

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD091823\
 Data File : VD077137.D
 Acq On : 18 Sep 2023 18:40
 Operator : JC/SY
 Sample : 04436-17
 Misc : 2.59G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Sep 19 04:59:05 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D091823S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 19 04:46:37 2023
 Response via : Initial Calibration

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

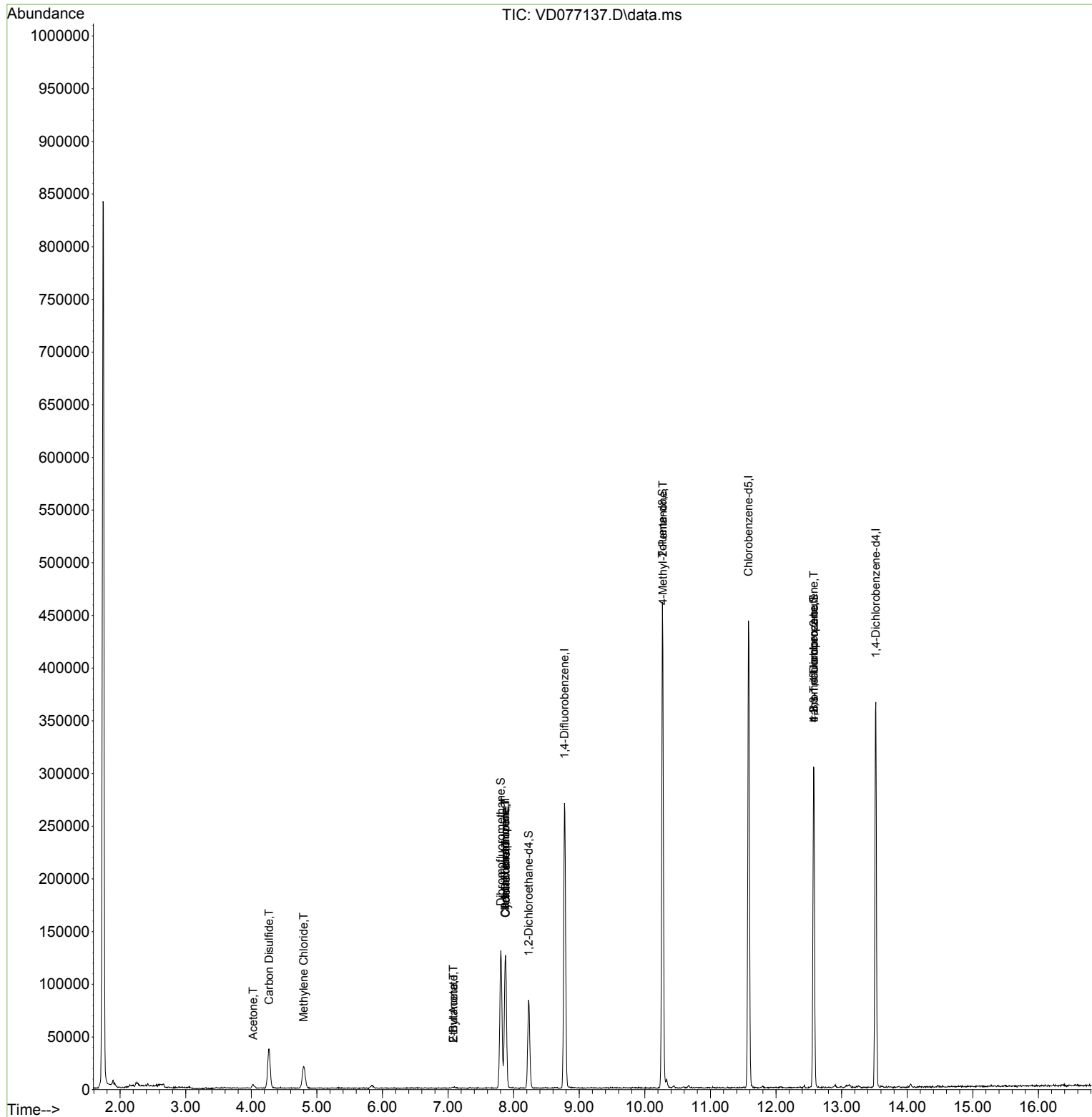
Internal Standards						
1) Pentafluorobenzene	7.875	168	103862	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	253983	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	269753	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	102759	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	63589	60.666	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 121.340%	
35) Dibromofluoromethane	7.804	113	92790	52.598	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 105.200%	
50) Toluene-d8	10.269	98	322548	51.367	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 102.740%	
62) 4-Bromofluorobenzene	12.575	95	92890	47.728	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 95.460%	
Target Compounds						
					Qvalue	
16) Acetone	4.028	43	5649	23.580	ug/l #	62
17) Carbon Disulfide	4.269	76	80533	20.248	ug/l	97
20) Methylene Chloride	4.799	84	17811	5.919	ug/l	94
25) 2-Butanone	7.081	43	1266	4.017	ug/l	93
31) Cyclohexane	7.881	56	2328	1.270	ug/l #	46
36) 1,1-Dichloropropene	7.875	75	7228	2.721	ug/l #	46
37) Ethyl Acetate	7.081	43	1266	1.242	ug/l #	62
38) Carbon Tetrachloride	7.869	117	10327	3.955	ug/l #	11
51) 4-Methyl-2-Pentanone	10.275	43	1261	1.285	ug/l #	1
76) 1,2,3-Trichloropropane	12.575	75	47258	57.654	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	47258	109.128	ug/l #	17

