

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD080724\
 Data File : VD079644.D
 Acq On : 07 Aug 2024 16:41
 Operator : RP/MD
 Sample : P3393-04
 Misc : 8.20G/5.0ml/MSVOA_D/SOILA
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 08 01:52:16 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)

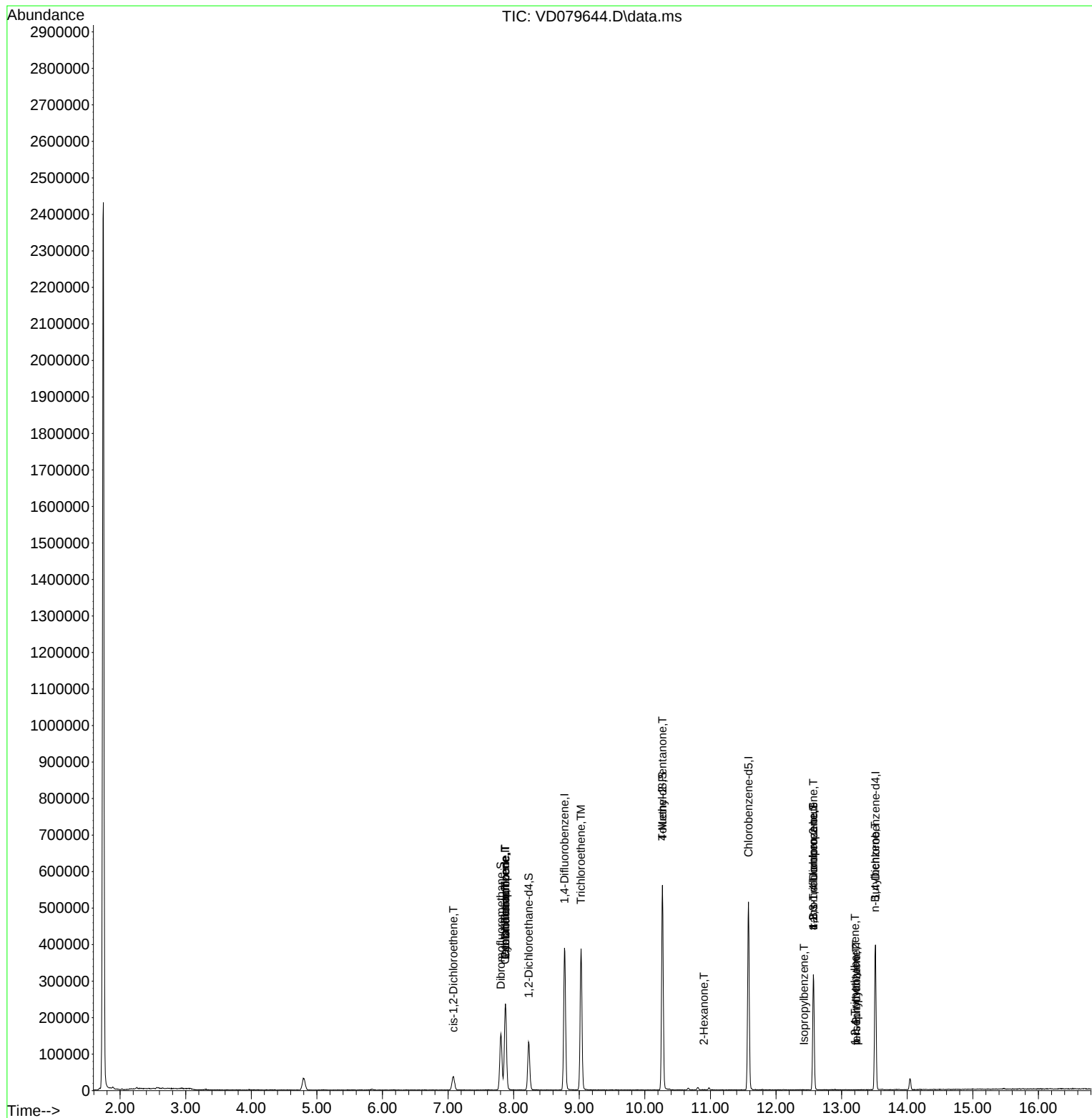
Internal Standards						
1) Pentafluorobenzene	7.875	168	187056	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	352941	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	298847	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	110268	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	99918	52.580	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 105.160%			
35) Dibromofluoromethane	7.805	113	115439	48.324	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 96.640%			
50) Toluene-d8	10.269	98	394923	42.571	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 85.140%			
62) 4-Bromofluorobenzene	12.569	95	93458	34.813	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 69.620%			
Target Compounds						
					Qvalue	
5) Bromomethane	2.699	94	493	Below Cal	#	1
20) Methylene Chloride	4.799	84	25367	Below Cal	#	83
27) cis-1,2-Dichloroethene	7.081	96	25661	9.888	ug/l	98
31) Cyclohexane	7.875	56	4022	1.274	ug/l #	6
36) 1,1-Dichloropropene	7.875	75	15056	4.618	ug/l #	46
38) Carbon Tetrachloride	7.869	117	19153	5.588	ug/l #	18
44) Trichloroethene	9.028	130	144459	56.036	ug/l	93
51) 4-Methyl-2-Pentanone	10.269	43	1366	1.065	ug/l #	1
59) 2-Hexanone	10.898	43	936	1.046	ug/l #	19
73) Isopropylbenzene	12.428	105	56	3.634	ug/l #	48
76) 1,2,3-Trichloropropane	12.569	75	47602	49.387	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.569	75	47602	94.195	ug/l #	19
83) tert-Butylbenzene	13.222	119	65	3.638	ug/l #	31
84) 1,2,4-Trimethylbenzene	13.204	105	573	3.506	ug/l #	29
86) p-Isopropyltoluene	13.222	119	65	3.894	ug/l #	51
89) n-Butylbenzene	13.510	91	199	3.808	ug/l #	34

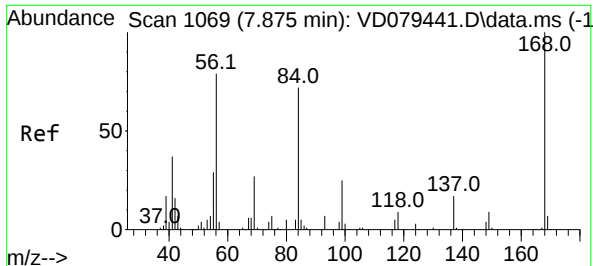
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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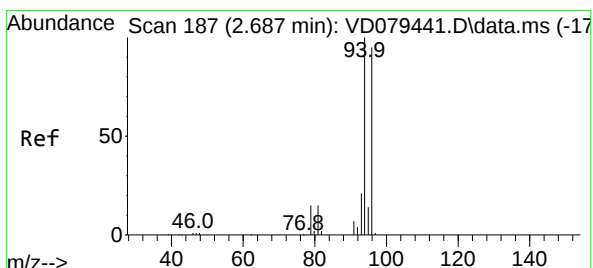
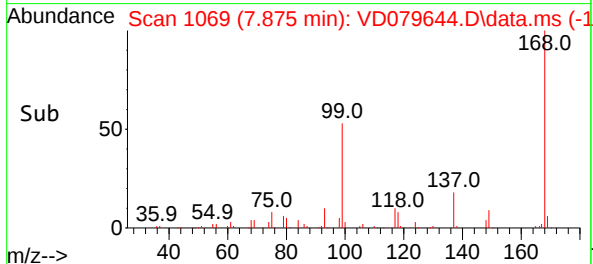
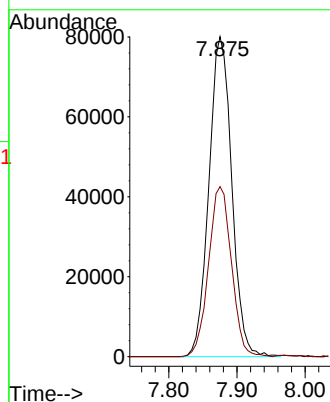
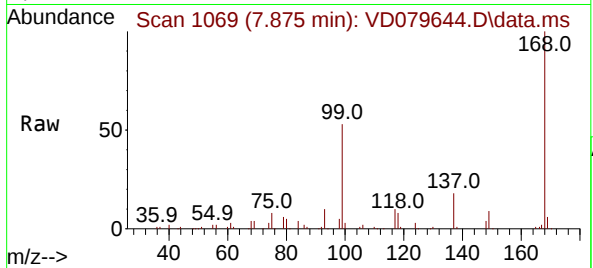




