

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082923\
 Data File : VX037354.D
 Acq On : 29 Aug 2023 20:31
 Operator : JC/MD
 Sample : 04143-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 50122

Quant Time: Aug 30 02:10:30 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)

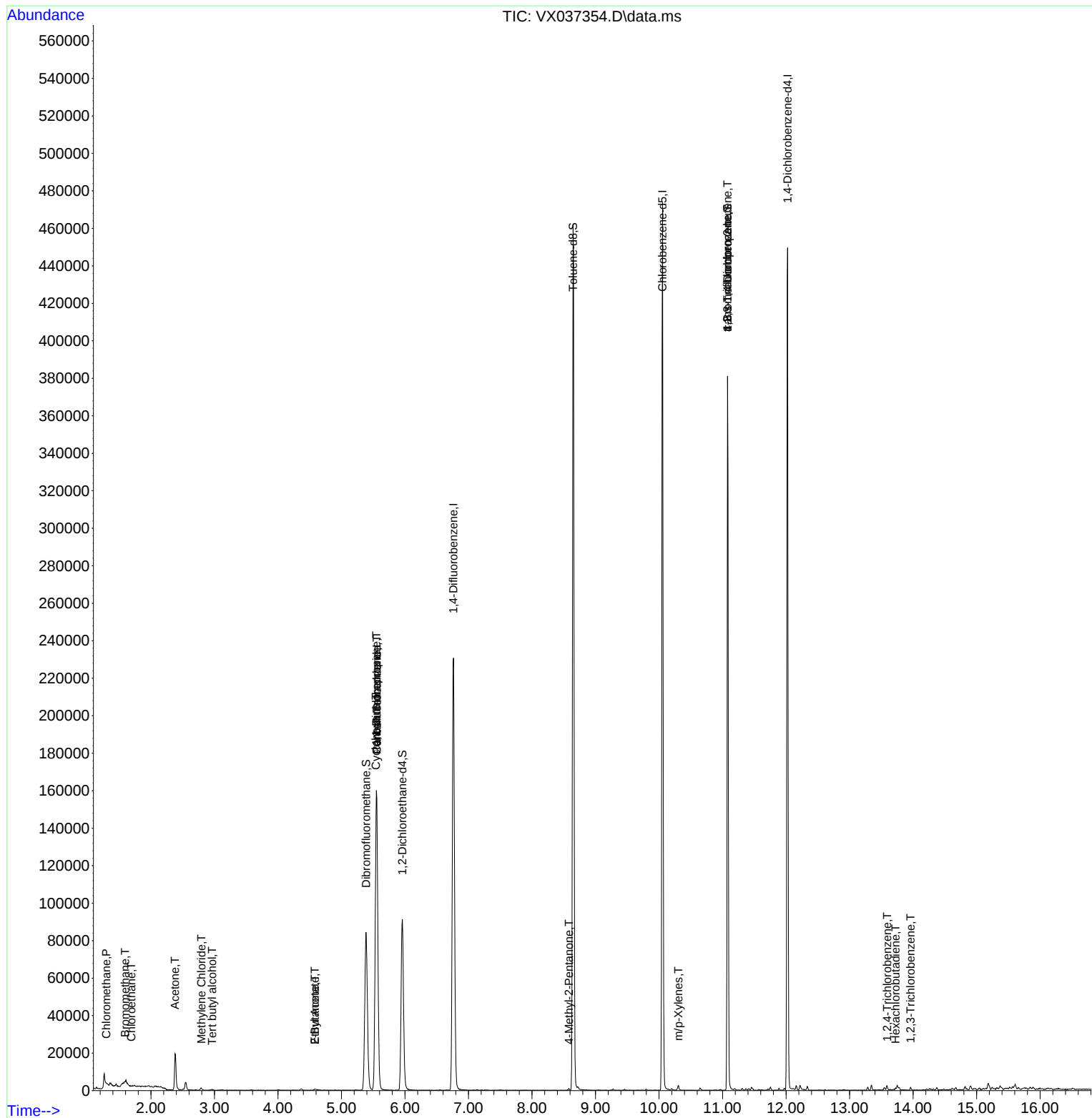
Internal Standards						
1) Pentafluorobenzene	5.556	168	151260	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	247625	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	215112	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	95868	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	91797	42.096	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	84.200%
35) Dibromofluoromethane	5.385	113	75171	45.837	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	91.680%
50) Toluene-d8	8.647	98	287279	48.292	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	96.580%
62) 4-Bromofluorobenzene	11.079	95	104226	44.583	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	89.160%
Target Compounds						
					Qvalue	
3) Chloromethane	1.294	50	315	0.205	ug/l #	43
5) Bromomethane	1.593	94	183	0.220	ug/l #	46
6) Chloroethane	1.691	64	365	0.371	ug/l #	43
11) Tert butyl alcohol	2.965	59	549	1.073	ug/l #	78
16) Acetone	2.380	43	20799	24.380	ug/l #	86
20) Methylene Chloride	2.794	84	742	0.389	ug/l #	75
25) 2-Butanone	4.580	43	1429	1.112	ug/l #	83
31) Cyclohexane	5.544	56	2939	1.199	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	11612	4.984	ug/l #	51
37) Ethyl Acetate	4.580	43	1429	0.600	ug/l #	69
38) Carbon Tetrachloride	5.556	117	16008	6.325	ug/l #	14
51) 4-Methyl-2-Pentanone	8.580	43	521	0.227	ug/l	91
68) m/p-Xylenes	10.305	106	718	0.232	ug/l	93
76) 1,2,3-Trichloropropane	11.079	75	50998	24.978	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	50998	69.766	ug/l #	5
93) 1,2,4-Trichlorobenzene	13.591	180	523	0.286	ug/l #	86
94) Hexachlorobutadiene	13.725	225	220	0.312	ug/l	94
96) 1,2,3-Trichlorobenzene	13.963	180	490	0.270	ug/l #	74

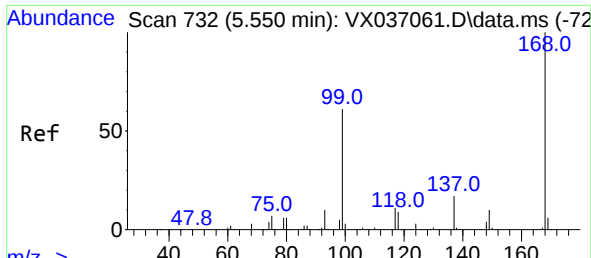
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX037354.D

Acq: 29 Aug 2023 20:31

Instrument :

MSVOA_X

ClientSampleId :

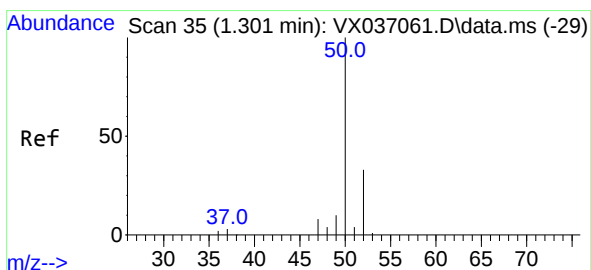
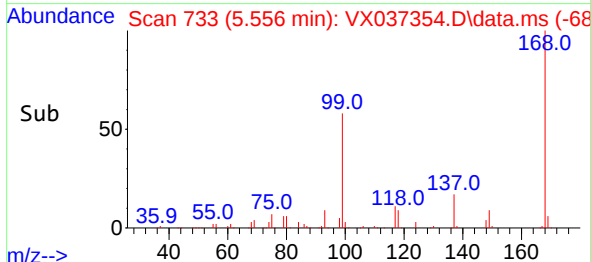
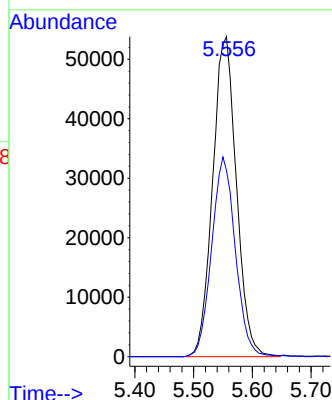
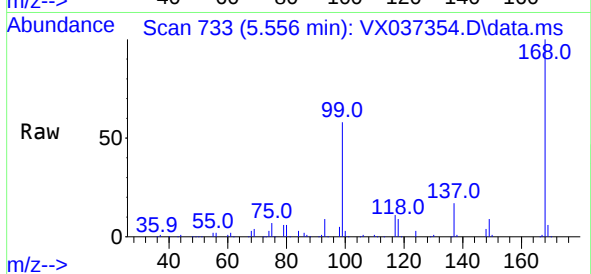
50122

