

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082923\
 Data File : VX037332.D
 Acq On : 29 Aug 2023 11:08
 Operator : JC/MD
 Sample : VX0829WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Aug 30 02:04:46 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)

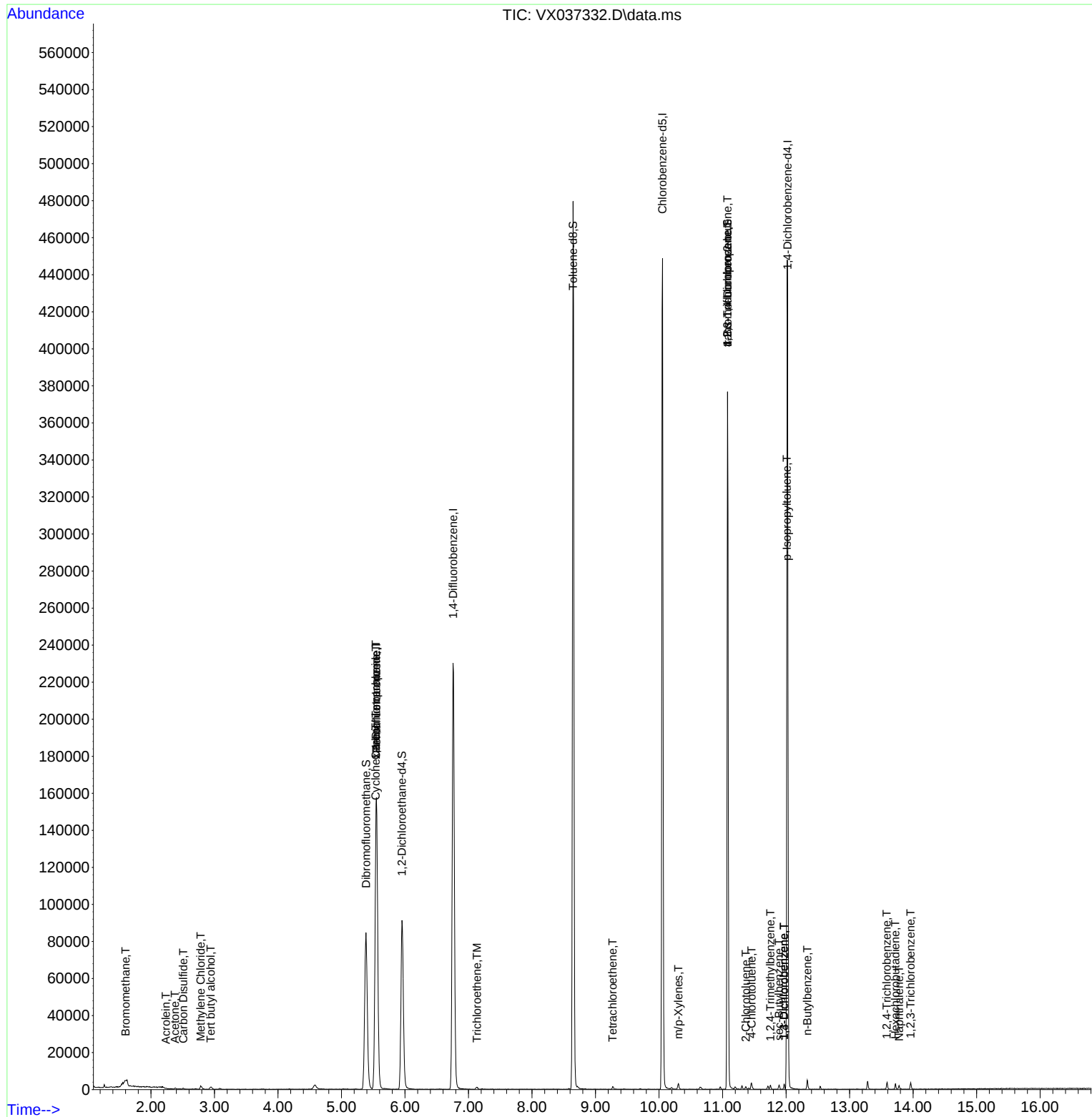
Internal Standards						
1) Pentafluorobenzene	5.550	168	150442	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	245961	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	218521	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	95386	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	91036	41.974	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	83.940%
35) Dibromofluoromethane	5.385	113	75305	46.229	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	92.460%
50) Toluene-d8	8.647	98	287175	48.601	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	97.200%
62) 4-Bromofluorobenzene	11.079	95	104524	45.013	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	90.020%
Target Compounds						
					Qvalue	
5) Bromomethane	1.599	94	254	0.306	ug/l #	57
11) Tert butyl alcohol	2.941	59	947	1.861	ug/l #	78
13) Acrolein	2.233	56	201	0.519	ug/l #	81
16) Acetone	2.380	43	878	1.035	ug/l #	87
17) Carbon Disulfide	2.508	76	826	0.210	ug/l #	76
20) Methylene Chloride	2.782	84	1022	0.539	ug/l #	86
31) Cyclohexane	5.538	56	2986	1.224	ug/l #	1
36) 1,1-Dichloropropene	5.544	75	11587	5.007	ug/l #	51
38) Carbon Tetrachloride	5.544	117	16001	6.365	ug/l #	15
44) Trichloroethene	7.135	130	589	0.313	ug/l	63
64) Tetrachloroethene	9.269	164	341	0.214	ug/l #	70
68) m/p-Xylenes	10.305	106	908	0.289	ug/l	85
76) 1,2,3-Trichloropropane	11.079	75	52162	25.678	ug/l #	39
79) 2-Chlorotoluene	11.366	91	1109	0.225	ug/l	87
81) trans-1,4-Dichloro-2-b...	11.079	75	52162	71.719	ug/l #	5
82) 4-Chlorotoluene	11.457	91	1378	0.242	ug/l	94
84) 1,2,4-Trimethylbenzene	11.756	105	1292	0.221	ug/l	92
85) sec-Butylbenzene	11.890	105	1554	0.241	ug/l	100
86) p-Isopropyltoluene	12.012	119	1729	0.312	ug/l #	81
87) 1,3-Dichlorobenzene	11.969	146	966	0.305	ug/l	98
88) 1,4-Dichlorobenzene	11.969	146	966	0.295	ug/l	98
89) n-Butylbenzene	12.335	91	1693	0.368	ug/l	95
93) 1,2,4-Trichlorobenzene	13.585	180	1181	0.650	ug/l	95
94) Hexachlorobutadiene	13.719	225	504	0.718	ug/l	96
95) Naphthalene	13.780	128	1752	0.220	ug/l #	93
96) 1,2,3-Trichlorobenzene	13.963	180	1070	0.593	ug/l	97

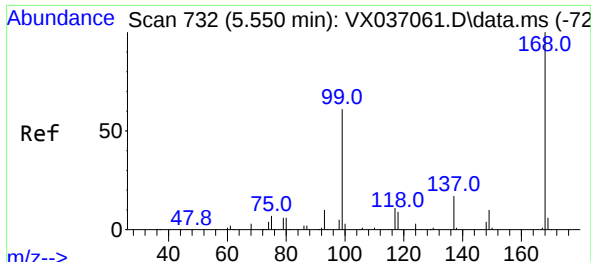
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082923\
Data File : VX037332.D
Acq On : 29 Aug 2023 11:08
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Sample : VX0829WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

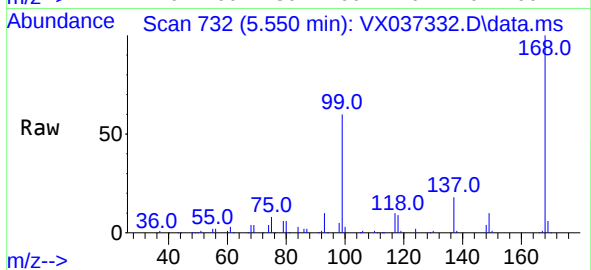
Quant Time: Aug 30 02:04:46 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081723W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 18 09:30:38 2023
Response via : Initial Calibration



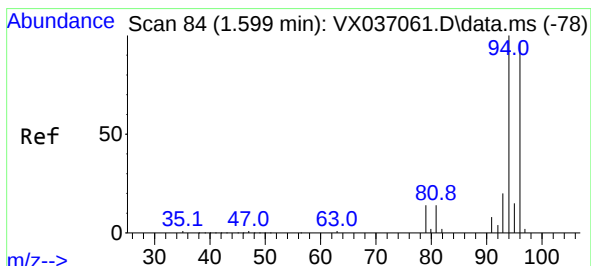
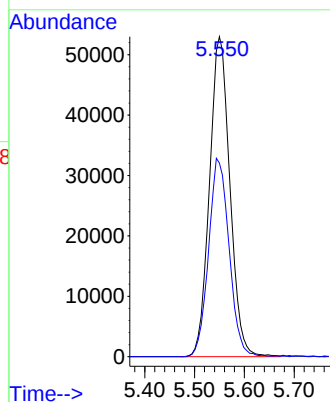


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX037332.D
Acq: 29 Aug 2023 11:08

Instrument :
MSVOA_X
ClientSampleId :

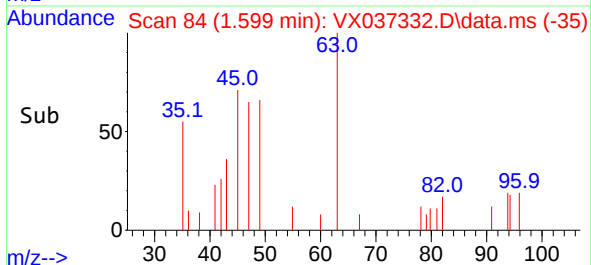
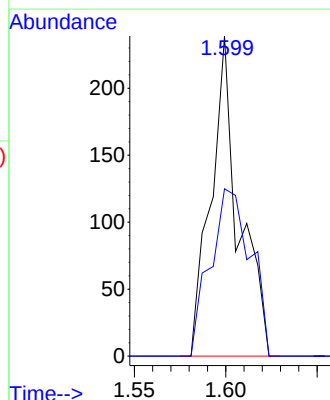
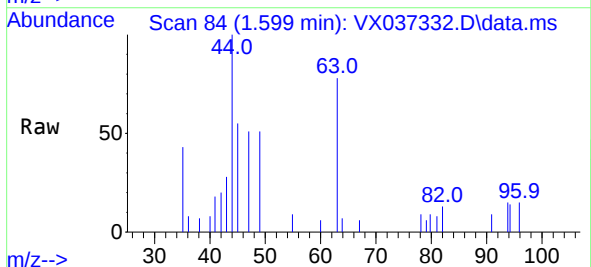


