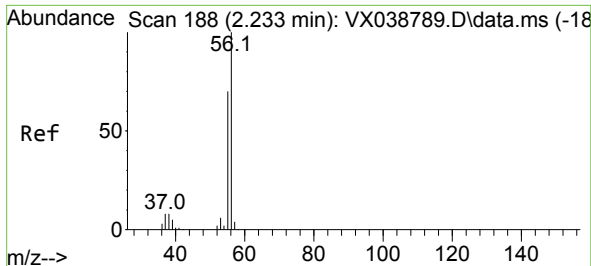
Ion Ratio Lower Upper

96 100

61 141.7 144.6 216.8#

98 73.3 50.4 75.6





#13

Acrolein

Concen: 0.464 ug/l

RT: 2.294 min Scan# 198

Delta R.T. 0.061 min

Lab File: VX038857.D

Acq: 16 Nov 2023 22:50

Instrument :

MSVOA_X

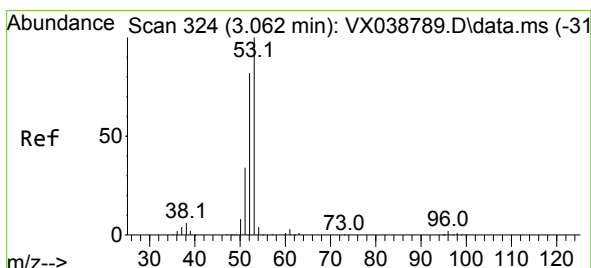
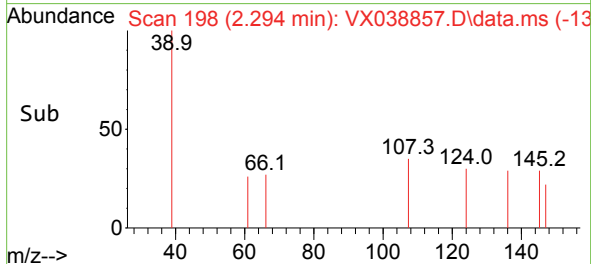
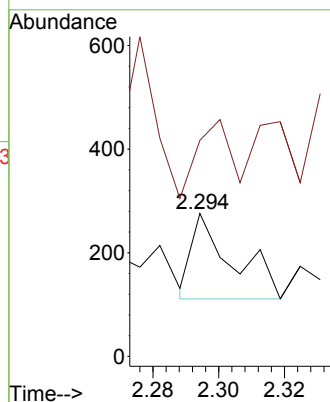
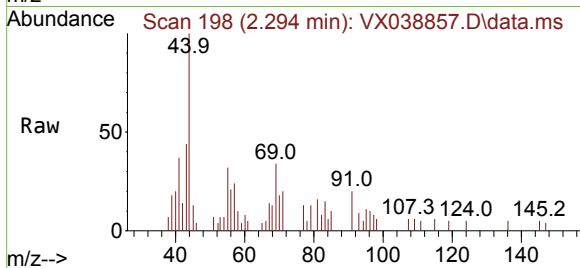
ClientSampleId :

Tgt Ion: 56 Resp: 142

Ion Ratio Lower Upper

56 100

55 76.1 57.1 85.7



#15

Acrylonitrile

Concen: 0.312 ug/l

RT: 3.093 min Scan# 329

Delta R.T. 0.031 min

Lab File: VX038857.D

Acq: 16 Nov 2023 22:50

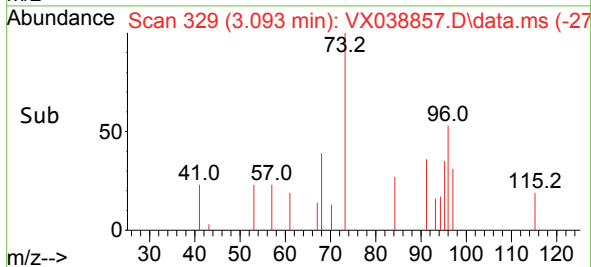
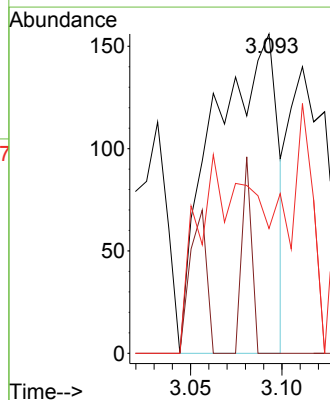
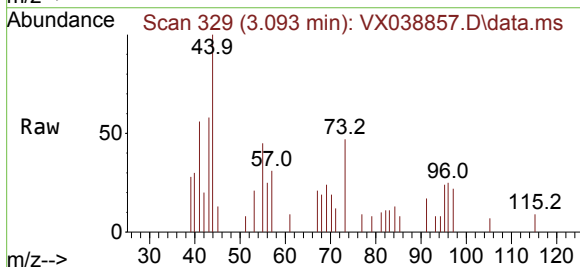
Tgt Ion: 53 Resp: 382

