

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD072723\
 Data File : VD076831.D
 Acq On : 27 Jul 2023 13:47
 Operator : KP/SY
 Sample : 03769-14
 Misc : 5.07G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jul 27 14:48:52 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)

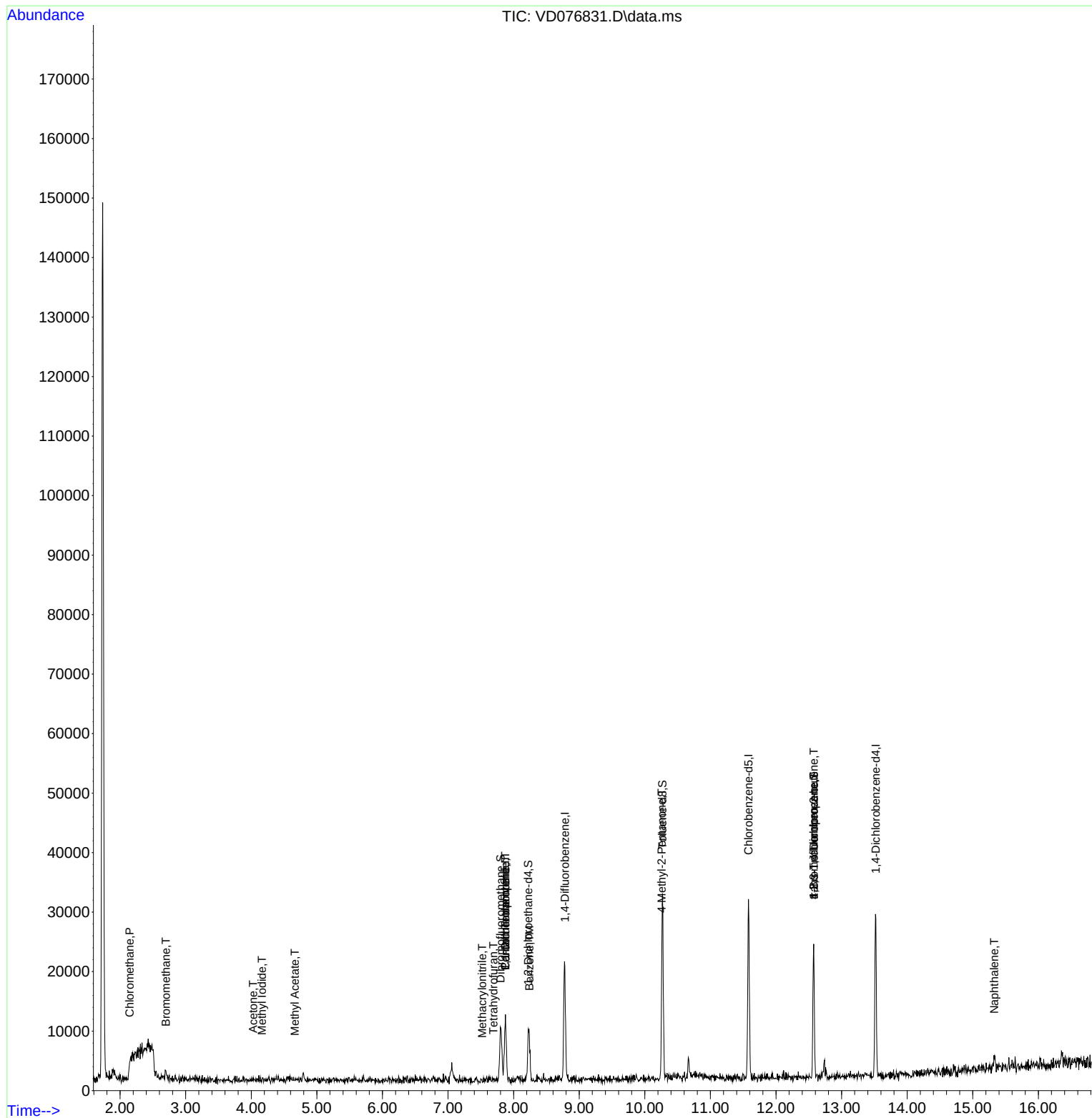
Internal Standards						
1) Pentafluorobenzene	7.875	168	8262	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.781	114	17948	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	17759	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	7916	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.222	65	6938	84.309	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 168.620%#			
35) Dibromofluoromethane	7.799	113	6579	58.331	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 116.660%			
50) Toluene-d8	10.269	98	21597	53.527	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 107.060%			
62) 4-Bromofluorobenzene	12.575	95	6505	49.837	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 99.680%			
Target Compounds						Qvalue
3) Chloromethane	2.146	50	295	2.647	ug/l #	41
5) Bromomethane	2.699	94	883	7.224	ug/l #	72
10) Methyl Iodide	4.164	142	158	1.613	ug/l #	46
16) Acetone	4.028	43	83	4.223	ug/l #	32
18) Methyl Acetate	4.664	43	82	1.111	ug/l #	42
20) Methylene Chloride	4.799	84	348	Below Cal	#	42
29) Tetrahydrofuran	7.693	42	57	3.668	ug/l #	23
36) 1,1-Dichloropropene	7.875	75	508	3.447	ug/l #	39
38) Carbon Tetrachloride	7.875	117	1151	8.156	ug/l #	11
40) Benzene	8.240	78	492	1.058	ug/l #	51
41) Methacrylonitrile	7.522	41	70	1.739	ug/l #	17
51) 4-Methyl-2-Pentanone	10.257	43	186	2.716	ug/l #	28
76) 1,2,3-Trichloropropane	12.575	75	3859	51.262	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	3859	109.098	ug/l #	17
95) Naphthalene	15.328	128	3565	11.225	ug/l #	74

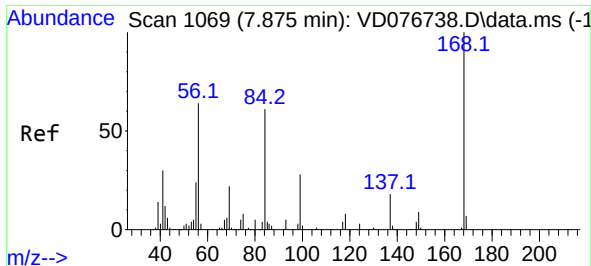
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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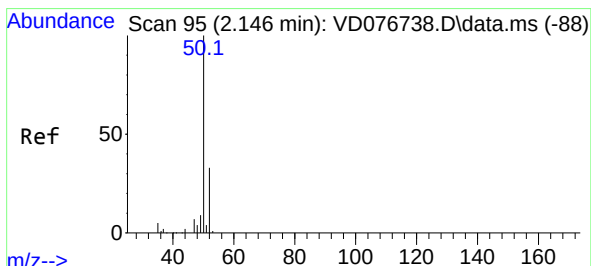
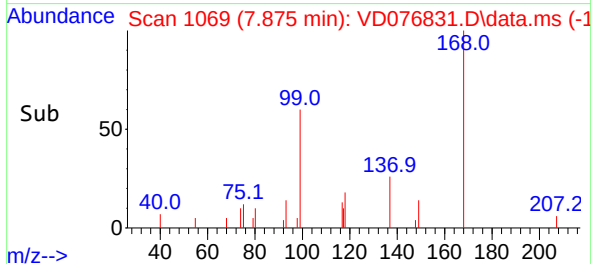
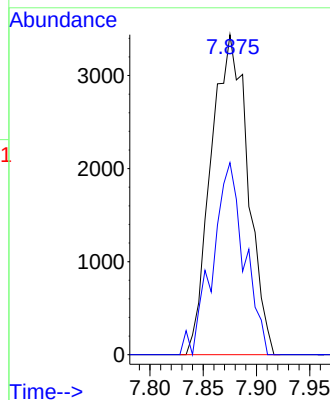
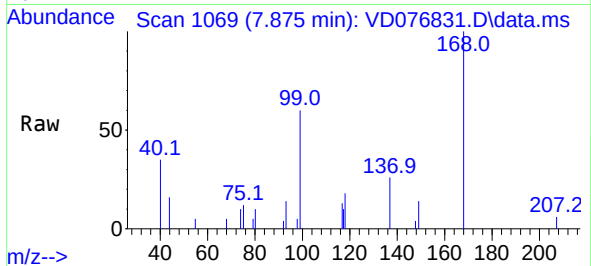