Tgt Ion:168 Resp: 151260

Ion Ratio Lower Upper

168 100

99 58.3 56.6 85.0



#3

Chloromethane

Concen: 0.205 ug/l

RT: 1.294 min Scan# 34

Delta R.T. -0.006 min

Lab File: VX037354.D

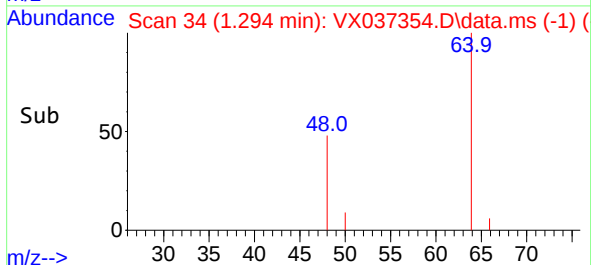
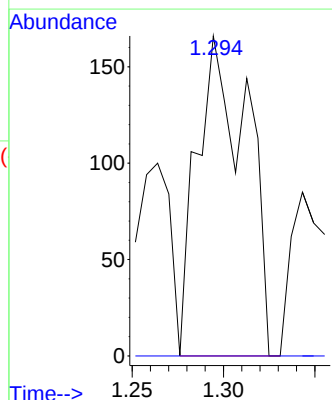
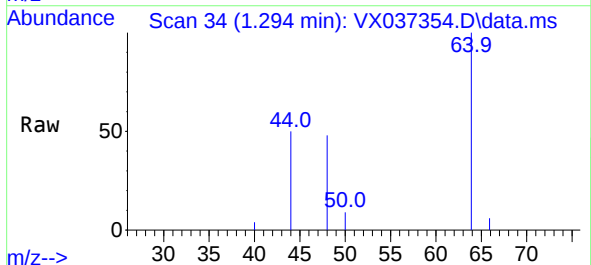
Acq: 29 Aug 2023 20:31

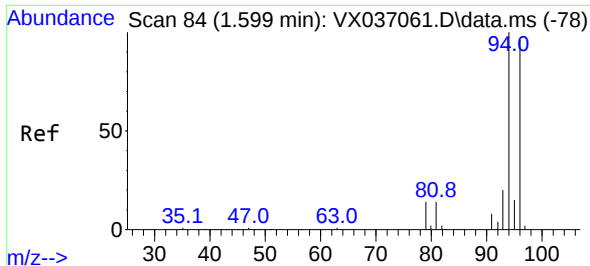
Tgt Ion: 50 Resp: 315

Ion Ratio Lower Upper

50 100

52 0.0 25.5 38.3#

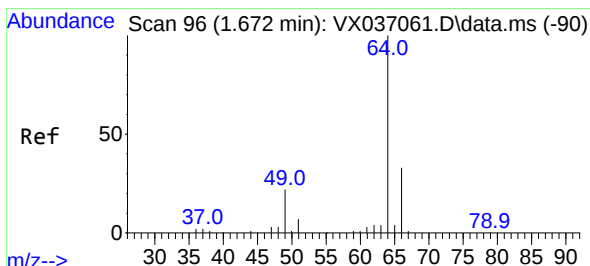
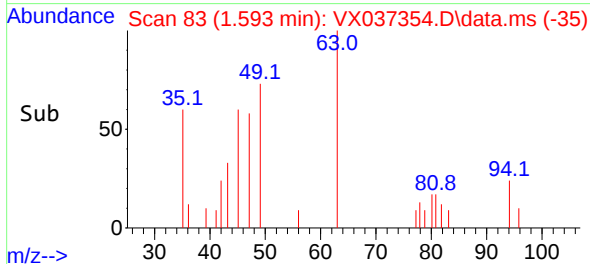
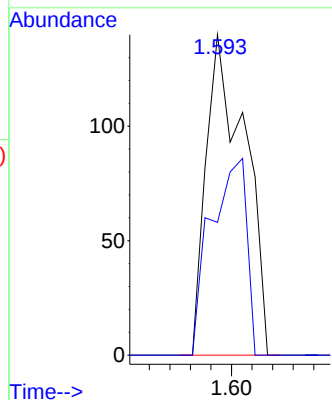
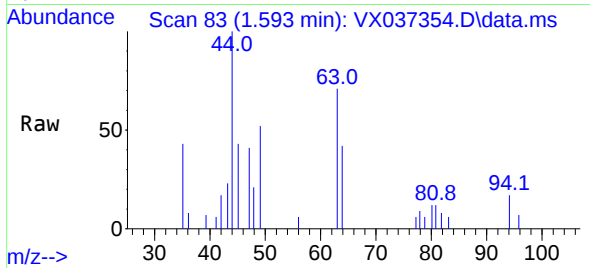




#5
Bromomethane
Concen: 0.220 ug/l
RT: 1.593 min Scan# 81
Delta R.T. -0.006 min
Lab File: VX037354.D
Acq: 29 Aug 2023 20:31

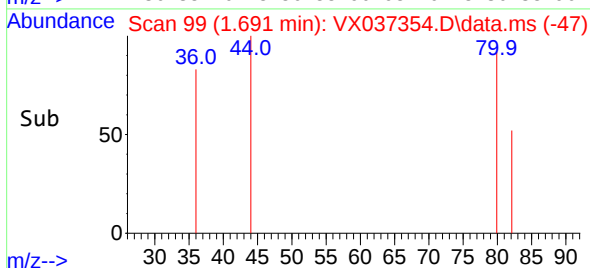
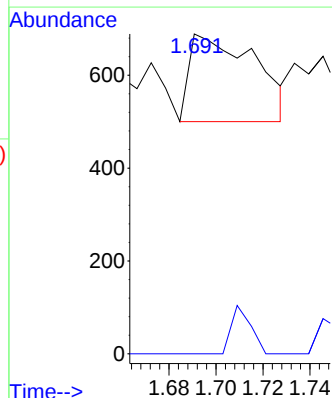
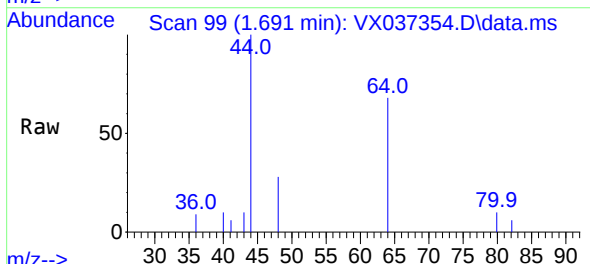
Instrument :
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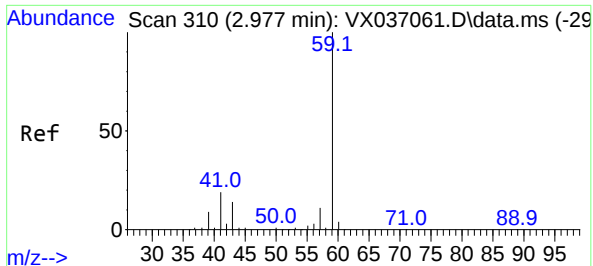
Tgt Ion: 94 Resp: 183
Ion Ratio Lower Upper
94 100
96 41.4 74.6 111.8#



#6
Chloroethane
Concen: 0.371 ug/l
RT: 1.691 min Scan# 99
Delta R.T. 0.019 min
Lab File: VX037354.D
Acq: 29 Aug 2023 20:31

Tgt Ion: 64 Resp: 365
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#





#11

Tert butyl alcohol

Concen: 1.073 ug/l

RT: 2.965 min Scan# 30

Delta R.T. -0.012 min

Lab File: VX037354.D

Acq: 29 Aug 2023 20:31

Instrument :

MSVOA_X

ClientSampleId :