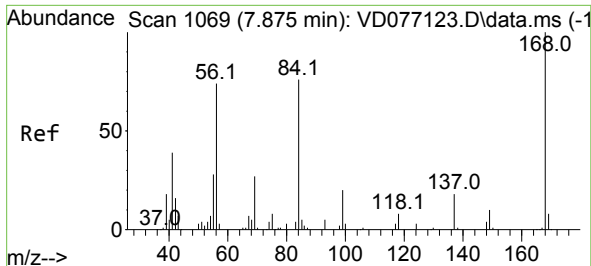
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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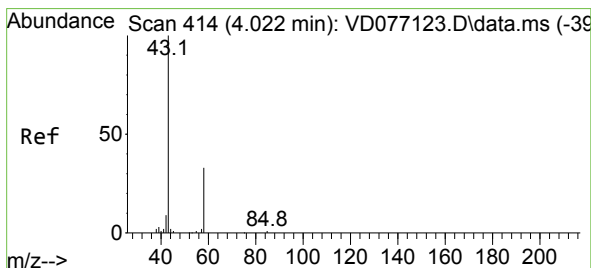
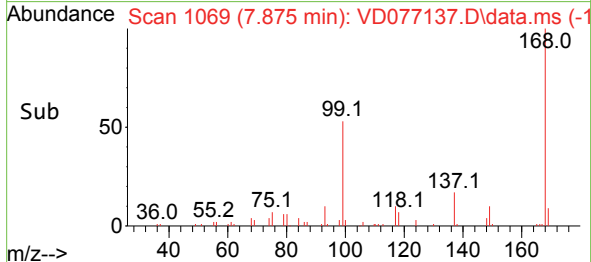
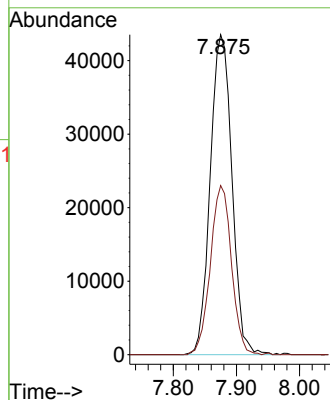
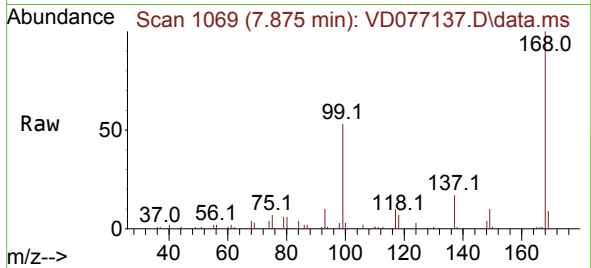




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD077137.D
Acq: 18 Sep 2023 18:40

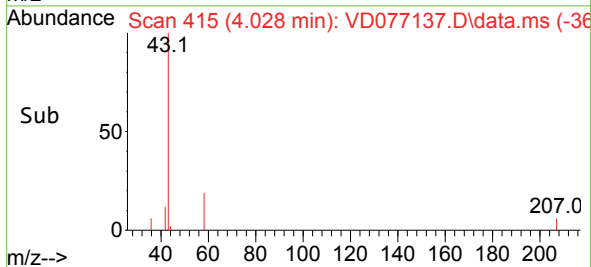
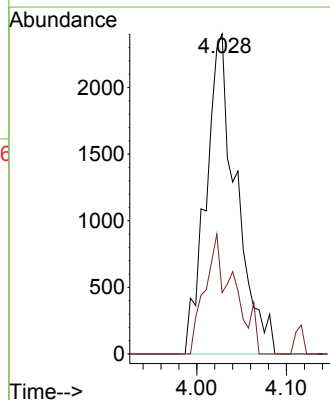
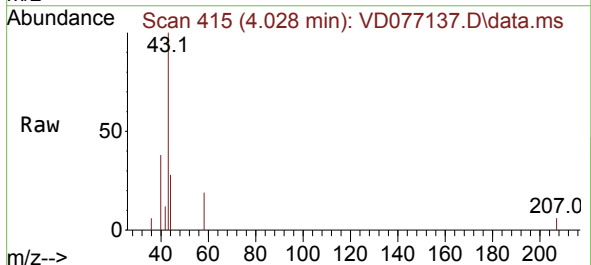
Instrument :
MSVOA_D
ClientSampleId :

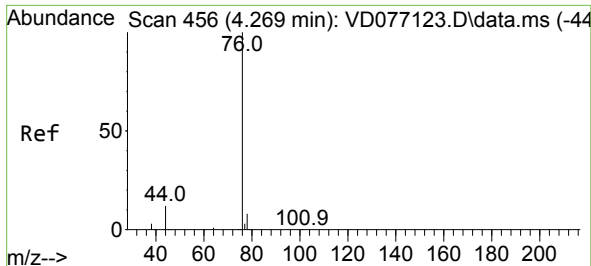
Tgt Ion:168 Resp: 103862
Ion Ratio Lower Upper
168 100
99 52.8 36.7 55.1



#16
Acetone
Concen: 23.580 ug/l
RT: 4.028 min Scan# 415
Delta R.T. 0.006 min
Lab File: VD077137.D
Acq: 18 Sep 2023 18:40

Tgt Ion: 43 Resp: 5649
Ion Ratio Lower Upper
43 100
58 19.2 34.7 52.1#

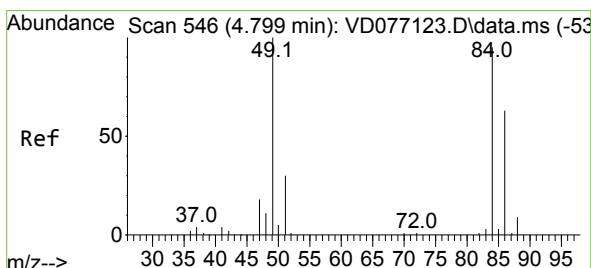
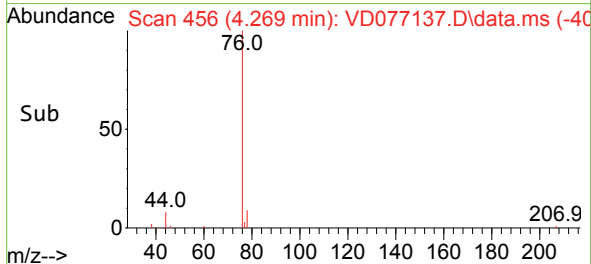
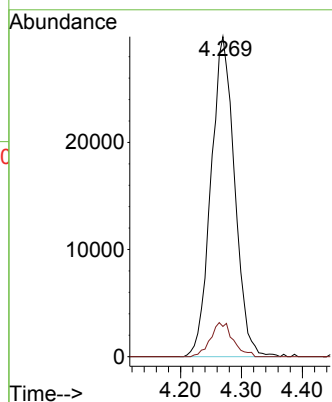
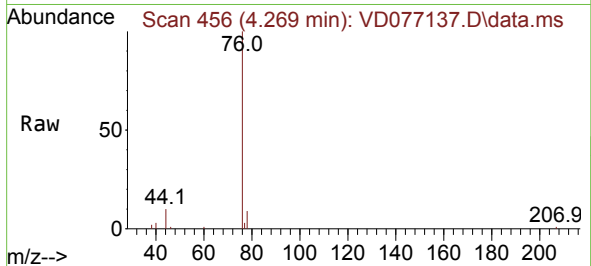