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 10
Delta R.T. 0.000 min
Lab File: VD076831.D
Acq: 27 Jul 2023 13:47

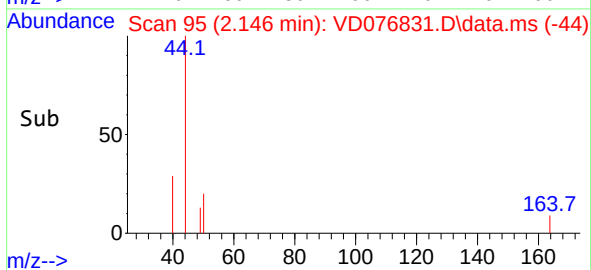
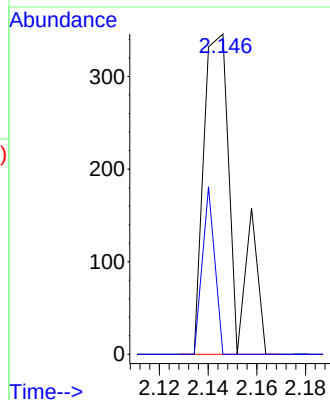
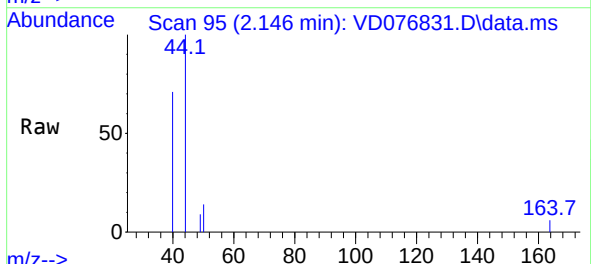
Instrument :
MSVOA_D
ClientSampleId :

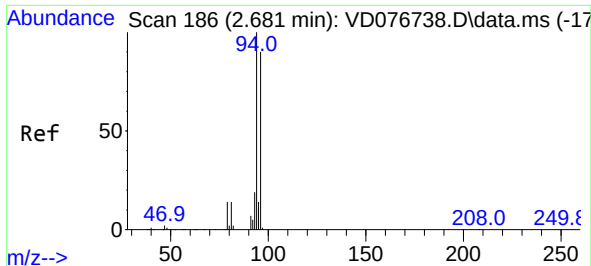
Tgt Ion:168 Resp: 8262
Ion Ratio Lower Upper
168 100
99 60.0 36.7 55.1#



#3
Chloromethane
Concen: 2.647 ug/l
RT: 2.146 min Scan# 95
Delta R.T. 0.000 min
Lab File: VD076831.D
Acq: 27 Jul 2023 13:47

Tgt Ion: 50 Resp: 295
Ion Ratio Lower Upper
50 100
52 0.0 26.6 40.0#

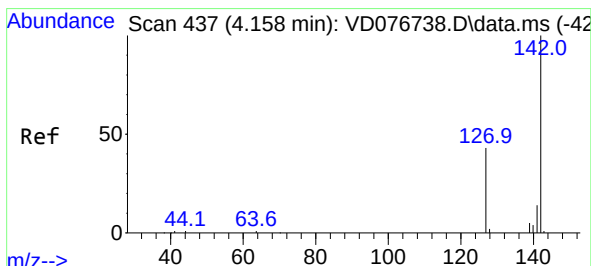
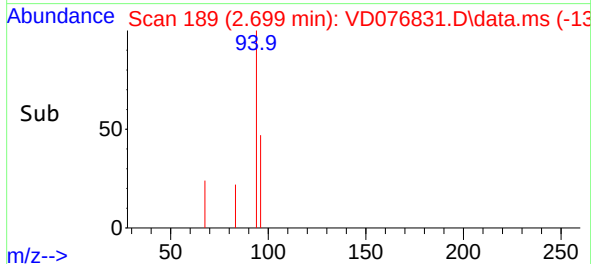
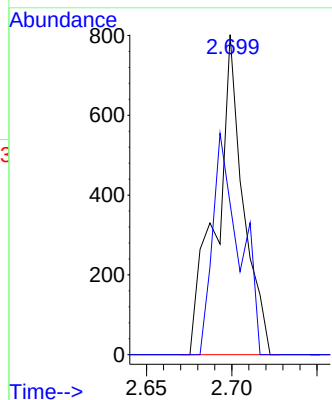
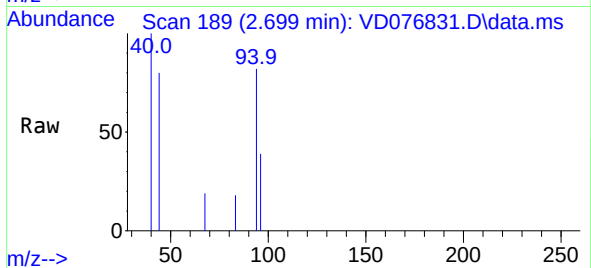




#5
Bromomethane
Concen: 7.224 ug/l
RT: 2.699 min Scan# 11
Delta R.T. 0.018 min
Lab File: VD076831.D
Acq: 27 Jul 2023 13:47

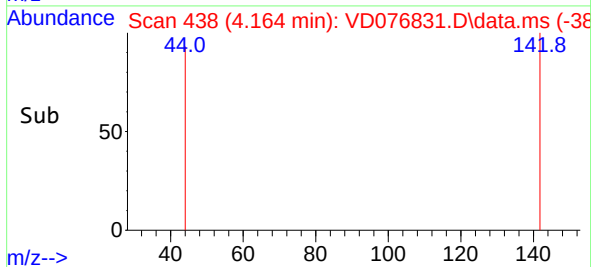
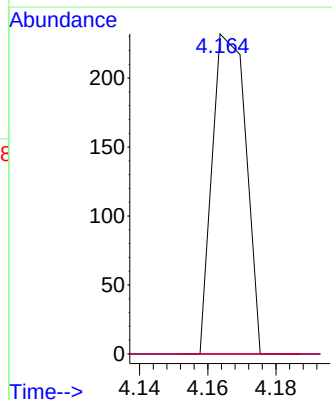
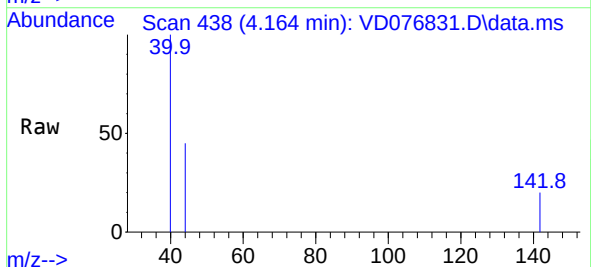
Instrument :
MSVOA_D
ClientSampleId :