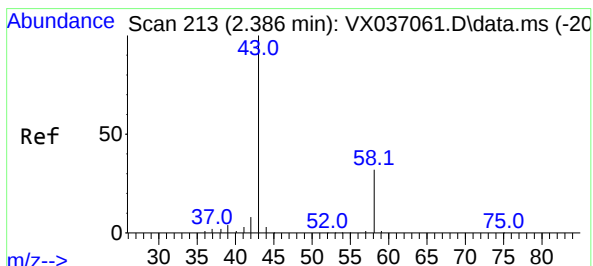
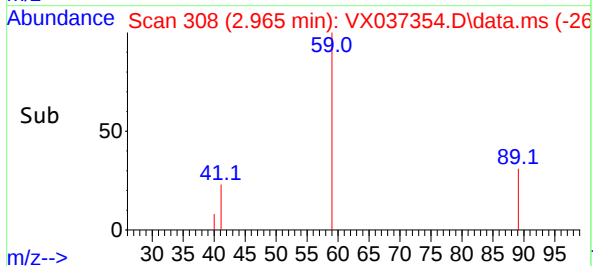
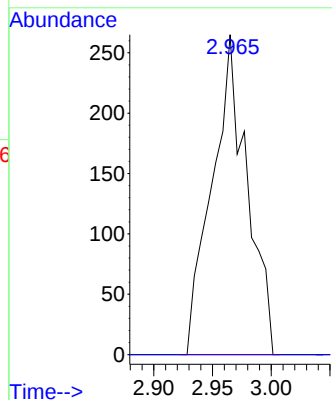
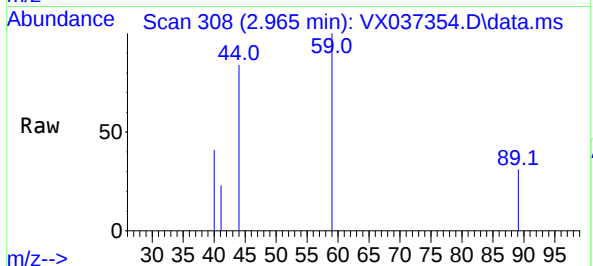
50122

Tgt Ion: 59 Resp: 549

Ion Ratio Lower Upper

59 100

57 0.0 6.0 9.0#



#16

Acetone

Concen: 24.380 ug/l

RT: 2.380 min Scan# 212

Delta R.T. -0.006 min

Lab File: VX037354.D

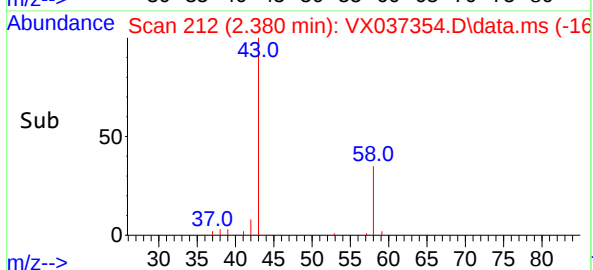
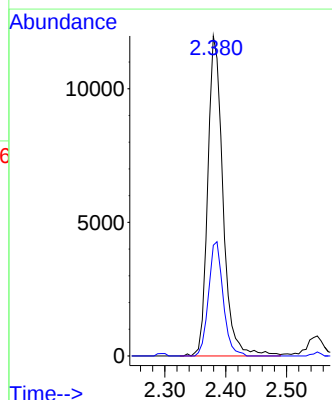
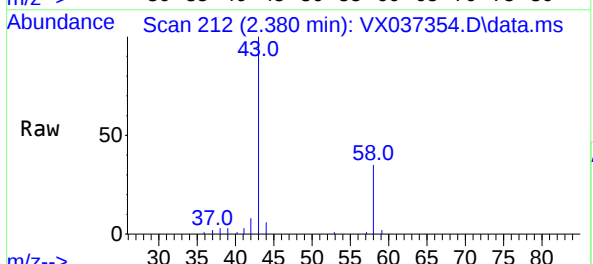
Acq: 29 Aug 2023 20:31

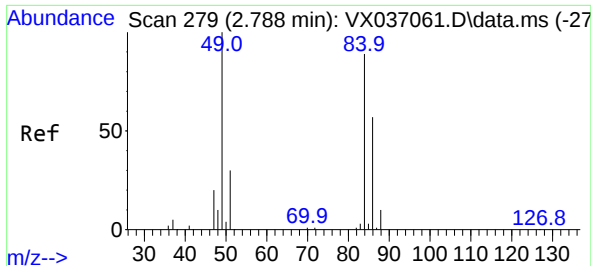
Tgt Ion: 43 Resp: 20799

Ion Ratio Lower Upper

43 100

58 34.6 21.9 32.9#

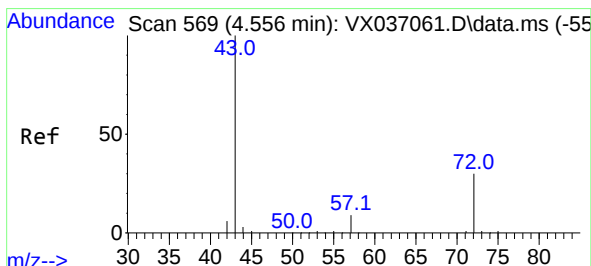
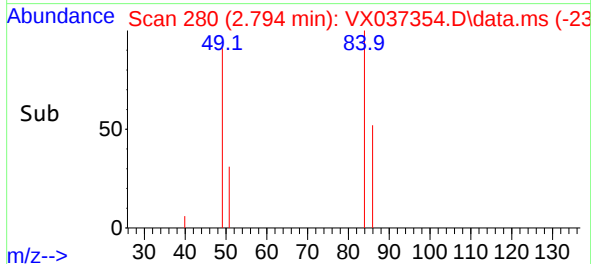
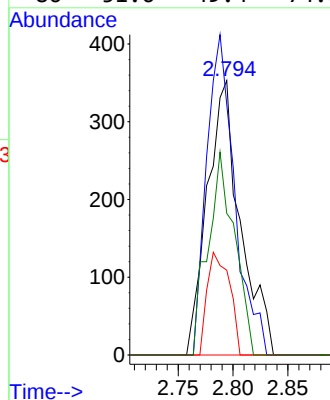
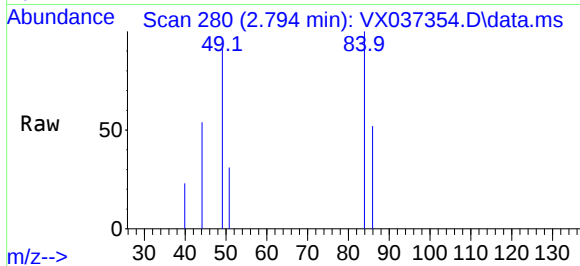




#20
Methylene Chloride
Concen: 0.389 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX037354.D
Acq: 29 Aug 2023 20:31

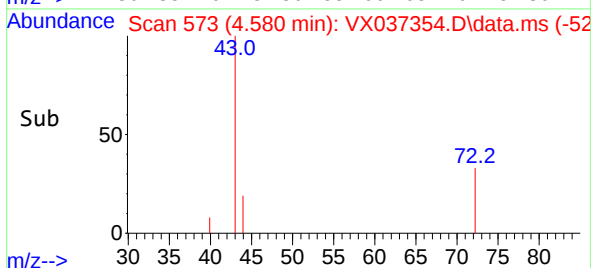
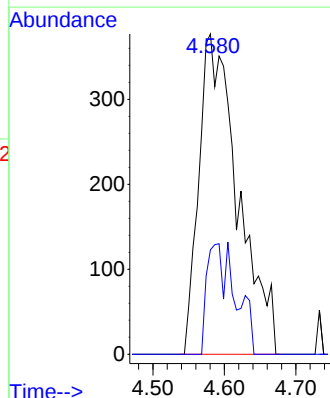
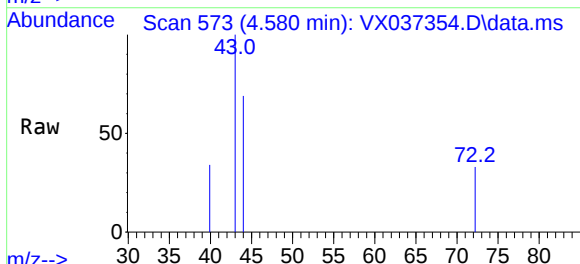
Instrument :
MSVOA_X
ClientSampleId :
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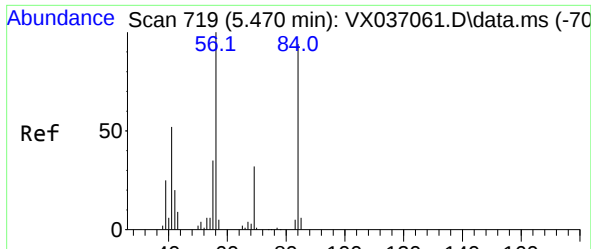
Tgt Ion:	84	Resp:	742
Ion	Ratio	Lower	Upper
84	100		
49	91.2	103.6	155.4#
51	30.9	33.8	50.6#
86	51.6	49.4	74.0