#17
Carbon Disulfide
Concen: 20.248 ug/l
RT: 4.269 min Scan# 456
Delta R.T. 0.000 min
Lab File: VD077137.D
Acq: 18 Sep 2023 18:40

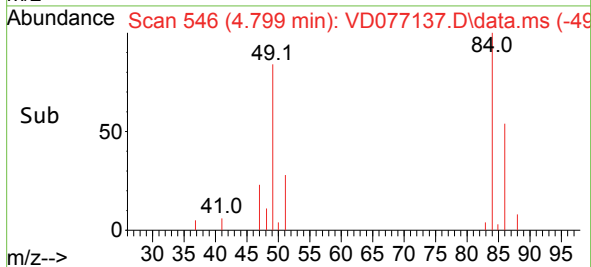
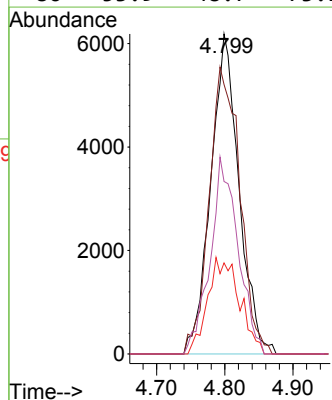
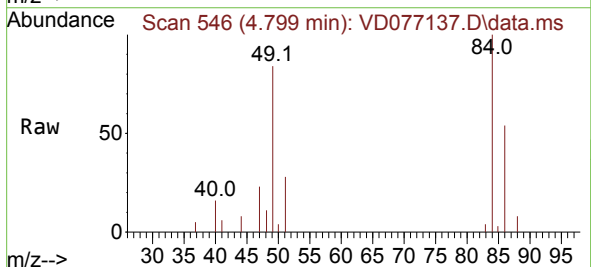
Instrument :
MSVOA_D
ClientSampleId :

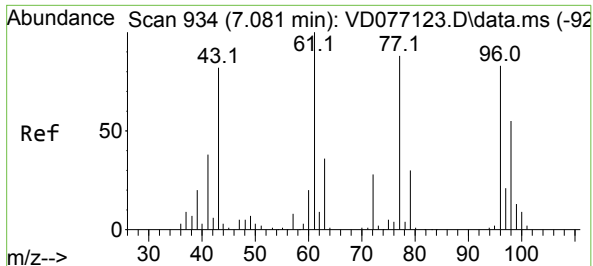
Tgt Ion: 76 Resp: 80533
Ion Ratio Lower Upper
76 100
78 9.4 6.8 10.2



#20
Methylene Chloride
Concen: 5.919 ug/l
RT: 4.799 min Scan# 546
Delta R.T. -0.000 min
Lab File: VD077137.D
Acq: 18 Sep 2023 18:40

Tgt Ion: 84 Resp: 17811
Ion Ratio Lower Upper
84 100
49 84.2 71.4 107.2
51 28.4 24.5 36.7
86 53.9 48.7 73.1





#25

2-Butanone

Concen: 4.017 ug/l

RT: 7.081 min Scan# 91

Delta R.T. 0.000 min

Lab File: VD077137.D

Acq: 18 Sep 2023 18:40

Instrument :

MSVOA_D

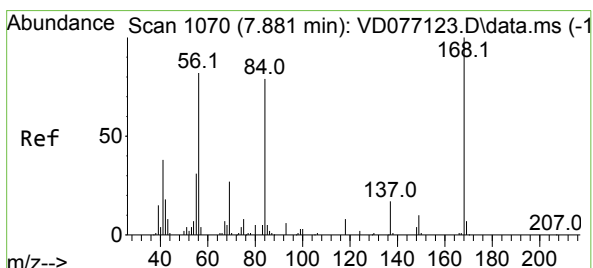
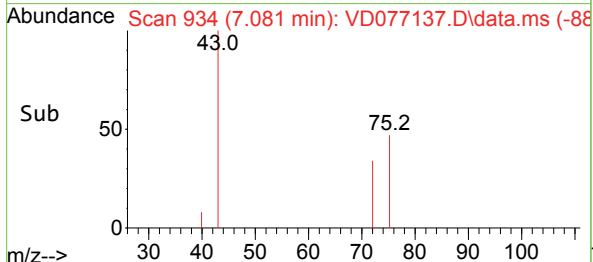
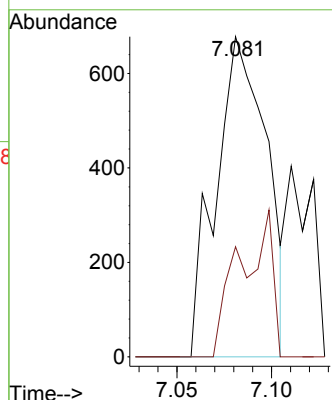
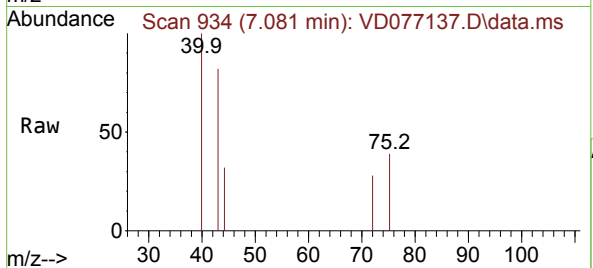
ClientSampleId :

