

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD072623\
 Data File : VD076815.D
 Acq On : 26 Jul 2023 19:37
 Operator : KP/SY
 Sample : 03769-12
 Misc : 5.07G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jul 27 04:26:30 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)

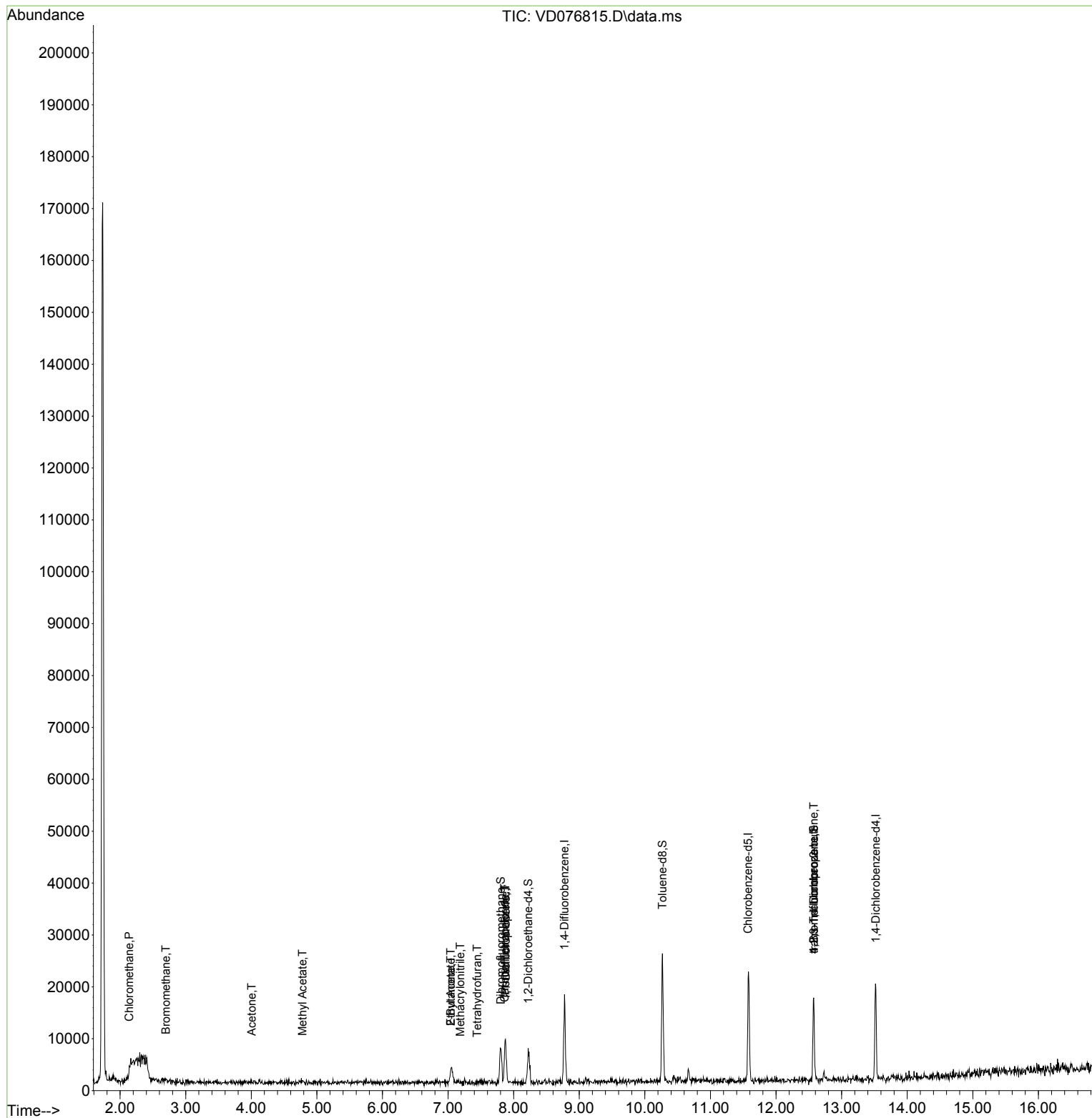
Internal Standards						
1) Pentafluorobenzene	7.875	168	7188	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	14149	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.575	117	13797	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	5401	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.222	65	5038	70.368	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 140.740%	
35) Dibromofluoromethane	7.805	113	5495	61.802	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 123.600%	
50) Toluene-d8	10.269	98	17285	54.342	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 108.680%	
62) 4-Bromofluorobenzene	12.575	95	4681	45.492	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 90.980%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.140	50	361	3.723	ug/l #	41
5) Bromomethane	2.699	94	311	2.924	ug/l	89
16) Acetone	4.005	43	66	3.860	ug/l #	32
18) Methyl Acetate	4.781	43	121	1.884	ug/l #	42
25) 2-Butanone	7.040	43	66	2.884	ug/l #	37
29) Tetrahydrofuran	7.446	42	54	3.994	ug/l #	23
36) 1,1-Dichloropropene	7.881	75	723	6.223	ug/l #	39
37) Ethyl Acetate	7.040	43	66	1.270	ug/l #	62
38) Carbon Tetrachloride	7.863	117	280	2.517	ug/l #	11
41) Methacrylonitrile	7.187	41	55	1.733	ug/l #	11
76) 1,2,3-Trichloropropane	12.575	75	2818	54.865	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	2818	116.766	ug/l #	17

