

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD080723\
 Data File : VD076930.D
 Acq On : 07 Aug 2023 14:47
 Operator : KP/SY
 Sample : 03897-01RE
 Misc : 5.05G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 WC-1RE

Quant Time: Aug 08 04:40:01 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D071423S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 17 08:07:52 2023
 Response via : Initial Calibration

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

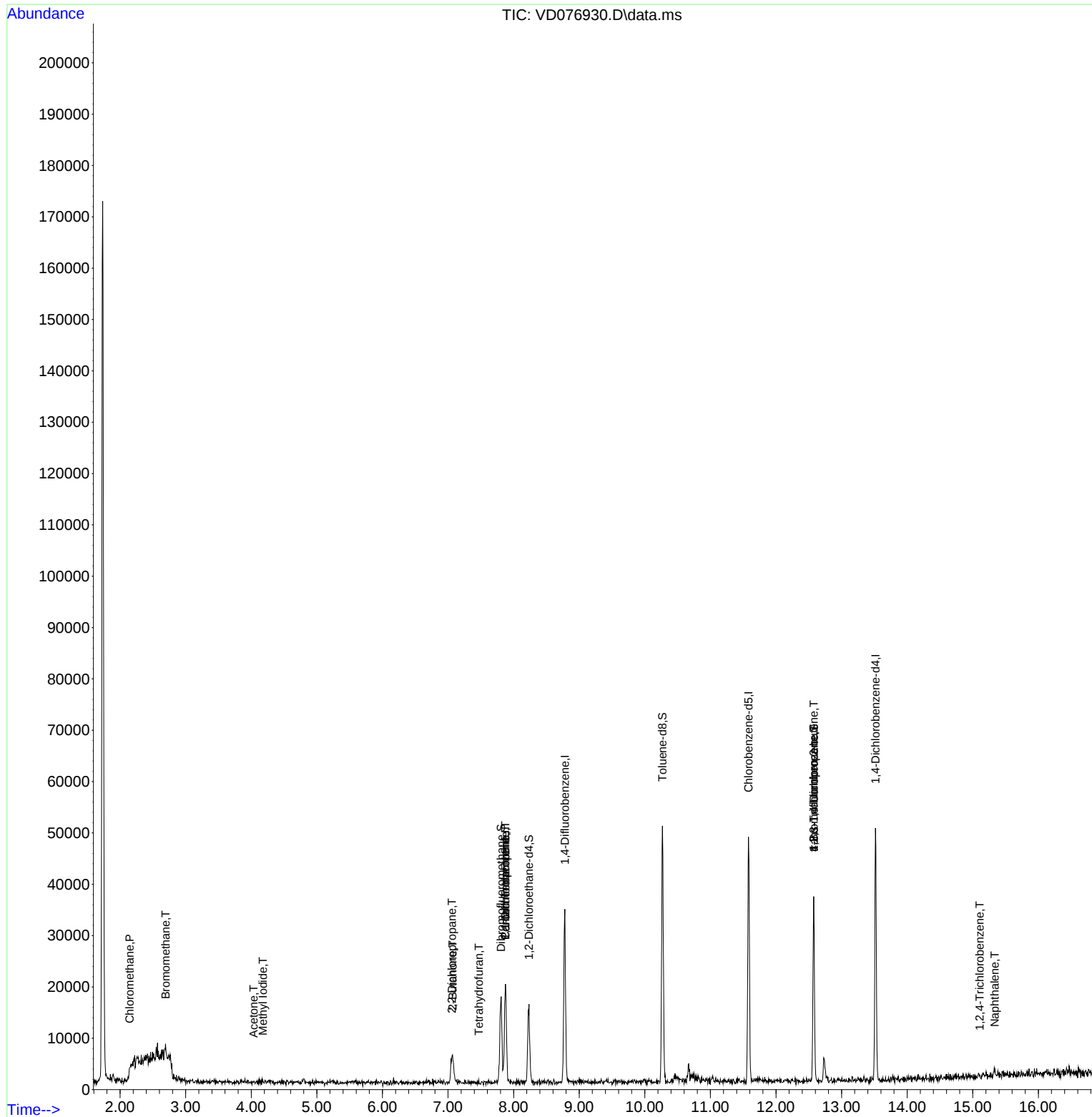
Internal Standards						
1) Pentafluorobenzene	7.875	168	15147	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	30730	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	29527	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	13672	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	10884	72.142	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 144.280%			
35) Dibromofluoromethane	7.810	113	11931	61.784	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 123.560%			
50) Toluene-d8	10.269	98	35727	51.716	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 103.440%			
62) 4-Bromofluorobenzene	12.575	95	10884	48.702	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 97.400%			
Target Compounds						Qvalue
3) Chloromethane	2.146	50	489	2.393	ug/l #	41
5) Bromomethane	2.693	94	1081	4.824	ug/l #	70
10) Methyl Iodide	4.175	142	236	1.314	ug/l #	77
16) Acetone	4.034	43	78	2.165	ug/l #	32
20) Methylene Chloride	4.781	84	429	Below Cal	#	17
25) 2-Butanone	7.069	43	109	2.260	ug/l #	37
26) 2,2-Dichloropropane	7.058	77	339	1.253	ug/l #	49
29) Tetrahydrofuran	7.469	42	66	2.317	ug/l #	23
36) 1,1-Dichloropropene	7.875	75	1348	5.342	ug/l #	39
38) Carbon Tetrachloride	7.875	117	1755	7.263	ug/l #	11
76) 1,2,3-Trichloropropane	12.575	75	6219	47.831	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	6219	101.798	ug/l #	17
93) 1,2,4-Trichlorobenzene	15.104	180	295	1.164	ug/l #	85
95) Naphthalene	15.334	128	1077	1.963	ug/l #	69

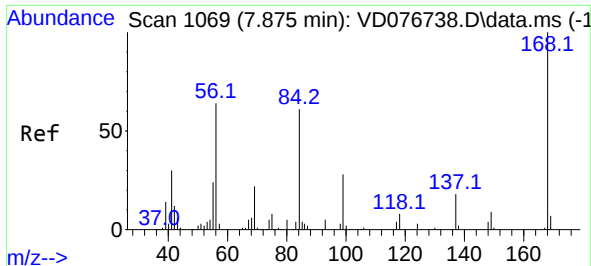
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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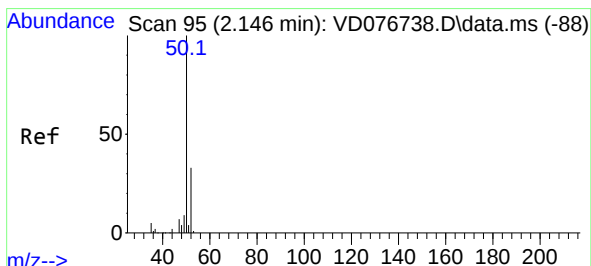
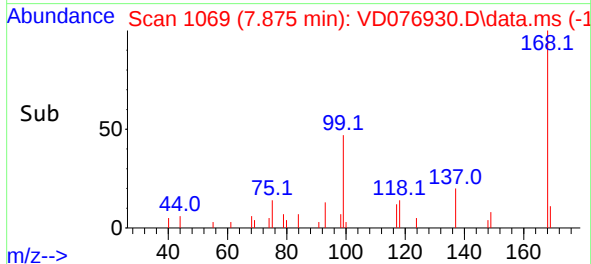
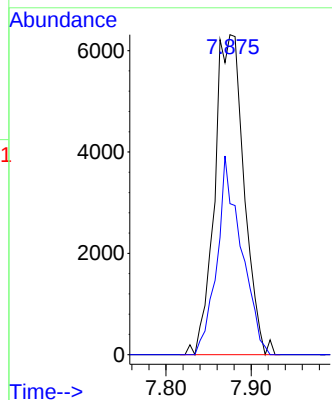
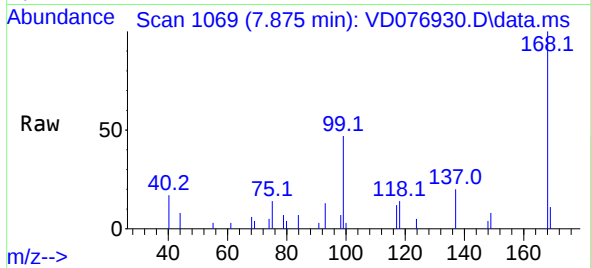