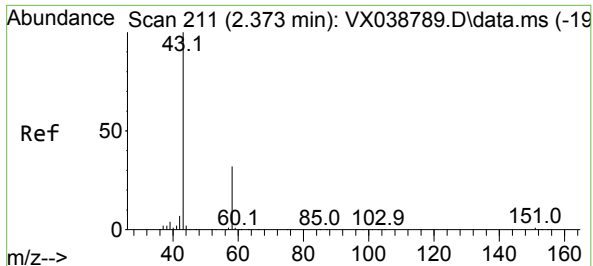
Ion Ratio Lower Upper

53 100

52 9.2 66.0 99.0#

51 0.0 29.8 44.6#

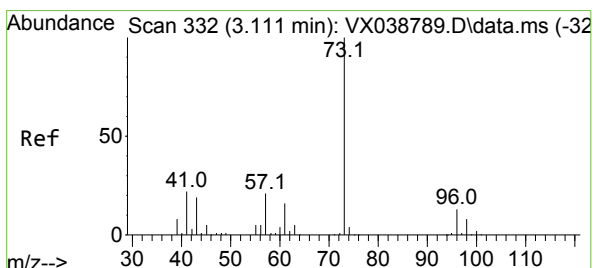
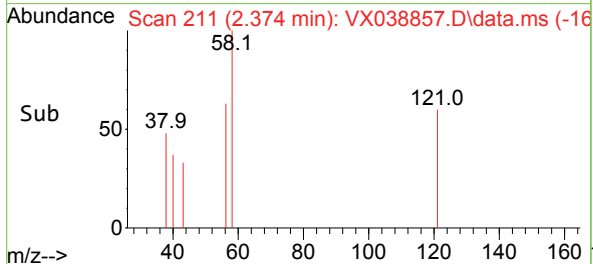
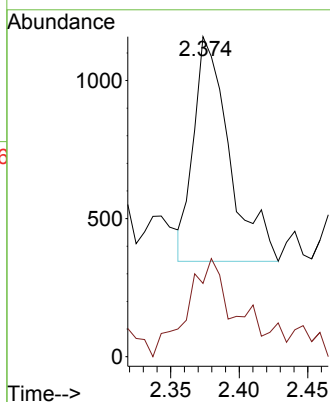
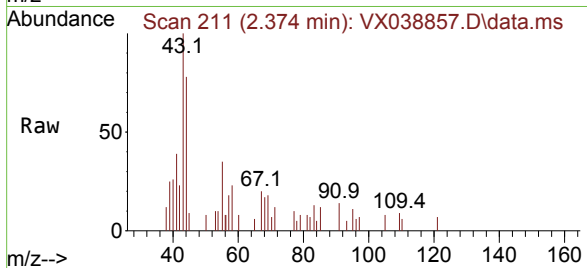




#16
Acetone
Concen: 1.330 ug/l
RT: 2.374 min Scan# 211
Delta R.T. 0.000 min
Lab File: VX038857.D
Acq: 16 Nov 2023 22:50

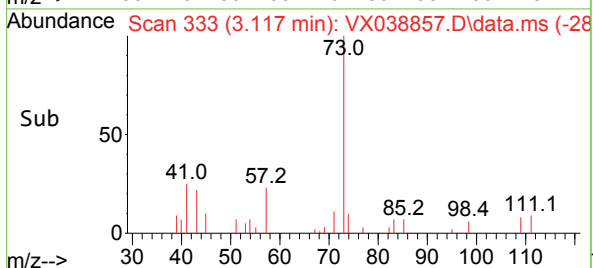
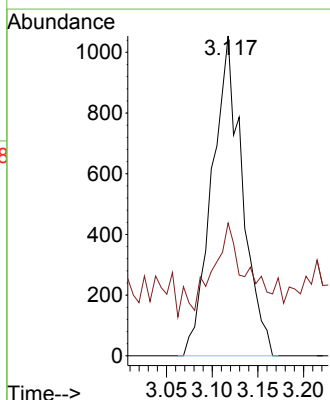
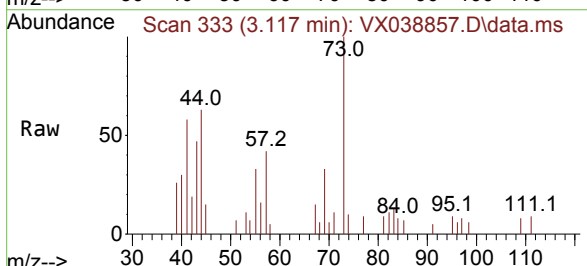
Instrument :
MSVOA_X
ClientSampleId :

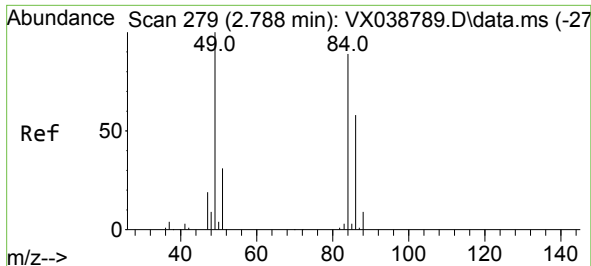
Tgt Ion: 43 Resp: 1474
Ion Ratio Lower Upper
43 100
58 20.3 21.9 32.9#



#19
Methyl tert-butyl Ether
Concen: 0.429 ug/l
RT: 3.117 min Scan# 333
Delta R.T. 0.006 min
Lab File: VX038857.D
Acq: 16 Nov 2023 22:50

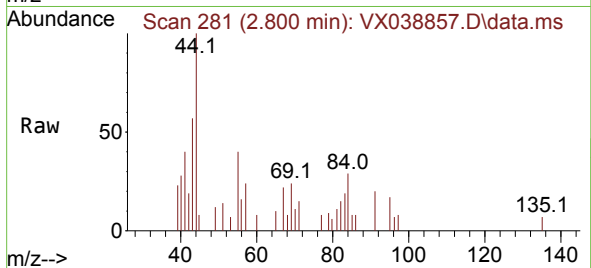
Tgt Ion: 73 Resp: 2431
Ion Ratio Lower Upper
73 100
57 29.4 17.3 25.9#





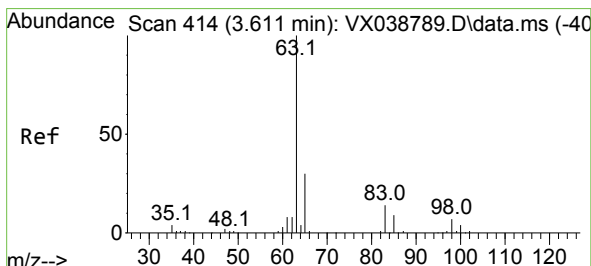
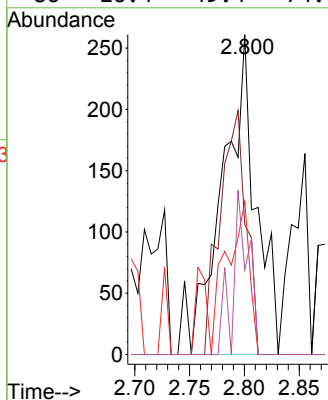
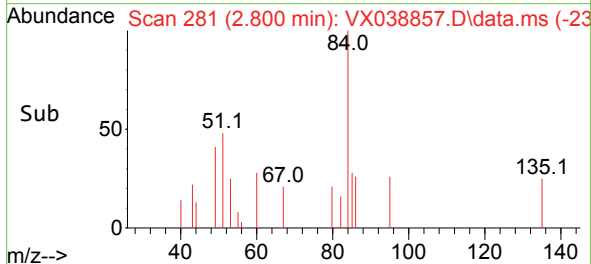
#20
Methylene Chloride
Concen: 0.281 ug/l
RT: 2.800 min Scan# 21
Delta R.T. 0.012 min
Lab File: VX038857.D
Acq: 16 Nov 2023 22:50

Instrument :
MSVOA_X
ClientSampleId :