Tgt Ion: 43 Resp: 1266

Ion Ratio Lower Upper

43 100

72 34.4 30.7 46.1



#31

Cyclohexane

Concen: 1.270 ug/l

RT: 7.881 min Scan# 1070

Delta R.T. 0.000 min

Lab File: VD077137.D

Acq: 18 Sep 2023 18:40

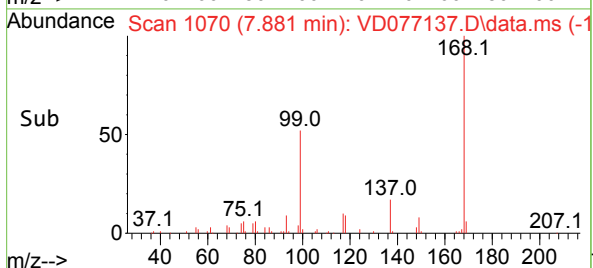
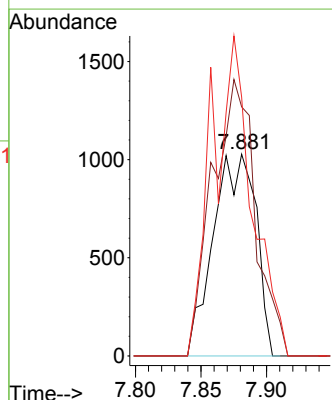
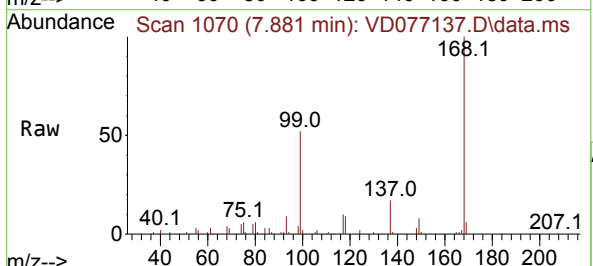
Tgt Ion: 56 Resp: 2328

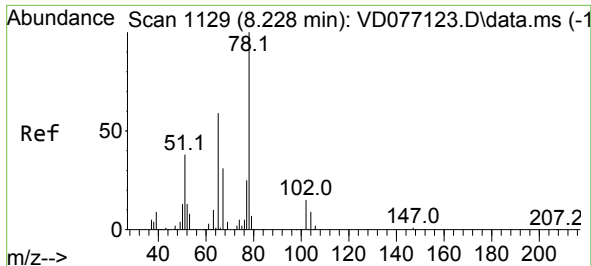
Ion Ratio Lower Upper

56 100

69 123.4 28.6 43.0#

84 128.3 84.8 127.2#





#33

1,2-Dichloroethane-d4

Concen: 60.666 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. 0.000 min

Lab File: VD077137.D

Acq: 18 Sep 2023 18:40

Instrument :

MSVOA_D

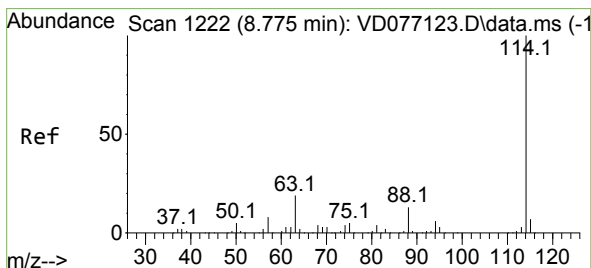
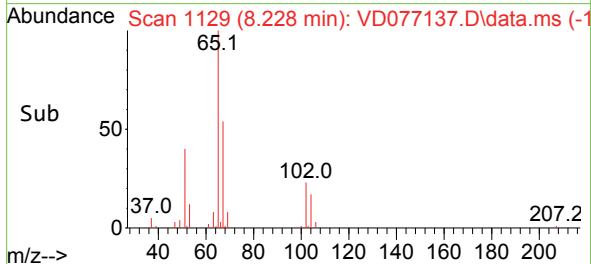
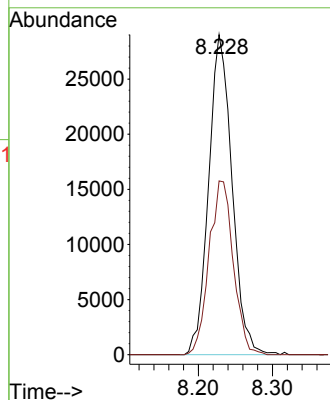
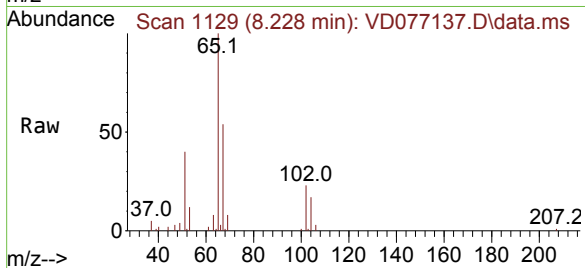
ClientSampleId :

Tgt Ion: 65 Resp: 63589

Ion Ratio Lower Upper

65 100

67 56.2 0.0 115.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1222

Delta R.T. 0.000 min

Lab File: VD077137.D

Acq: 18 Sep 2023 18:40

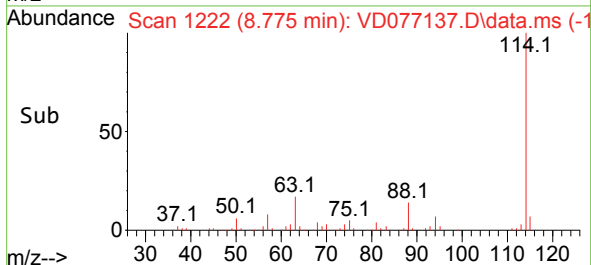
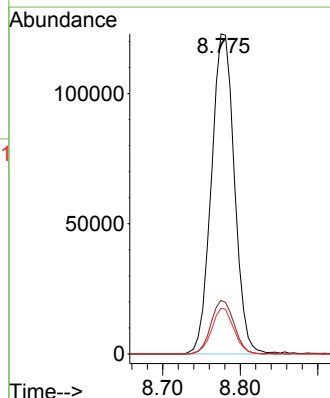
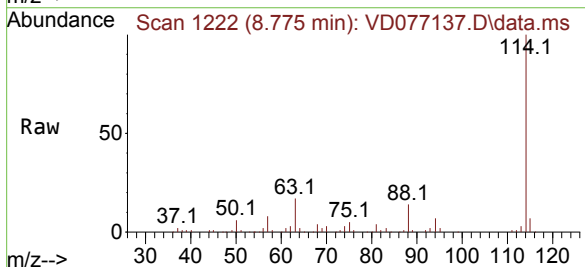
Tgt Ion: 114 Resp: 253983

