

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111623\
 Data File : VX038850.D
 Acq On : 16 Nov 2023 20:08
 Operator : JC/MD
 Sample : 05363-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Nov 16 23:07:35 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)

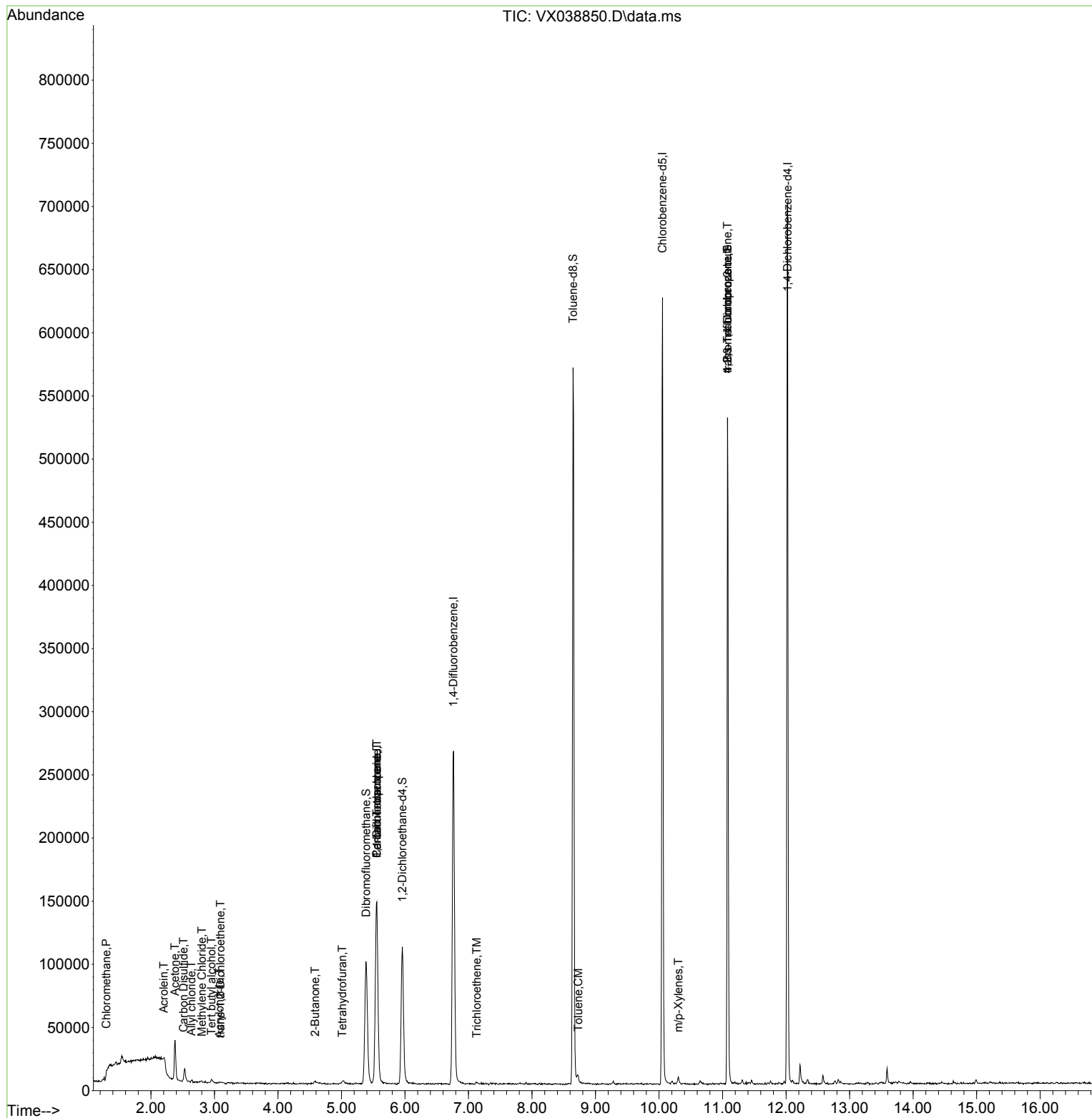
Internal Standards						
1) Pentafluorobenzene	5.556	168	133376	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	274355	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	280277	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	142757	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	98949	46.041	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	92.080%
35) Dibromofluoromethane	5.385	113	87125	43.970	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	87.940%
50) Toluene-d8	8.647	98	342609	45.192	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	90.380%#
62) 4-Bromofluorobenzene	11.079	95	150449	49.575	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	99.140%
Target Compounds						
					Qvalue	
3) Chloromethane	1.294	50	577	0.284	ug/l	91
11) Tert butyl alcohol	2.953	59	3171	5.305	ug/l #	76
13) Acrolein	2.203	56	400	1.265	ug/l #	14
14) Allyl chloride	2.636	41	922	0.277	ug/l #	59
15) Acrylonitrile	3.081	53	304	0.241	ug/l #	62
16) Acetone	2.379	43	32557	28.457	ug/l	90
17) Carbon Disulfide	2.514	76	1072	0.208	ug/l #	77
20) Methylene Chloride	2.800	84	886	0.430	ug/l #	67
21) trans-1,2-Dichloroethene	3.093	96	391	0.213	ug/l #	73
25) 2-Butanone	4.586	43	2667	1.438	ug/l #	84
29) Tetrahydrofuran	5.013	42	3135	2.661	ug/l #	68
36) 1,1-Dichloropropene	5.556	75	11858	4.176	ug/l #	54
38) Carbon Tetrachloride	5.556	117	14549	5.543	ug/l #	15
44) Trichloroethene	7.129	130	520	0.254	ug/l	89
52) Toluene	8.726	92	2353	0.451	ug/l	98
68) m/p-Xylenes	10.305	106	1107	0.264	ug/l	80
76) 1,2,3-Trichloropropane	11.079	75	75551	21.212	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	75551	47.050	ug/l #	5

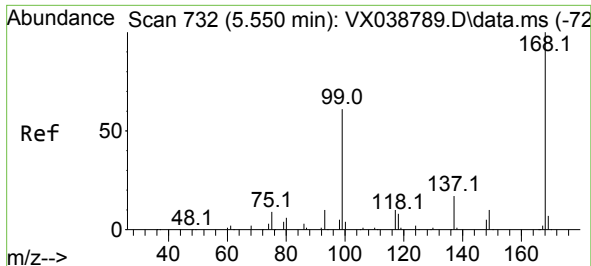
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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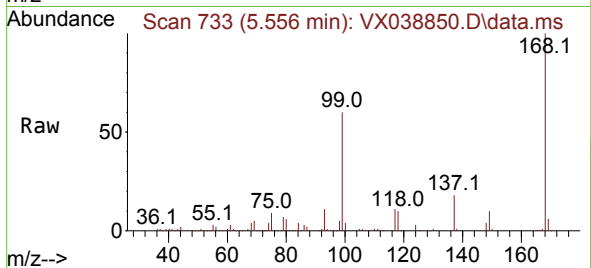
Quant Time: Nov 16 23:07:35 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X111623W.M
Quant Title : SW846 8260
QLast Update : Thu Nov 16 22:59:22 2023
Response via : Initial Calibration



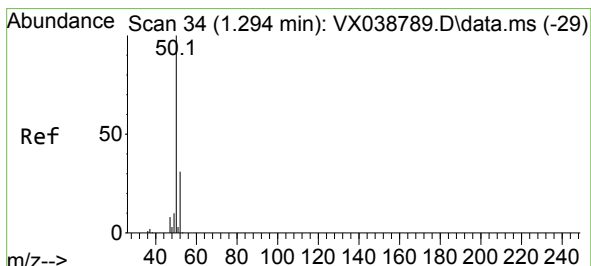
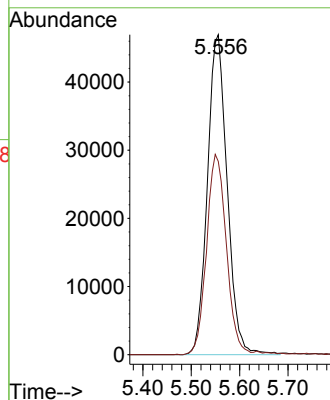
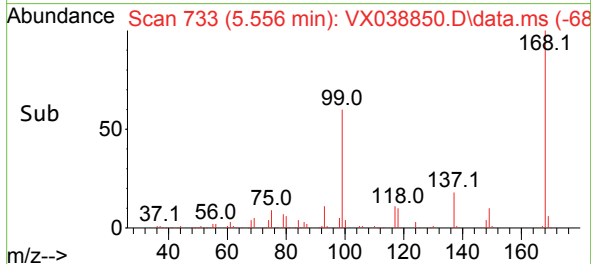


