

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD080524\
 Data File : VD079591.D
 Acq On : 05 Aug 2024 20:01
 Operator : RP/MD
 Sample : P3448-09
 Misc : 5.28G/5.0ml/MSVOA_D/SOIL/A
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 06 02:50:05 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D072924S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 30 03:50:47 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	126424	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	258955	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	175560	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	51056	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	81443	63.412	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 126.820%			
35) Dibromofluoromethane	7.804	113	84345	48.122	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 96.240%			
50) Toluene-d8	10.269	98	230011	33.793	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 67.580%			
62) 4-Bromofluorobenzene	12.569	95	43830	22.253	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 44.500%			
Target Compounds						
					Qvalue	
5) Bromomethane	2.705	94	76	Below Cal	#	1
11) Tert butyl alcohol	5.058	59	56	Below Cal	#	86
13) Acrolein	3.840	56	60	Below Cal	#	15
16) Acetone	4.022	43	3401	13.626	ug/l	98
17) Carbon Disulfide	4.263	76	5333	1.183	ug/l	# 90
18) Methyl Acetate	4.569	43	3496	4.511	ug/l	# 60
20) Methylene Chloride	4.799	84	23343	Below Cal		94
25) 2-Butanone	7.081	43	1051	2.970	ug/l	95
31) Cyclohexane	7.881	56	3020	1.416	ug/l	# 53
36) 1,1-Dichloropropene	7.869	75	10227	4.275	ug/l	# 49
38) Carbon Tetrachloride	7.875	117	11914	4.737	ug/l	# 19
74) N-amyl acetate	12.210	43	788	1.049	ug/l	# 50
76) 1,2,3-Trichloropropane	12.569	75	21989	49.272	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.569	75	21989	93.975	ug/l	# 19
83) tert-Butylbenzene	13.169	119	482	3.790	ug/l	# 31
84) 1,2,4-Trimethylbenzene	13.210	105	962	3.709	ug/l	# 38
86) p-Isopropyltoluene	13.457	119	148	3.925	ug/l	# 1
89) n-Butylbenzene	13.786	91	710	3.981	ug/l	# 88
93) 1,2,4-Trichlorobenzene	15.098	180	1932	2.023	ug/l	# 1
96) 1,2,3-Trichlorobenzene	15.539	180	1932	2.300	ug/l	# 34

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

Instrument :

MSVOA D

ClientSampleId :

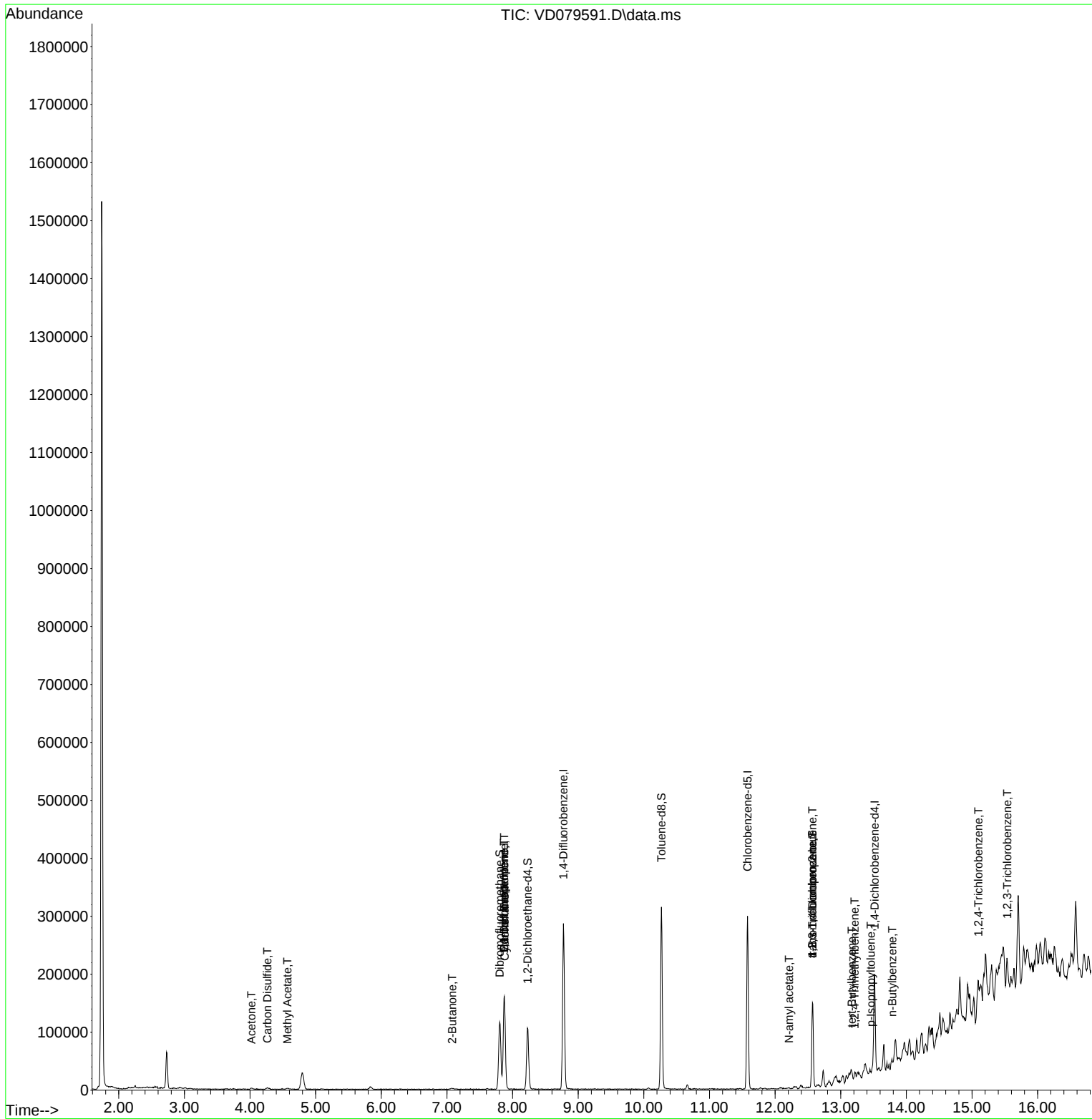
Quant Time: Aug 06 02:50:05 2024

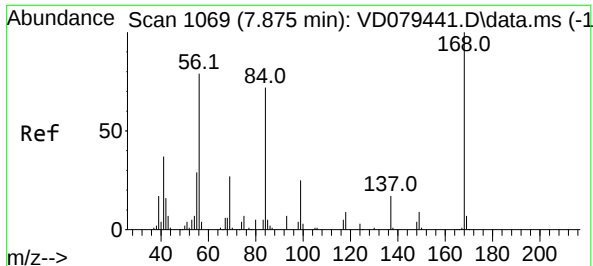
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D072924S.M

Quant Title : SW846 8260

QLast Update : Tue Jul 30 03:50:47 2024

Response via : Initial Calibration

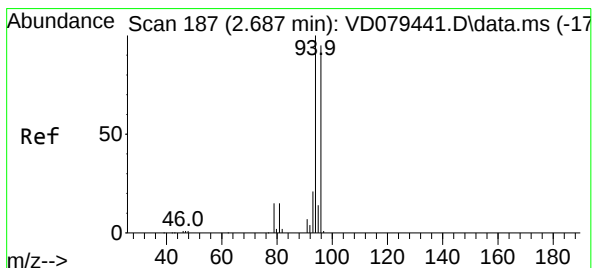
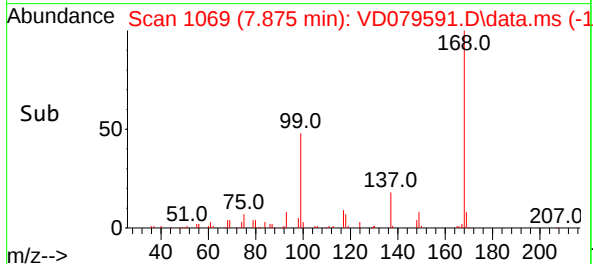
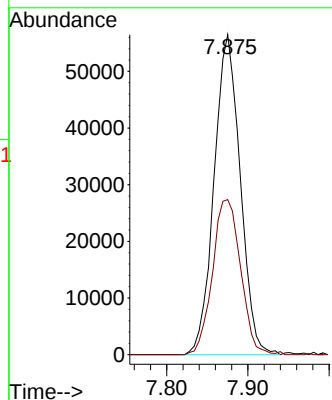
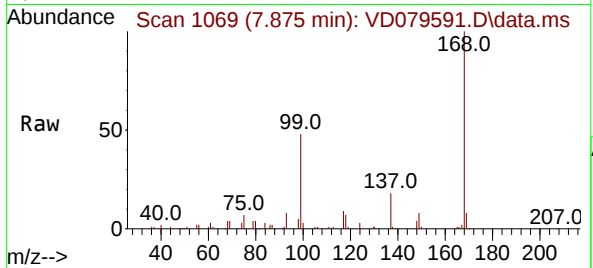