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD076930.D
Acq: 07 Aug 2023 14:47

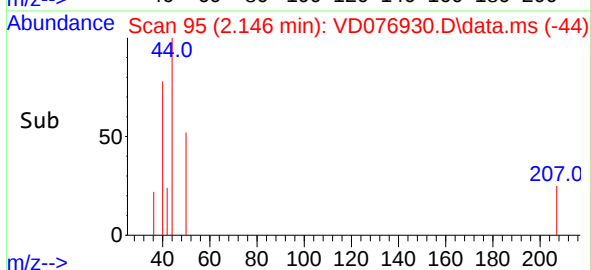
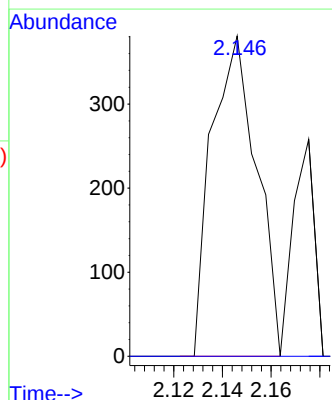
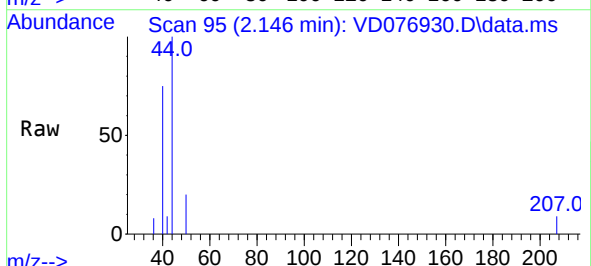
Instrument :
MSVOA_D
ClientSampleId :
WC-1RE

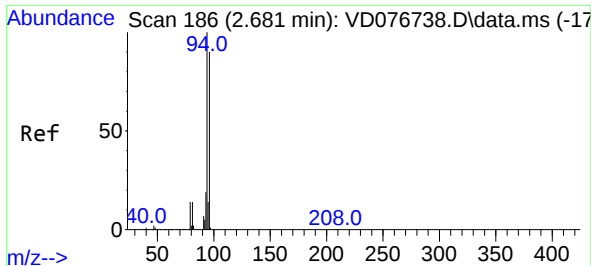
Tgt Ion:168 Resp: 15147
Ion Ratio Lower Upper
168 100
99 47.2 36.7 55.1



#3
Chloromethane
Concen: 2.393 ug/l
RT: 2.146 min Scan# 95
Delta R.T. 0.000 min
Lab File: VD076930.D
Acq: 07 Aug 2023 14:47

Tgt Ion: 50 Resp: 489
Ion Ratio Lower Upper
50 100
52 0.0 26.6 40.0#

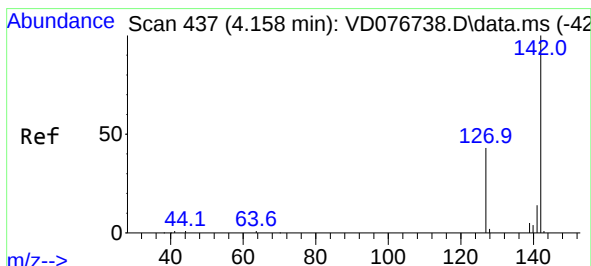
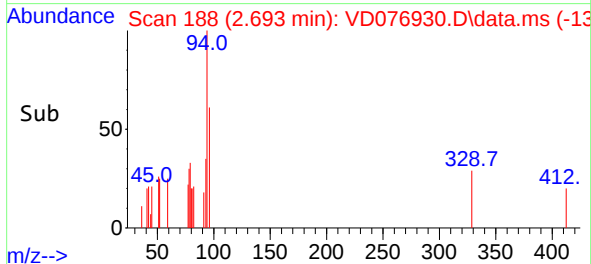
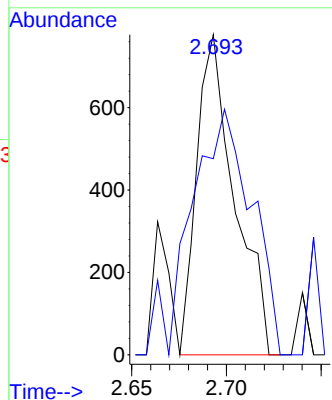
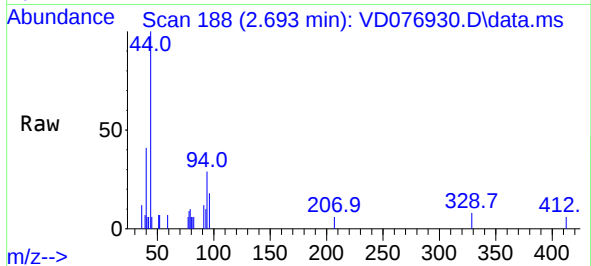




#5
Bromomethane
Concen: 4.824 ug/l
RT: 2.693 min Scan# 11
Delta R.T. 0.012 min
Lab File: VD076930.D
Acq: 07 Aug 2023 14:47

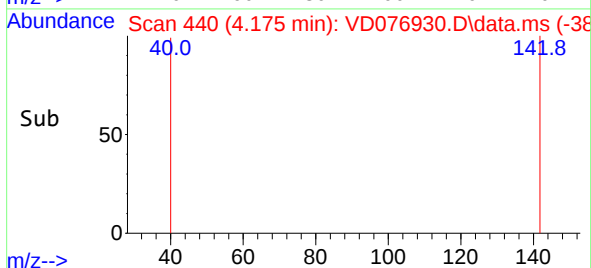
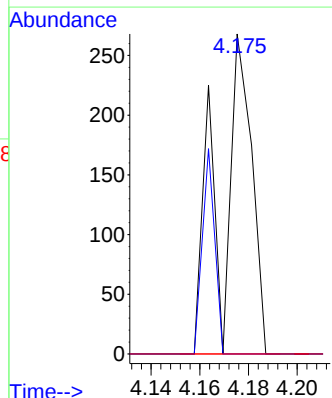
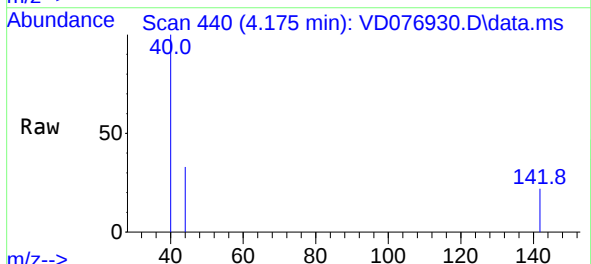
Instrument :
MSVOA_D
ClientSampleId :
WC-1RE