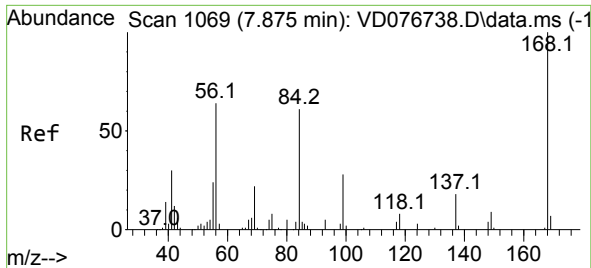
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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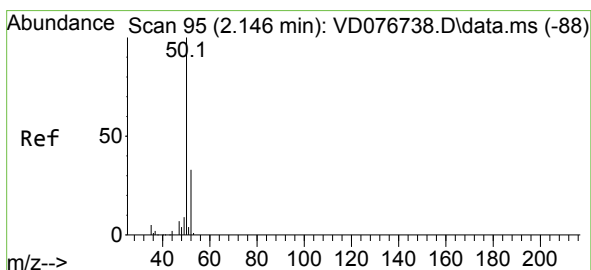
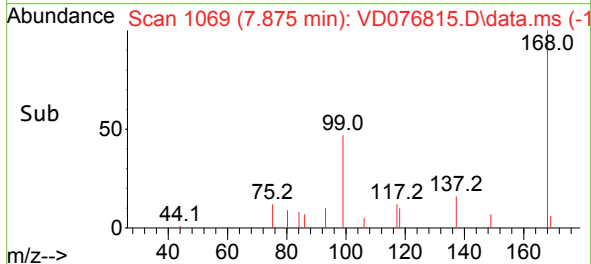
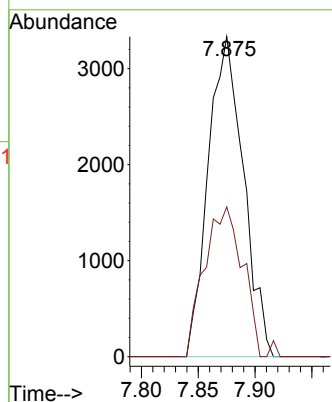
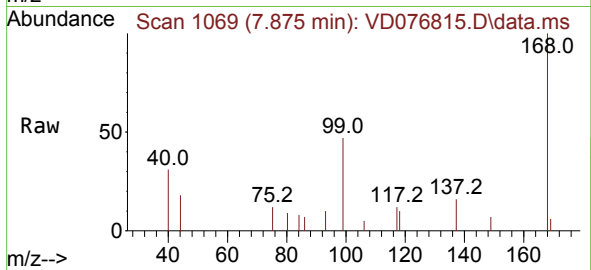




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD076815.D
Acq: 26 Jul 2023 19:37

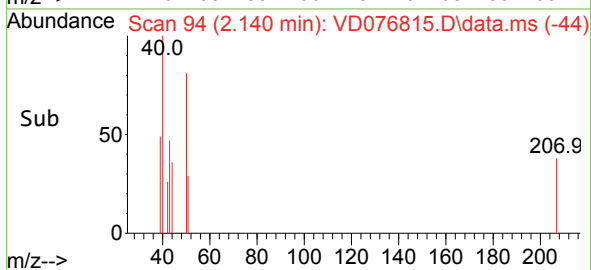
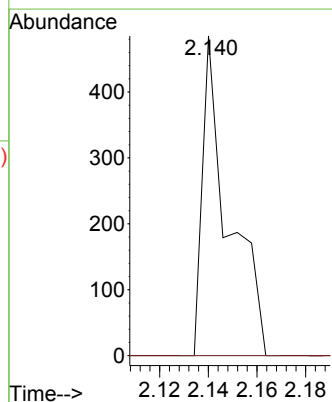
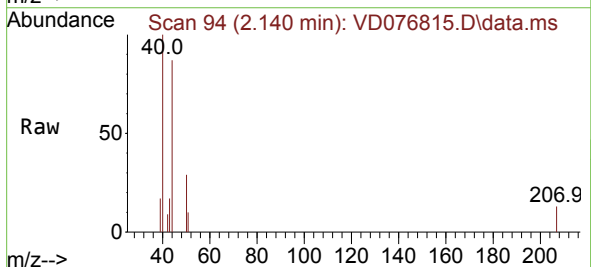
Instrument :
MSVOA_D
ClientSampleId :

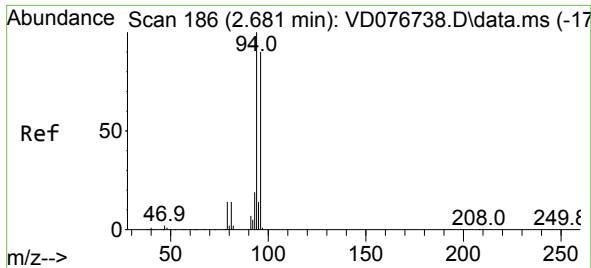
Tgt Ion:168 Resp: 7188
Ion Ratio Lower Upper
168 100
99 46.8 36.7 55.1



#3
Chloromethane
Concen: 3.723 ug/l
RT: 2.140 min Scan# 94
Delta R.T. -0.006 min
Lab File: VD076815.D
Acq: 26 Jul 2023 19:37

Tgt Ion: 50 Resp: 361
Ion Ratio Lower Upper
50 100
52 0.0 26.6 40.0#

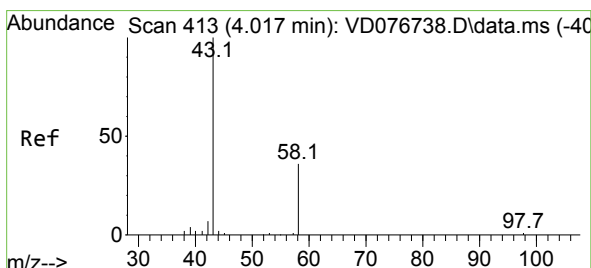
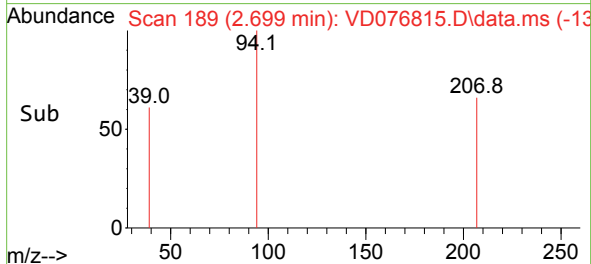
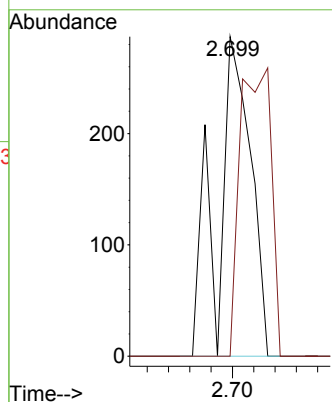
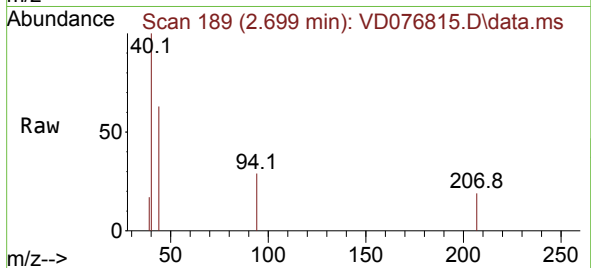




#5
Bromomethane
Concen: 2.924 ug/l
RT: 2.699 min Scan# 11
Delta R.T. 0.018 min
Lab File: VD076815.D
Acq: 26 Jul 2023 19:37

