

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111723\
 Data File : VX038906.D
 Acq On : 18 Nov 2023 03:58
 Operator : JC/MD
 Sample : 05404-21
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Nov 18 05:07:49 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

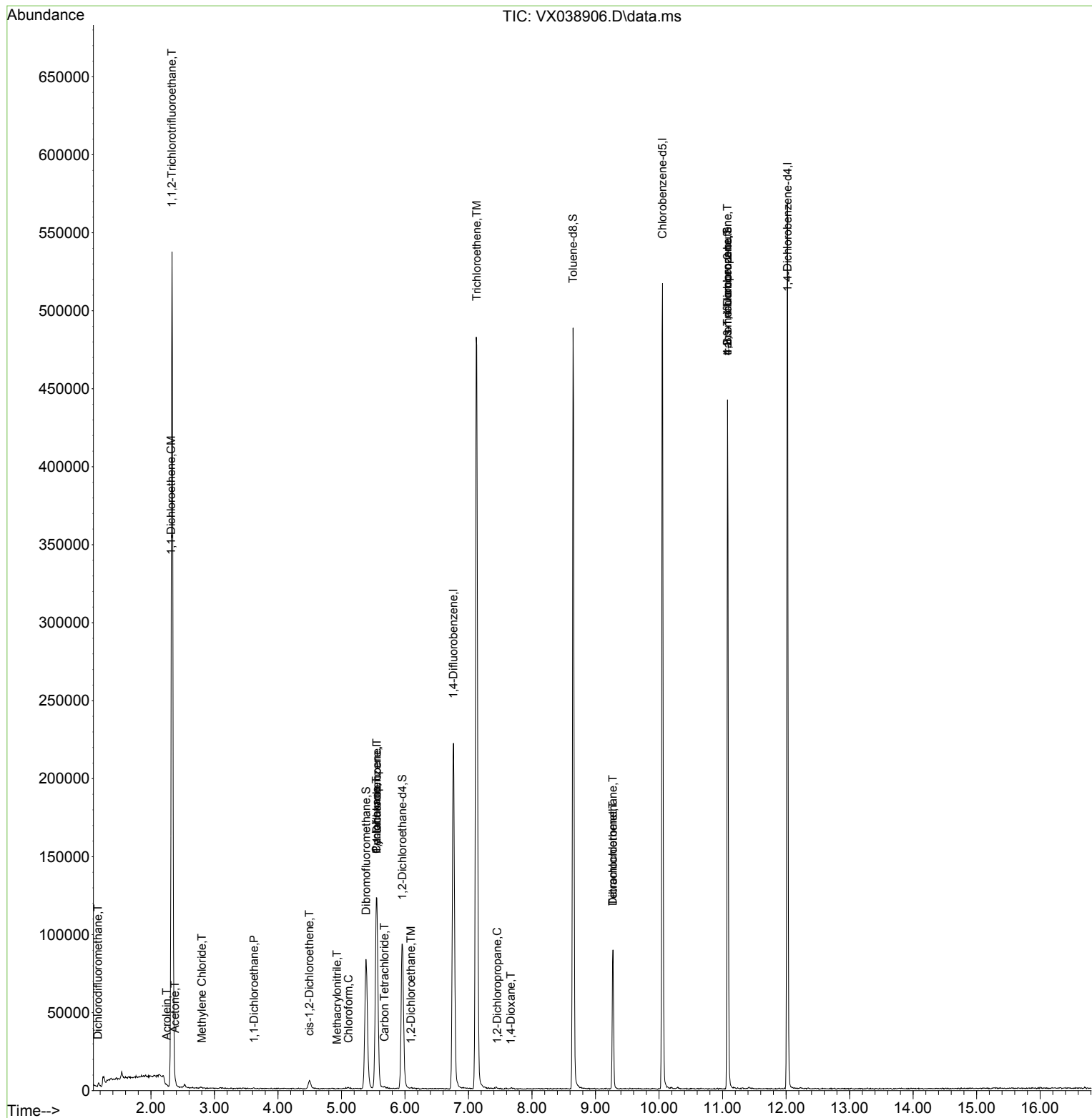
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.556	168	113573	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	227953	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	231805	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	114746	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	86592	47.317	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	94.640%
35) Dibromofluoromethane	5.385	113	72895	44.277	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	88.560%
50) Toluene-d8	8.647	98	289444	45.951	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	91.900%#
62) 4-Bromofluorobenzene	11.079	95	121731	48.277	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	96.560%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	450	0.340	ug/l #	66
9) 1,1,2-Trichlorotrifluo...	2.331	101	211725	151.005	ug/l	97
12) 1,1-Dichloroethene	2.319	96	2267	1.601	ug/l	91
13) Acrolein	2.245	56	327	1.214	ug/l #	32
16) Acetone	2.380	43	966	0.992	ug/l	100
20) Methylene Chloride	2.800	84	406	0.231	ug/l #	44
24) 1,1-Dichloroethane	3.623	63	611	0.210	ug/l #	83
27) cis-1,2-Dichloroethene	4.495	96	3461	1.901	ug/l	85
30) Chloroform	5.111	83	924	0.325	ug/l #	70
31) Cyclohexane	5.550	56	3184	1.219	ug/l #	8
36) 1,1-Dichloropropene	5.556	75	10374	4.397	ug/l #	51
38) Carbon Tetrachloride	5.678	117	887	0.407	ug/l #	61
41) Methacrylonitrile	4.928	41	375	0.235	ug/l #	50
42) 1,2-Dichloroethane	6.092	62	482	0.208	ug/l #	77
44) Trichloroethene	7.129	130	183755	108.172	ug/l	99
45) 1,2-Dichloropropane	7.452	63	423	0.225	ug/l	94
49) 1,4-Dioxane	7.665	88	219	4.749	ug/l #	11
60) Dibromochloromethane	9.275	129	16380	8.915	ug/l #	11
64) Tetrachloroethene	9.275	164	15427	10.707	ug/l	92
76) 1,2,3-Trichloropropane	11.079	75	64253	22.443	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	64253	49.782	ug/l #	5

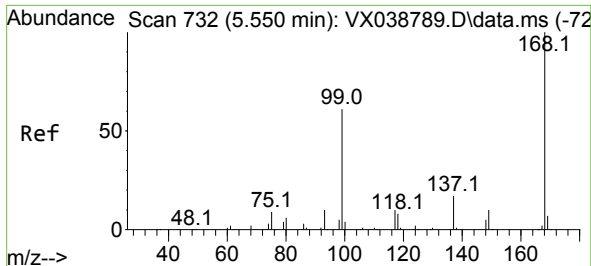
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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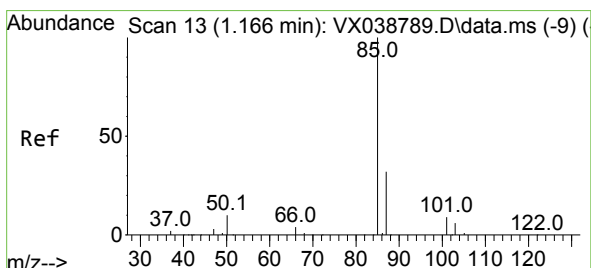
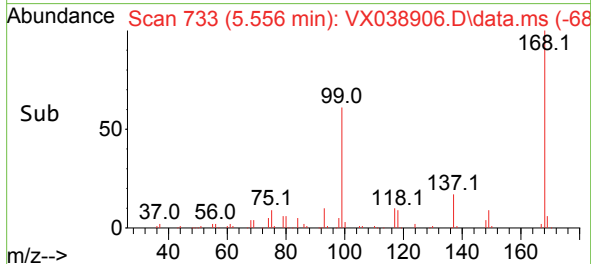
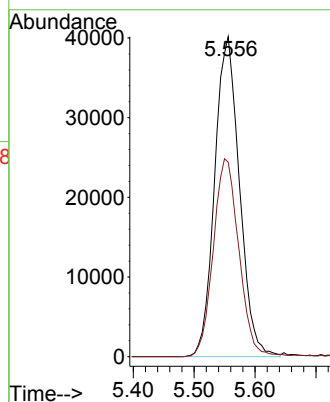
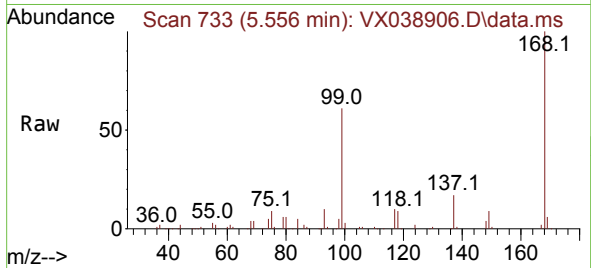




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX038906.D
Acq: 18 Nov 2023 03:58