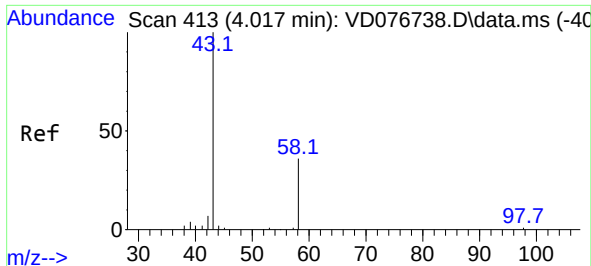
Tgt Ion: 94 Resp: 883
Ion Ratio Lower Upper
94 100
96 67.6 75.8 113.8#



#10
Methyl Iodide
Concen: 1.613 ug/l
RT: 4.164 min Scan# 438
Delta R.T. 0.006 min
Lab File: VD076831.D
Acq: 27 Jul 2023 13:47

Tgt Ion:142 Resp: 158
Ion Ratio Lower Upper
142 100
127 0.0 29.4 44.0#
141 0.0 11.1 16.7#

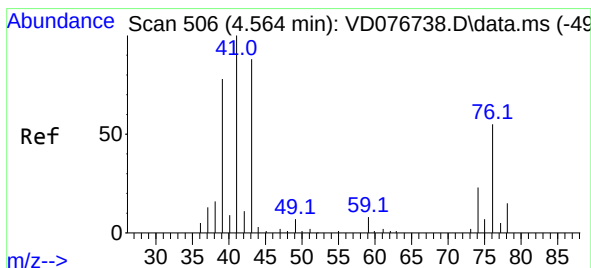
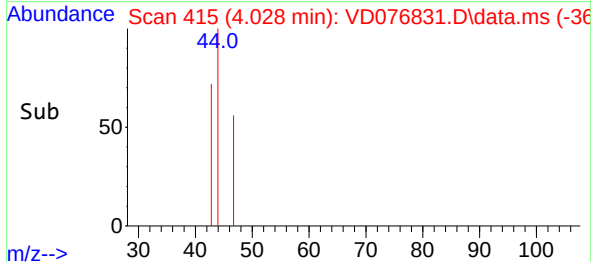
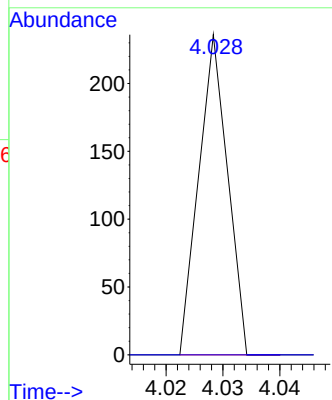
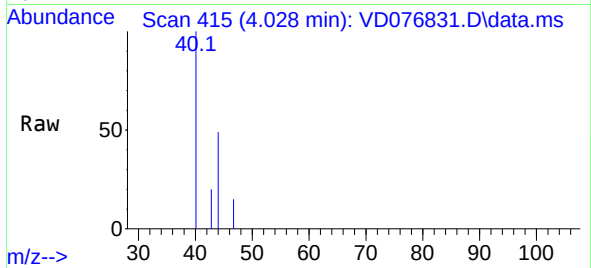




#16
Acetone
Concen: 4.223 ug/l
RT: 4.028 min Scan# 41
Delta R.T. 0.011 min
Lab File: VD076831.D
Acq: 27 Jul 2023 13:47

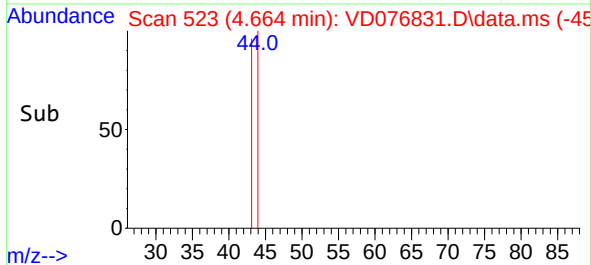
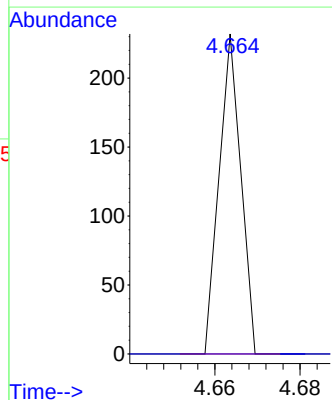
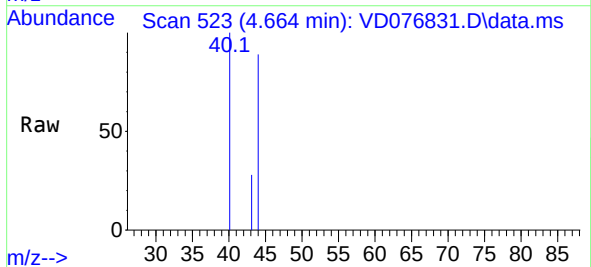
Instrument :
MSVOA_D
ClientSampleId :

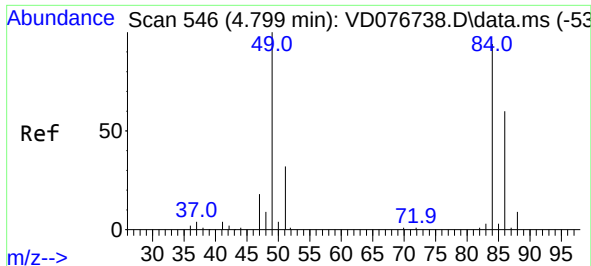
Tgt Ion: 43 Resp: 83
Ion Ratio Lower Upper
43 100
58 0.0 34.7 52.1#



#18
Methyl Acetate
Concen: 1.111 ug/l
RT: 4.664 min Scan# 523
Delta R.T. 0.100 min
Lab File: VD076831.D
Acq: 27 Jul 2023 13:47

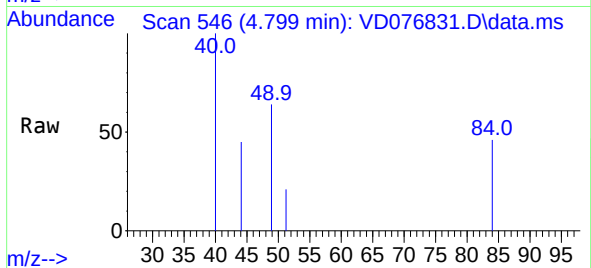
Tgt Ion: 43 Resp: 82
Ion Ratio Lower Upper
43 100
74 0.0 26.4 39.6#





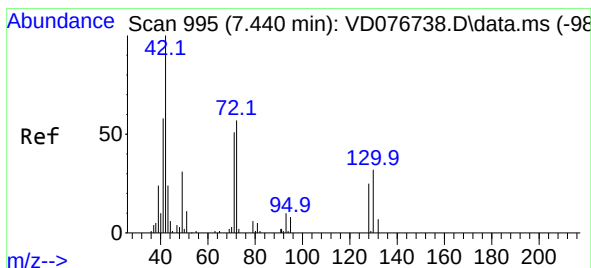
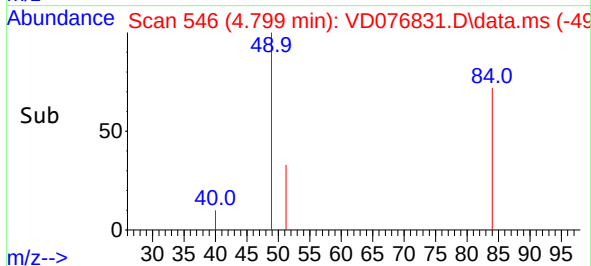
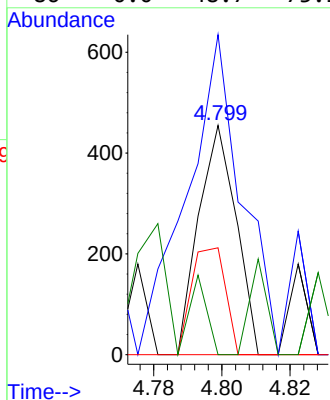
#20
Methylene Chloride
Concen: Below Cal
RT: 4.799 min Scan# 54
Delta R.T. -0.000 min
Lab File: VD076831.D
Acq: 27 Jul 2023 13:47