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD079591.D
Acq: 05 Aug 2024 20:01

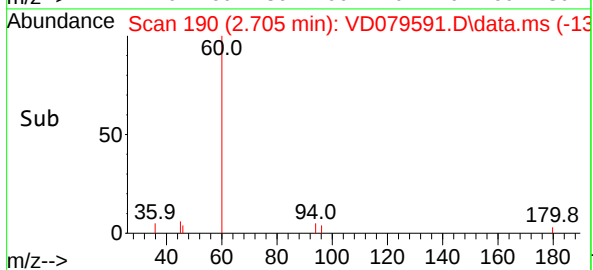
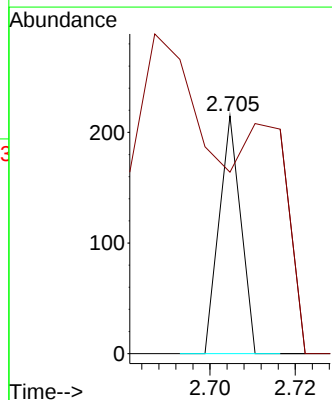
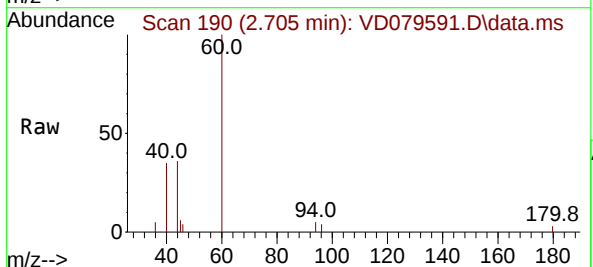
Instrument :
MSVOA_D
ClientSampleId :

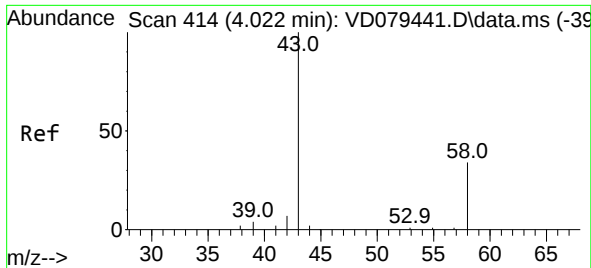
Tgt Ion:168 Resp: 126424
Ion Ratio Lower Upper
168 100
99 48.5 41.1 61.7



#5
Bromomethane
Concen: Below Cal
RT: 2.705 min Scan# 190
Delta R.T. 0.018 min
Lab File: VD079591.D
Acq: 05 Aug 2024 20:01

Tgt Ion: 94 Resp: 76
Ion Ratio Lower Upper
94 100
96 688.2 76.9 115.3#

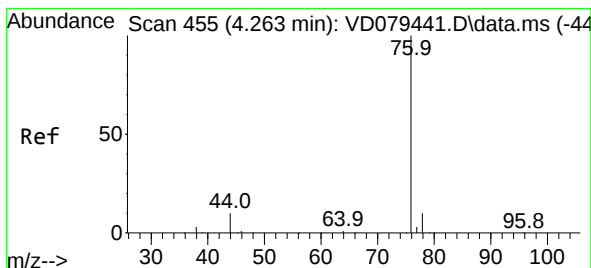
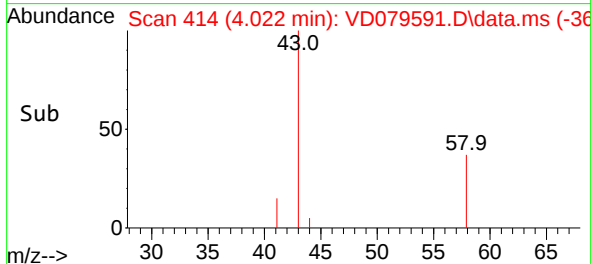
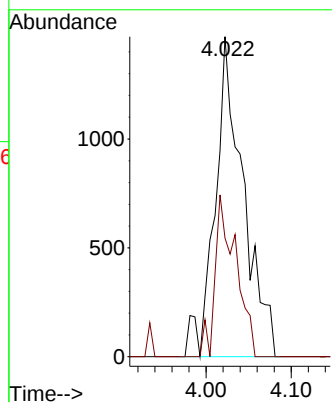
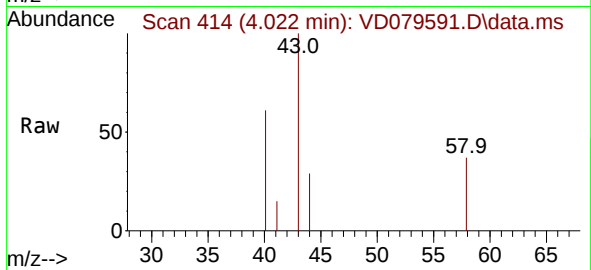




#16
Acetone
Concen: 13.626 ug/l
RT: 4.022 min Scan# 414
Delta R.T. -0.000 min
Lab File: VD079591.D
Acq: 05 Aug 2024 20:01

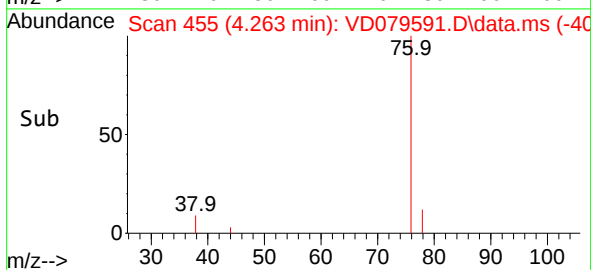
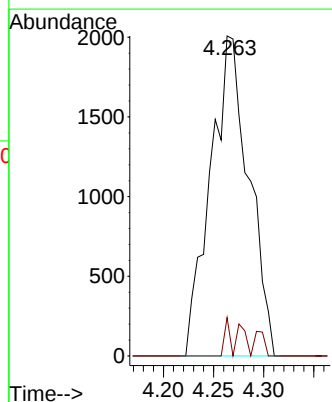
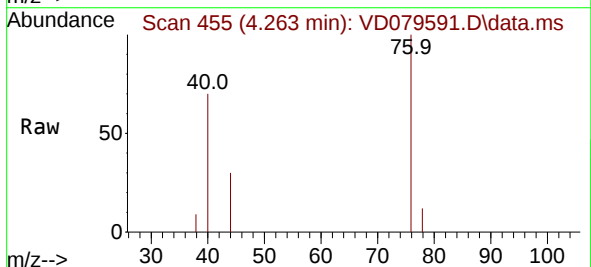
Instrument :
MSVOA_D
ClientSampleId :

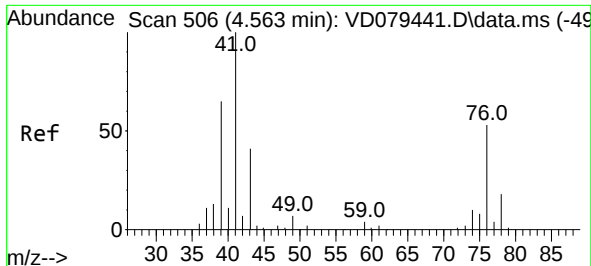
Tgt Ion: 43 Resp: 3401
Ion Ratio Lower Upper
43 100
58 37.1 30.4 45.6



#17
Carbon Disulfide
Concen: 1.183 ug/l
RT: 4.263 min Scan# 455
Delta R.T. -0.000 min
Lab File: VD079591.D
Acq: 05 Aug 2024 20:01