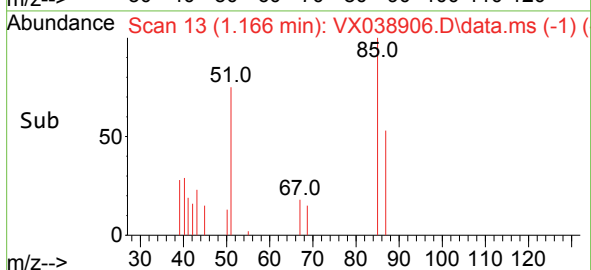
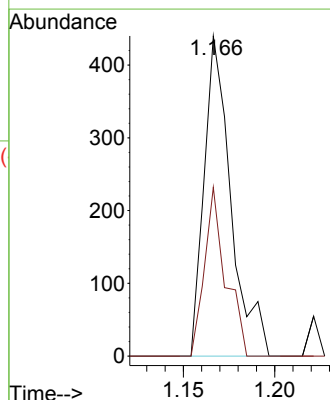
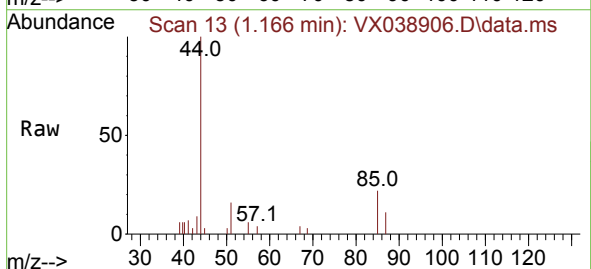
Instrument :
MSVOA_X
ClientSampleId :

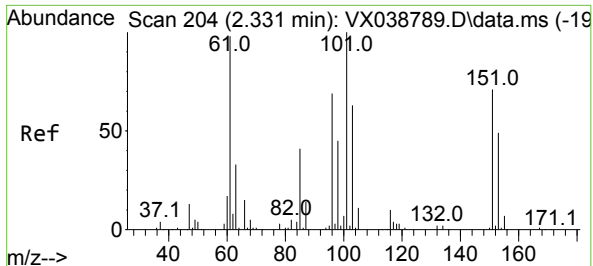
Tgt Ion:168 Resp: 113573
Ion Ratio Lower Upper
168 100
99 60.8 56.6 85.0



#2
Dichlorodifluoromethane
Concen: 0.340 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX038906.D
Acq: 18 Nov 2023 03:58

Tgt Ion: 85 Resp: 450
Ion Ratio Lower Upper
85 100
87 52.7 16.7 50.1#

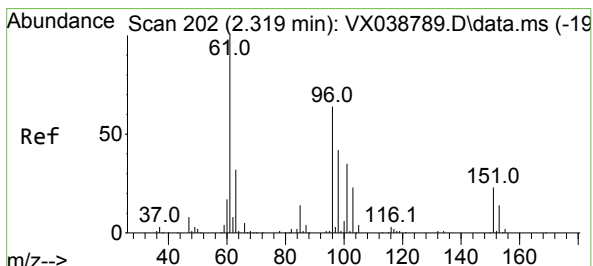
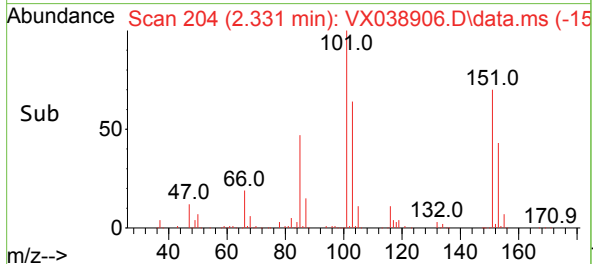
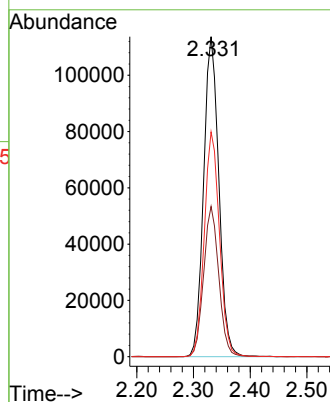
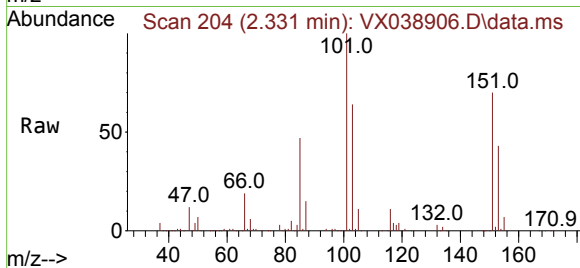




#9
1,1,2-Trichlorotrifluoroethane
Concen: 151.005 ug/l
RT: 2.331 min Scan# 204
Delta R.T. 0.000 min
Lab File: VX038906.D
Acq: 18 Nov 2023 03:58

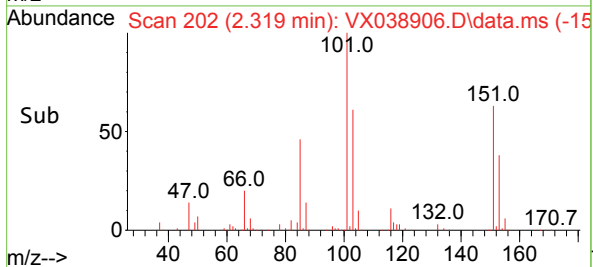
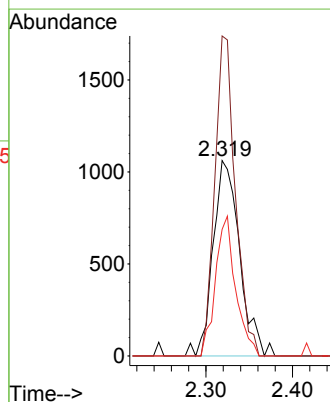
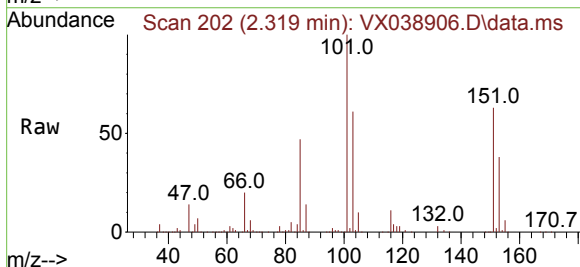
Instrument :
MSVOA_X
ClientSampleId :

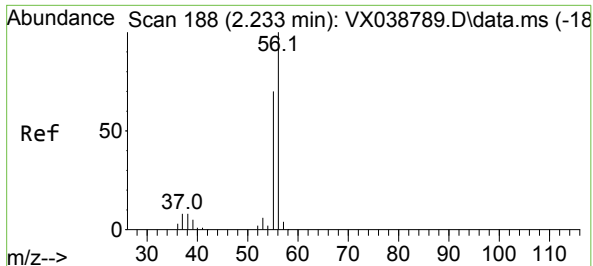
Tgt Ion:101 Resp: 211725
Ion Ratio Lower Upper
101 100
85 46.8 37.0 55.6
151 70.1 58.6 87.8



#12
1,1-Dichloroethene
Concen: 1.601 ug/l
RT: 2.319 min Scan# 202
Delta R.T. 0.000 min
Lab File: VX038906.D
Acq: 18 Nov 2023 03:58

Tgt Ion: 96 Resp: 2267
Ion Ratio Lower Upper
96 100
61 163.7 144.6 216.8
98 64.8 50.4 75.6





#13

Acrolein

Concen: 1.214 ug/l

RT: 2.245 min Scan# 190

Delta R.T. 0.012 min

Lab File: VX038906.D

Acq: 18 Nov 2023 03:58

Instrument :

MSVOA_X

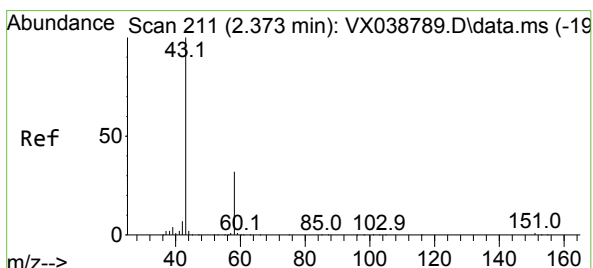
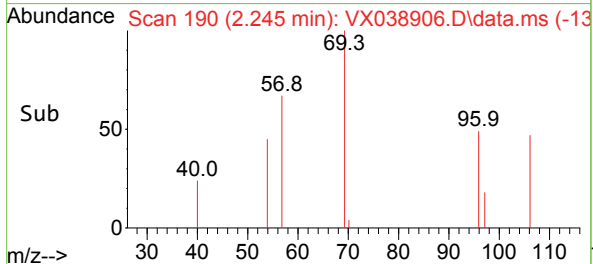
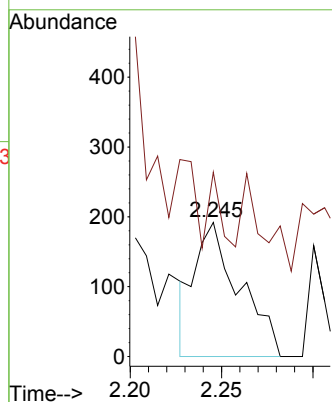
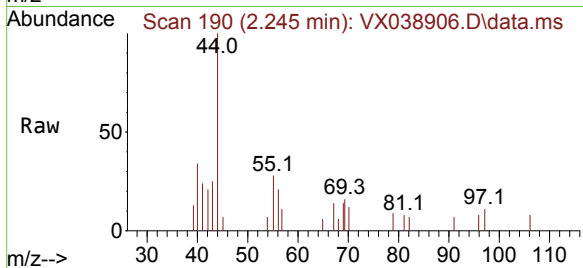
ClientSampleId :