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD079644.D
Acq: 07 Aug 2024 16:41

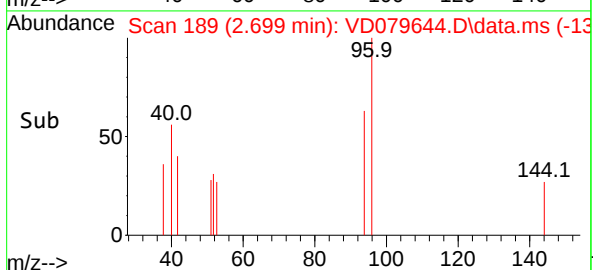
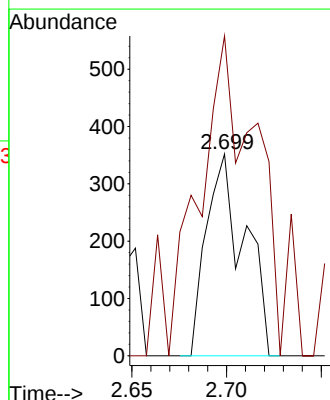
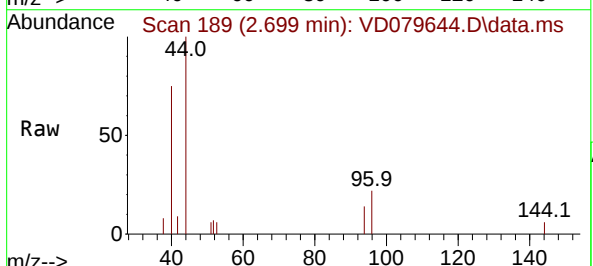
Instrument :
MSVOA_D
ClientSampleId :

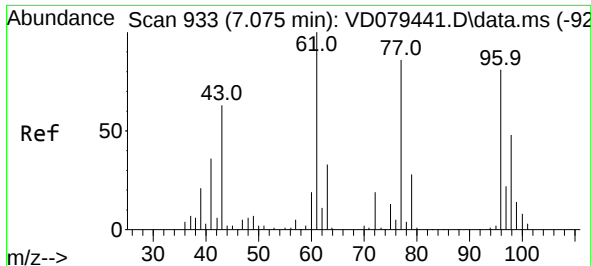
Tgt Ion:168 Resp: 187056
Ion Ratio Lower Upper
168 100
99 53.1 41.1 61.7



#5
Bromomethane
Concen: Below Cal
RT: 2.699 min Scan# 189
Delta R.T. 0.012 min
Lab File: VD079644.D
Acq: 07 Aug 2024 16:41

Tgt Ion: 94 Resp: 493
Ion Ratio Lower Upper
94 100
96 261.7 76.9 115.3#





#27

cis-1,2-Dichloroethene

Concen: 9.888 ug/l

RT: 7.081 min Scan# 91

Delta R.T. 0.006 min

Lab File: VD079644.D

Acq: 07 Aug 2024 16:41

Instrument :

MSVOA_D

ClientSampleId :

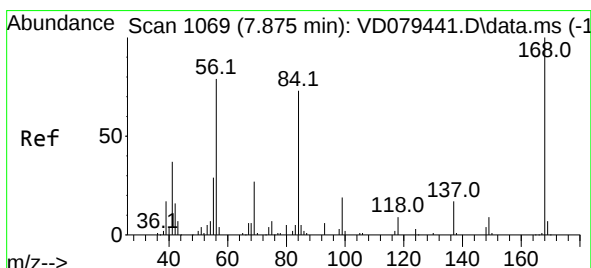
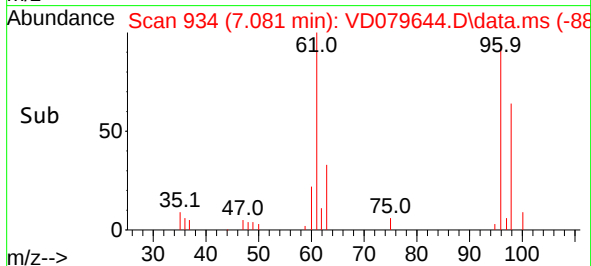
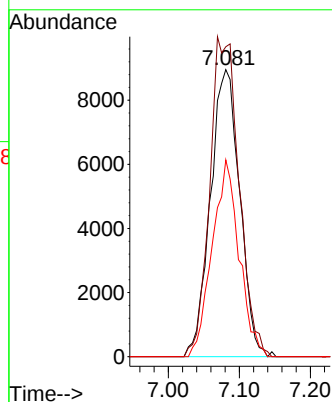
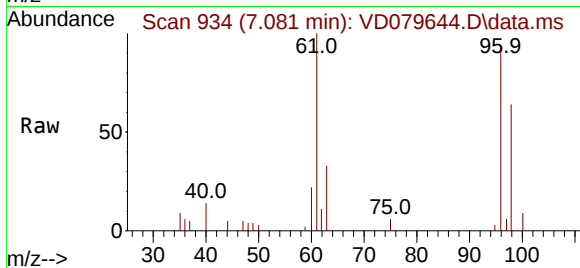
Tgt Ion: 96 Resp: 25661

Ion Ratio Lower Upper

96 100

61 111.2 0.0 229.0

98 62.8 0.0 127.2



#31

Cyclohexane

Concen: 1.274 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.006 min

Lab File: VD079644.D

Acq: 07 Aug 2024 16:41

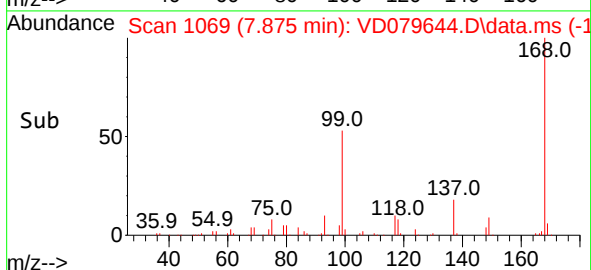
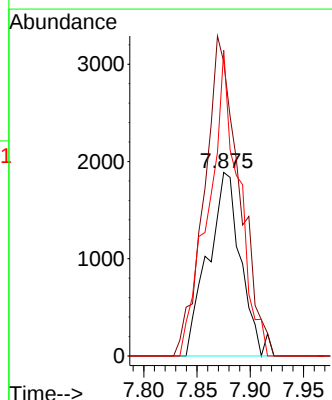
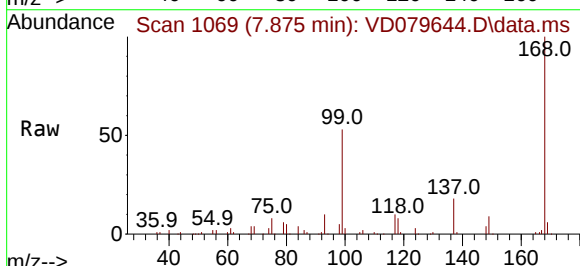
Tgt Ion: 56 Resp: 4022