#25
2-Butanone
Concen: 1.112 ug/l
RT: 4.580 min Scan# 573
Delta R.T. 0.024 min
Lab File: VX037354.D
Acq: 29 Aug 2023 20:31

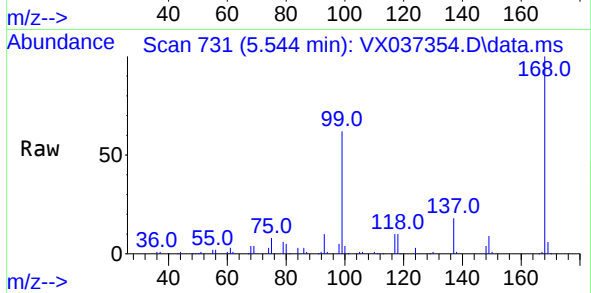
Tgt Ion:	43	Resp:	1429
Ion	Ratio	Lower	Upper
43	100		
72	32.6	19.4	29.2#



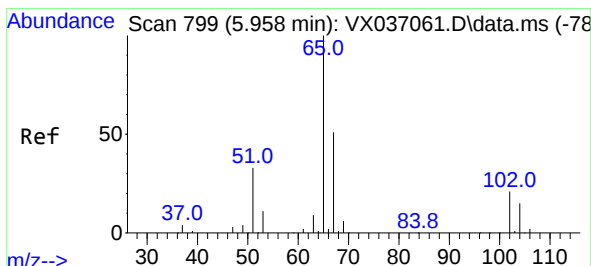
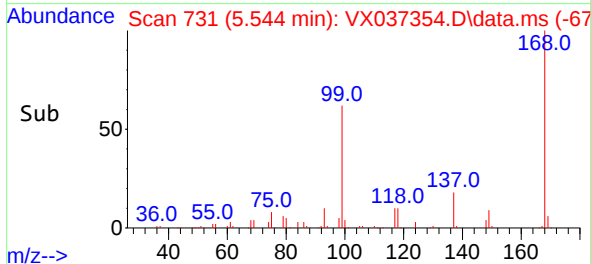
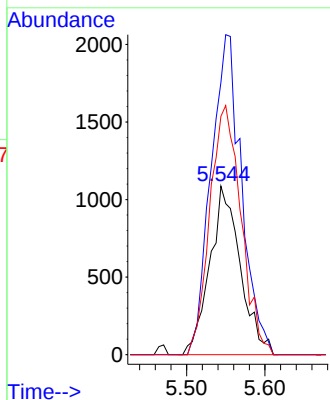


#31
Cyclohexane
Concen: 1.199 ug/l
RT: 5.544 min Scan# 719
Delta R.T. 0.073 min
Lab File: VX037354.D
Acq: 29 Aug 2023 20:31

Instrument :
MSVOA_X
ClientSampleId :
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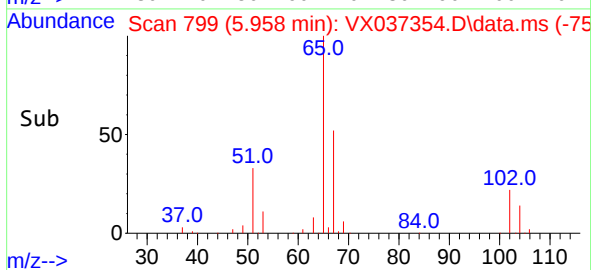
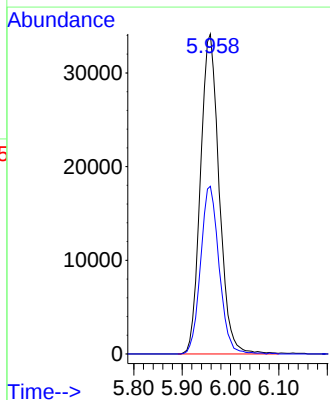
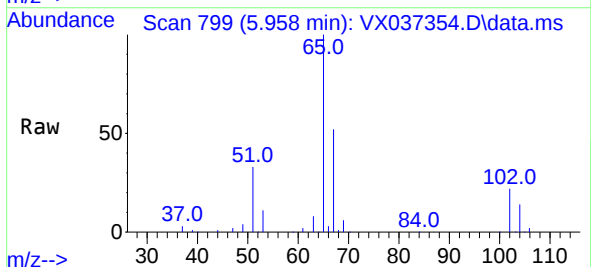


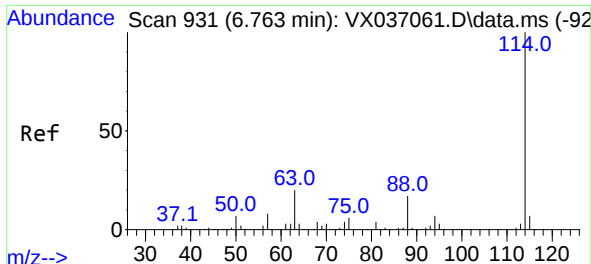
Tgt Ion: 56 Resp: 2939
Ion Ratio Lower Upper
56 100
69 161.7 23.4 35.2#
84 141.5 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 42.096 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX037354.D
Acq: 29 Aug 2023 20:31

Tgt Ion: 65 Resp: 91797
Ion Ratio Lower Upper
65 100
67 51.8 0.0 100.2

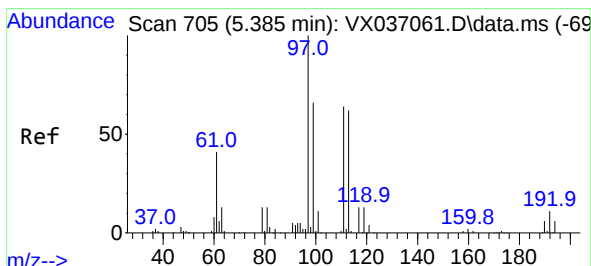
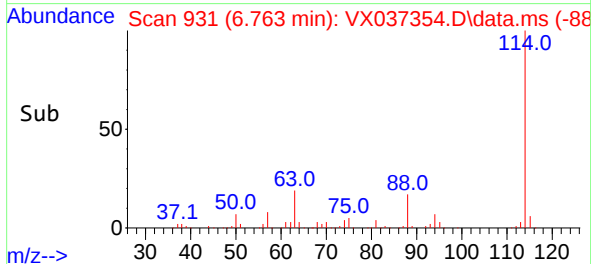
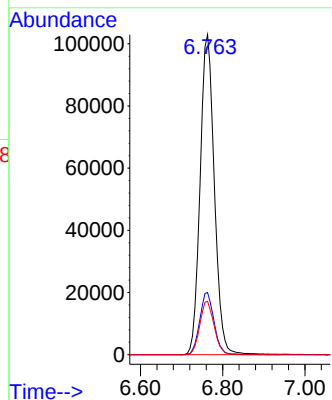
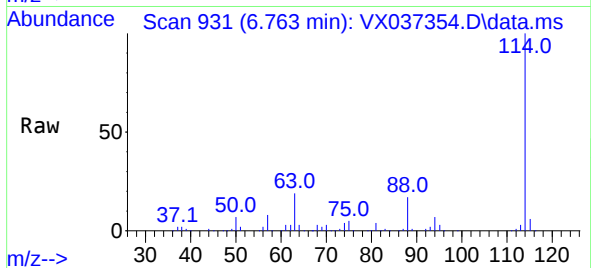




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 911
Delta R.T. 0.000 min
Lab File: VX037354.D
Acq: 29 Aug 2023 20:31