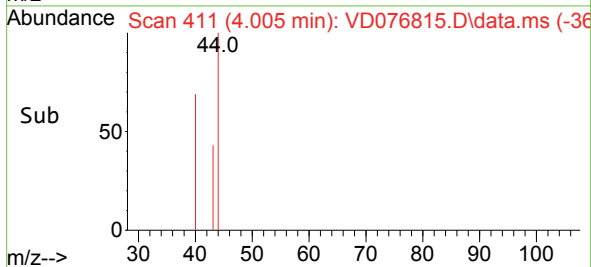
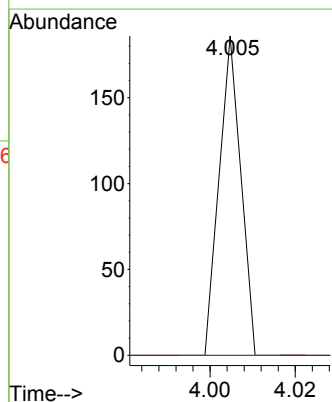
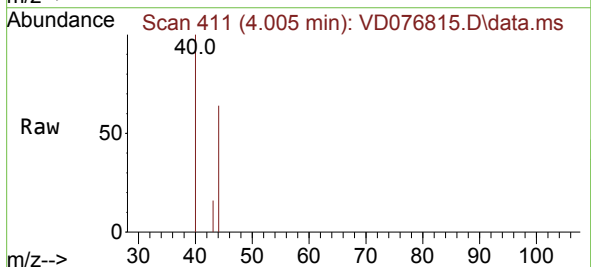
Instrument :
MSVOA_D
ClientSampleId :

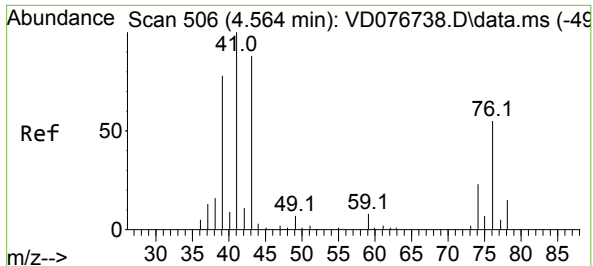
Tgt Ion: 94 Resp: 311
Ion Ratio Lower Upper
94 100
96 84.6 75.8 113.8



#16
Acetone
Concen: 3.860 ug/l
RT: 4.005 min Scan# 411
Delta R.T. -0.012 min
Lab File: VD076815.D
Acq: 26 Jul 2023 19:37

Tgt Ion: 43 Resp: 66
Ion Ratio Lower Upper
43 100
58 0.0 34.7 52.1#





#18

Methyl Acetate

Concen: 1.884 ug/l

RT: 4.781 min Scan# 54

Delta R.T. 0.217 min

Lab File: VD076815.D

Acq: 26 Jul 2023 19:37

Instrument :

MSVOA_D

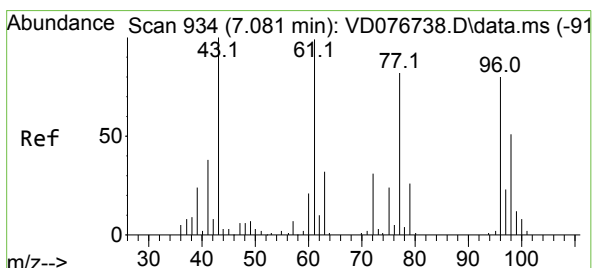
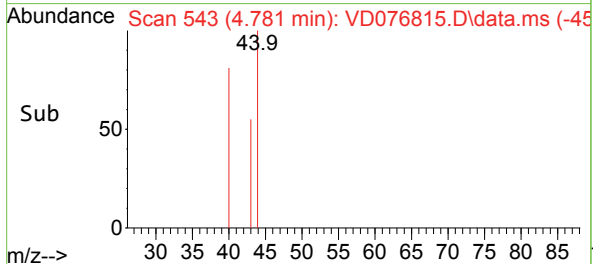
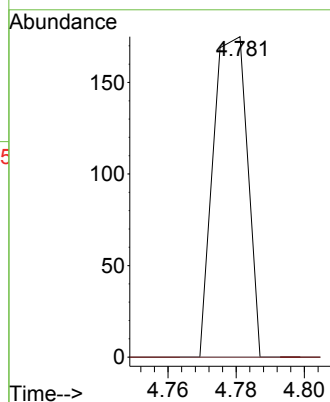
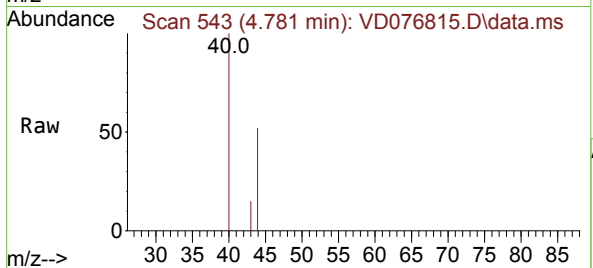
ClientSampleId :

Tgt Ion: 43 Resp: 121

Ion Ratio Lower Upper

43 100

74 0.0 26.4 39.6#



#25

2-Butanone

Concen: 2.884 ug/l

RT: 7.040 min Scan# 927

Delta R.T. -0.041 min

Lab File: VD076815.D

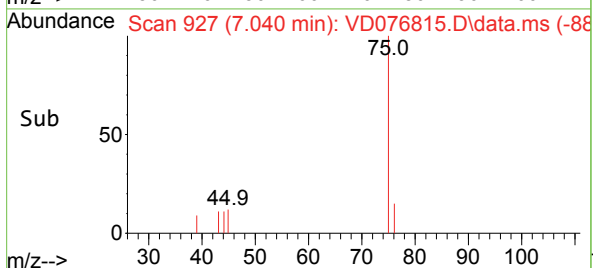
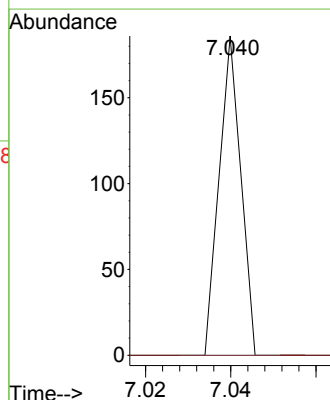
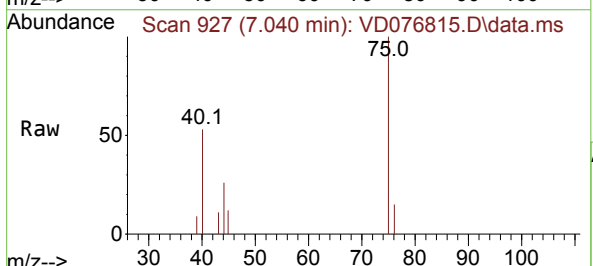
Acq: 26 Jul 2023 19:37