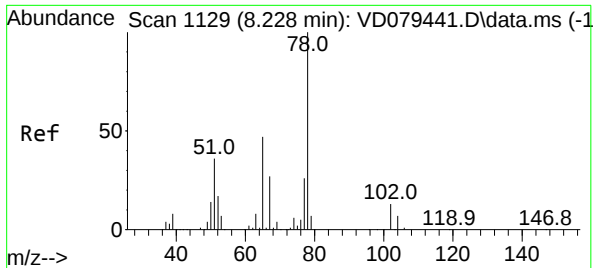
Ion Ratio Lower Upper

56 100

69 160.3 28.0 42.0#

84 166.6 87.4 131.0#





#33

1,2-Dichloroethane-d4

Concen: 52.580 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.000 min

Lab File: VD079644.D

Acq: 07 Aug 2024 16:41

Instrument :

MSVOA_D

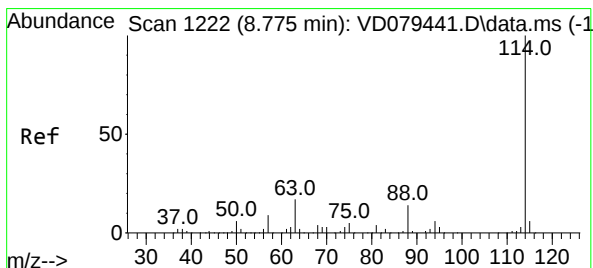
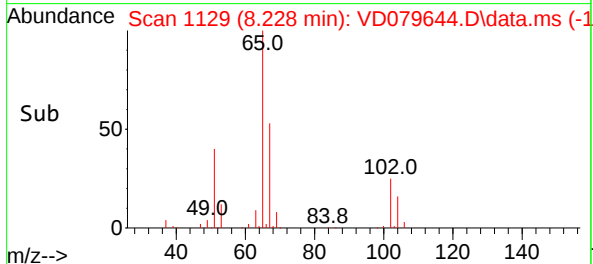
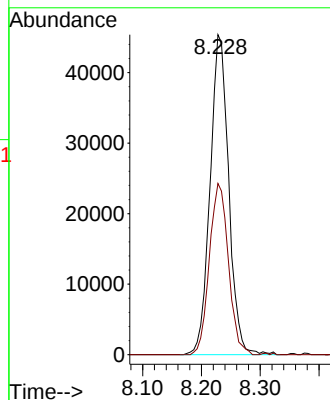
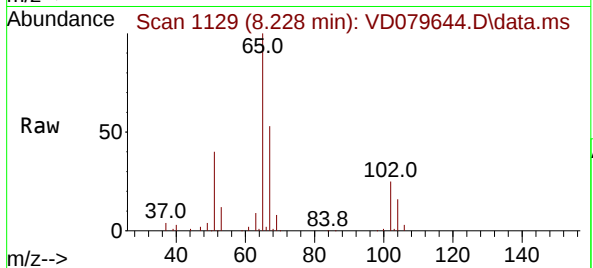
ClientSampleId :

Tgt Ion: 65 Resp: 99918

Ion Ratio Lower Upper

65 100

67 54.6 0.0 111.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1222

Delta R.T. -0.000 min

Lab File: VD079644.D

Acq: 07 Aug 2024 16:41

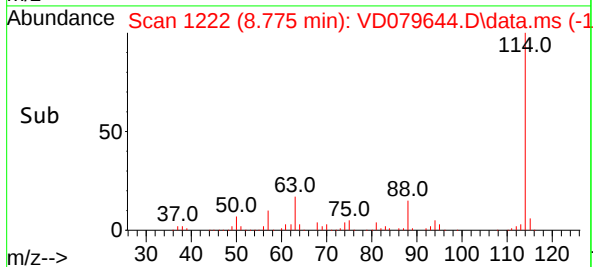
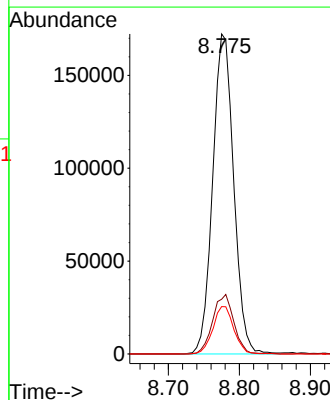
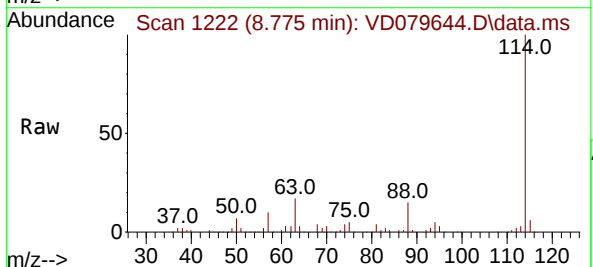
Tgt Ion: 114 Resp: 352941

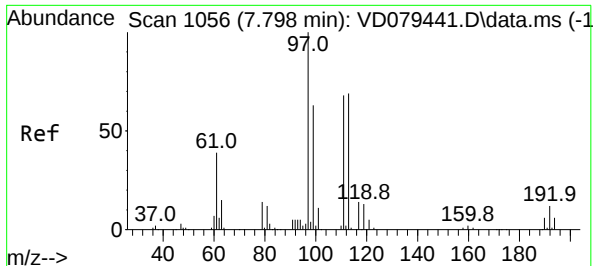
Ion Ratio Lower Upper

114 100

63 17.1 0.0 34.0

88 14.8 0.0 27.2





#35

Dibromofluoromethane

Concen: 48.324 ug/l

RT: 7.805 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VD079644.D

Acq: 07 Aug 2024 16:41

Instrument :

MSVOA_D

ClientSampleId :