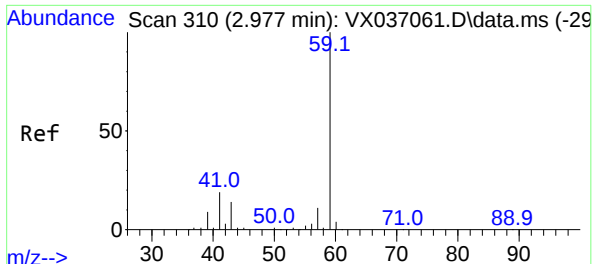
Tgt Ion:168 Resp: 150442
Ion Ratio Lower Upper
168 100
99 60.5 56.6 85.0



#5
Bromomethane
Concen: 0.306 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.000 min
Lab File: VX037332.D
Acq: 29 Aug 2023 11:08

Tgt Ion: 94 Resp: 254
Ion Ratio Lower Upper
94 100
96 52.3 74.6 111.8#





#11

Tert butyl alcohol

Concen: 1.861 ug/l

RT: 2.941 min Scan# 30

Delta R.T. -0.037 min

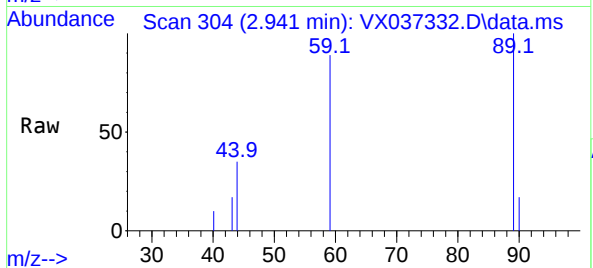
Lab File: VX037332.D

Acq: 29 Aug 2023 11:08

Instrument :

MSVOA_X

ClientSampleId :

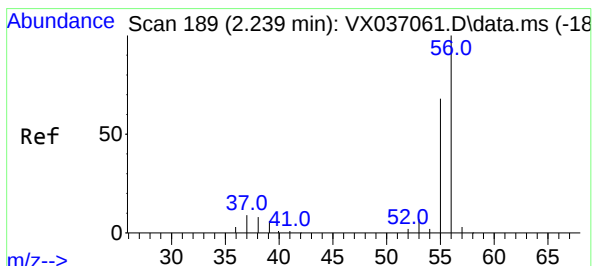
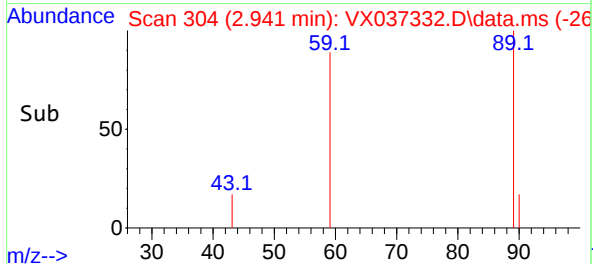
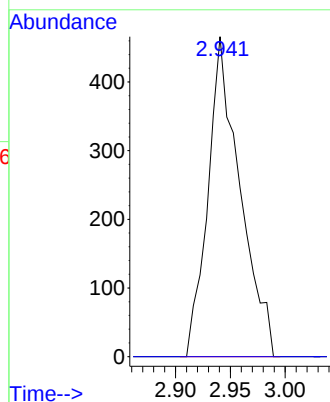


Tgt Ion: 59 Resp: 947

Ion Ratio Lower Upper

59 100

57 0.0 6.0 9.0#



#13

Acrolein

Concen: 0.519 ug/l

RT: 2.233 min Scan# 188

Delta R.T. -0.006 min

Lab File: VX037332.D

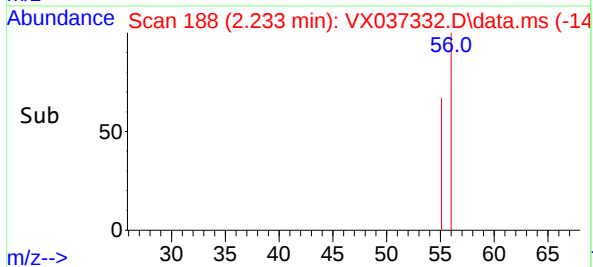
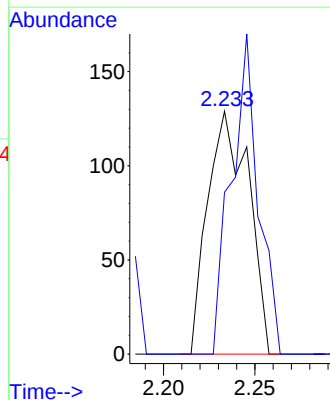
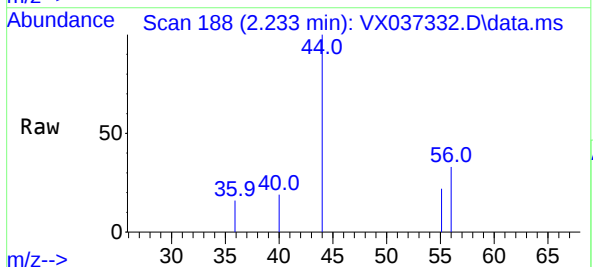
Acq: 29 Aug 2023 11:08

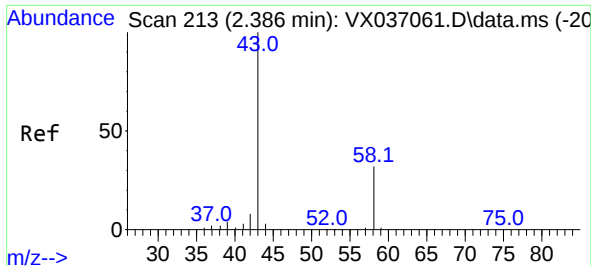
Tgt Ion: 56 Resp: 201

Ion Ratio Lower Upper

56 100

55 87.1 57.1 85.7#

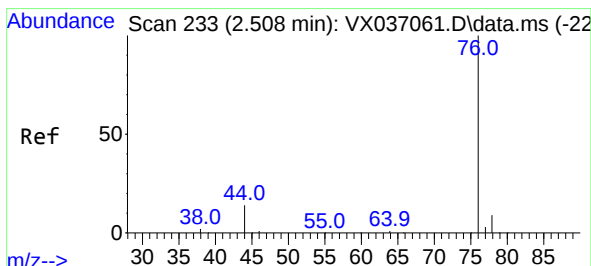
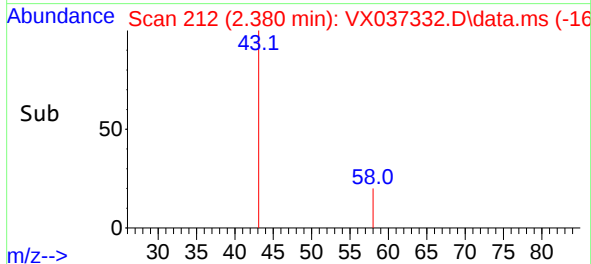
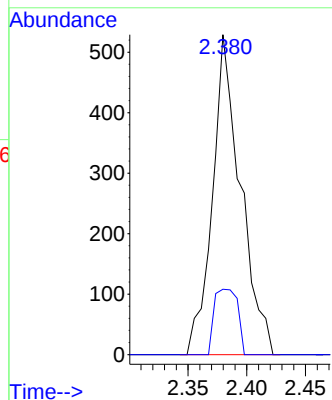
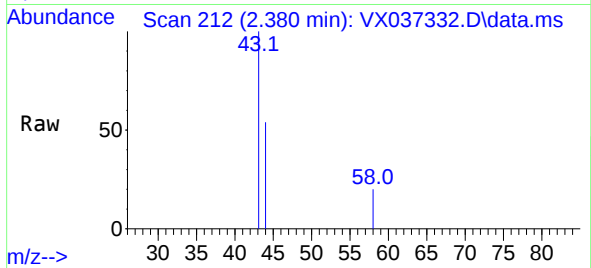




#16
Acetone
Concen: 1.035 ug/l
RT: 2.380 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX037332.D
Acq: 29 Aug 2023 11:08

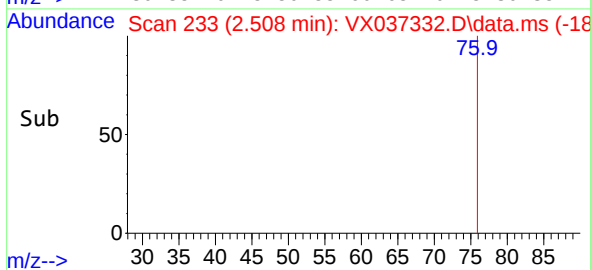
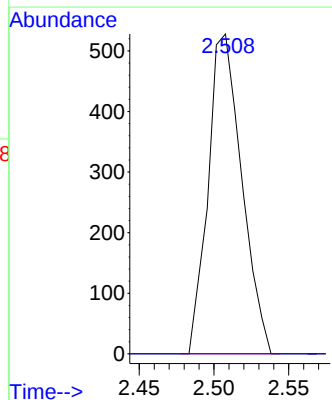
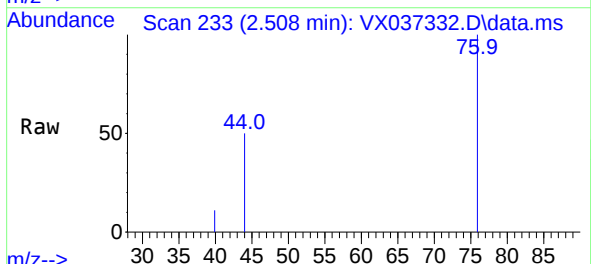
Instrument :
MSVOA_X
ClientSampleId :

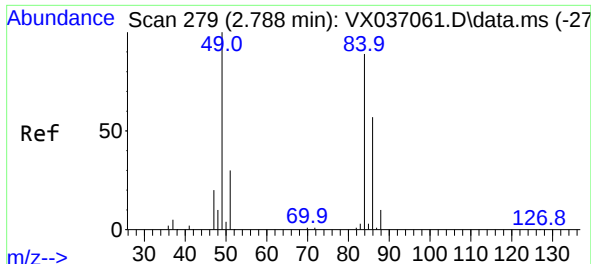
Tgt Ion: 43 Resp: 878
Ion Ratio Lower Upper
43 100
58 20.4 21.9 32.9#



#17
Carbon Disulfide
Concen: 0.210 ug/l
RT: 2.508 min Scan# 233
Delta R.T. 0.000 min
Lab File: VX037332.D
Acq: 29 Aug 2023 11:08

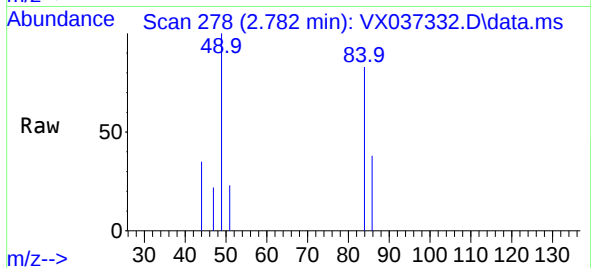
Tgt Ion: 76 Resp: 826
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.6#