Tgt Ion: 56 Resp: 327

Ion Ratio Lower Upper

56 100

55 15.3 57.1 85.7#



#16

Acetone

Concen: 0.992 ug/l

RT: 2.380 min Scan# 212

Delta R.T. 0.006 min

Lab File: VX038906.D

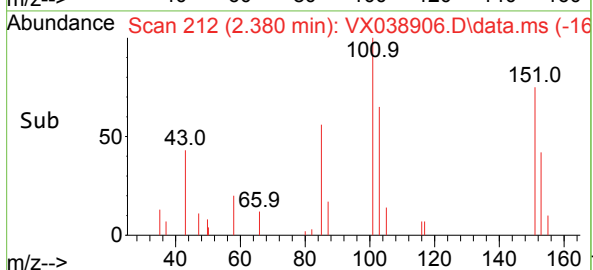
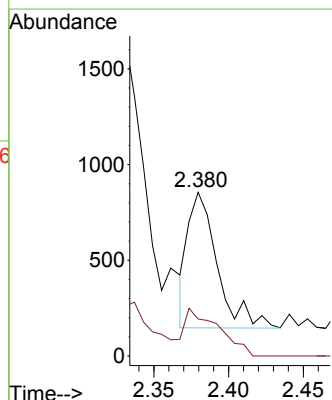
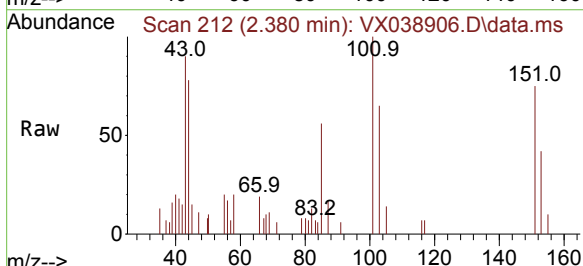
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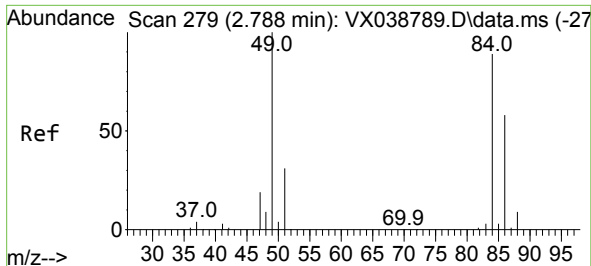
Tgt Ion: 43 Resp: 966

Ion Ratio Lower Upper

43 100

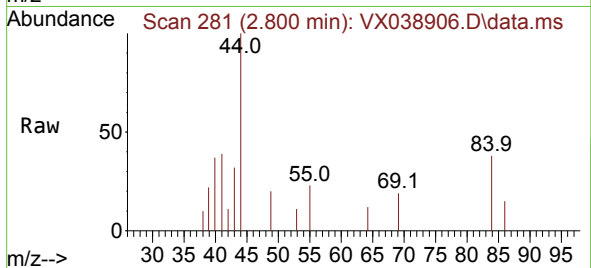
58 27.3 21.9 32.9





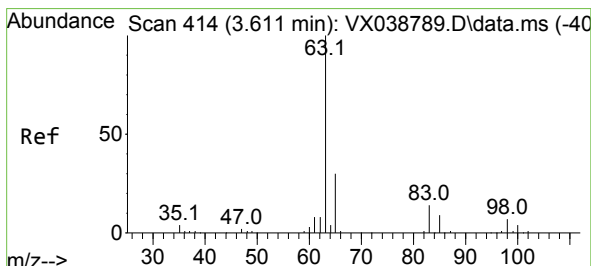
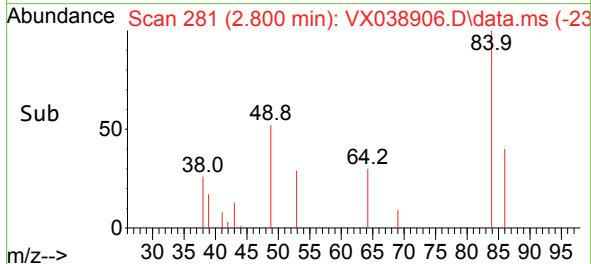
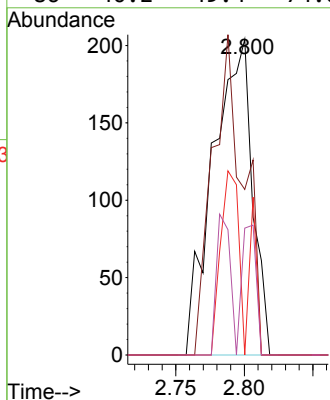
#20
Methylene Chloride
Concen: 0.231 ug/l
RT: 2.800 min Scan# 21
Delta R.T. 0.012 min
Lab File: VX038906.D
Acq: 18 Nov 2023 03:58

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion: 84 Resp: 406

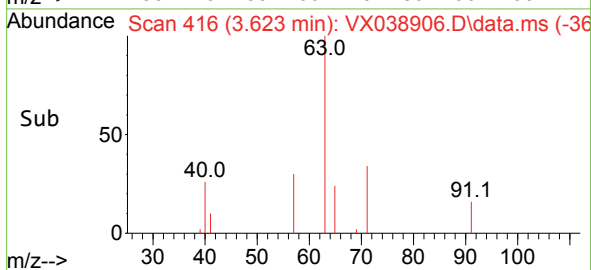
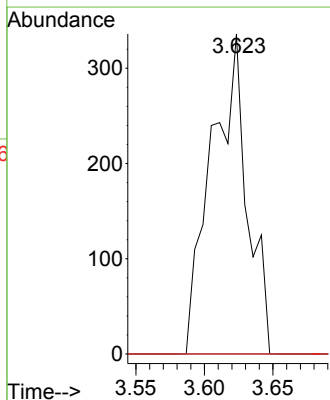
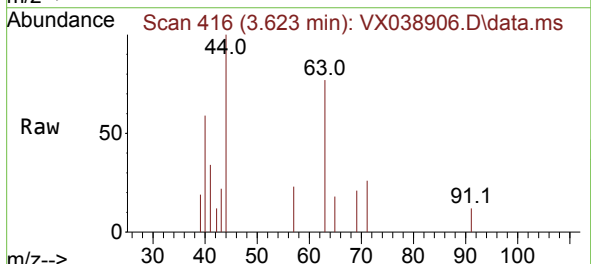
Ion	Ratio	Lower	Upper
84	100		
49	52.5	103.6	155.4#
51	0.0	33.8	50.6#
86	40.2	49.4	74.0#

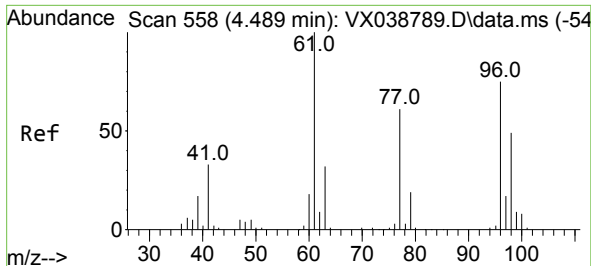


#24
1,1-Dichloroethane
Concen: 0.210 ug/l
RT: 3.623 min Scan# 416
Delta R.T. 0.012 min
Lab File: VX038906.D
Acq: 18 Nov 2023 03:58

Tgt Ion: 63 Resp: 611

Ion	Ratio	Lower	Upper
63	100		
98	0.0	3.3	9.8#
100	0.0	2.1	6.5#

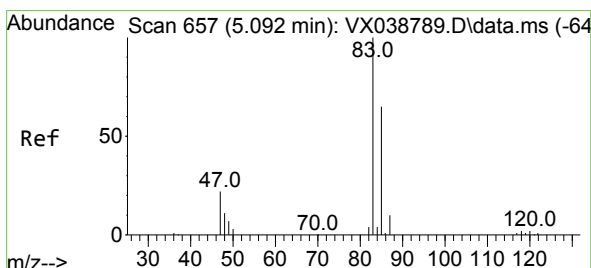
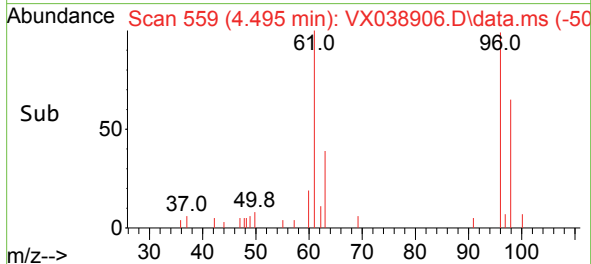
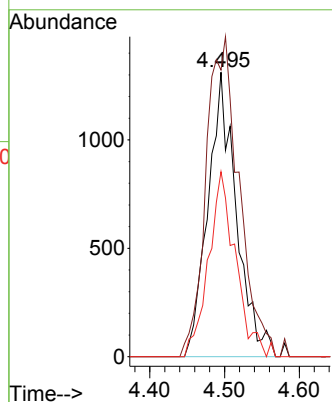
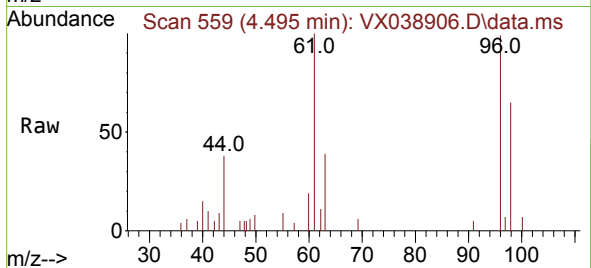