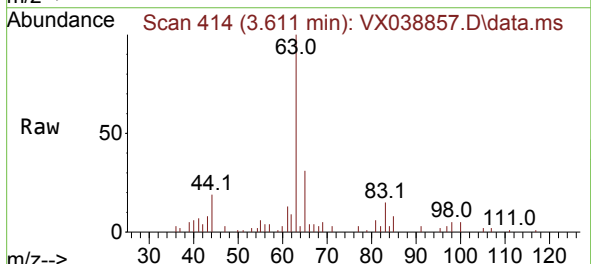


Tgt Ion: 84 Resp: 562

Ion	Ratio	Lower	Upper
84	100		
49	40.6	103.6	155.4#
51	47.9	33.8	50.6
86	26.4	49.4	74.0#

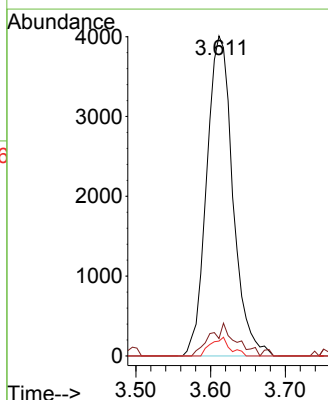
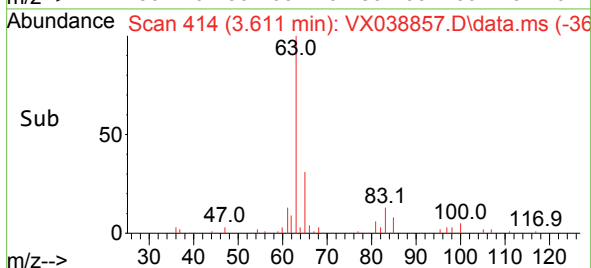


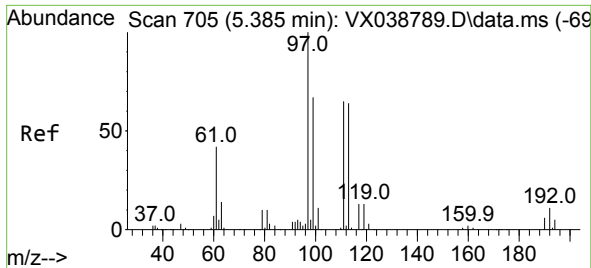
#24
1,1-Dichloroethane
Concen: 2.955 ug/l
RT: 3.611 min Scan# 414
Delta R.T. 0.000 min
Lab File: VX038857.D
Acq: 16 Nov 2023 22:50



Tgt Ion: 63 Resp: 9773

Ion	Ratio	Lower	Upper
63	100		
98	5.4	3.3	9.8
100	4.6	2.1	6.5

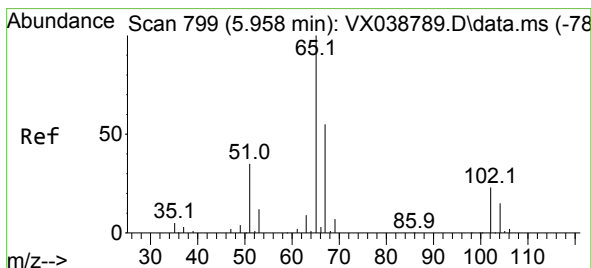
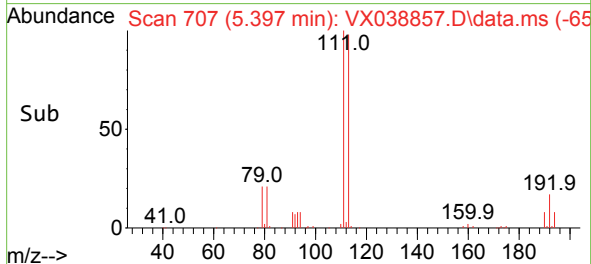
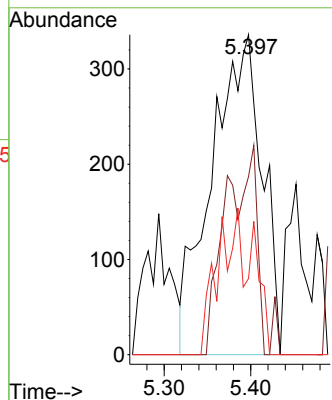
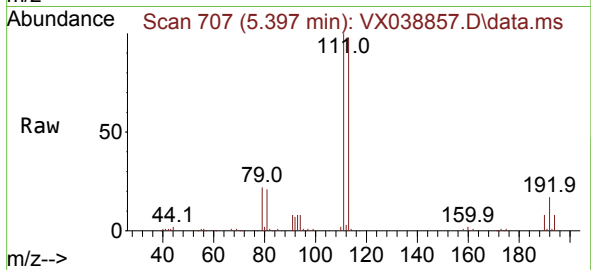




#32
 1,1,1-Trichloroethane
 Concen: 0.487 ug/l
 RT: 5.397 min Scan# 705
 Delta R.T. 0.012 min
 Lab File: VX038857.D
 Acq: 16 Nov 2023 22:50

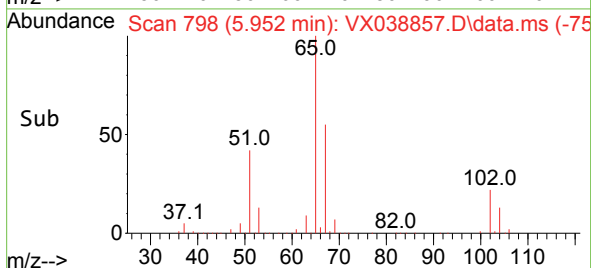
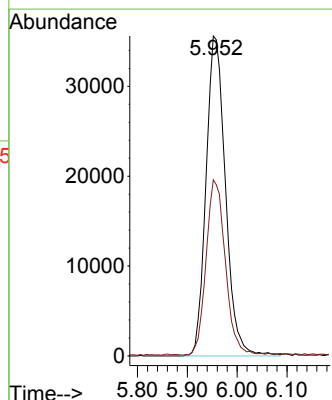
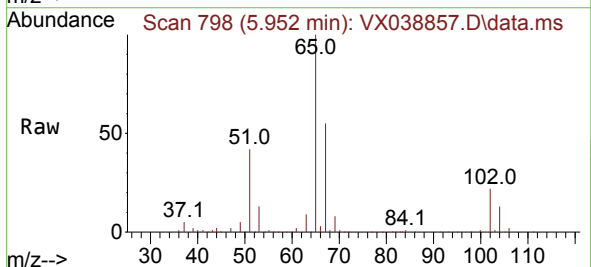
Instrument :
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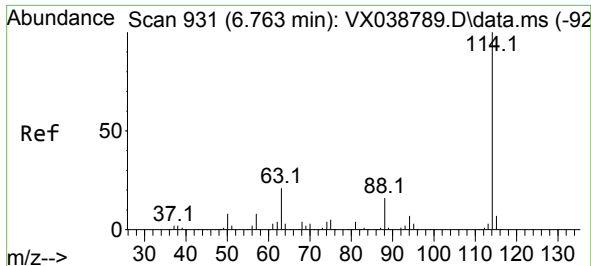
Tgt Ion: 97 Resp: 1362
 Ion Ratio Lower Upper
 97 100
 99 0.0 51.1 76.7#
 61 23.2 36.4 54.6#



