

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082423\
 Data File : VX037227.D
 Acq On : 24 Aug 2023 19:32
 Operator : JC/MD
 Sample : 04051-20
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Aug 24 23:40:49 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081723W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 18 09:30:38 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.550	168	145962	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	244243	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	215943	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	97235	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	92902	44.149	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	88.300%
35) Dibromofluoromethane	5.385	113	74859	46.279	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	92.560%
50) Toluene-d8	8.647	98	284372	48.465	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	96.940%
62) 4-Bromofluorobenzene	11.079	95	105453	45.733	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	91.460%

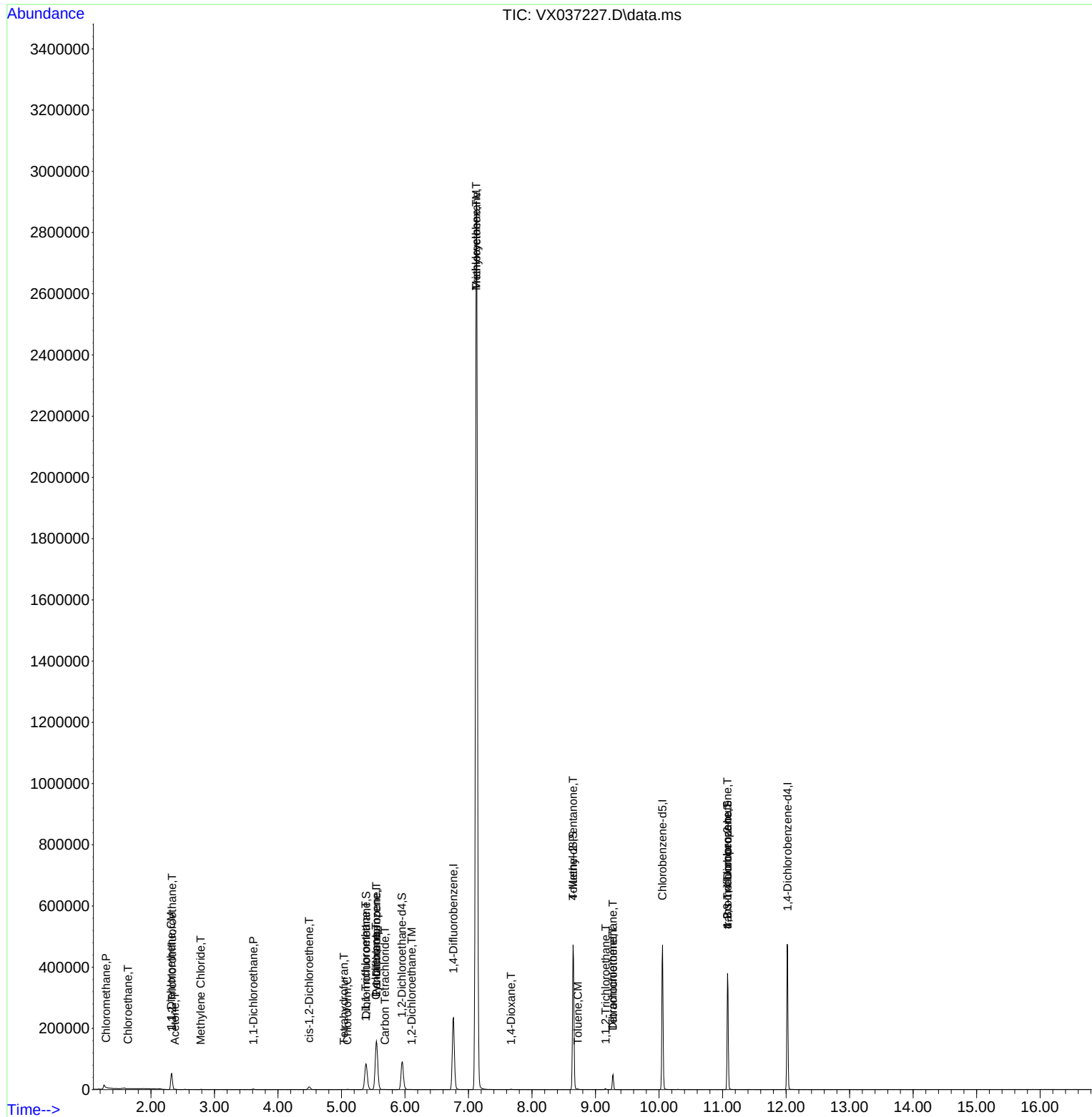
Target Compounds					Qvalue	
3) Chloromethane	1.294	50	582	0.392	ug/l #	43
6) Chloroethane	1.636	64	1800	1.894	ug/l #	45
9) 1,1,2-Trichlorotrifluo...	2.331	101	12826	8.313	ug/l	98
12) 1,1-Dichloroethene	2.319	96	9260	6.163	ug/l	86
16) Acetone	2.380	43	665	0.808	ug/l	96
20) Methylene Chloride	2.782	84	598	0.325	ug/l #	75
24) 1,1-Dichloroethane	3.611	63	2405	0.804	ug/l #	90
27) cis-1,2-Dichloroethene	4.489	96	6133	3.046	ug/l	81
29) Tetrahydrofuran	5.038	42	291	0.368	ug/l #	34
30) Chloroform	5.092	83	1391	0.414	ug/l	86
31) Cyclohexane	5.544	56	2728	1.153	ug/l #	1
32) 1,1,1-Trichloroethane	5.379	97	742	0.246	ug/l #	45
36) 1,1-Dichloropropene	5.550	75	11567	5.033	ug/l #	51
38) Carbon Tetrachloride	5.684	117	581	0.233	ug/l #	64
39) Methylcyclohexane	7.123	83	13698	5.673	ug/l #	1
42) 1,2-Dichloroethane	6.104	62	567	0.219	ug/l #	77
44) Trichloroethene	7.123	130	1164203	622.929	ug/l	97
49) 1,4-Dioxane	7.671	88	1373	28.049	ug/l #	87
51) 4-Methyl-2-Pentanone	8.647	43	1047	0.463	ug/l #	1
52) Toluene	8.720	92	920	0.211	ug/l	81
55) 1,1,2-Trichloroethane	9.159	97	980	0.553	ug/l	93
60) Dibromochloromethane	9.275	129	8868	4.697	ug/l #	11
64) Tetrachloroethene	9.275	164	8859	5.624	ug/l	96
76) 1,2,3-Trichloropropane	11.079	75	54450	26.294	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	54450	73.441	ug/l #	5

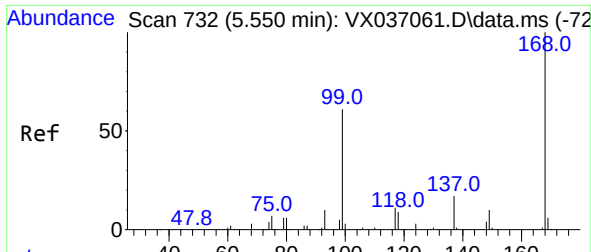
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VX037227.D
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Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

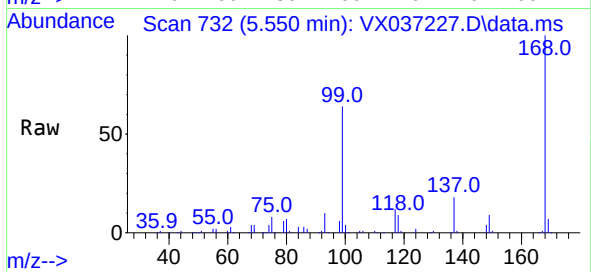
Quant Time: Aug 24 23:40:49 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081723W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 18 09:30:38 2023
Response via : Initial Calibration



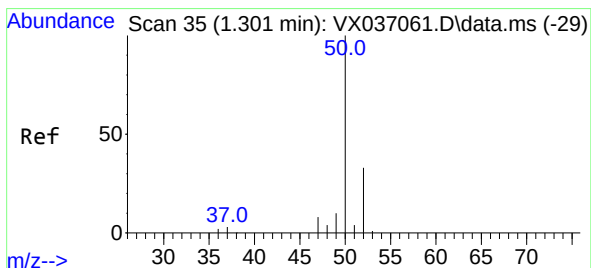
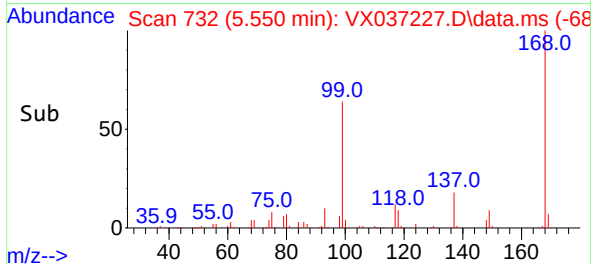
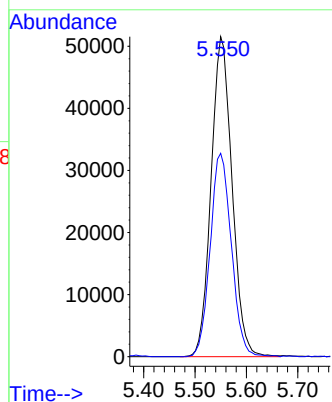


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX037227.D
Acq: 24 Aug 2023 19:32

Instrument :
MSVOA_X
ClientSampleId :

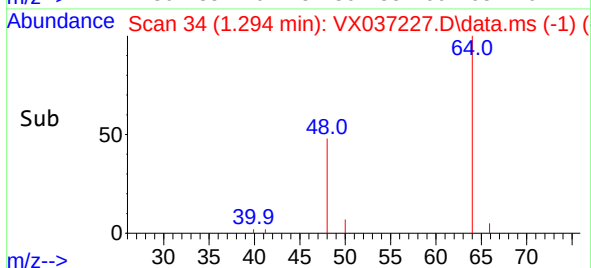
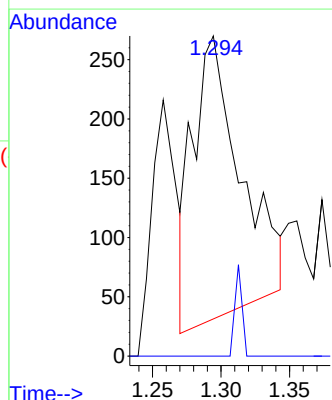
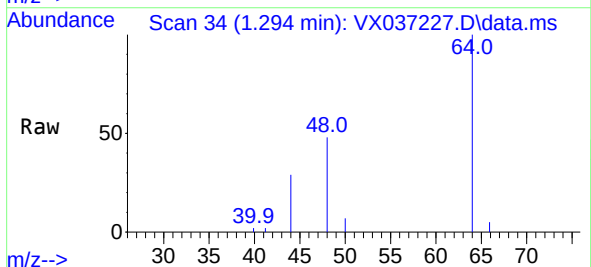