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion: 84 Resp: 348

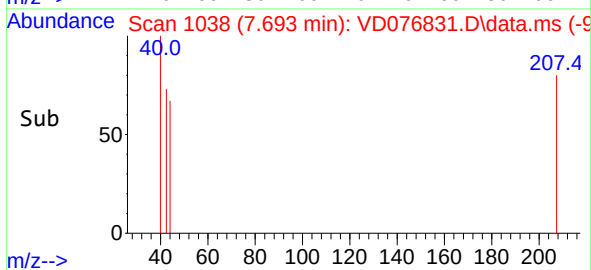
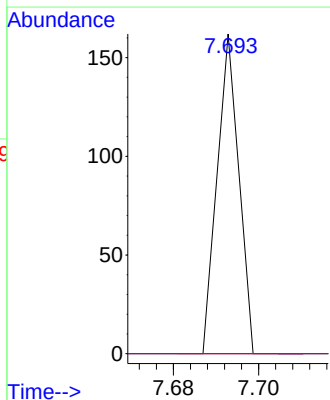
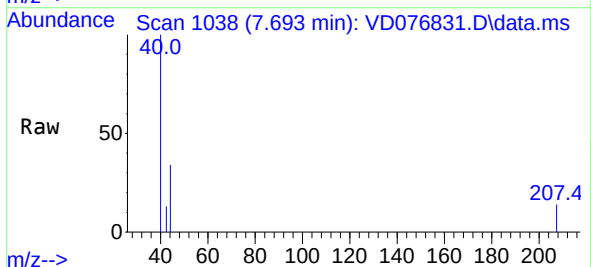
Ion	Ratio	Lower	Upper
84	100		
49	139.6	71.4	107.2#
51	46.6	24.5	36.7#
86	0.0	48.7	73.1#

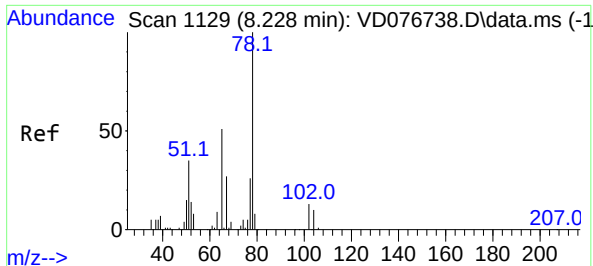


#29
Tetrahydrofuran
Concen: 3.668 ug/l
RT: 7.693 min Scan# 1038
Delta R.T. 0.253 min
Lab File: VD076831.D
Acq: 27 Jul 2023 13:47

Tgt Ion: 42 Resp: 57

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: 84.309 ug/l

RT: 8.222 min Scan# 1129

Delta R.T. -0.006 min

Lab File: VD076831.D

Acq: 27 Jul 2023 13:47

Instrument :

MSVOA_D

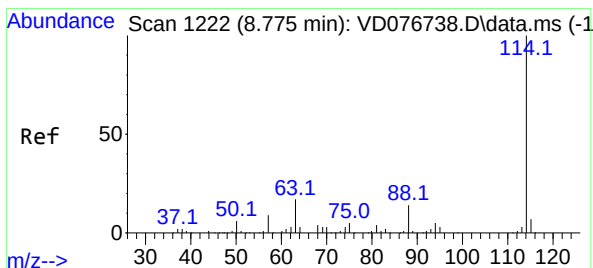
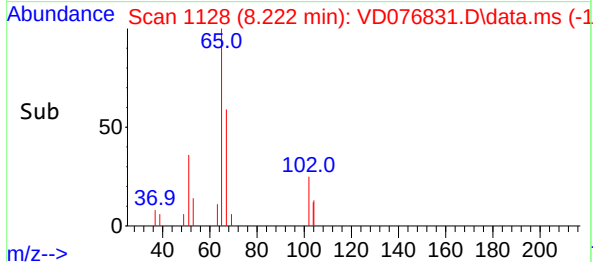
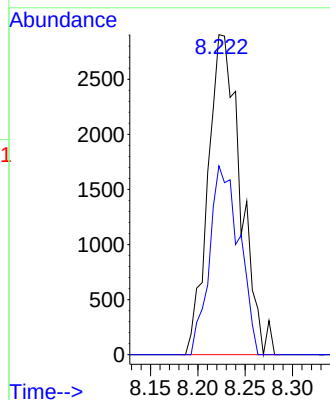
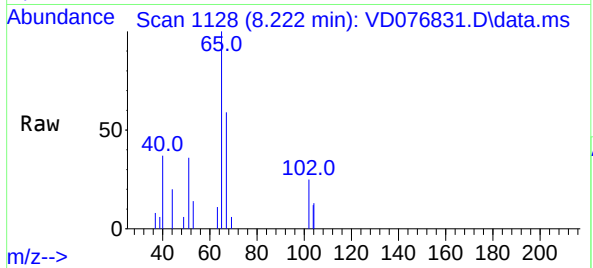
ClientSampleId :

Tgt Ion: 65 Resp: 6938

Ion Ratio Lower Upper

65 100

67 54.0 0.0 115.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 1223

Delta R.T. 0.006 min

Lab File: VD076831.D

Acq: 27 Jul 2023 13:47

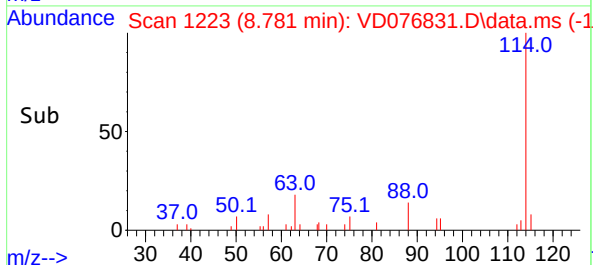
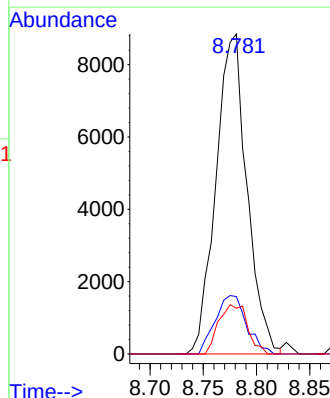
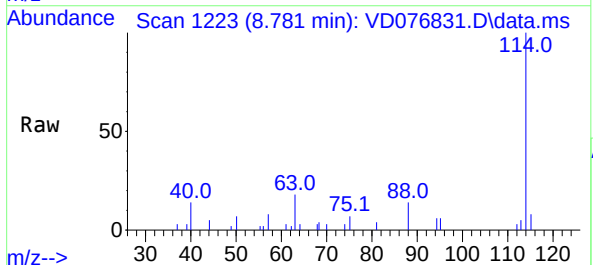
Tgt Ion: 114 Resp: 17948