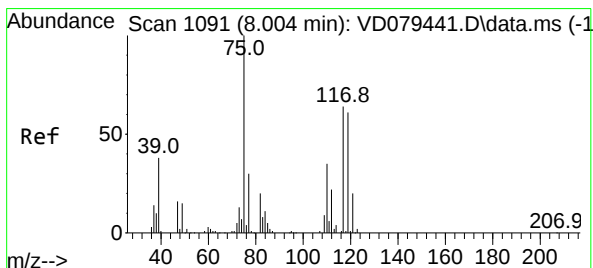
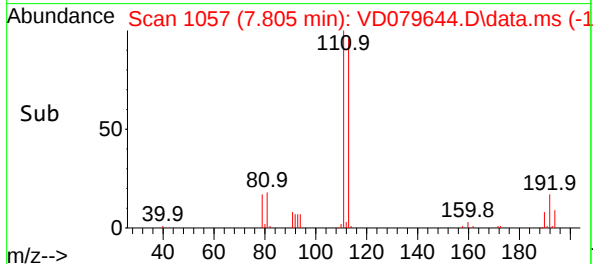
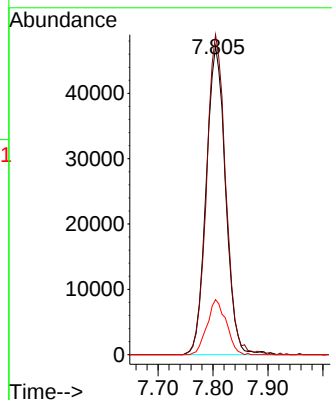
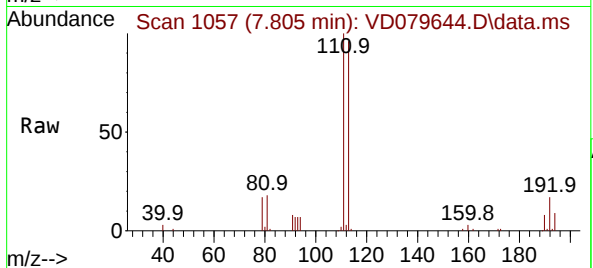
Tgt Ion:113 Resp: 115439

Ion Ratio Lower Upper

113 100

111 102.7 84.0 126.0

192 17.7 15.4 23.0



#36

1,1-Dichloropropene

Concen: 4.618 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.135 min

Lab File: VD079644.D

Acq: 07 Aug 2024 16:41

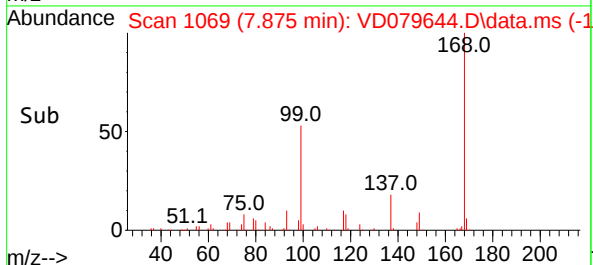
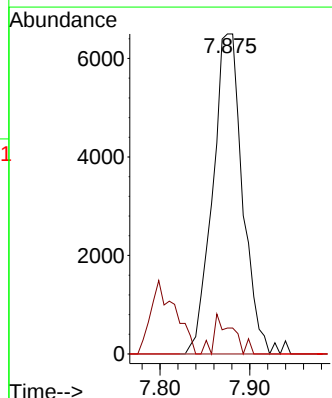
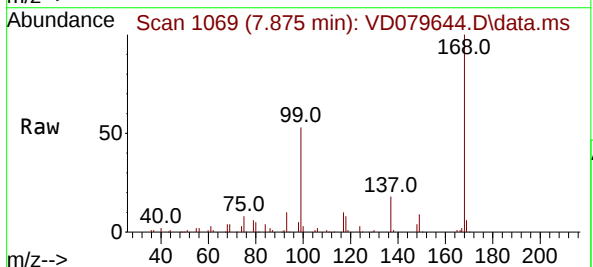
Tgt Ion: 75 Resp: 15056

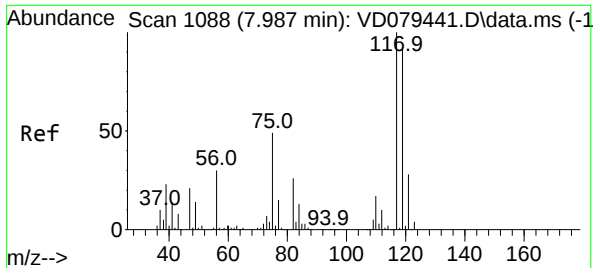
Ion Ratio Lower Upper

75 100

110 7.9 19.6 58.7#

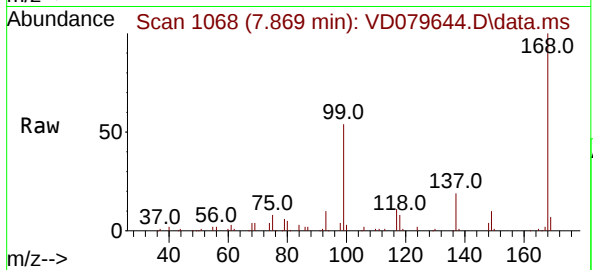
77 0.0 26.1 39.1#



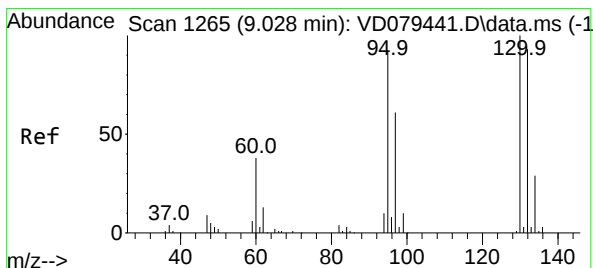
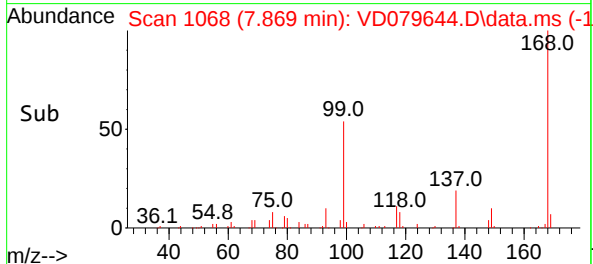
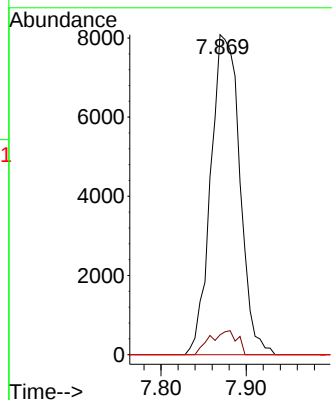


#38
Carbon Tetrachloride
Concen: 5.588 ug/l
RT: 7.869 min Scan# 1068
Delta R.T. -0.118 min
Lab File: VD079644.D
Acq: 07 Aug 2024 16:41

Instrument :
MSVOA_D
ClientSampleId :

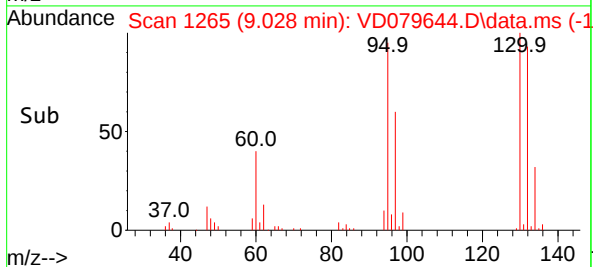
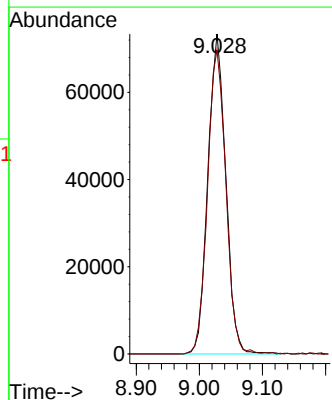
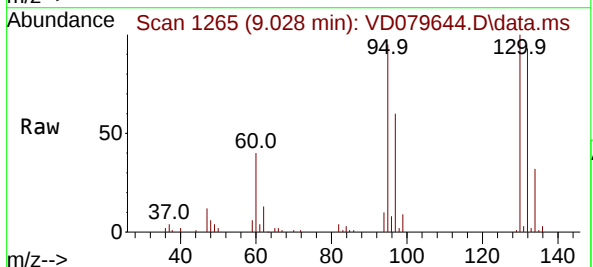