Tgt Ion:168 Resp: 145962
Ion Ratio Lower Upper
168 100
99 63.6 56.6 85.0

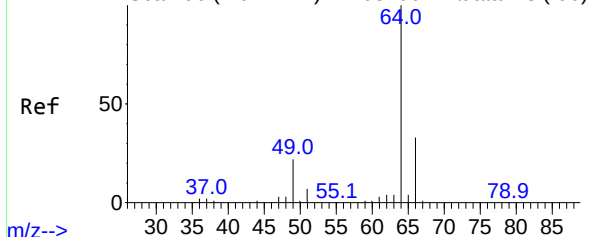


#3
Chloromethane
Concen: 0.392 ug/l
RT: 1.294 min Scan# 34
Delta R.T. -0.006 min
Lab File: VX037227.D
Acq: 24 Aug 2023 19:32

Tgt Ion: 50 Resp: 582
Ion Ratio Lower Upper
50 100
52 0.0 25.5 38.3#

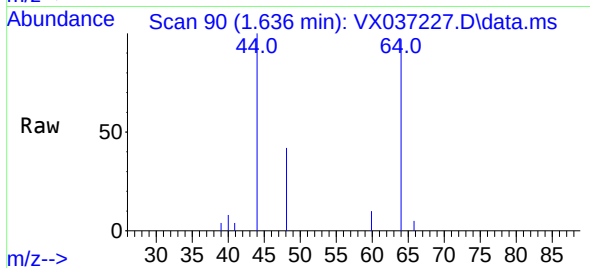


Abundance Scan 96 (1.672 min): VX037061.D\data.ms (-90)

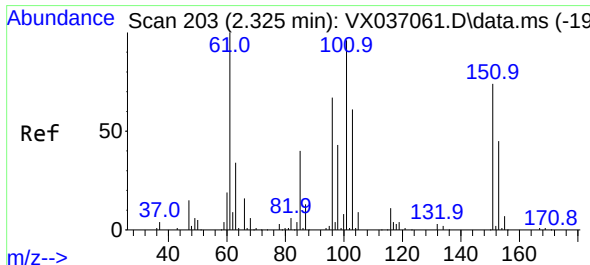
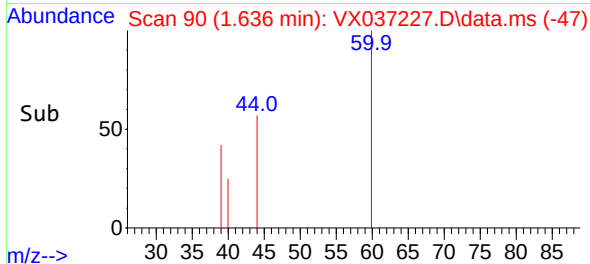
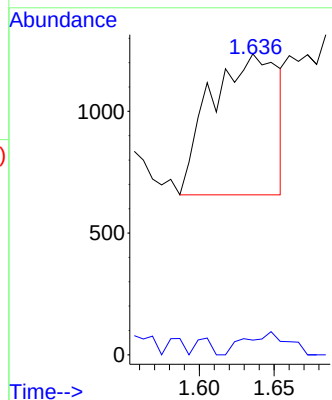


#6
Chloroethane
Concen: 1.894 ug/l
RT: 1.636 min Scan# 90
Delta R.T. -0.036 min
Lab File: VX037227.D
Acq: 24 Aug 2023 19:32

Instrument :
MSVOA_X
ClientSampleId :

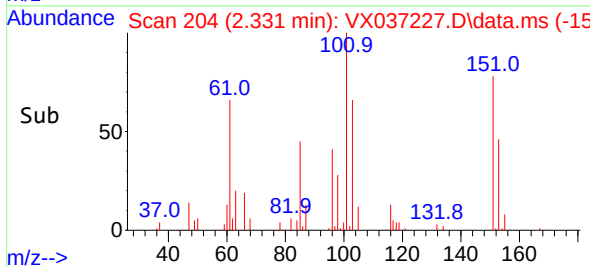
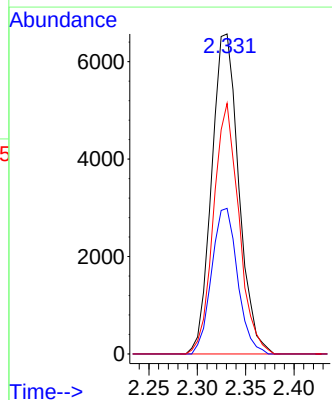
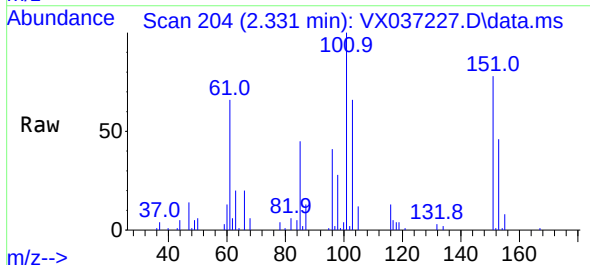


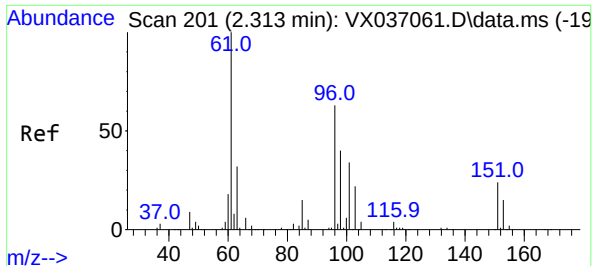
Tgt Ion: 64 Resp: 1800
Ion Ratio Lower Upper
64 100
66 0.9 25.1 37.7#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 8.313 ug/l
RT: 2.331 min Scan# 204
Delta R.T. 0.006 min
Lab File: VX037227.D
Acq: 24 Aug 2023 19:32

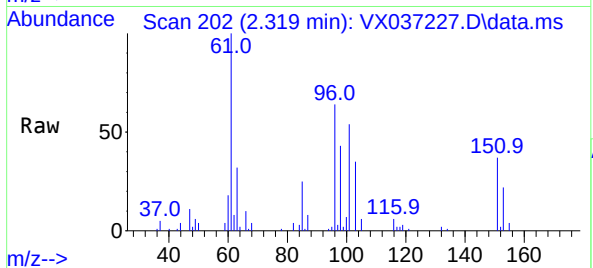
Tgt Ion: 101 Resp: 12826
Ion Ratio Lower Upper
101 100
85 43.5 37.0 55.6
151 73.3 58.6 87.8



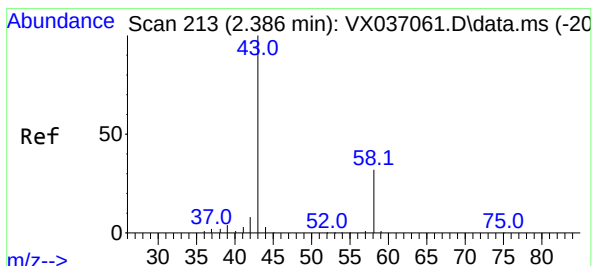
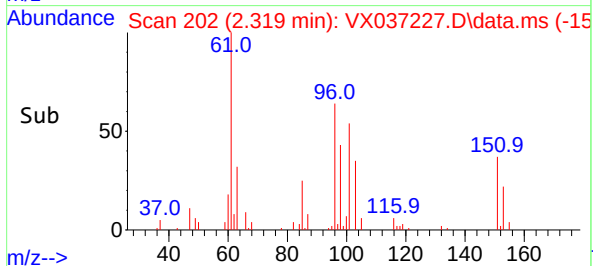
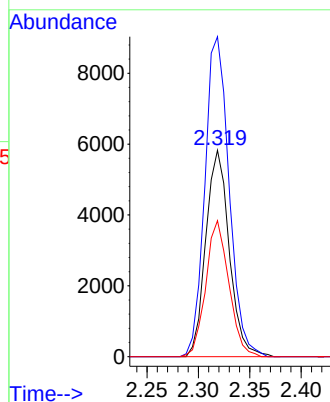


#12
1,1-Dichloroethene
Concen: 6.163 ug/l
RT: 2.319 min Scan# 201
Delta R.T. 0.006 min
Lab File: VX037227.D
Acq: 24 Aug 2023 19:32

Instrument :
MSVOA_X
ClientSampleId :

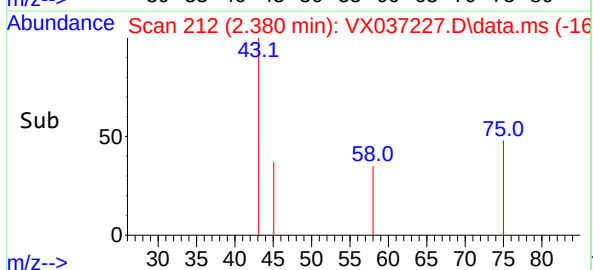
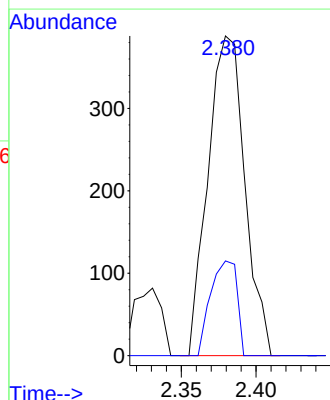
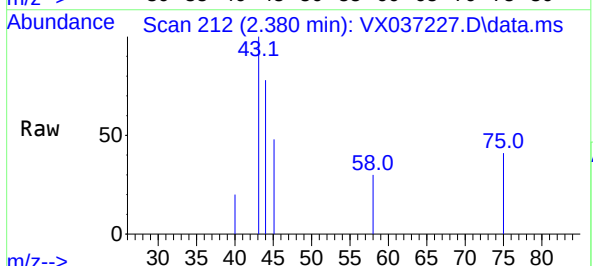


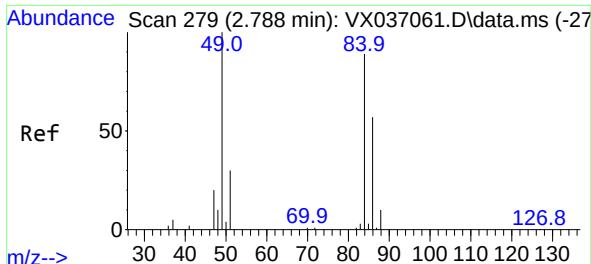
Tgt Ion: 96 Resp: 9260
Ion Ratio Lower Upper
96 100
61 155.1 144.6 216.8
98 65.9 50.4 75.6



