

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD080724\
 Data File : VD079645.D
 Acq On : 07 Aug 2024 17:09
 Operator : RP/MD
 Sample : P3393-07
 Misc : 8.55G/5.0ml/MSVOA_D/SOILA
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 08 01:52:40 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)

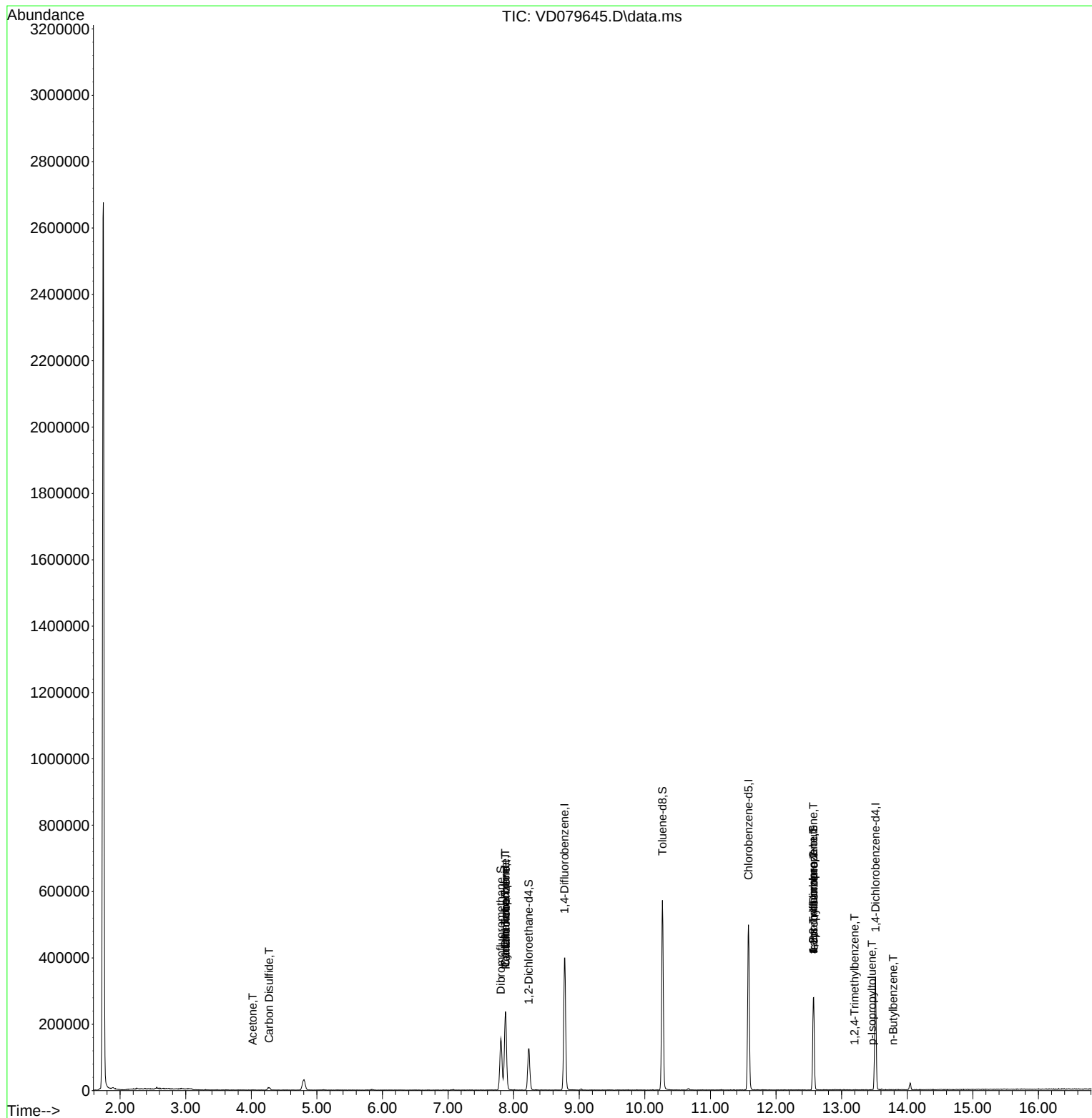
Internal Standards						
1) Pentafluorobenzene	7.881	168	187004	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	368411	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	300518	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	94227	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	97482	51.312	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 102.620%			
35) Dibromofluoromethane	7.804	113	115899	46.479	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 92.960%			
50) Toluene-d8	10.269	98	402536	41.569	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 83.140%			
62) 4-Bromofluorobenzene	12.569	95	84758	30.247	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 60.500%			
Target Compounds						
					Qvalue	
5) Bromomethane	2.705	94	574	Below Cal		83
11) Tert butyl alcohol	5.246	59	60	Below Cal	#	86
16) Acetone	4.022	43	452	1.224	ug/l #	37
17) Carbon Disulfide	4.269	76	16289	2.442	ug/l #	91
20) Methylene Chloride	4.793	84	24898	Below Cal	#	88
31) Cyclohexane	7.875	56	3881	1.230	ug/l #	62
36) 1,1-Dichloropropene	7.875	75	14668	4.310	ug/l #	45
38) Carbon Tetrachloride	7.875	117	17723	4.954	ug/l #	16
73) Isopropylbenzene	12.575	105	234	3.658	ug/l #	48
76) 1,2,3-Trichloropropane	12.569	75	43692	53.048	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.569	75	43692	101.176	ug/l #	19
84) 1,2,4-Trimethylbenzene	13.198	105	494	3.506	ug/l #	29
86) p-Isopropyltoluene	13.463	119	56	3.894	ug/l #	51
89) n-Butylbenzene	13.786	91	80	3.794	ug/l #	58