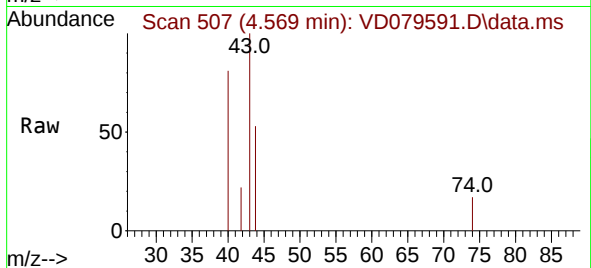
Tgt Ion: 76 Resp: 5333
Ion Ratio Lower Upper
76 100
78 12.0 6.9 10.3#



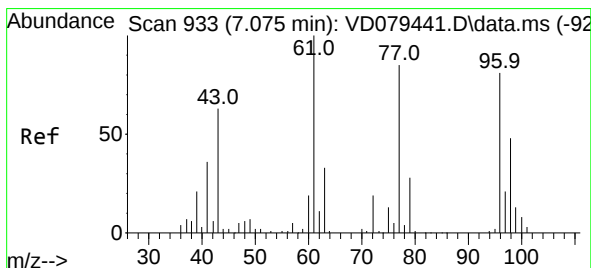
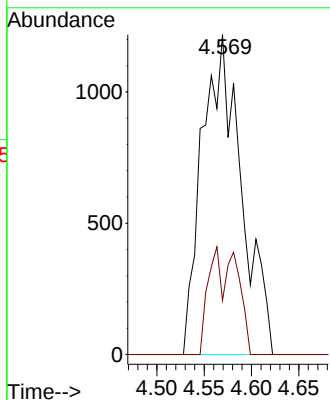
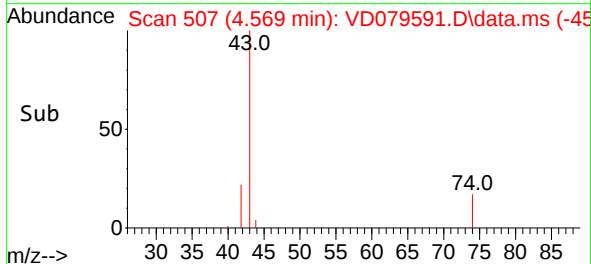


#18
Methyl Acetate
Concen: 4.511 ug/l
RT: 4.569 min Scan# 506
Delta R.T. -0.000 min
Lab File: VD079591.D
Acq: 05 Aug 2024 20:01

Instrument :
MSVOA_D
ClientSampleId :

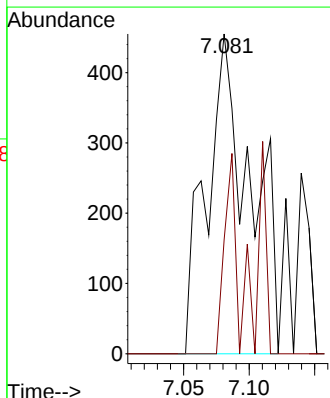
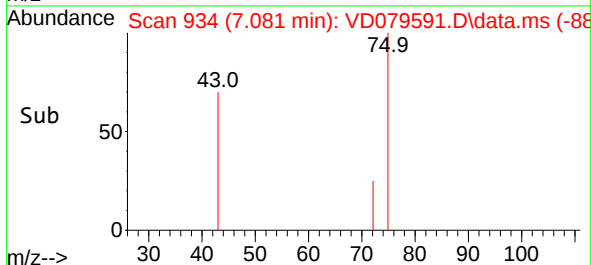
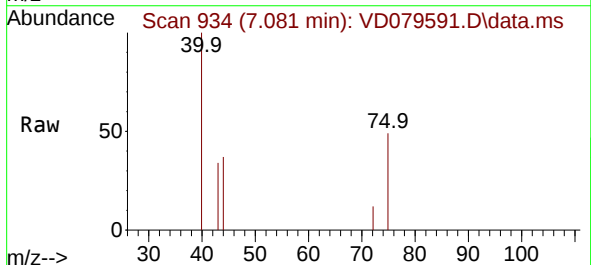


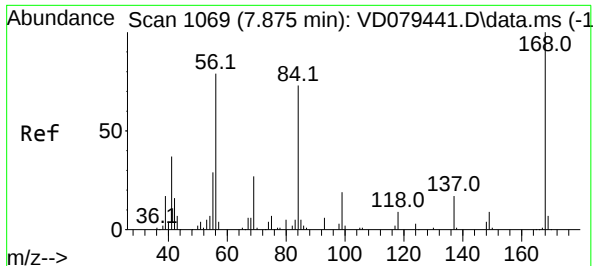
Tgt Ion: 43 Resp: 3496
Ion Ratio Lower Upper
43 100
74 12.0 28.1 42.1#



#25
2-Butanone
Concen: 2.970 ug/l
RT: 7.081 min Scan# 934
Delta R.T. -0.012 min
Lab File: VD079591.D
Acq: 05 Aug 2024 20:01

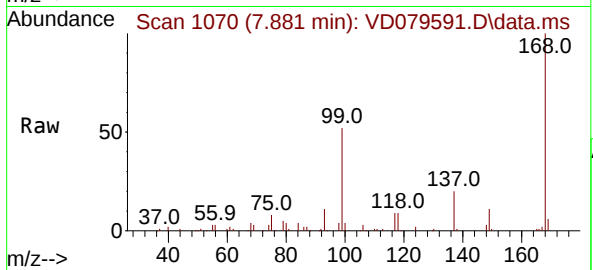
Tgt Ion: 43 Resp: 1051
Ion Ratio Lower Upper
43 100
72 35.6 26.4 39.6



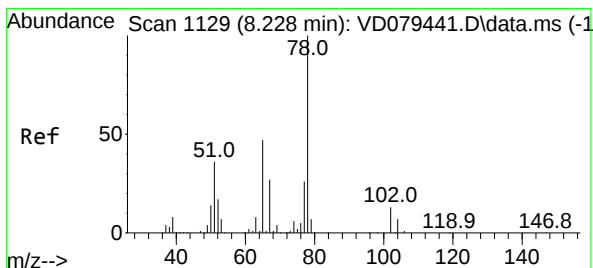
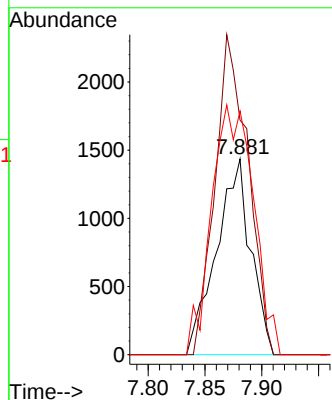
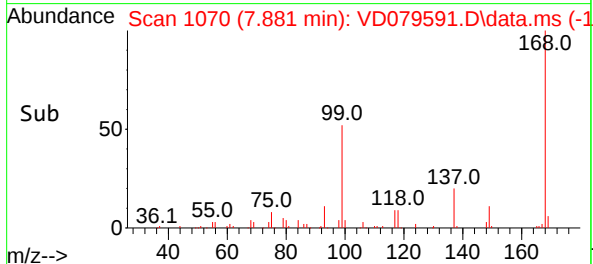


#31
Cyclohexane
Concen: 1.416 ug/l
RT: 7.881 min Scan# 1069
Delta R.T. -0.000 min
Lab File: VD079591.D
Acq: 05 Aug 2024 20:01

Instrument :
MSVOA_D
ClientSampleId :

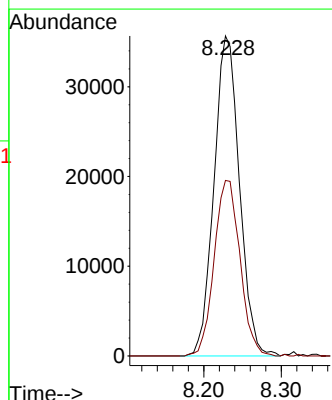
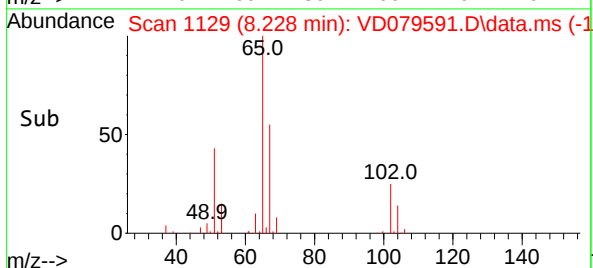
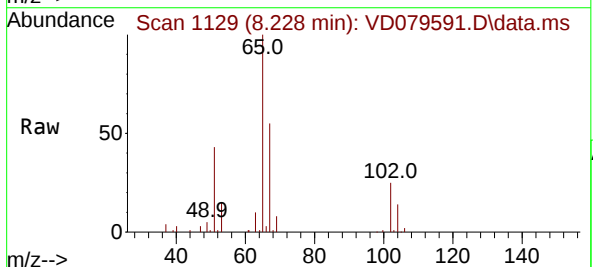