#16
Acetone
Concen: 0.808 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX037227.D
Acq: 24 Aug 2023 19:32

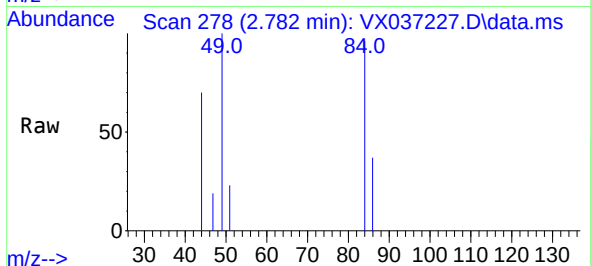
Tgt Ion: 43 Resp: 665
Ion Ratio Lower Upper
43 100
58 29.6 21.9 32.9





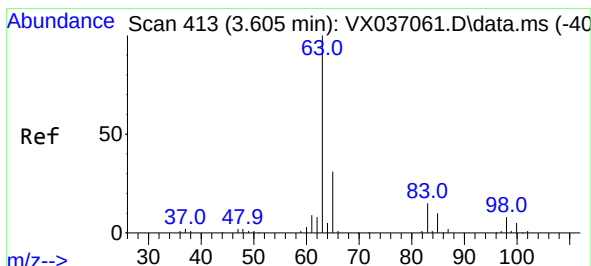
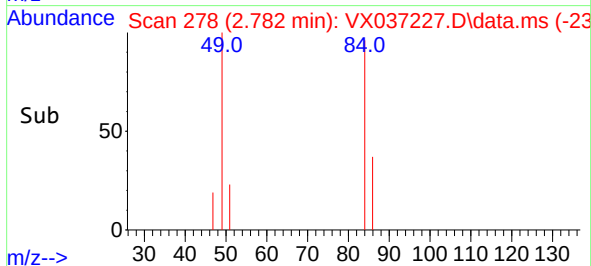
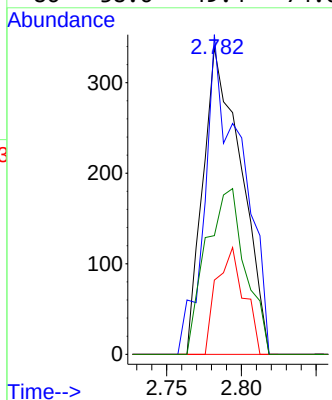
#20
Methylene Chloride
Concen: 0.325 ug/l
RT: 2.782 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX037227.D
Acq: 24 Aug 2023 19:32

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion: 84 Resp: 598

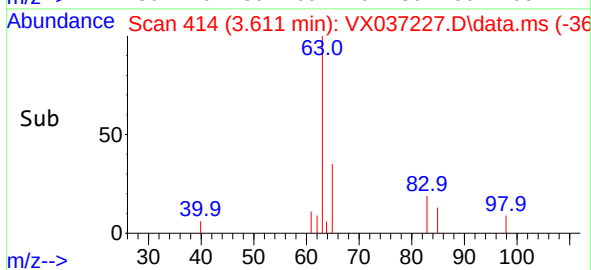
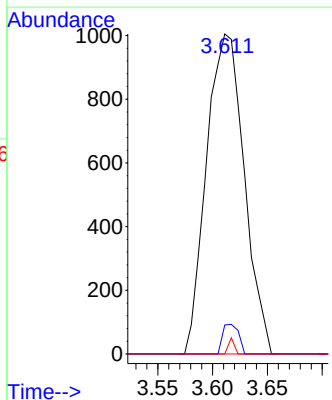
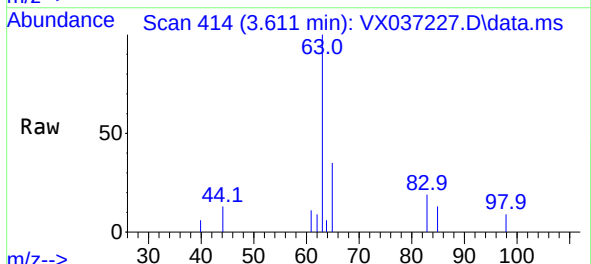
Ion	Ratio	Lower	Upper
84	100		
49	104.1	103.6	155.4
51	24.2	33.8	50.6#
86	38.6	49.4	74.0#

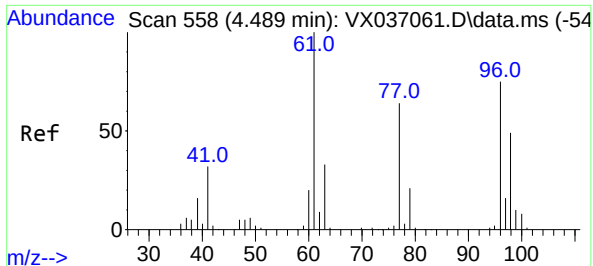


#24
1,1-Dichloroethane
Concen: 0.804 ug/l
RT: 3.611 min Scan# 414
Delta R.T. 0.006 min
Lab File: VX037227.D
Acq: 24 Aug 2023 19:32

Tgt Ion: 63 Resp: 2405

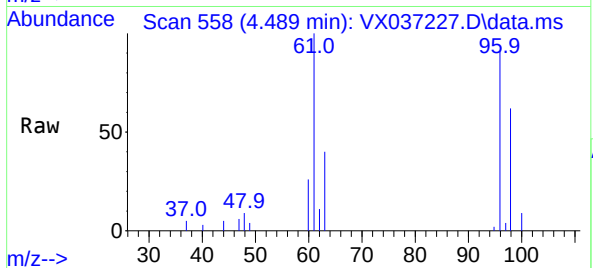
Ion	Ratio	Lower	Upper
63	100		
98	9.1	3.3	9.8
100	0.0	2.1	6.5#





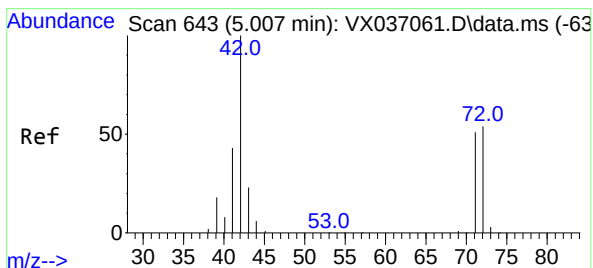
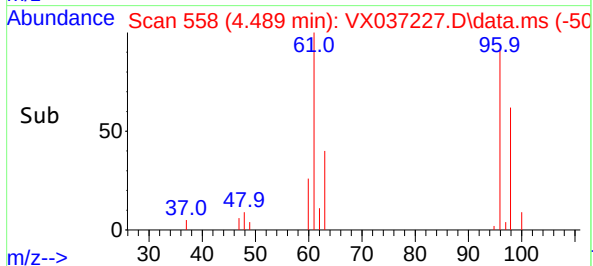
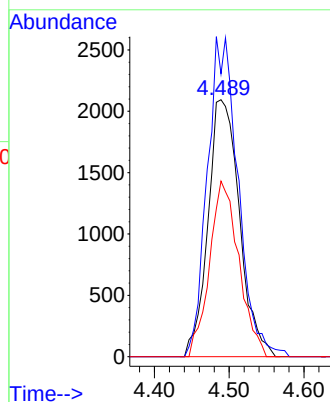
#27
 cis-1,2-Dichloroethene
 Concen: 3.046 ug/l
 RT: 4.489 min Scan# 51
 Delta R.T. -0.000 min
 Lab File: VX037227.D
 Acq: 24 Aug 2023 19:32

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion: 96 Resp: 6133

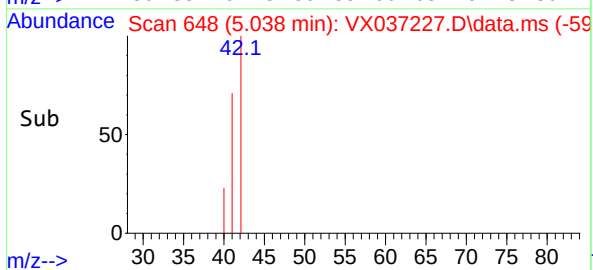
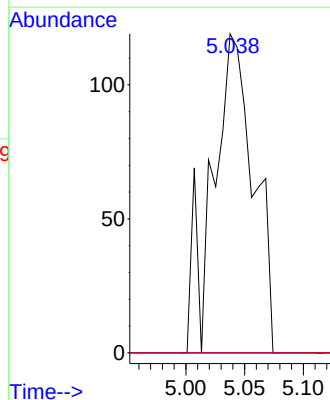
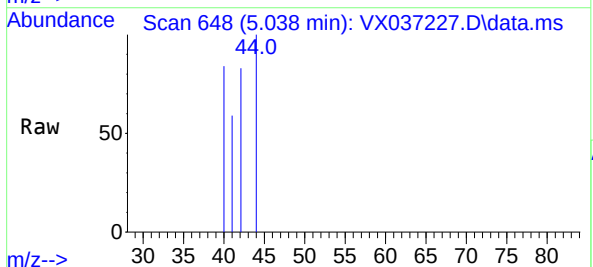
Ion	Ratio	Lower	Upper
96	100		
61	121.7	0.0	312.2
98	63.6	0.0	129.0

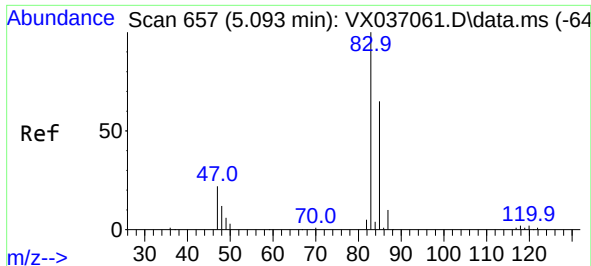


#29
 Tetrahydrofuran
 Concen: 0.368 ug/l
 RT: 5.038 min Scan# 648
 Delta R.T. 0.030 min
 Lab File: VX037227.D
 Acq: 24 Aug 2023 19:32

Tgt Ion: 42 Resp: 291

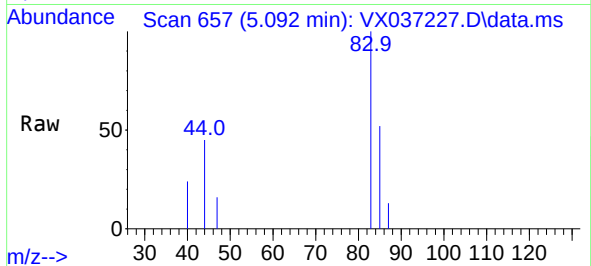
Ion	Ratio	Lower	Upper
42	100		
72	0.0	34.2	51.4#
71	0.0	32.2	48.2#