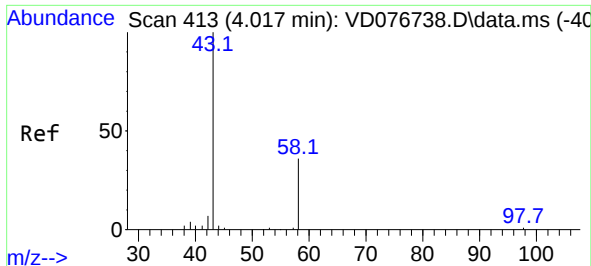
Tgt Ion: 94 Resp: 1081
Ion Ratio Lower Upper
94 100
96 123.7 75.8 113.8#



#10
Methyl Iodide
Concen: 1.314 ug/l
RT: 4.175 min Scan# 440
Delta R.T. 0.017 min
Lab File: VD076930.D
Acq: 07 Aug 2023 14:47

Tgt Ion: 142 Resp: 236
Ion Ratio Lower Upper
142 100
127 25.8 29.4 44.0#
141 0.0 11.1 16.7#





#16

Acetone

Concen: 2.165 ug/l

RT: 4.034 min Scan# 41

Delta R.T. 0.017 min

Lab File: VD076930.D

Acq: 07 Aug 2023 14:47

Instrument :

MSVOA_D

ClientSampleId :

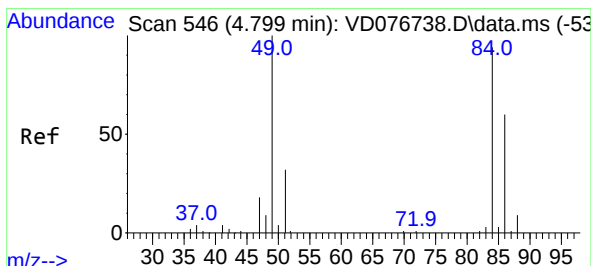
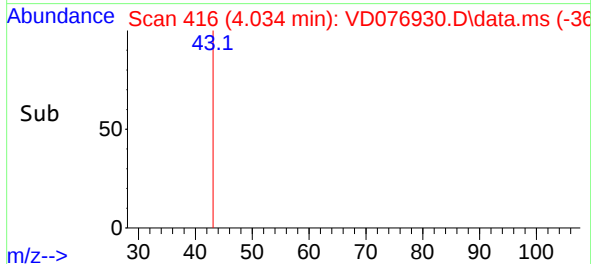
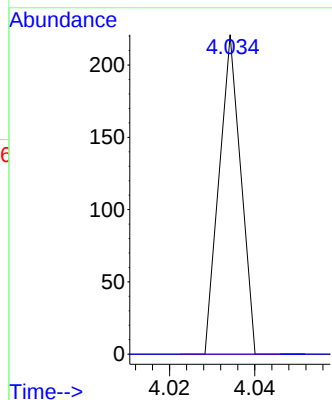
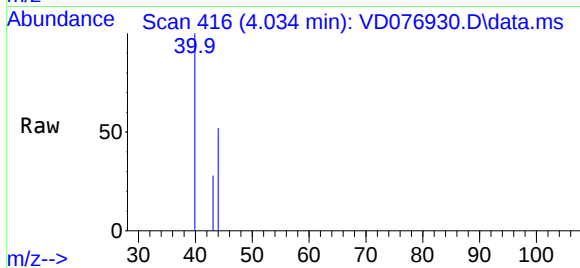
WC-1RE

Tgt Ion: 43 Resp: 78

Ion Ratio Lower Upper

43 100

58 0.0 34.7 52.1#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.781 min Scan# 543

Delta R.T. -0.018 min

Lab File: VD076930.D

Acq: 07 Aug 2023 14:47

Tgt Ion: 84 Resp: 429

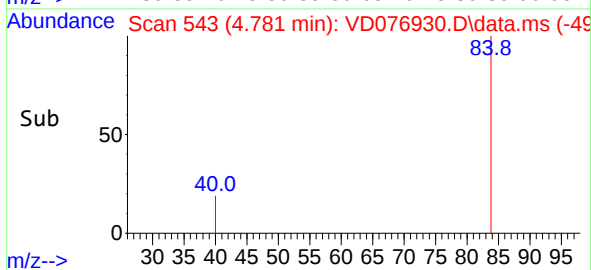
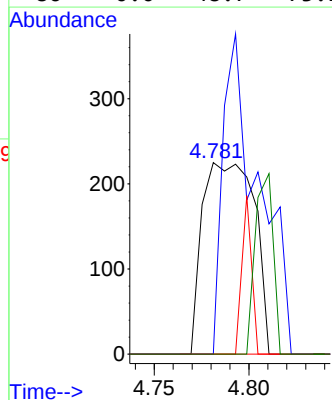
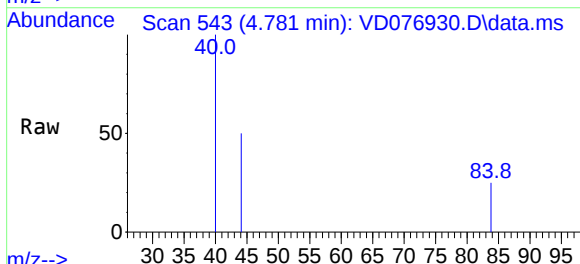
Ion Ratio Lower Upper