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX038850.D
Acq: 16 Nov 2023 20:08

Instrument :
MSVOA_X
ClientSampleId :

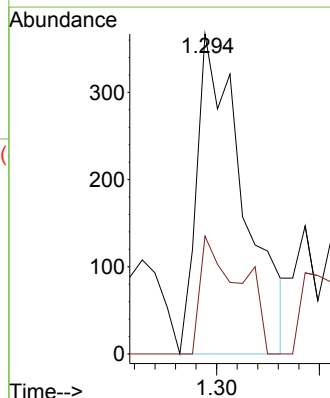
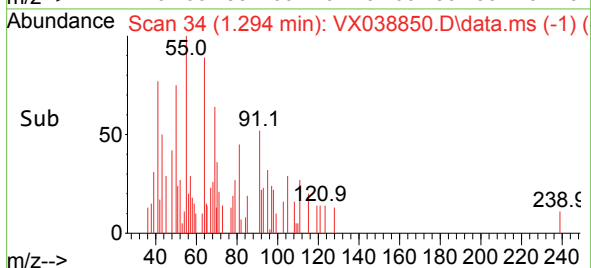
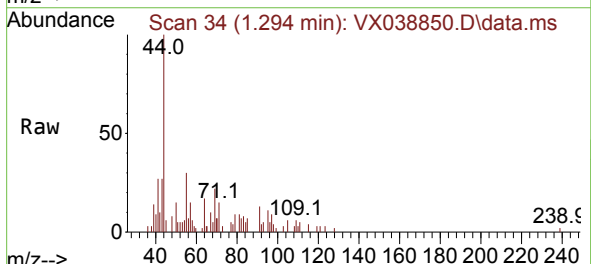


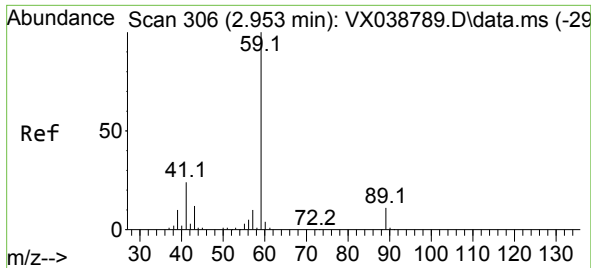
Tgt Ion:168 Resp: 133376
Ion Ratio Lower Upper
168 100
99 60.4 56.6 85.0



#3
Chloromethane
Concen: 0.284 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX038850.D
Acq: 16 Nov 2023 20:08

Tgt Ion: 50 Resp: 577
Ion Ratio Lower Upper
50 100
52 36.8 25.5 38.3

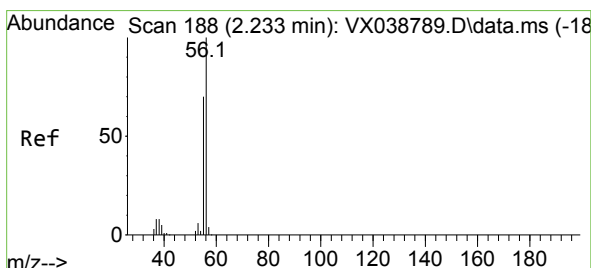
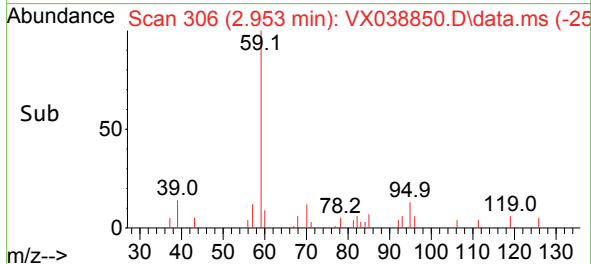
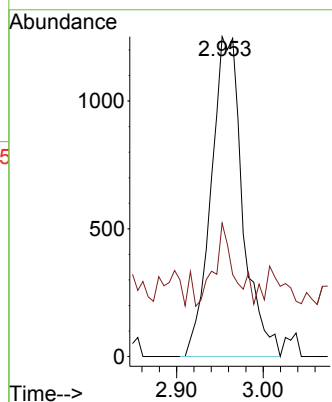
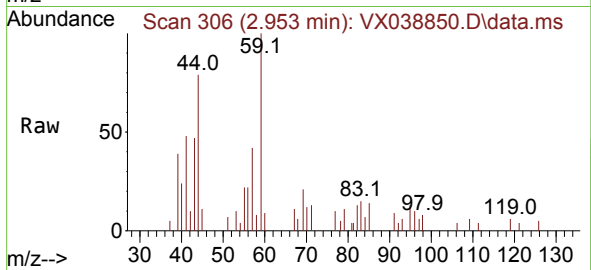




#11
Tert butyl alcohol
Concen: 5.305 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.000 min
Lab File: VX038850.D
Acq: 16 Nov 2023 20:08

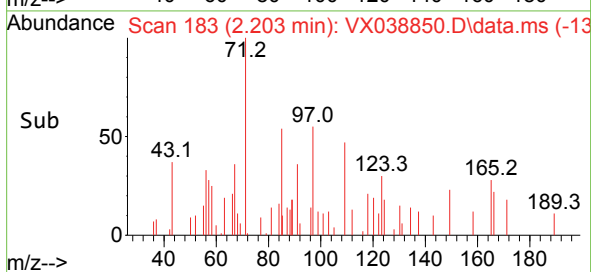
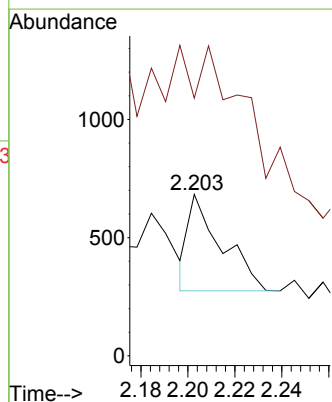
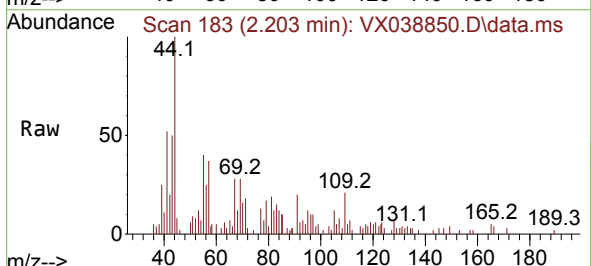
Instrument :
MSVOA_X
ClientSampleId :

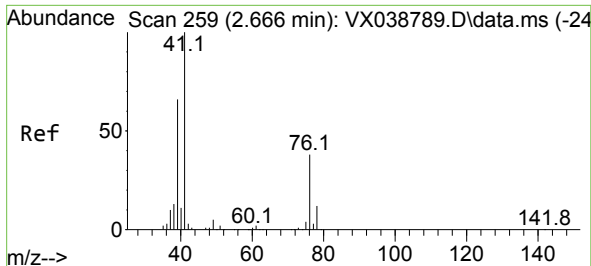
Tgt Ion: 59 Resp: 3171
Ion Ratio Lower Upper
59 100
57 15.9 6.0 9.0#



#13
Acrolein
Concen: 1.265 ug/l
RT: 2.203 min Scan# 183
Delta R.T. -0.031 min
Lab File: VX038850.D
Acq: 16 Nov 2023 20:08

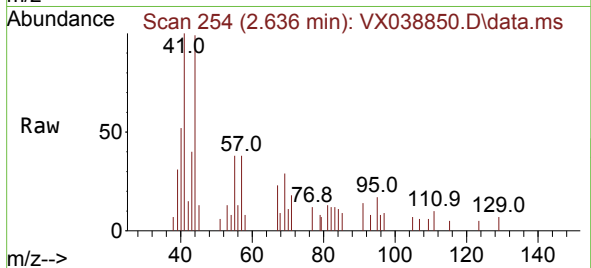
Tgt Ion: 56 Resp: 400
Ion Ratio Lower Upper
56 100
55 0.0 57.1 85.7#