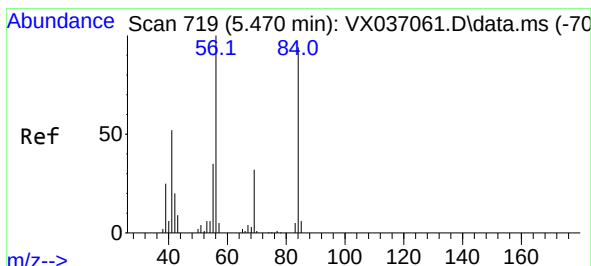
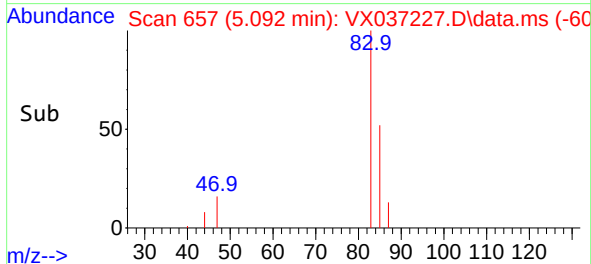
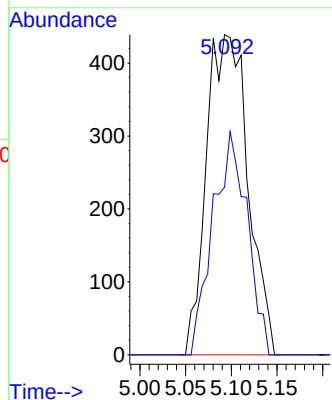


#30
Chloroform
Concen: 0.414 ug/l
RT: 5.092 min Scan# 61
Delta R.T. -0.000 min
Lab File: VX037227.D
Acq: 24 Aug 2023 19:32

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ClientSampleId :

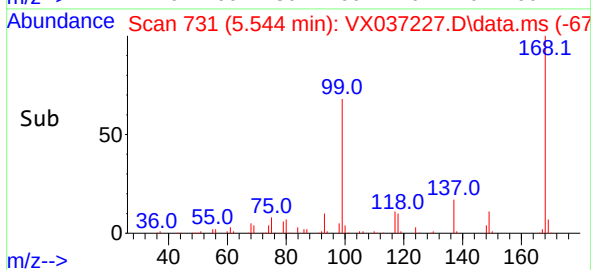
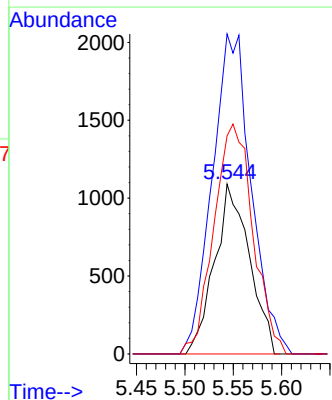
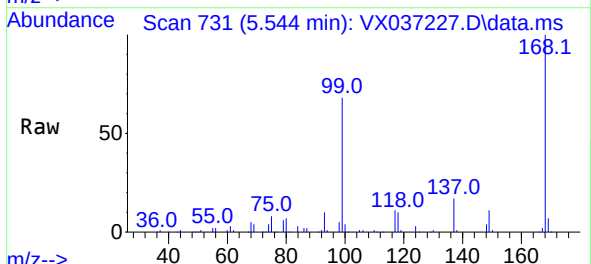


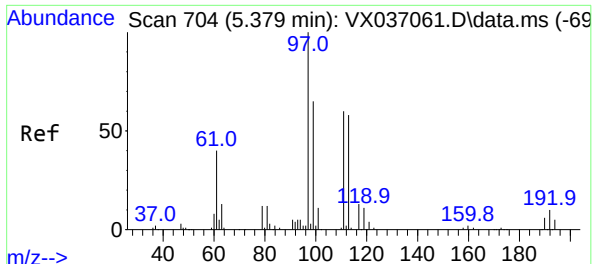
Tgt Ion: 83 Resp: 1391
Ion Ratio Lower Upper
83 100
85 52.4 50.3 75.5



#31
Cyclohexane
Concen: 1.153 ug/l
RT: 5.544 min Scan# 731
Delta R.T. 0.073 min
Lab File: VX037227.D
Acq: 24 Aug 2023 19:32

Tgt Ion: 56 Resp: 2728
Ion Ratio Lower Upper
56 100
69 188.3 23.4 35.2#
84 128.3 65.9 98.9#

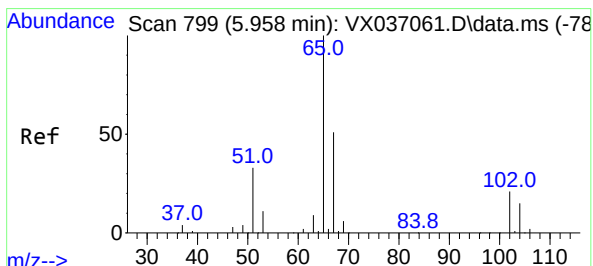
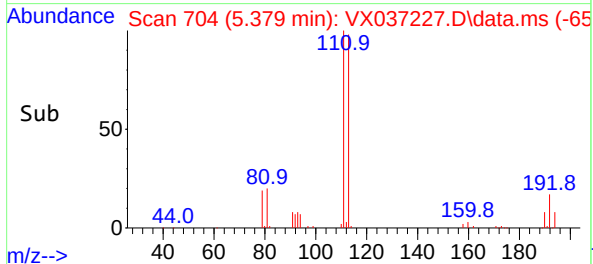
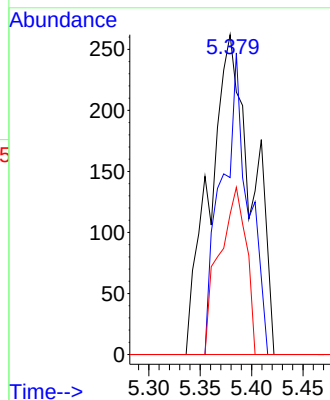
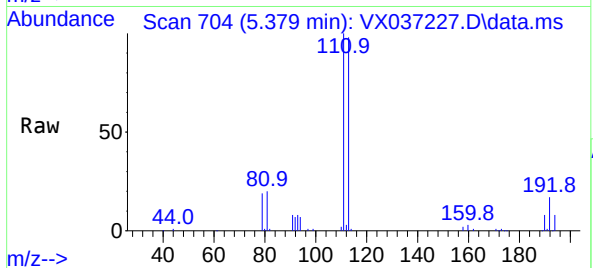




#32
1,1,1-Trichloroethane
Concen: 0.246 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX037227.D
Acq: 24 Aug 2023 19:32

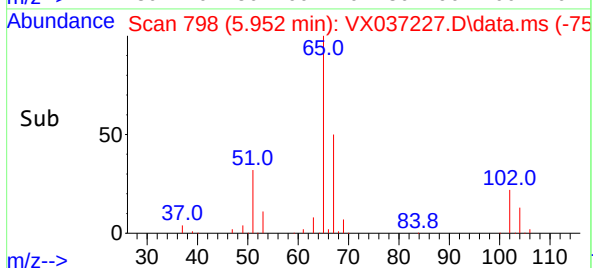
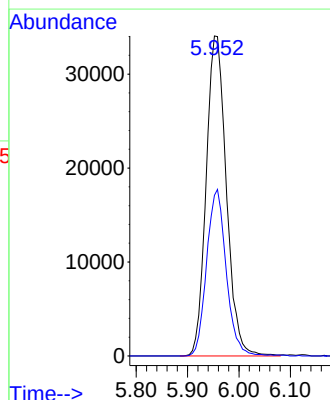
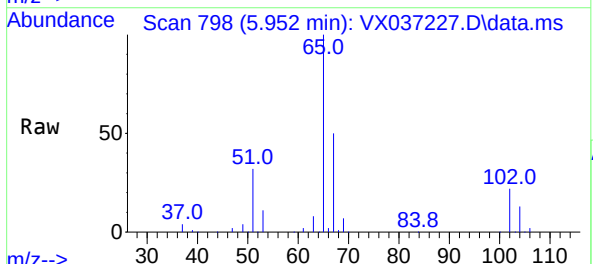
Instrument :
MSVOA_X
ClientSampleId :

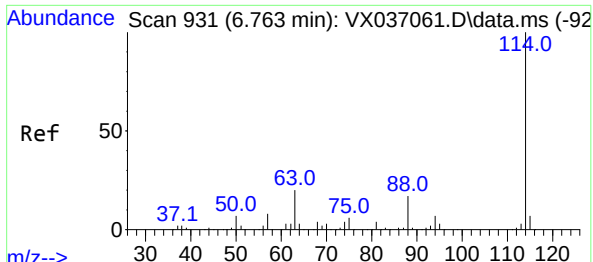
Tgt Ion: 97 Resp: 742
Ion Ratio Lower Upper
97 100
99 0.0 51.1 76.7#
61 33.4 36.4 54.6#



#33
1,2-Dichloroethane-d4
Concen: 44.149 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.006 min
Lab File: VX037227.D
Acq: 24 Aug 2023 19:32

Tgt Ion: 65 Resp: 92902
Ion Ratio Lower Upper
65 100
67 50.6 0.0 100.2



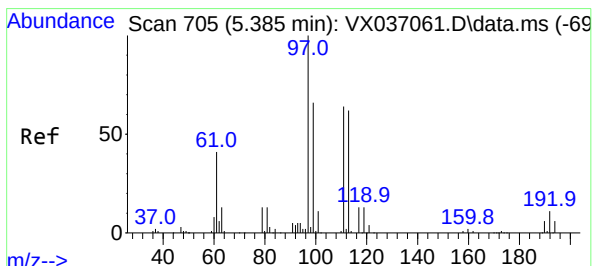
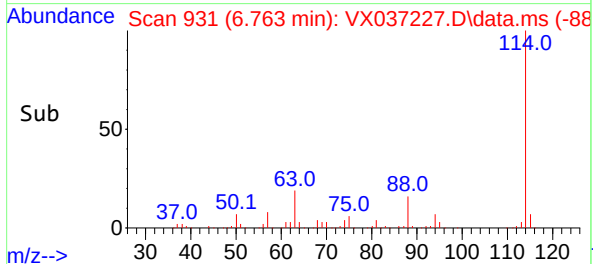
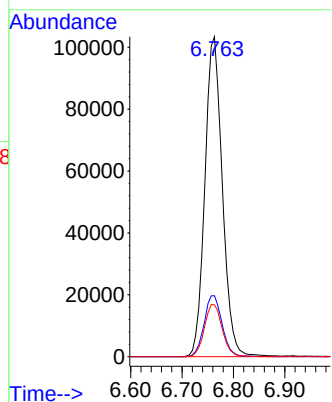
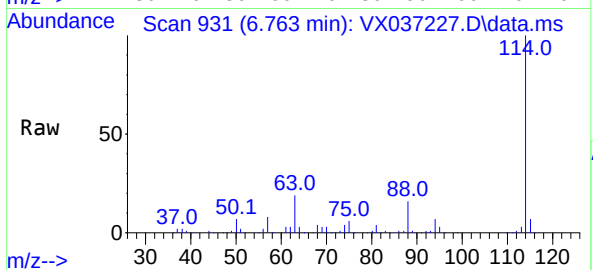