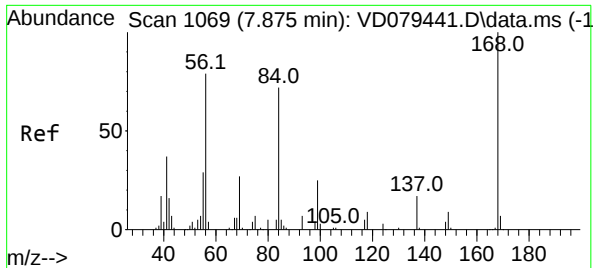
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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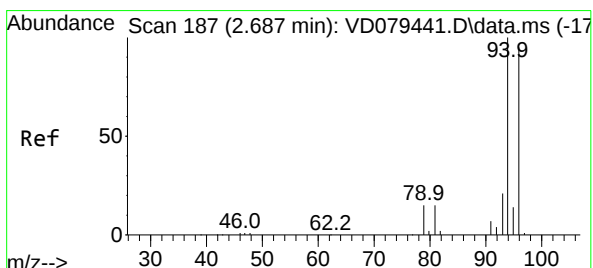
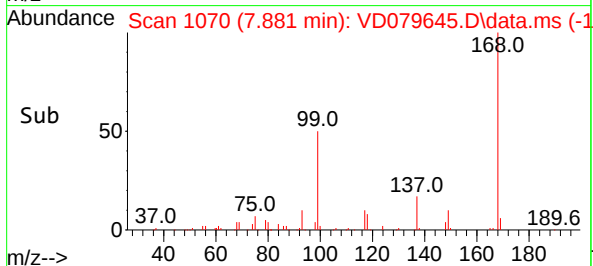
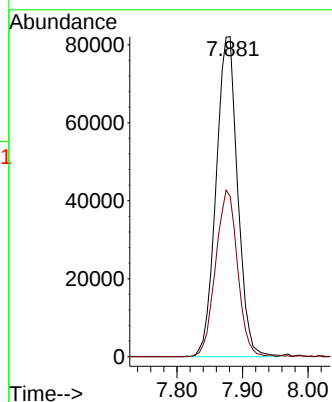
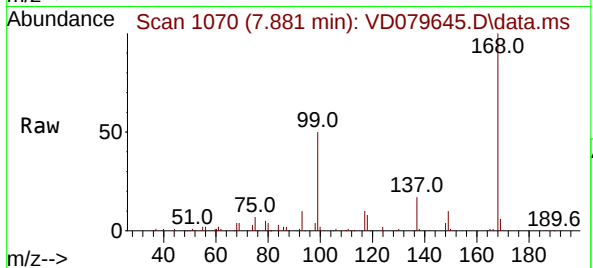




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.881 min Scan# 1069
Delta R.T. 0.006 min
Lab File: VD079645.D
Acq: 07 Aug 2024 17:09

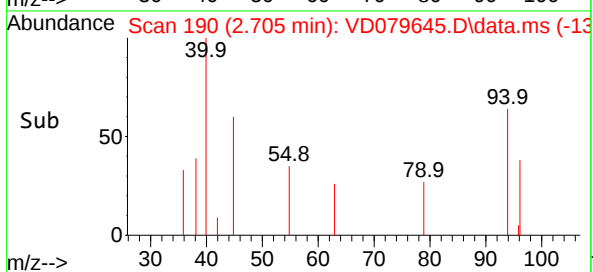
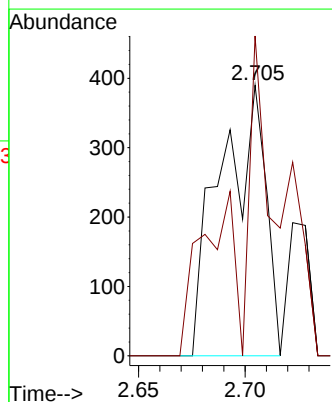
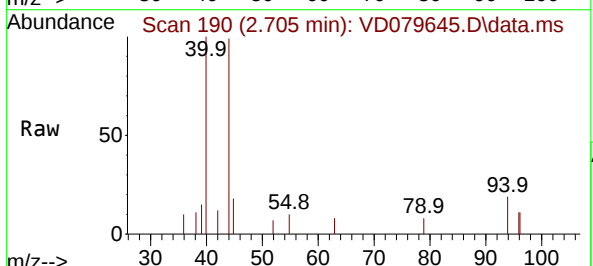
Instrument :
MSVOA_D
ClientSampleId :

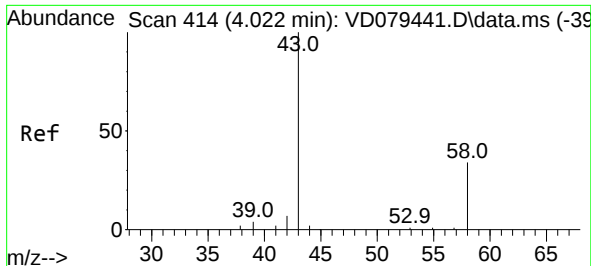
Tgt Ion:168 Resp: 187004
Ion Ratio Lower Upper
168 100
99 50.1 41.1 61.7



#5
Bromomethane
Concen: Below Cal
RT: 2.705 min Scan# 190
Delta R.T. 0.018 min
Lab File: VD079645.D
Acq: 07 Aug 2024 17:09

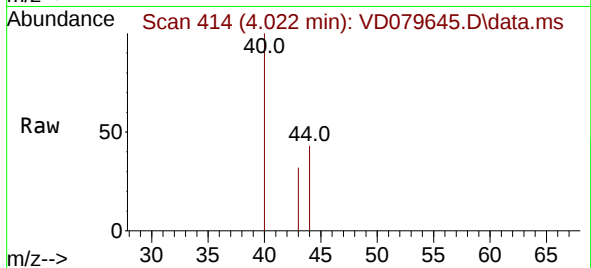
Tgt Ion: 94 Resp: 574
Ion Ratio Lower Upper
94 100
96 79.1 76.9 115.3



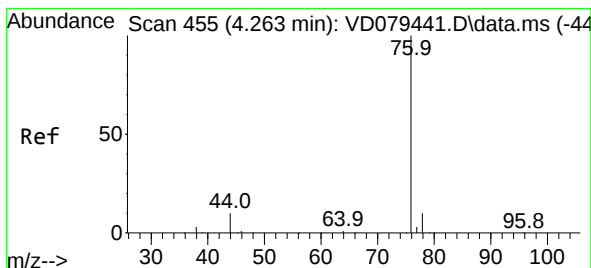
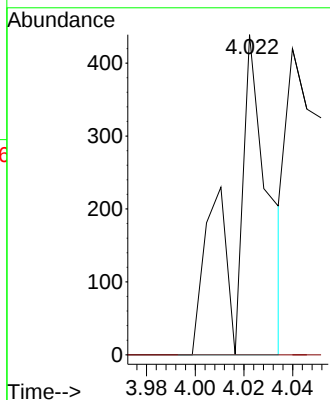
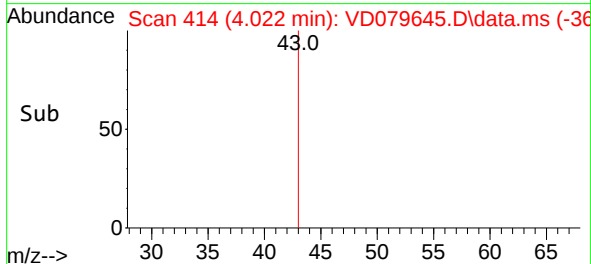


#16
Acetone
Concen: 1.224 ug/l
RT: 4.022 min Scan# 414
Delta R.T. -0.000 min
Lab File: VD079645.D
Acq: 07 Aug 2024 17:09