#27
 cis-1,2-Dichloroethene
 Concen: 1.901 ug/l
 RT: 4.495 min Scan# 51
 Delta R.T. 0.006 min
 Lab File: VX038906.D
 Acq: 18 Nov 2023 03:58

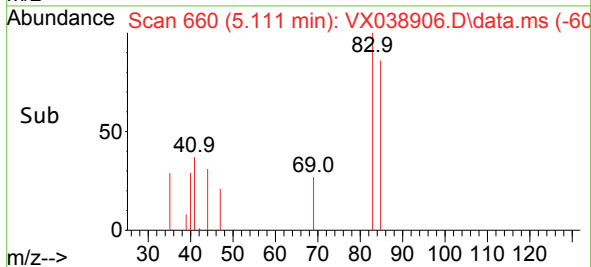
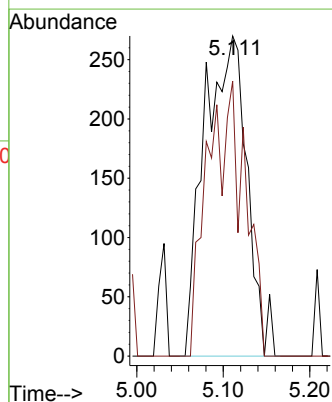
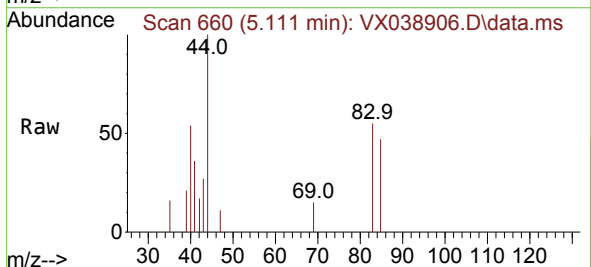
Instrument :
 MSVOA_X
 ClientSampleId :

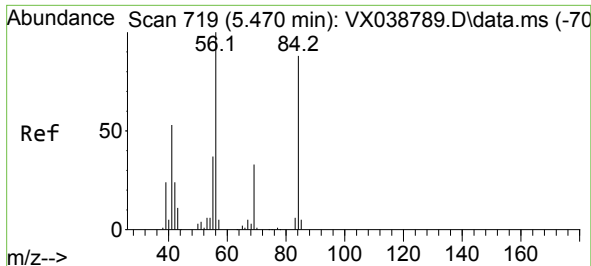
Tgt Ion: 96 Resp: 3461
 Ion Ratio Lower Upper
 96 100
 61 130.4 0.0 312.2
 98 61.6 0.0 129.0



#30
 Chloroform
 Concen: 0.325 ug/l
 RT: 5.111 min Scan# 660
 Delta R.T. 0.018 min
 Lab File: VX038906.D
 Acq: 18 Nov 2023 03:58

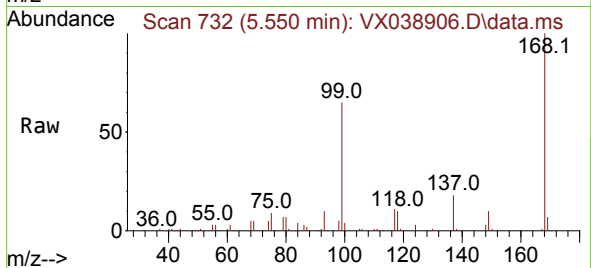
Tgt Ion: 83 Resp: 924
 Ion Ratio Lower Upper
 83 100
 85 85.9 50.3 75.5#



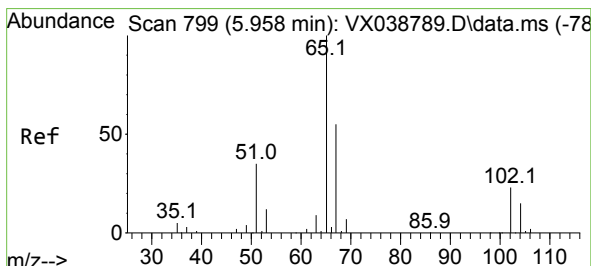
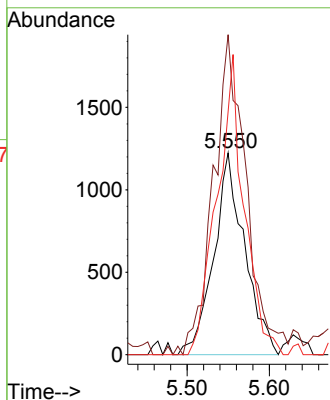
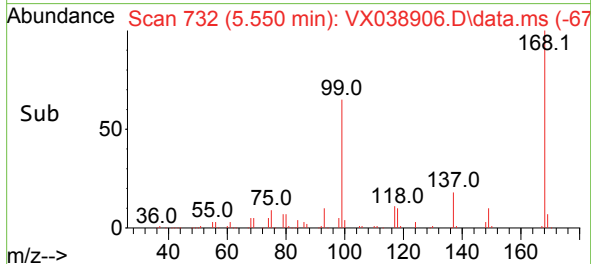


#31
Cyclohexane
Concen: 1.219 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.079 min
Lab File: VX038906.D
Acq: 18 Nov 2023 03:58

Instrument :
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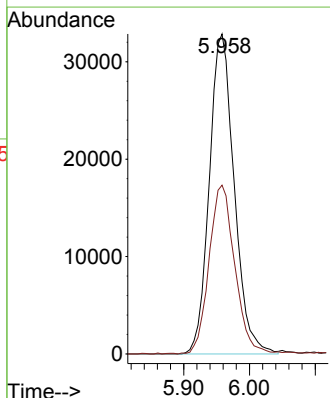
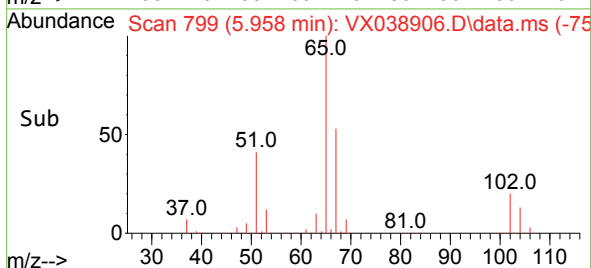
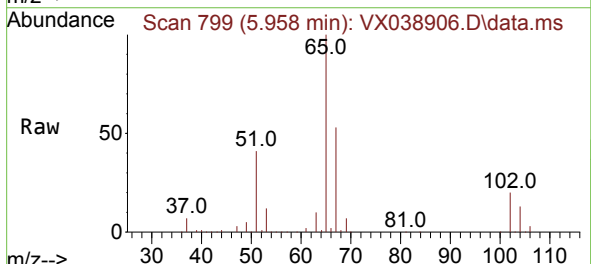


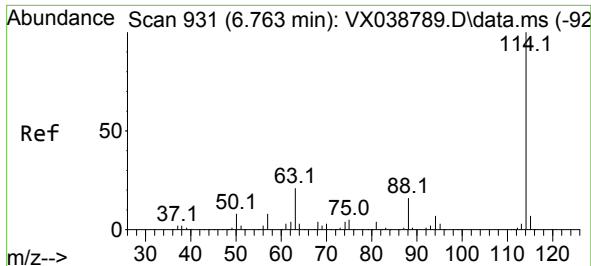
Tgt Ion: 56 Resp: 3184
Ion Ratio Lower Upper
56 100
69 154.3 23.4 35.2#
84 120.4 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 47.317 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX038906.D
Acq: 18 Nov 2023 03:58

Tgt Ion: 65 Resp: 86592
Ion Ratio Lower Upper
65 100
67 54.5 0.0 100.2

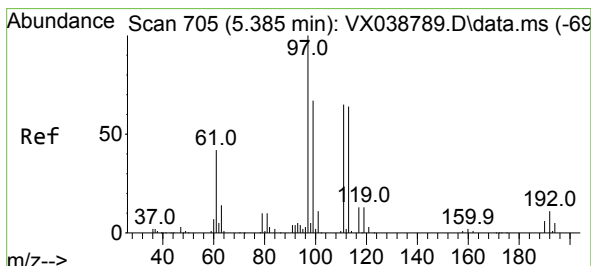
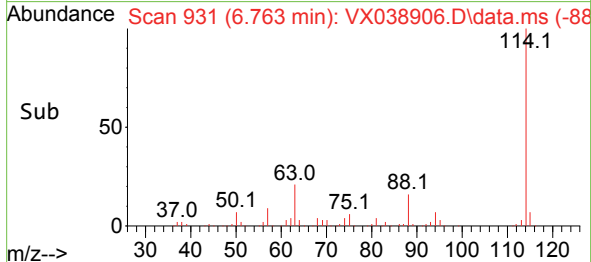
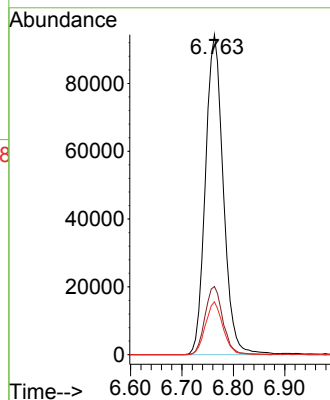
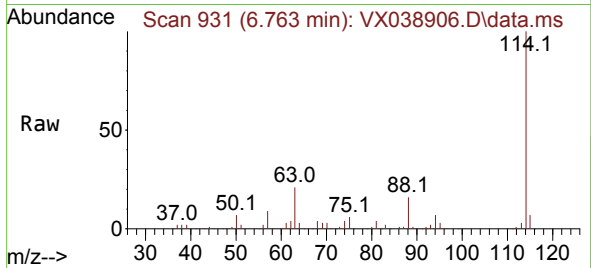