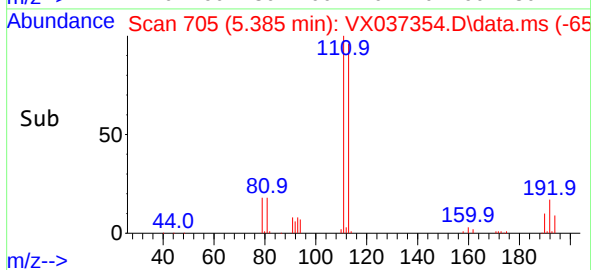
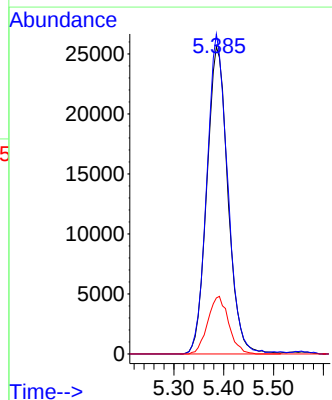
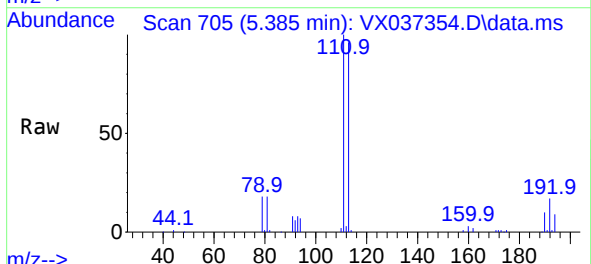
Instrument :
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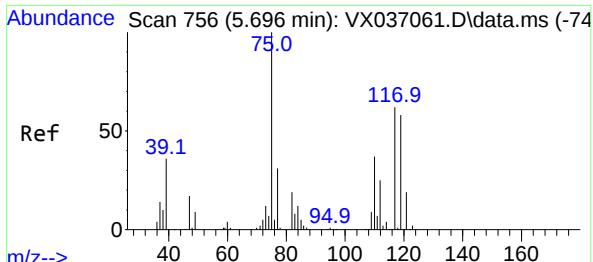
Tgt Ion:114 Resp: 247625
Ion Ratio Lower Upper
114 100
63 19.4 0.0 45.0
88 16.7 0.0 36.6



#35
Dibromofluoromethane
Concen: 45.837 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX037354.D
Acq: 29 Aug 2023 20:31

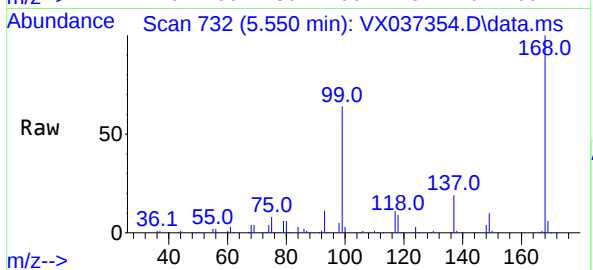
Tgt Ion:113 Resp: 75171
Ion Ratio Lower Upper
113 100
111 102.3 82.9 124.3
192 18.6 13.3 19.9



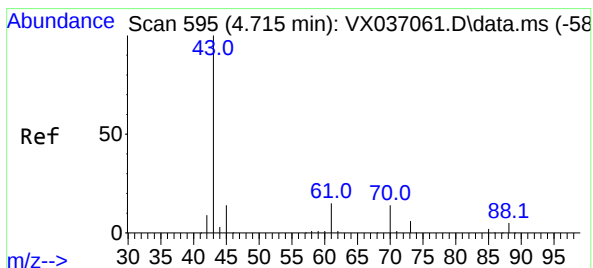
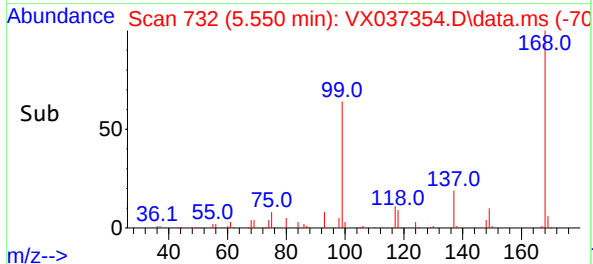
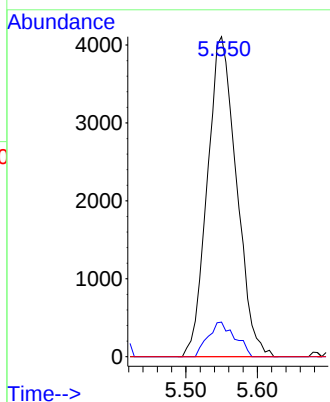


#36
1,1-Dichloropropene
Concen: 4.984 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX037354.D
Acq: 29 Aug 2023 20:31

Instrument :
MSVOA_X
ClientSampleId :
50122

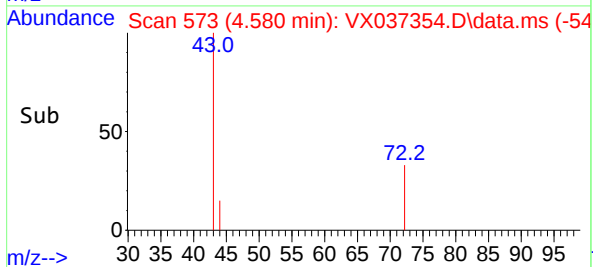
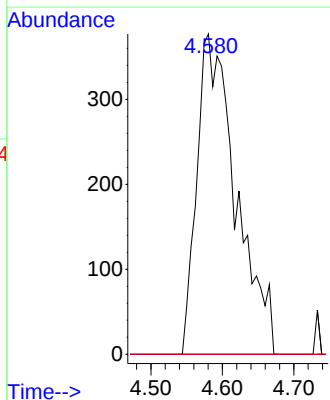
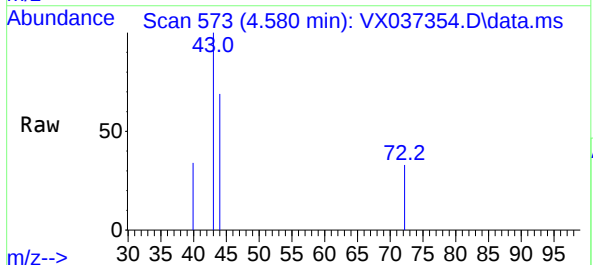


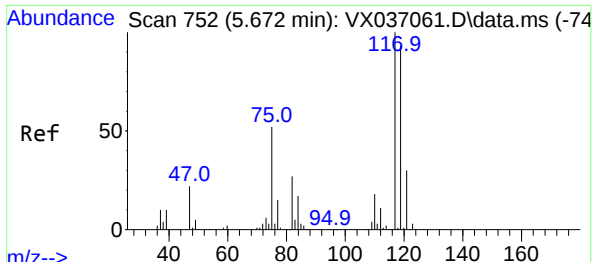
Tgt Ion: 75 Resp: 11612
Ion Ratio Lower Upper
75 100
110 10.0 17.0 50.9#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 0.600 ug/l
RT: 4.580 min Scan# 573
Delta R.T. -0.134 min
Lab File: VX037354.D
Acq: 29 Aug 2023 20:31

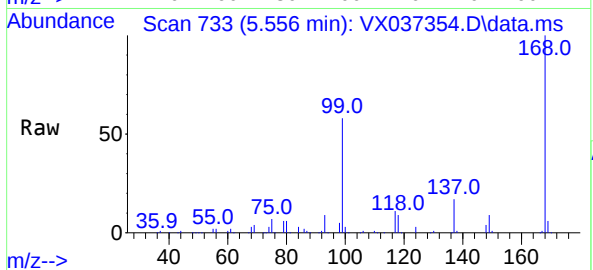
Tgt Ion: 43 Resp: 1429
Ion Ratio Lower Upper
43 100
61 0.0 10.6 16.0#
70 0.0 8.3 12.5#



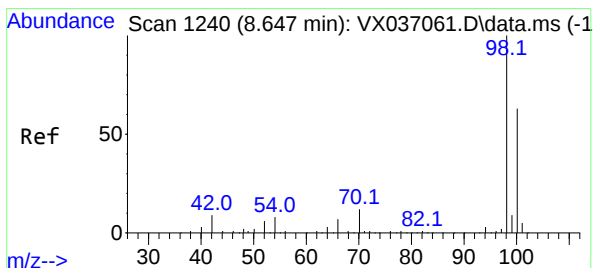
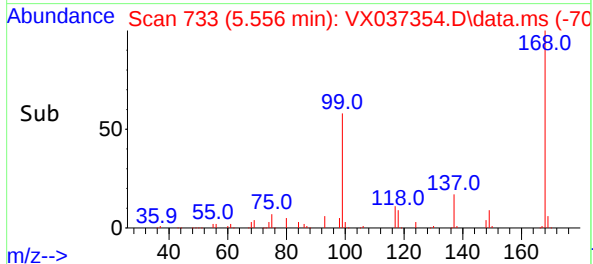
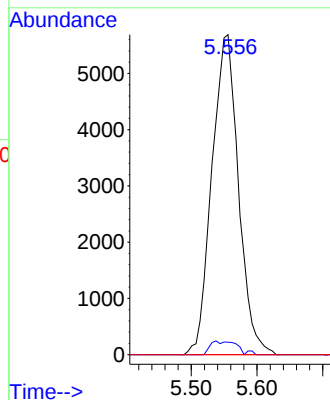