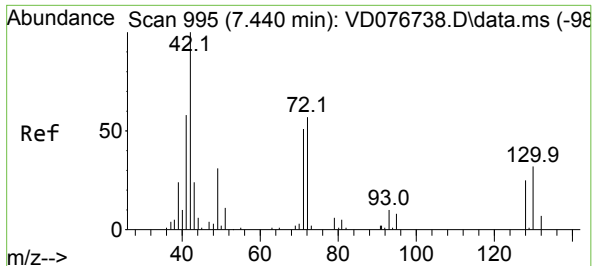
Tgt Ion: 43 Resp: 66

Ion Ratio Lower Upper

43 100

72 0.0 30.7 46.1#





#29

Tetrahydrofuran

Concen: 3.994 ug/l

RT: 7.446 min Scan# 995

Delta R.T. 0.006 min

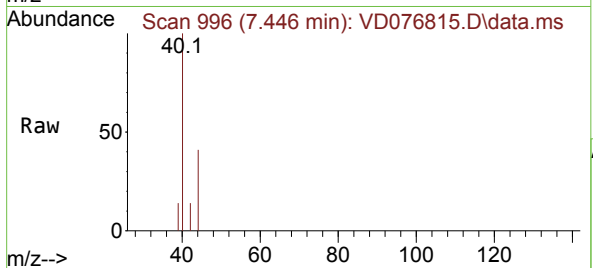
Lab File: VD076815.D

Acq: 26 Jul 2023 19:37

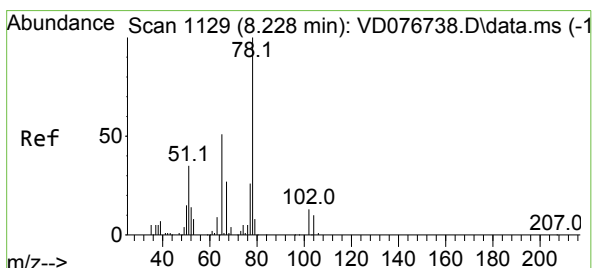
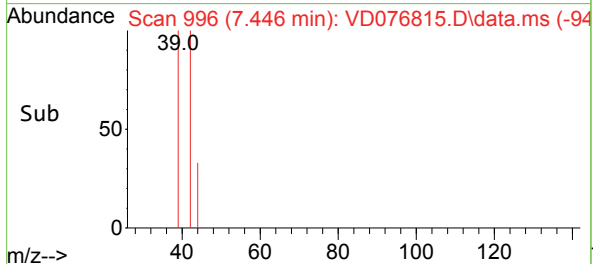
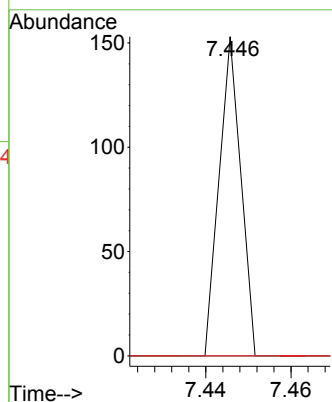
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion:	42	Resp:	54
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: 70.368 ug/l

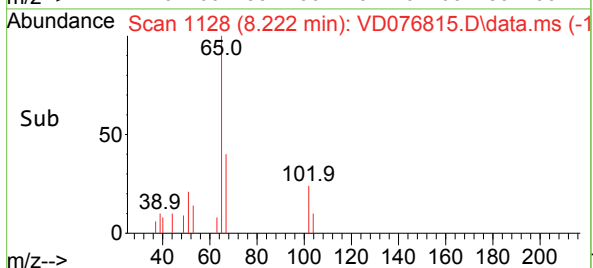
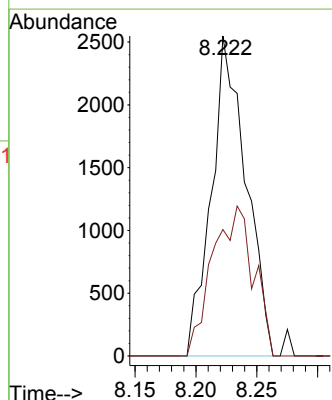
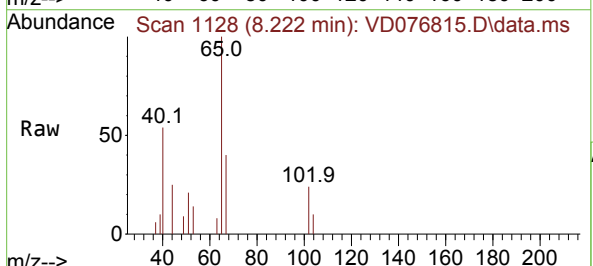
RT: 8.222 min Scan# 1128

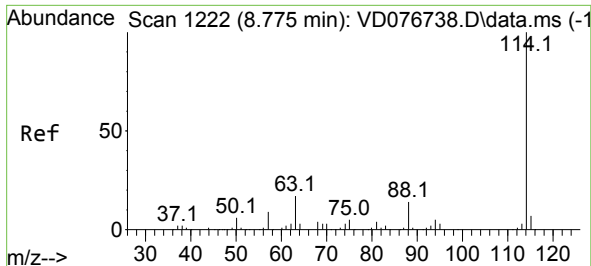
Delta R.T. -0.006 min

Lab File: VD076815.D

Acq: 26 Jul 2023 19:37

Tgt Ion:	65	Resp:	5038
Ion	Ratio	Lower	Upper
65	100		
67	55.7	0.0	115.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 11