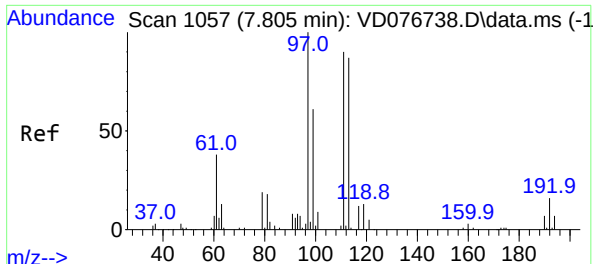
Ion Ratio Lower Upper

114 100

63 18.0 0.0 33.4

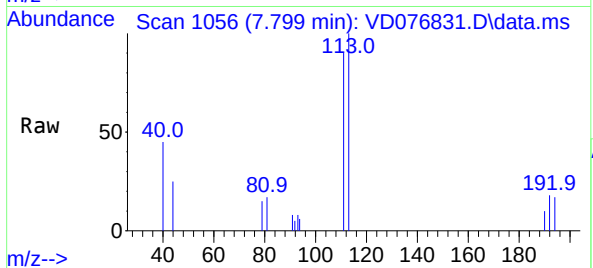
88 14.3 0.0 26.2



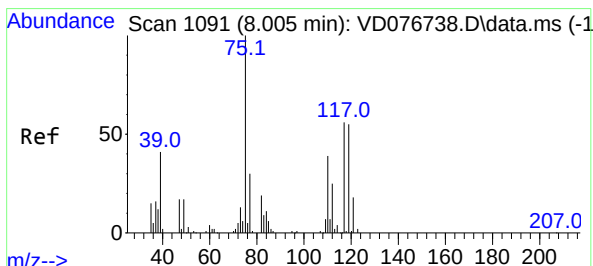
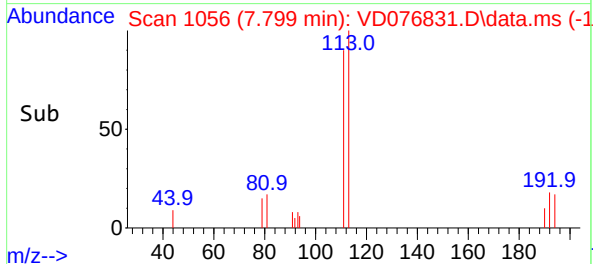
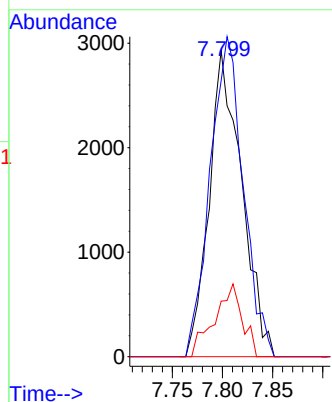


#35
Dibromofluoromethane
Concen: 58.331 ug/l
RT: 7.799 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VD076831.D
Acq: 27 Jul 2023 13:47

Instrument :
MSVOA_D
ClientSampleId :

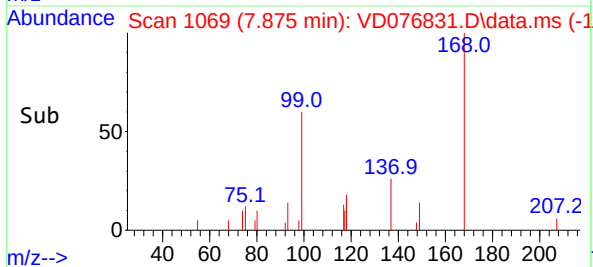
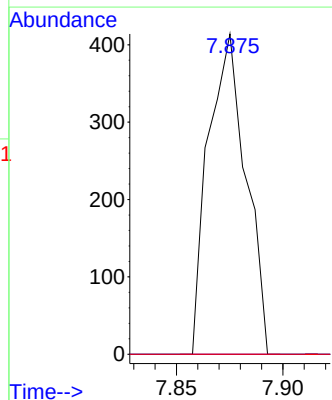
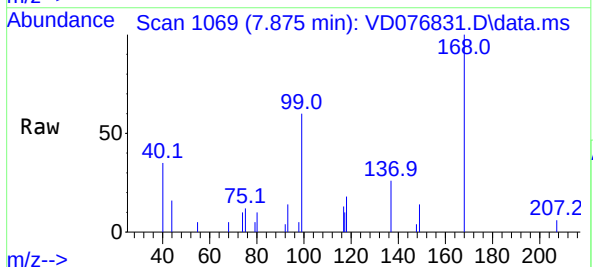


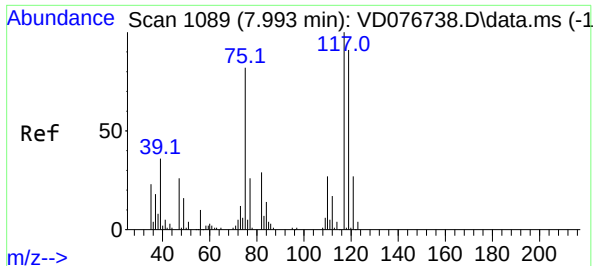
Tgt Ion:113 Resp: 6579
Ion Ratio Lower Upper
113 100
111 107.0 84.7 127.1
192 20.4 16.8 25.2



#36
1,1-Dichloropropene
Concen: 3.447 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.130 min
Lab File: VD076831.D
Acq: 27 Jul 2023 13:47

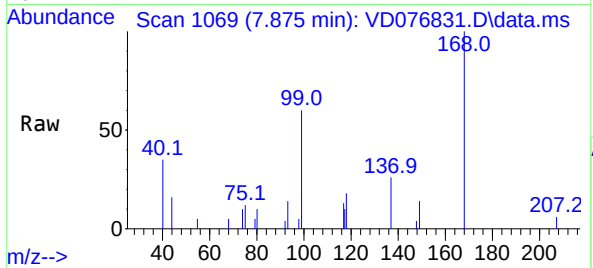
Tgt Ion: 75 Resp: 508
Ion Ratio Lower Upper
75 100
110 0.0 19.9 59.6#
77 0.0 24.7 37.1#



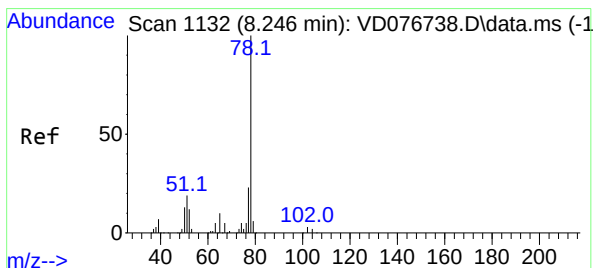
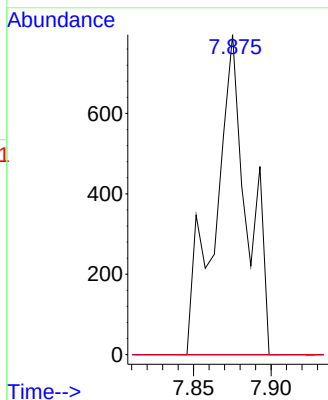
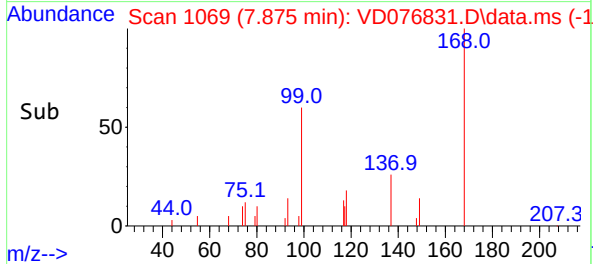


#38
Carbon Tetrachloride
Concen: 8.156 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.118 min
Lab File: VD076831.D
Acq: 27 Jul 2023 13:47

Instrument :
MSVOA_D
ClientSampleId :