#38
Carbon Tetrachloride
Concen: 6.325 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.116 min
Lab File: VX037354.D
Acq: 29 Aug 2023 20:31

Instrument :
MSVOA_X
ClientSampleId :
50122

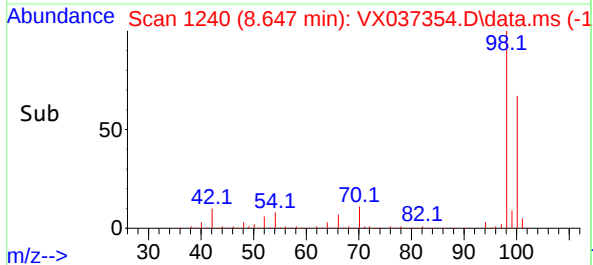
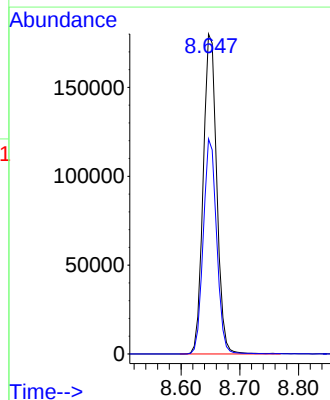
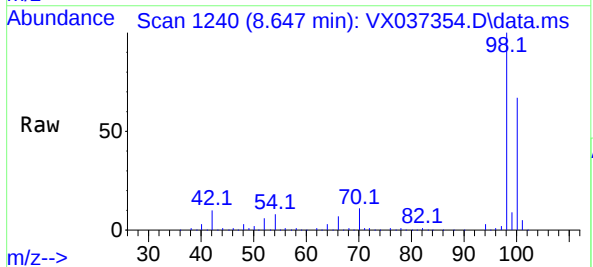


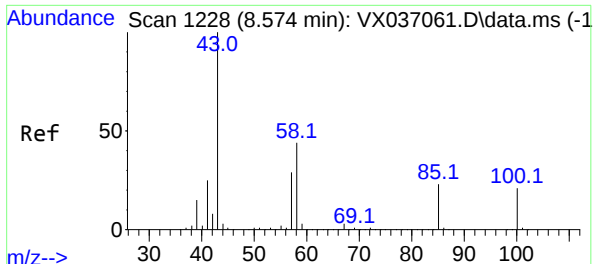
Tgt Ion:117 Resp: 16008
Ion Ratio Lower Upper
117 100
119 3.9 78.2 117.2#
121 0.0 24.4 36.6#



#50
Toluene-d8
Concen: 48.292 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX037354.D
Acq: 29 Aug 2023 20:31

Tgt Ion: 98 Resp: 287279
Ion Ratio Lower Upper
98 100
100 66.4 53.1 79.7

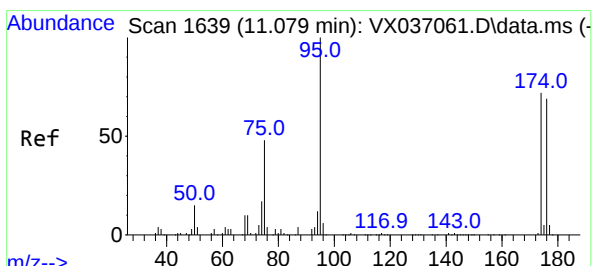
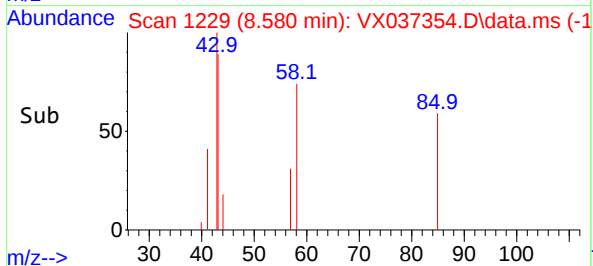
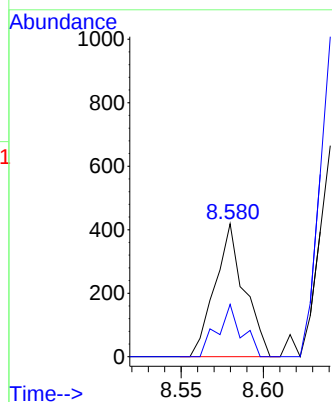
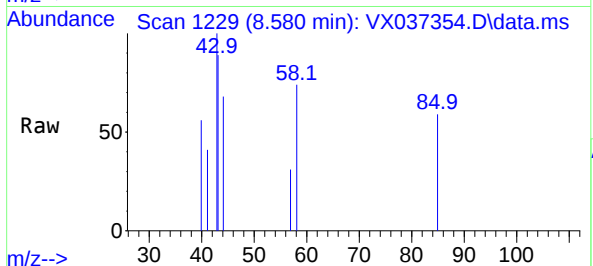




#51
4-Methyl-2-Pentanone
Concen: 0.227 ug/l
RT: 8.580 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX037354.D
Acq: 29 Aug 2023 20:31

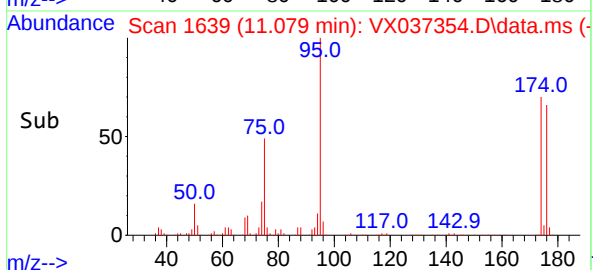
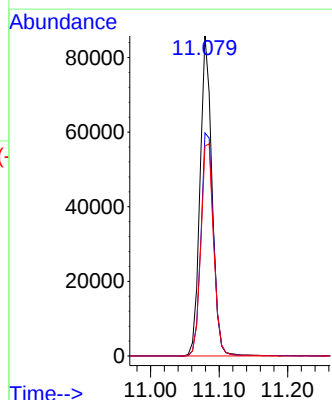
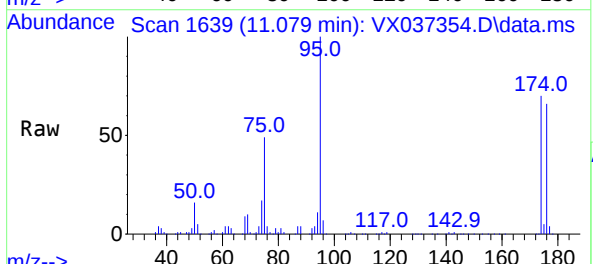
Instrument :
MSVOA_X
ClientSampleId :
50122

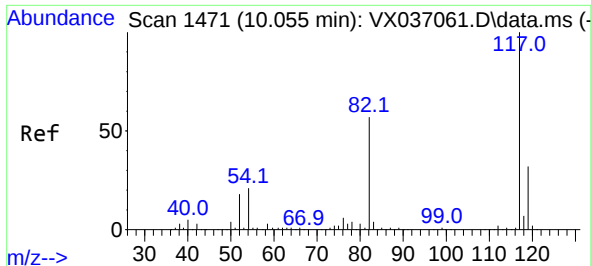
Tgt Ion: 43 Resp: 521
Ion Ratio Lower Upper
43 100
58 32.6 30.4 45.6



#62
4-Bromofluorobenzene
Concen: 44.583 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX037354.D
Acq: 29 Aug 2023 20:31

Tgt Ion: 95 Resp: 104226
Ion Ratio Lower Upper
95 100
174 73.8 0.0 135.6
176 71.0 0.0 131.0