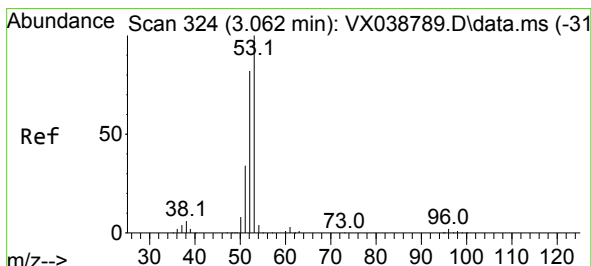
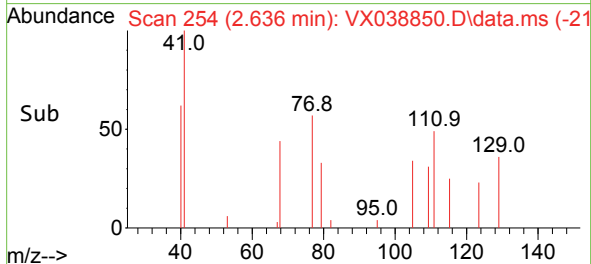
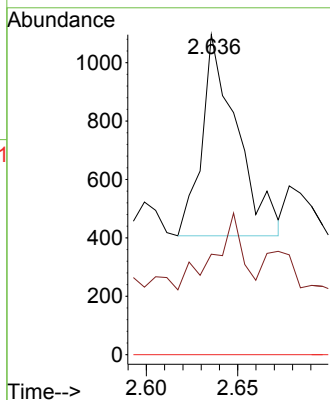


#14
 Allyl chloride
 Concen: 0.277 ug/l
 RT: 2.636 min Scan# 21
 Delta R.T. -0.031 min
 Lab File: VX038850.D
 Acq: 16 Nov 2023 20:08

Instrument :
 MSVOA_X
 ClientSampleId :

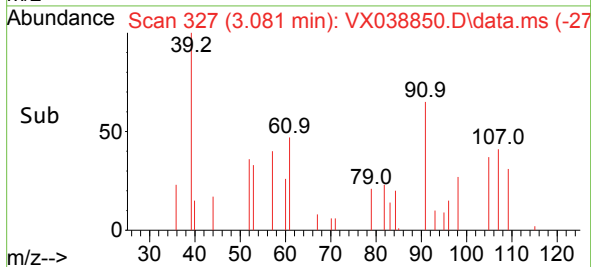
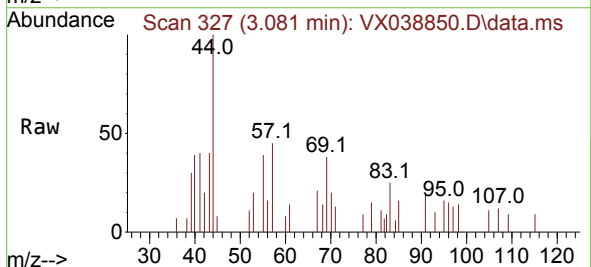
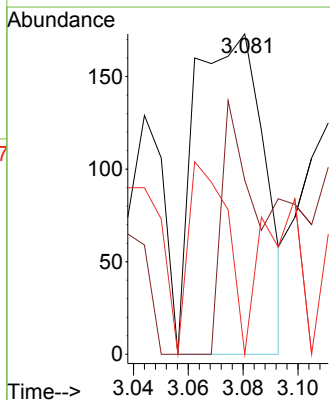


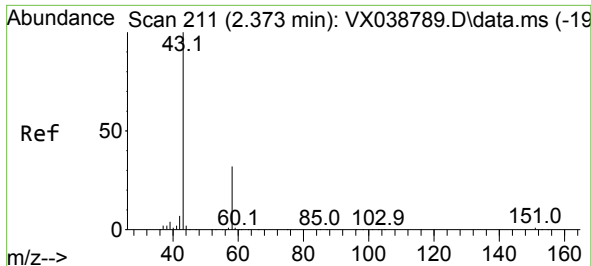
Tgt Ion:	41	Resp:	922
Ion	Ratio	Lower	Upper
41	100		
39	40.9	55.8	83.6#
76	0.0	24.3	36.5#



#15
 Acrylonitrile
 Concen: 0.241 ug/l
 RT: 3.081 min Scan# 327
 Delta R.T. 0.018 min
 Lab File: VX038850.D
 Acq: 16 Nov 2023 20:08

Tgt Ion:	53	Resp:	304
Ion	Ratio	Lower	Upper
53	100		
52	35.9	66.0	99.0#
51	33.2	29.8	44.6

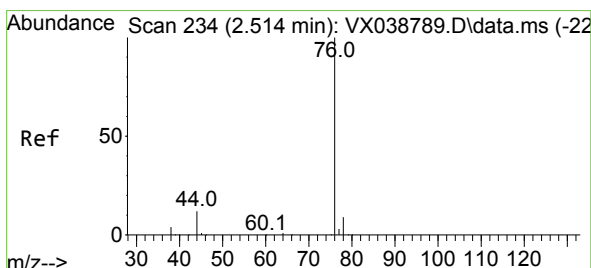
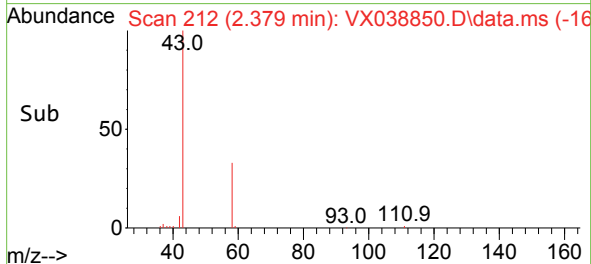
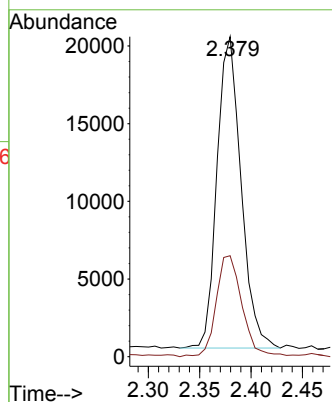
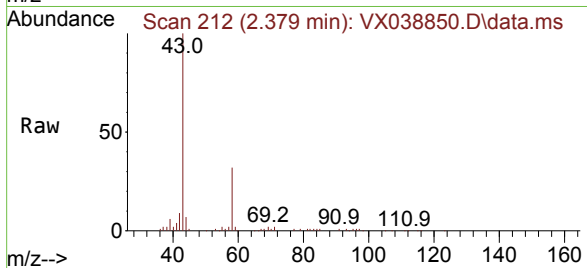




#16
Acetone
Concen: 28.457 ug/l
RT: 2.379 min Scan# 211
Delta R.T. 0.006 min
Lab File: VX038850.D
Acq: 16 Nov 2023 20:08

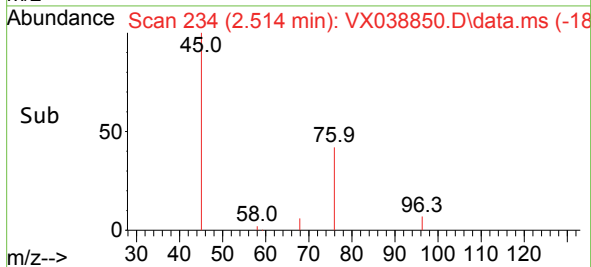
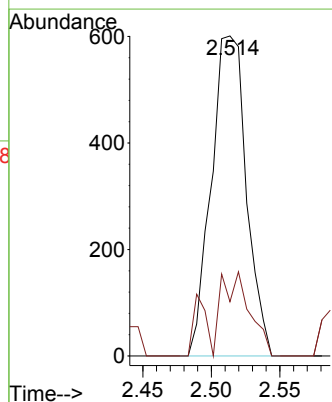
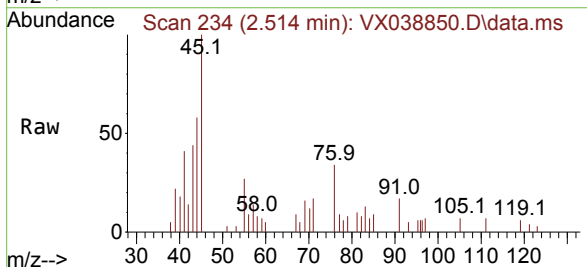
Instrument :
MSVOA_X
ClientSampleId :