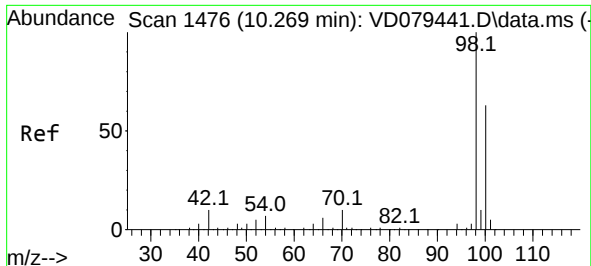
Tgt Ion:117 Resp: 19153
Ion Ratio Lower Upper
117 100
119 6.2 75.4 113.0#
121 0.0 25.0 37.4#



#44
Trichloroethene
Concen: 56.036 ug/l
RT: 9.028 min Scan# 1265
Delta R.T. -0.000 min
Lab File: VD079644.D
Acq: 07 Aug 2024 16:41

Tgt Ion:130 Resp: 144459
Ion Ratio Lower Upper
130 100
95 95.0 0.0 177.8

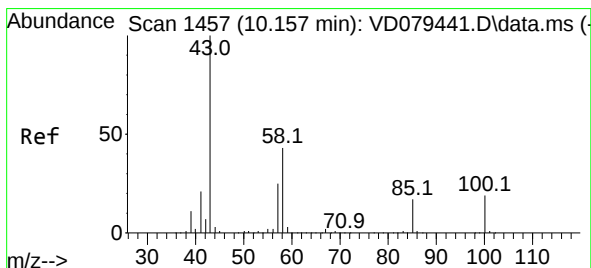
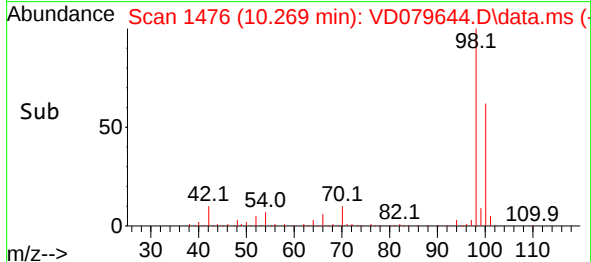
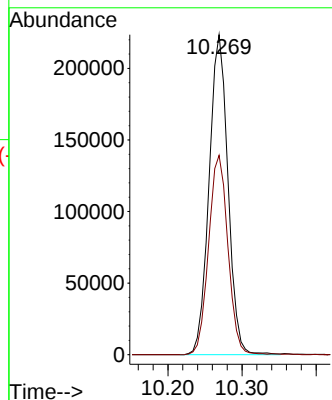
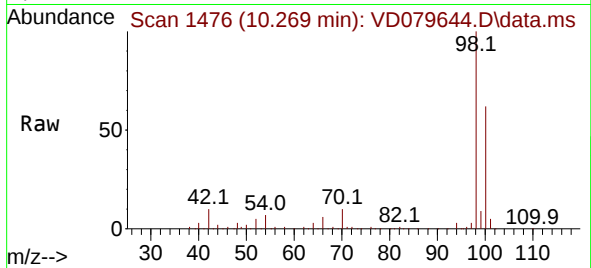




#50
Toluene-d8
Concen: 42.571 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.006 min
Lab File: VD079644.D
Acq: 07 Aug 2024 16:41

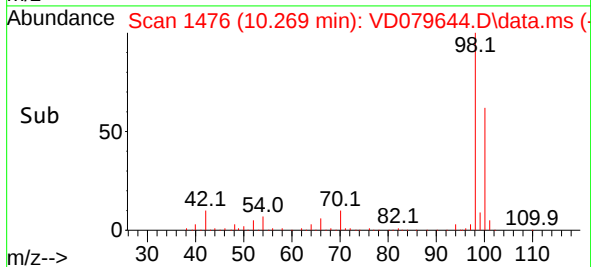
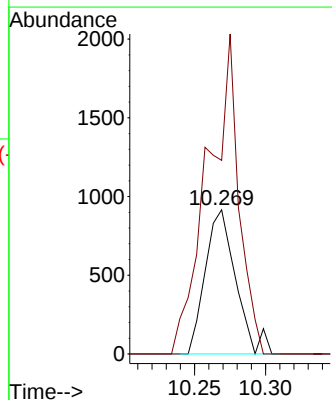
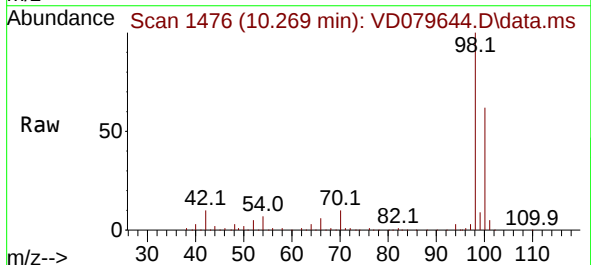
Instrument :
MSVOA_D
ClientSampleId :

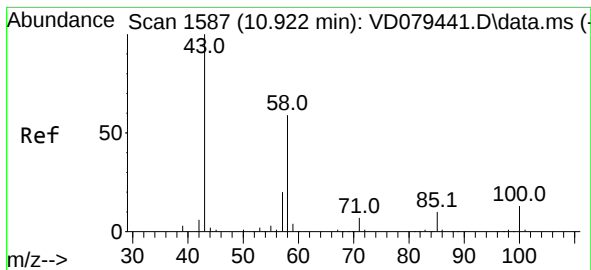
Tgt Ion: 98 Resp: 394923
Ion Ratio Lower Upper
98 100
100 63.8 51.6 77.4



#51
4-Methyl-2-Pentanone
Concen: 1.065 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.112 min
Lab File: VD079644.D
Acq: 07 Aug 2024 16:41