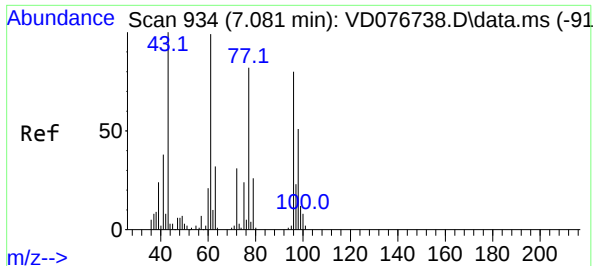
84 100

49 0.0 71.4 107.2#

51 0.0 24.5 36.7#

86 0.0 48.7 73.1#

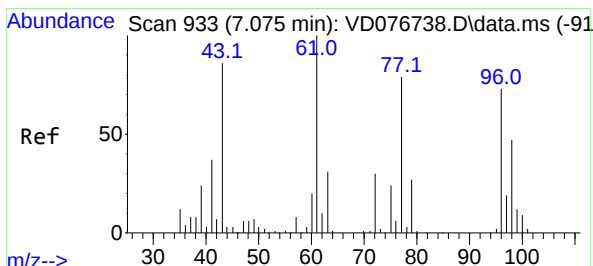
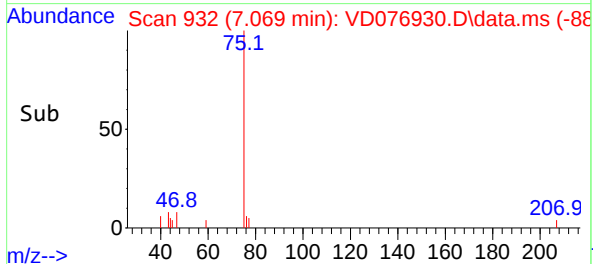
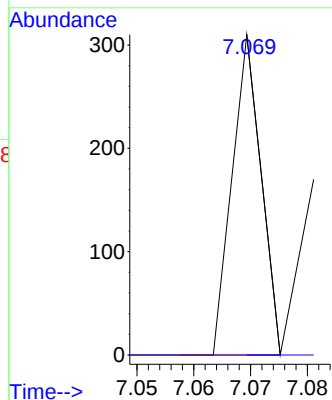
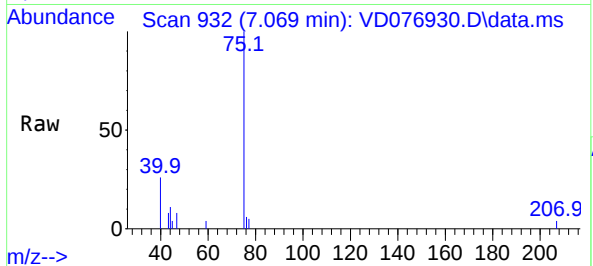




#25
2-Butanone
Concen: 2.260 ug/l
RT: 7.069 min Scan# 91
Delta R.T. -0.012 min
Lab File: VD076930.D
Acq: 07 Aug 2023 14:47

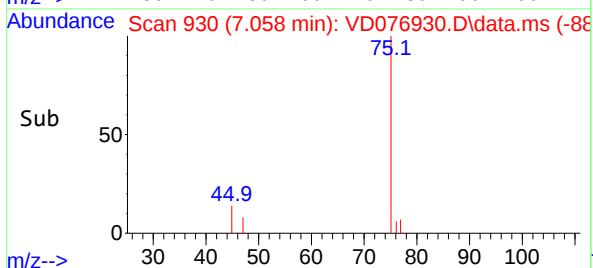
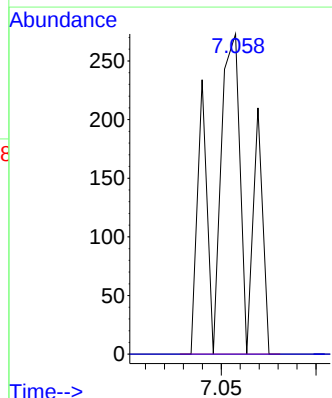
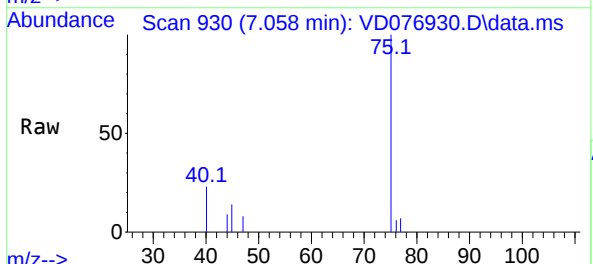
Instrument :
MSVOA_D
ClientSampleId :
WC-1RE

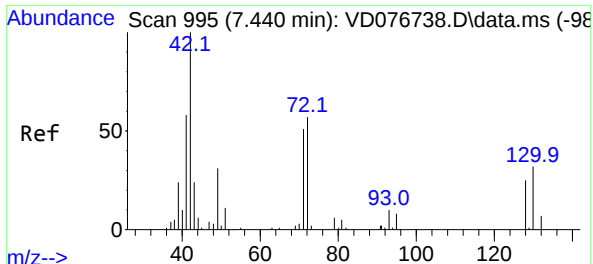
Tgt Ion: 43 Resp: 109
Ion Ratio Lower Upper
43 100
72 0.0 30.7 46.1#



#26
2,2-Dichloropropane
Concen: 1.253 ug/l
RT: 7.058 min Scan# 930
Delta R.T. -0.017 min
Lab File: VD076930.D
Acq: 07 Aug 2023 14:47

Tgt Ion: 77 Resp: 339
Ion Ratio Lower Upper
77 100
97 0.0 13.2 39.6#

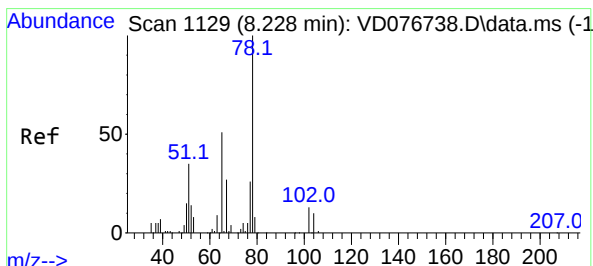
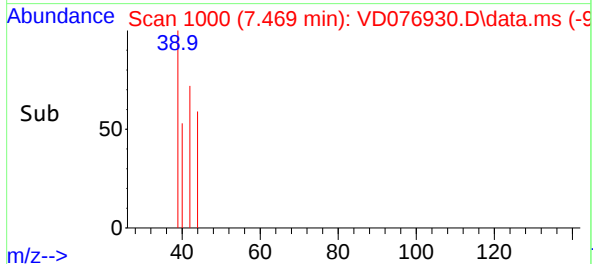
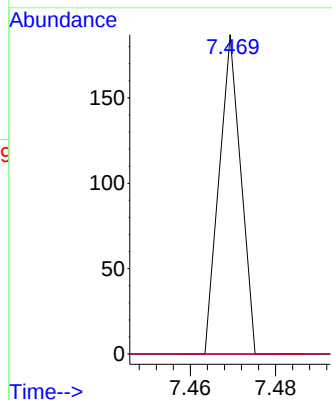
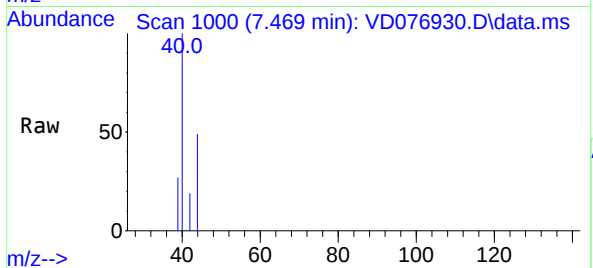




#29
Tetrahydrofuran
Concen: 2.317 ug/l
RT: 7.469 min Scan# 110
Delta R.T. 0.029 min
Lab File: VD076930.D
Acq: 07 Aug 2023 14:47