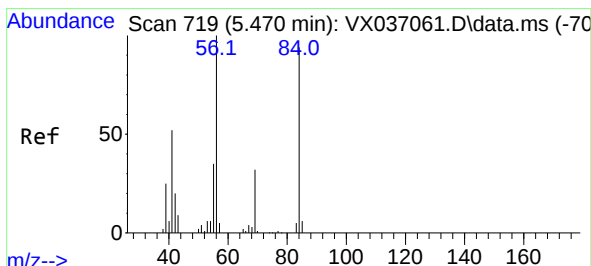
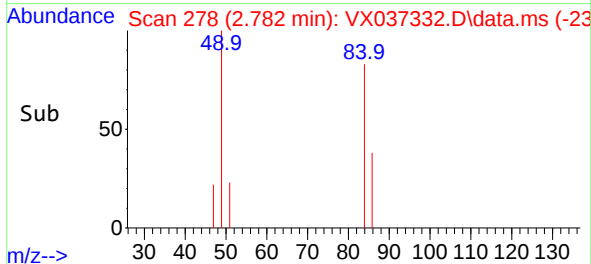
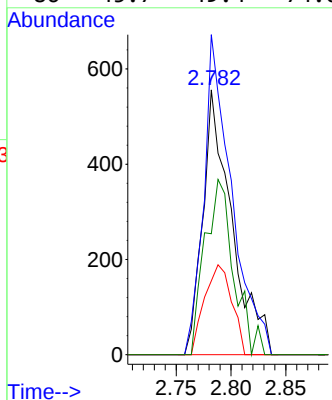
#20
Methylene Chloride
Concen: 0.539 ug/l
RT: 2.782 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX037332.D
Acq: 29 Aug 2023 11:08

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion: 84 Resp: 1022

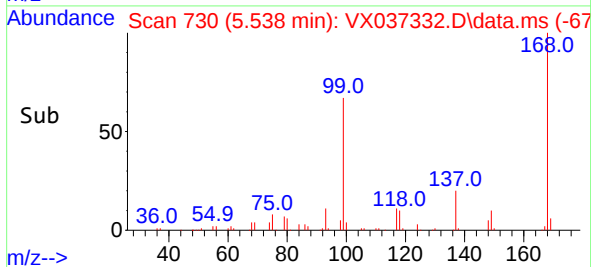
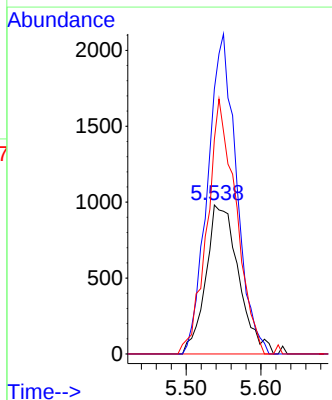
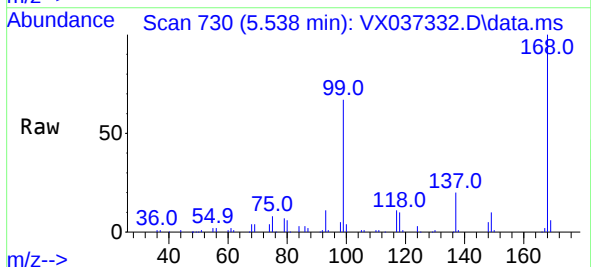
Ion	Ratio	Lower	Upper
84	100		
49	120.9	103.6	155.4
51	27.9	33.8	50.6#
86	45.7	49.4	74.0#

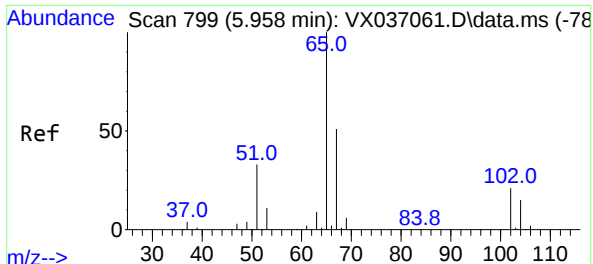


#31
Cyclohexane
Concen: 1.224 ug/l
RT: 5.538 min Scan# 730
Delta R.T. 0.067 min
Lab File: VX037332.D
Acq: 29 Aug 2023 11:08

Tgt Ion: 56 Resp: 2986

Ion	Ratio	Lower	Upper
56	100		
69	177.9	23.4	35.2#
84	144.1	65.9	98.9#

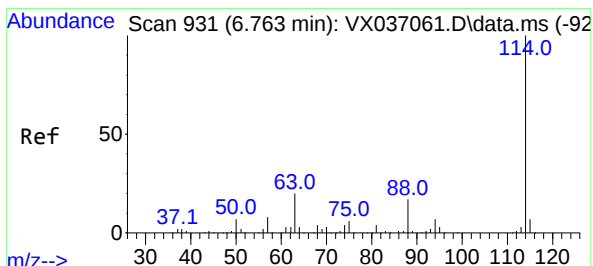
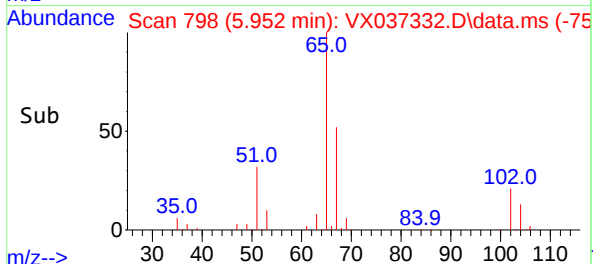
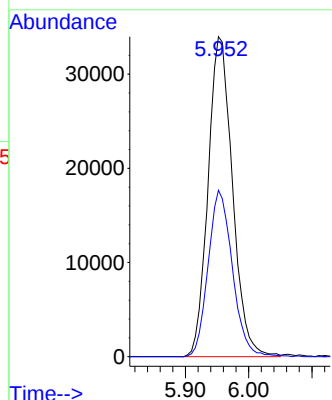
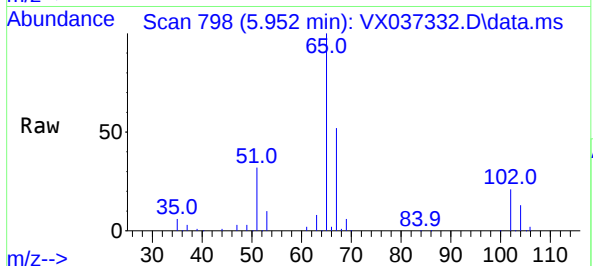




#33
 1,2-Dichloroethane-d4
 Concen: 41.974 ug/l
 RT: 5.952 min Scan# 799
 Delta R.T. -0.006 min
 Lab File: VX037332.D
 Acq: 29 Aug 2023 11:08

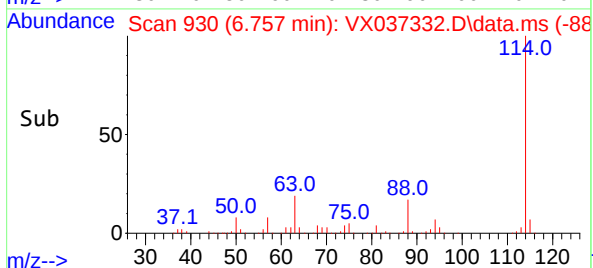
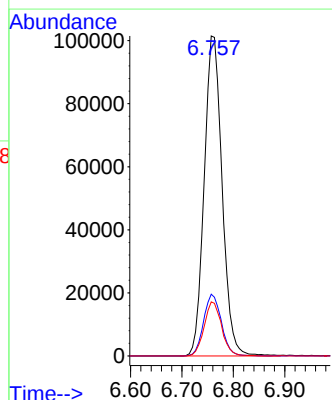
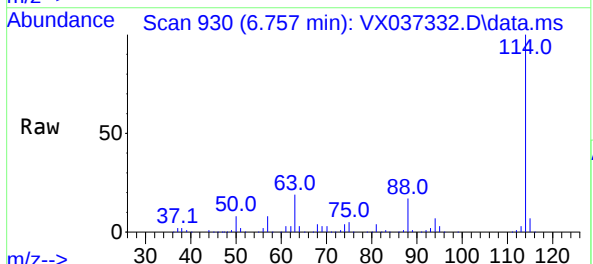
Instrument :
 MSVOA_X
 ClientSampleId :

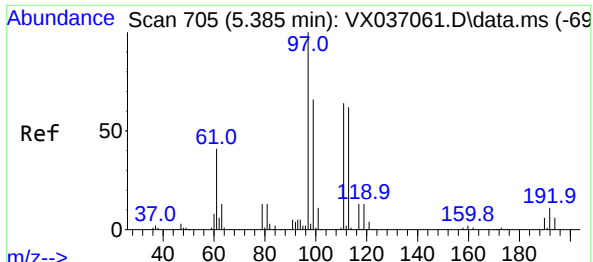
Tgt Ion: 65 Resp: 91036
 Ion Ratio Lower Upper
 65 100
 67 51.7 0.0 100.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.757 min Scan# 930
 Delta R.T. -0.006 min
 Lab File: VX037332.D
 Acq: 29 Aug 2023 11:08

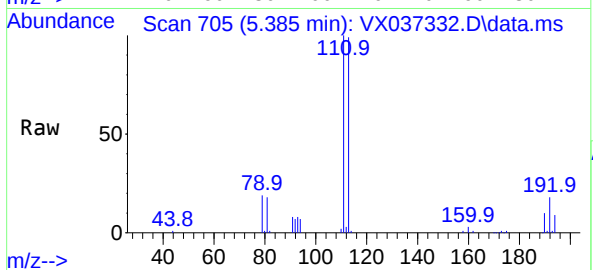
Tgt Ion: 114 Resp: 245961
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 45.0
 88 16.9 0.0 36.6



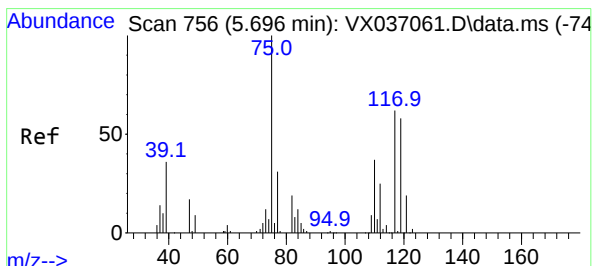
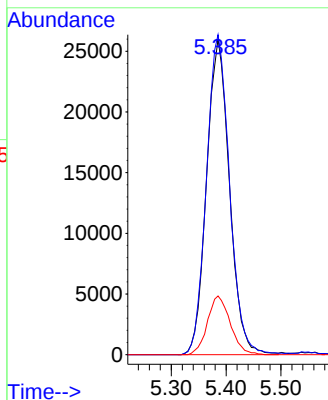
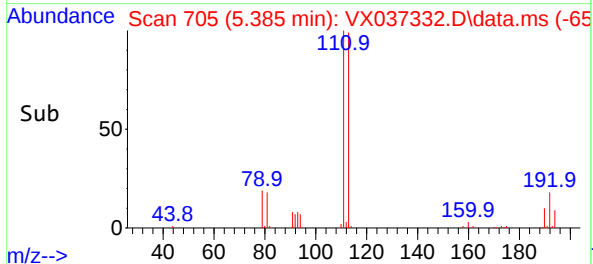