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 911
Delta R.T. 0.000 min
Lab File: VX038906.D
Acq: 18 Nov 2023 03:58

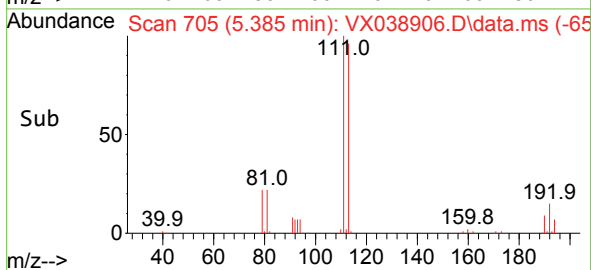
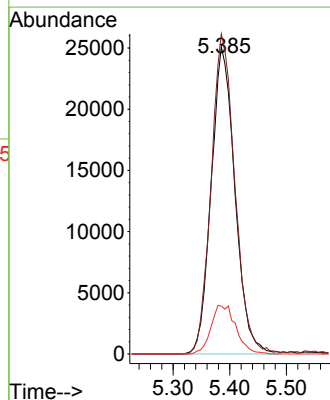
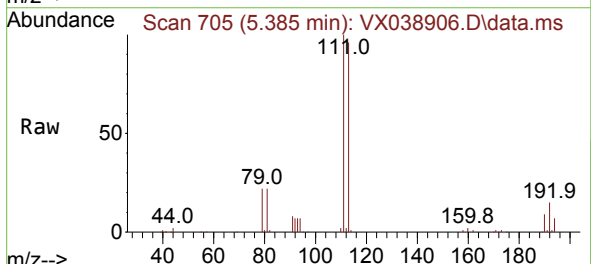
Instrument :
MSVOA_X
ClientSampleId :

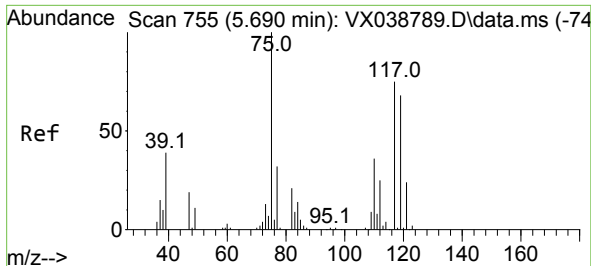
Tgt Ion:114 Resp: 227953
Ion Ratio Lower Upper
114 100
63 21.3 0.0 45.0
88 16.5 0.0 36.6



#35
Dibromofluoromethane
Concen: 44.277 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX038906.D
Acq: 18 Nov 2023 03:58

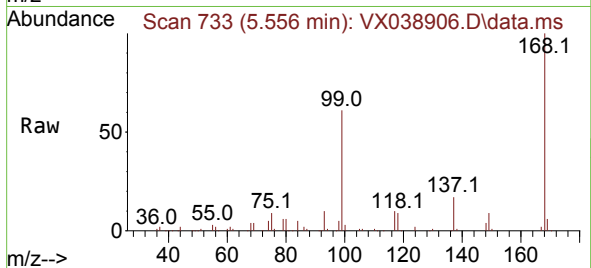
Tgt Ion:113 Resp: 72895
Ion Ratio Lower Upper
113 100
111 104.3 82.9 124.3
192 16.6 13.3 19.9



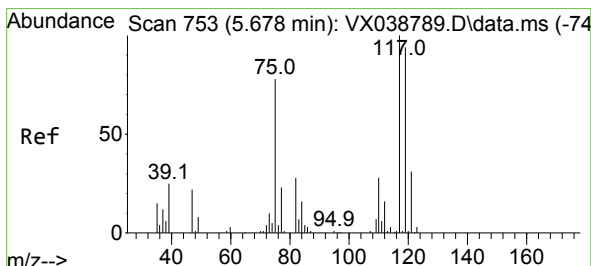
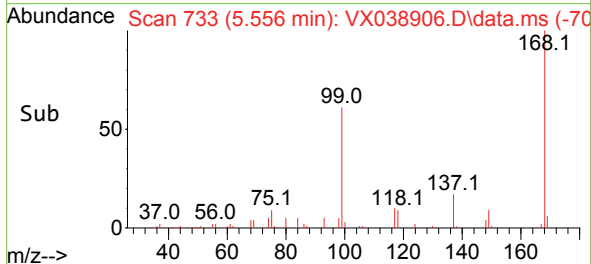
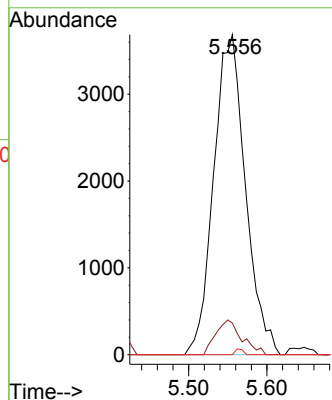


#36
1,1-Dichloropropene
Concen: 4.397 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.134 min
Lab File: VX038906.D
Acq: 18 Nov 2023 03:58

Instrument :
MSVOA_X
ClientSampleId :

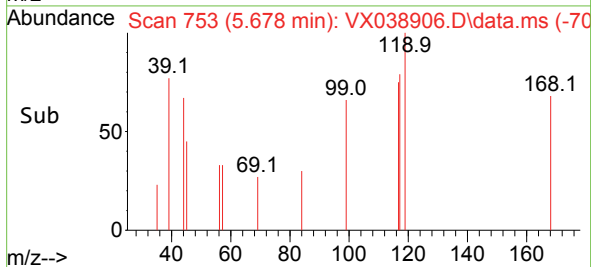
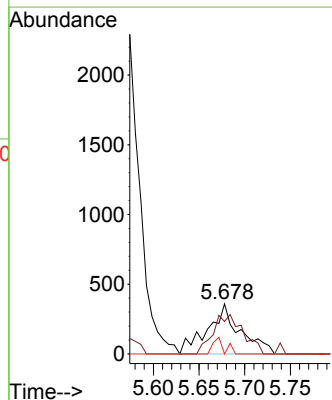
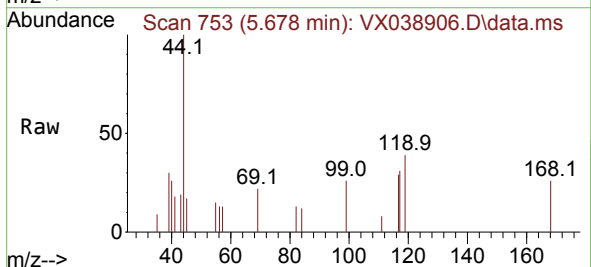


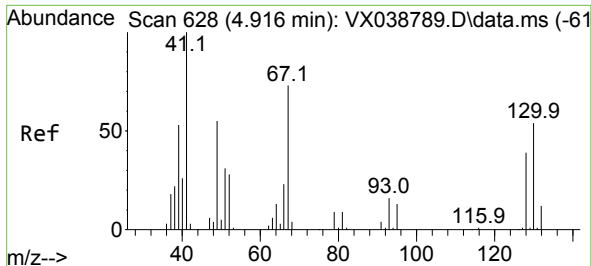
Tgt Ion: 75 Resp: 10374
Ion Ratio Lower Upper
75 100
110 8.9 17.0 50.9#
77 0.4 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 0.407 ug/l
RT: 5.678 min Scan# 753
Delta R.T. 0.000 min
Lab File: VX038906.D
Acq: 18 Nov 2023 03:58

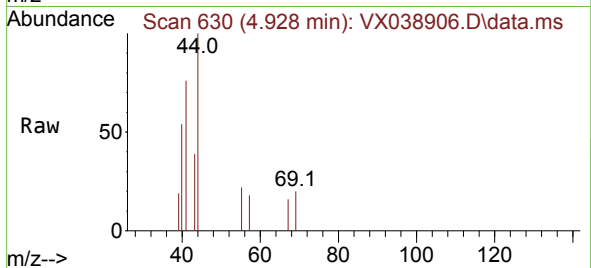
Tgt Ion: 117 Resp: 887
Ion Ratio Lower Upper
117 100
119 64.9 78.2 117.2#
121 0.0 24.4 36.6#



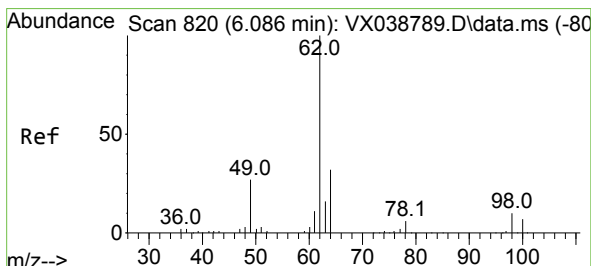
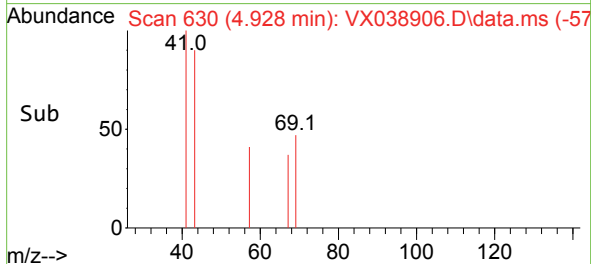
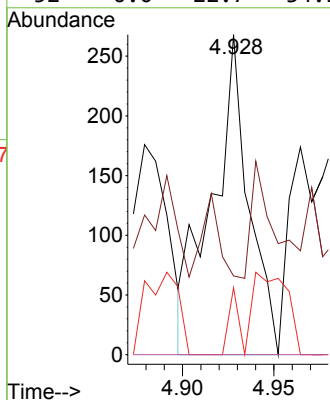


