

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD091923\
 Data File : VD077152.D
 Acq On : 19 Sep 2023 17:55
 Operator : JC/SY
 Sample : 04479-05
 Misc : 5.01G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 1029

Quant Time: Sep 20 02:04:30 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)

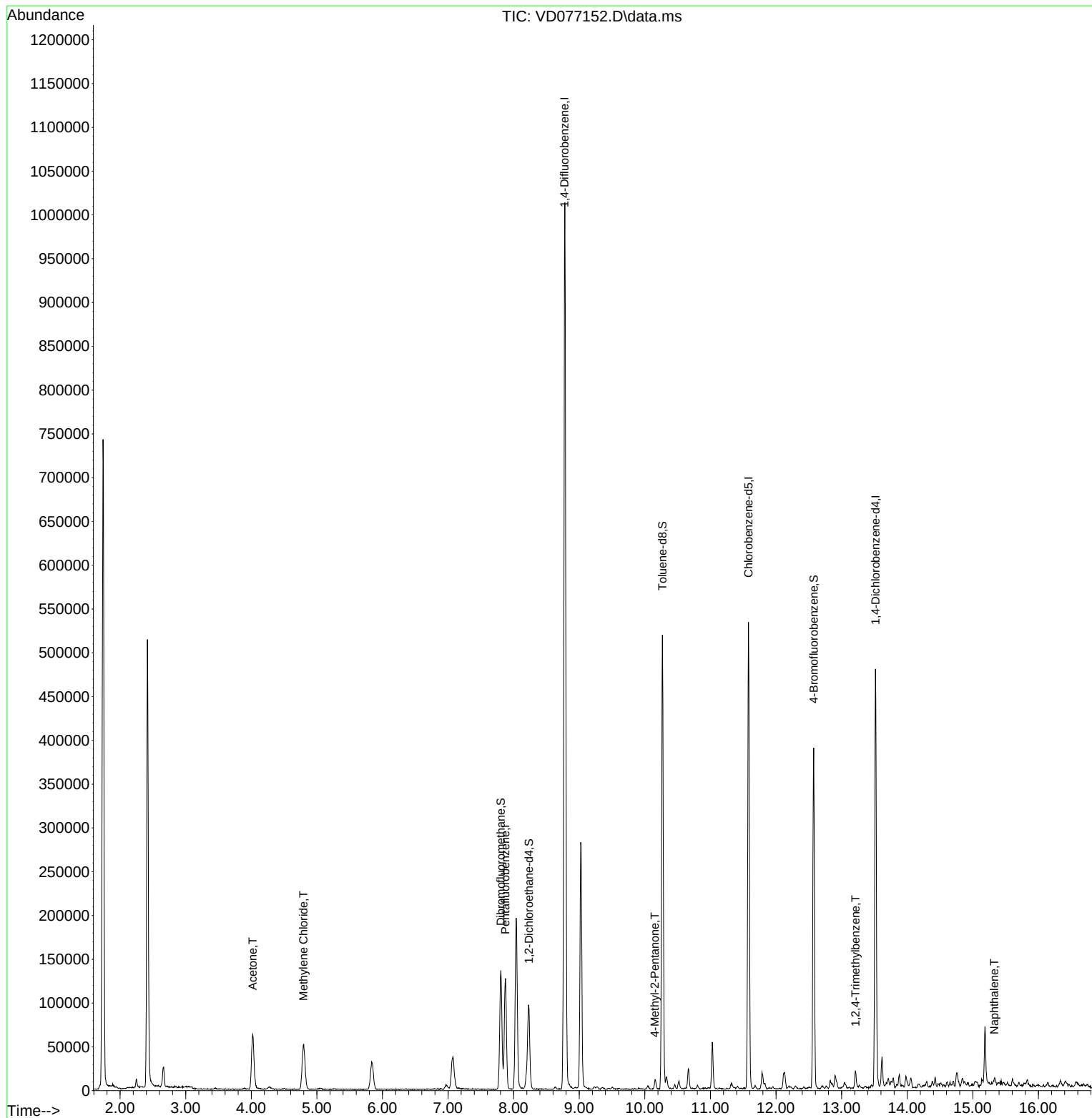
Internal Standards						
1) Pentafluorobenzene	7.875	168	100481	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	314016	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	319146	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	134155	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	70133	69.160	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	138.320%
35) Dibromofluoromethane	7.804	113	99191	45.477	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	90.960%
50) Toluene-d8	10.269	98	363614	46.836	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	93.680%
62) 4-Bromofluorobenzene	12.575	95	118182	49.114	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	98.220%
Target Compounds						
						Qvalue
16) Acetone	4.022	43	106993	461.639	ug/l #	80
20) Methylene Chloride	4.793	84	41346	24.341	ug/l #	91
51) 4-Methyl-2-Pentanone	10.151	43	7171	5.909	ug/l #	85
84) 1,2,4-Trimethylbenzene	13.210	105	11914	1.419	ug/l	93
95) Naphthalene	15.328	128	5710	1.160	ug/l #	85