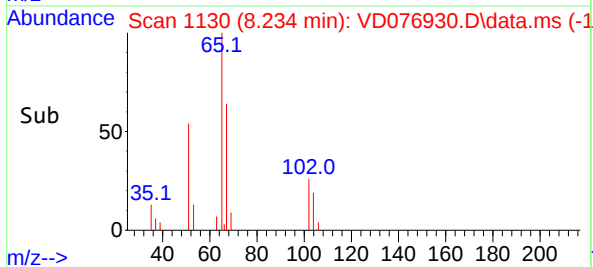
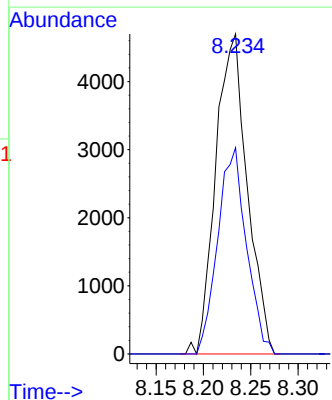
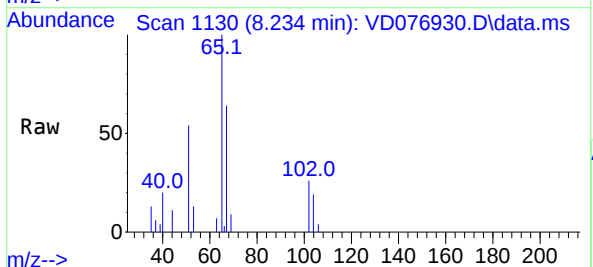
Instrument :
MSVOA_D
ClientSampleId :
WC-1RE

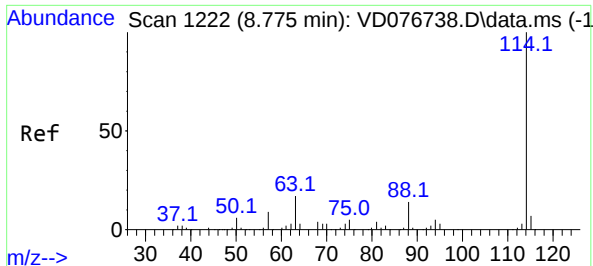
Tgt Ion: 42 Resp: 66
Ion Ratio Lower Upper
42 100
72 0.0 46.5 69.7#
71 0.0 44.5 66.7#



#33
1,2-Dichloroethane-d4
Concen: 72.142 ug/l
RT: 8.234 min Scan# 1130
Delta R.T. 0.006 min
Lab File: VD076930.D
Acq: 07 Aug 2023 14:47

Tgt Ion: 65 Resp: 10884
Ion Ratio Lower Upper
65 100
67 58.7 0.0 115.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 11

Delta R.T. 0.006 min

Lab File: VD076930.D

Acq: 07 Aug 2023 14:47

Instrument :

MSVOA_D

ClientSampleId :

WC-1RE

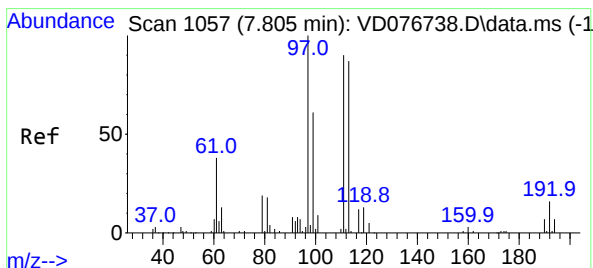
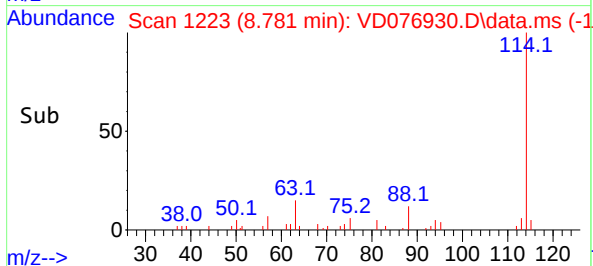
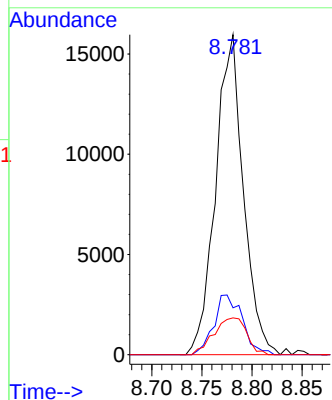
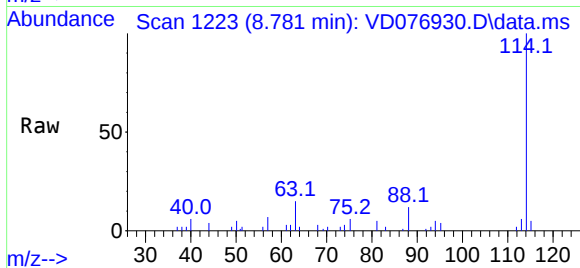
Tgt Ion:114 Resp: 30730

Ion Ratio Lower Upper

114 100

63 14.7 0.0 33.4

88 11.5 0.0 26.2



#35

Dibromofluoromethane

Concen: 61.784 ug/l

RT: 7.810 min Scan# 1058

Delta R.T. 0.005 min

Lab File: VD076930.D

Acq: 07 Aug 2023 14:47

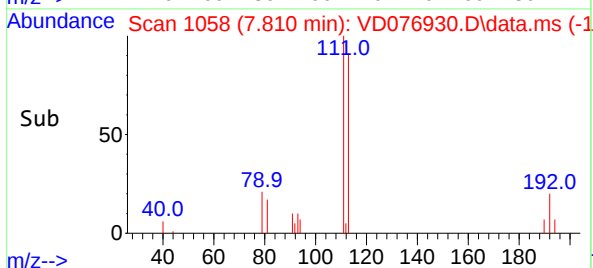
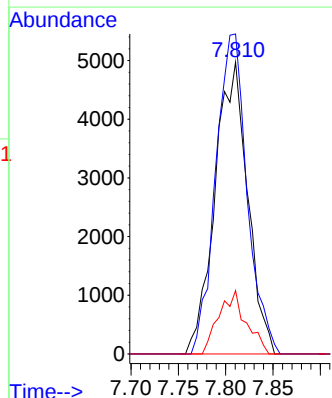
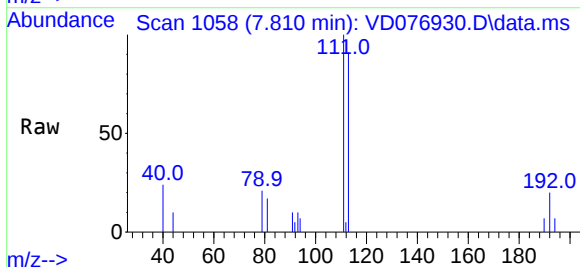
Tgt Ion:113 Resp: 11931

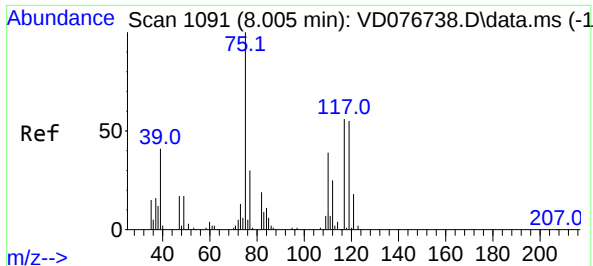
Ion Ratio Lower Upper

113 100

111 105.5 84.7 127.1

192 18.1 16.8 25.2





#36

1,1-Dichloropropene

Concen: 5.342 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.130 min

Lab File: VD076930.D

Acq: 07 Aug 2023 14:47

Instrument :