#41
Methacrylonitrile
Concen: 0.235 ug/l
RT: 4.928 min Scan# 61
Delta R.T. 0.012 min
Lab File: VX038906.D
Acq: 18 Nov 2023 03:58

Instrument :
MSVOA_X
ClientSampleId :

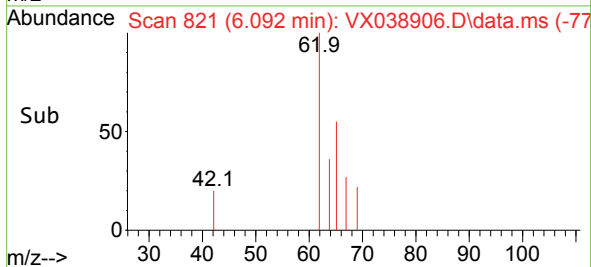
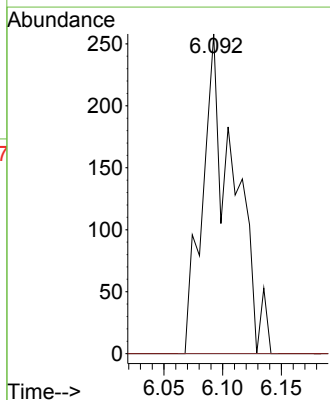
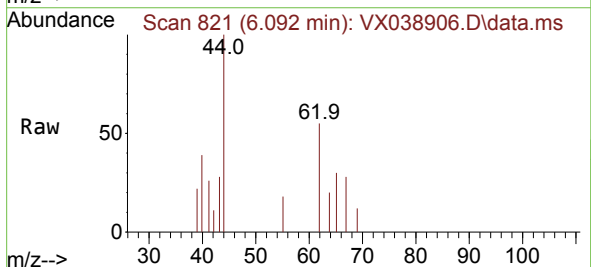


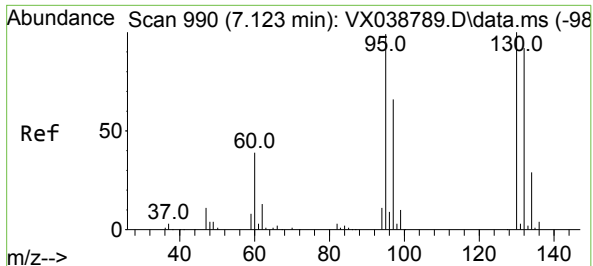
Tgt Ion: 41	Resp:	375
Ion	Ratio	Lower Upper
41	100	
39	17.3	45.2 67.8#
67	29.6	52.6 78.8#
52	0.0	22.7 34.1#



#42
1,2-Dichloroethane
Concen: 0.208 ug/l
RT: 6.092 min Scan# 821
Delta R.T. 0.006 min
Lab File: VX038906.D
Acq: 18 Nov 2023 03:58

Tgt Ion: 62	Resp:	482
Ion	Ratio	Lower Upper
62	100	
98	0.0	0.0 16.0

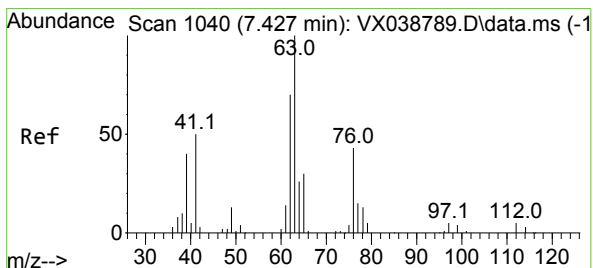
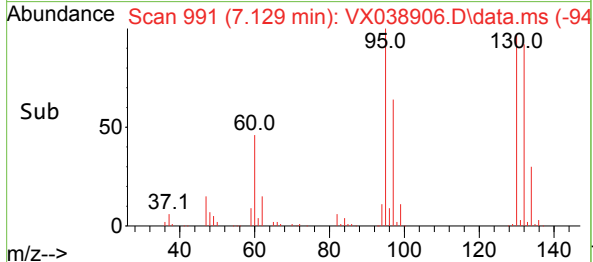
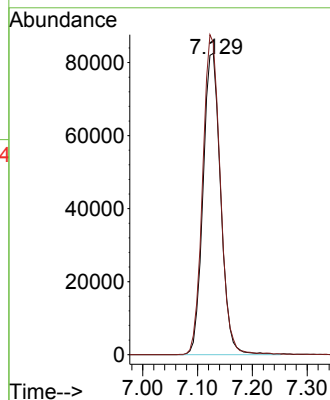
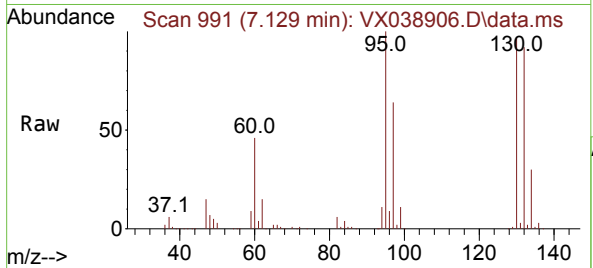




#44
Trichloroethene
Concen: 108.172 ug/l
RT: 7.129 min Scan# 990
Delta R.T. 0.006 min
Lab File: VX038906.D
Acq: 18 Nov 2023 03:58

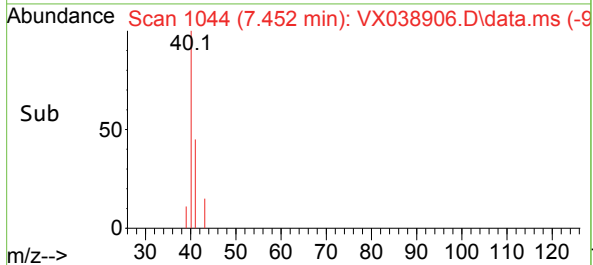
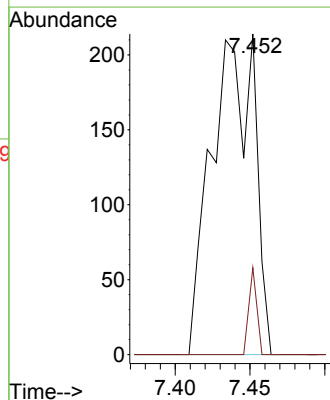
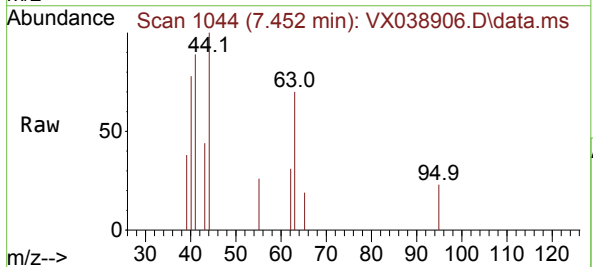
Instrument :
MSVOA_X
ClientSampleId :

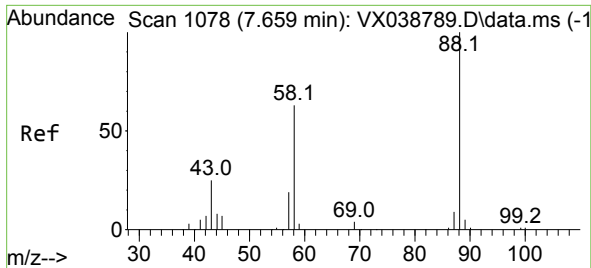
Tgt Ion:130 Resp: 183755
Ion Ratio Lower Upper
130 100
95 103.4 0.0 204.4



#45
1,2-Dichloropropane
Concen: 0.225 ug/l
RT: 7.452 min Scan# 1044
Delta R.T. 0.024 min
Lab File: VX038906.D
Acq: 18 Nov 2023 03:58