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 911
Delta R.T. -0.000 min
Lab File: VX037227.D
Acq: 24 Aug 2023 19:32

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion:114 Resp: 244243

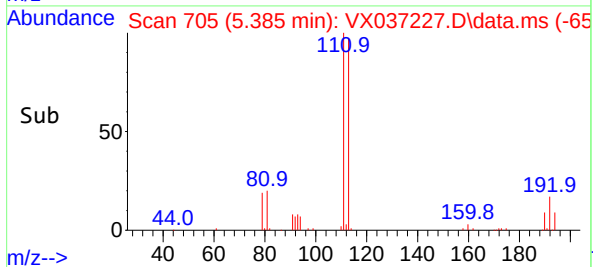
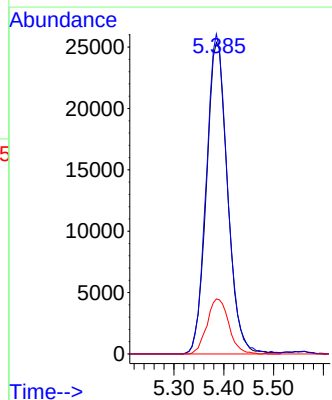
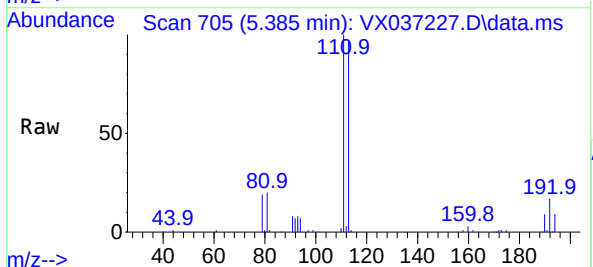
Ion	Ratio	Lower	Upper
114	100		
63	19.1	0.0	45.0
88	16.2	0.0	36.6

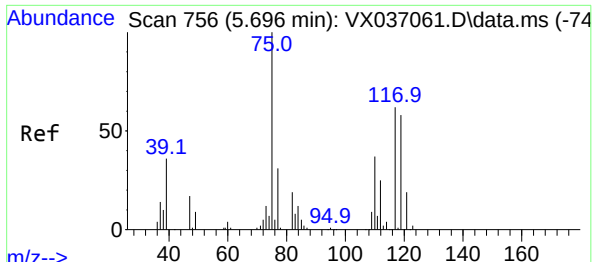


#35
Dibromofluoromethane
Concen: 46.279 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX037227.D
Acq: 24 Aug 2023 19:32

Tgt Ion:113 Resp: 74859

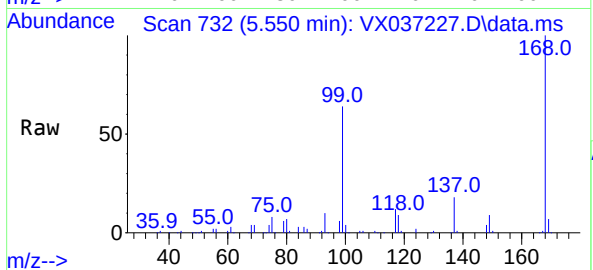
Ion	Ratio	Lower	Upper
113	100		
111	102.0	82.9	124.3
192	18.1	13.3	19.9



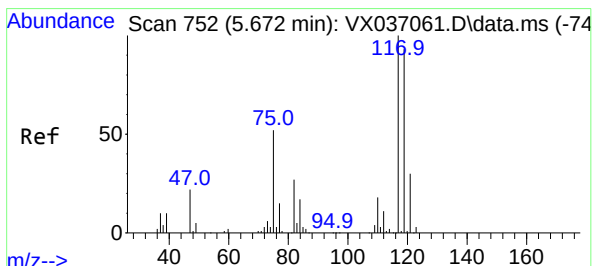
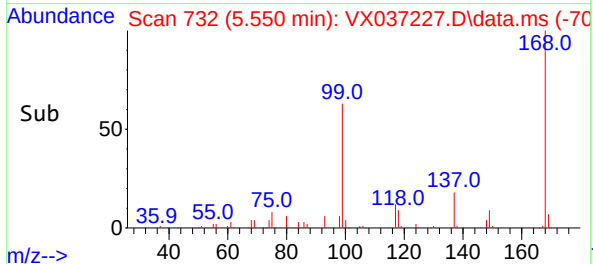
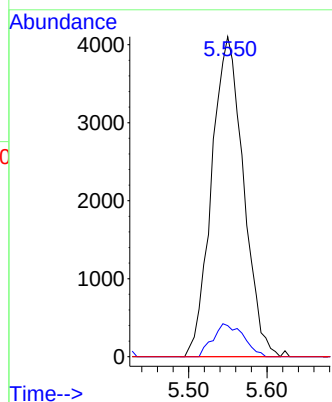


#36
1,1-Dichloropropene
Concen: 5.033 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX037227.D
Acq: 24 Aug 2023 19:32

Instrument :
MSVOA_X
ClientSampleId :

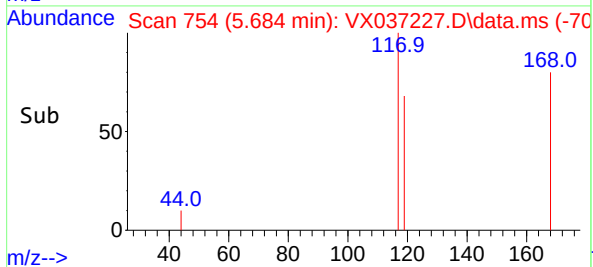
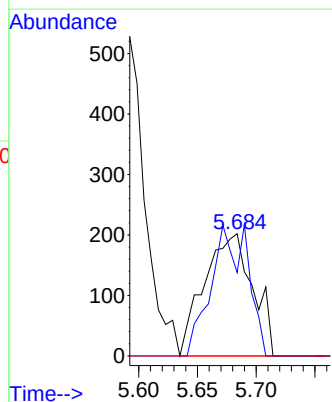
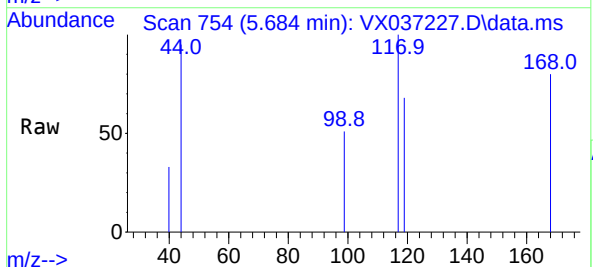


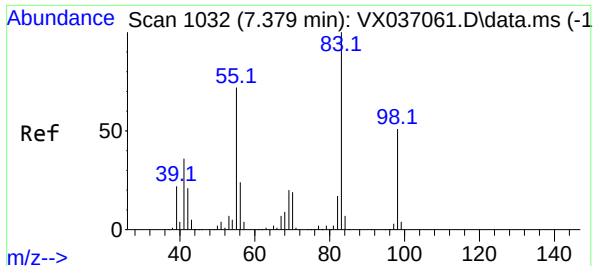
Tgt Ion: 75 Resp: 11567
Ion Ratio Lower Upper
75 100
110 9.8 17.0 50.9#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 0.233 ug/l
RT: 5.684 min Scan# 754
Delta R.T. 0.012 min
Lab File: VX037227.D
Acq: 24 Aug 2023 19:32

Tgt Ion: 117 Resp: 581
Ion Ratio Lower Upper
117 100
119 68.3 78.2 117.2#
121 0.0 24.4 36.6#





#39

Methylcyclohexane

Concen: 5.673 ug/l

RT: 7.123 min Scan# 91

Delta R.T. -0.256 min

Lab File: VX037227.D

Acq: 24 Aug 2023 19:32

Instrument :

MSVOA_X

ClientSampleId :

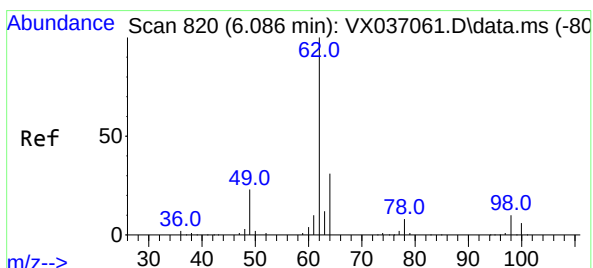
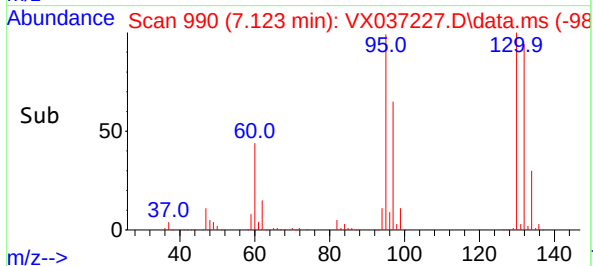
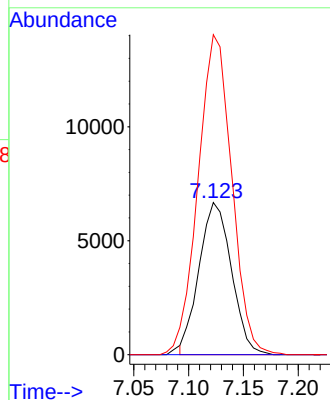
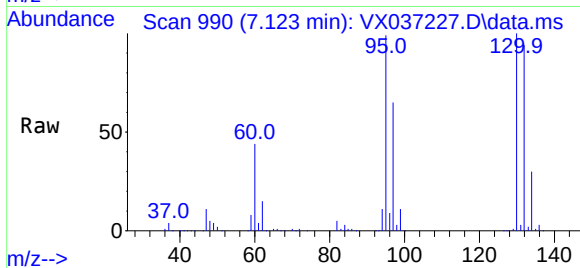
Tgt Ion: 83 Resp: 13698