Delta R.T. -0.000 min

Lab File: VD076815.D

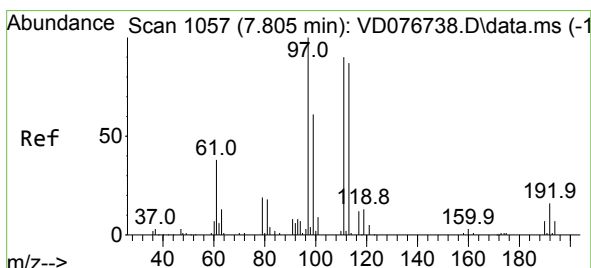
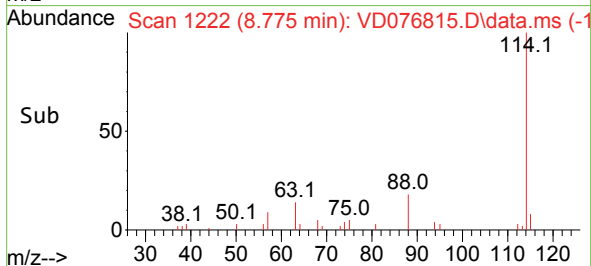
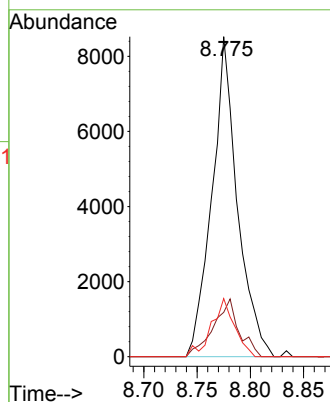
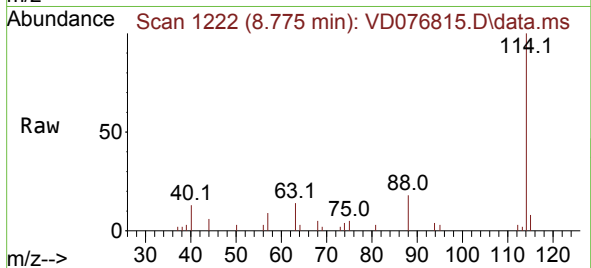
Acq: 26 Jul 2023 19:37

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion:114	Resp:	14149
Ion Ratio	Lower	Upper
114	100	
63	13.8	0.0 33.4
88	18.1	0.0 26.2



#35

Dibromofluoromethane

Concen: 61.802 ug/l

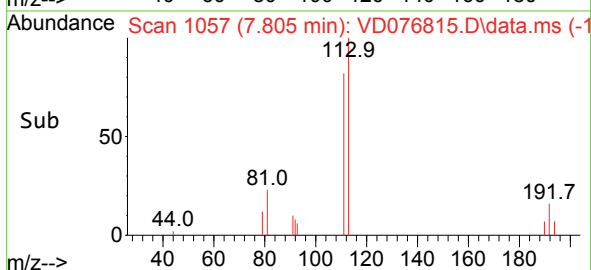
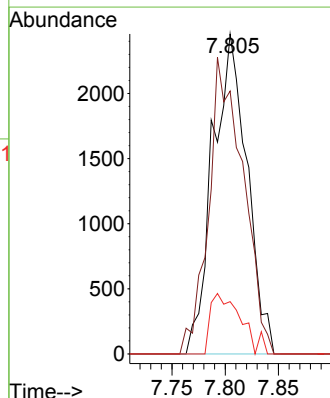
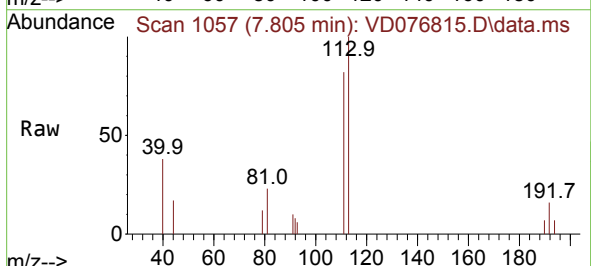
RT: 7.805 min Scan# 1057

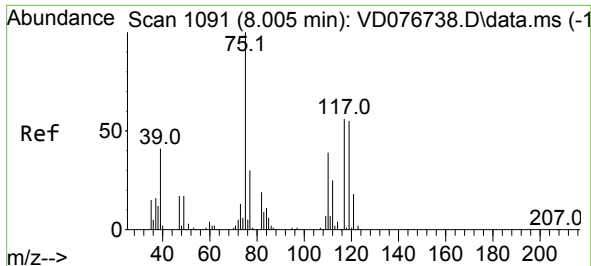
Delta R.T. -0.000 min

Lab File: VD076815.D

Acq: 26 Jul 2023 19:37

Tgt Ion:113	Resp:	5495
Ion Ratio	Lower	Upper
113	100	
111	93.1	84.7 127.1
192	16.8	16.8 25.2#





#36

1,1-Dichloropropene

Concen: 6.223 ug/l

RT: 7.881 min Scan# 1091

Delta R.T. -0.124 min

Lab File: VD076815.D

Acq: 26 Jul 2023 19:37

Instrument :

MSVOA_D

ClientSampleId :

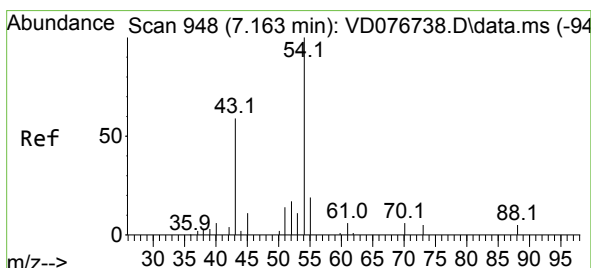
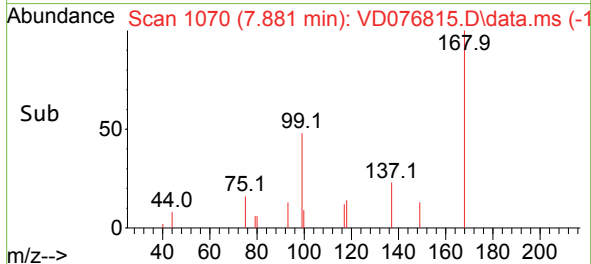
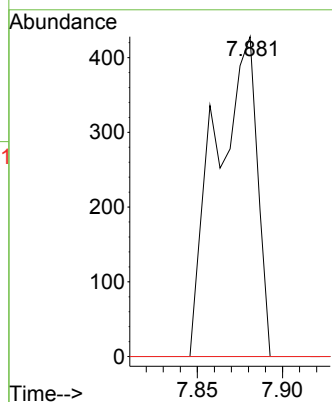
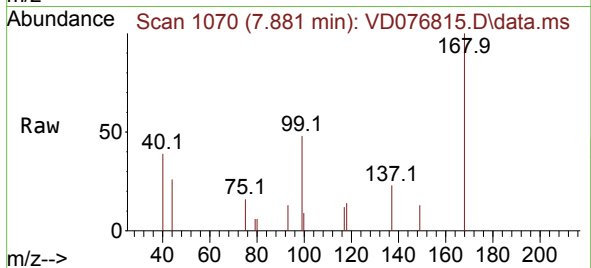
Tgt Ion: 75 Resp: 723