Tgt Ion: 43 Resp: 1366
Ion Ratio Lower Upper
43 100
58 225.8 36.6 55.0#

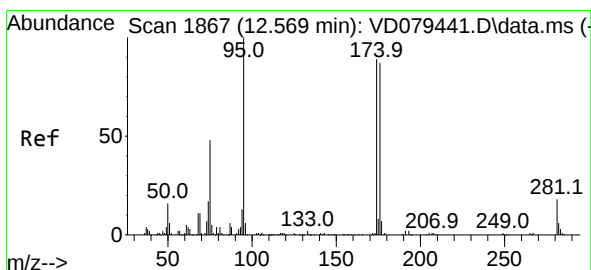
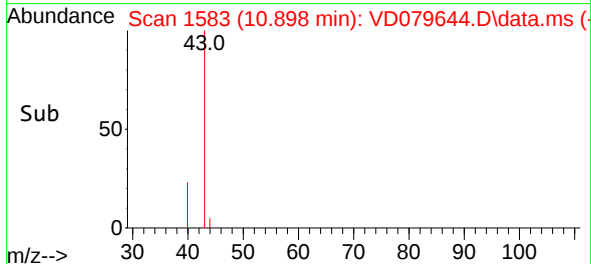
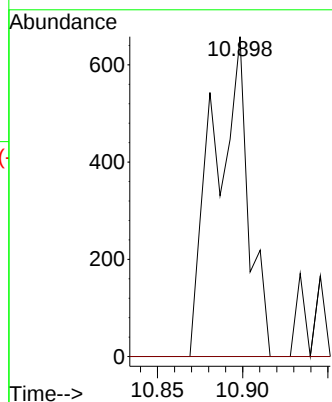
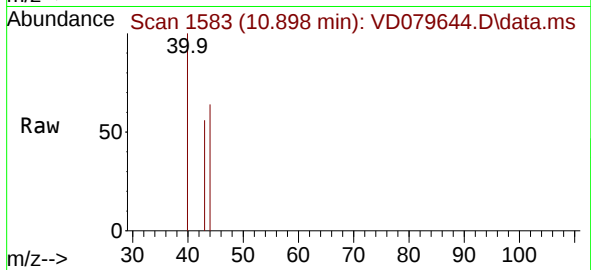




#59
2-Hexanone
Concen: 1.046 ug/l
RT: 10.898 min Scan# 11
Delta R.T. -0.018 min
Lab File: VD079644.D
Acq: 07 Aug 2024 16:41

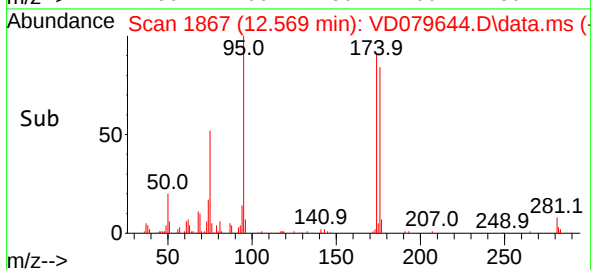
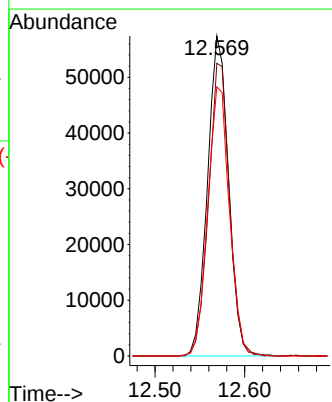
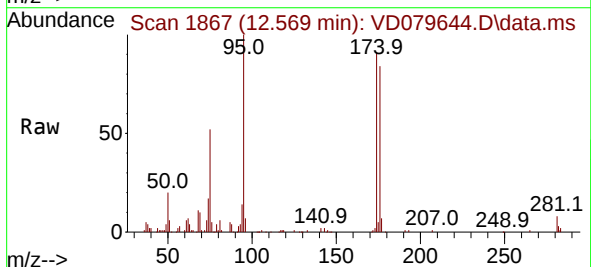
Instrument :
MSVOA_D
ClientSampleId :

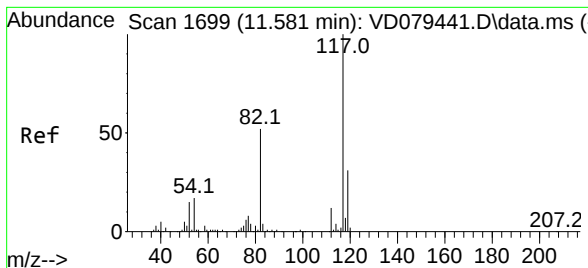
Tgt Ion: 43 Resp: 936
Ion Ratio Lower Upper
43 100
58 0.0 31.1 93.5#



#62
4-Bromofluorobenzene
Concen: 34.813 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.000 min
Lab File: VD079644.D
Acq: 07 Aug 2024 16:41

Tgt Ion: 95 Resp: 93458
Ion Ratio Lower Upper
95 100
174 91.2 0.0 195.4
176 86.9 0.0 192.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.581 min Scan# 1

Delta R.T. -0.000 min

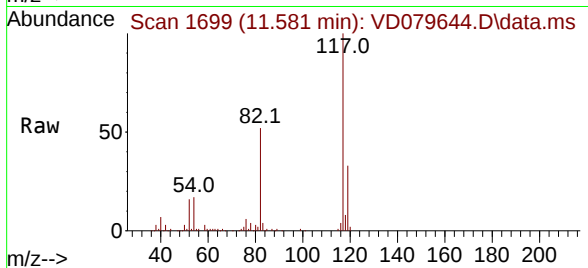
Lab File: VD079644.D

Acq: 07 Aug 2024 16:41

Instrument :

MSVOA_D

ClientSampleId :



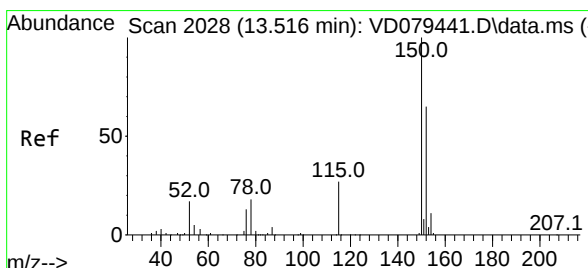
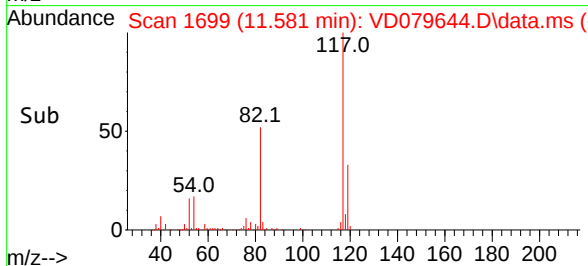
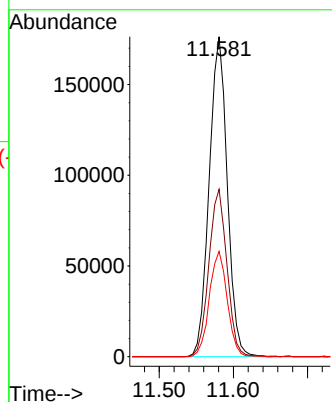
Tgt Ion:117 Resp: 298847

Ion Ratio Lower Upper

117 100

82 52.3 39.8 59.6

119 32.9 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: VD079644.D

Acq: 07 Aug 2024 16:41

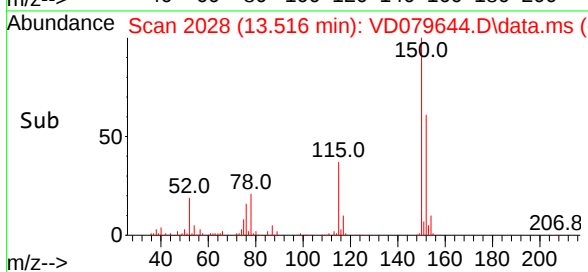
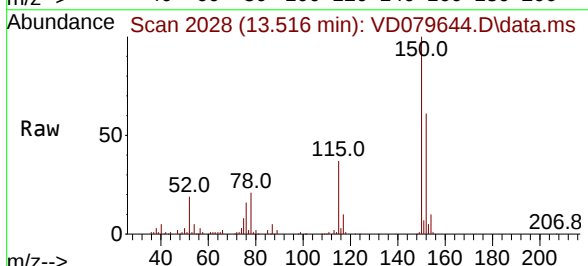
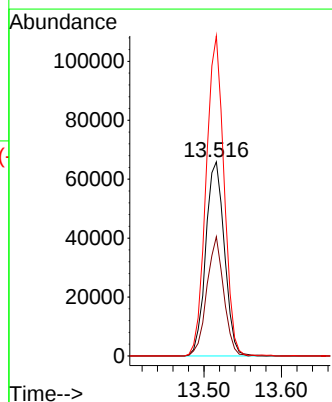
Tgt Ion:152 Resp: 110268