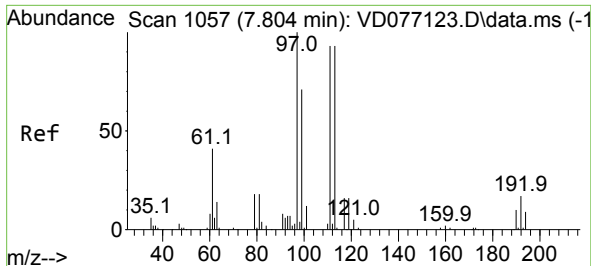
Ion Ratio Lower Upper

114 100

63 16.8 0.0 33.4

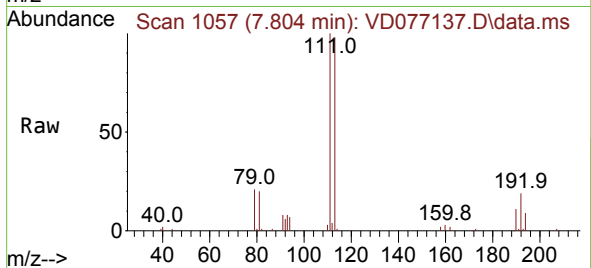
88 14.2 0.0 26.2



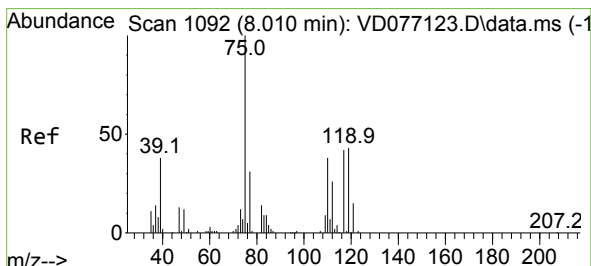
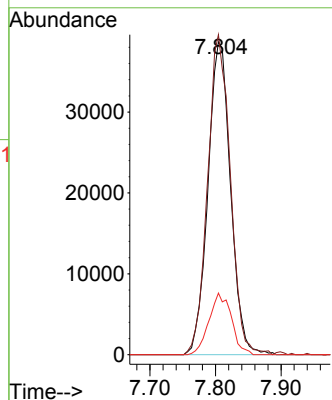
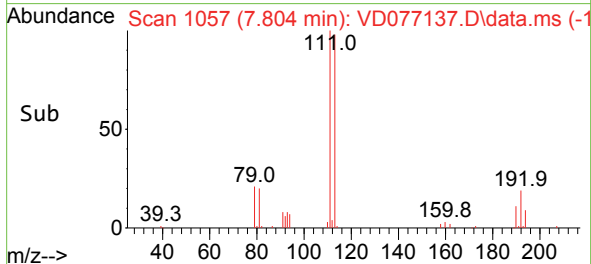


#35
Dibromofluoromethane
Concen: 52.598 ug/l
RT: 7.804 min Scan# 1057
Delta R.T. 0.000 min
Lab File: VD077137.D
Acq: 18 Sep 2023 18:40

Instrument :
MSVOA_D
ClientSampleId :

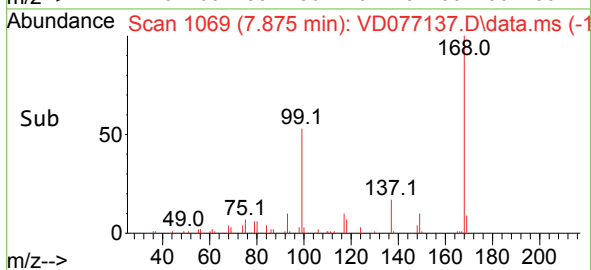
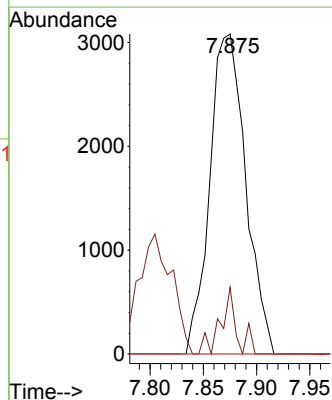
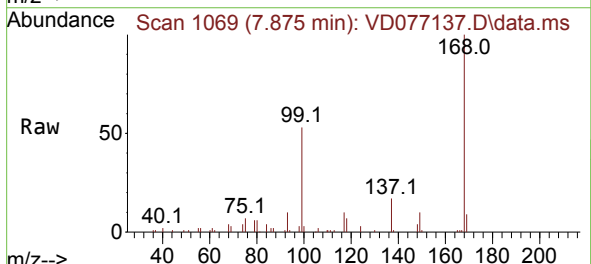


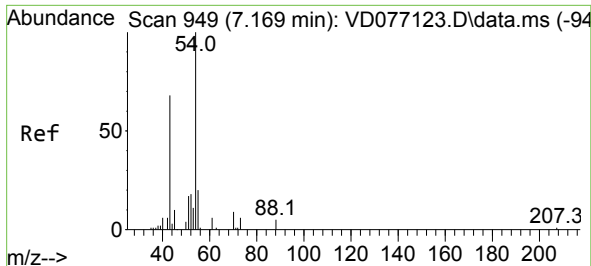
Tgt Ion:113 Resp: 92790
Ion Ratio Lower Upper
113 100
111 102.6 84.7 127.1
192 19.5 16.8 25.2



#36
1,1-Dichloropropene
Concen: 2.721 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.135 min
Lab File: VD077137.D
Acq: 18 Sep 2023 18:40

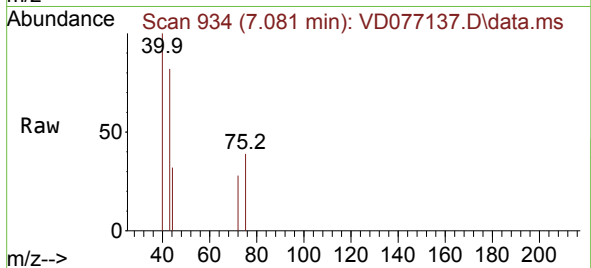
Tgt Ion: 75 Resp: 7228
Ion Ratio Lower Upper
75 100
110 7.9 19.9 59.6#
77 0.0 24.7 37.1#