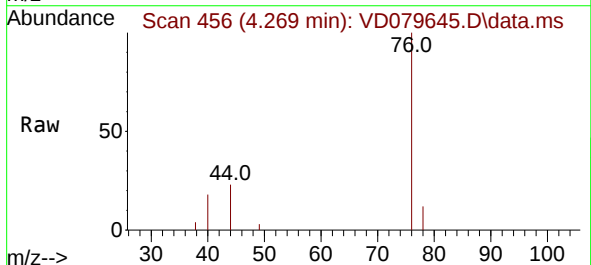
Instrument :
MSVOA_D
ClientSampleId :



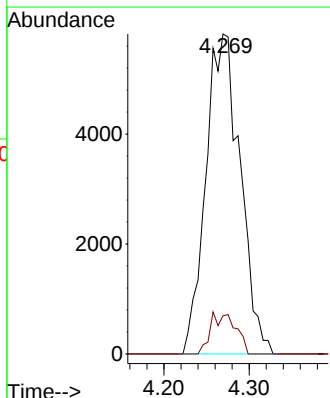
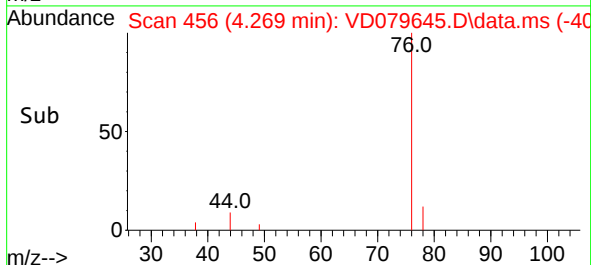
Tgt Ion: 43 Resp: 452
Ion Ratio Lower Upper
43 100
58 0.0 30.4 45.6#

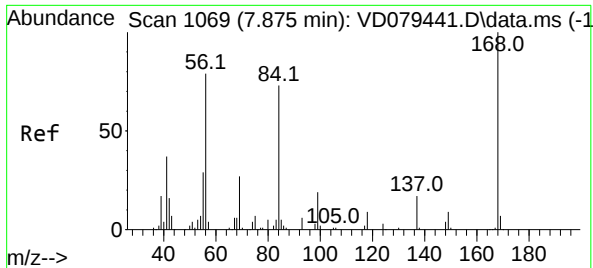


#17
Carbon Disulfide
Concen: 2.442 ug/l
RT: 4.269 min Scan# 456
Delta R.T. 0.006 min
Lab File: VD079645.D
Acq: 07 Aug 2024 17:09



Tgt Ion: 76 Resp: 16289
Ion Ratio Lower Upper
76 100
78 12.0 6.9 10.3#

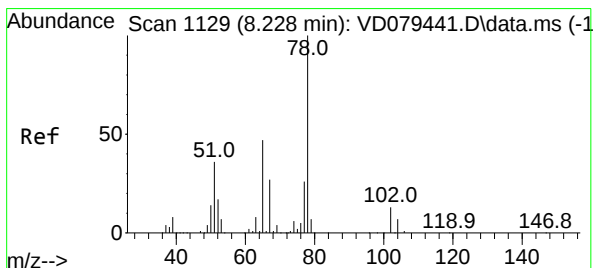
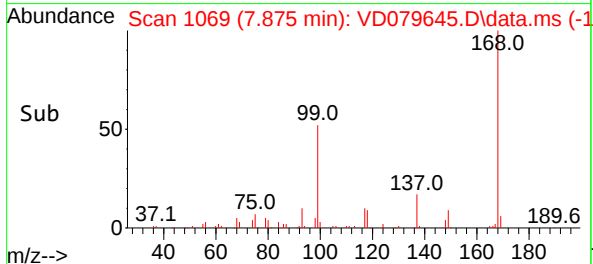
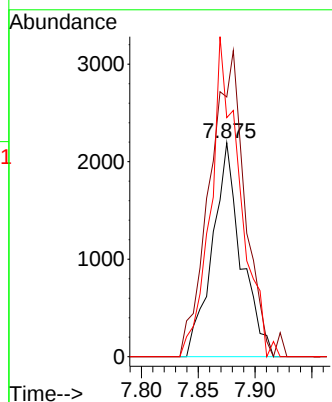
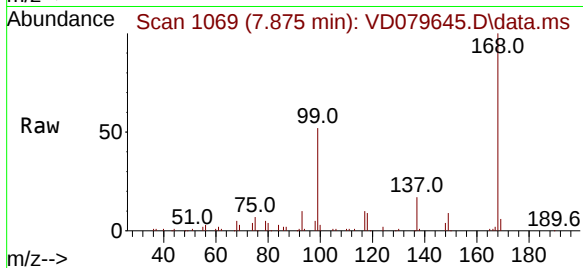




#31
Cyclohexane
Concen: 1.230 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.006 min
Lab File: VD079645.D
Acq: 07 Aug 2024 17:09

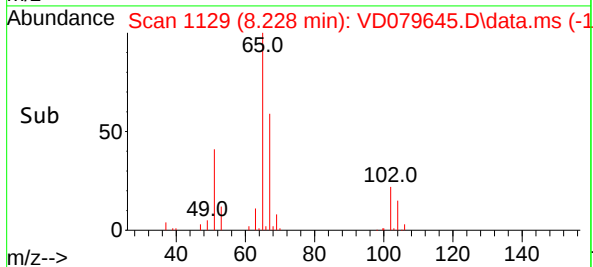
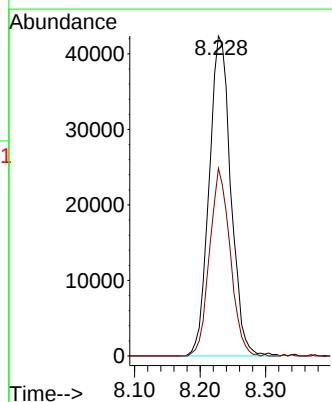
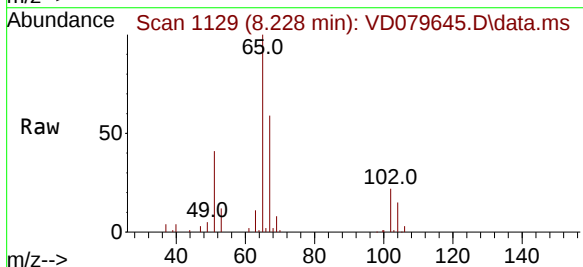
Instrument :
MSVOA_D
ClientSampleId :