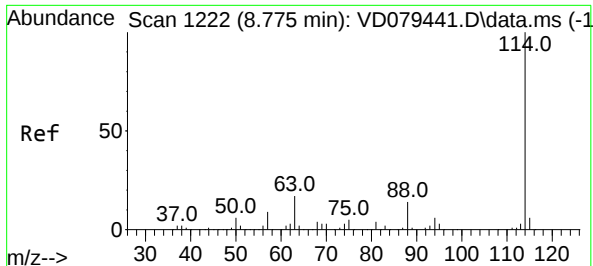
Tgt Ion: 56 Resp: 3020
Ion Ratio Lower Upper
56 100
69 119.9 28.0 42.0#
84 124.5 87.4 131.0



#33
1,2-Dichloroethane-d4
Concen: 63.412 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. -0.000 min
Lab File: VD079591.D
Acq: 05 Aug 2024 20:01

Tgt Ion: 65 Resp: 81443
Ion Ratio Lower Upper
65 100
67 55.6 0.0 111.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 11

Delta R.T. -0.000 min

Lab File: VD079591.D

Acq: 05 Aug 2024 20:01

Instrument :

MSVOA_D

ClientSampleId :

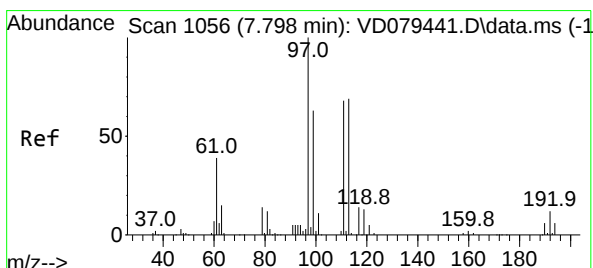
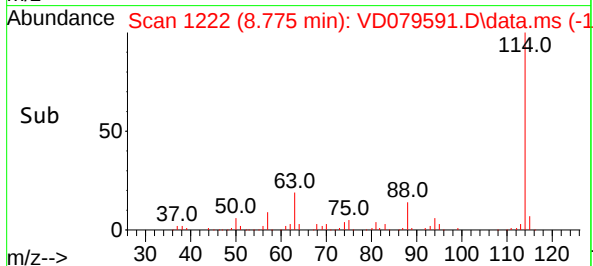
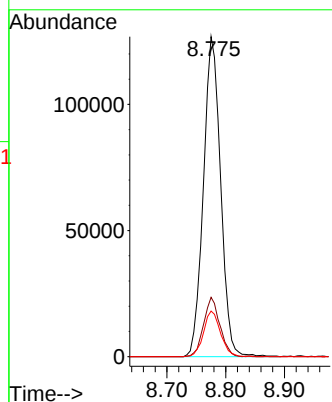
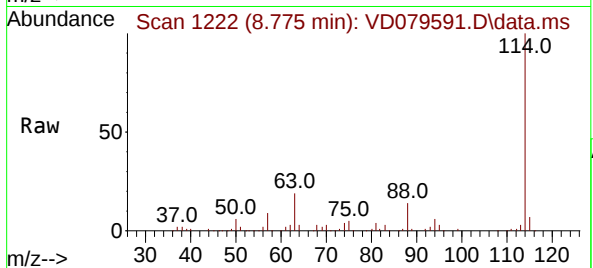
Tgt Ion:114 Resp: 258955

Ion Ratio Lower Upper

114 100

63 18.6 0.0 34.0

88 14.3 0.0 27.2



#35

Dibromofluoromethane

Concen: 48.122 ug/l

RT: 7.804 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VD079591.D

Acq: 05 Aug 2024 20:01

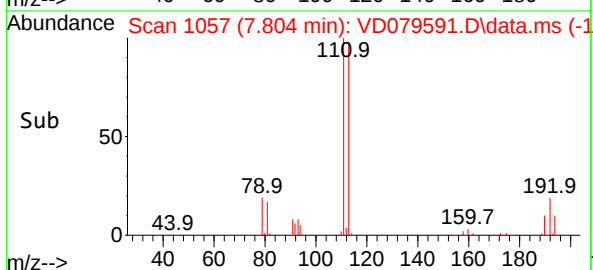
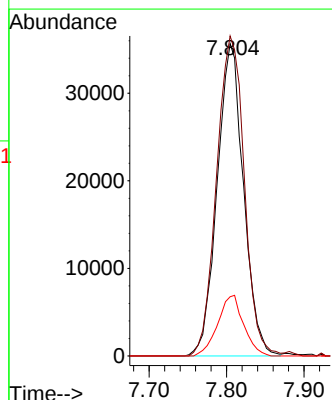
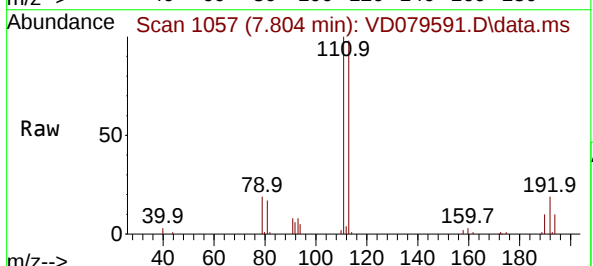
Tgt Ion:113 Resp: 84345

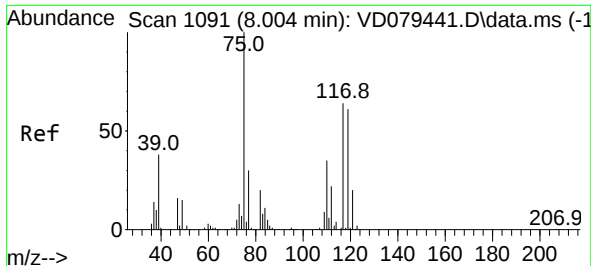
Ion Ratio Lower Upper

113 100

111 107.5 84.0 126.0

192 19.1 15.4 23.0





#36

1,1-Dichloropropene

Concen: 4.275 ug/l

RT: 7.869 min Scan# 1068

Delta R.T. -0.141 min

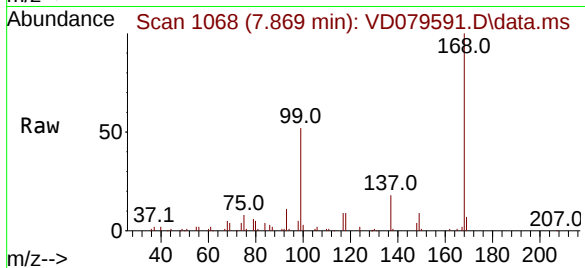
Lab File: VD079591.D

Acq: 05 Aug 2024 20:01

Instrument :

MSVOA_D

ClientSampleId :



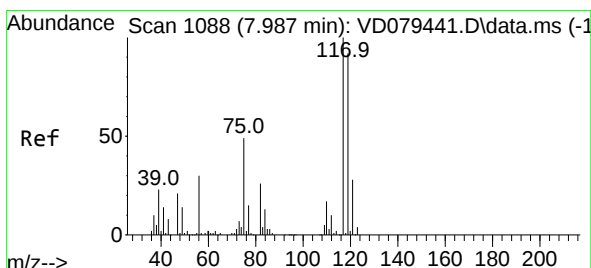
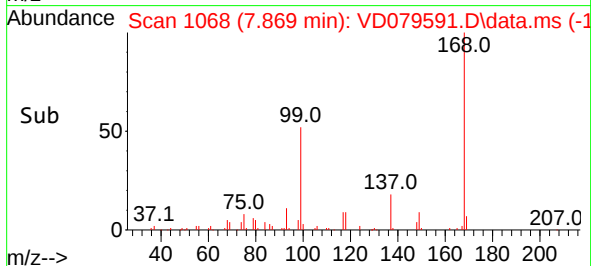
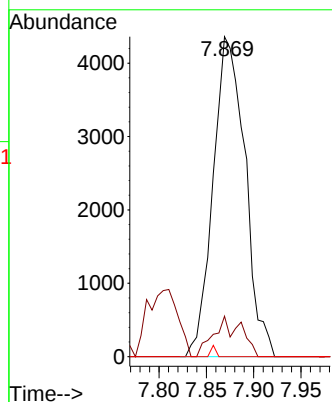
Tgt Ion: 75 Resp: 10227