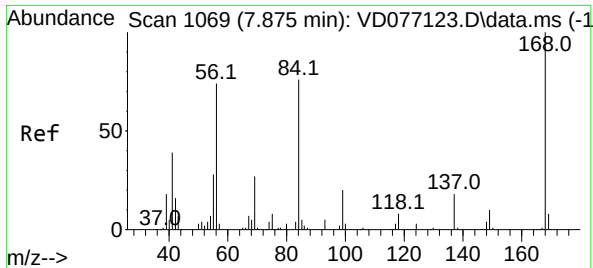
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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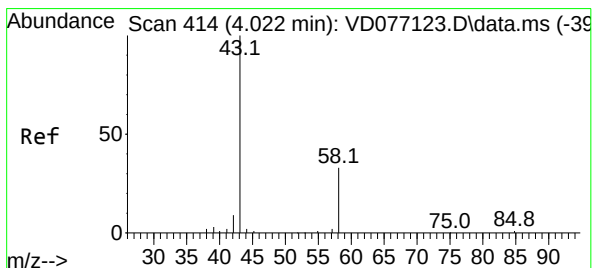
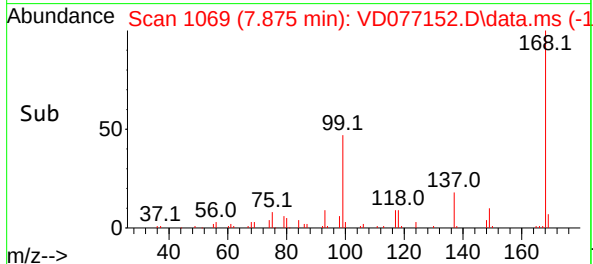
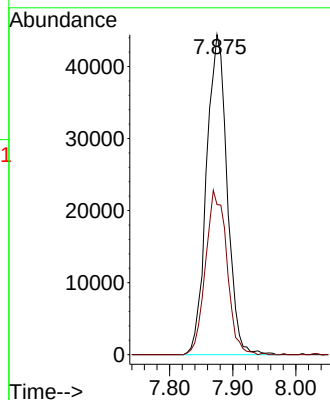
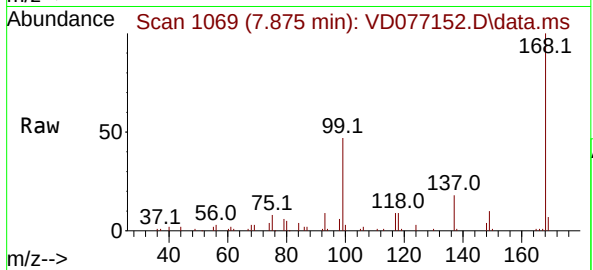




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD077152.D
Acq: 19 Sep 2023 17:55

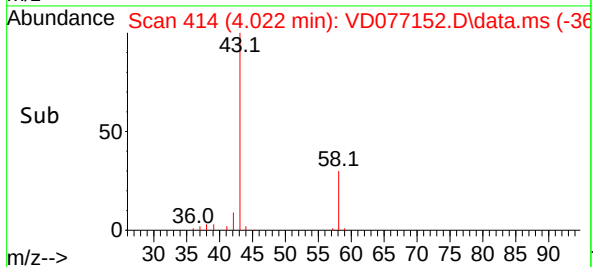
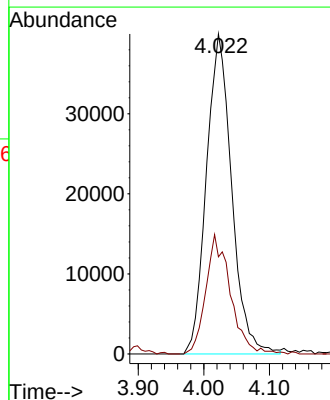
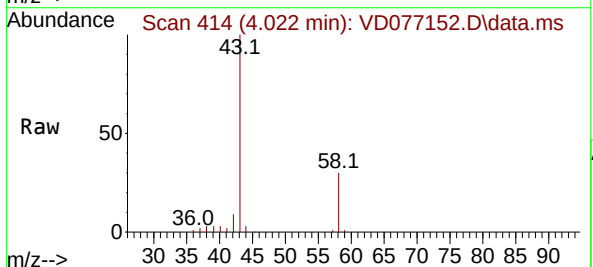
Instrument :
MSVOA_D
ClientSampleId :
1029