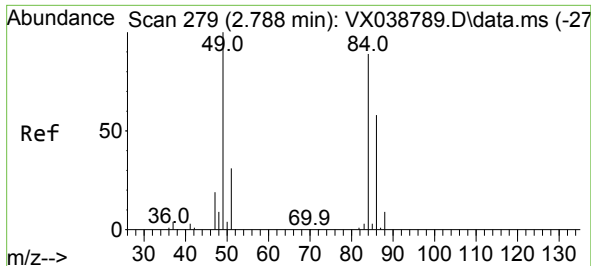
Tgt Ion: 43 Resp: 32557
Ion Ratio Lower Upper
43 100
58 32.4 21.9 32.9



#17
Carbon Disulfide
Concen: 0.208 ug/l
RT: 2.514 min Scan# 234
Delta R.T. -0.000 min
Lab File: VX038850.D
Acq: 16 Nov 2023 20:08

Tgt Ion: 76 Resp: 1072
Ion Ratio Lower Upper
76 100
78 17.0 7.0 10.6#

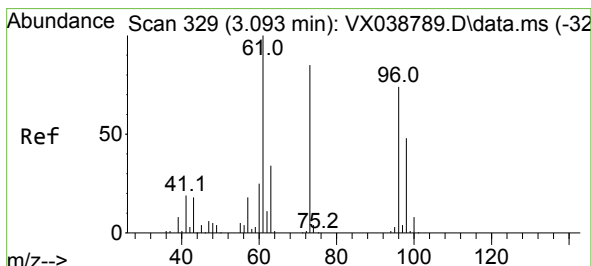
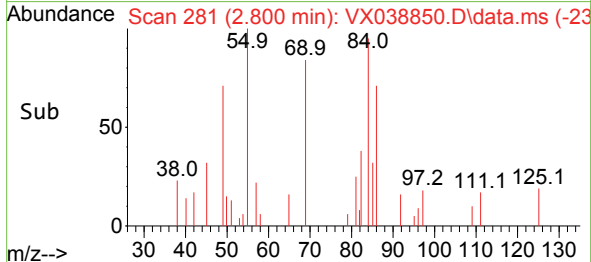
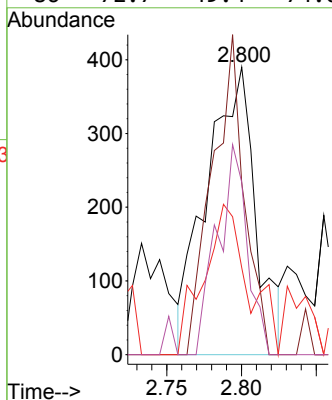
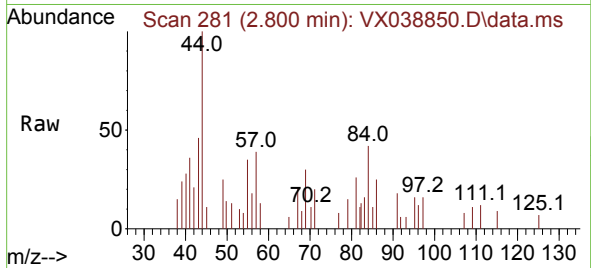




#20
Methylene Chloride
Concen: 0.430 ug/l
RT: 2.800 min Scan# 21
Delta R.T. 0.012 min
Lab File: VX038850.D
Acq: 16 Nov 2023 20:08

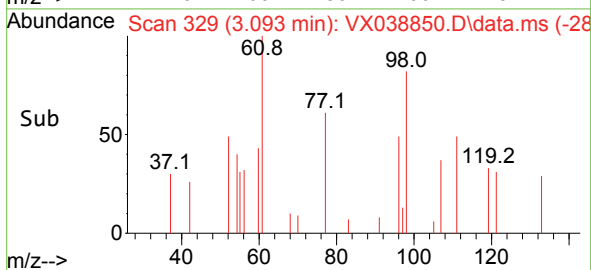
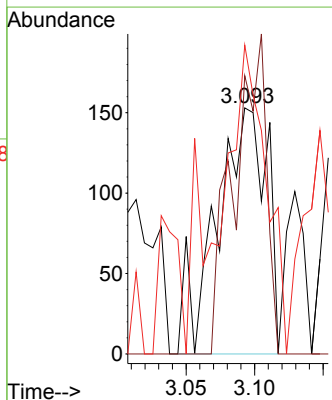
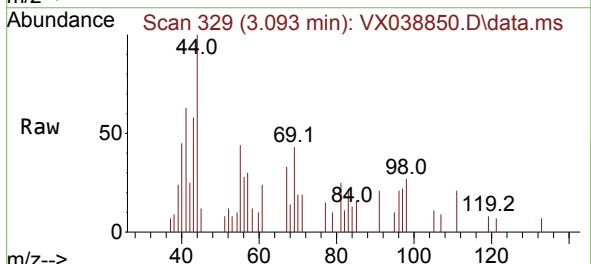
Instrument :
MSVOA_X
ClientSampleId :

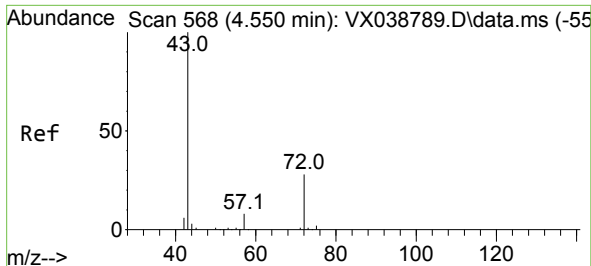
Tgt Ion: 84	Resp: 886
Ion Ratio	Lower Upper
84 100	
49 72.4	103.6 155.4#
51 36.6	33.8 50.6
86 72.7	49.4 74.0



#21
trans-1,2-Dichloroethene
Concen: 0.213 ug/l
RT: 3.093 min Scan# 329
Delta R.T. -0.000 min
Lab File: VX038850.D
Acq: 16 Nov 2023 20:08

Tgt Ion: 96	Resp: 391
Ion Ratio	Lower Upper
96 100	
61 113.1	119.2 178.8#
98 79.1	48.7 73.1#

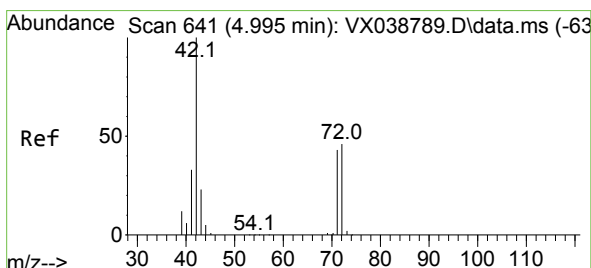
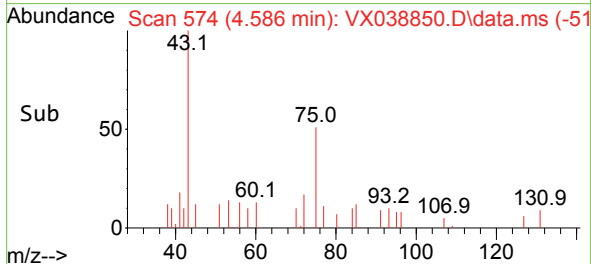
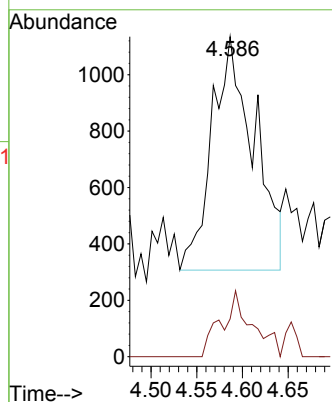
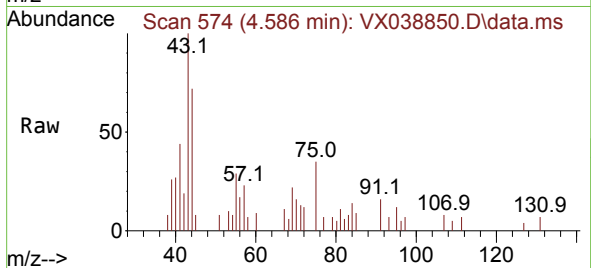




#25
2-Butanone
Concen: 1.438 ug/l
RT: 4.586 min Scan# 51
Delta R.T. 0.037 min
Lab File: VX038850.D
Acq: 16 Nov 2023 20:08