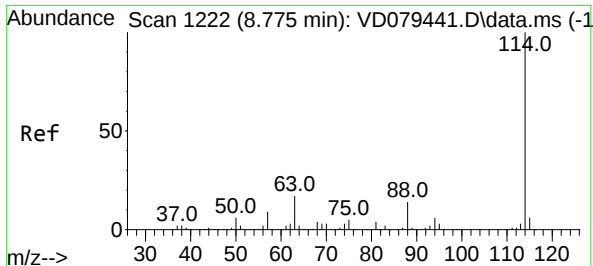
Tgt Ion: 56 Resp: 3881
Ion Ratio Lower Upper
56 100
69 121.4 28.0 42.0#
84 111.8 87.4 131.0



#33
1,2-Dichloroethane-d4
Concen: 51.312 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. -0.000 min
Lab File: VD079645.D
Acq: 07 Aug 2024 17:09

Tgt Ion: 65 Resp: 97482
Ion Ratio Lower Upper
65 100
67 55.7 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: VD079645.D

Acq: 07 Aug 2024 17:09

Instrument :

MSVOA_D

ClientSampleId :

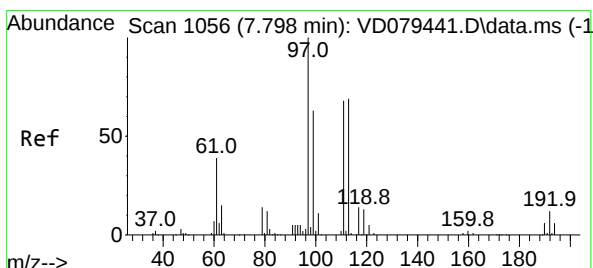
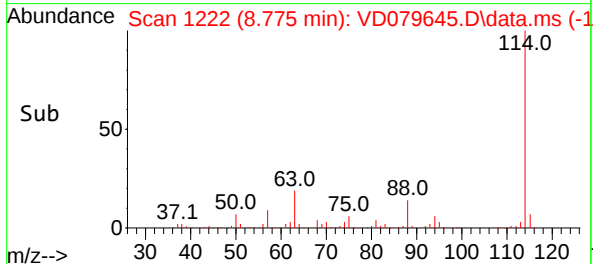
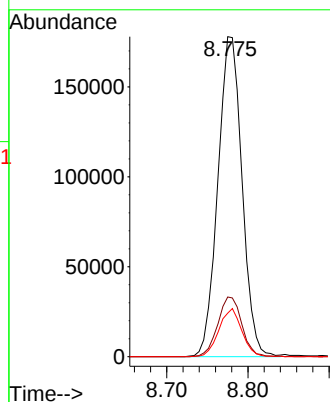
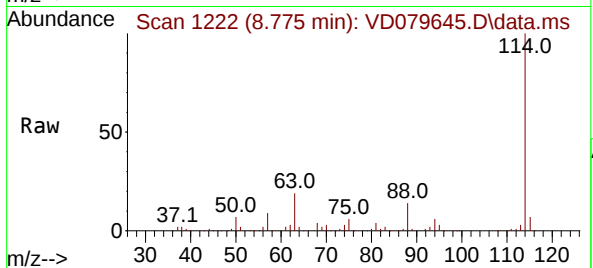
Tgt Ion:114 Resp: 368411

Ion Ratio Lower Upper

114 100

63 18.6 0.0 34.0

88 13.6 0.0 27.2



#35

Dibromofluoromethane

Concen: 46.479 ug/l

RT: 7.804 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VD079645.D

Acq: 07 Aug 2024 17:09

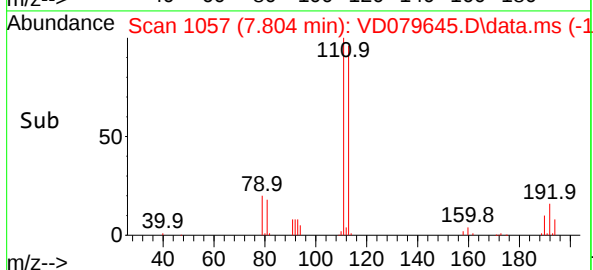
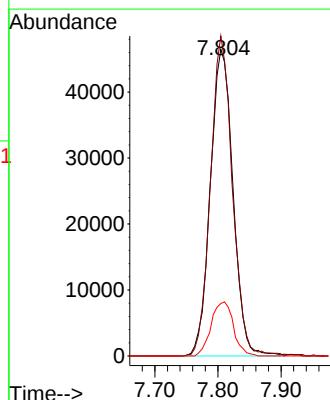
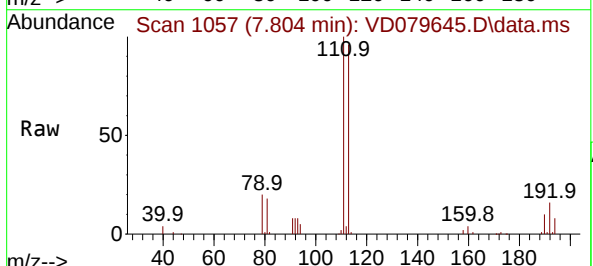
Tgt Ion:113 Resp: 115899

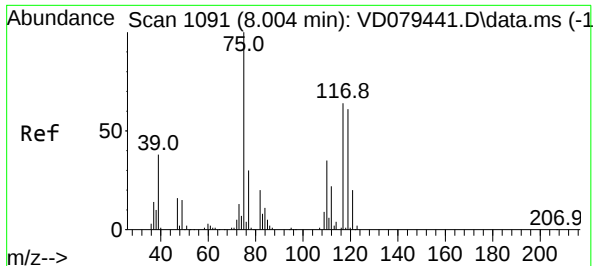
Ion Ratio Lower Upper

113 100

111 100.7 84.0 126.0

192 17.4 15.4 23.0





#36

1,1-Dichloropropene

Concen: 4.310 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.135 min

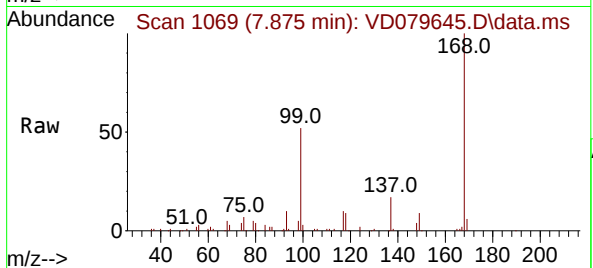
Lab File: VD079645.D

Acq: 07 Aug 2024 17:09

Instrument :

MSVOA_D

ClientSampleId :