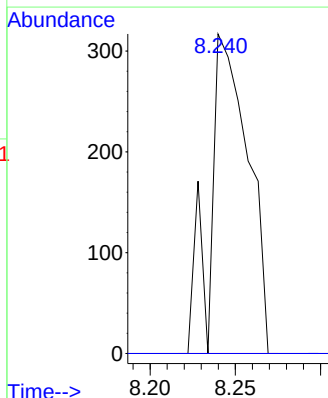
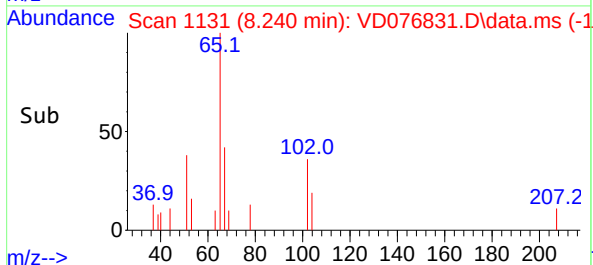
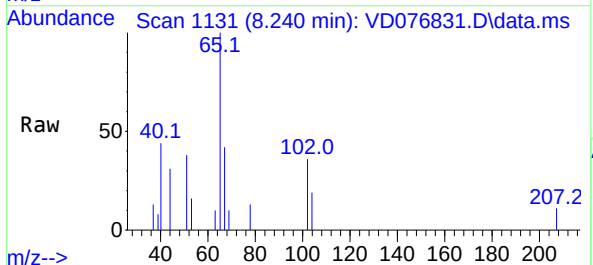


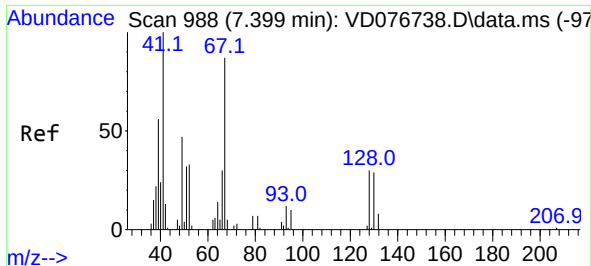
Tgt Ion:117 Resp: 1151
Ion Ratio Lower Upper
117 100
119 0.0 78.0 117.0#
121 0.0 24.2 36.2#



#40
Benzene
Concen: 1.058 ug/l
RT: 8.240 min Scan# 1131
Delta R.T. -0.006 min
Lab File: VD076831.D
Acq: 27 Jul 2023 13:47

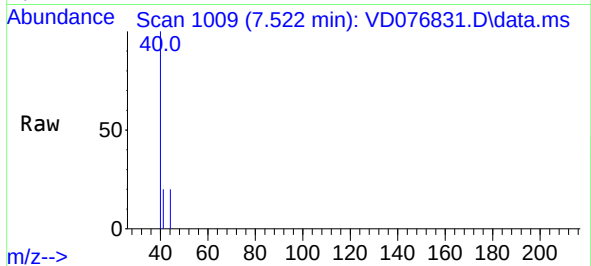
Tgt Ion: 78 Resp: 492
Ion Ratio Lower Upper
78 100
77 0.0 19.4 29.0#



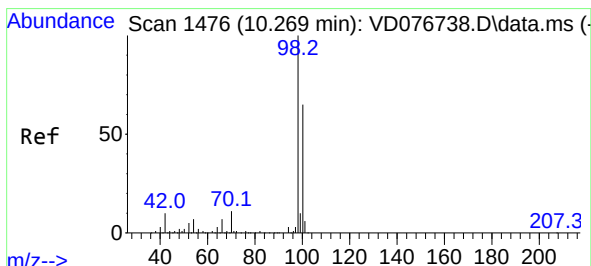
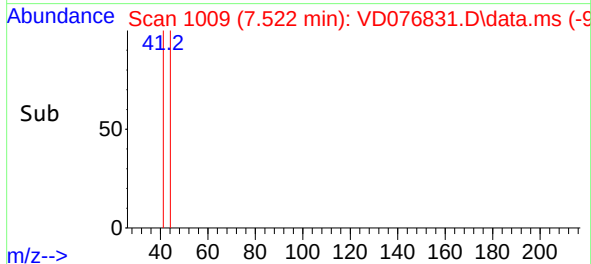
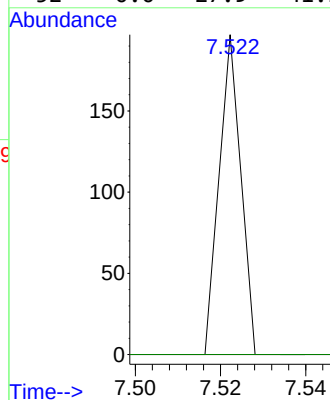


#41
Methacrylonitrile
Concen: 1.739 ug/l
RT: 7.522 min Scan# 10
Delta R.T. 0.123 min
Lab File: VD076831.D
Acq: 27 Jul 2023 13:47

Instrument :
MSVOA_D
ClientSampleId :

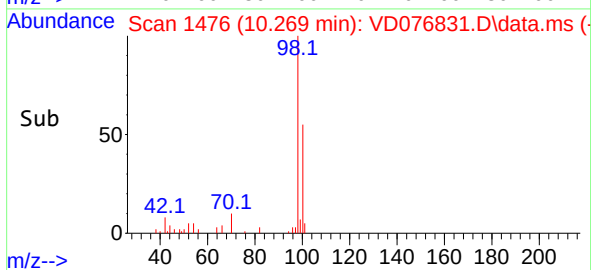
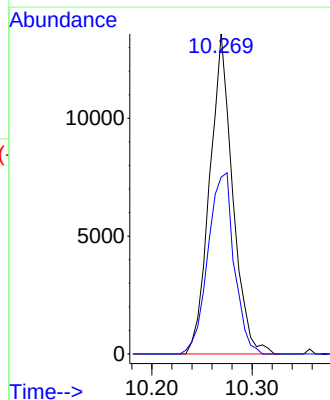
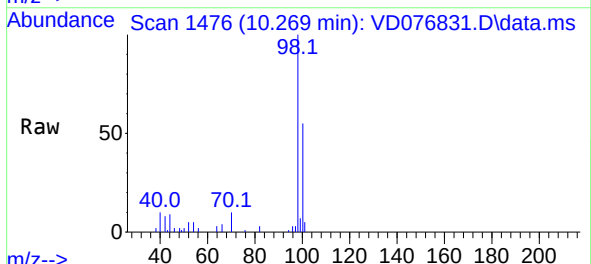


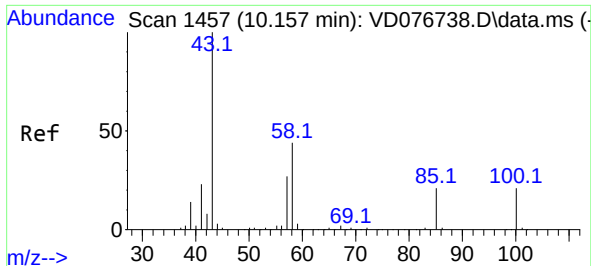
Tgt Ion: 41	Resp: 70
Ion Ratio	Lower Upper
41	100
39	0.0 34.0 51.0#
67	0.0 77.0 115.4#
52	0.0 27.9 41.9#



#50
Toluene-d8
Concen: 53.527 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD076831.D
Acq: 27 Jul 2023 13:47

Tgt Ion: 98	Resp: 21597
Ion Ratio	Lower Upper
98	100
100	64.6 50.3 75.5





#51

4-Methyl-2-Pentanone

Concen: 2.716 ug/l

RT: 10.257 min Scan# 1457

Delta R.T. 0.100 min

Lab File: VD076831.D

Acq: 27 Jul 2023 13:47

Instrument :