Ion Ratio Lower Upper

75 100

110 10.8 19.6 58.7#

77 0.5 26.1 39.1#



#38

Carbon Tetrachloride

Concen: 4.737 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.112 min

Lab File: VD079591.D

Acq: 05 Aug 2024 20:01

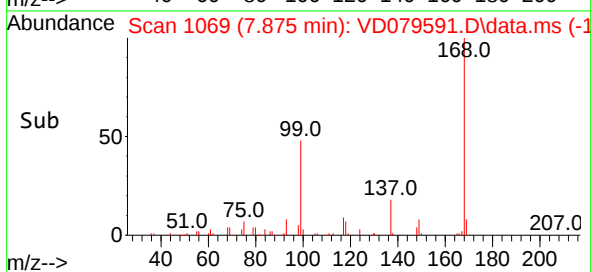
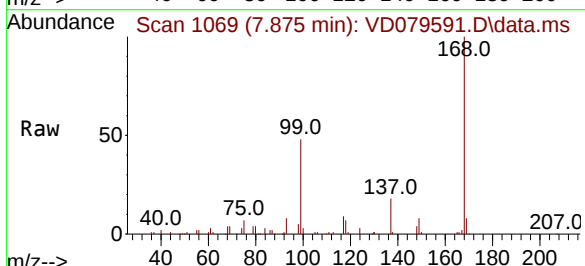
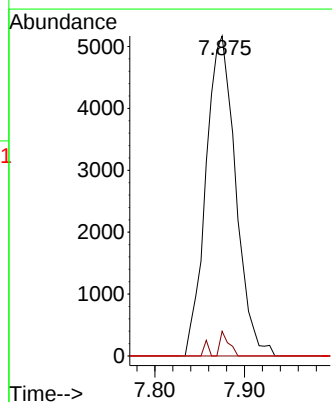
Tgt Ion: 117 Resp: 11914

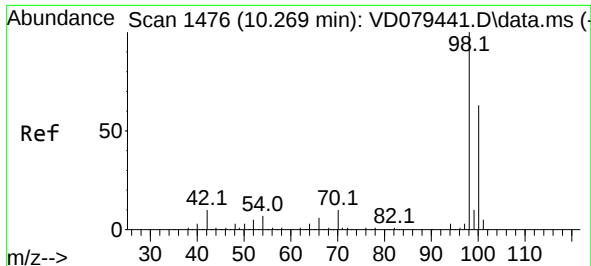
Ion Ratio Lower Upper

117 100

119 7.7 75.4 113.0#

121 0.0 25.0 37.4#

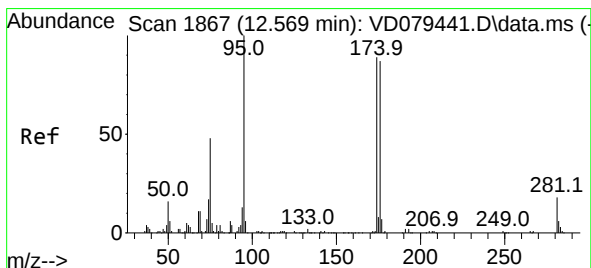
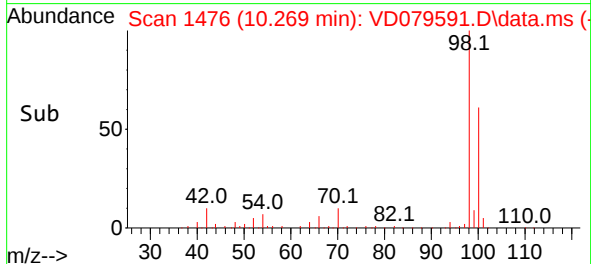
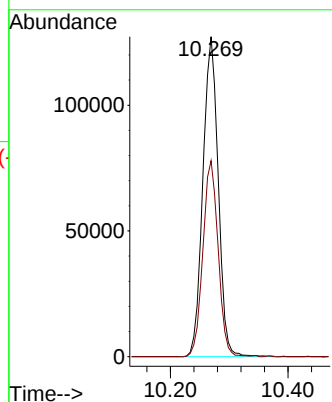
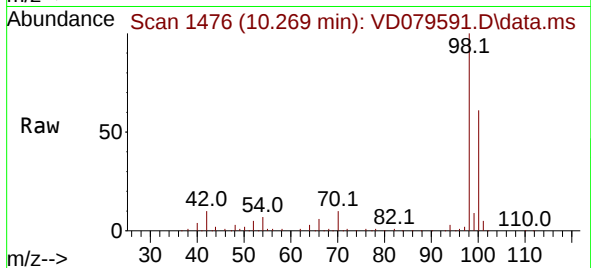




#50
Toluene-d8
Concen: 33.793 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.006 min
Lab File: VD079591.D
Acq: 05 Aug 2024 20:01

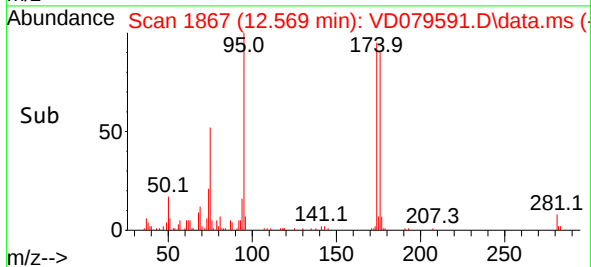
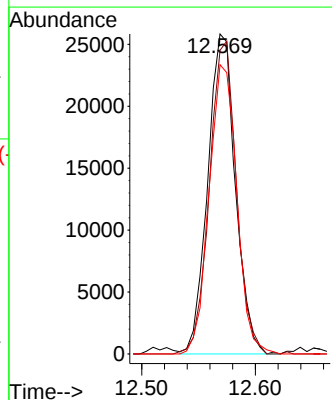
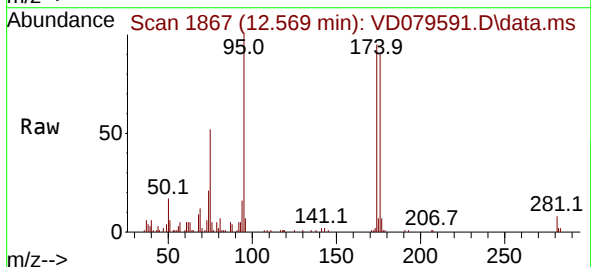
Instrument :
MSVOA_D
ClientSampleId :

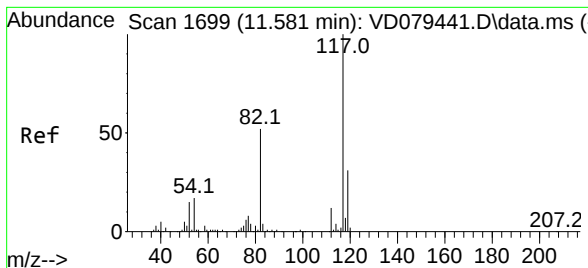
Tgt Ion: 98 Resp: 230011
Ion Ratio Lower Upper
98 100
100 60.8 51.6 77.4



#62
4-Bromofluorobenzene
Concen: 22.253 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.000 min
Lab File: VD079591.D
Acq: 05 Aug 2024 20:01

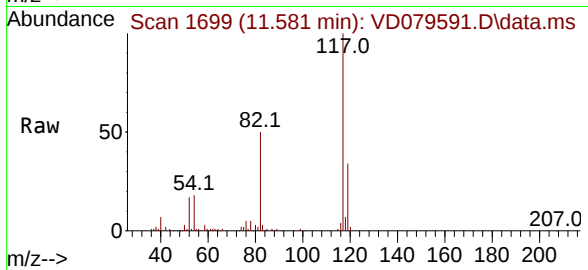
Tgt Ion: 95 Resp: 43830
Ion Ratio Lower Upper
95 100
174 94.8 0.0 195.4
176 90.4 0.0 192.6