Ion Ratio Lower Upper

75 100

110 0.0 19.9 59.6#

77 0.0 24.7 37.1#



#37

Ethyl Acetate

Concen: 1.270 ug/l

RT: 7.040 min Scan# 927

Delta R.T. -0.123 min

Lab File: VD076815.D

Acq: 26 Jul 2023 19:37

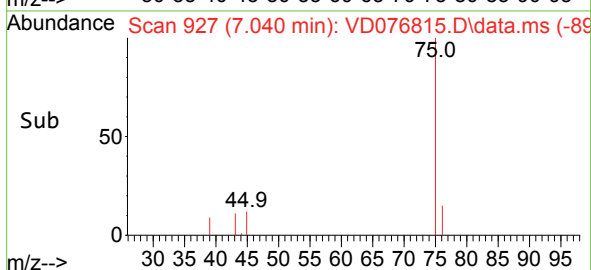
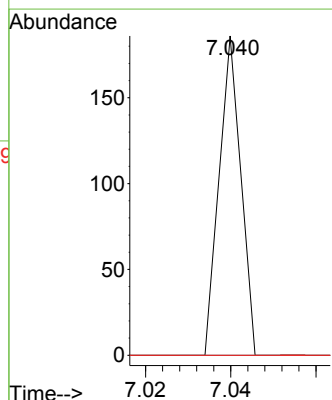
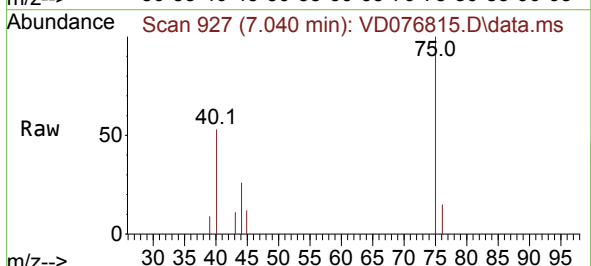
Tgt Ion: 43 Resp: 66

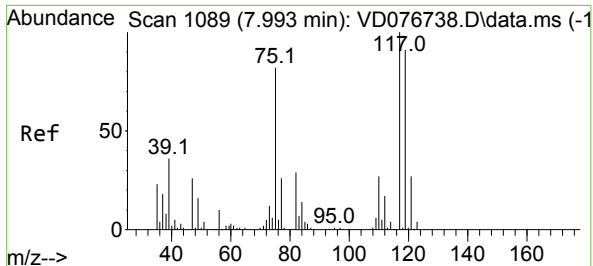
Ion Ratio Lower Upper

43 100

61 0.0 14.9 22.3#

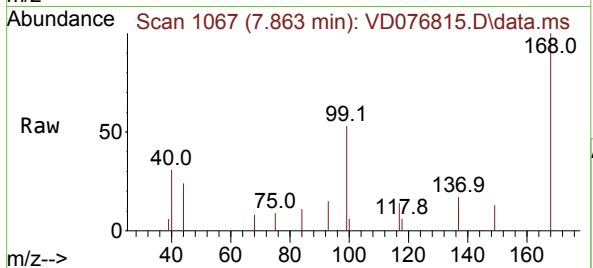
70 0.0 10.0 15.0#



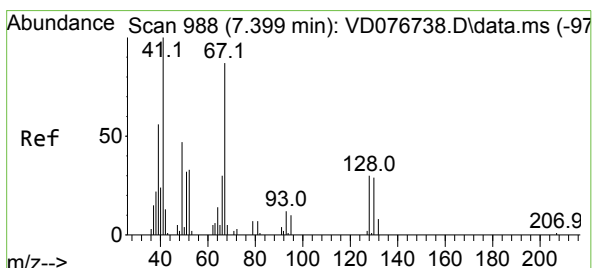
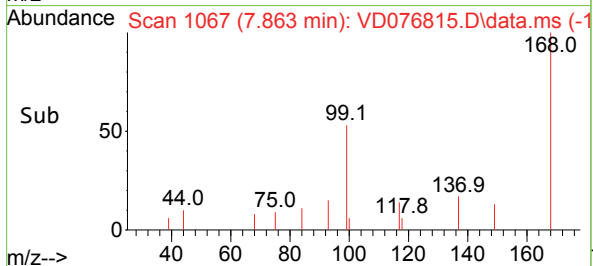
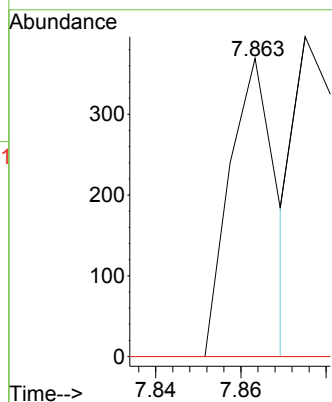


#38
Carbon Tetrachloride
Concen: 2.517 ug/l
RT: 7.863 min Scan# 1089
Delta R.T. -0.130 min
Lab File: VD076815.D
Acq: 26 Jul 2023 19:37

Instrument :
MSVOA_D
ClientSampleId :

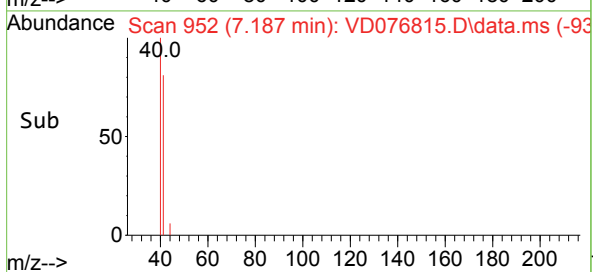
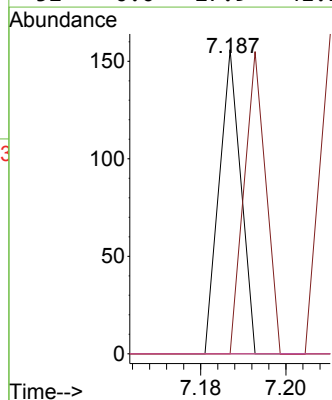
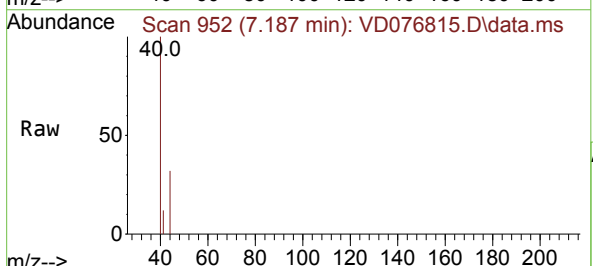