#33
 1,2-Dichloroethane-d4
 Concen: 46.394 ug/l
 RT: 5.952 min Scan# 798
 Delta R.T. -0.006 min
 Lab File: VX038857.D
 Acq: 16 Nov 2023 22:50

Tgt Ion: 65 Resp: 96580
 Ion Ratio Lower Upper
 65 100
 67 54.2 0.0 100.2

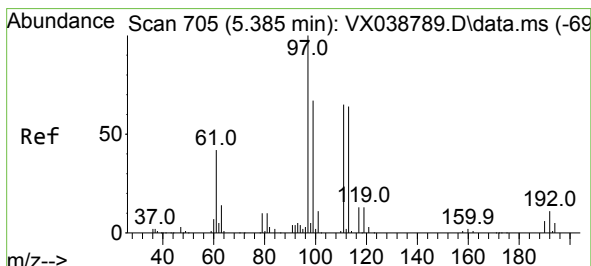
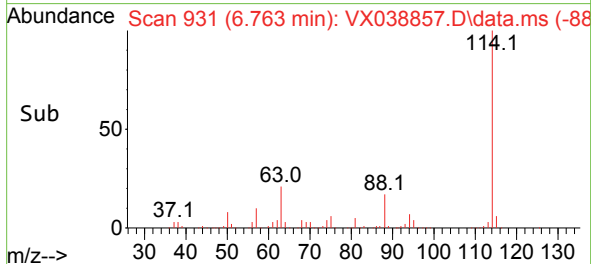
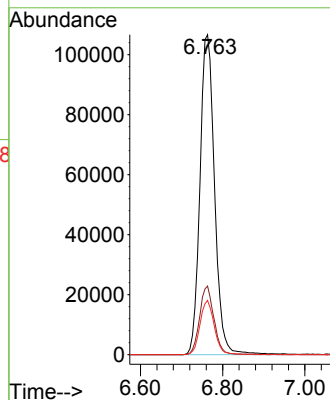
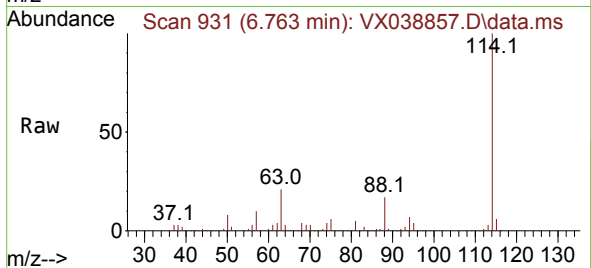




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX038857.D
Acq: 16 Nov 2023 22:50

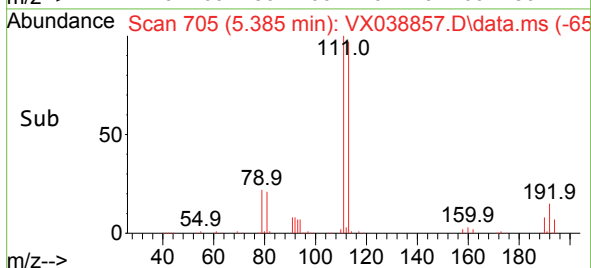
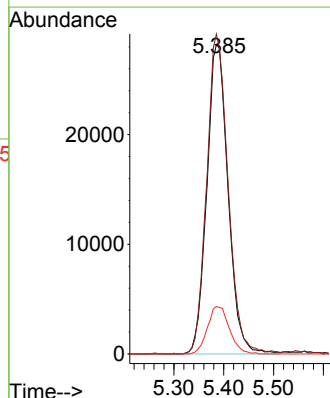
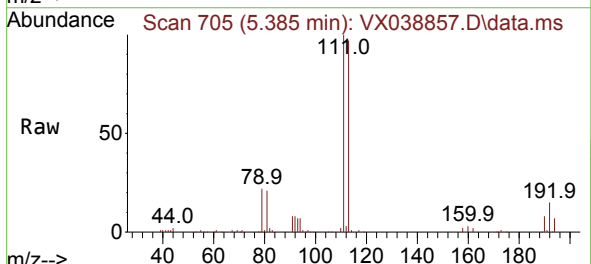
Instrument :
MSVOA_X
ClientSampleId :

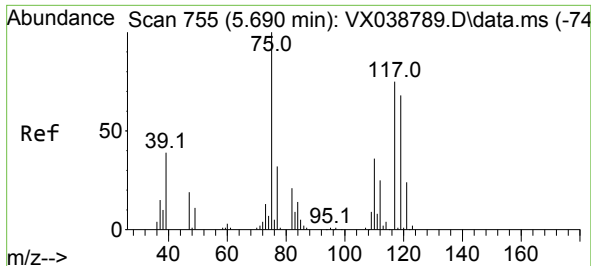
Tgt Ion:114 Resp: 263552
Ion Ratio Lower Upper
114 100
63 21.4 0.0 45.0
88 17.0 0.0 36.6



#35
Dibromofluoromethane
Concen: 43.897 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX038857.D
Acq: 16 Nov 2023 22:50

Tgt Ion:113 Resp: 83555
Ion Ratio Lower Upper
113 100
111 103.9 82.9 124.3
192 15.8 13.3 19.9