Tgt Ion: 63 Resp: 423
Ion Ratio Lower Upper
63 100
65 27.1 24.3 36.5

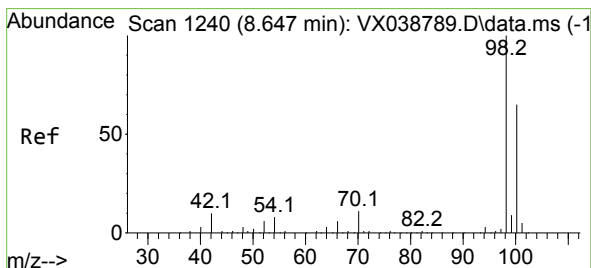
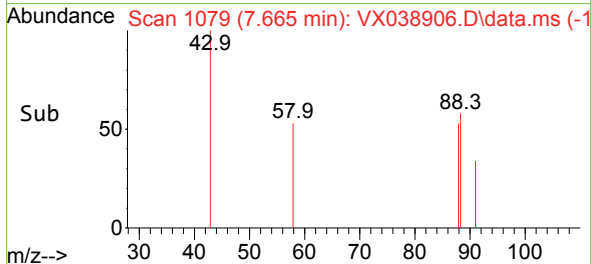
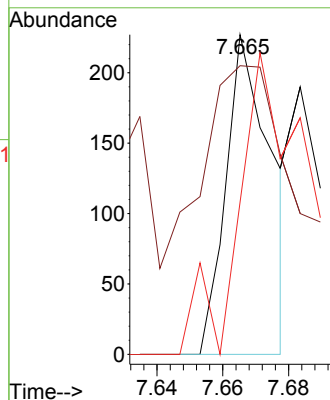
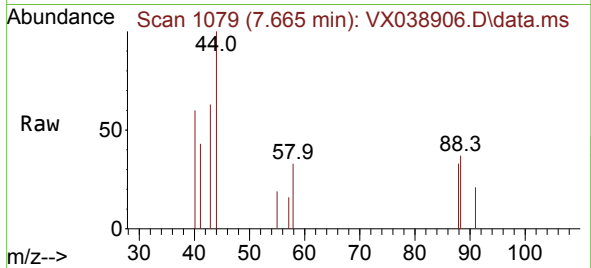




#49
1,4-Dioxane
Concen: 4.749 ug/l
RT: 7.665 min Scan# 1078
Delta R.T. 0.006 min
Lab File: VX038906.D
Acq: 18 Nov 2023 03:58

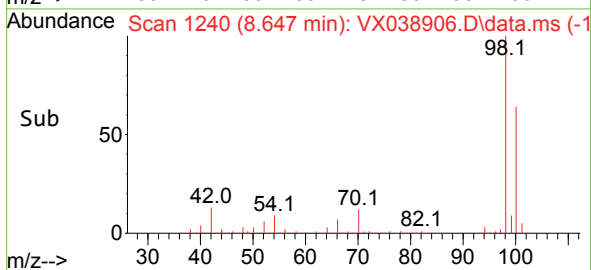
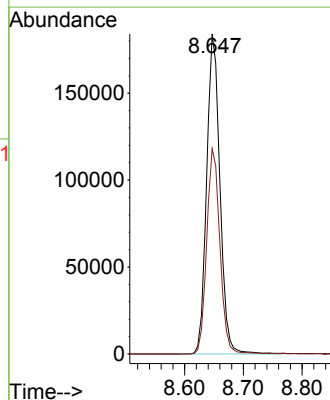
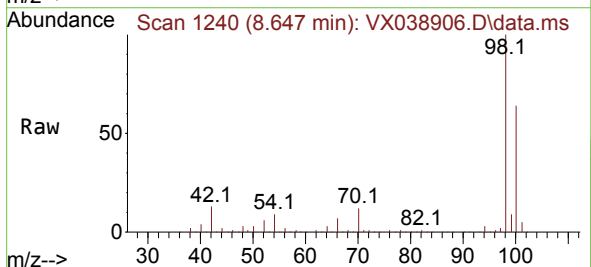
Instrument :
MSVOA_X
ClientSampleId :

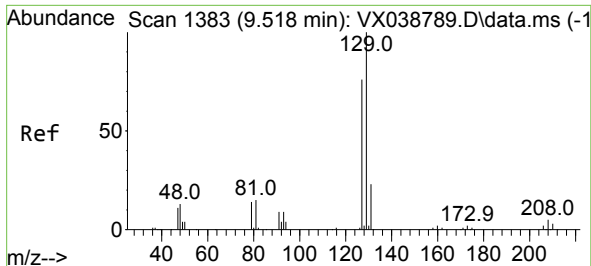
Tgt Ion: 88 Resp: 219
Ion Ratio Lower Upper
88 100
43 115.1 0.0 0.0#
58 151.1 60.1 90.1#



#50
Toluene-d8
Concen: 45.951 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX038906.D
Acq: 18 Nov 2023 03:58

Tgt Ion: 98 Resp: 289444
Ion Ratio Lower Upper
98 100
100 63.8 53.1 79.7

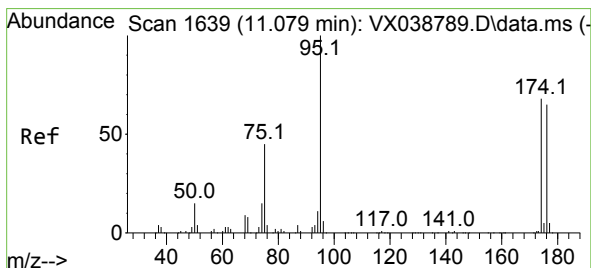
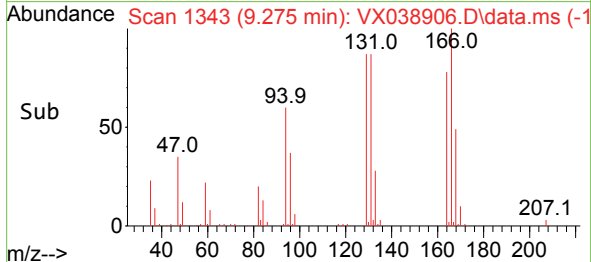
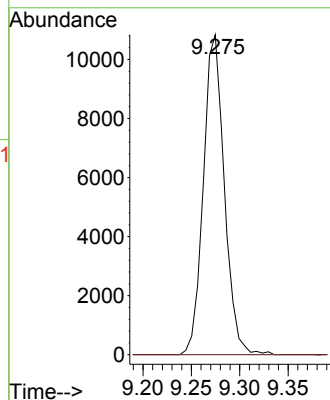
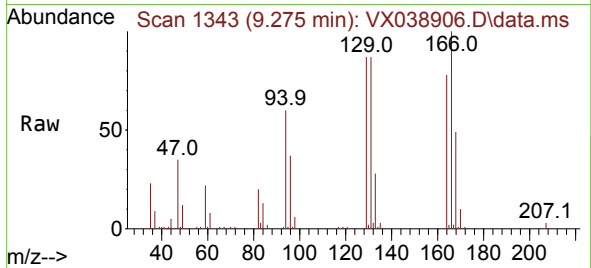




#60
Dibromochloromethane
Concen: 8.915 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.244 min
Lab File: VX038906.D
Acq: 18 Nov 2023 03:58

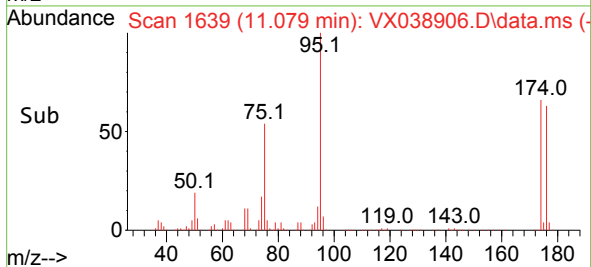
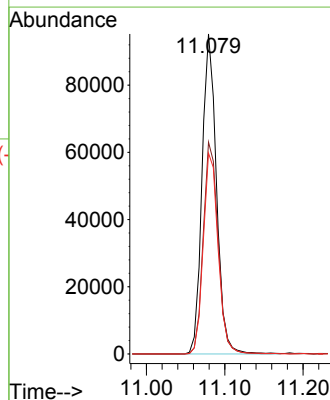
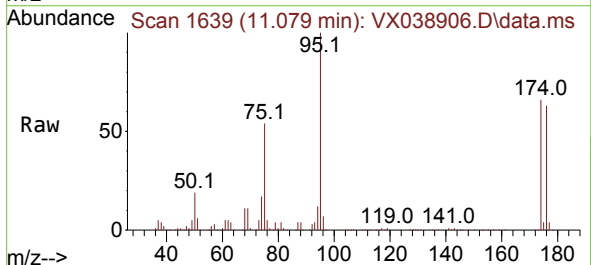
Instrument :
MSVOA_X
ClientSampleId :

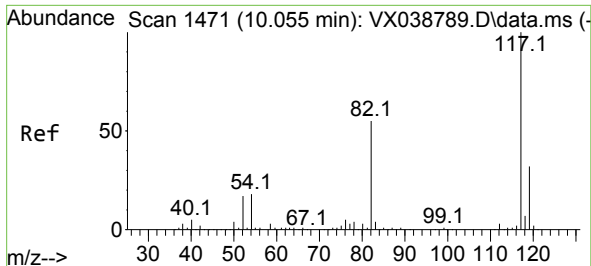
Tgt Ion:129 Resp: 16380
Ion Ratio Lower Upper
129 100
127 0.0 38.8 116.4#



#62
4-Bromofluorobenzene
Concen: 48.277 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX038906.D
Acq: 18 Nov 2023 03:58

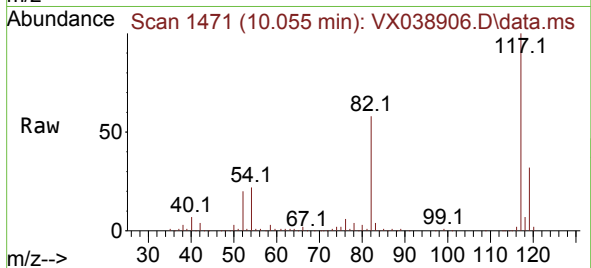
Tgt Ion: 95 Resp: 121731
Ion Ratio Lower Upper
95 100
174 68.3 0.0 135.6
176 64.9 0.0 131.0