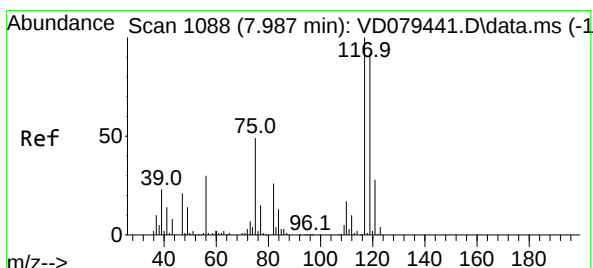
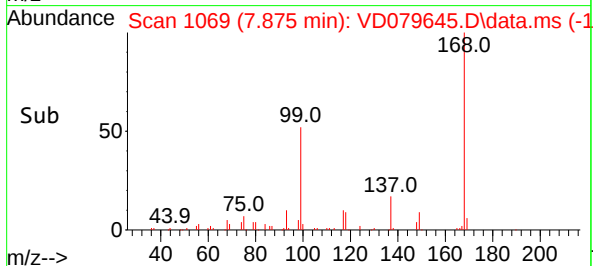
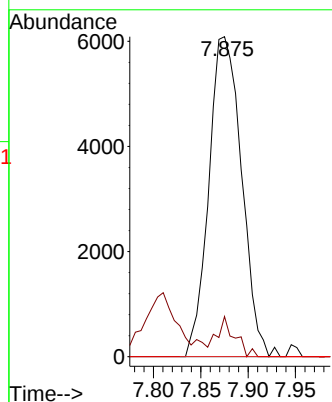
Tgt Ion: 75 Resp: 14668

Ion Ratio Lower Upper

75 100

110 6.8 19.6 58.7#

77 0.0 26.1 39.1#



#38

Carbon Tetrachloride

Concen: 4.954 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.112 min

Lab File: VD079645.D

Acq: 07 Aug 2024 17:09

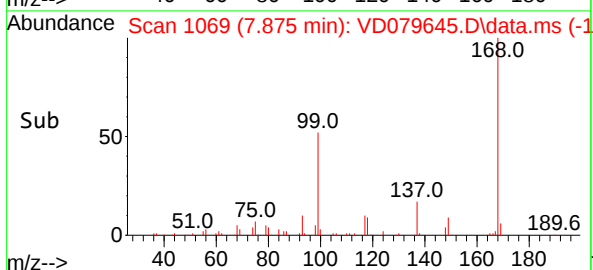
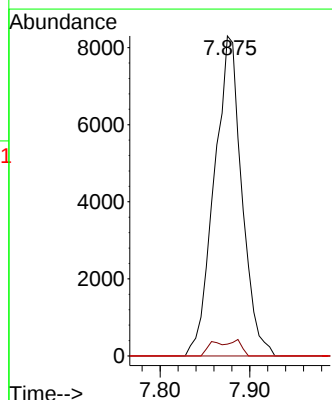
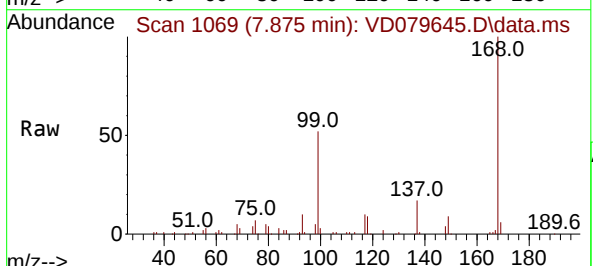
Tgt Ion: 117 Resp: 17723

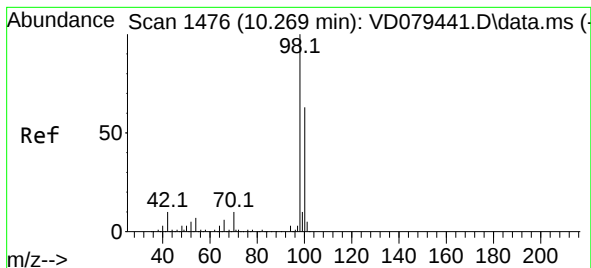
Ion Ratio Lower Upper

117 100

119 3.7 75.4 113.0#

121 0.0 25.0 37.4#





#50

Toluene-d8

Concen: 41.569 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.006 min

Lab File: VD079645.D

Acq: 07 Aug 2024 17:09

Instrument :

MSVOA_D

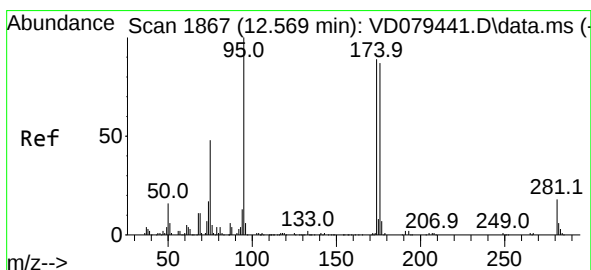
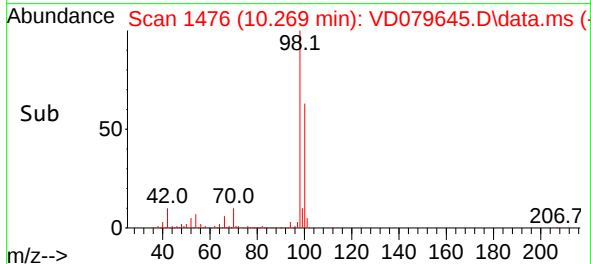
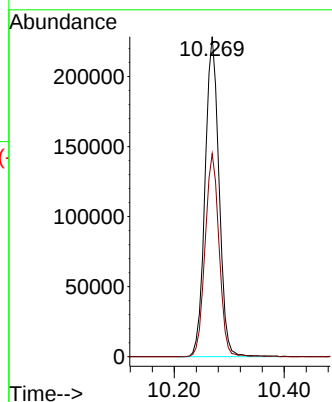
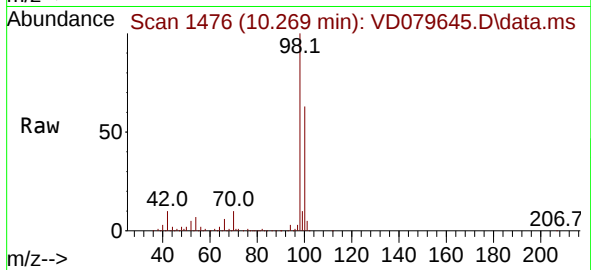
ClientSampleId :