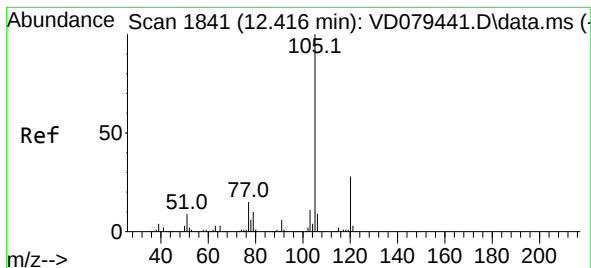
Ion Ratio Lower Upper

152 100

115 55.8 26.5 79.5

150 157.9 0.0 341.6





#73

Isopropylbenzene

Concen: 3.634 ug/l

RT: 12.428 min Scan# 1843

Delta R.T. 0.012 min

Lab File: VD079644.D

Acq: 07 Aug 2024 16:41

Instrument :

MSVOA_D

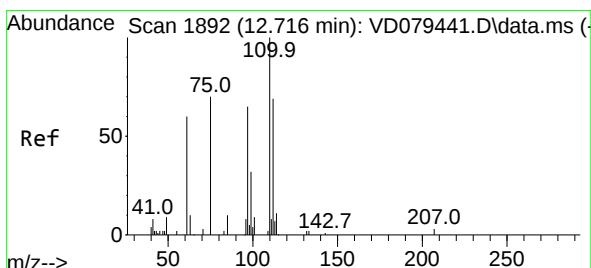
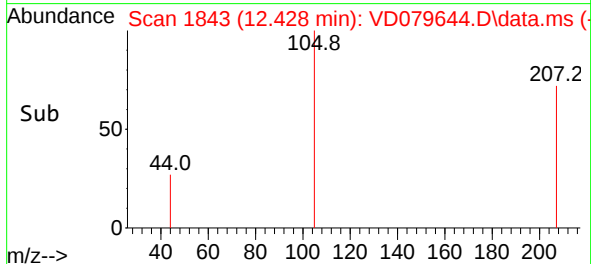
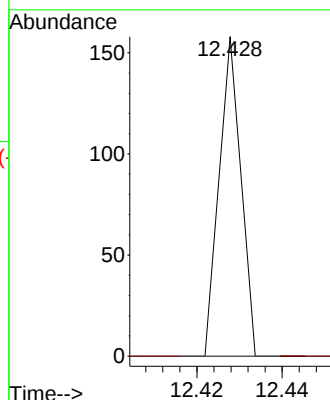
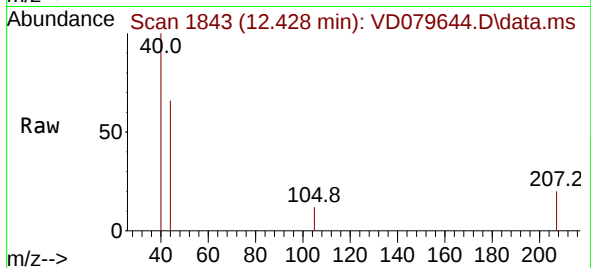
ClientSampleId :

Tgt Ion:105 Resp: 56

Ion Ratio Lower Upper

105 100

120 0.0 13.6 40.7#



#76

1,2,3-Trichloropropane

Concen: 49.387 ug/l

RT: 12.569 min Scan# 1867

Delta R.T. -0.153 min

Lab File: VD079644.D

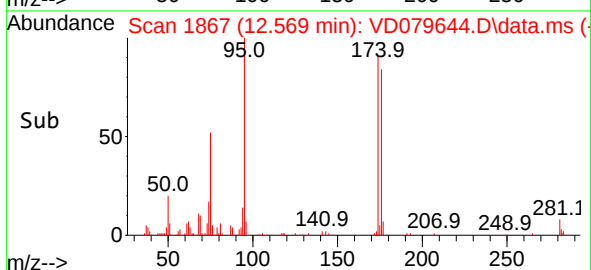
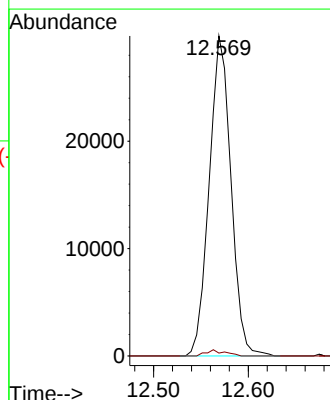
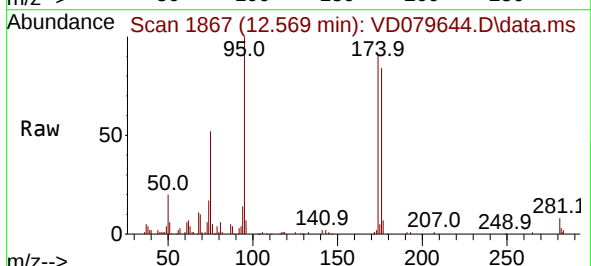
Acq: 07 Aug 2024 16:41

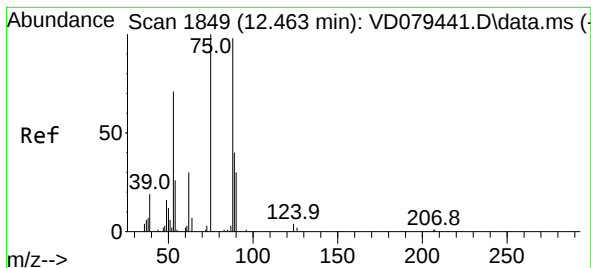
Tgt Ion: 75 Resp: 47602

Ion Ratio Lower Upper

75 100

77 1.6 0.0 0.0#

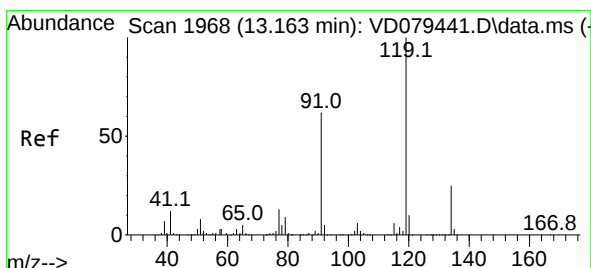
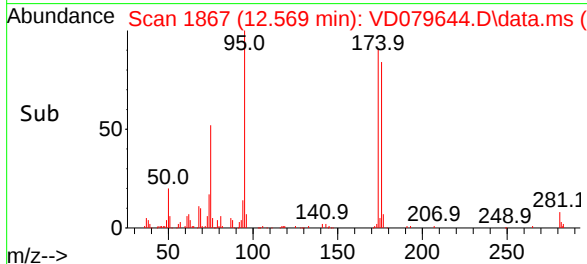
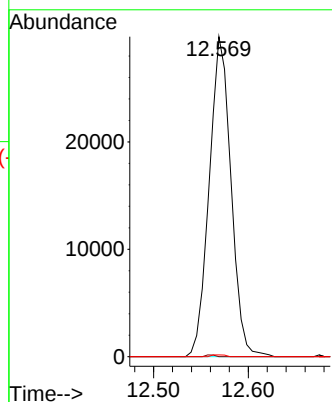
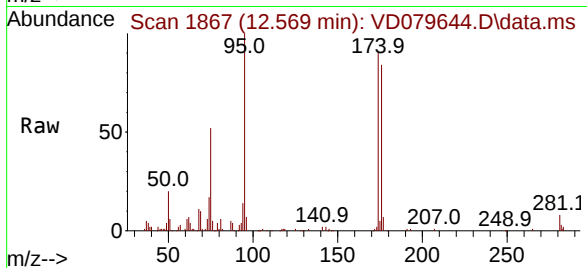