MSVOA_D

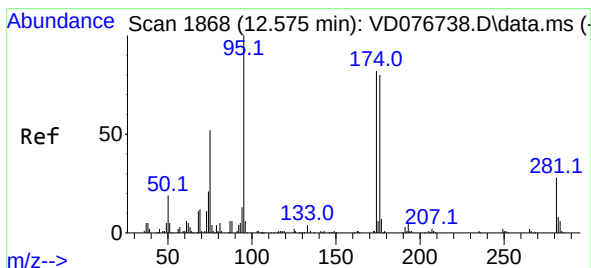
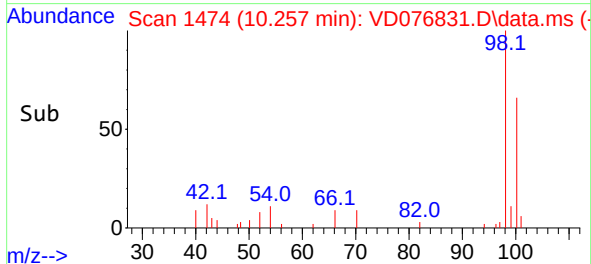
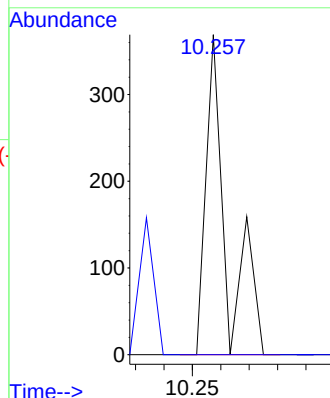
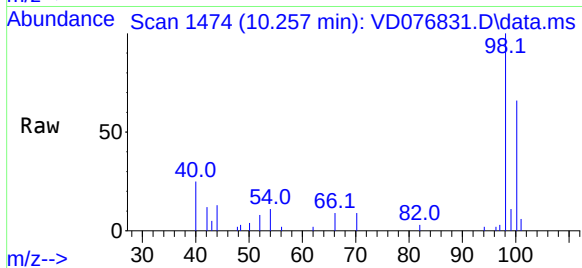
ClientSampleId :

Tgt Ion: 43 Resp: 186

Ion Ratio Lower Upper

43 100

58 0.0 38.9 58.3#



#62

4-Bromofluorobenzene

Concen: 49.837 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. -0.000 min

Lab File: VD076831.D

Acq: 27 Jul 2023 13:47

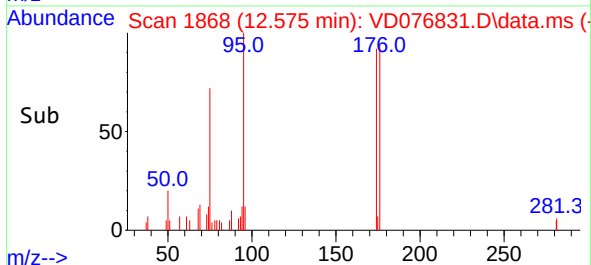
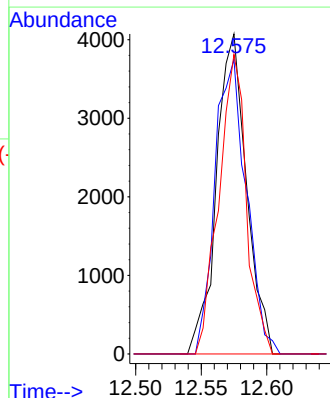
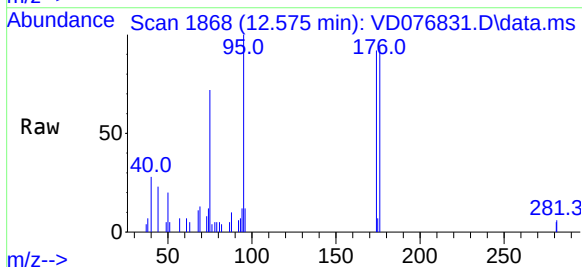
Tgt Ion: 95 Resp: 6505

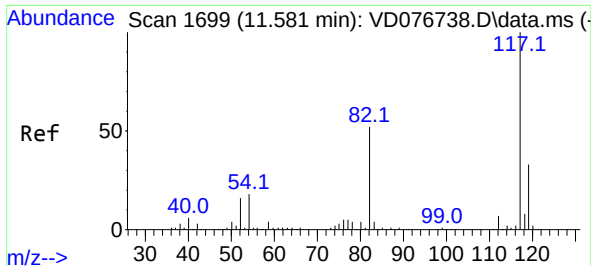
Ion Ratio Lower Upper

95 100

174 96.2 0.0 201.8

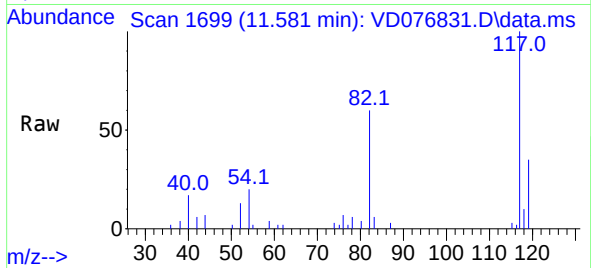
176 85.6 0.0 191.8



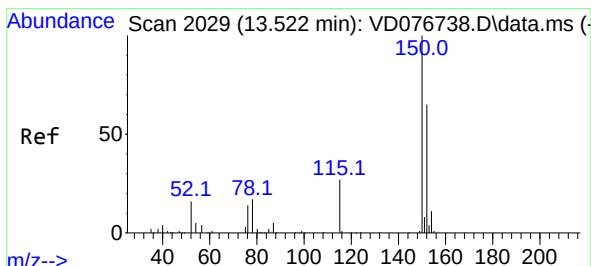
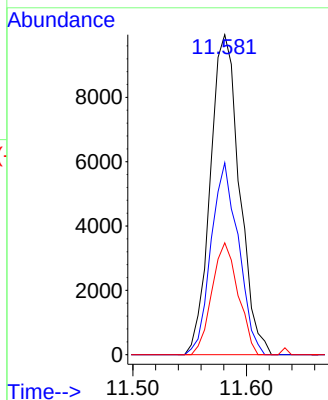
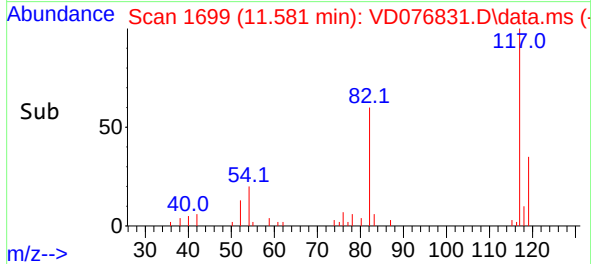


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 117759
Delta R.T. 0.000 min
Lab File: VD076831.D
Acq: 27 Jul 2023 13:47

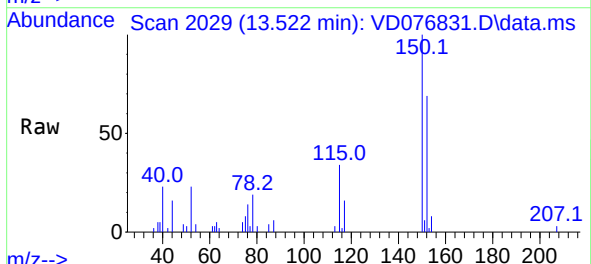
Instrument :
MSVOA_D
ClientSampleId :