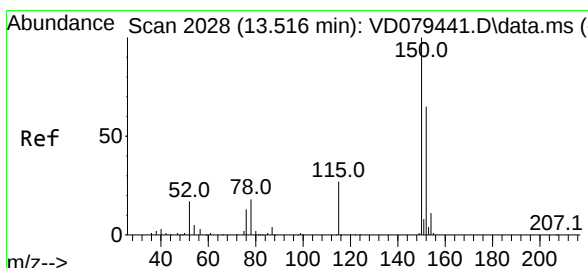
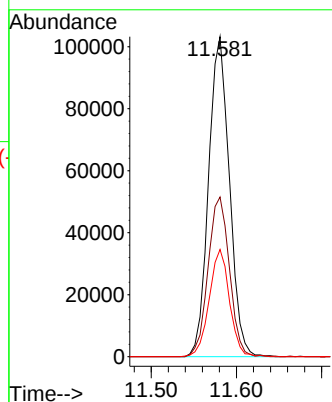
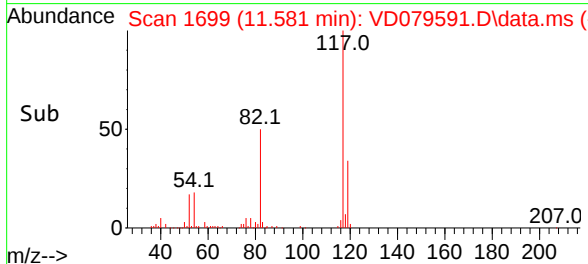


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 117
Delta R.T. -0.000 min
Lab File: VD079591.D
Acq: 05 Aug 2024 20:01

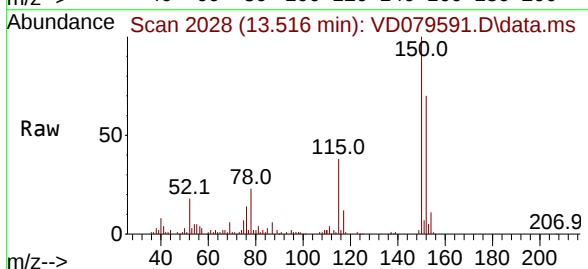
Instrument :
MSVOA_D
ClientSampleId :



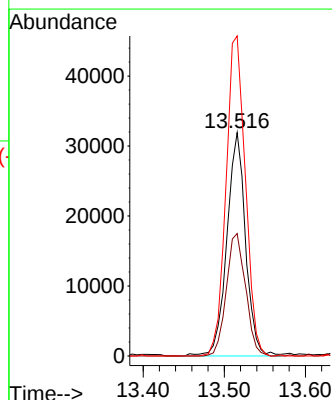
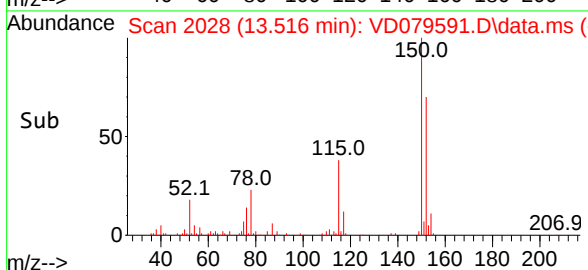
Tgt Ion:117 Resp: 175560
Ion Ratio Lower Upper
117 100
82 49.9 39.8 59.6
119 33.5 25.7 38.5

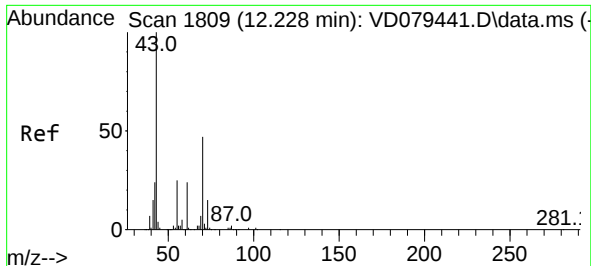


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. 0.006 min
Lab File: VD079591.D
Acq: 05 Aug 2024 20:01



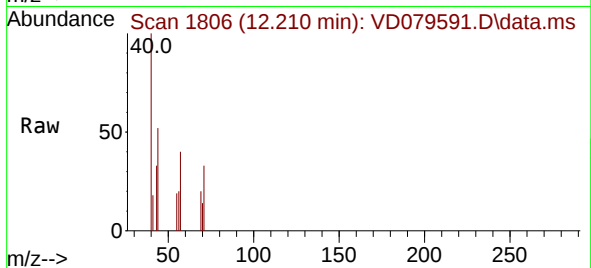
Tgt Ion:152 Resp: 51056
Ion Ratio Lower Upper
152 100
115 56.3 26.5 79.5
150 148.1 0.0 341.6



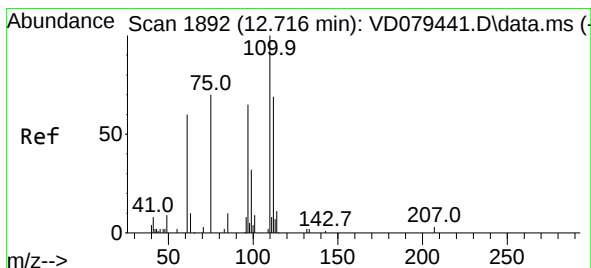
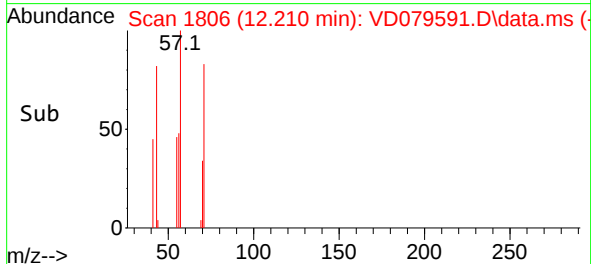
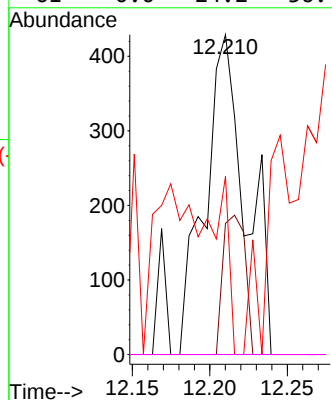


#74
N-amy1 acetate
Concen: 1.049 ug/l
RT: 12.210 min Scan# 1806
Delta R.T. -0.024 min
Lab File: VD079591.D
Acq: 05 Aug 2024 20:01

Instrument :
MSVOA_D
ClientSampleId :

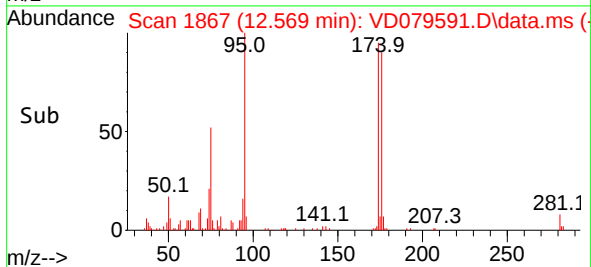
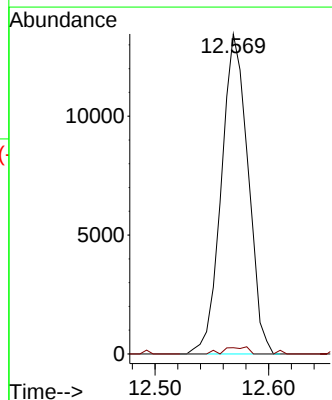
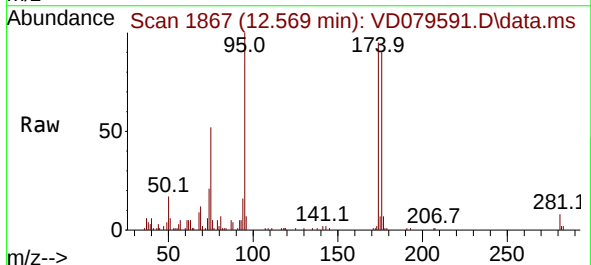