Tgt Ion: 98 Resp: 402536

Ion Ratio Lower Upper

98 100

100 63.4 51.6 77.4



#62

4-Bromofluorobenzene

Concen: 30.247 ug/l

RT: 12.569 min Scan# 1867

Delta R.T. -0.000 min

Lab File: VD079645.D

Acq: 07 Aug 2024 17:09

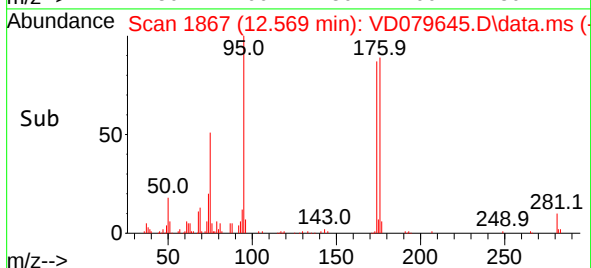
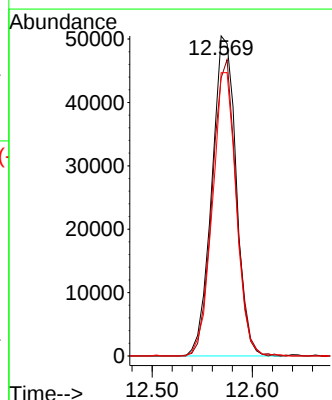
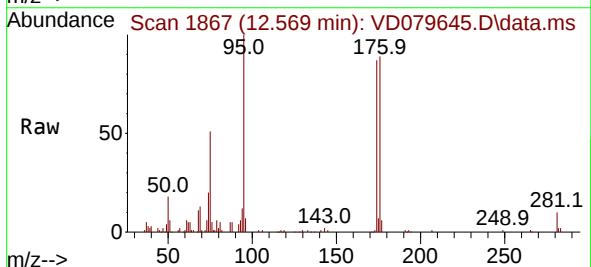
Tgt Ion: 95 Resp: 84758

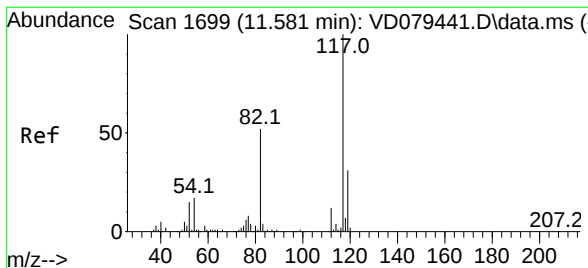
Ion Ratio Lower Upper

95 100

174 91.2 0.0 195.4

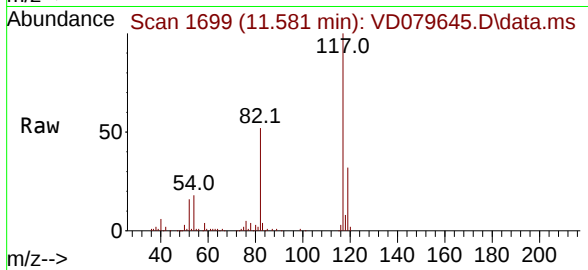
176 87.2 0.0 192.6



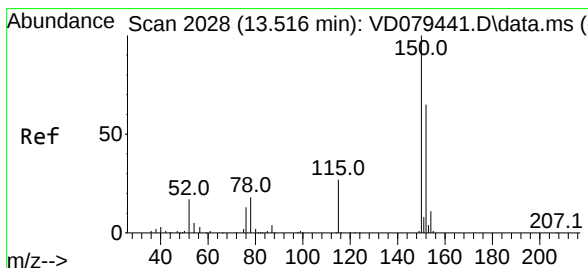
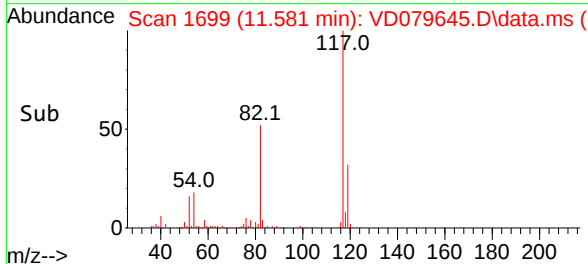
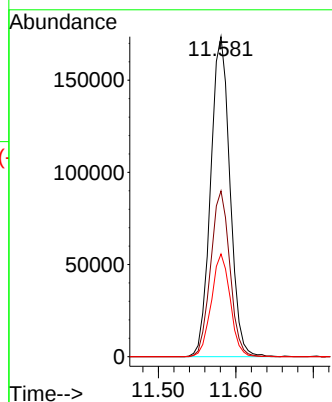


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1
Delta R.T. -0.000 min
Lab File: VD079645.D
Acq: 07 Aug 2024 17:09

Instrument :
MSVOA_D
ClientSampleId :

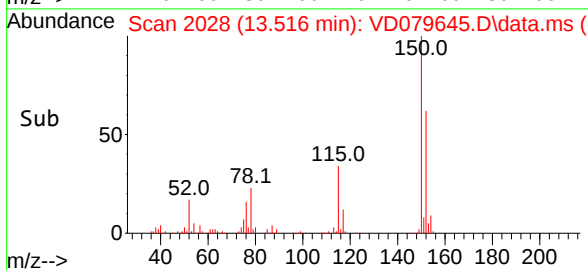
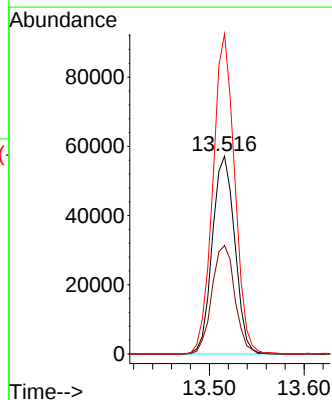
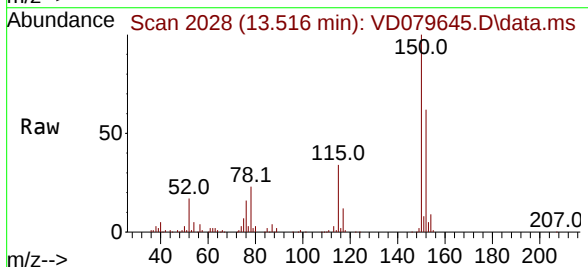


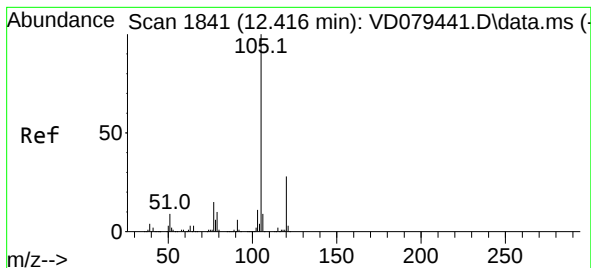
Tgt Ion:117 Resp: 300518
Ion Ratio Lower Upper
117 100
82 51.8 39.8 59.6
119 32.1 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. 0.006 min
Lab File: VD079645.D
Acq: 07 Aug 2024 17:09