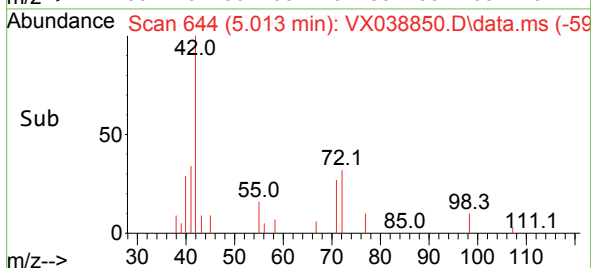
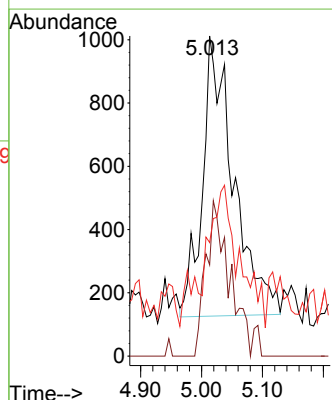
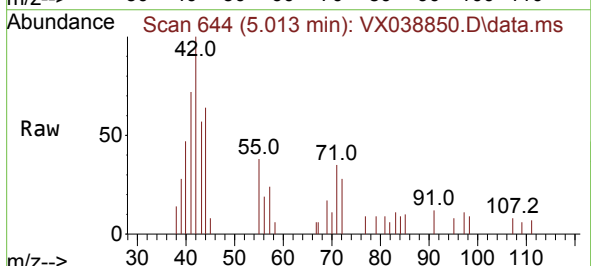
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MSVOA_X
ClientSampleId :

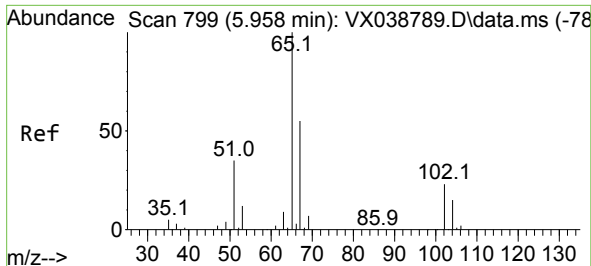
Tgt Ion: 43 Resp: 2667
Ion Ratio Lower Upper
43 100
72 16.2 19.4 29.2#



#29
Tetrahydrofuran
Concen: 2.661 ug/l
RT: 5.013 min Scan# 644
Delta R.T. 0.018 min
Lab File: VX038850.D
Acq: 16 Nov 2023 20:08

Tgt Ion: 42 Resp: 3135
Ion Ratio Lower Upper
42 100
72 41.9 34.2 51.4
71 0.0 32.2 48.2#





#33

1,2-Dichloroethane-d4

Concen: 46.041 ug/l

RT: 5.958 min Scan# 799

Delta R.T. -0.000 min

Lab File: VX038850.D

Acq: 16 Nov 2023 20:08

Instrument :

MSVOA_X

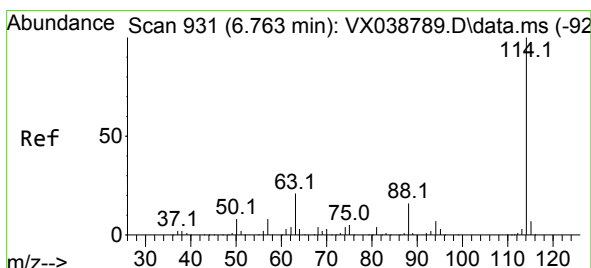
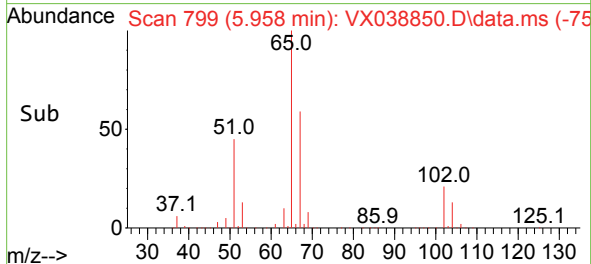
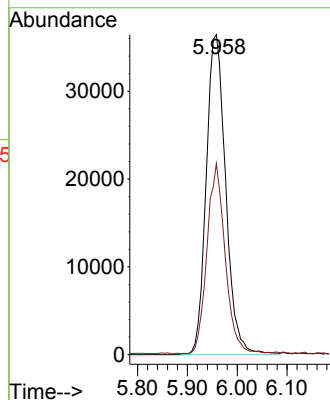
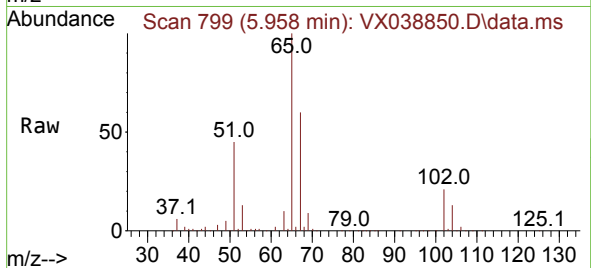
ClientSampleId :

Tgt Ion: 65 Resp: 98949

Ion Ratio Lower Upper

65 100

67 55.0 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: VX038850.D

Acq: 16 Nov 2023 20:08

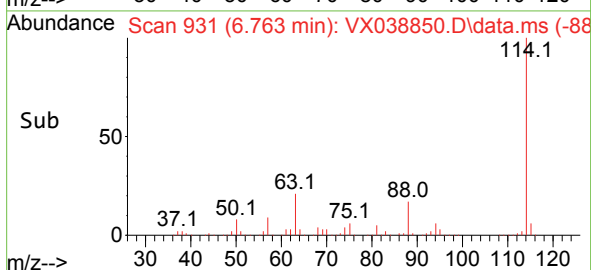
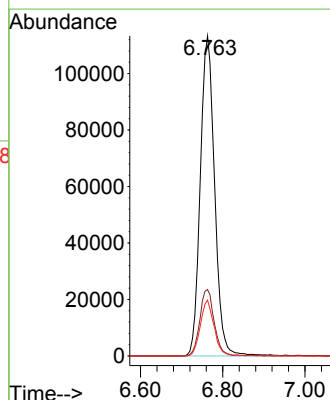
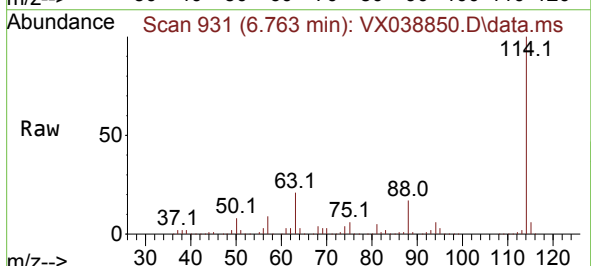
Tgt Ion:114 Resp: 274355

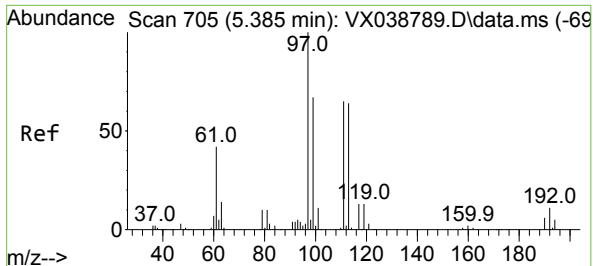
Ion Ratio Lower Upper

114 100

63 20.8 0.0 45.0

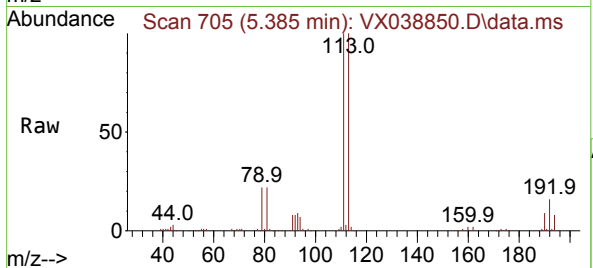
88 17.5 0.0 36.6



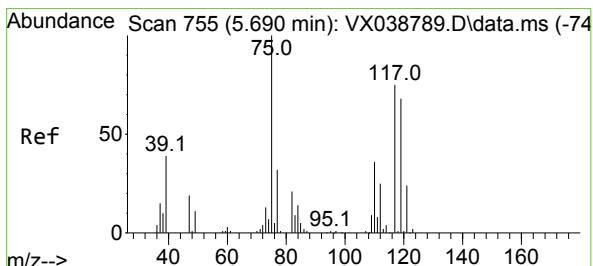
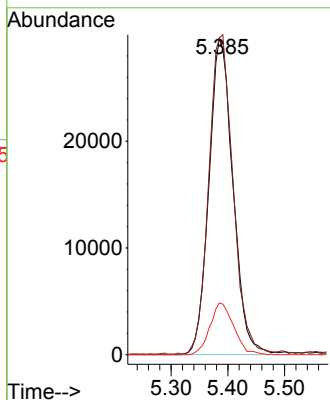
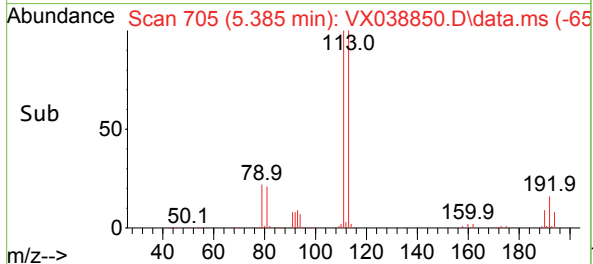