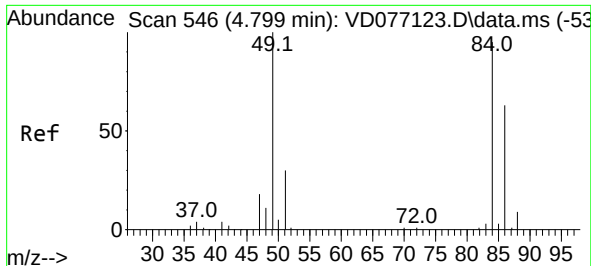
Tgt Ion:168 Resp: 100481
Ion Ratio Lower Upper
168 100
99 46.9 36.7 55.1



#16
Acetone
Concen: 461.639 ug/l
RT: 4.022 min Scan# 414
Delta R.T. 0.000 min
Lab File: VD077152.D
Acq: 19 Sep 2023 17:55

Tgt Ion: 43 Resp: 106993
Ion Ratio Lower Upper
43 100
58 30.4 34.7 52.1#

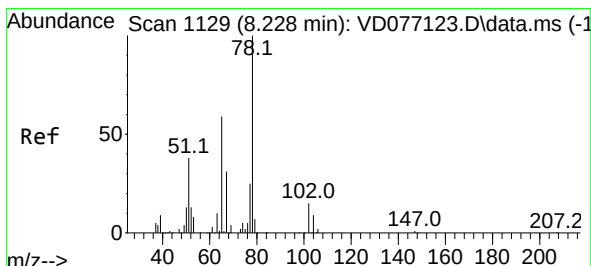
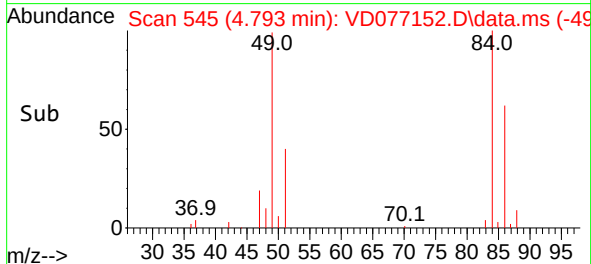
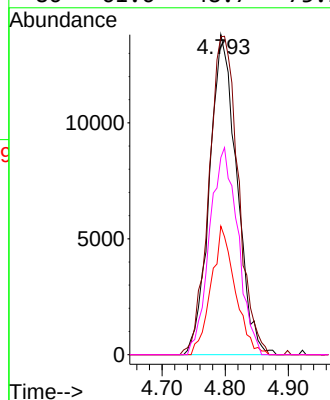
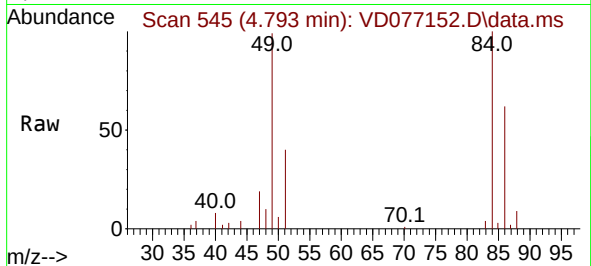




#20
Methylene Chloride
Concen: 24.341 ug/l
RT: 4.793 min Scan# 54
Delta R.T. -0.006 min
Lab File: VD077152.D
Acq: 19 Sep 2023 17:55