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WC-1RE

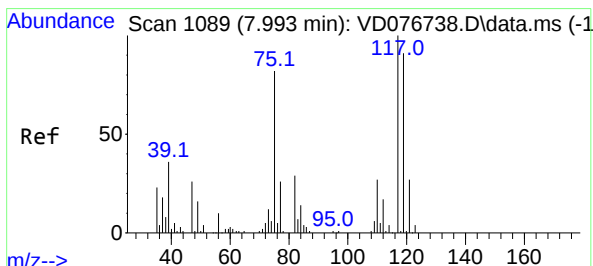
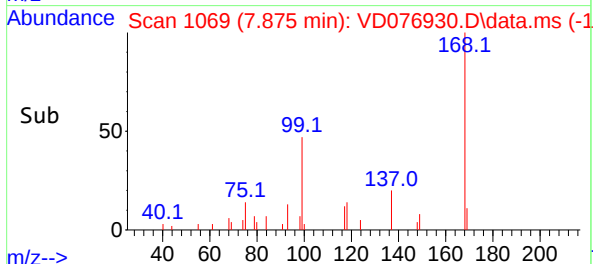
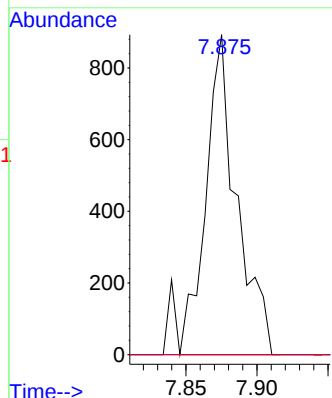
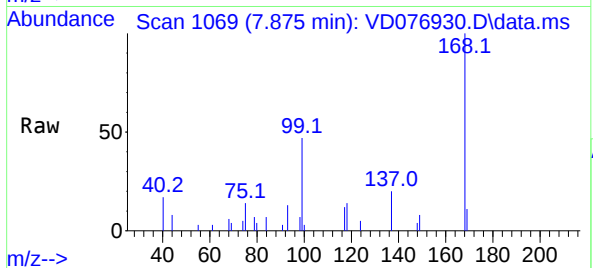
Tgt Ion: 75 Resp: 1348

Ion Ratio Lower Upper

75 100

110 0.0 19.9 59.6#

77 0.0 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 7.263 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.118 min

Lab File: VD076930.D

Acq: 07 Aug 2023 14:47

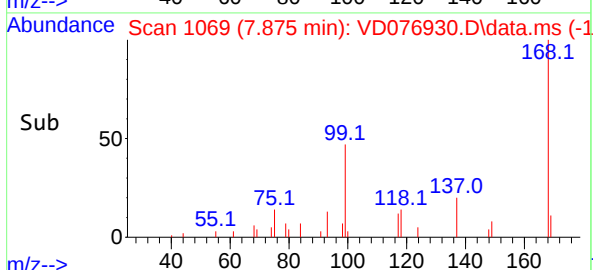
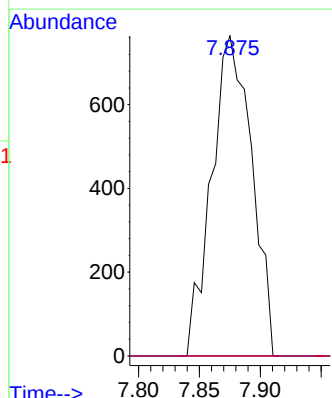
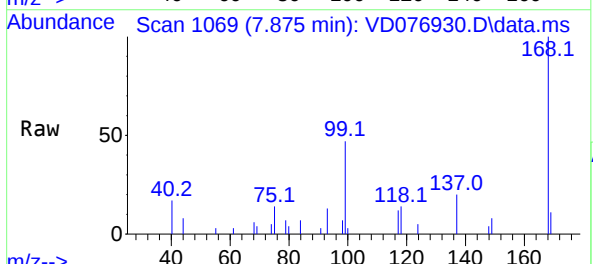
Tgt Ion: 117 Resp: 1755

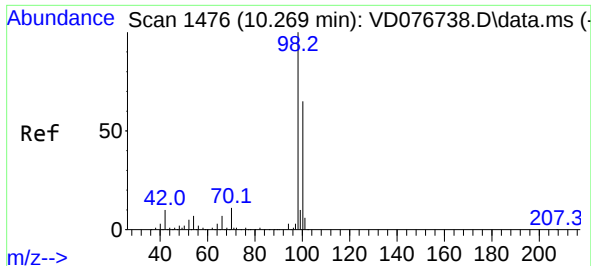
Ion Ratio Lower Upper

117 100

119 0.0 78.0 117.0#

121 0.0 24.2 36.2#

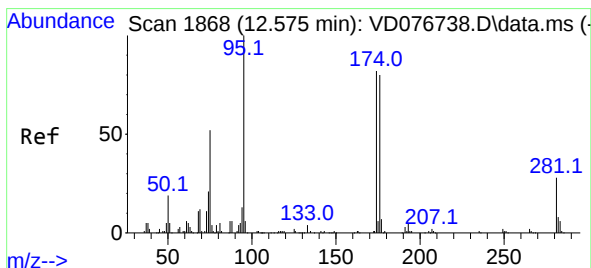
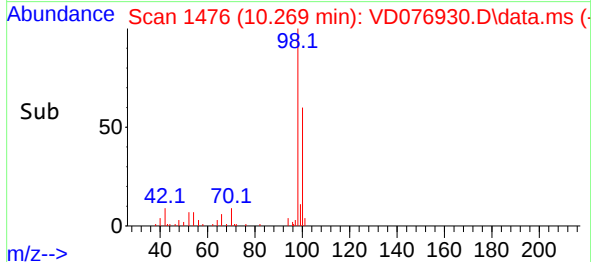
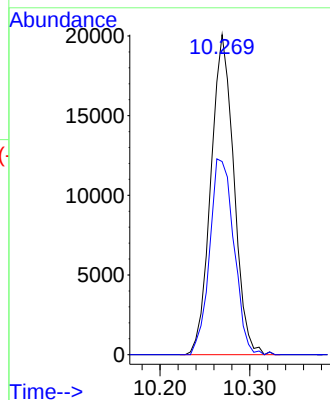
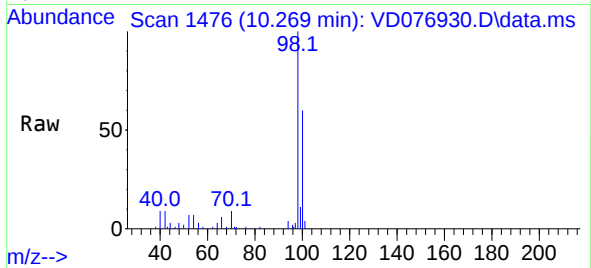




#50
Toluene-d8
Concen: 51.716 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD076930.D
Acq: 07 Aug 2023 14:47