Tgt Ion:152 Resp: 94227
Ion Ratio Lower Upper
152 100
115 56.1 26.5 79.5
150 157.0 0.0 341.6





#73

Isopropylbenzene

Concen: 3.658 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. 0.159 min

Lab File: VD079645.D

Acq: 07 Aug 2024 17:09

Instrument :

MSVOA_D

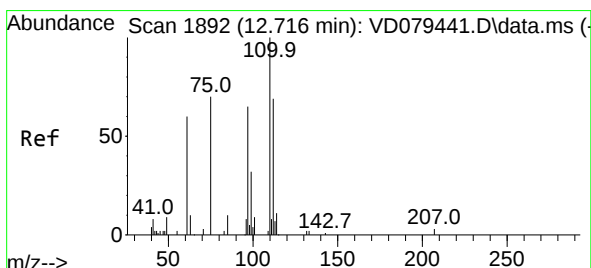
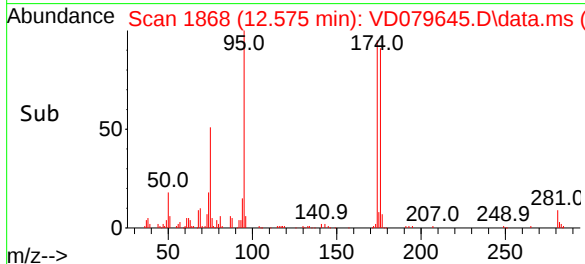
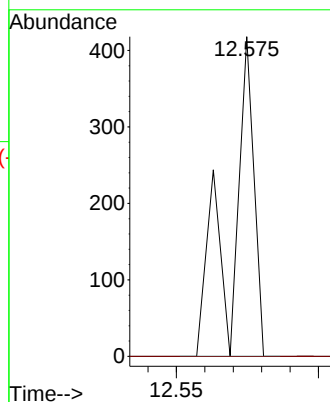
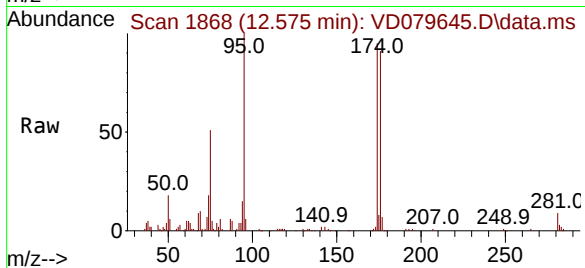
ClientSampleId :

Tgt Ion:105 Resp: 234

Ion Ratio Lower Upper

105 100

120 0.0 13.6 40.7#



#76

1,2,3-Trichloropropane

Concen: 53.048 ug/l

RT: 12.569 min Scan# 1867

Delta R.T. -0.153 min

Lab File: VD079645.D

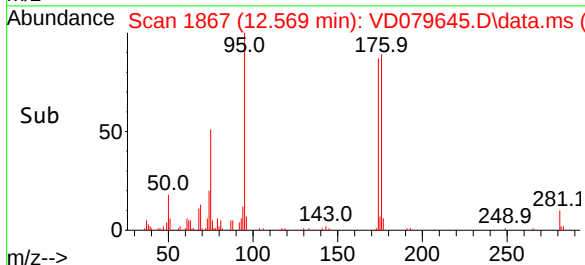
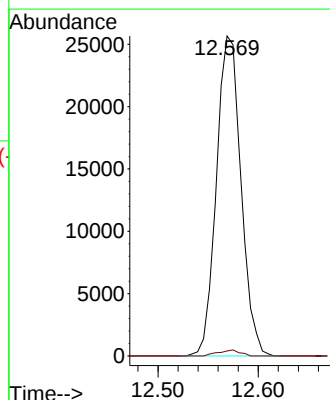
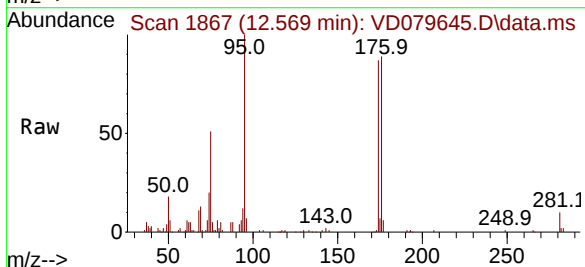
Acq: 07 Aug 2024 17:09

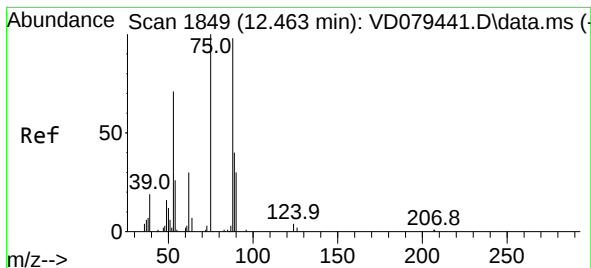
Tgt Ion: 75 Resp: 43692

Ion Ratio Lower Upper

75 100

77 1.6 0.0 0.0#

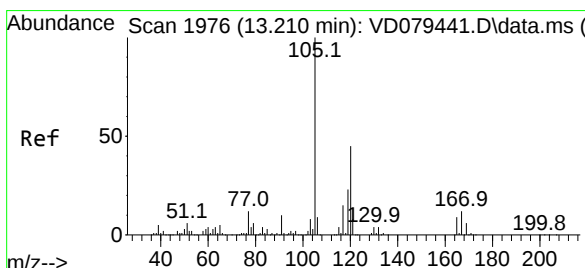
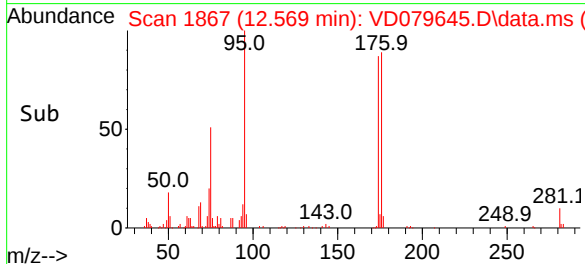
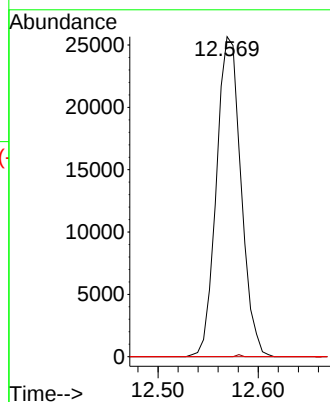
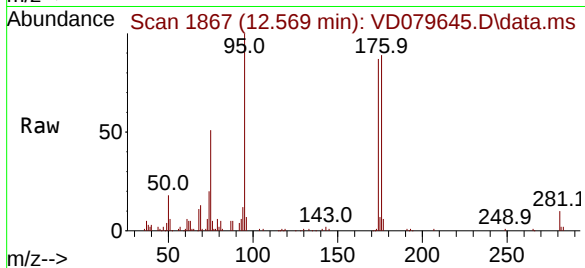