#35
Dibromofluoromethane
Concen: 46.229 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX037332.D
Acq: 29 Aug 2023 11:08

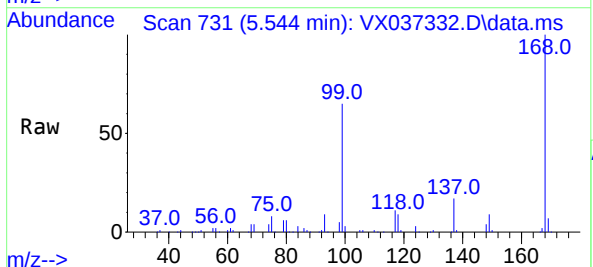
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MSVOA_X
ClientSampleId :



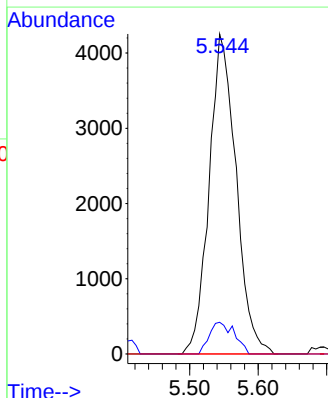
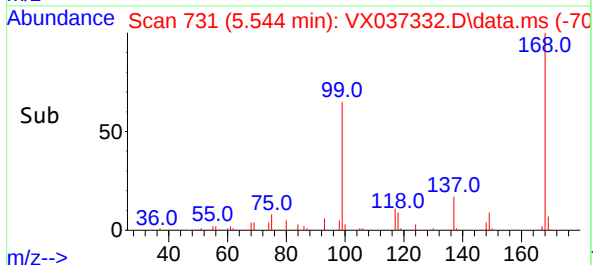
Tgt Ion:	113	Resp:	75305
Ion	Ratio	Lower	Upper
113	100		
111	102.5	82.9	124.3
192	18.6	13.3	19.9

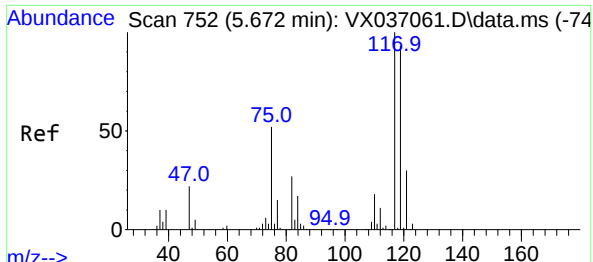


#36
1,1-Dichloropropene
Concen: 5.007 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.152 min
Lab File: VX037332.D
Acq: 29 Aug 2023 11:08



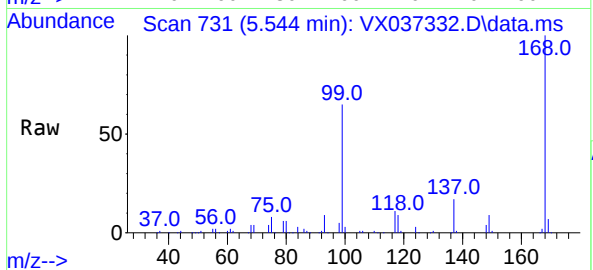
Tgt Ion:	75	Resp:	11587
Ion	Ratio	Lower	Upper
75	100		
110	9.2	17.0	50.9#
77	0.0	24.7	37.1#



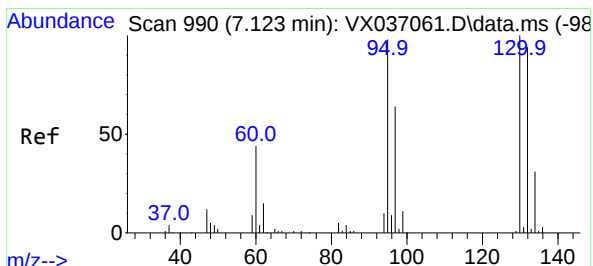
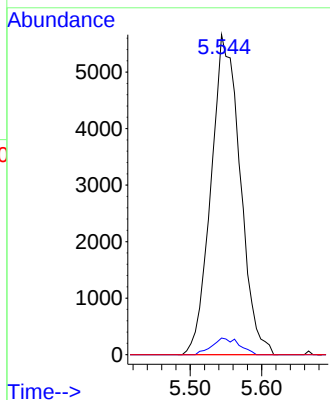
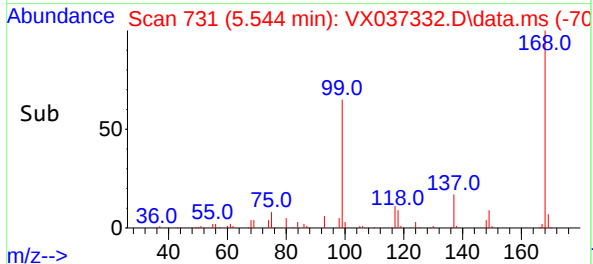


#38
Carbon Tetrachloride
Concen: 6.365 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX037332.D
Acq: 29 Aug 2023 11:08

Instrument :
MSVOA_X
ClientSampleId :

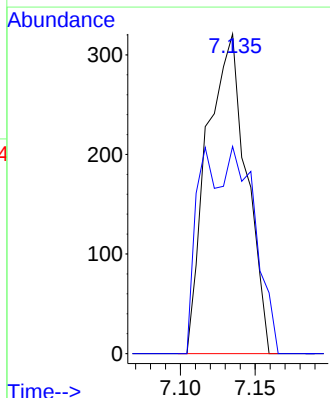
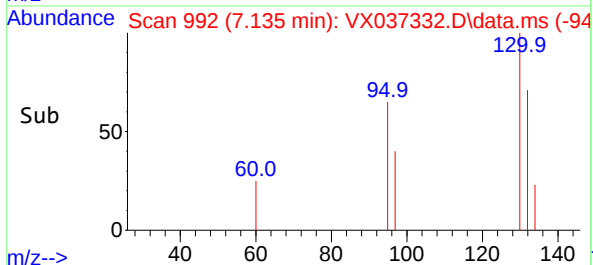
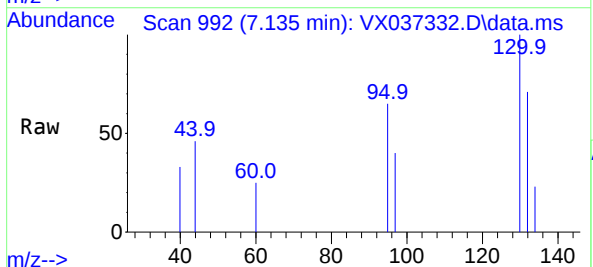


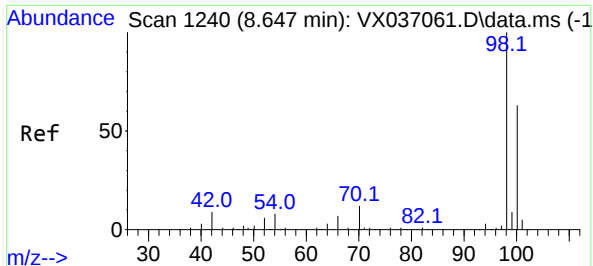
Tgt Ion:117 Resp: 16001
Ion Ratio Lower Upper
117 100
119 5.2 78.2 117.2#
121 0.0 24.4 36.6#



#44
Trichloroethene
Concen: 0.313 ug/l
RT: 7.135 min Scan# 992
Delta R.T. 0.012 min
Lab File: VX037332.D
Acq: 29 Aug 2023 11:08

Tgt Ion:130 Resp: 589
Ion Ratio Lower Upper
130 100
95 64.8 0.0 204.4

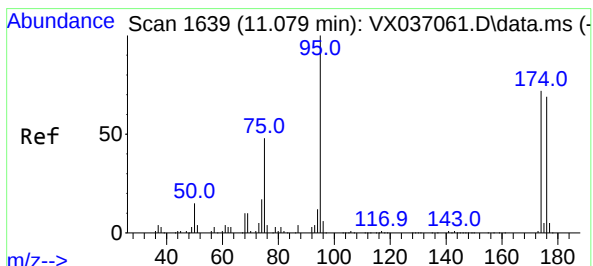
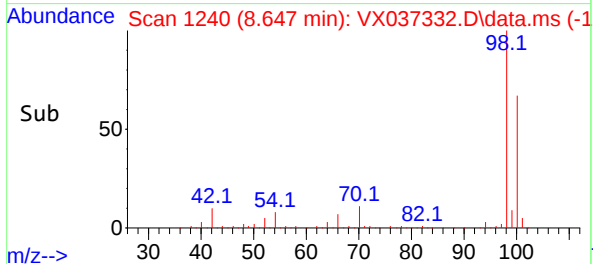
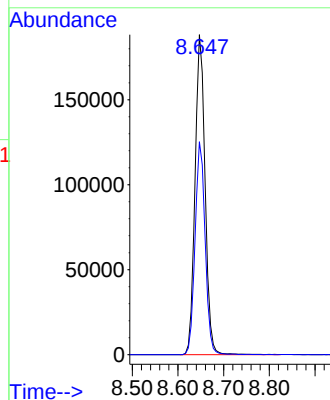
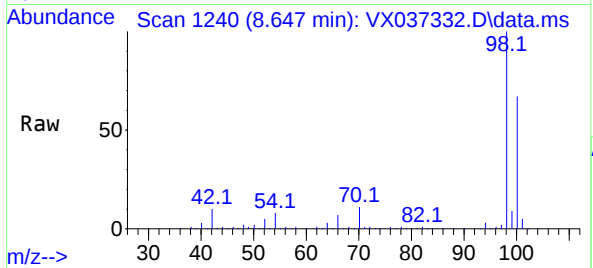




#50
Toluene-d8
Concen: 48.601 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX037332.D
Acq: 29 Aug 2023 11:08