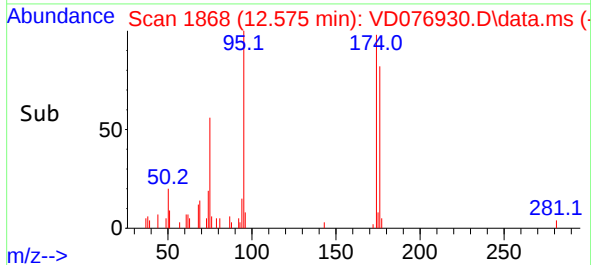
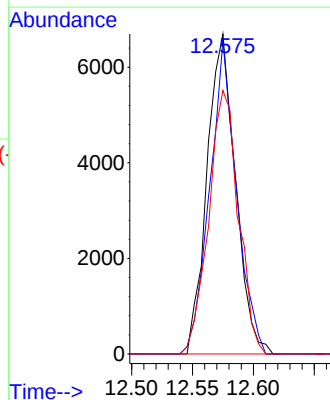
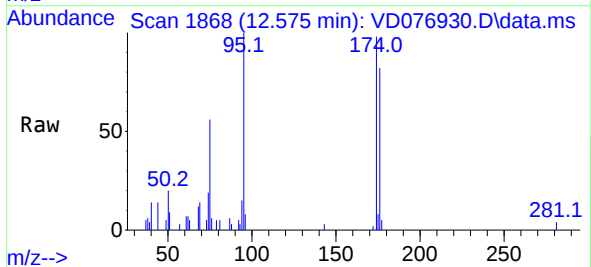
Instrument :
MSVOA_D
ClientSampleId :
WC-1RE

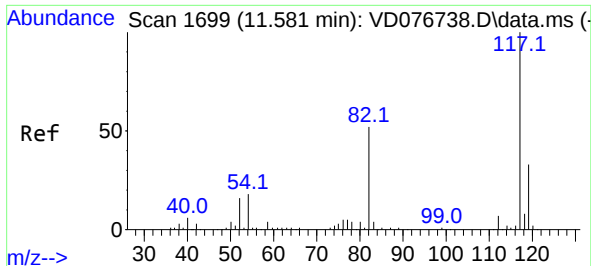
Tgt Ion: 98 Resp: 35727
Ion Ratio Lower Upper
98 100
100 64.9 50.3 75.5



#62
4-Bromofluorobenzene
Concen: 48.702 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD076930.D
Acq: 07 Aug 2023 14:47

Tgt Ion: 95 Resp: 10884
Ion Ratio Lower Upper
95 100
174 92.3 0.0 201.8
176 85.7 0.0 191.8

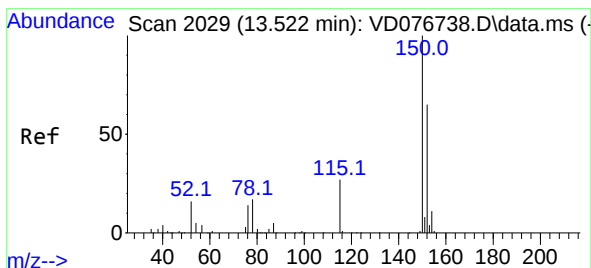
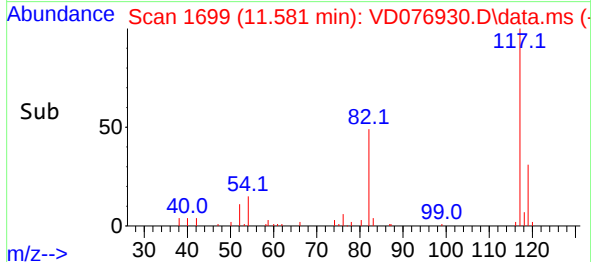
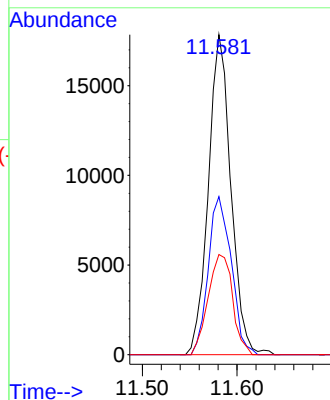
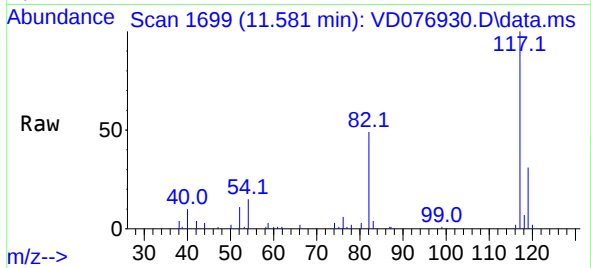




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD076930.D
Acq: 07 Aug 2023 14:47

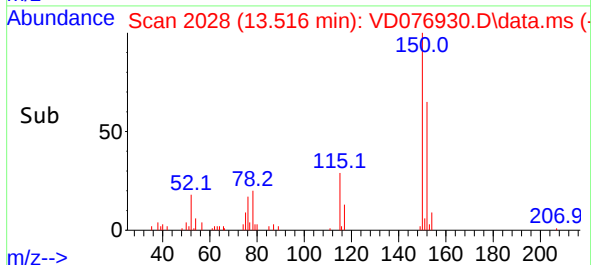
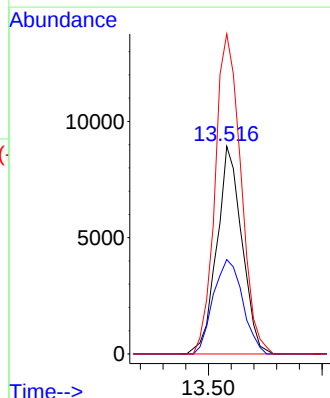
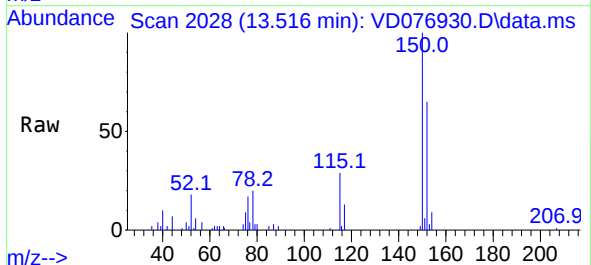
Instrument :
MSVOA_D
ClientSampleId :
WC-1RE

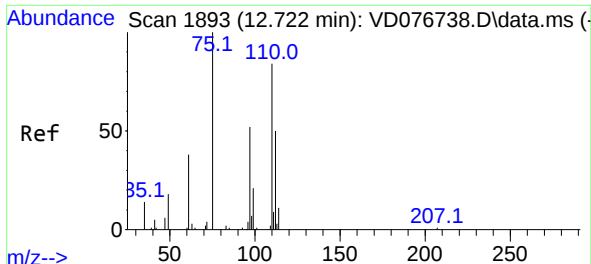
Tgt Ion:117	Resp:	29527
Ion	Ratio	Lower Upper
117	100	
82	49.4	38.3 57.5
119	31.3	25.0 37.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. -0.006 min
Lab File: VD076930.D
Acq: 07 Aug 2023 14:47

Tgt Ion:152	Resp:	13672
Ion	Ratio	Lower Upper
152	100	
115	53.2	27.1 81.3
150	158.5	0.0 353.6