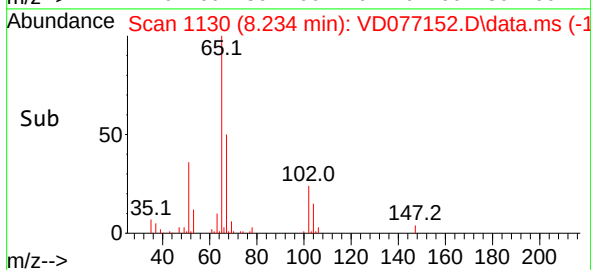
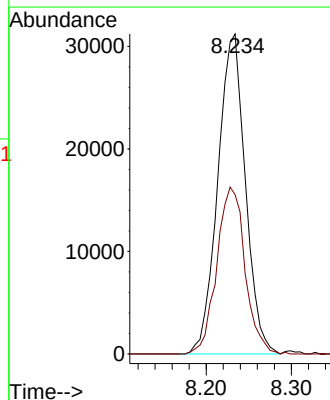
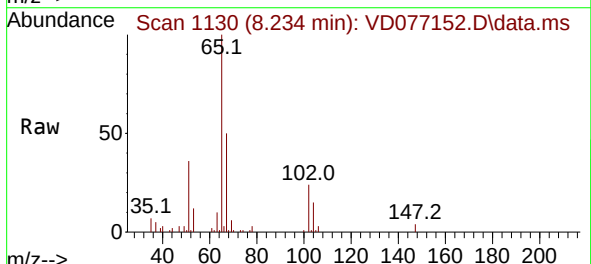
Instrument :
MSVOA_D
ClientSampleId :
1029

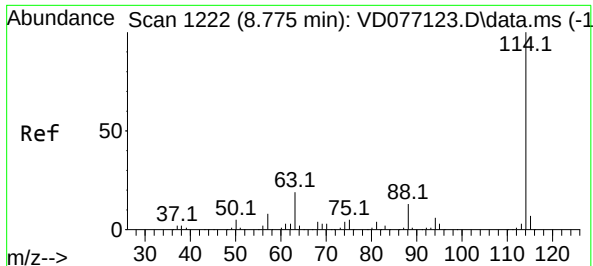
Tgt Ion:	84	Resp:	41346
Ion	Ratio	Lower	Upper
84	100		
49	99.4	71.4	107.2
51	40.1	24.5	36.7#
86	61.6	48.7	73.1



#33
1,2-Dichloroethane-d4
Concen: 69.160 ug/l
RT: 8.234 min Scan# 1130
Delta R.T. 0.006 min
Lab File: VD077152.D
Acq: 19 Sep 2023 17:55

Tgt Ion:	65	Resp:	70133
Ion	Ratio	Lower	Upper
65	100		
67	53.4	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: VD077152.D

Acq: 19 Sep 2023 17:55

Instrument :

MSVOA_D

ClientSampleId :

1029

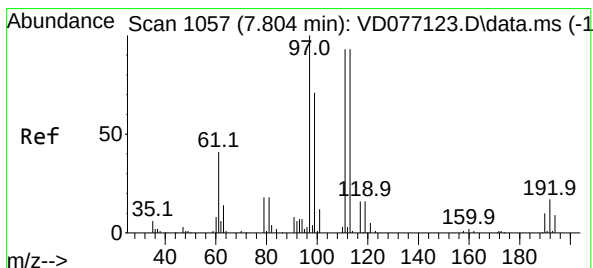
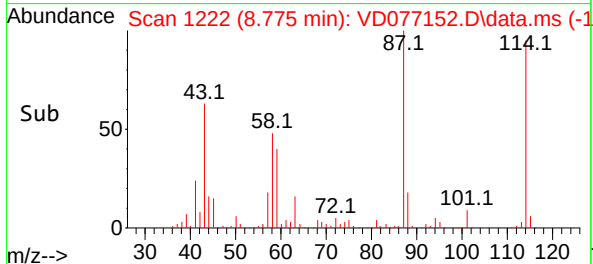
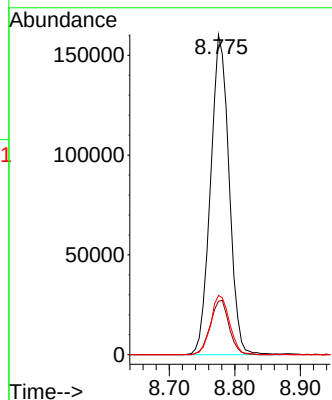
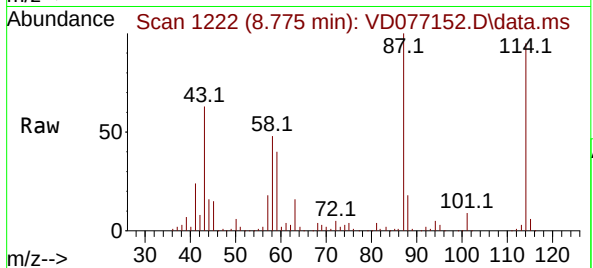
Tgt Ion:114 Resp: 314016