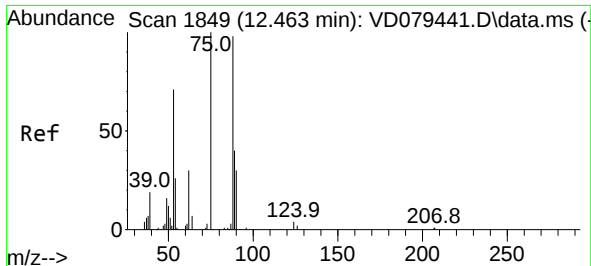
Tgt Ion: 43 Resp: 788
Ion Ratio Lower Upper
43 100
70 23.6 44.3 66.5#
55 0.0 23.2 34.8#
61 0.0 24.2 36.4#



#76
1,2,3-Trichloropropane
Concen: 49.272 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.153 min
Lab File: VD079591.D
Acq: 05 Aug 2024 20:01

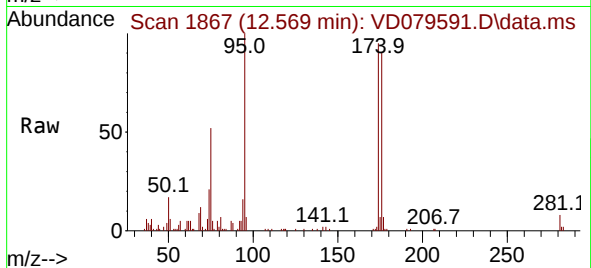
Tgt Ion: 75 Resp: 21989
Ion Ratio Lower Upper
75 100
77 1.9 0.0 0.0#



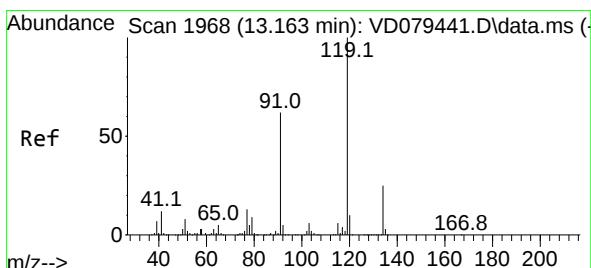
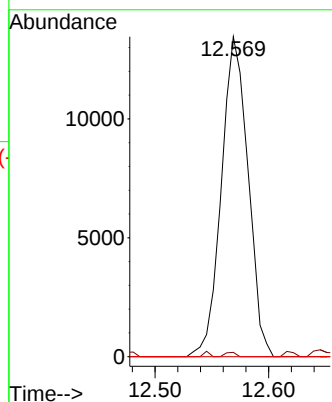
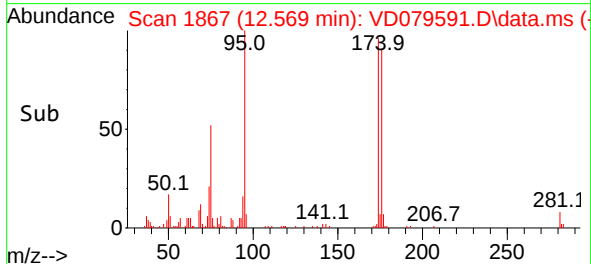


#81
trans-1,4-Dichloro-2-butene
Concen: 93.975 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. 0.100 min
Lab File: VD079591.D
Acq: 05 Aug 2024 20:01

Instrument :
MSVOA_D
ClientSampleId :

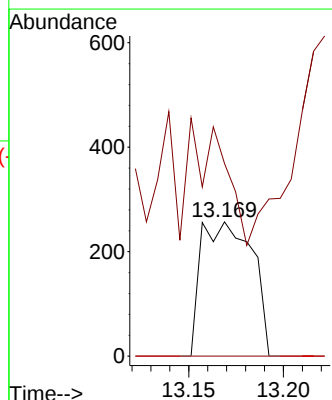
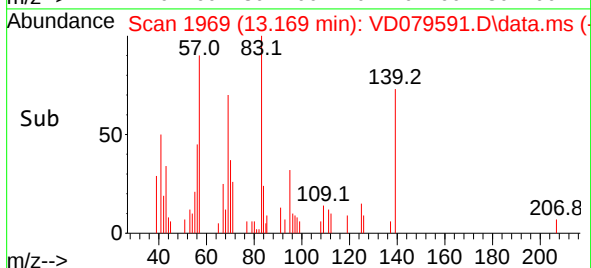
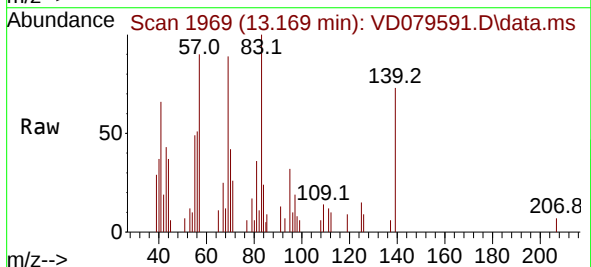


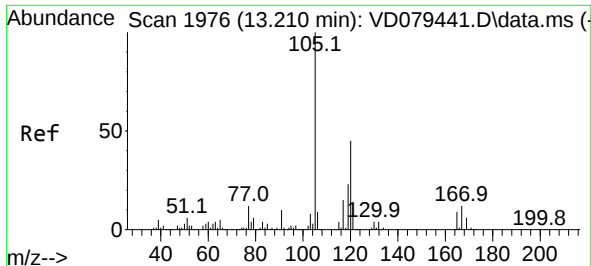
Tgt Ion: 75 Resp: 21989
Ion Ratio Lower Upper
75 100
53 0.6 61.4 92.2#
89 0.0 35.4 53.0#



#83
tert-Butylbenzene
Concen: 3.790 ug/l
RT: 13.169 min Scan# 1969
Delta R.T. 0.006 min
Lab File: VD079591.D
Acq: 05 Aug 2024 20:01

Tgt Ion: 119 Resp: 482
Ion Ratio Lower Upper
119 100
91 0.0 28.2 84.7#
134 0.0 13.4 40.1#

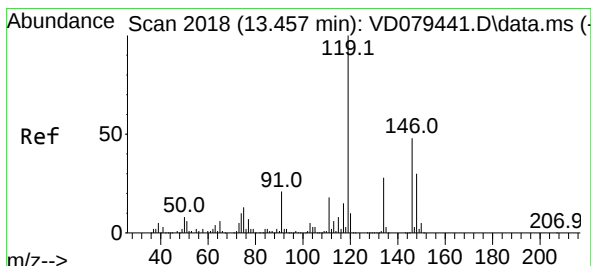
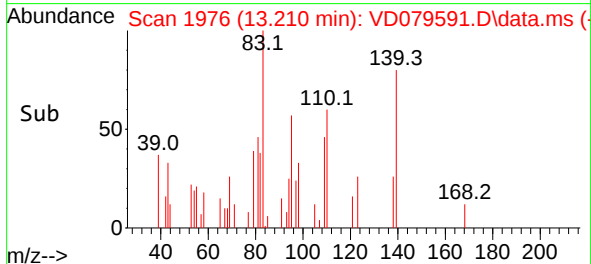
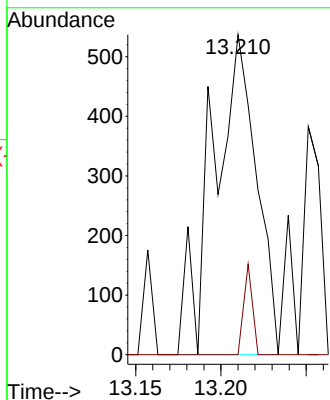
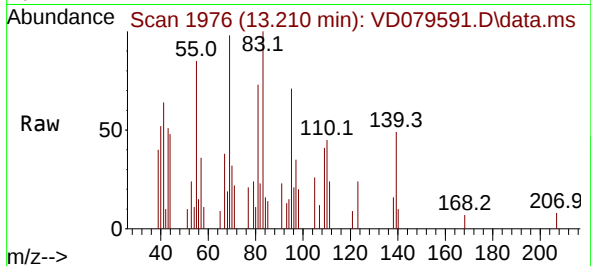




#84
1,2,4-Trimethylbenzene
Concen: 3.709 ug/l
RT: 13.210 min Scan# 1976
Delta R.T. 0.006 min
Lab File: VD079591.D
Acq: 05 Aug 2024 20:01