#35
Dibromofluoromethane
Concen: 43.970 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX038850.D
Acq: 16 Nov 2023 20:08

Instrument :
MSVOA_X
ClientSampleId :

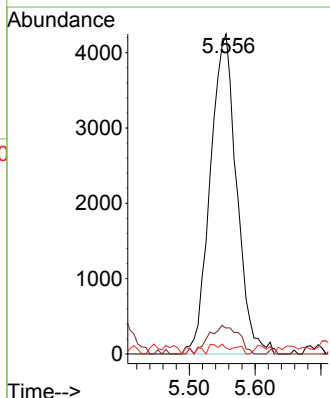
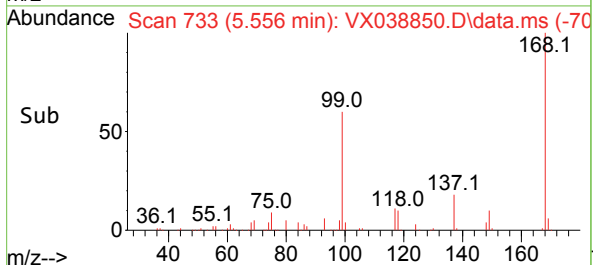
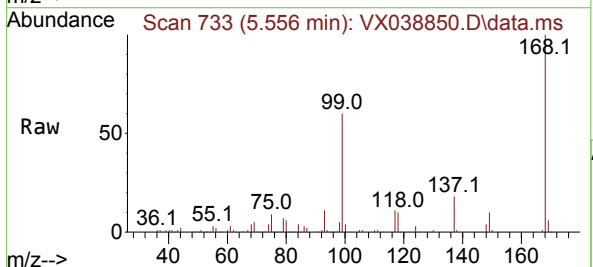


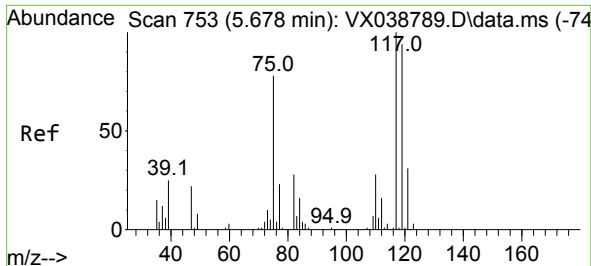
Tgt Ion:113 Resp: 87125
Ion Ratio Lower Upper
113 100
111 101.6 82.9 124.3
192 16.2 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.176 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.134 min
Lab File: VX038850.D
Acq: 16 Nov 2023 20:08

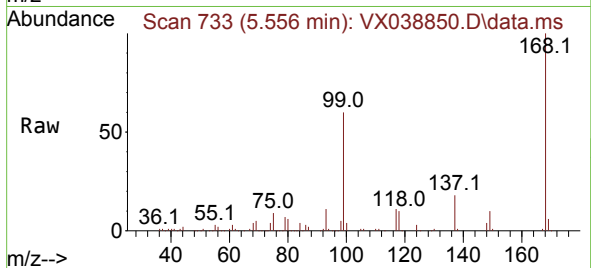
Tgt Ion: 75 Resp: 11858
Ion Ratio Lower Upper
75 100
110 10.3 17.0 50.9#
77 2.4 24.7 37.1#



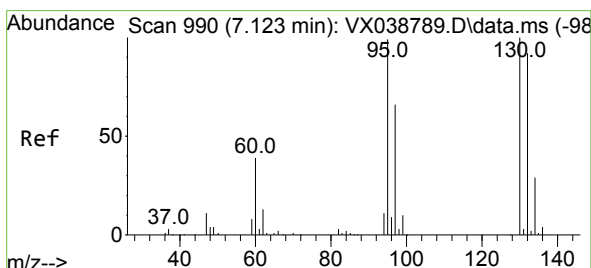
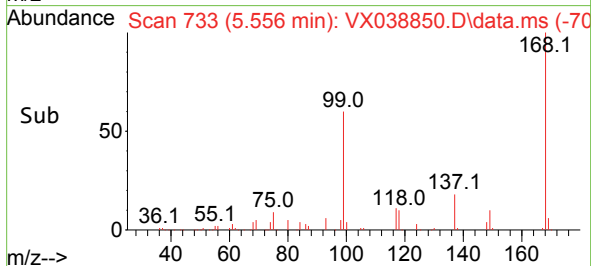
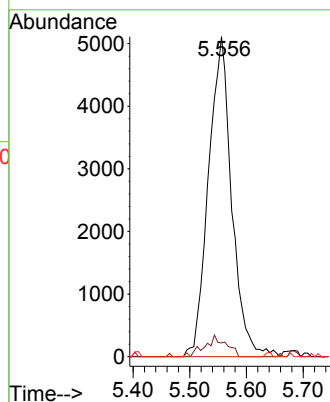


#38
Carbon Tetrachloride
Concen: 5.543 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.122 min
Lab File: VX038850.D
Acq: 16 Nov 2023 20:08

Instrument :
MSVOA_X
ClientSampleId :

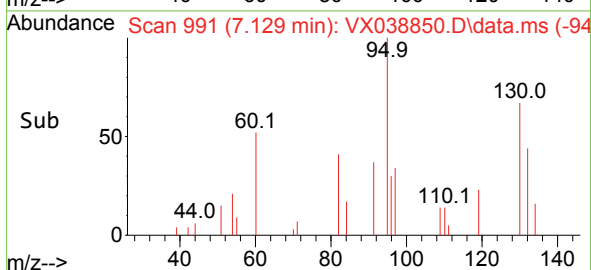
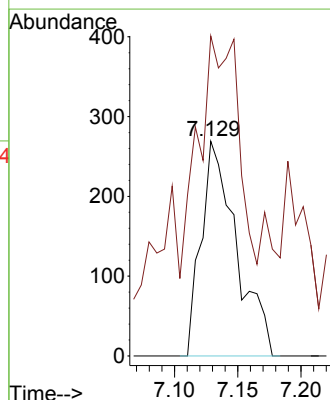
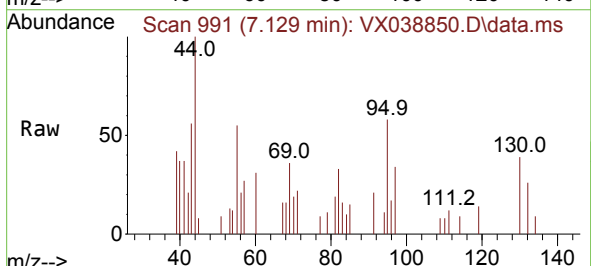


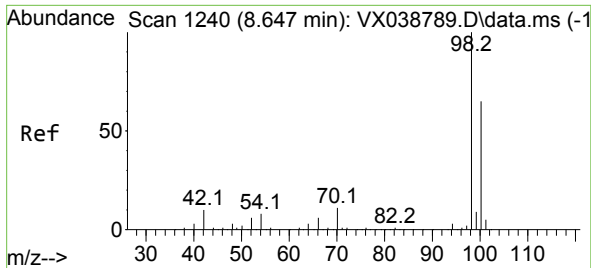
Tgt Ion:117 Resp: 14549
Ion Ratio Lower Upper
117 100
119 4.3 78.2 117.2#
121 0.0 24.4 36.6#



#44
Trichloroethene
Concen: 0.254 ug/l
RT: 7.129 min Scan# 991
Delta R.T. 0.006 min
Lab File: VX038850.D
Acq: 16 Nov 2023 20:08