Ion Ratio Lower Upper

114 100

63 16.7 0.0 33.4

88 18.5 0.0 26.2



#35

Dibromofluoromethane

Concen: 45.477 ug/l

RT: 7.804 min Scan# 1057

Delta R.T. 0.000 min

Lab File: VD077152.D

Acq: 19 Sep 2023 17:55

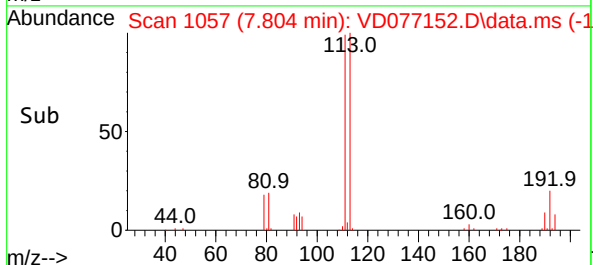
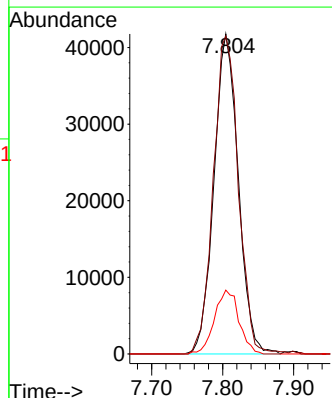
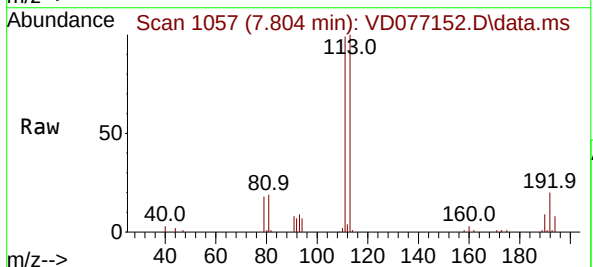
Tgt Ion:113 Resp: 99191

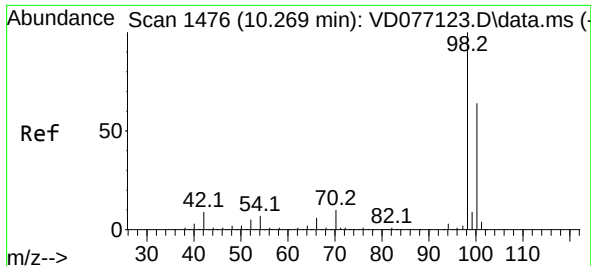
Ion Ratio Lower Upper

113 100

111 102.2 84.7 127.1

192 20.1 16.8 25.2

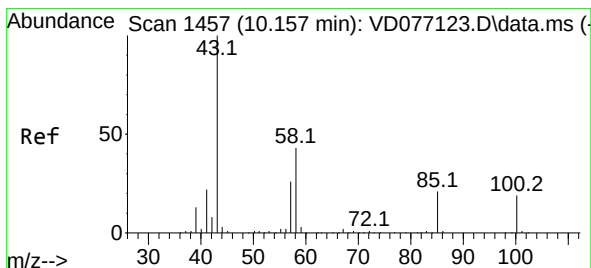
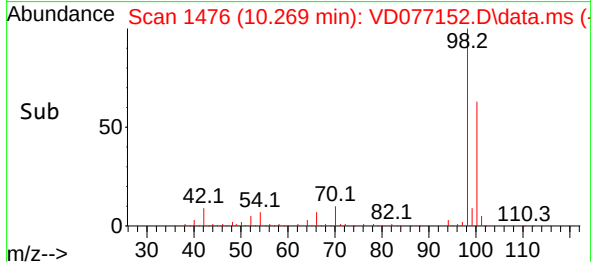
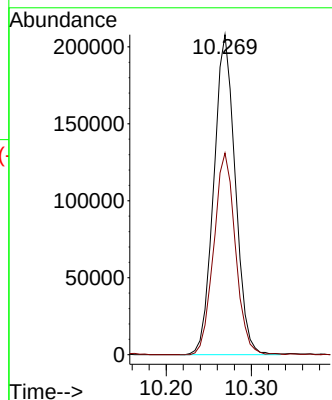
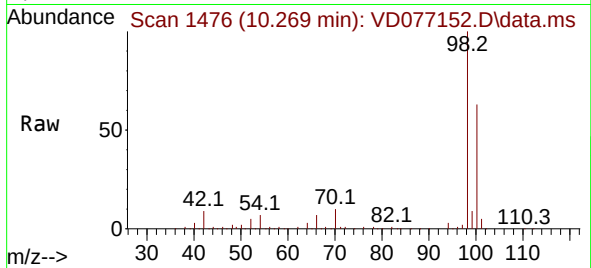