Ion Ratio Lower Upper

83 100

55 0.0 64.6 97.0#

98 209.4 36.7 55.1#



#42

1,2-Dichloroethane

Concen: 0.219 ug/l

RT: 6.104 min Scan# 823

Delta R.T. 0.018 min

Lab File: VX037227.D

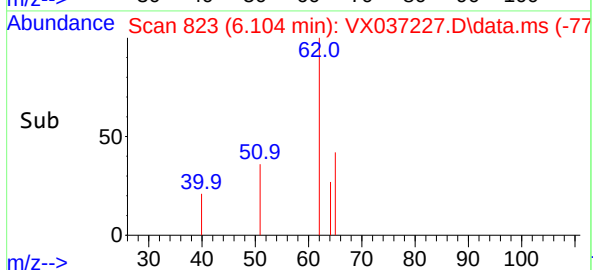
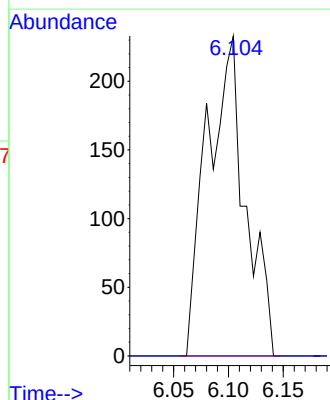
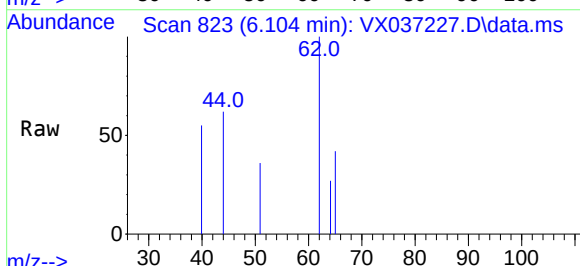
Acq: 24 Aug 2023 19:32

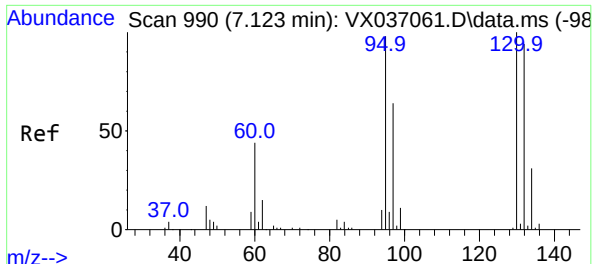
Tgt Ion: 62 Resp: 567

Ion Ratio Lower Upper

62 100

98 0.0 0.0 16.0

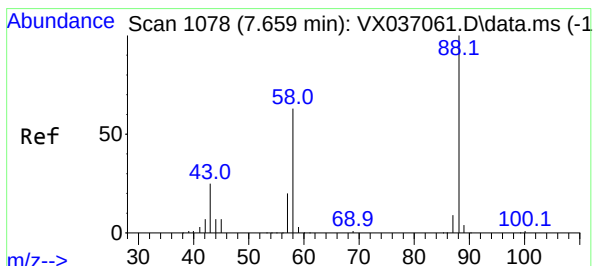
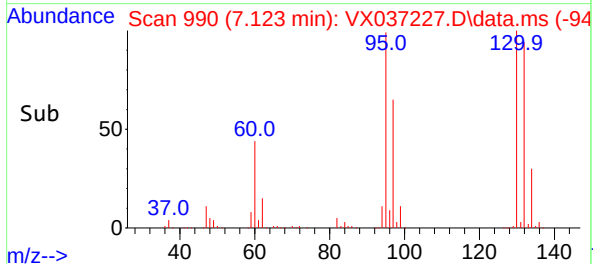
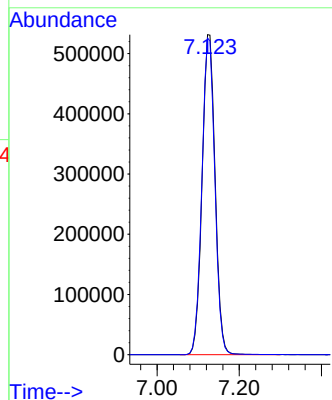
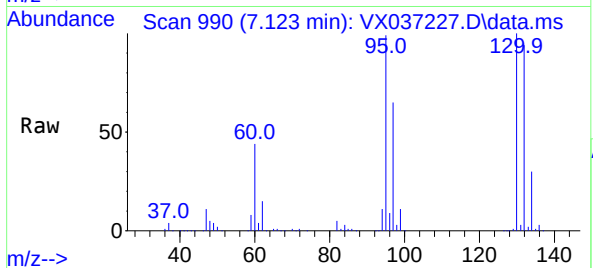




#44
Trichloroethene
Concen: 622.929 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX037227.D
Acq: 24 Aug 2023 19:32

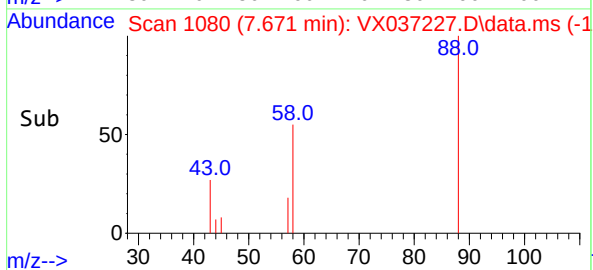
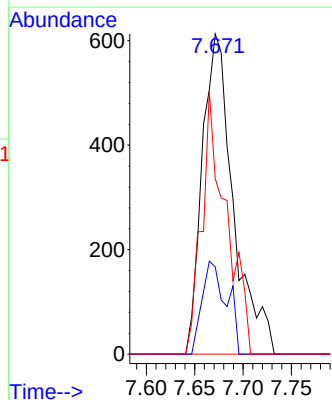
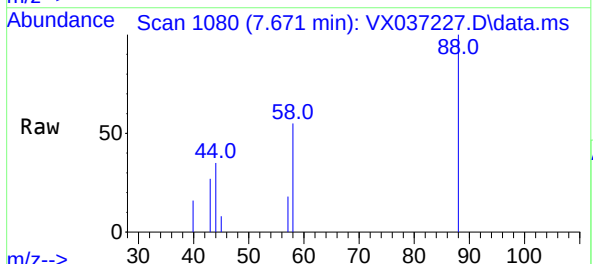
Instrument :
MSVOA_X
ClientSampleId :

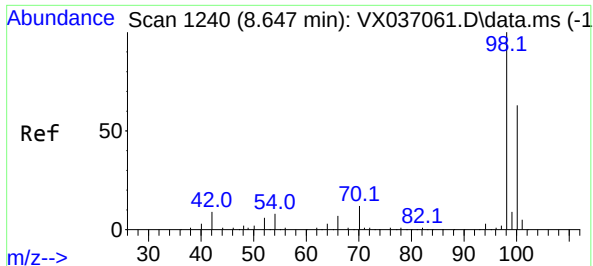
Tgt Ion:130 Resp: 1164203
Ion Ratio Lower Upper
130 100
95 99.0 0.0 204.4



#49
1,4-Dioxane
Concen: 28.049 ug/l
RT: 7.671 min Scan# 1080
Delta R.T. 0.012 min
Lab File: VX037227.D
Acq: 24 Aug 2023 19:32

Tgt Ion: 88 Resp: 1373
Ion Ratio Lower Upper
88 100
43 22.7 0.0 0.0#
58 64.4 60.1 90.1

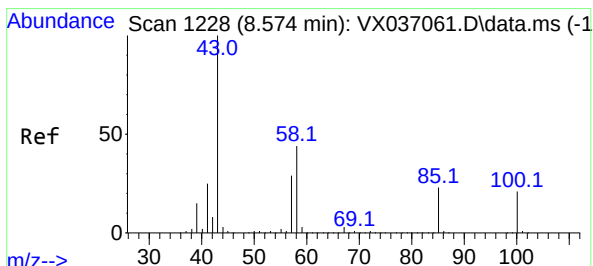
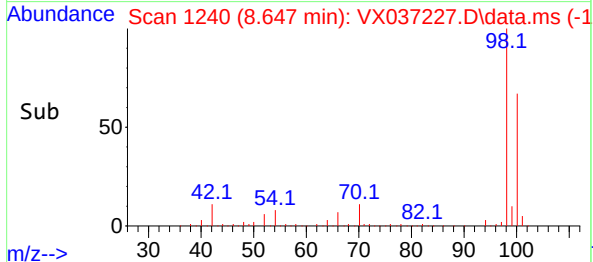
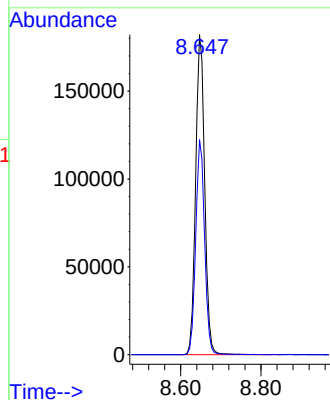
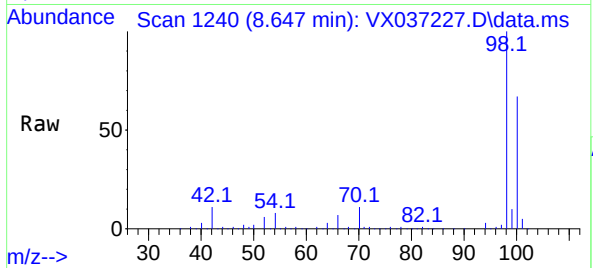




#50
Toluene-d8
Concen: 48.465 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX037227.D
Acq: 24 Aug 2023 19:32

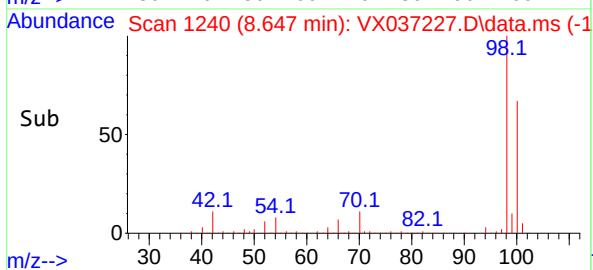
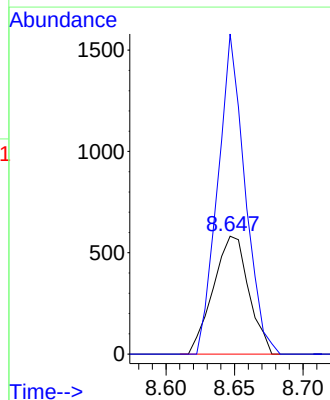
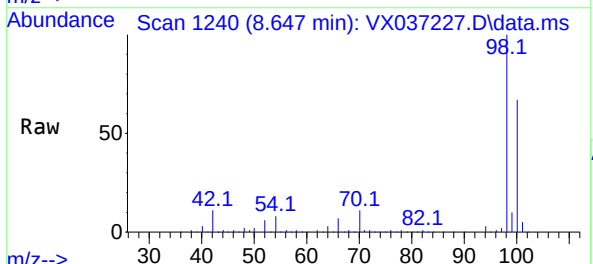
Instrument :
MSVOA_X
ClientSampleId :