Tgt Ion:130 Resp: 520
Ion Ratio Lower Upper
130 100
95 113.0 0.0 204.4

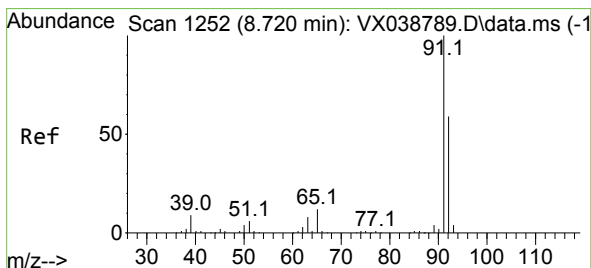
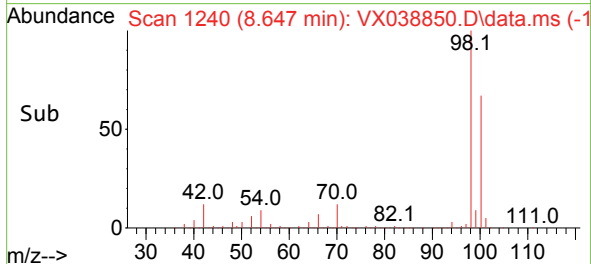
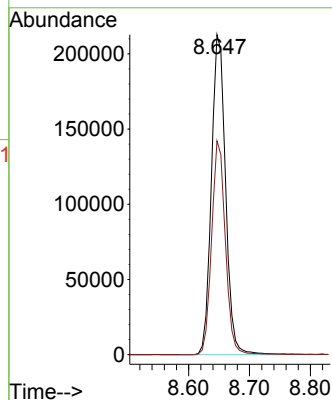
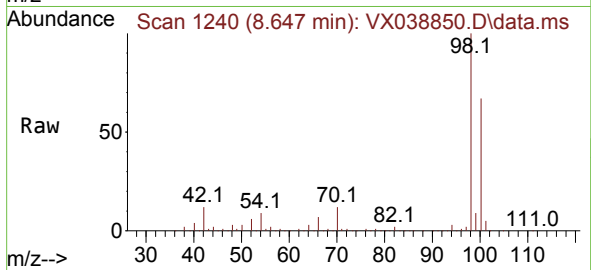




#50
Toluene-d8
Concen: 45.192 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX038850.D
Acq: 16 Nov 2023 20:08

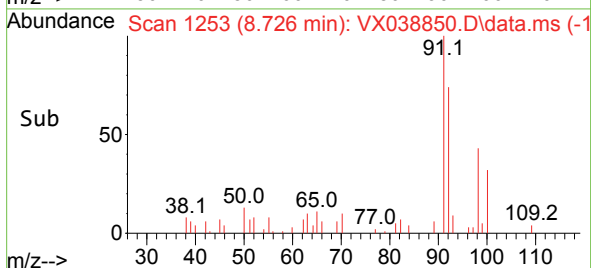
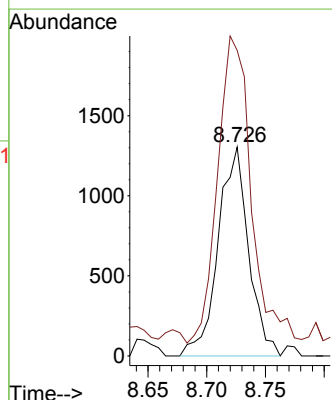
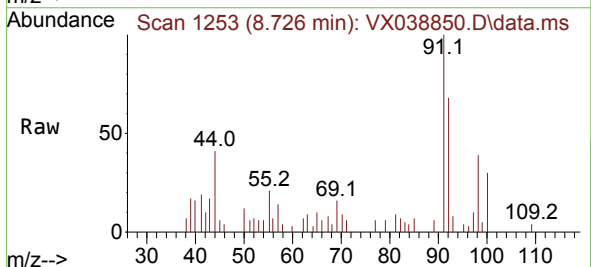
Instrument :
MSVOA_X
ClientSampleId :

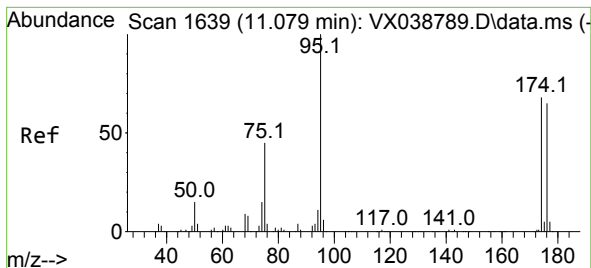
Tgt Ion: 98 Resp: 342609
Ion Ratio Lower Upper
98 100
100 65.1 53.1 79.7



#52
Toluene
Concen: 0.451 ug/l
RT: 8.726 min Scan# 1253
Delta R.T. 0.006 min
Lab File: VX038850.D
Acq: 16 Nov 2023 20:08

Tgt Ion: 92 Resp: 2353
Ion Ratio Lower Upper
92 100
91 165.5 134.2 201.2

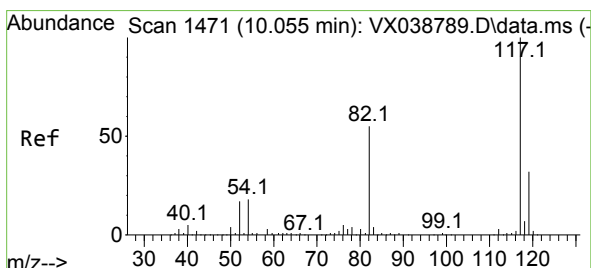
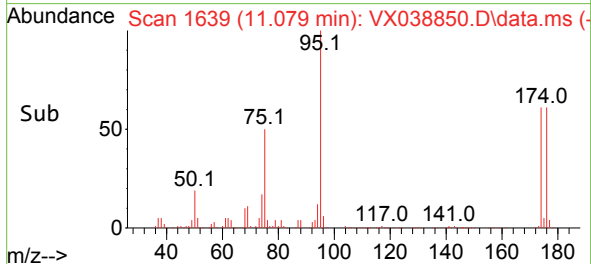
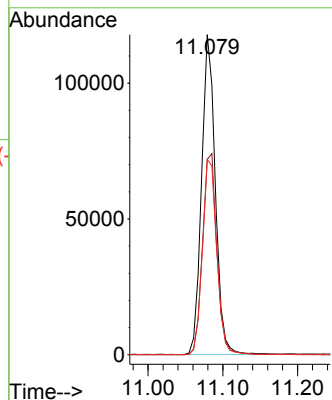
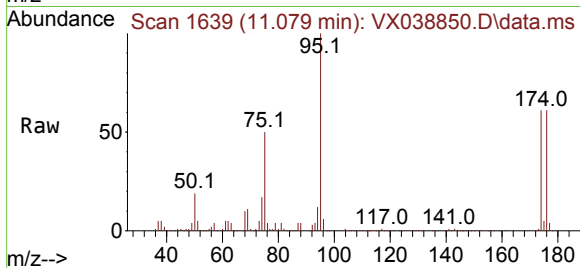




#62
4-Bromofluorobenzene
Concen: 49.575 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX038850.D
Acq: 16 Nov 2023 20:08

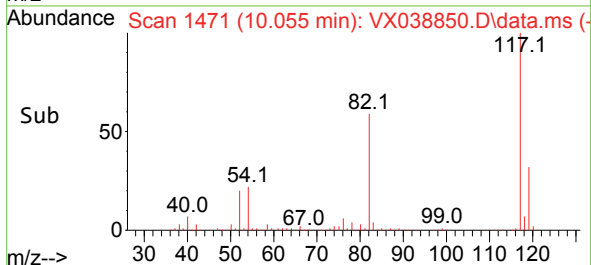
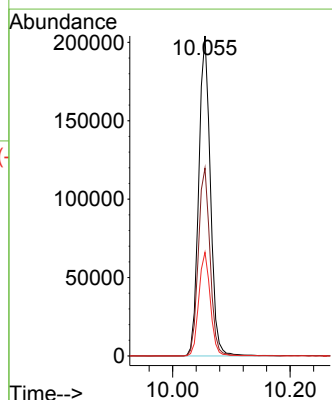
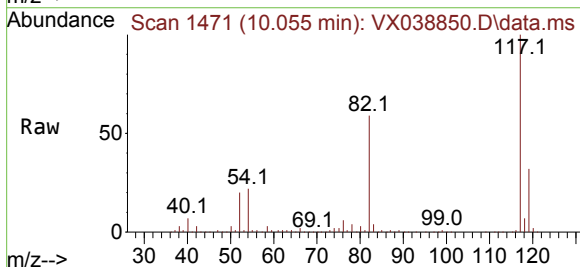
Instrument :
MSVOA_X
ClientSampleId :