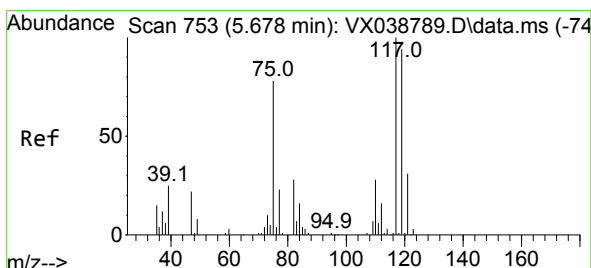
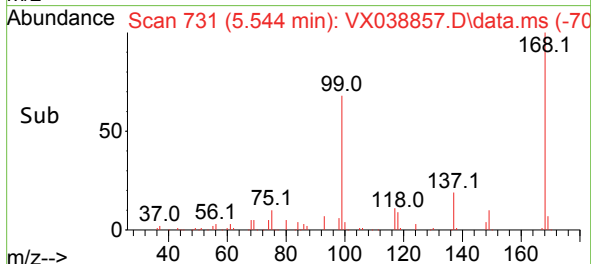
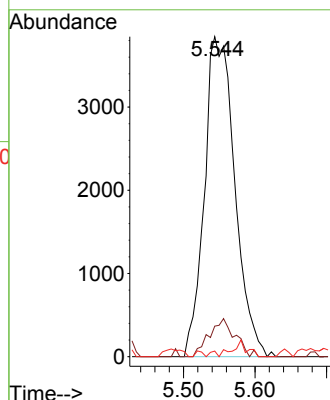
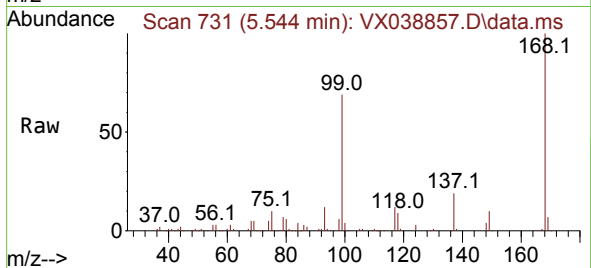




#36
1,1-Dichloropropene
Concen: 4.163 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX038857.D
Acq: 16 Nov 2023 22:50

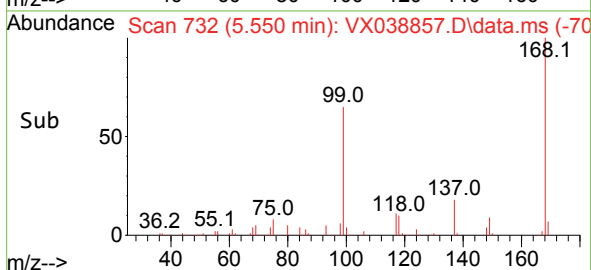
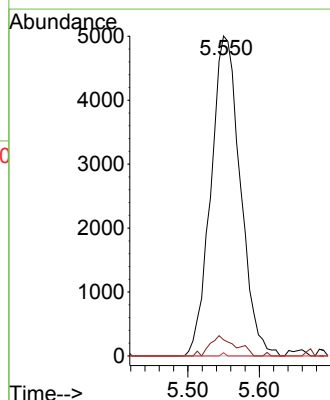
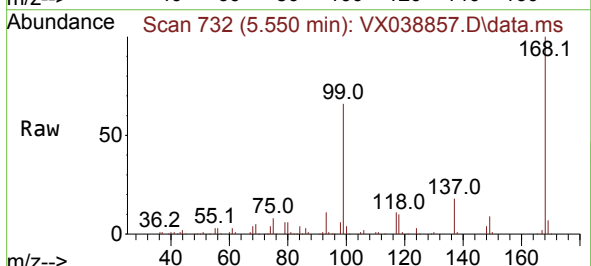
Instrument :
MSVOA_X
ClientSampleId :

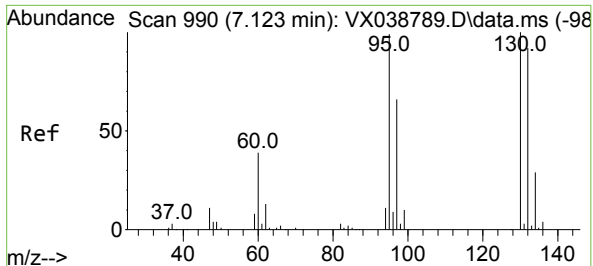
Tgt Ion: 75 Resp: 11358
Ion Ratio Lower Upper
75 100
110 10.1 17.0 50.9#
77 0.4 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 5.677 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.128 min
Lab File: VX038857.D
Acq: 16 Nov 2023 22:50

Tgt Ion: 117 Resp: 14313
Ion Ratio Lower Upper
117 100
119 5.1 78.2 117.2#
121 1.0 24.4 36.6#

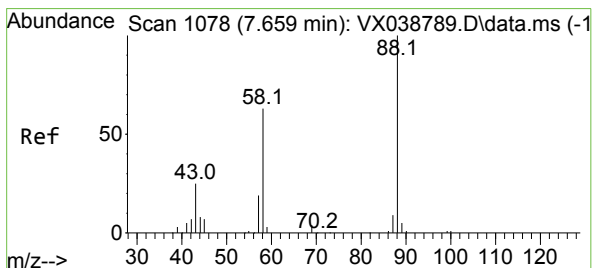
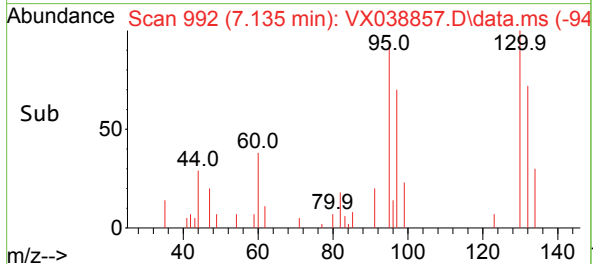
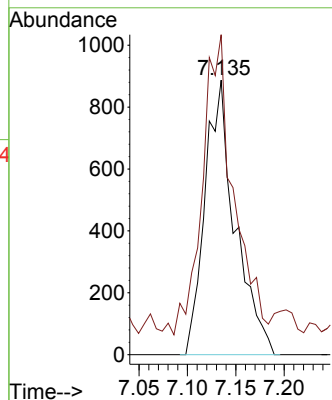
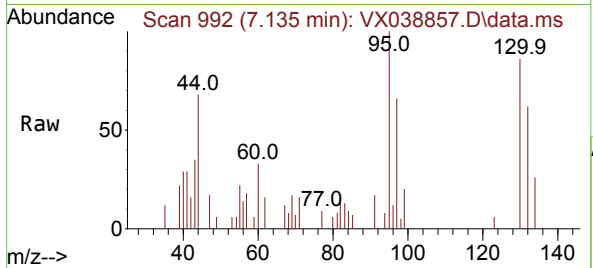