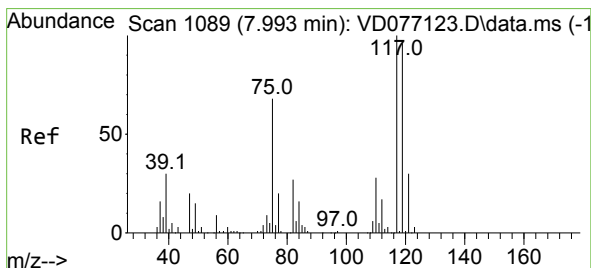
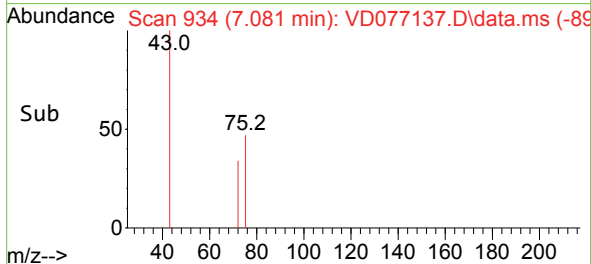
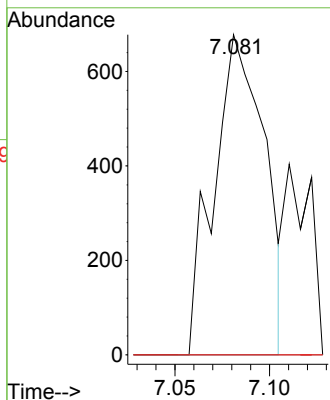


#37
Ethyl Acetate
Concen: 1.242 ug/l
RT: 7.081 min Scan# 91
Delta R.T. -0.088 min
Lab File: VD077137.D
Acq: 18 Sep 2023 18:40

Instrument :
MSVOA_D
ClientSampleId :

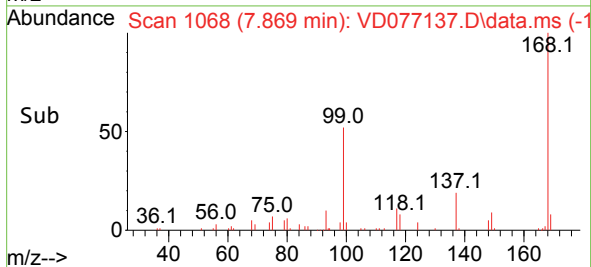
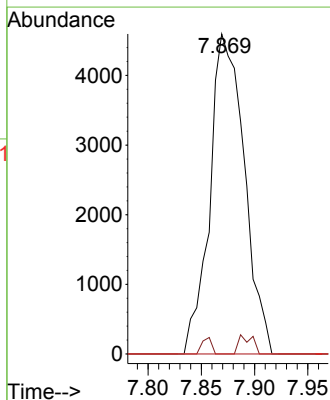
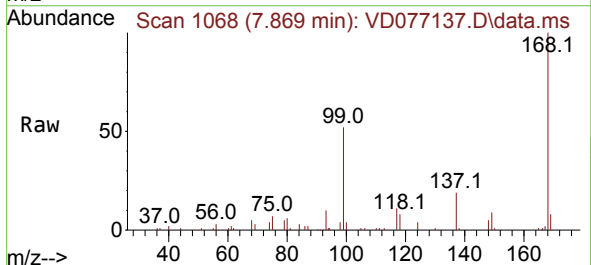


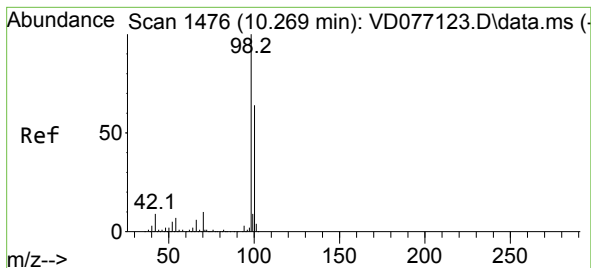
Tgt Ion: 43 Resp: 1266
Ion Ratio Lower Upper
43 100
61 0.0 14.9 22.3#
70 0.0 10.0 15.0#



#38
Carbon Tetrachloride
Concen: 3.955 ug/l
RT: 7.869 min Scan# 1068
Delta R.T. -0.123 min
Lab File: VD077137.D
Acq: 18 Sep 2023 18:40

Tgt Ion: 117 Resp: 10327
Ion Ratio Lower Upper
117 100
119 0.0 78.0 117.0#
121 0.0 24.2 36.2#





#50

Toluene-d8

Concen: 51.367 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD077137.D

Acq: 18 Sep 2023 18:40

Instrument :

MSVOA_D

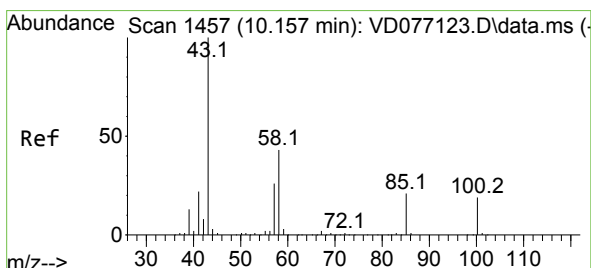
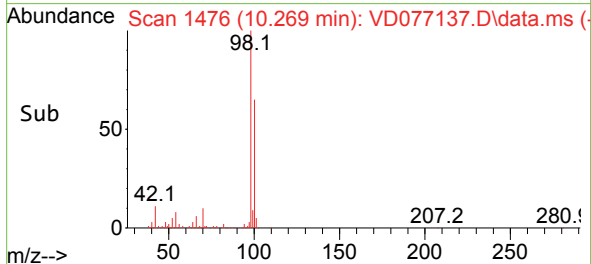
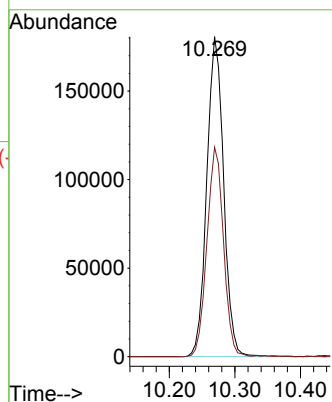
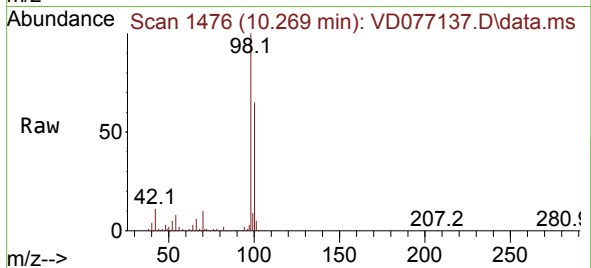
ClientSampleId :