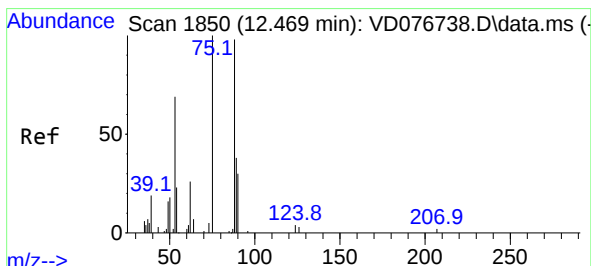
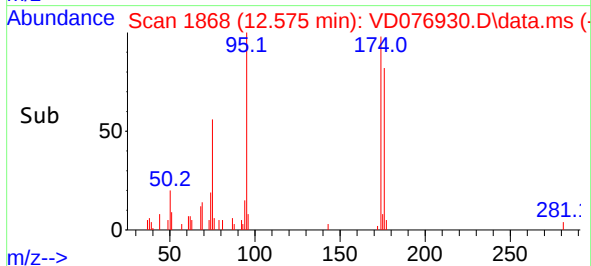
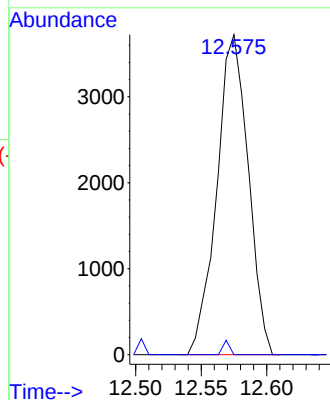
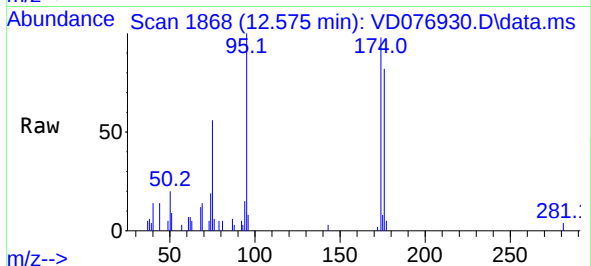




#76
1,2,3-Trichloropropane
Concen: 47.831 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.147 min
Lab File: VD076930.D
Acq: 07 Aug 2023 14:47

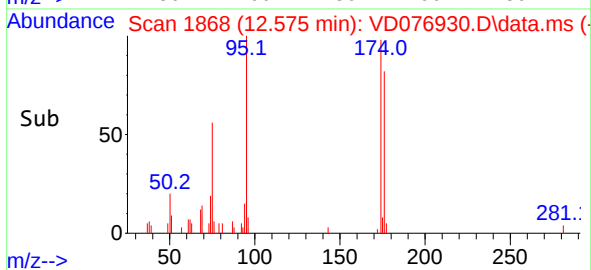
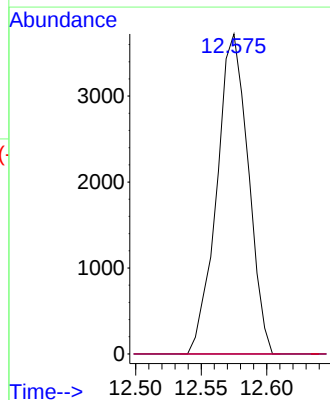
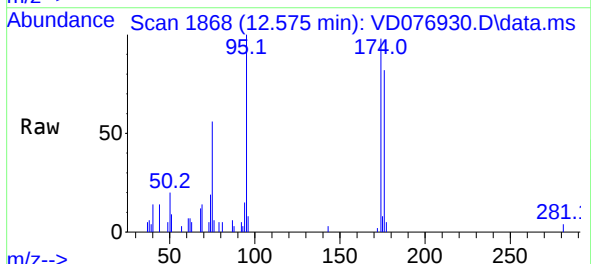
Instrument :
MSVOA_D
ClientSampleId :
WC-1RE

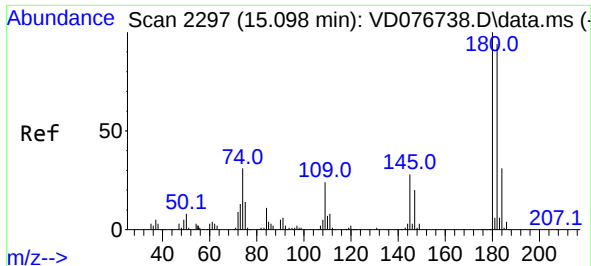
Tgt Ion: 75 Resp: 6219
Ion Ratio Lower Upper
75 100
77 0.9 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 101.798 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD076930.D
Acq: 07 Aug 2023 14:47

Tgt Ion: 75 Resp: 6219
Ion Ratio Lower Upper
75 100
53 0.0 63.0 94.4#
89 0.0 37.9 56.9#

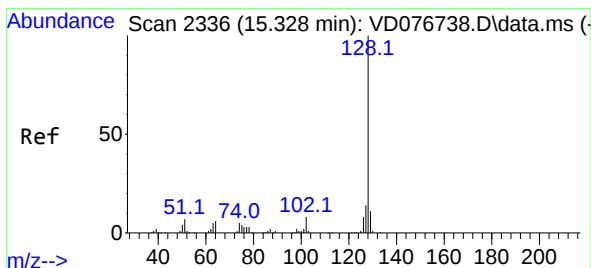
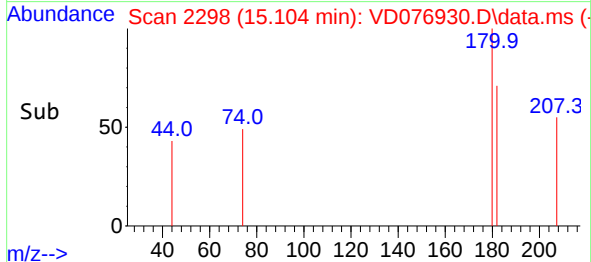
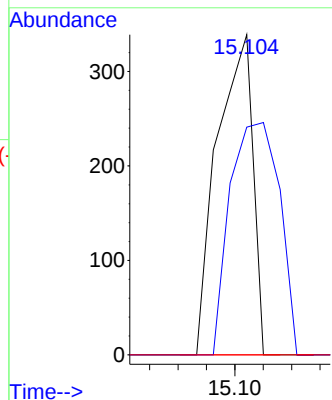
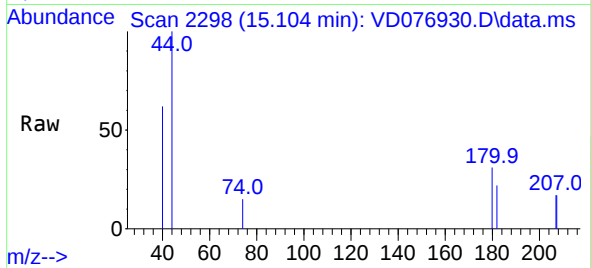




#93
1,2,4-Trichlorobenzene
Concen: 1.164 ug/l
RT: 15.104 min Scan# 21
Delta R.T. 0.006 min
Lab File: VD076930.D
Acq: 07 Aug 2023 14:47

Instrument :
MSVOA_D
ClientSampleId :
WC-1RE

Tgt Ion:180 Resp: 295
Ion Ratio Lower Upper
180 100
182 101.0 48.5 145.6
145 0.0 14.2 42.6#



#95
Naphthalene
Concen: 1.963 ug/l
RT: 15.334 min Scan# 2337
Delta R.T. 0.006 min
Lab File: VD076930.D
Acq: 07 Aug 2023 14:47

Tgt Ion:128 Resp: 1077
Ion Ratio Lower Upper
128 100
127 0.0 10.5 15.7#
129 0.0 8.7 13.1#