#50
Toluene-d8
Concen: 46.836 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD077152.D
Acq: 19 Sep 2023 17:55

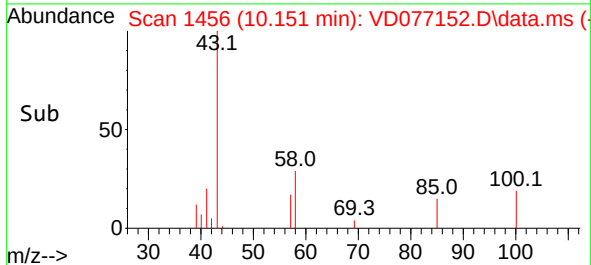
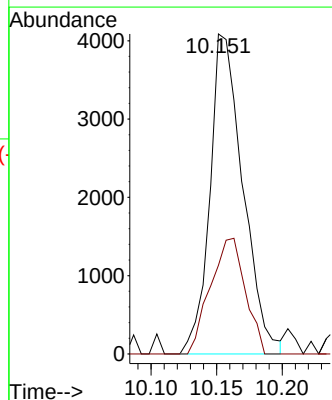
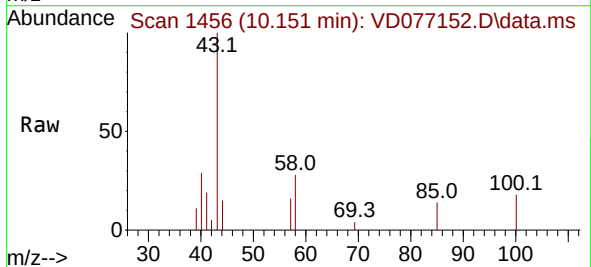
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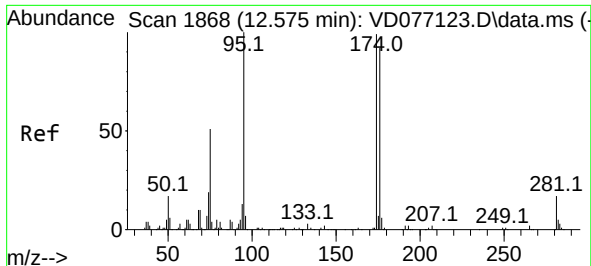
Tgt Ion: 98 Resp: 363614
Ion Ratio Lower Upper
98 100
100 63.5 50.3 75.5



#51
4-Methyl-2-Pentanone
Concen: 5.909 ug/l
RT: 10.151 min Scan# 1456
Delta R.T. -0.006 min
Lab File: VD077152.D
Acq: 19 Sep 2023 17:55

Tgt Ion: 43 Resp: 7171
Ion Ratio Lower Upper
43 100
58 38.1 38.9 58.3#

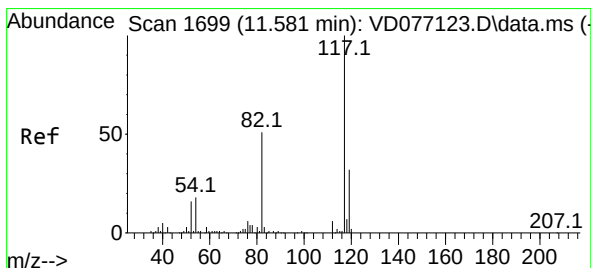
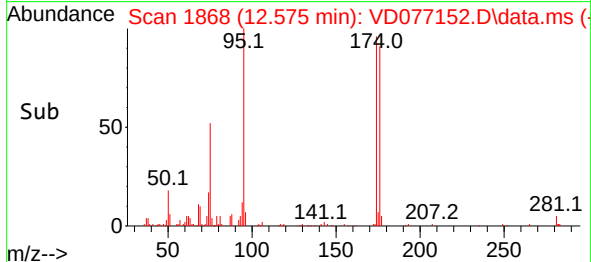
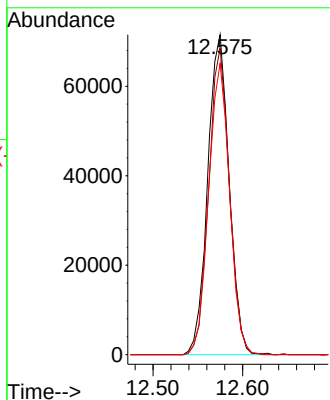
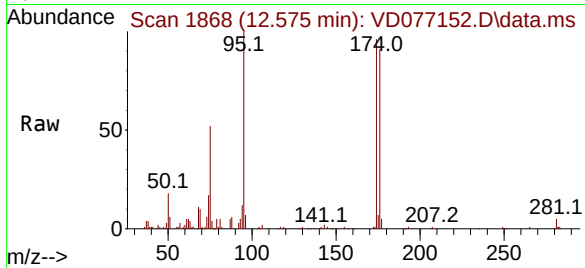