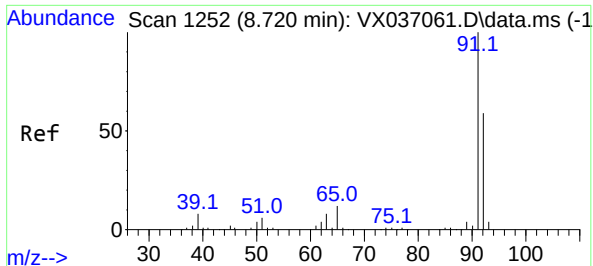
Tgt Ion: 98 Resp: 284372
Ion Ratio Lower Upper
98 100
100 66.0 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 0.463 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.073 min
Lab File: VX037227.D
Acq: 24 Aug 2023 19:32

Tgt Ion: 43 Resp: 1047
Ion Ratio Lower Upper
43 100
58 208.1 30.4 45.6#

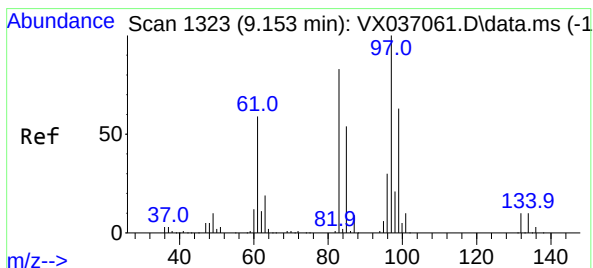
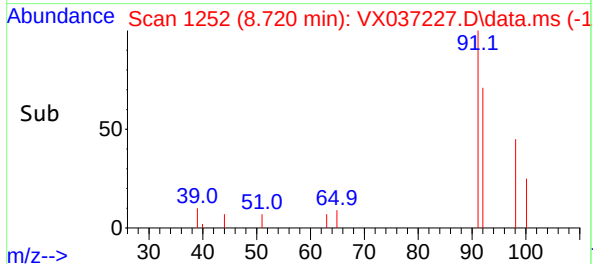
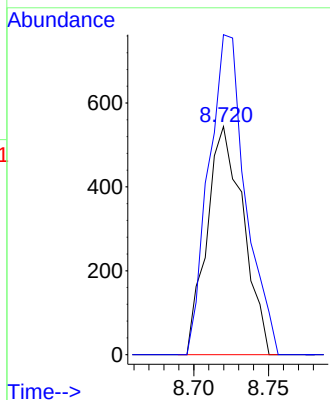
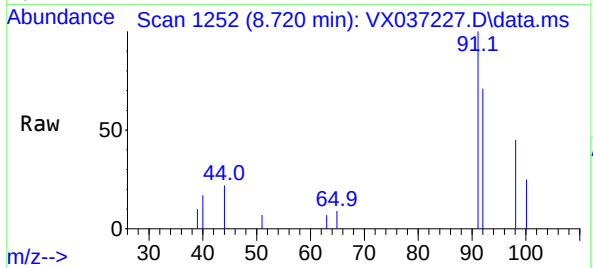




#52
Toluene
Concen: 0.211 ug/l
RT: 8.720 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX037227.D
Acq: 24 Aug 2023 19:32

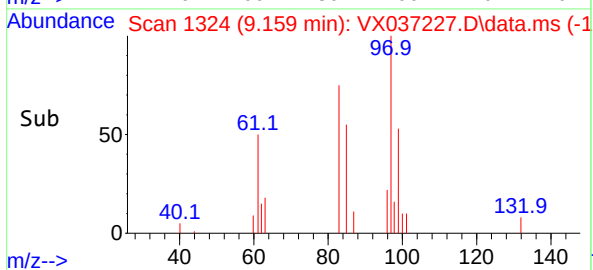
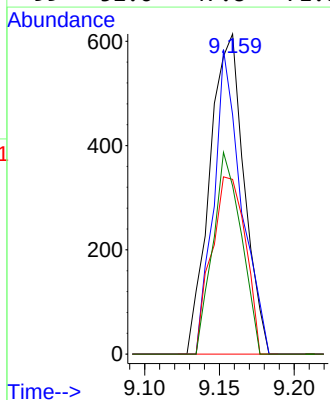
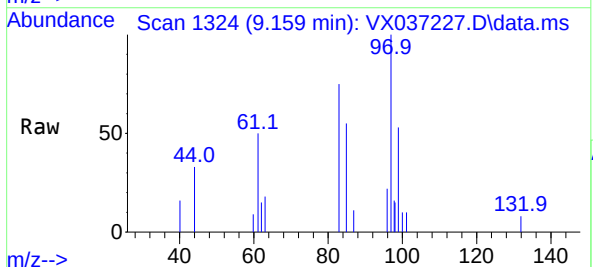
Instrument :
MSVOA_X
ClientSampleId :

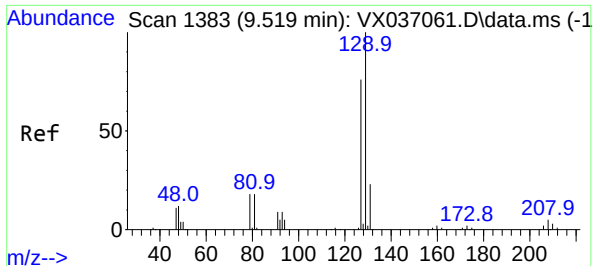
Tgt Ion: 92 Resp: 920
Ion Ratio Lower Upper
92 100
91 142.1 134.2 201.2



#55
1,1,2-Trichloroethane
Concen: 0.553 ug/l
RT: 9.159 min Scan# 1324
Delta R.T. 0.006 min
Lab File: VX037227.D
Acq: 24 Aug 2023 19:32

Tgt Ion: 97 Resp: 980
Ion Ratio Lower Upper
97 100
83 74.8 65.8 98.8
85 54.6 41.6 62.4
99 52.6 47.8 71.8

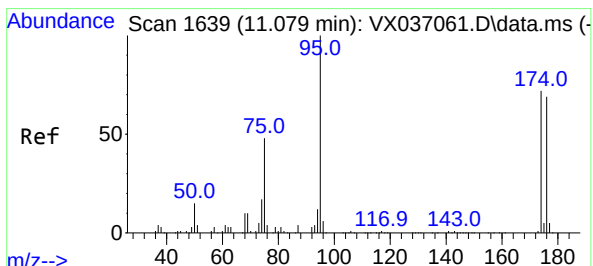
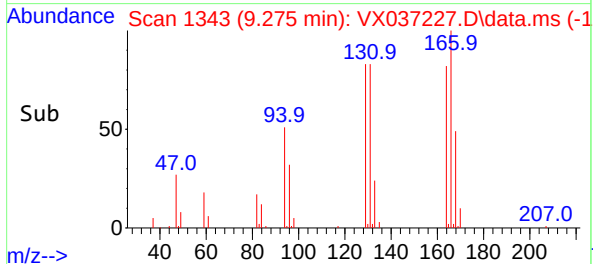
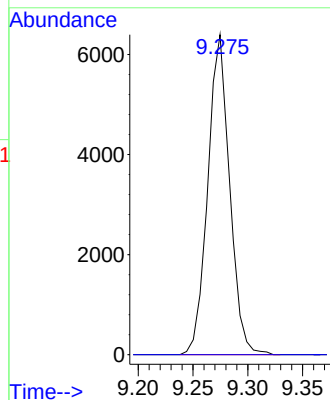
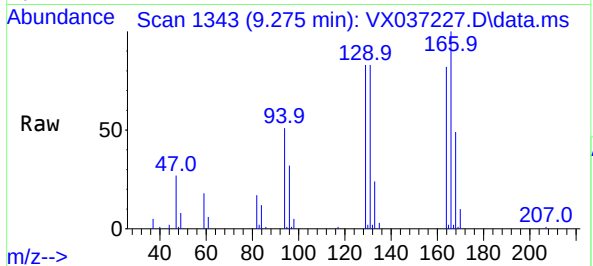




#60
Dibromochloromethane
Concen: 4.697 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.244 min
Lab File: VX037227.D
Acq: 24 Aug 2023 19:32

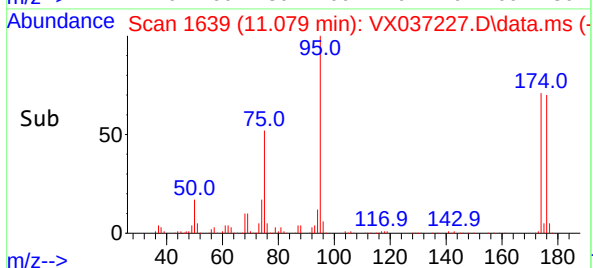
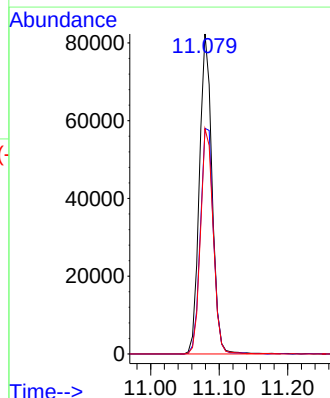
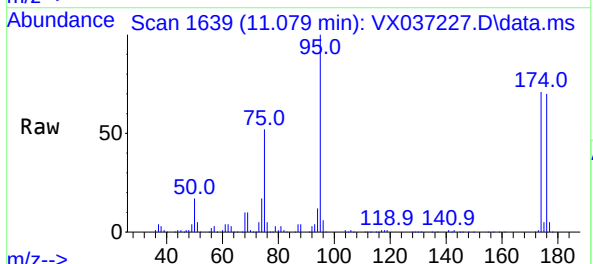
Instrument :
MSVOA_X
ClientSampleId :

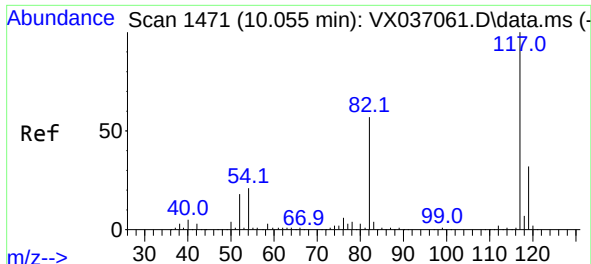
Tgt Ion:129 Resp: 8868
Ion Ratio Lower Upper
129 100
127 0.0 38.8 116.4#