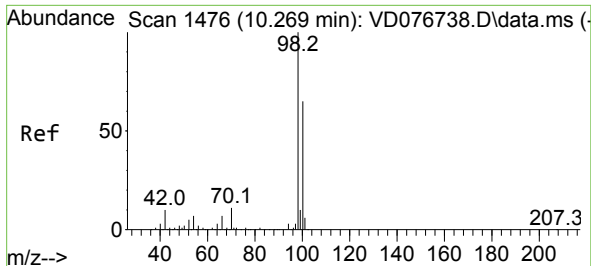
Tgt Ion:117 Resp: 280
Ion Ratio Lower Upper
117 100
119 0.0 78.0 117.0#
121 0.0 24.2 36.2#



#41
Methacrylonitrile
Concen: 1.733 ug/l
RT: 7.187 min Scan# 952
Delta R.T. -0.212 min
Lab File: VD076815.D
Acq: 26 Jul 2023 19:37

Tgt Ion: 41 Resp: 55
Ion Ratio Lower Upper
41 100
39 100.0 34.0 51.0#
67 0.0 77.0 115.4#
52 0.0 27.9 41.9#

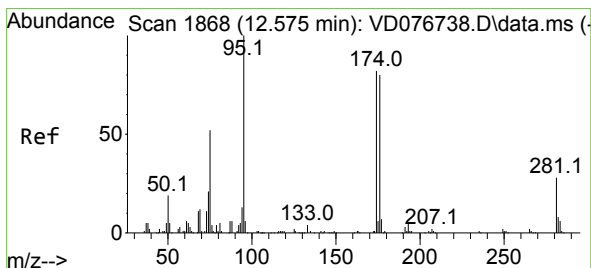
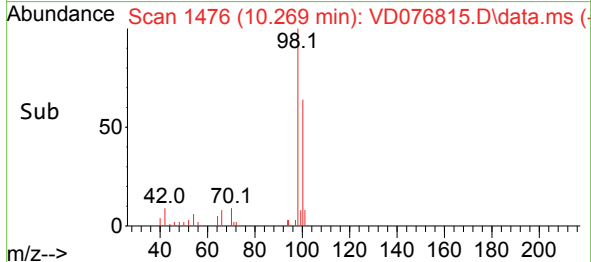
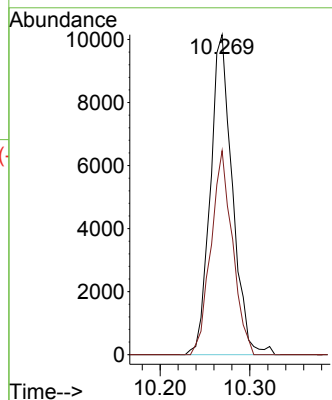
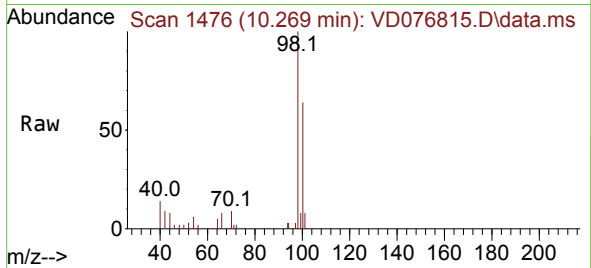




#50
Toluene-d8
Concen: 54.342 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD076815.D
Acq: 26 Jul 2023 19:37

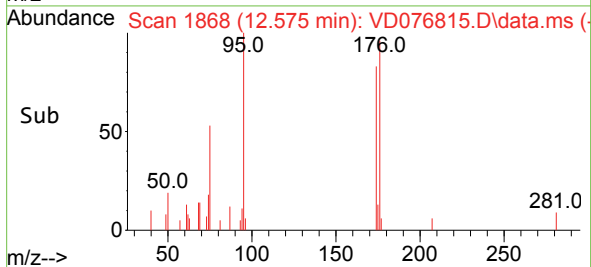
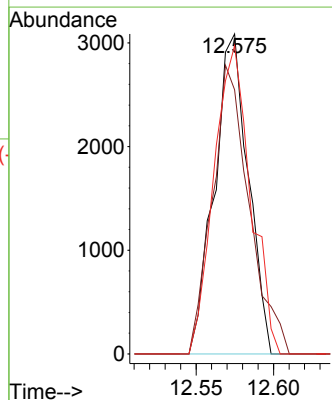
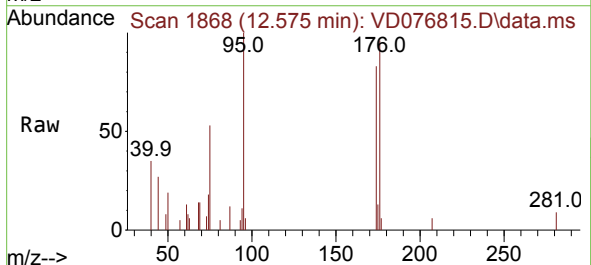
Instrument :
MSVOA_D
ClientSampleId :

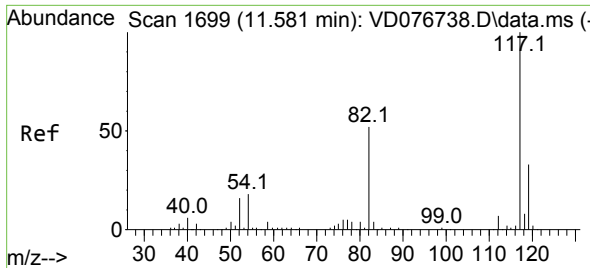
Tgt Ion: 98 Resp: 17285
Ion Ratio Lower Upper
98 100
100 62.5 50.3 75.5



#62
4-Bromofluorobenzene
Concen: 45.492 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD076815.D
Acq: 26 Jul 2023 19:37

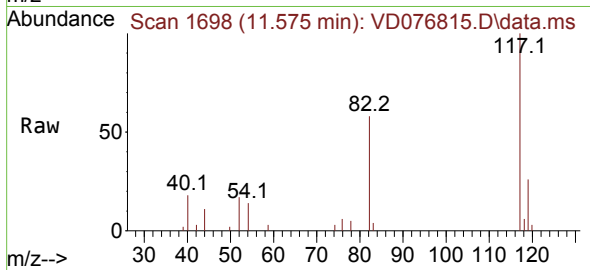
Tgt Ion: 95 Resp: 4681
Ion Ratio Lower Upper
95 100
174 98.3 0.0 201.8
176 104.4 0.0 191.8