#81
trans-1,4-Dichloro-2-butene
Concen: 101.176 ug/l
RT: 12.569 min Scan# 1849
Delta R.T. 0.100 min
Lab File: VD079645.D
Acq: 07 Aug 2024 17:09

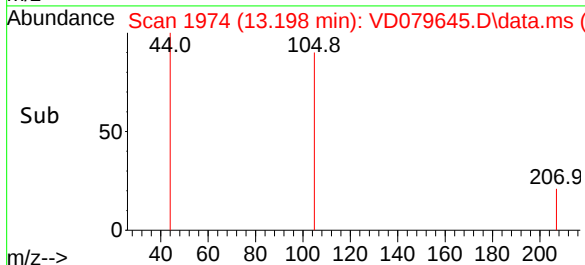
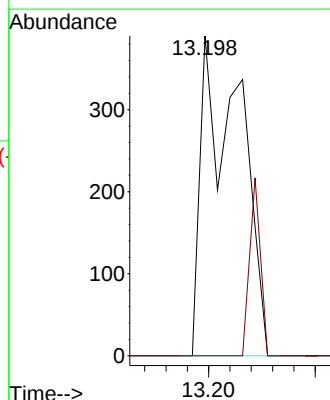
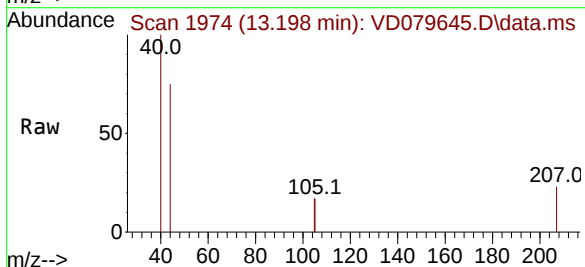
Instrument :
MSVOA_D
ClientSampleId :

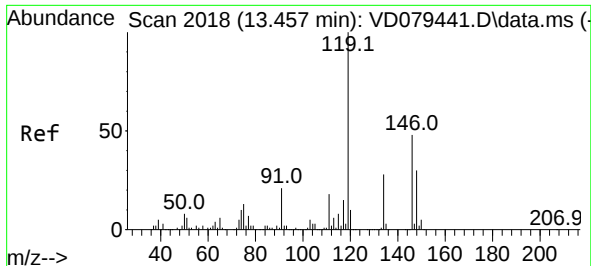
Tgt Ion: 75 Resp: 43692
Ion Ratio Lower Upper
75 100
53 0.1 61.4 92.2#
89 0.0 35.4 53.0#



#84
1,2,4-Trimethylbenzene
Concen: 3.506 ug/l
RT: 13.198 min Scan# 1974
Delta R.T. -0.006 min
Lab File: VD079645.D
Acq: 07 Aug 2024 17:09

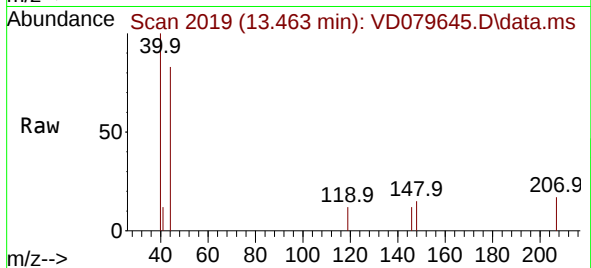
Tgt Ion: 105 Resp: 494
Ion Ratio Lower Upper
105 100
120 0.0 23.6 71.0#



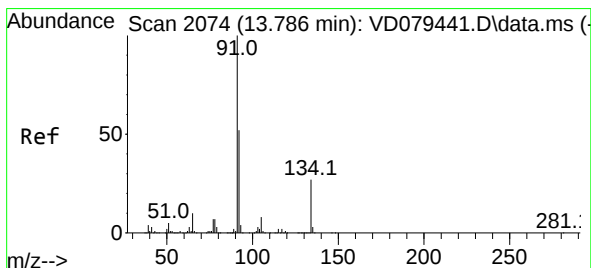
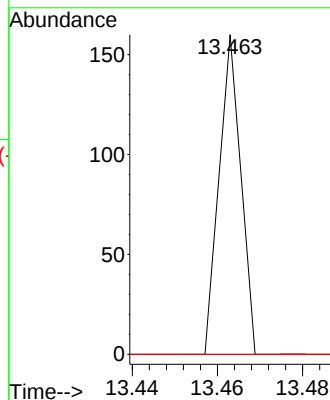
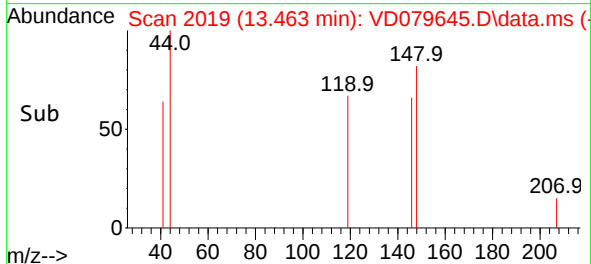


#86
p-Isopropyltoluene
Concen: 3.894 ug/l
RT: 13.463 min Scan# 2018
Delta R.T. 0.006 min
Lab File: VD079645.D
Acq: 07 Aug 2024 17:09

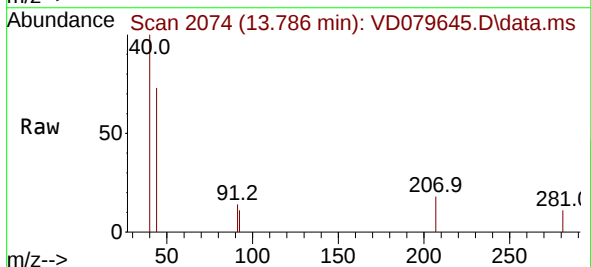
Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion:119 Resp: 56
Ion Ratio Lower Upper
119 100
134 0.0 13.7 41.1#
91 0.0 10.7 32.1#



#89
n-Butylbenzene
Concen: 3.794 ug/l
RT: 13.786 min Scan# 2074
Delta R.T. 0.005 min
Lab File: VD079645.D
Acq: 07 Aug 2024 17:09



Tgt Ion: 91 Resp: 80
Ion Ratio Lower Upper
91 100
92 76.3 25.7 77.0
134 0.0 13.6 40.8#