Tgt Ion: 98 Resp: 322548

Ion Ratio Lower Upper

98 100

100 64.5 50.3 75.5



#51

4-Methyl-2-Pentanone

Concen: 1.285 ug/l

RT: 10.275 min Scan# 1477

Delta R.T. 0.118 min

Lab File: VD077137.D

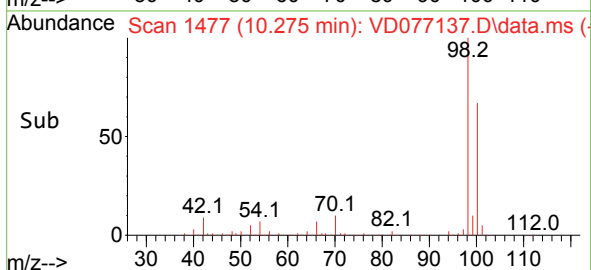
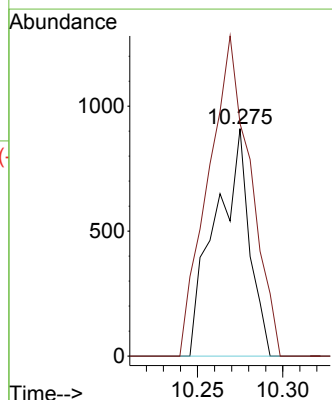
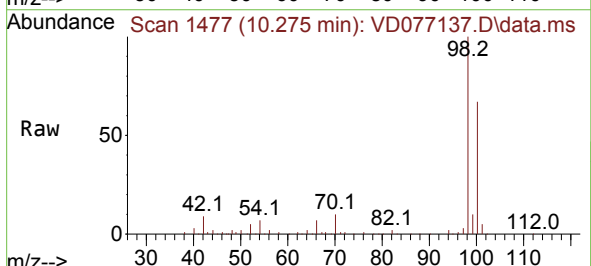
Acq: 18 Sep 2023 18:40

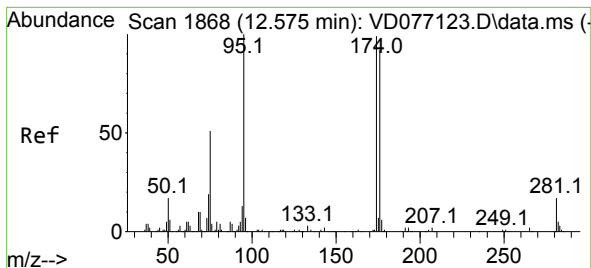
Tgt Ion: 43 Resp: 1261

Ion Ratio Lower Upper

43 100

58 174.7 38.9 58.3#

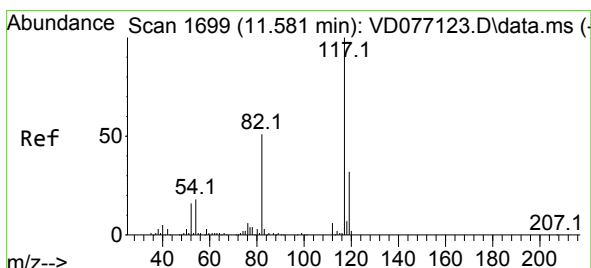
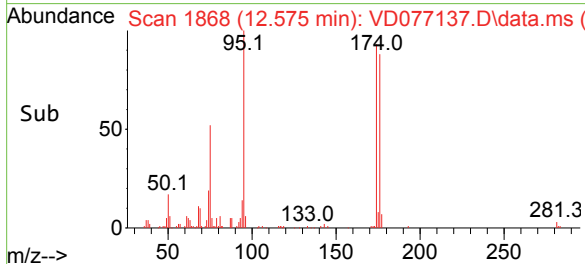
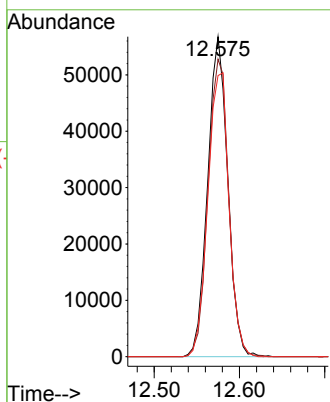
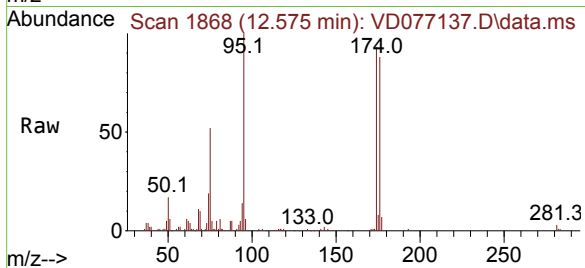




#62
4-Bromofluorobenzene
Concen: 47.728 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.000 min
Lab File: VD077137.D
Acq: 18 Sep 2023 18:40

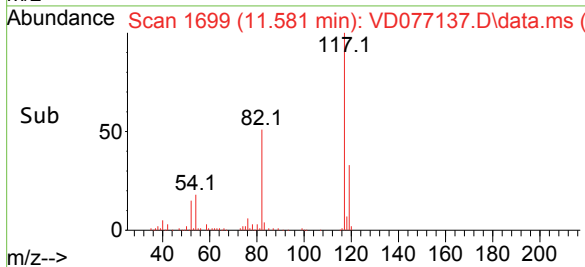
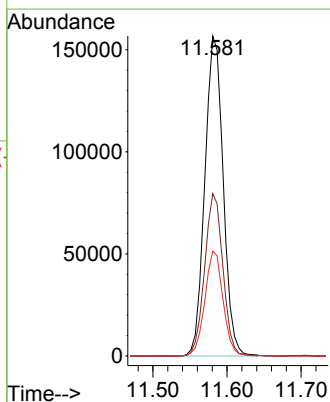
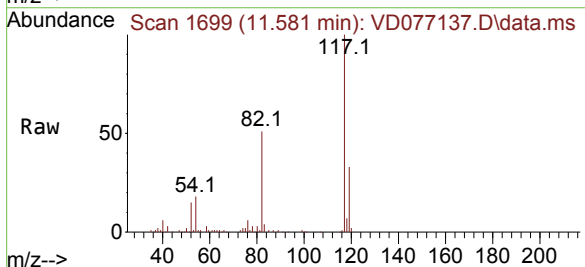
Instrument :
MSVOA_D
ClientSampleId :