#44
Trichloroethene
Concen: 0.980 ug/l
RT: 7.135 min Scan# 990
Delta R.T. 0.012 min
Lab File: VX038857.D
Acq: 16 Nov 2023 22:50

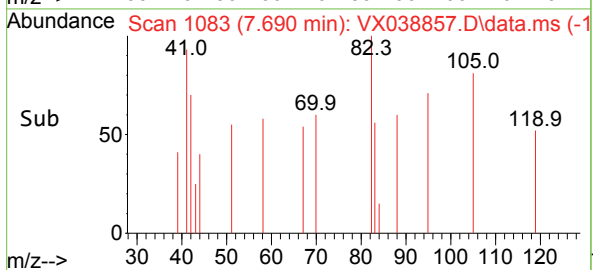
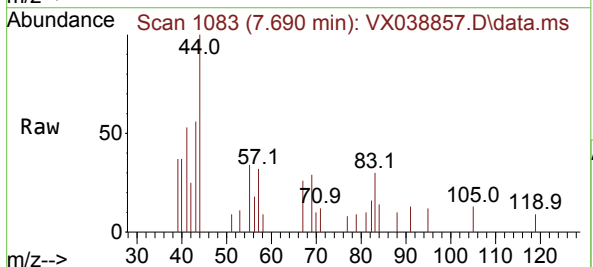
Instrument :
MSVOA_X
ClientSampleId :

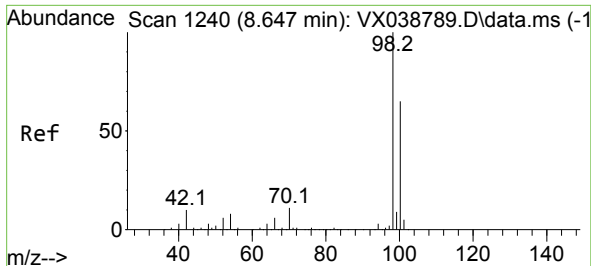
Tgt Ion:130 Resp: 1925
Ion Ratio Lower Upper
130 100
95 100.8 0.0 204.4



#49
1,4-Dioxane
Concen: 0.413 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. 0.031 min
Lab File: VX038857.D
Acq: 16 Nov 2023 22:50

Tgt Ion: 88 Resp: 22
Ion Ratio Lower Upper
88 100
43 863.6 0.0 0.0#
58 0.0 60.1 90.1#

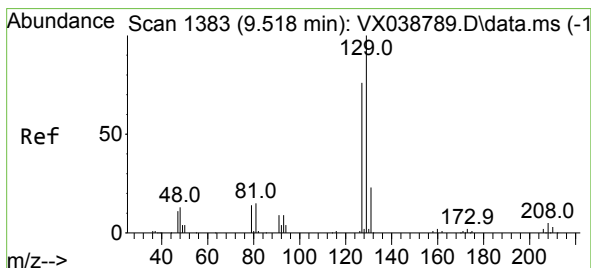
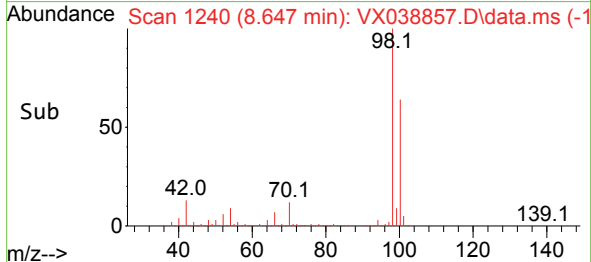
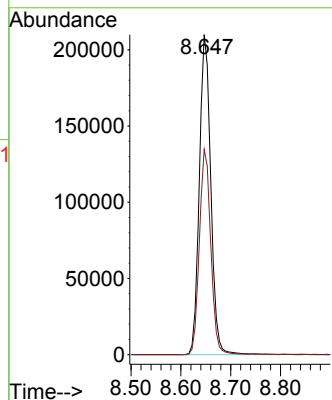
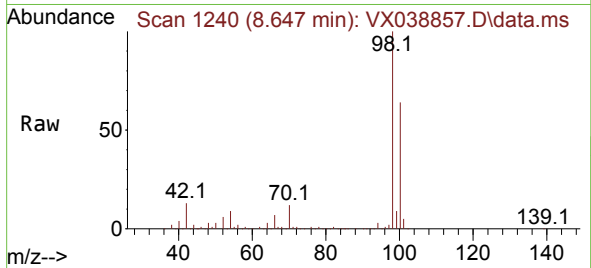




#50
Toluene-d8
Concen: 45.993 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX038857.D
Acq: 16 Nov 2023 22:50

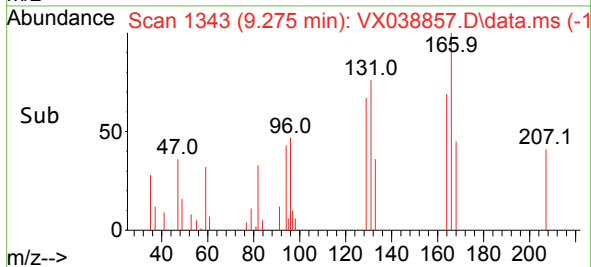
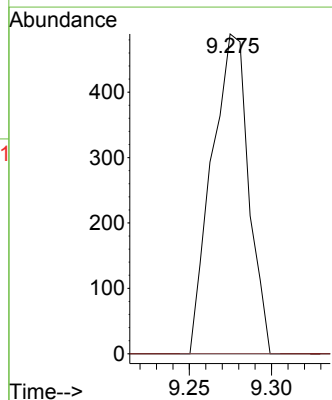
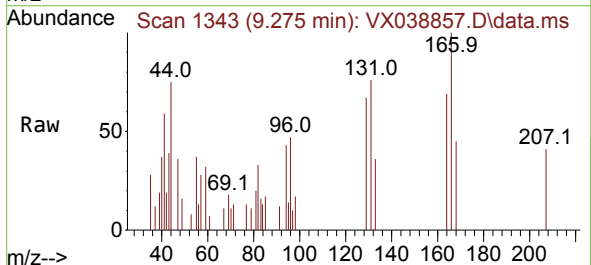
Instrument :
MSVOA_X
ClientSampleId :