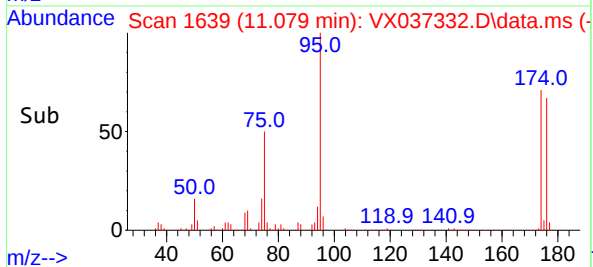
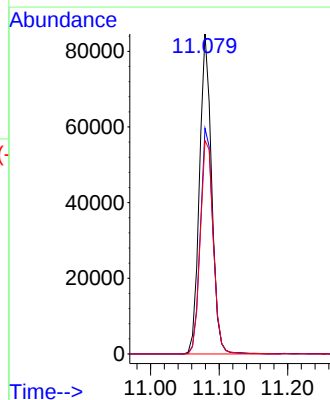
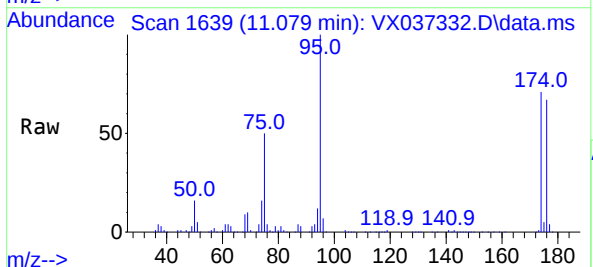
Instrument :
MSVOA_X
ClientSampleId :

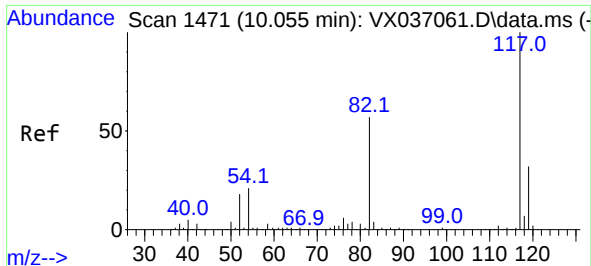
Tgt Ion: 98 Resp: 287175
Ion Ratio Lower Upper
98 100
100 66.7 53.1 79.7



#62
4-Bromofluorobenzene
Concen: 45.013 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX037332.D
Acq: 29 Aug 2023 11:08

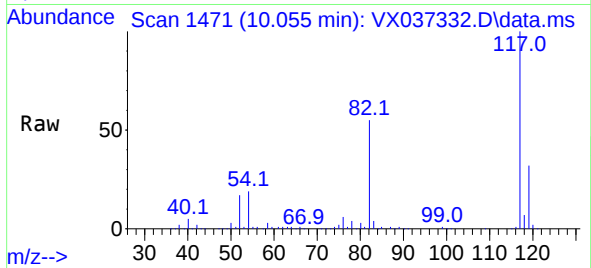
Tgt Ion: 95 Resp: 104524
Ion Ratio Lower Upper
95 100
174 73.5 0.0 135.6
176 71.2 0.0 131.0



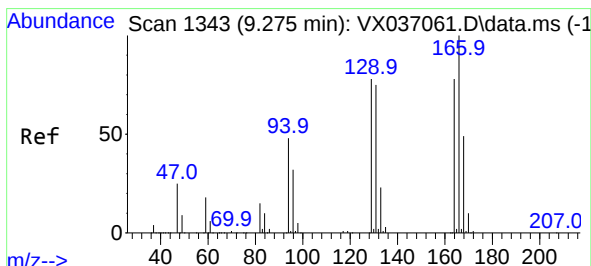
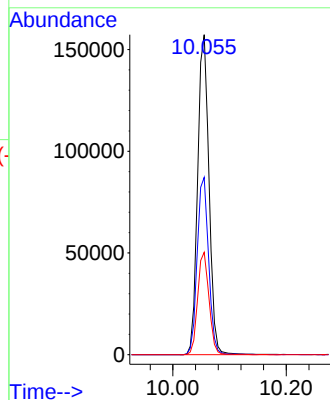
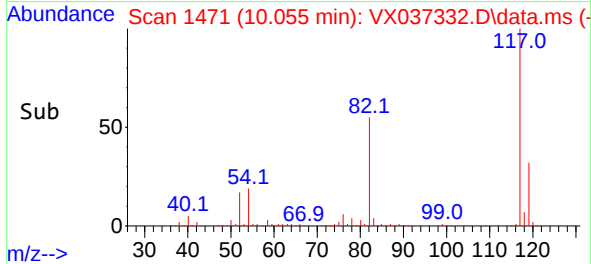


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX037332.D
Acq: 29 Aug 2023 11:08

Instrument :
MSVOA_X
ClientSampleId :

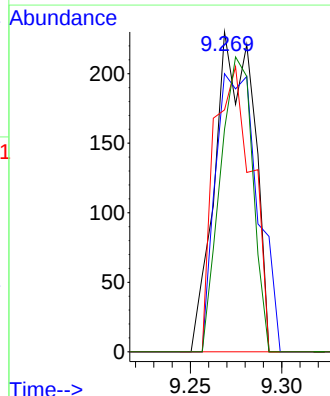
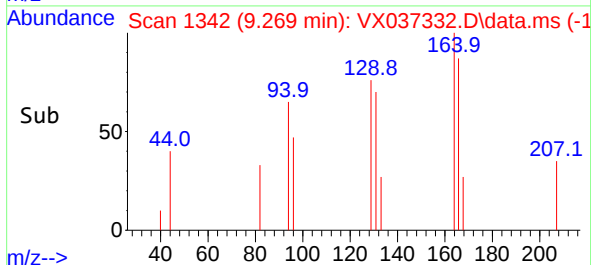
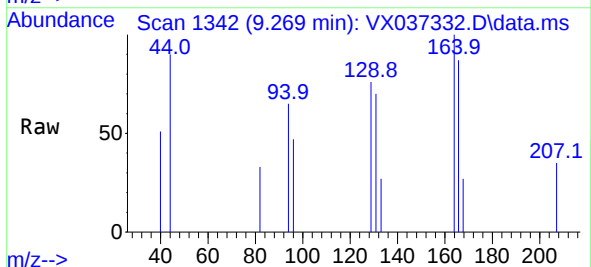


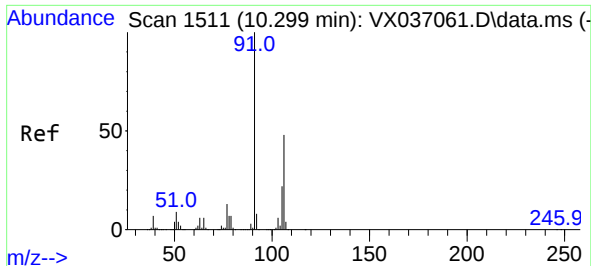
Tgt Ion:117 Resp: 218521
Ion Ratio Lower Upper
117 100
82 55.4 46.2 69.4
119 32.0 25.5 38.3



#64
Tetrachloroethene
Concen: 0.214 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.006 min
Lab File: VX037332.D
Acq: 29 Aug 2023 11:08

Tgt Ion:164 Resp: 341
Ion Ratio Lower Upper
164 100
166 87.0 102.7 154.1#
129 75.7 80.4 120.6#
131 69.6 76.5 114.7#

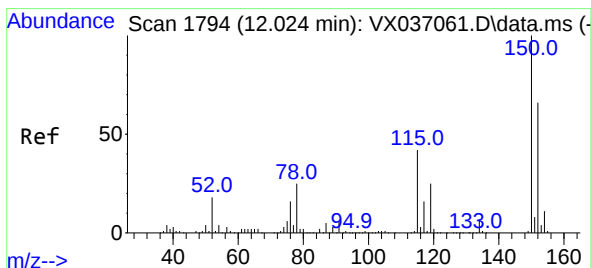
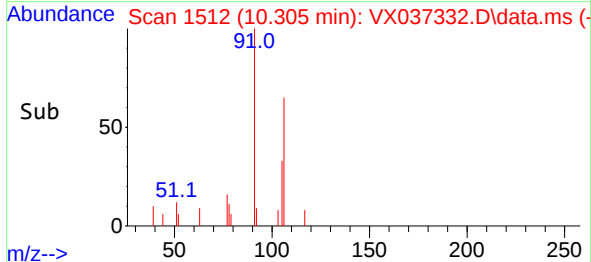
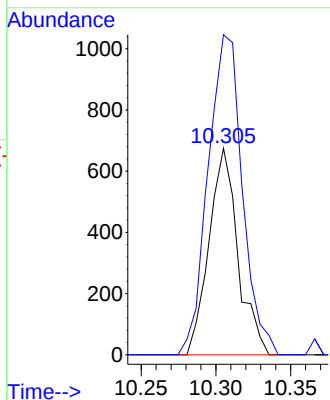
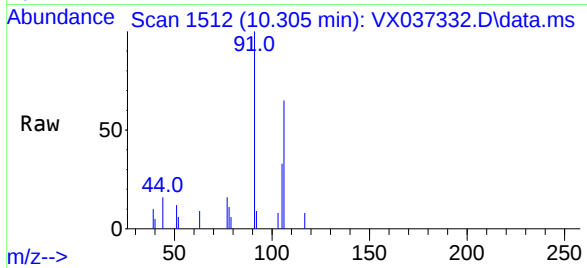




#68
m/p-Xylenes
Concen: 0.289 ug/l
RT: 10.305 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX037332.D
Acq: 29 Aug 2023 11:08

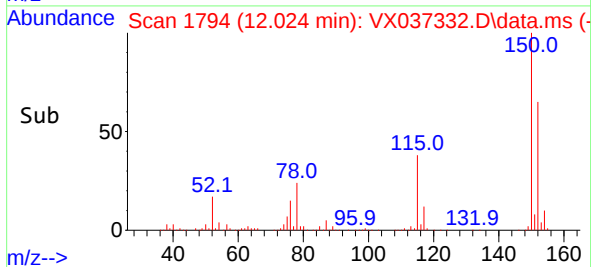
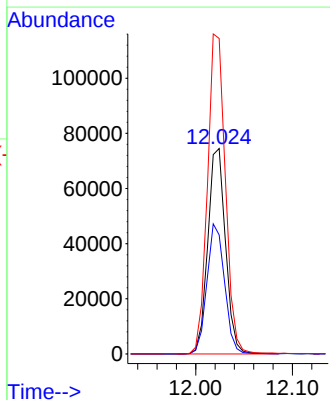
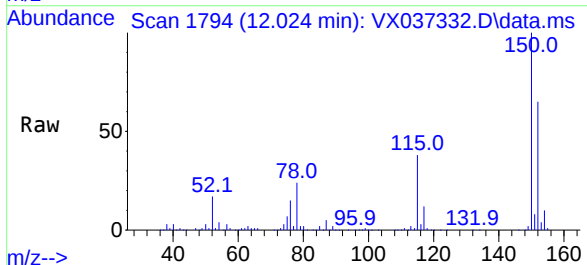
Instrument :
MSVOA_X
ClientSampleId :