#62
4-Bromofluorobenzene
Concen: 49.114 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.000 min
Lab File: VD077152.D
Acq: 19 Sep 2023 17:55

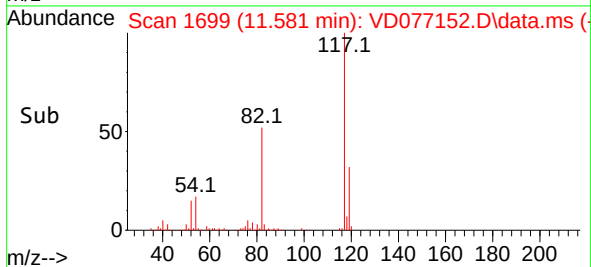
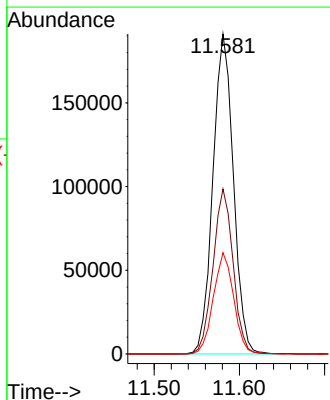
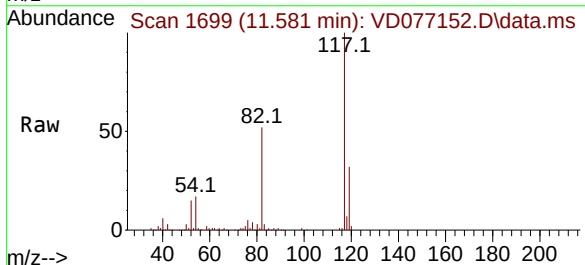
Instrument :
MSVOA_D
ClientSampleId :
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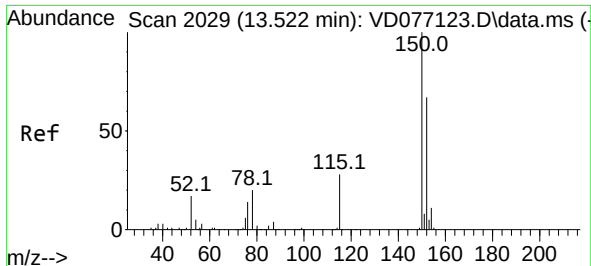
Tgt Ion: 95 Resp: 118182
Ion Ratio Lower Upper
95 100
174 93.3 0.0 201.8
176 89.2 0.0 191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. 0.000 min
Lab File: VD077152.D
Acq: 19 Sep 2023 17:55

Tgt Ion: 117 Resp: 319146
Ion Ratio Lower Upper
117 100
82 51.6 38.3 57.5
119 31.7 25.0 37.4

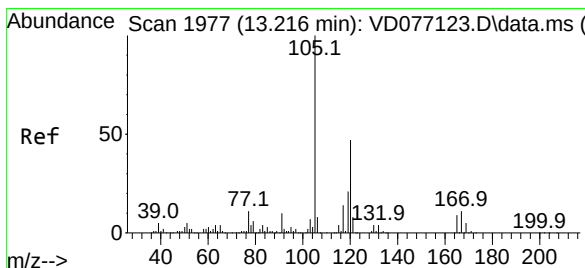
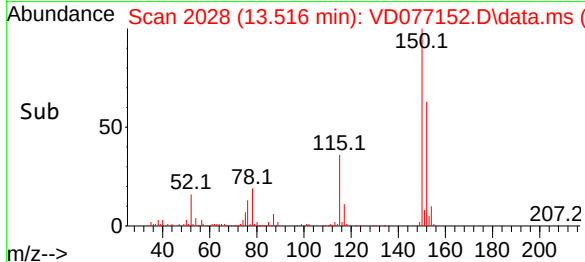
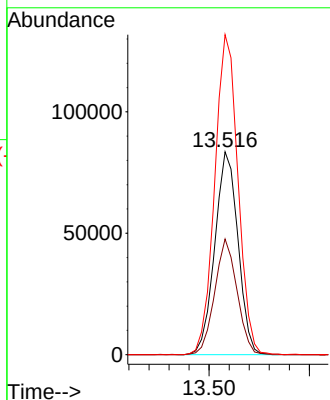
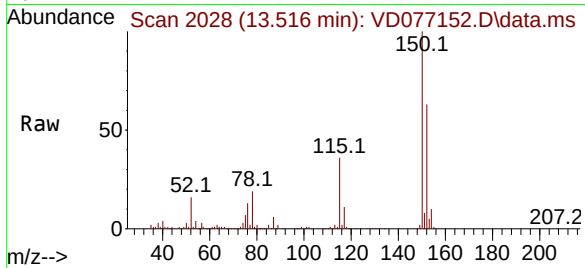