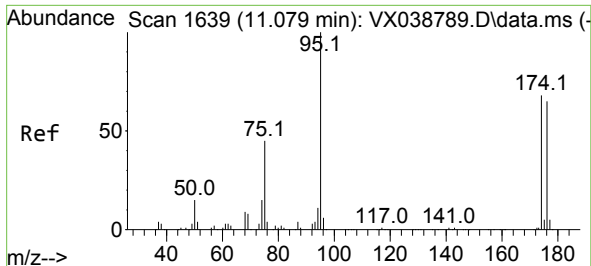
Tgt Ion: 98 Resp: 334953
Ion Ratio Lower Upper
98 100
100 63.8 53.1 79.7



#60
Dibromochloromethane
Concen: 0.359 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.244 min
Lab File: VX038857.D
Acq: 16 Nov 2023 22:50

Tgt Ion:129 Resp: 762
Ion Ratio Lower Upper
129 100
127 0.0 38.8 116.4#

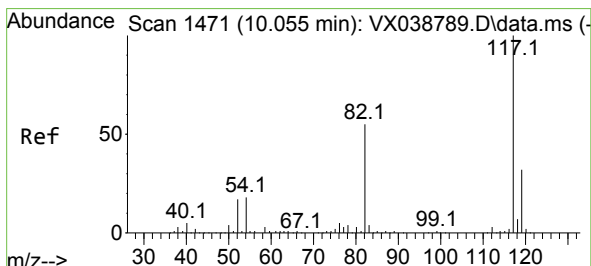
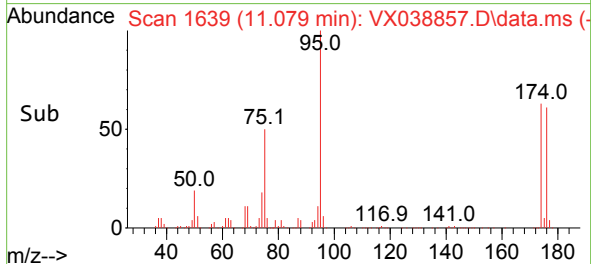
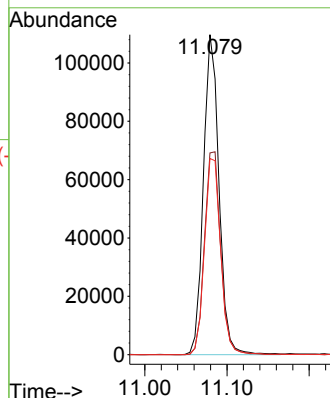
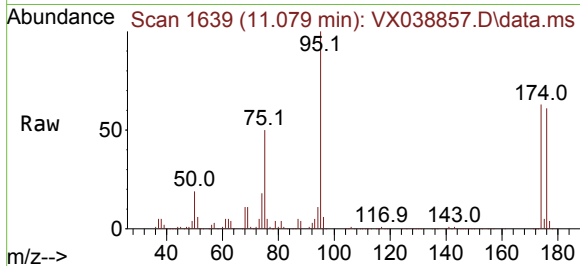




#62
4-Bromofluorobenzene
Concen: 49.511 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX038857.D
Acq: 16 Nov 2023 22:50

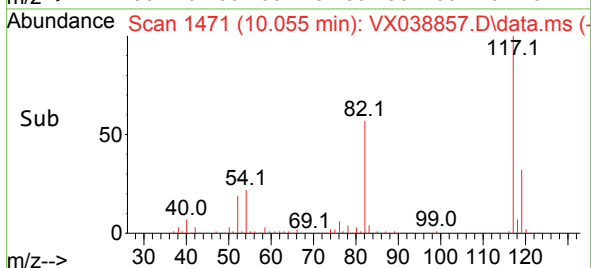
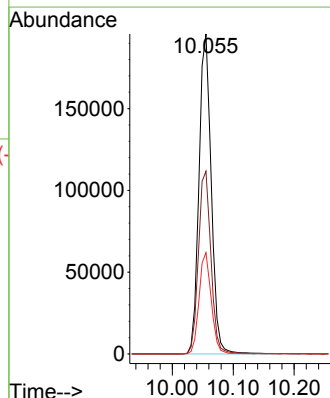
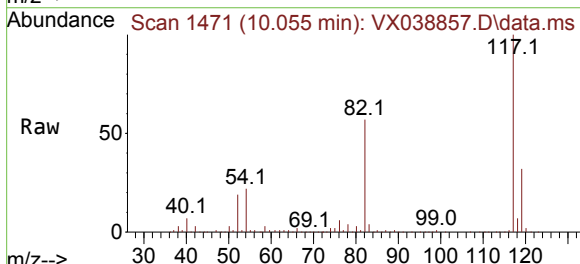
Instrument :
MSVOA_X
ClientSampleId :

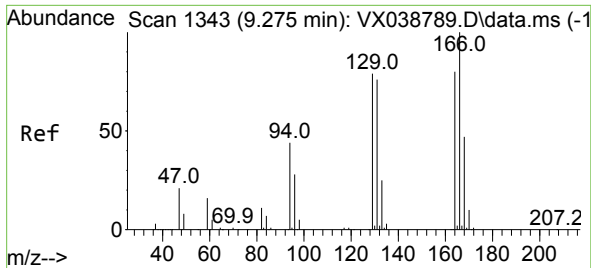
Tgt Ion: 95 Resp: 144339
Ion Ratio Lower Upper
95 100
174 66.1 0.0 135.6
176 64.0 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX038857.D
Acq: 16 Nov 2023 22:50

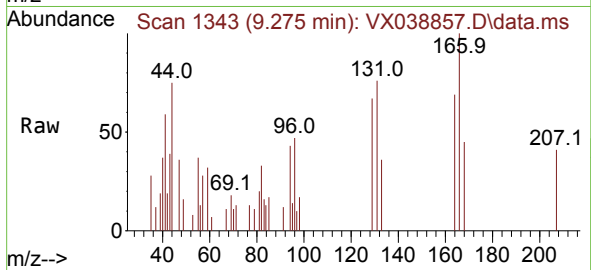
Tgt Ion: 117 Resp: 272680
Ion Ratio Lower Upper
117 100
82 57.1 46.2 69.4
119 31.6 25.5 38.3