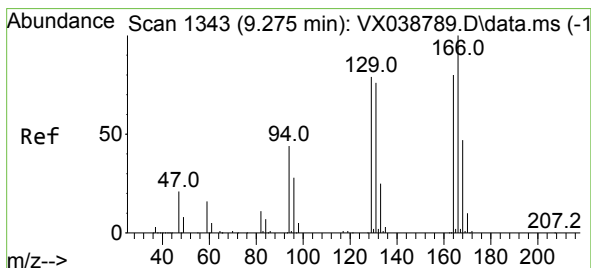
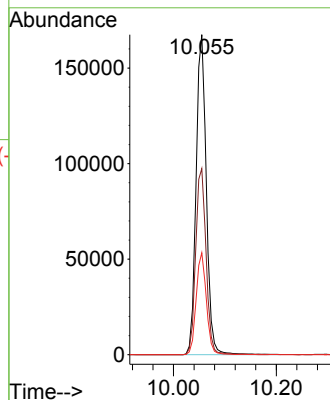
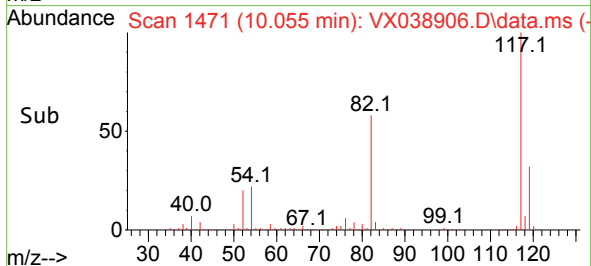


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX038906.D
Acq: 18 Nov 2023 03:58

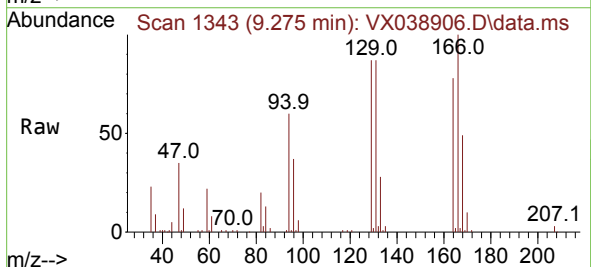
Instrument :
MSVOA_X
ClientSampleId :



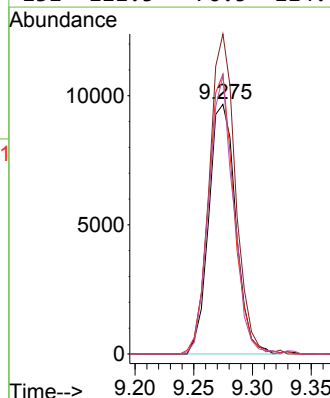
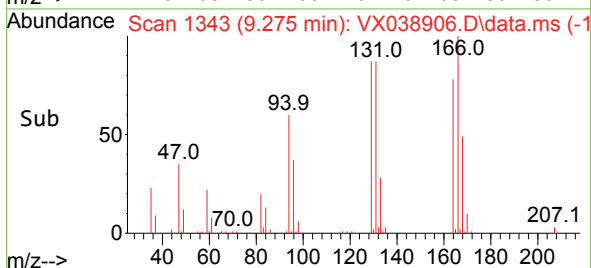
Tgt Ion:117 Resp: 231805
Ion Ratio Lower Upper
117 100
82 58.1 46.2 69.4
119 31.8 25.5 38.3

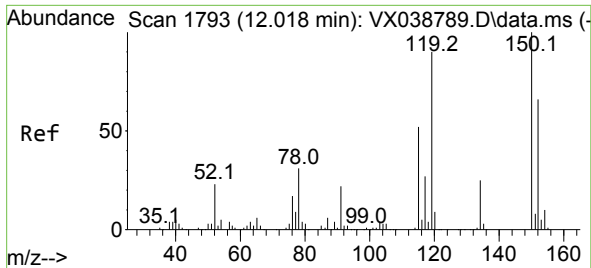


#64
Tetrachloroethene
Concen: 10.707 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.000 min
Lab File: VX038906.D
Acq: 18 Nov 2023 03:58



Tgt Ion:164 Resp: 15427
Ion Ratio Lower Upper
164 100
166 128.2 102.7 154.1
129 112.1 80.4 120.6
131 111.5 76.5 114.7

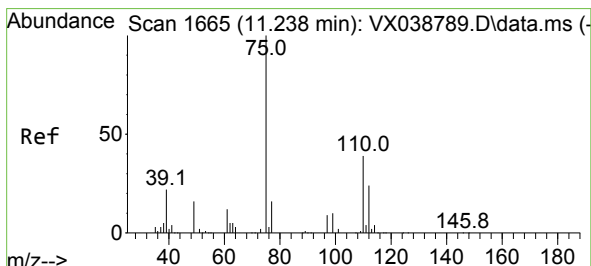
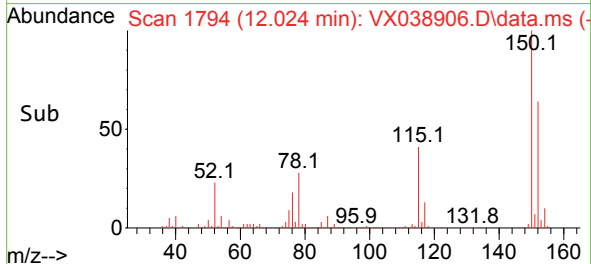
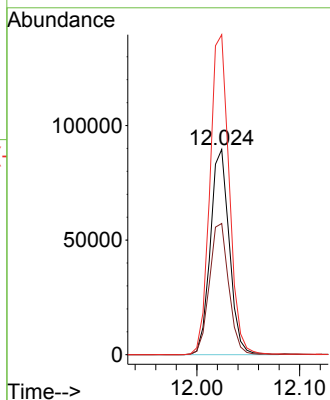
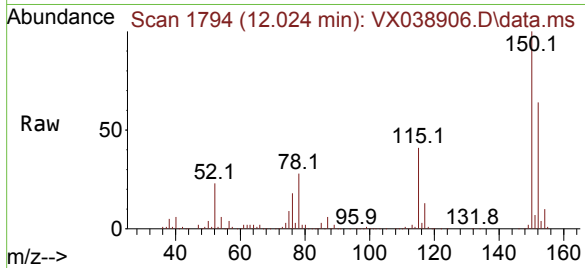




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.006 min
 Lab File: VX038906.D
 Acq: 18 Nov 2023 03:58

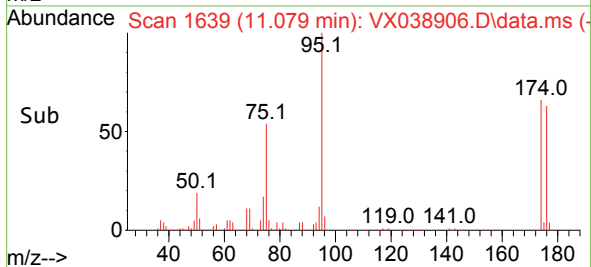
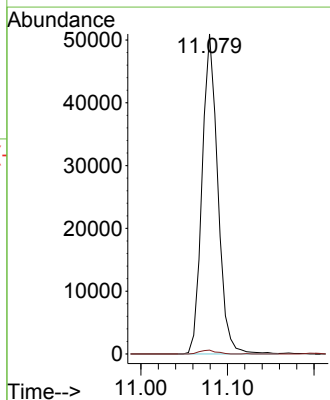
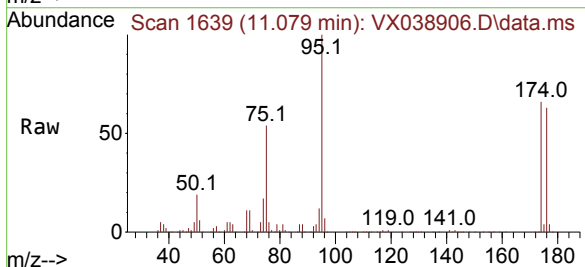
Instrument :
 MSVOA_X
 ClientSampleId :

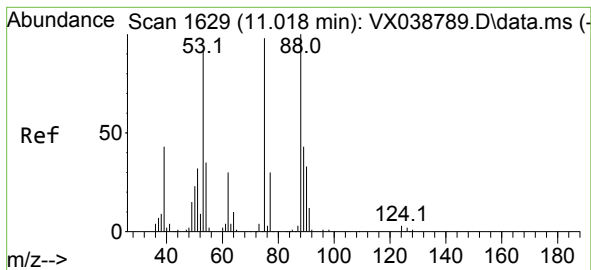
Tgt Ion:152 Resp: 114746
 Ion Ratio Lower Upper
 152 100
 115 65.4 43.3 129.9
 150 158.5 0.0 345.0



#76
 1,2,3-Trichloropropane
 Concen: 22.443 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.158 min
 Lab File: VX038906.D
 Acq: 18 Nov 2023 03:58

Tgt Ion: 75 Resp: 64253
 Ion Ratio Lower Upper
 75 100
 77 1.3 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 49.782 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX038906.D
 Acq: 18 Nov 2023 03:58

Instrument :
 MSVOA_X
 ClientSampleId :

Tgt Ion: 75 Resp: 64253
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.5 135.7#
 89 0.1 36.9 55.3#