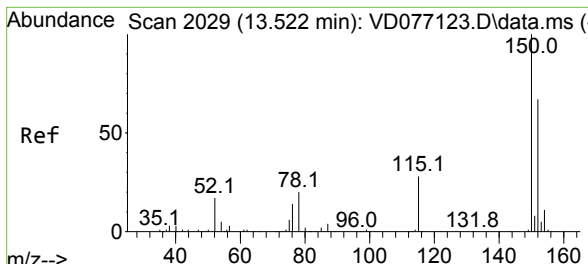
Tgt Ion: 95 Resp: 92890
Ion Ratio Lower Upper
95 100
174 95.8 0.0 201.8
176 93.4 0.0 191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. 0.000 min
Lab File: VD077137.D
Acq: 18 Sep 2023 18:40

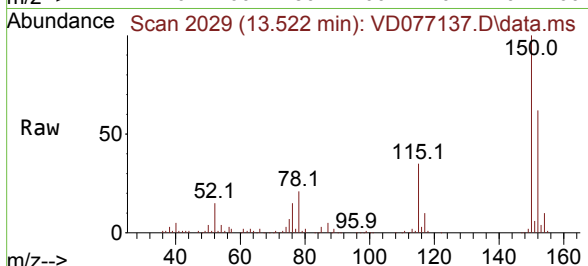
Tgt Ion: 117 Resp: 269753
Ion Ratio Lower Upper
117 100
82 50.7 38.3 57.5
119 32.8 25.0 37.4



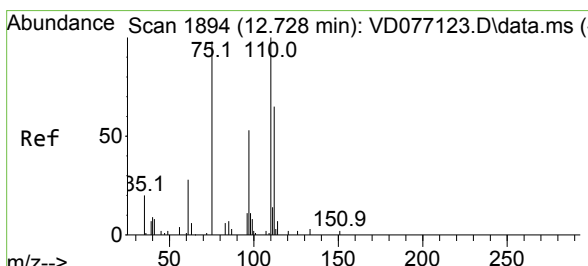
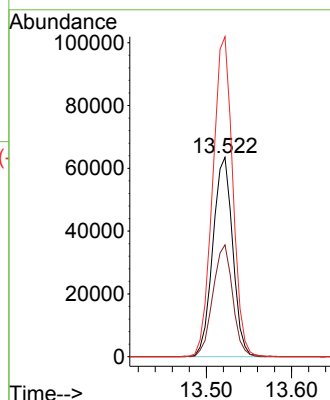
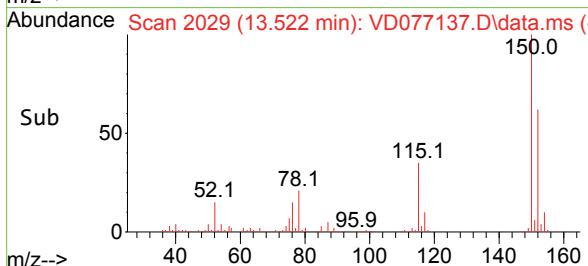


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.522 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VD077137.D
 Acq: 18 Sep 2023 18:40

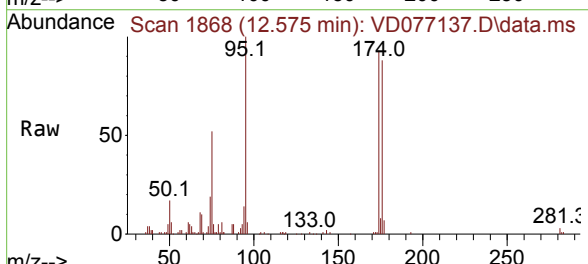
Instrument :
 MSVOA_D
 ClientSampleId :



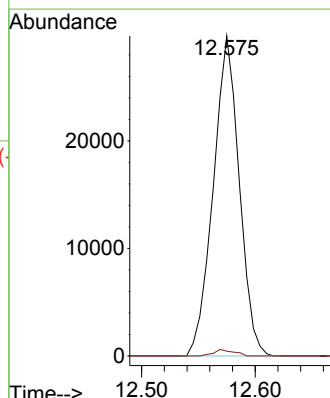
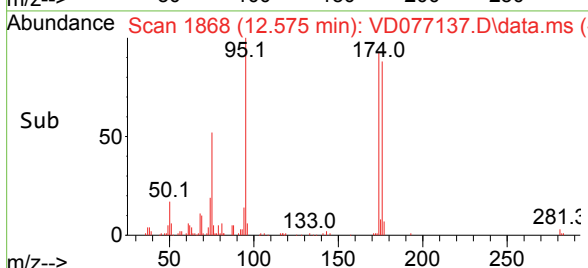
Tgt Ion:152 Resp: 102759
 Ion Ratio Lower Upper
 152 100
 115 55.9 27.1 81.3
 150 161.9 0.0 353.6

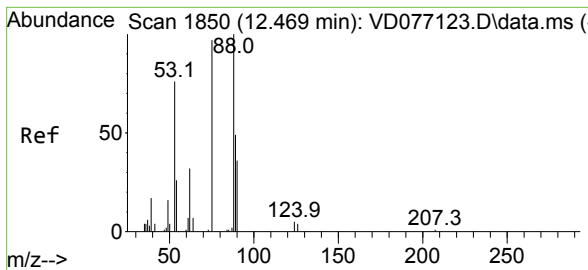


#76
 1,2,3-Trichloropropane
 Concen: 57.654 ug/l
 RT: 12.575 min Scan# 1868
 Delta R.T. -0.153 min
 Lab File: VD077137.D
 Acq: 18 Sep 2023 18:40



Tgt Ion: 75 Resp: 47258
 Ion Ratio Lower Upper
 75 100
 77 1.6 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 109.128 ug/l
 RT: 12.575 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VD077137.D
 Acq: 18 Sep 2023 18:40

Instrument :
 MSVOA_D
 ClientSampleId :

Tgt Ion:	75	Resp:	47258
Ion	Ratio	Lower	Upper
75	100		
53	0.0	63.0	94.4#
89	0.0	37.9	56.9#