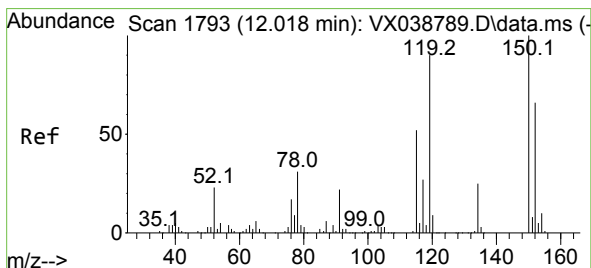
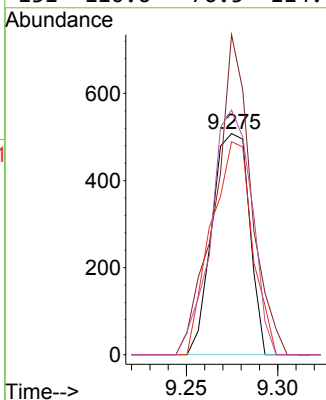
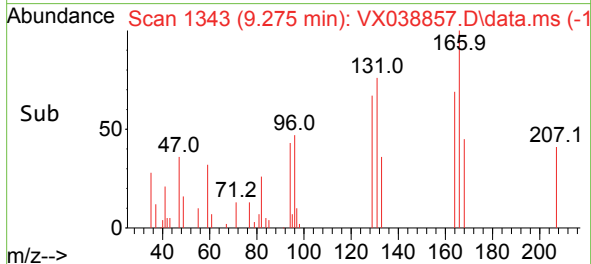


#64
Tetrachloroethene
Concen: 0.424 ug/l
RT: 9.275 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX038857.D
Acq: 16 Nov 2023 22:50

Instrument :
MSVOA_X
ClientSampleId :

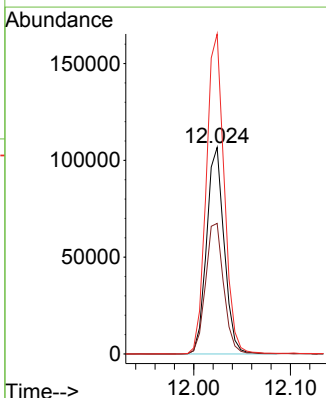
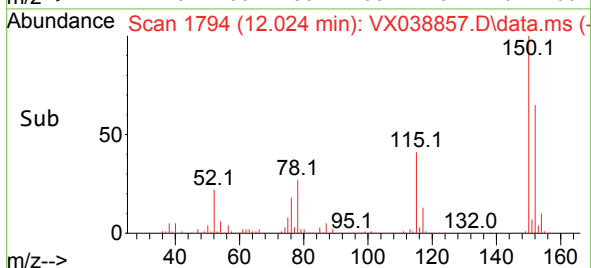
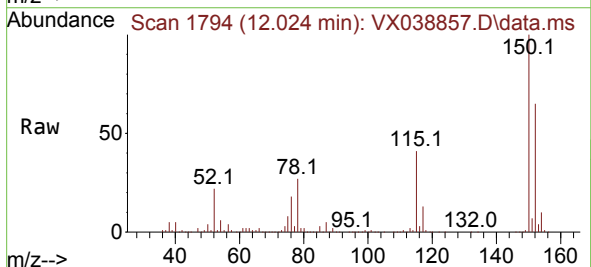


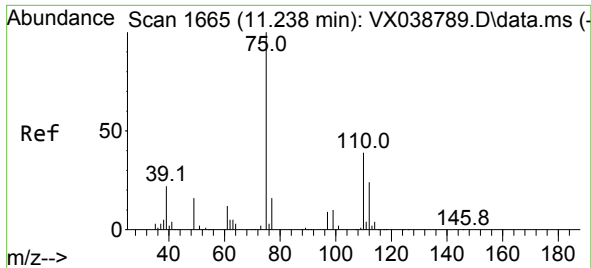
Tgt Ion:	164	Resp:	719
Ion	Ratio	Lower	Upper
164	100		
166	144.7	102.7	154.1
129	96.3	80.4	120.6
131	110.6	76.5	114.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.006 min
Lab File: VX038857.D
Acq: 16 Nov 2023 22:50

Tgt Ion:	152	Resp:	135373
Ion	Ratio	Lower	Upper
152	100		
115	65.4	43.3	129.9
150	157.6	0.0	345.0

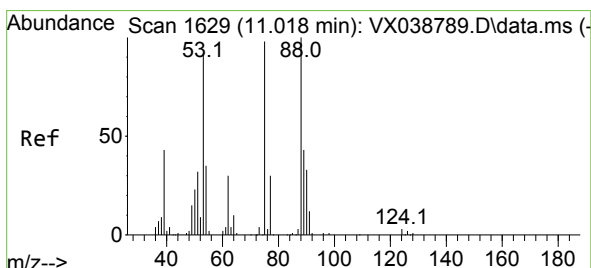
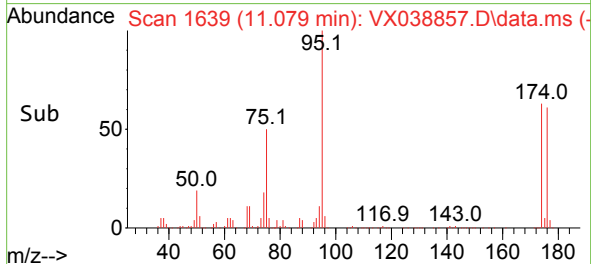
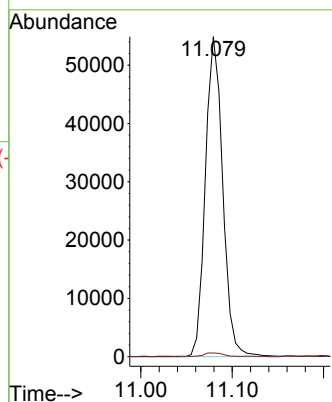
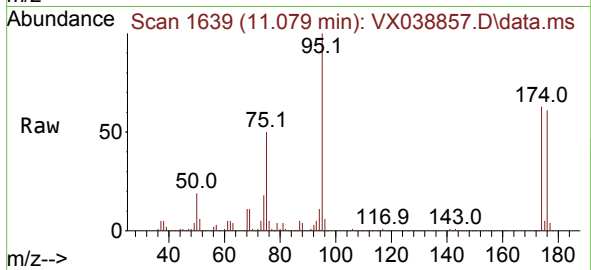




#76
1,2,3-Trichloropropane
Concen: 21.364 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX038857.D
Acq: 16 Nov 2023 22:50

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 75 Resp: 72158
Ion Ratio Lower Upper
75 100
77 1.4 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 47.388 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX038857.D
Acq: 16 Nov 2023 22:50

Tgt Ion: 75 Resp: 72158
Ion Ratio Lower Upper
75 100
53 0.2 90.5 135.7#
89 0.0 36.9 55.3#