#62
4-Bromofluorobenzene
Concen: 45.733 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX037227.D
Acq: 24 Aug 2023 19:32

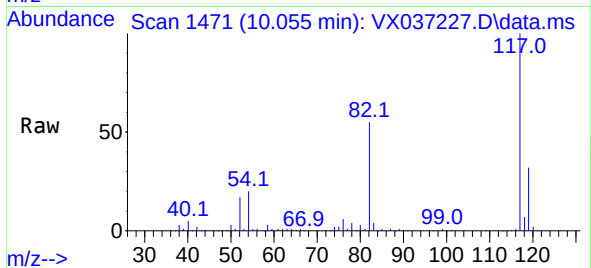
Tgt Ion: 95 Resp: 105453
Ion Ratio Lower Upper
95 100
174 73.2 0.0 135.6
176 70.6 0.0 131.0





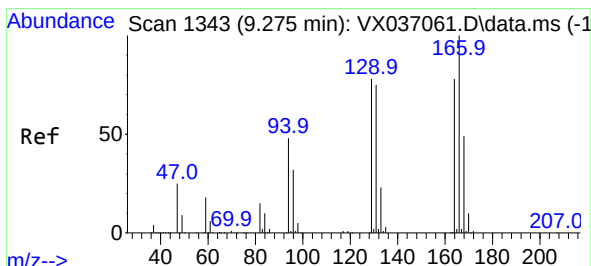
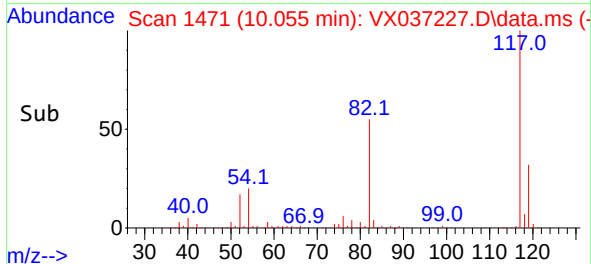
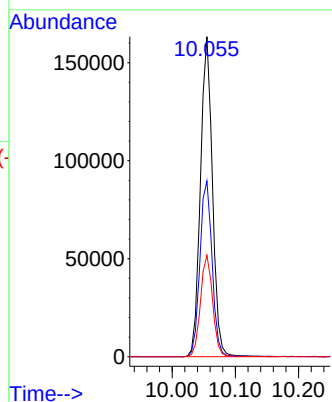
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX037227.D
Acq: 24 Aug 2023 19:32

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion:117 Resp: 215943

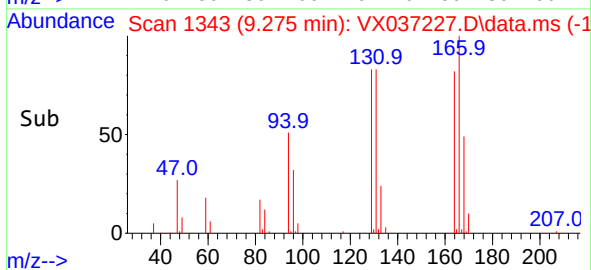
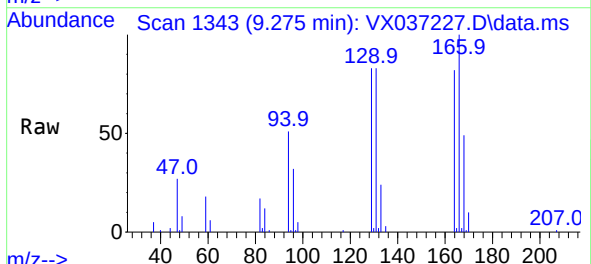
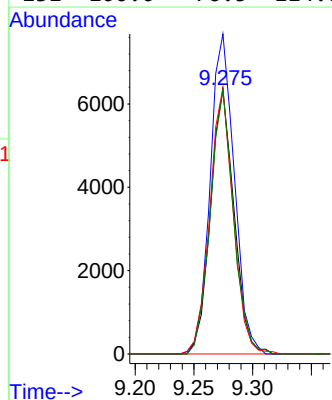
Ion	Ratio	Lower	Upper
117	100		
82	54.9	46.2	69.4
119	31.7	25.5	38.3

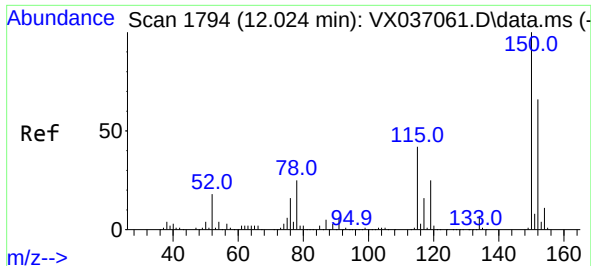


#64
Tetrachloroethene
Concen: 5.624 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.000 min
Lab File: VX037227.D
Acq: 24 Aug 2023 19:32

Tgt Ion:164 Resp: 8859

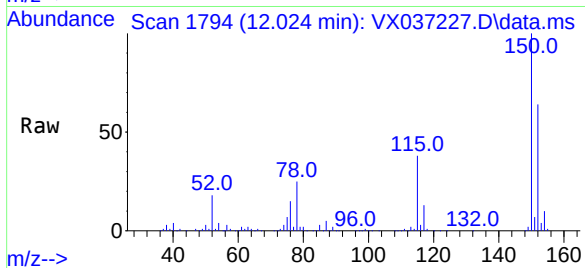
Ion	Ratio	Lower	Upper
164	100		
166	121.3	102.7	154.1
129	101.0	80.4	120.6
131	100.0	76.5	114.7



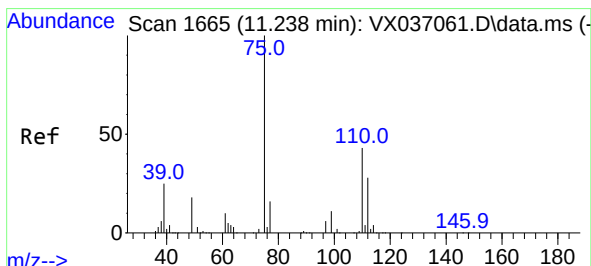
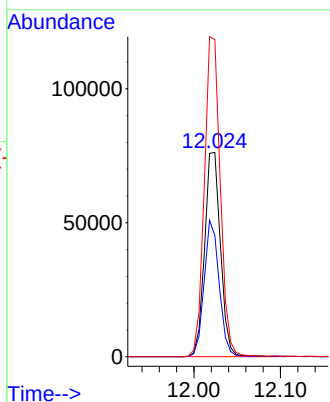
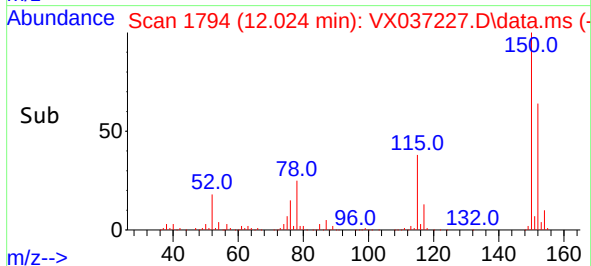


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX037227.D
Acq: 24 Aug 2023 19:32

Instrument :
MSVOA_X
ClientSampleId :

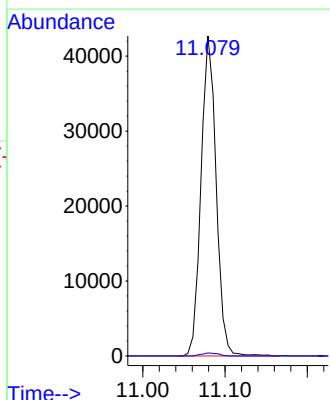
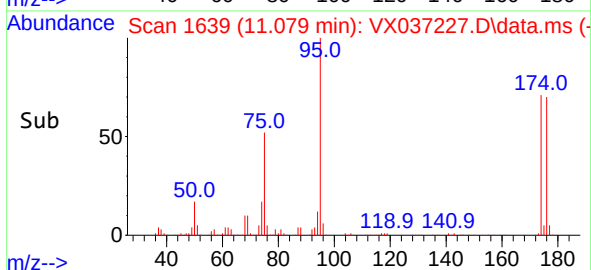
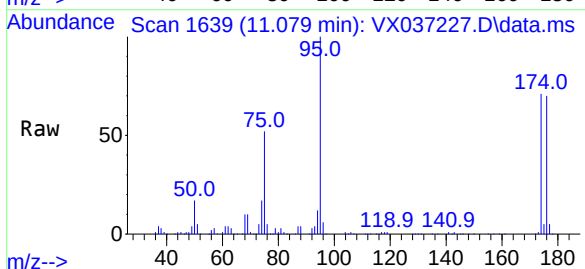


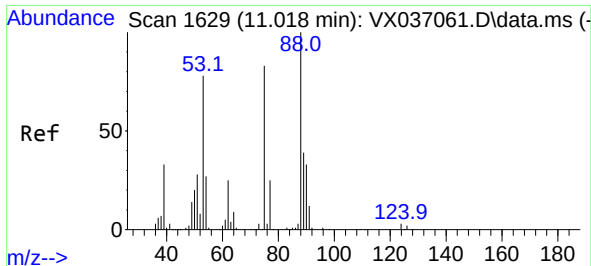
Tgt Ion:152 Resp: 97235
Ion Ratio Lower Upper
152 100
115 63.3 43.3 129.9
150 156.8 0.0 345.0



#76
1,2,3-Trichloropropane
Concen: 26.294 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX037227.D
Acq: 24 Aug 2023 19:32

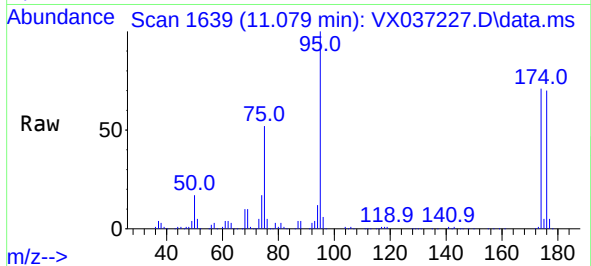
Tgt Ion: 75 Resp: 54450
Ion Ratio Lower Upper
75 100
77 1.0 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 73.441 ug/l
 RT: 11.079 min Scan# 10
 Delta R.T. 0.061 min
 Lab File: VX037227.D
 Acq: 24 Aug 2023 19:32

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion: 75 Resp: 54450
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.5 135.7#
 89 0.1 36.9 55.3#