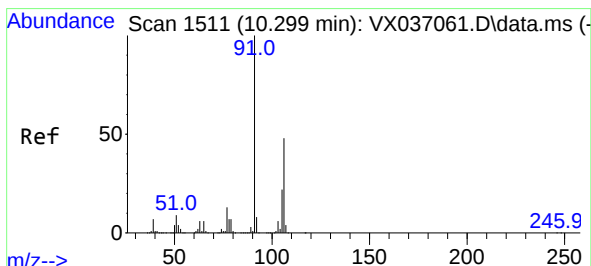
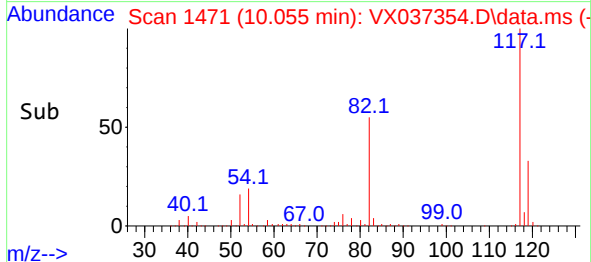
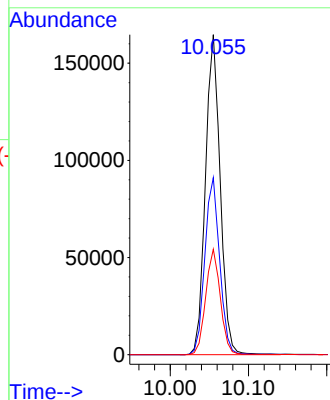
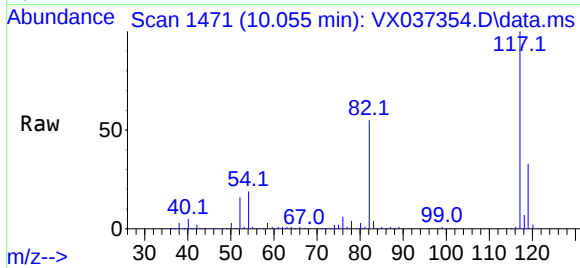




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX037354.D
Acq: 29 Aug 2023 20:31

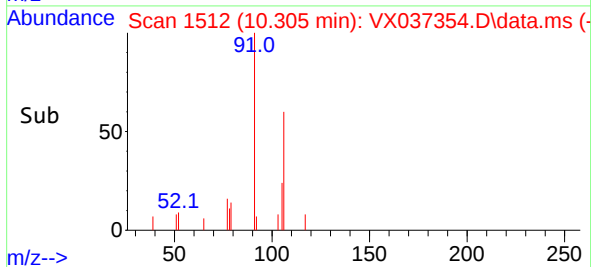
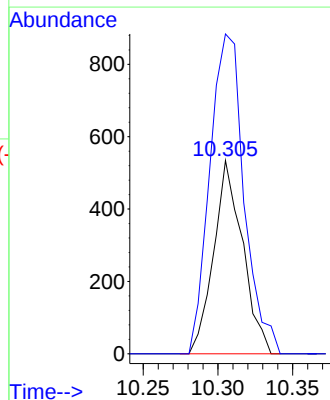
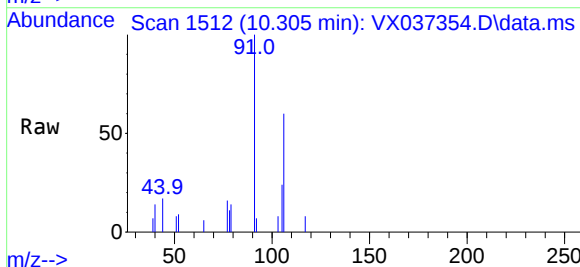
Instrument :
MSVOA_X
ClientSampleId :
50122

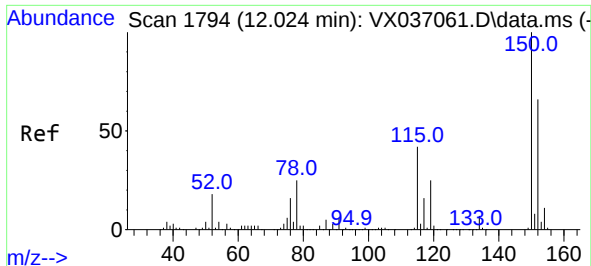
Tgt Ion:117 Resp: 215112
Ion Ratio Lower Upper
117 100
82 55.3 46.2 69.4
119 32.9 25.5 38.3



#68
m/p-Xylenes
Concen: 0.232 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.006 min
Lab File: VX037354.D
Acq: 29 Aug 2023 20:31

Tgt Ion:106 Resp: 718
Ion Ratio Lower Upper
106 100
91 196.1 165.5 248.3

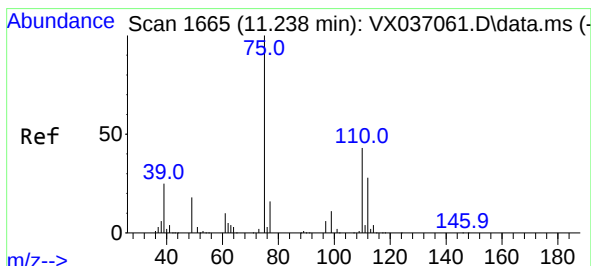
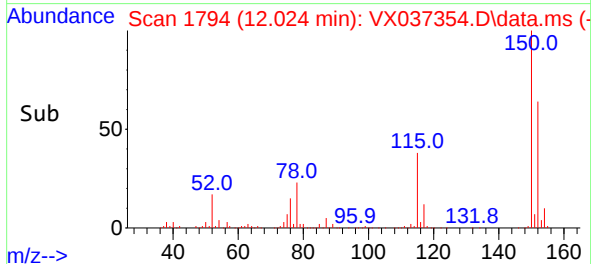
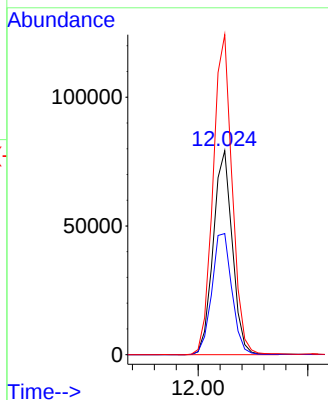
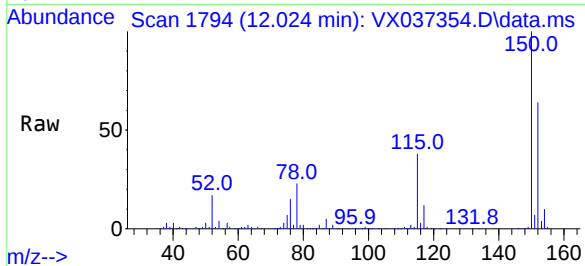




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX037354.D
Acq: 29 Aug 2023 20:31

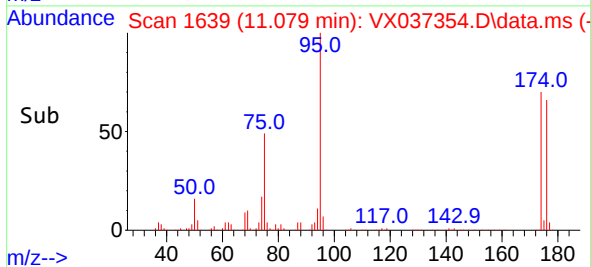
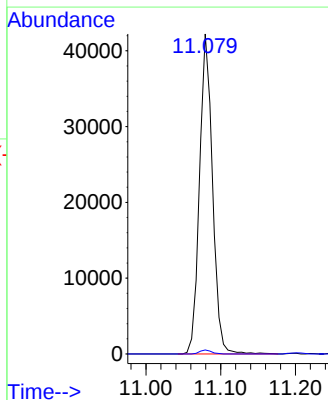
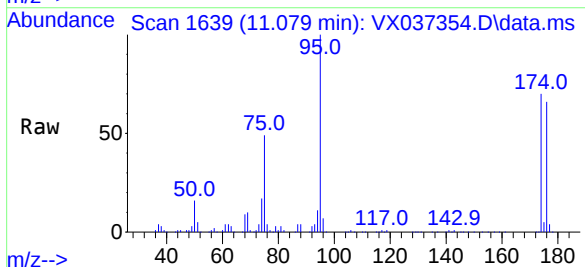
Instrument :
MSVOA_X
ClientSampleId :
50122