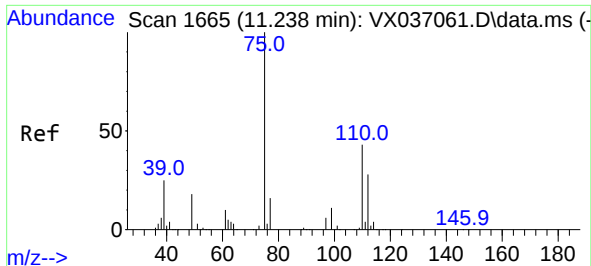
Tgt Ion:106 Resp: 908
Ion Ratio Lower Upper
106 100
91 183.9 165.5 248.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX037332.D
Acq: 29 Aug 2023 11:08

Tgt Ion:152 Resp: 95386
Ion Ratio Lower Upper
152 100
115 62.7 43.3 129.9
150 157.4 0.0 345.0

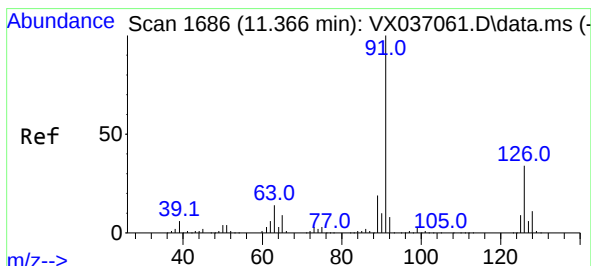
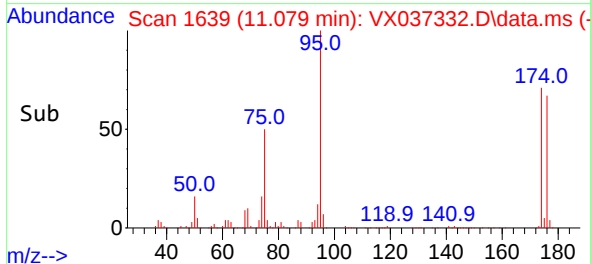
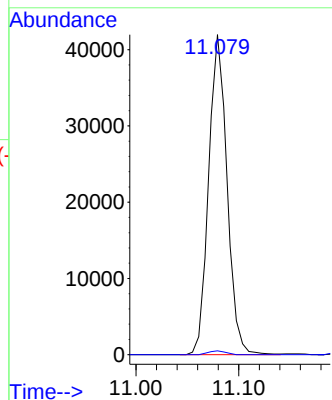
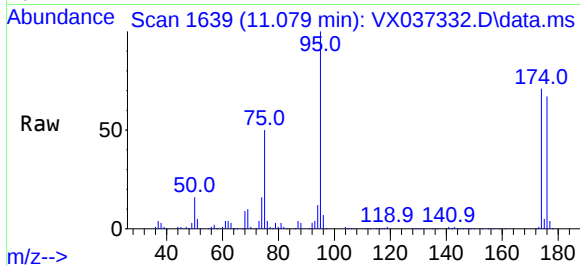




#76
1,2,3-Trichloropropane
Concen: 25.678 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX037332.D
Acq: 29 Aug 2023 11:08

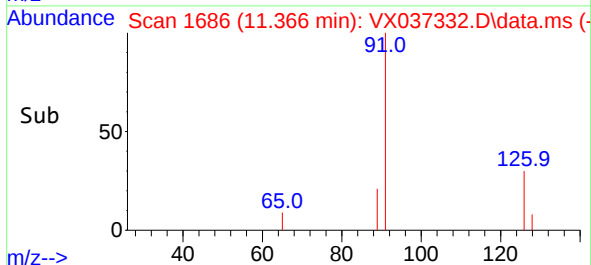
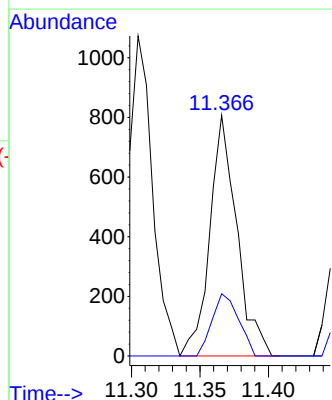
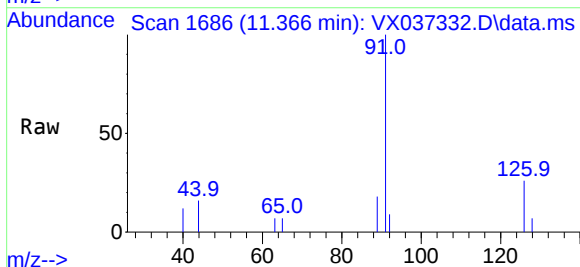
Instrument :
MSVOA_X
ClientSampleId :

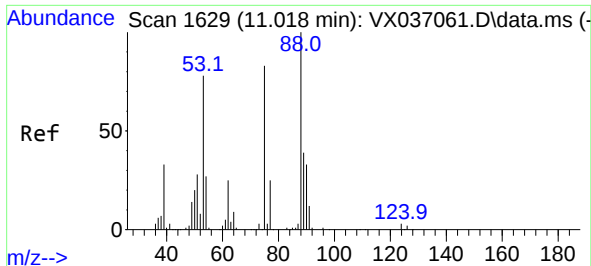
Tgt Ion: 75 Resp: 52162
Ion Ratio Lower Upper
75 100
77 1.1 19.1 57.5#



#79
2-Chlorotoluene
Concen: 0.225 ug/l
RT: 11.366 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VX037332.D
Acq: 29 Aug 2023 11:08

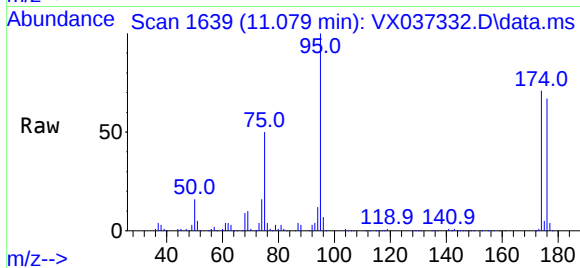
Tgt Ion: 91 Resp: 1109
Ion Ratio Lower Upper
91 100
126 25.3 16.3 48.8



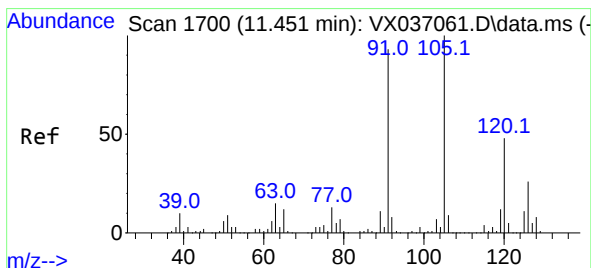
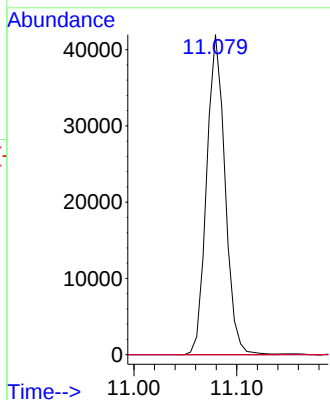
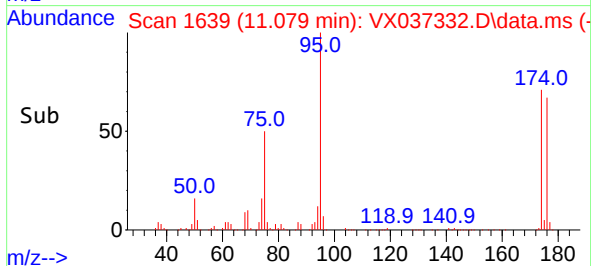


#81
trans-1,4-Dichloro-2-butene
Concen: 71.719 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX037332.D
Acq: 29 Aug 2023 11:08

Instrument :
MSVOA_X
ClientSampleId :

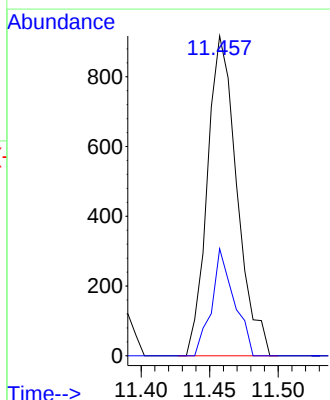
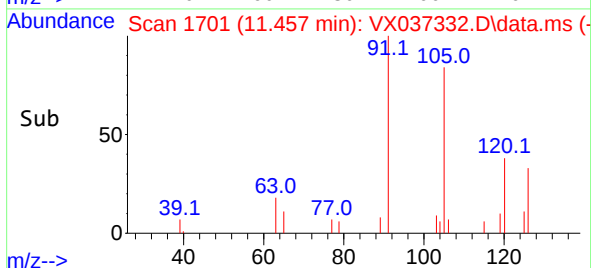
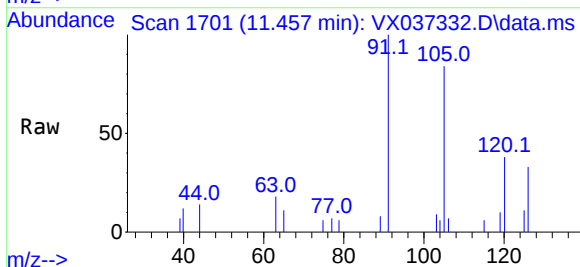


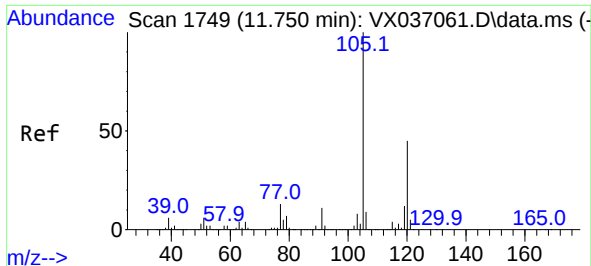
Tgt Ion: 75 Resp: 52162
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#



#82
4-Chlorotoluene
Concen: 0.242 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. 0.006 min
Lab File: VX037332.D
Acq: 29 Aug 2023 11:08