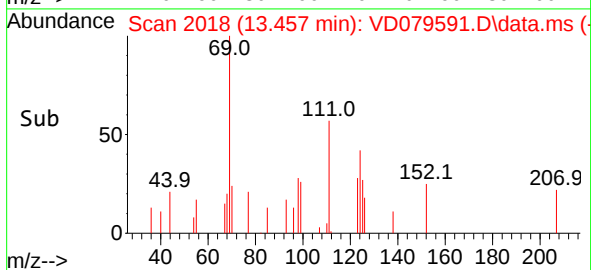
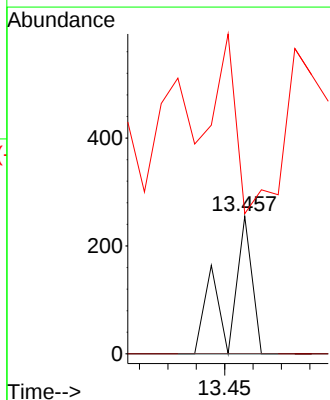
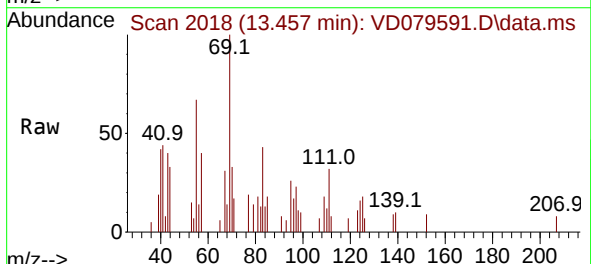
Instrument :
MSVOA_D
ClientSampleId :

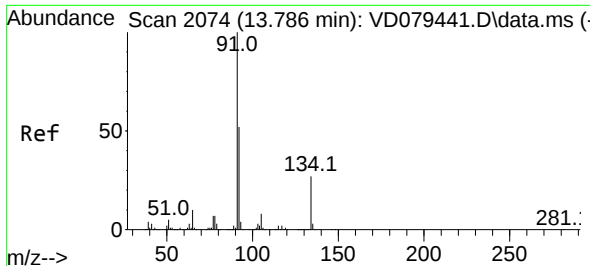
Tgt Ion:105 Resp: 962
Ion Ratio Lower Upper
105 100
120 5.6 23.6 71.0#



#86
p-Isopropyltoluene
Concen: 3.925 ug/l
RT: 13.457 min Scan# 2018
Delta R.T. 0.000 min
Lab File: VD079591.D
Acq: 05 Aug 2024 20:01

Tgt Ion:119 Resp: 148
Ion Ratio Lower Upper
119 100
134 0.0 13.7 41.1#
91 158.8 10.7 32.1#

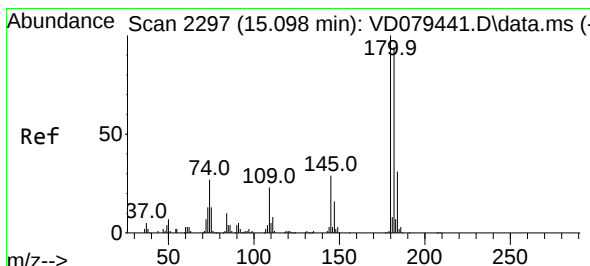
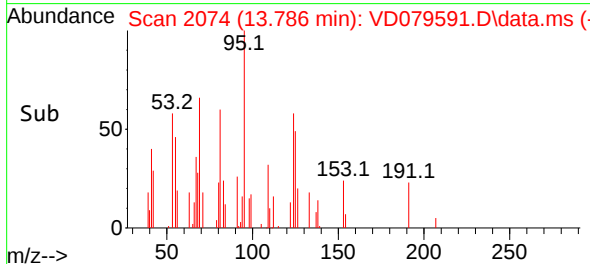
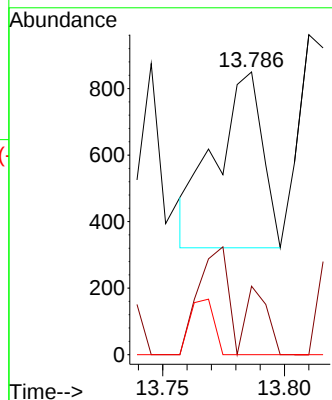
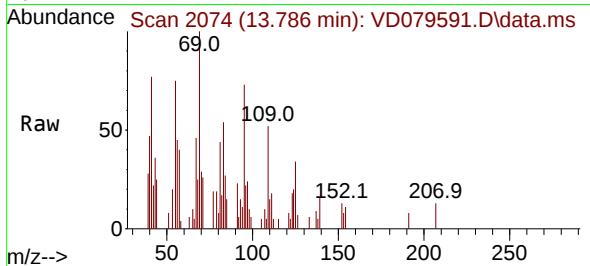




#89
n-Butylbenzene
Concen: 3.981 ug/l
RT: 13.786 min Scan# 2074
Delta R.T. 0.005 min
Lab File: VD079591.D
Acq: 05 Aug 2024 20:01

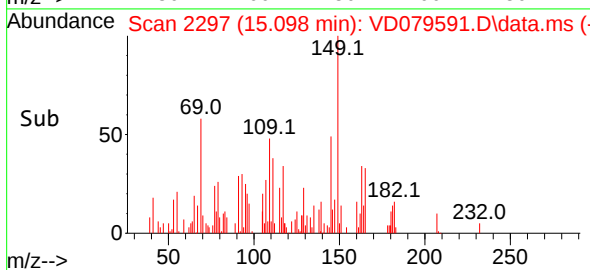
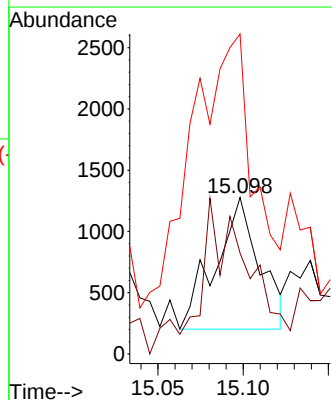
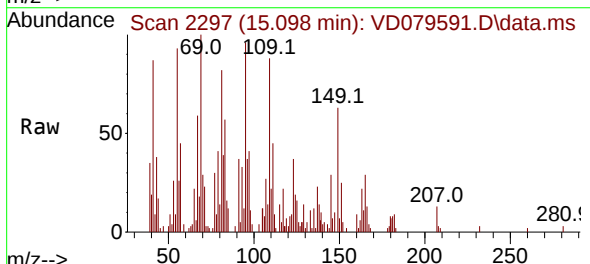
Instrument :
MSVOA_D
ClientSampleId :

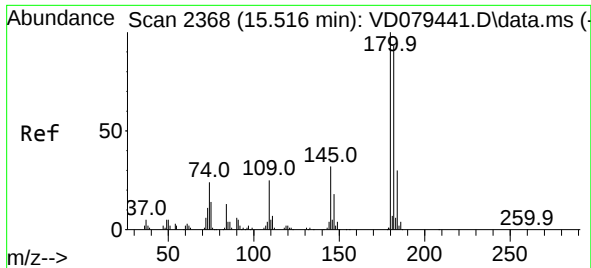
Tgt Ion: 91 Resp: 710
Ion Ratio Lower Upper
91 100
92 56.3 25.7 77.0
134 16.1 13.6 40.8



#93
1,2,4-Trichlorobenzene
Concen: 2.023 ug/l
RT: 15.098 min Scan# 2297
Delta R.T. 0.006 min
Lab File: VD079591.D
Acq: 05 Aug 2024 20:01

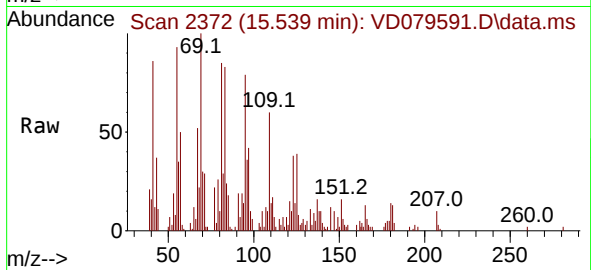
Tgt Ion: 180 Resp: 1932
Ion Ratio Lower Upper
180 100
182 89.9 46.9 140.7
145 354.1 14.0 41.9#





#96
1,2,3-Trichlorobenzene
Concen: 2.300 ug/l
RT: 15.539 min Scan# 21
Delta R.T. 0.018 min
Lab File: VD079591.D
Acq: 05 Aug 2024 20:01

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
180	100		
182	28.7	47.8	143.3#
145	0.0	16.1	48.2#