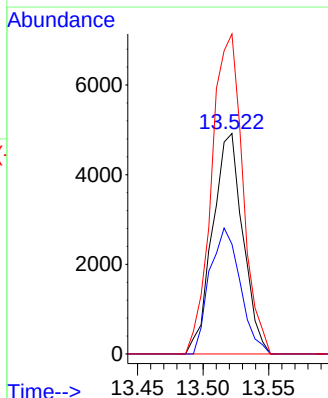
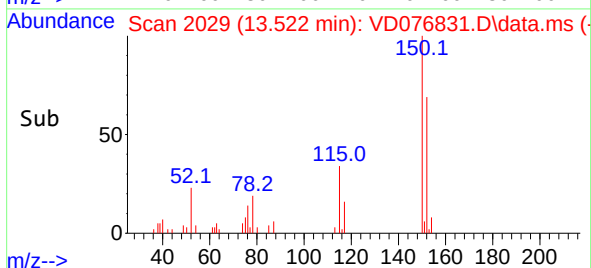
Tgt Ion:117 Resp: 17759
Ion Ratio Lower Upper
117 100
82 60.0 38.3 57.5#
119 34.9 25.0 37.4

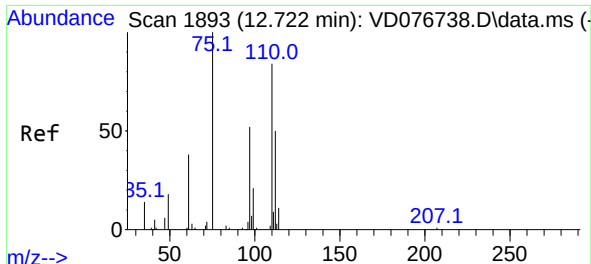


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.522 min Scan# 2029
Delta R.T. 0.000 min
Lab File: VD076831.D
Acq: 27 Jul 2023 13:47



Tgt Ion:152 Resp: 7916
Ion Ratio Lower Upper
152 100
115 57.5 27.1 81.3
150 148.7 0.0 353.6

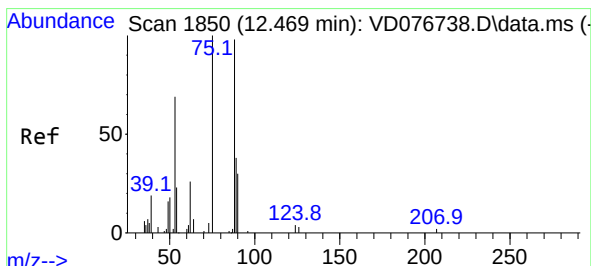
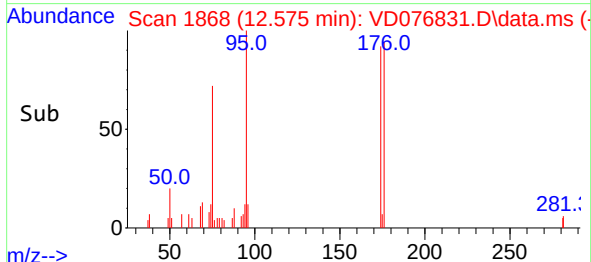
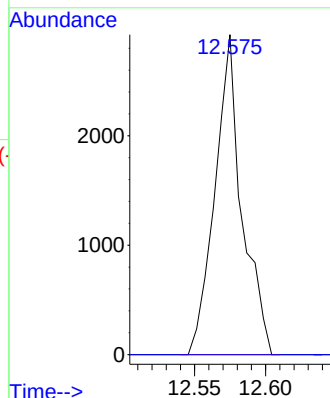
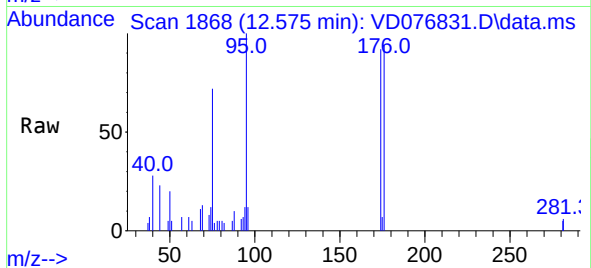




#76
1,2,3-Trichloropropane
Concen: 51.262 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.147 min
Lab File: VD076831.D
Acq: 27 Jul 2023 13:47

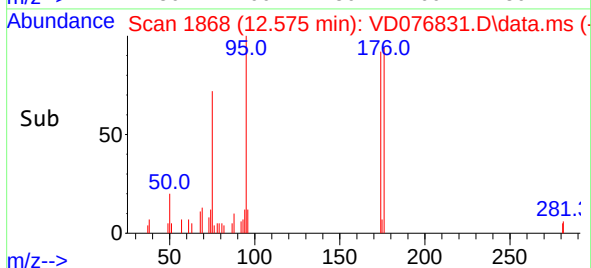
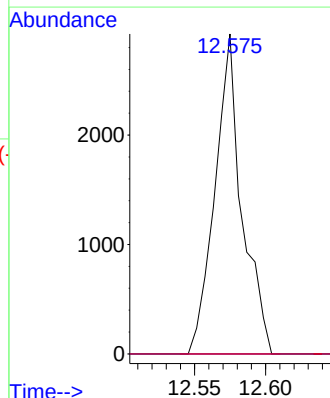
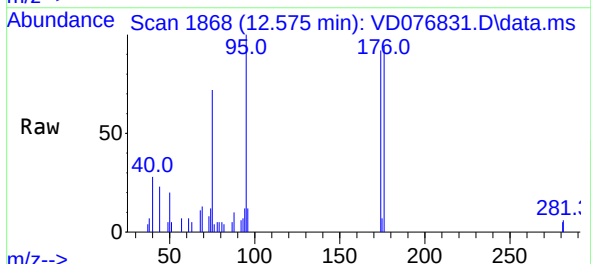
Instrument :
MSVOA_D
ClientSampleId :

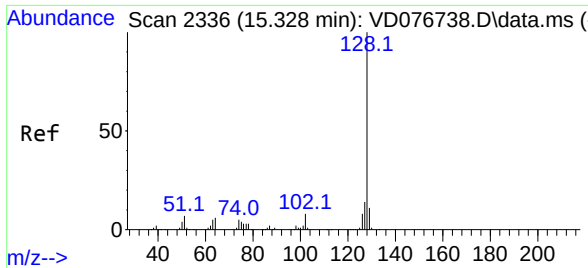
Tgt Ion: 75 Resp: 3859
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#81
trans-1,4-Dichloro-2-butene
Concen: 109.098 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD076831.D
Acq: 27 Jul 2023 13:47

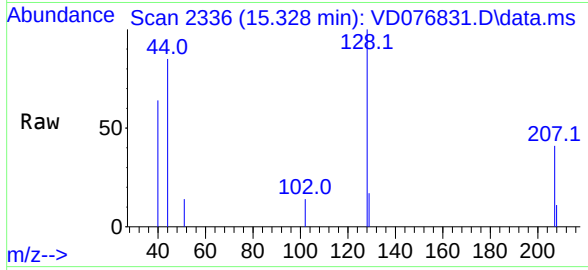
Tgt Ion: 75 Resp: 3859
Ion Ratio Lower Upper
75 100
53 0.0 63.0 94.4#
89 0.0 37.9 56.9#





#95
Naphthalene
Concen: 11.225 ug/l
RT: 15.328 min Scan# 21
Delta R.T. -0.000 min
Lab File: VD076831.D
Acq: 27 Jul 2023 13:47

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion:	128	Resp:	3565
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.5	15.7#
129	17.4	8.7	13.1#