Tgt Ion: 91 Resp: 1378
Ion Ratio Lower Upper
91 100
126 25.4 14.2 42.6

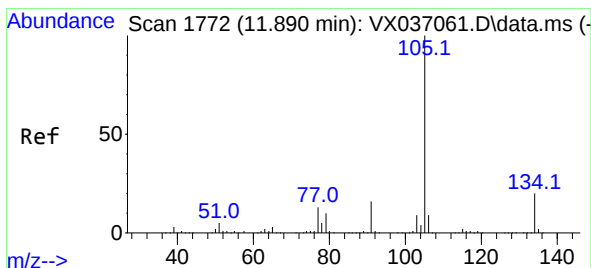
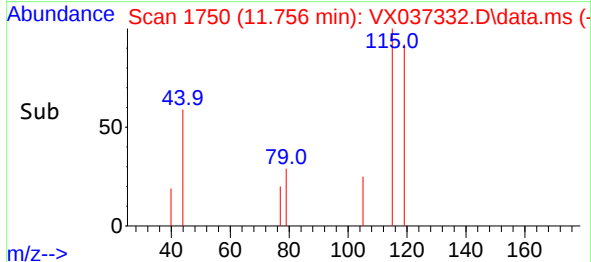
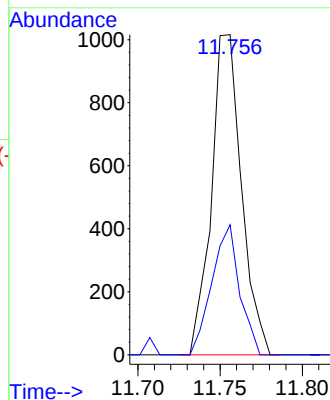
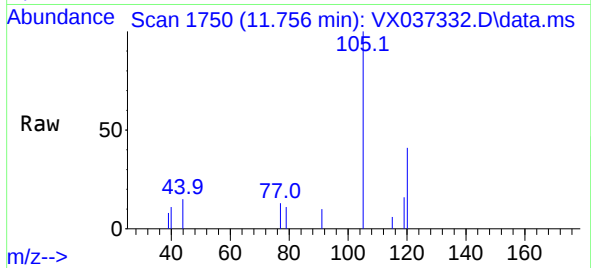




#84
1,2,4-Trimethylbenzene
Concen: 0.221 ug/l
RT: 11.756 min Scan# 11750
Delta R.T. 0.006 min
Lab File: VX037332.D
Acq: 29 Aug 2023 11:08

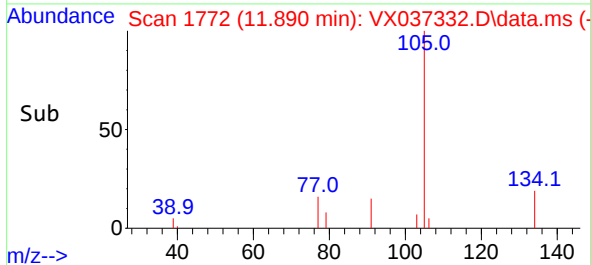
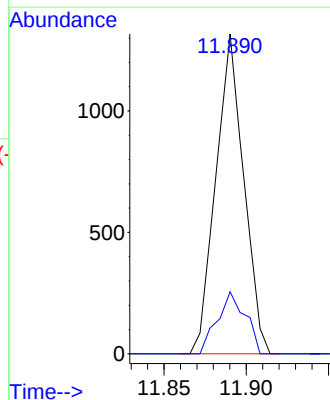
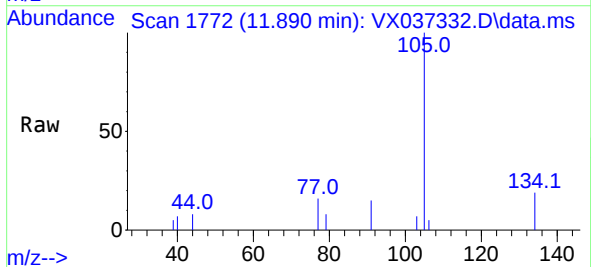
Instrument :
MSVOA_X
ClientSampleId :

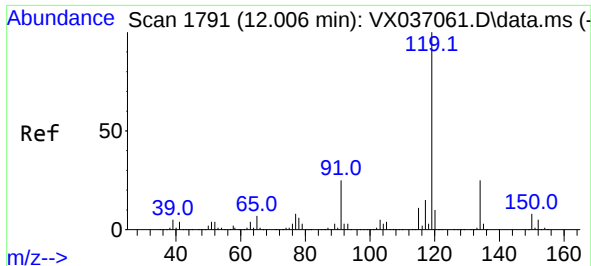
Tgt Ion:105 Resp: 1292
Ion Ratio Lower Upper
105 100
120 37.3 21.2 63.6



#85
sec-Butylbenzene
Concen: 0.241 ug/l
RT: 11.890 min Scan# 1772
Delta R.T. 0.000 min
Lab File: VX037332.D
Acq: 29 Aug 2023 11:08

Tgt Ion:105 Resp: 1554
Ion Ratio Lower Upper
105 100
134 19.4 9.8 29.4

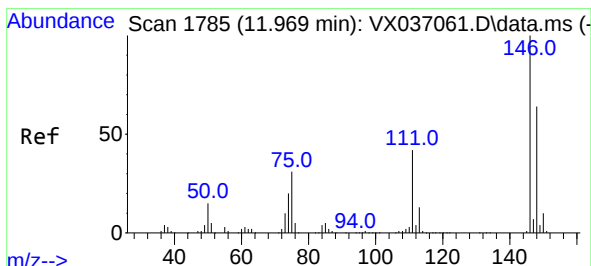
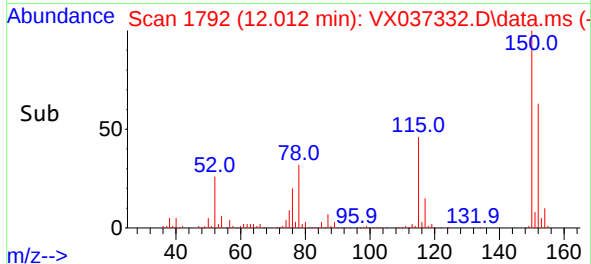
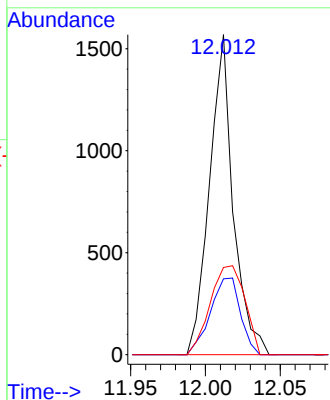
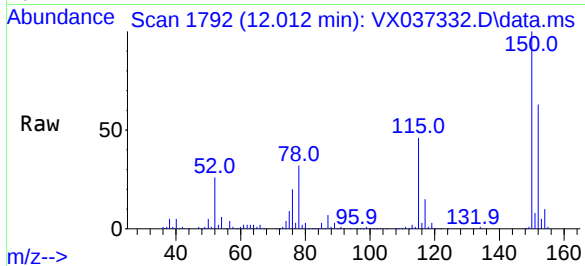




#86
p-Isopropyltoluene
Concen: 0.312 ug/l
RT: 12.012 min Scan# 1792
Delta R.T. 0.006 min
Lab File: VX037332.D
Acq: 29 Aug 2023 11:08

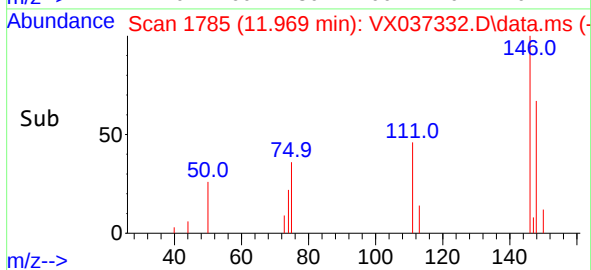
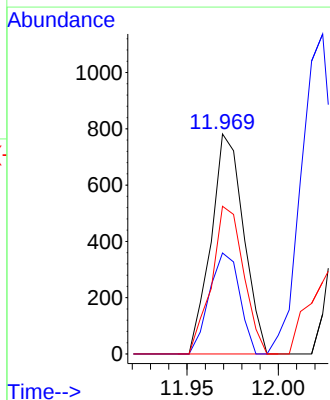
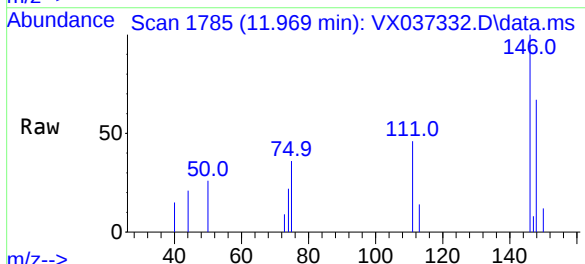
Instrument :
MSVOA_X
ClientSampleId :

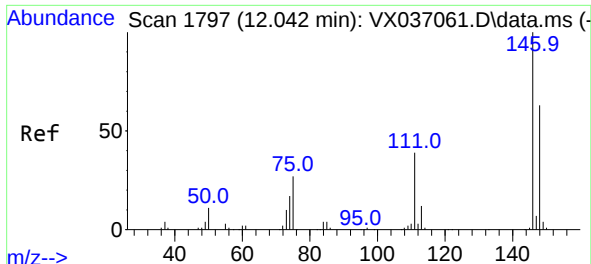
Tgt Ion:119 Resp: 1729
Ion Ratio Lower Upper
119 100
134 30.4 12.8 38.3
91 40.5 13.1 39.3#



#87
1,3-Dichlorobenzene
Concen: 0.305 ug/l
RT: 11.969 min Scan# 1785
Delta R.T. 0.000 min
Lab File: VX037332.D
Acq: 29 Aug 2023 11:08

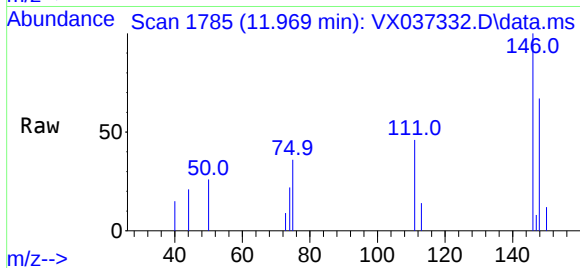
Tgt Ion:146 Resp: 966
Ion Ratio Lower Upper
146 100
111 42.9 22.1 66.1
148 65.7 31.8 95.3



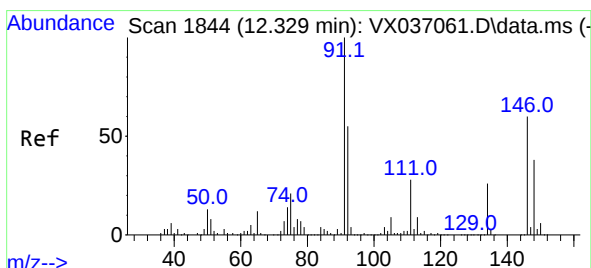
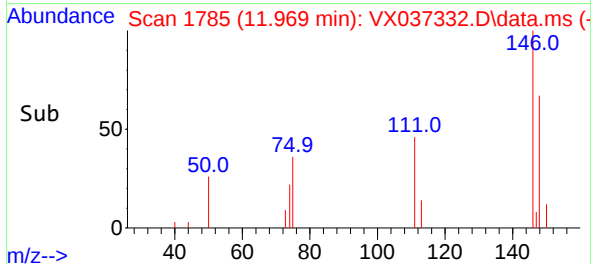
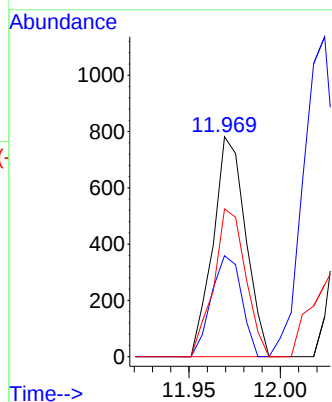