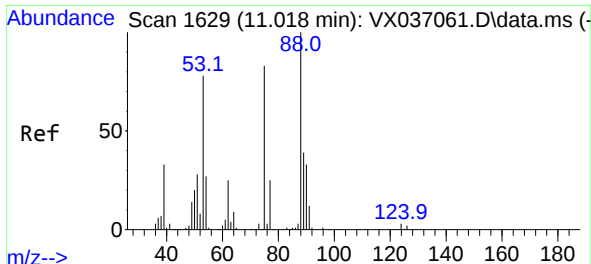
Tgt Ion:152 Resp: 95868
Ion Ratio Lower Upper
152 100
115 62.8 43.3 129.9
150 157.3 0.0 345.0



#76
1,2,3-Trichloropropane
Concen: 24.978 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX037354.D
Acq: 29 Aug 2023 20:31

Tgt Ion: 75 Resp: 50998
Ion Ratio Lower Upper
75 100
77 1.1 19.1 57.5#

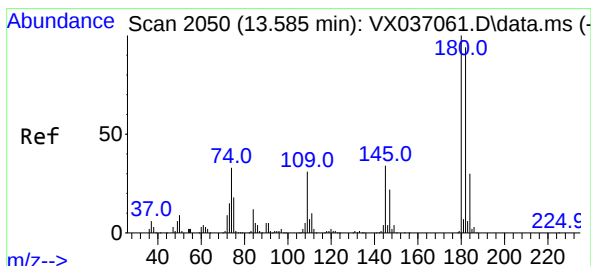
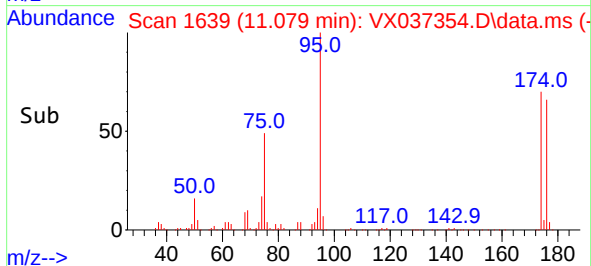
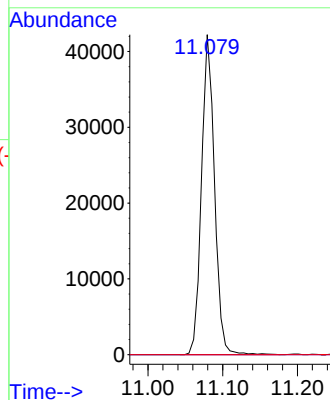
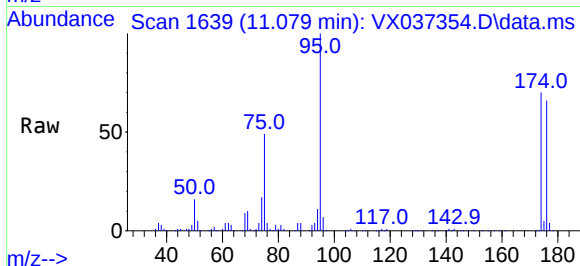




#81
trans-1,4-Dichloro-2-butene
Concen: 69.766 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX037354.D
Acq: 29 Aug 2023 20:31

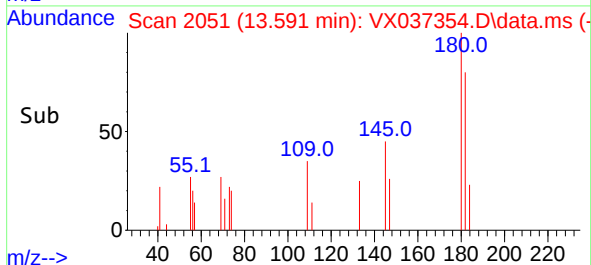
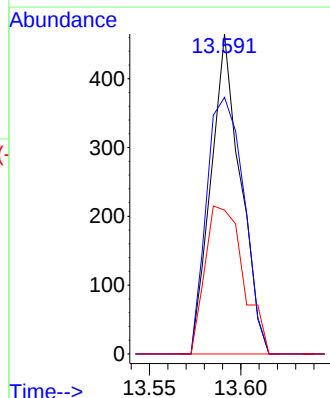
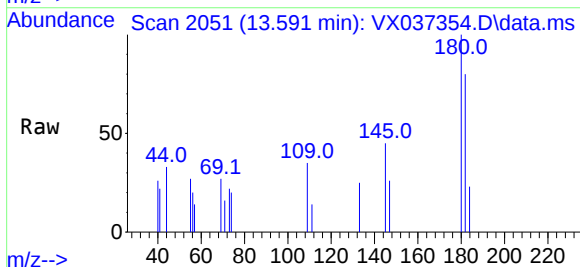
Instrument :
MSVOA_X
ClientSampleId :
50122

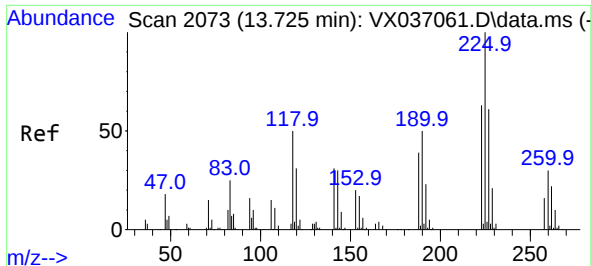
Tgt Ion: 75 Resp: 50998
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#



#93
1,2,4-Trichlorobenzene
Concen: 0.286 ug/l
RT: 13.591 min Scan# 2051
Delta R.T. 0.006 min
Lab File: VX037354.D
Acq: 29 Aug 2023 20:31

Tgt Ion: 180 Resp: 523
Ion Ratio Lower Upper
180 100
182 101.1 48.3 144.8
145 59.7 18.0 54.0#

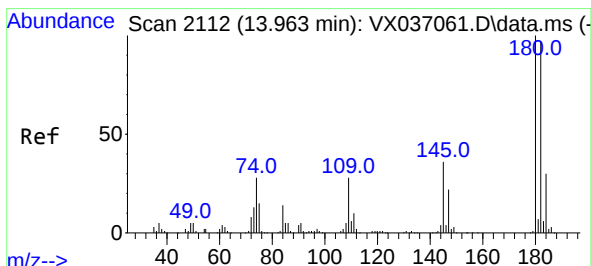
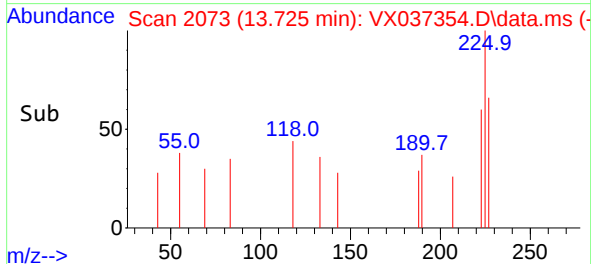
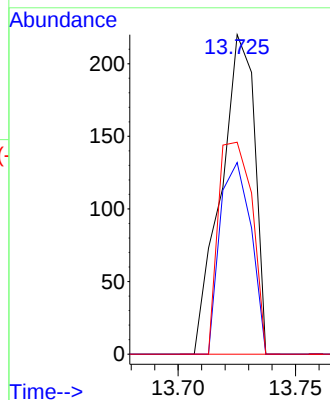
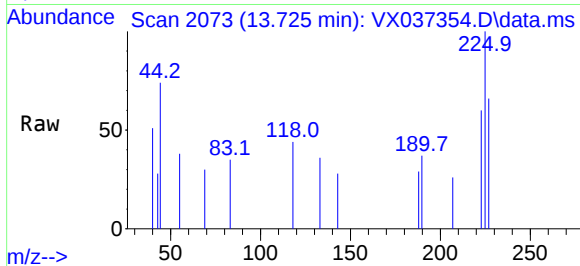




#94
Hexachlorobutadiene
Concen: 0.312 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX037354.D
Acq: 29 Aug 2023 20:31

Instrument :
MSVOA_X
ClientSampleId :
50122

Tgt Ion:	225	Resp:	220
Ion	Ratio	Lower	Upper
225	100		
223	55.0	31.1	93.2
227	66.8	32.5	97.5



#96
1,2,3-Trichlorobenzene
Concen: 0.270 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.000 min
Lab File: VX037354.D
Acq: 29 Aug 2023 20:31

Tgt Ion:	180	Resp:	490
Ion	Ratio	Lower	Upper
180	100		
182	82.9	46.9	140.6
145	72.7	17.8	53.5#