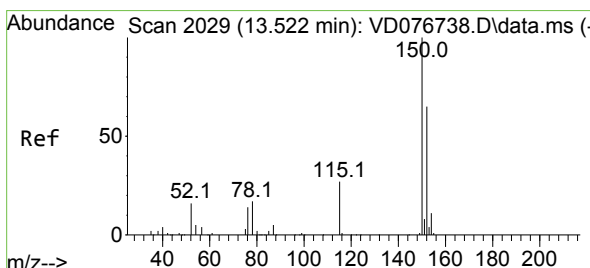
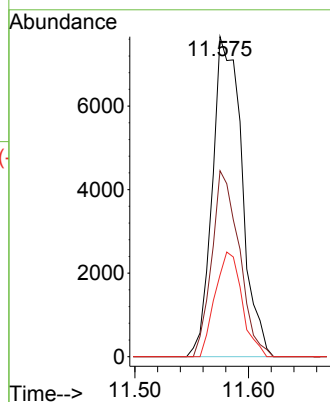
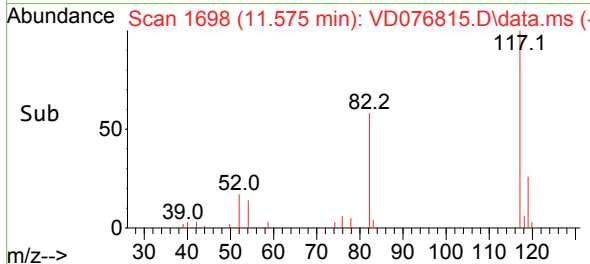


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.575 min Scan# 117
Delta R.T. -0.006 min
Lab File: VD076815.D
Acq: 26 Jul 2023 19:37

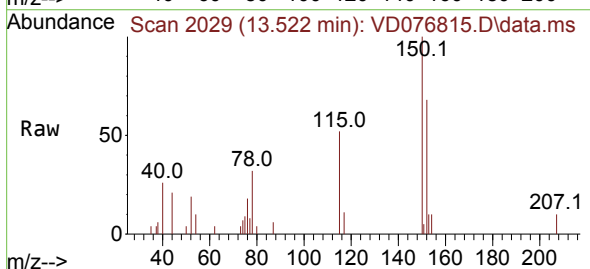
Instrument :
MSVOA_D
ClientSampleId :



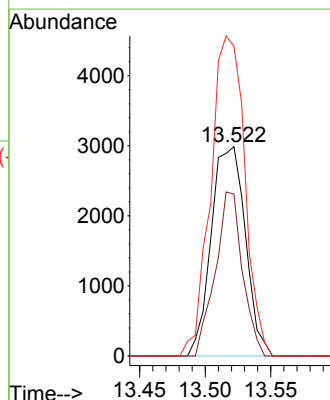
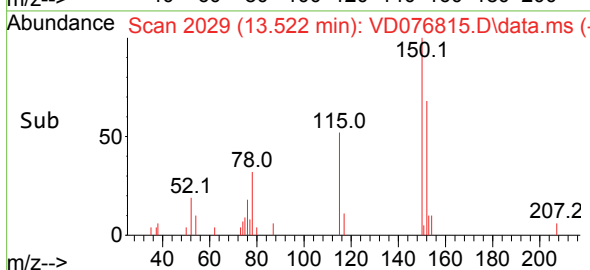
Tgt Ion:117 Resp: 13797
Ion Ratio Lower Upper
117 100
82 58.1 38.3 57.5#
119 25.6 25.0 37.4

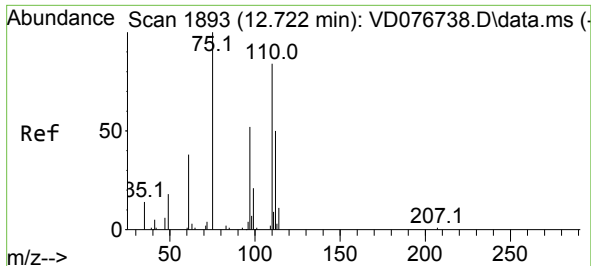


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.522 min Scan# 2029
Delta R.T. -0.000 min
Lab File: VD076815.D
Acq: 26 Jul 2023 19:37



Tgt Ion:152 Resp: 5401
Ion Ratio Lower Upper
152 100
115 62.5 27.1 81.3
150 152.7 0.0 353.6

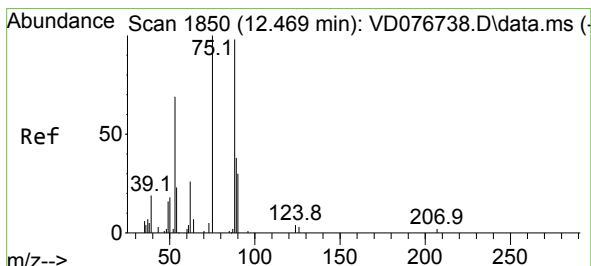
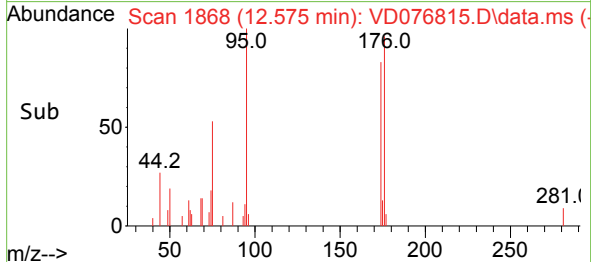
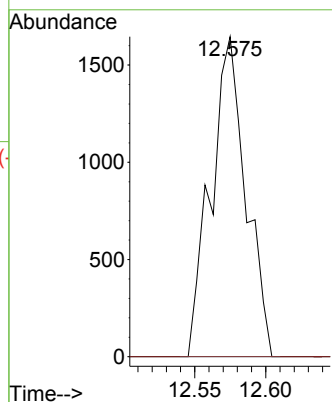
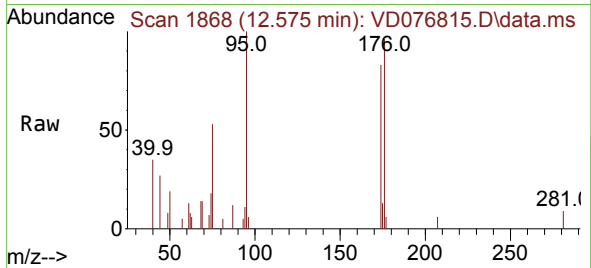




#76
1,2,3-Trichloropropane
Concen: 54.865 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.147 min
Lab File: VD076815.D
Acq: 26 Jul 2023 19:37

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 2818
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#81
trans-1,4-Dichloro-2-butene
Concen: 116.766 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD076815.D
Acq: 26 Jul 2023 19:37

Tgt Ion: 75 Resp: 2818
Ion Ratio Lower Upper
75 100
53 0.0 63.0 94.4#
89 0.0 37.9 56.9#