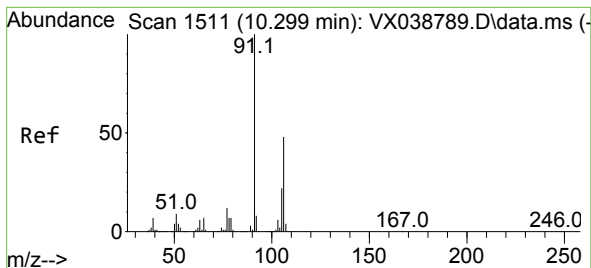
Tgt Ion: 95 Resp: 150449
Ion Ratio Lower Upper
95 100
174 65.7 0.0 135.6
176 63.7 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX038850.D
Acq: 16 Nov 2023 20:08

Tgt Ion: 117 Resp: 280277
Ion Ratio Lower Upper
117 100
82 58.7 46.2 69.4
119 32.4 25.5 38.3

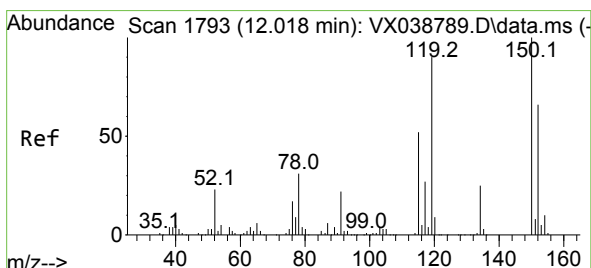
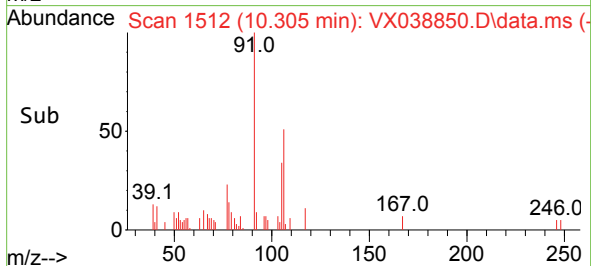
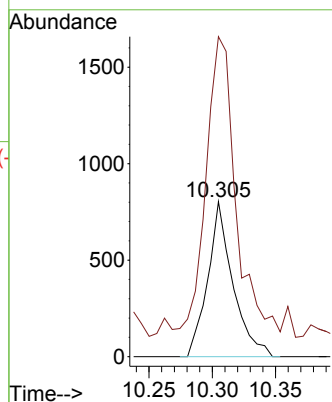
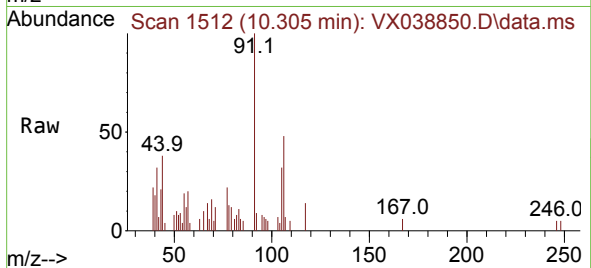




#68
m/p-Xylenes
Concen: 0.264 ug/l
RT: 10.305 min Scan# 1107
Delta R.T. 0.006 min
Lab File: VX038850.D
Acq: 16 Nov 2023 20:08

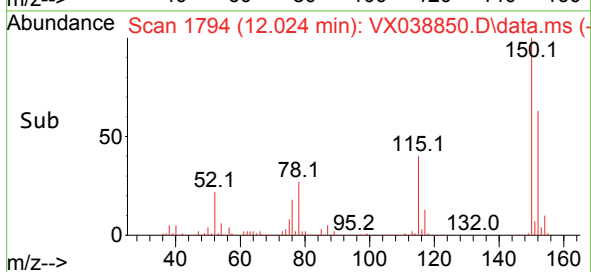
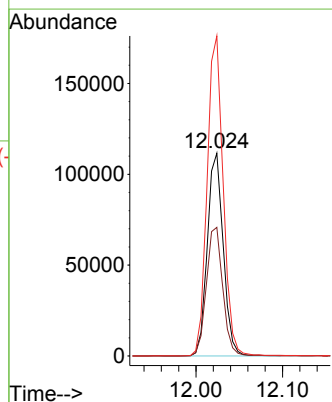
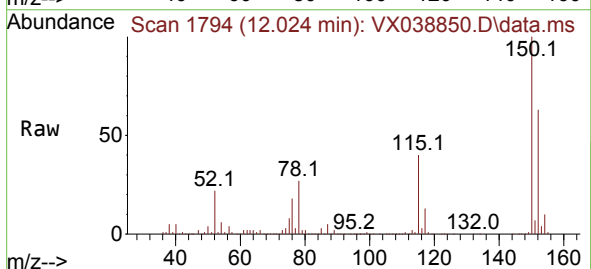
Instrument :
MSVOA_X
ClientSampleId :

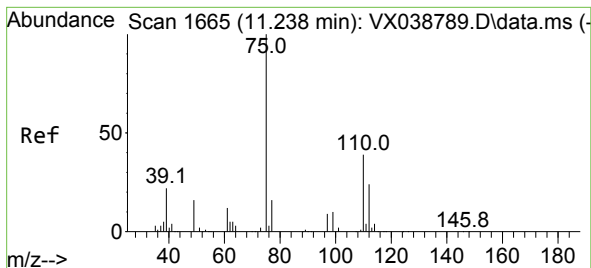
Tgt Ion	106	91	Ratio	100	Lower	Upper
106	100					
91	237.5	165.5				248.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.006 min
Lab File: VX038850.D
Acq: 16 Nov 2023 20:08

Tgt Ion	152	115	150	Ratio	100	Lower	Upper
152	100						
115	65.4	43.3					129.9
150	159.2	0.0					345.0





#76

1,2,3-Trichloropropane

Concen: 21.212 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX038850.D

Acq: 16 Nov 2023 20:08

Instrument :

MSVOA_X

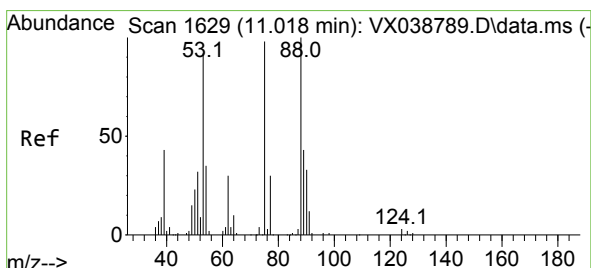
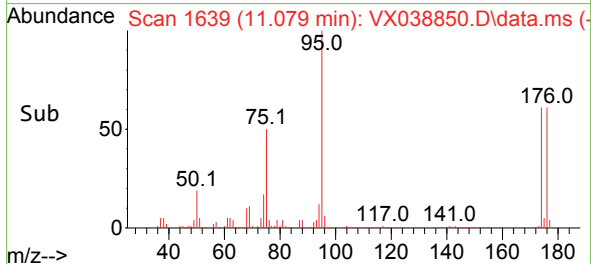
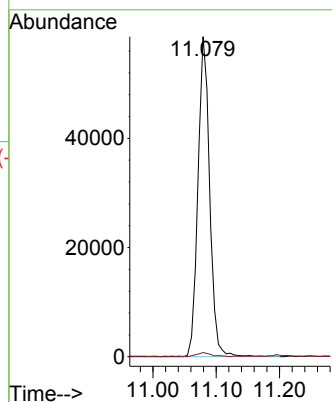
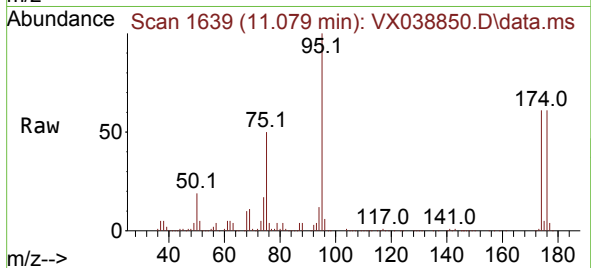
ClientSampleId :

Tgt Ion: 75 Resp: 75551

Ion Ratio Lower Upper

75 100

77 1.7 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 47.050 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX038850.D

Acq: 16 Nov 2023 20:08

Tgt Ion: 75 Resp: 75551

Ion Ratio Lower Upper

75 100

53 0.2 90.5 135.7#

89 0.0 36.9 55.3#