#88
1,4-Dichlorobenzene
Concen: 0.295 ug/l
RT: 11.969 min Scan# 11
Delta R.T. -0.073 min
Lab File: VX037332.D
Acq: 29 Aug 2023 11:08

Instrument :
MSVOA_X
ClientSampleId :

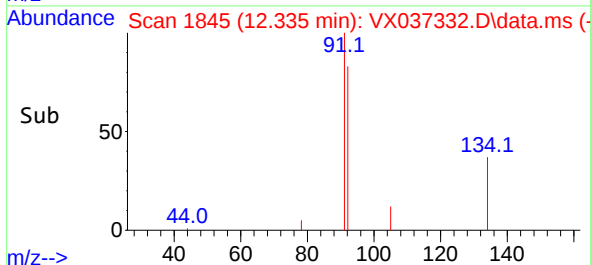
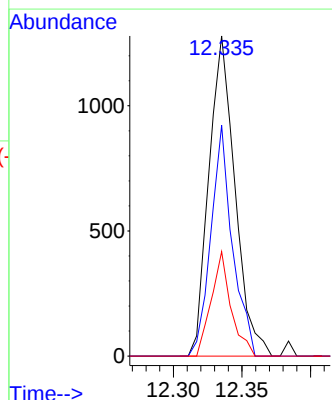
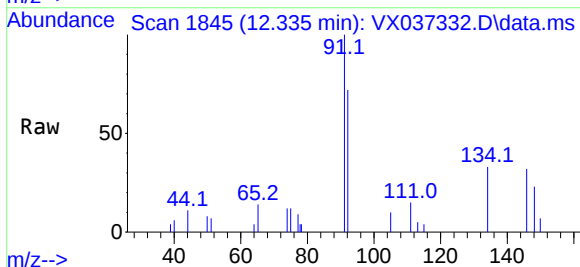


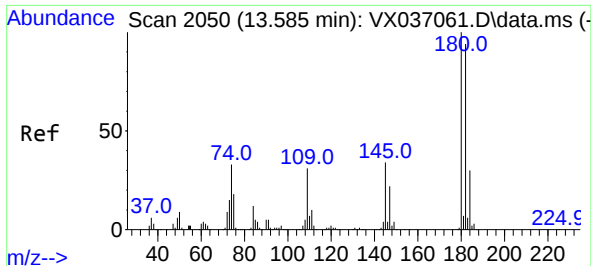
Tgt Ion:146 Resp: 966
Ion Ratio Lower Upper
146 100
111 42.9 21.3 63.7
148 65.7 31.8 95.4



#89
n-Butylbenzene
Concen: 0.368 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.006 min
Lab File: VX037332.D
Acq: 29 Aug 2023 11:08

Tgt Ion: 91 Resp: 1693
Ion Ratio Lower Upper
91 100
92 59.6 27.4 82.0
134 24.8 12.6 37.8





#93

1,2,4-Trichlorobenzene

Concen: 0.650 ug/l

RT: 13.585 min Scan# 2050

Delta R.T. 0.000 min

Lab File: VX037332.D

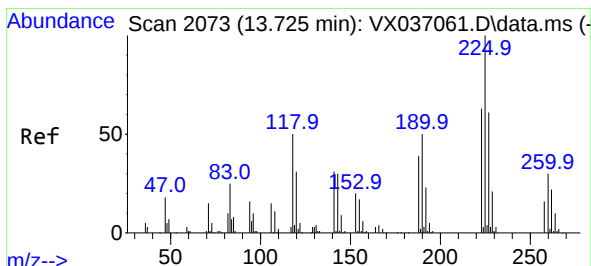
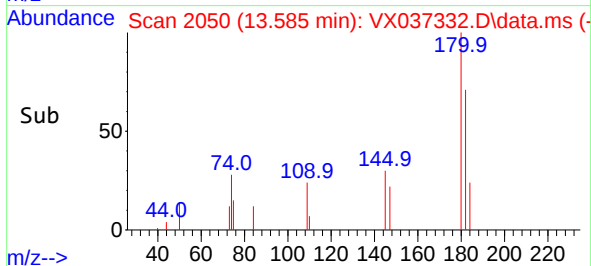
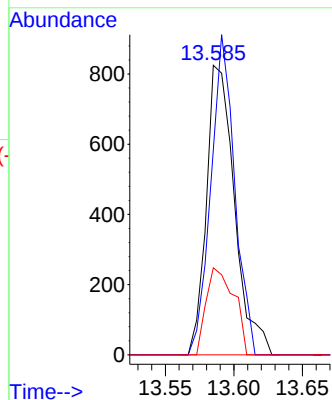
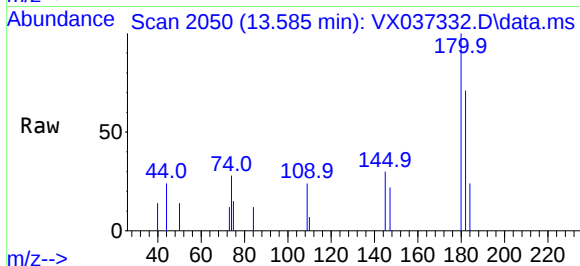
Acq: 29 Aug 2023 11:08

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion:180	Resp:	1181
Ion Ratio	Lower	Upper
180	100	
182	93.1	48.3 144.8
145	29.6	18.0 54.0



#94

Hexachlorobutadiene

Concen: 0.718 ug/l

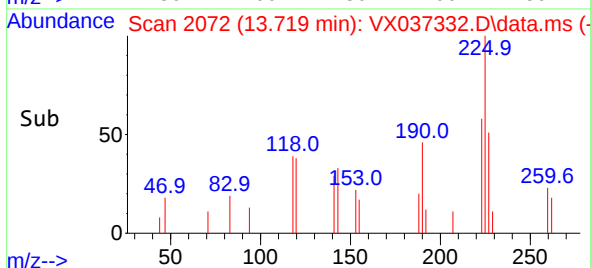
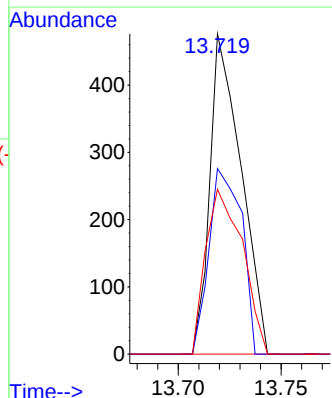
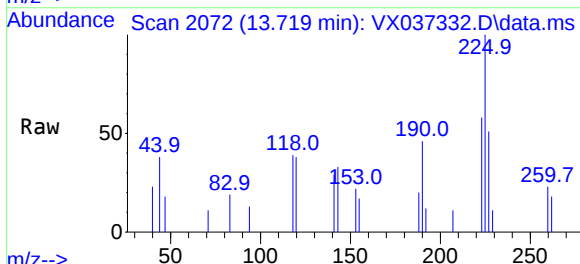
RT: 13.719 min Scan# 2072

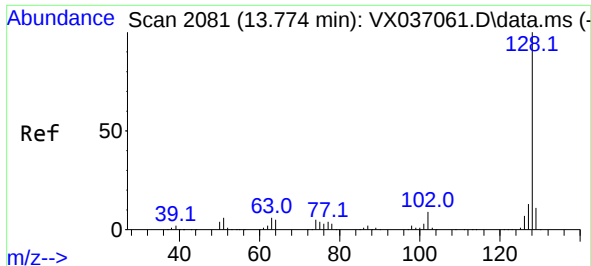
Delta R.T. -0.006 min

Lab File: VX037332.D

Acq: 29 Aug 2023 11:08

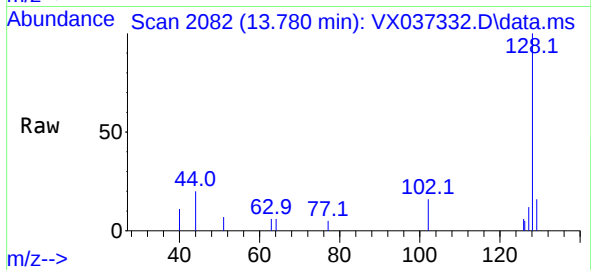
Tgt Ion:225	Resp:	504
Ion Ratio	Lower	Upper
225	100	
223	60.3	31.1 93.2
227	60.5	32.5 97.5



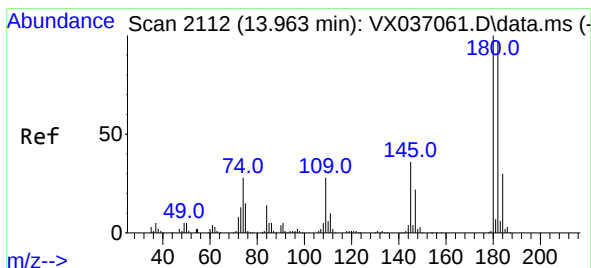
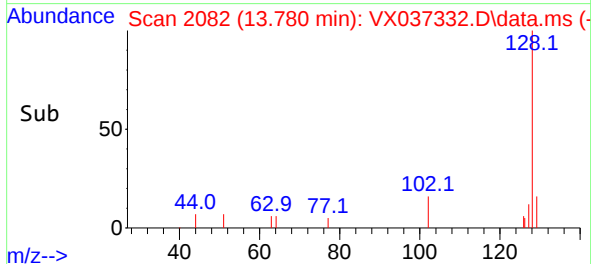
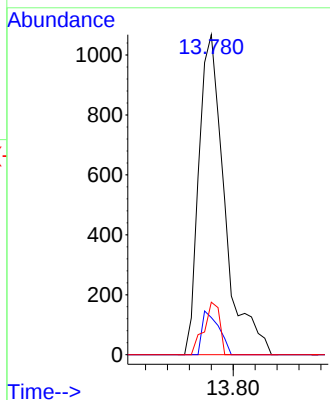


#95
Naphthalene
Concen: 0.220 ug/l
RT: 13.780 min Scan# 2081
Delta R.T. 0.006 min
Lab File: VX037332.D
Acq: 29 Aug 2023 11:08

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion:128 Resp: 1752
Ion Ratio Lower Upper
128 100
127 8.8 10.3 15.5#
129 9.9 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 0.593 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.000 min
Lab File: VX037332.D
Acq: 29 Aug 2023 11:08

Tgt Ion:180 Resp: 1070
Ion Ratio Lower Upper
180 100
182 90.7 46.9 140.6
145 37.0 17.8 53.5