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2029
Delta R.T. -0.006 min
Lab File: VD077152.D
Acq: 19 Sep 2023 17:55

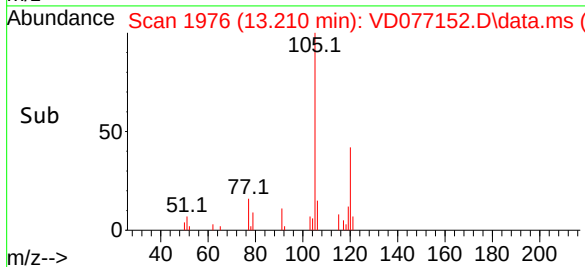
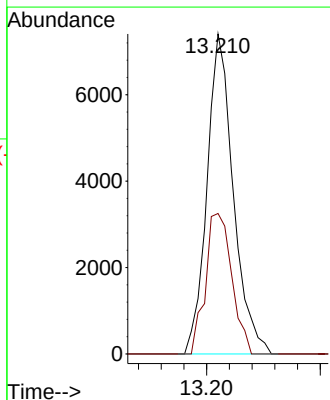
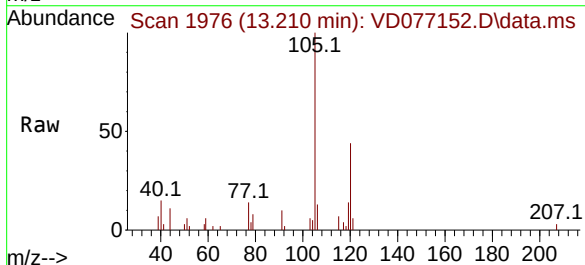
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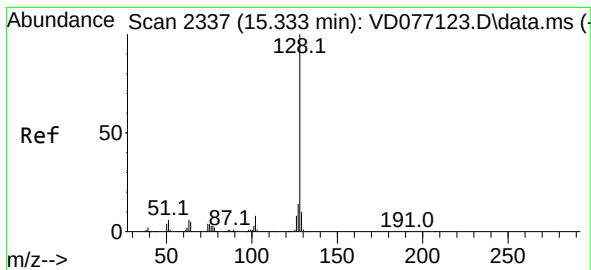
Tgt Ion:152 Resp: 134155
Ion Ratio Lower Upper
152 100
115 55.0 27.1 81.3
150 157.9 0.0 353.6



#84
1,2,4-Trimethylbenzene
Concen: 1.419 ug/l
RT: 13.210 min Scan# 1976
Delta R.T. -0.006 min
Lab File: VD077152.D
Acq: 19 Sep 2023 17:55

Tgt Ion:105 Resp: 11914
Ion Ratio Lower Upper
105 100
120 43.7 24.3 72.9





#95

Naphthalene

Concen: 1.160 ug/l

RT: 15.328 min Scan# 21

Delta R.T. -0.006 min

Lab File: VD077152.D

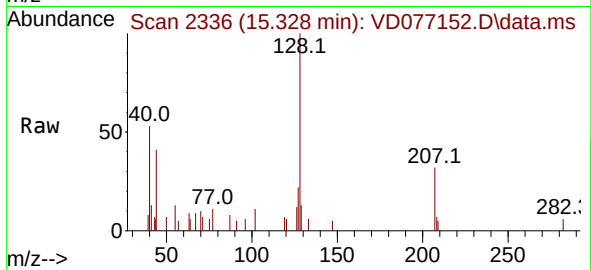
Acq: 19 Sep 2023 17:55

Instrument :

MSVOA_D

ClientSampleId :

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Tgt Ion:	128	Resp:	5710
Ion	Ratio	Lower	Upper
128	100		
127	22.4	10.5	15.7#
129	13.0	8.7	13.1