#81
 trans-1,4-Dichloro-2-butene
 Concen: 94.195 ug/l
 RT: 12.569 min Scan# 11
 Delta R.T. 0.100 min
 Lab File: VD079644.D
 Acq: 07 Aug 2024 16:41

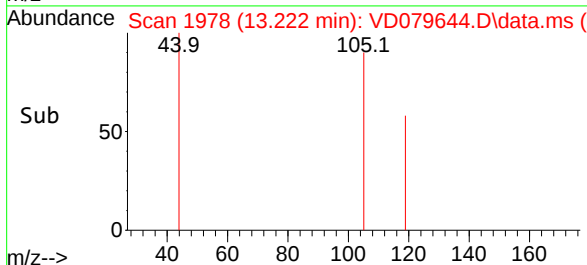
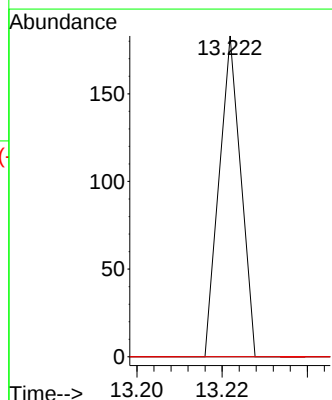
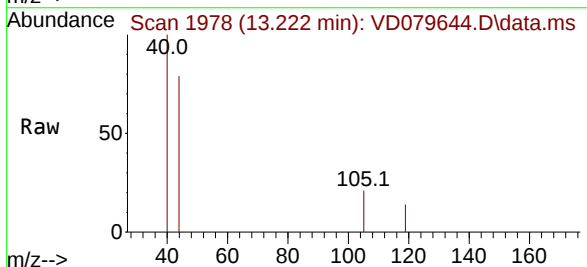
Instrument :
 MSVOA_D
 ClientSampleId :

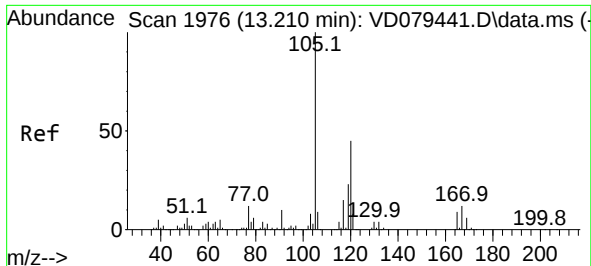
Tgt Ion: 75 Resp: 47602
 Ion Ratio Lower Upper
 75 100
 53 0.2 61.4 92.2#
 89 0.4 35.4 53.0#



#83
 tert-Butylbenzene
 Concen: 3.638 ug/l
 RT: 13.222 min Scan# 1978
 Delta R.T. 0.059 min
 Lab File: VD079644.D
 Acq: 07 Aug 2024 16:41

Tgt Ion: 119 Resp: 65
 Ion Ratio Lower Upper
 119 100
 91 0.0 28.2 84.7#
 134 0.0 13.4 40.1#

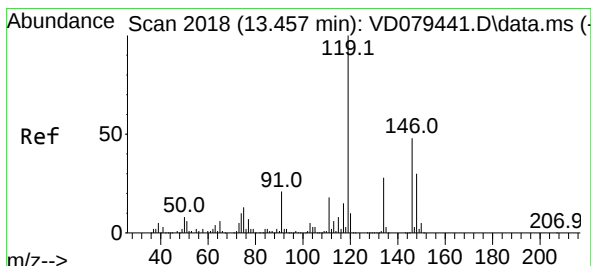
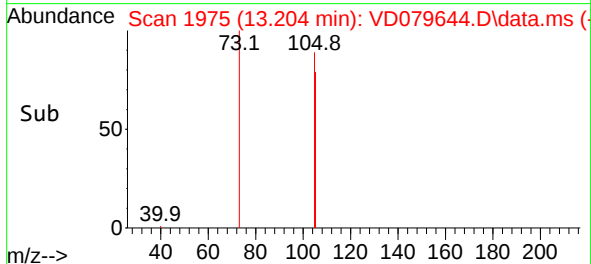
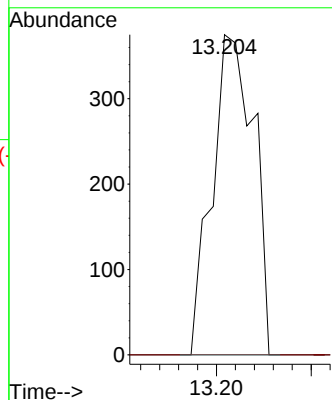
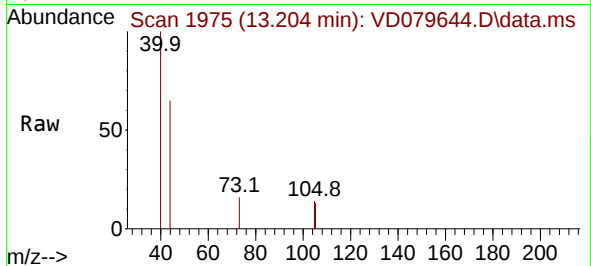




#84
 1,2,4-Trimethylbenzene
 Concen: 3.506 ug/l
 RT: 13.204 min Scan# 1975
 Delta R.T. 0.000 min
 Lab File: VD079644.D
 Acq: 07 Aug 2024 16:41

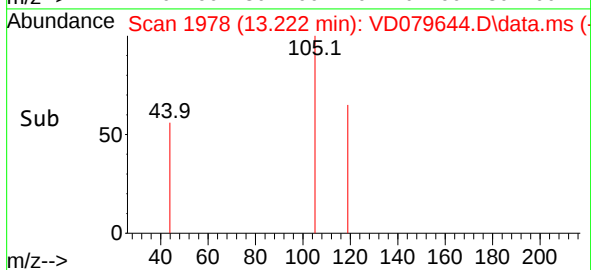
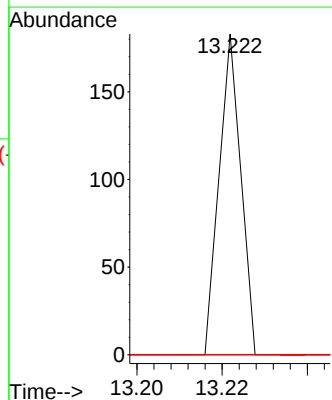
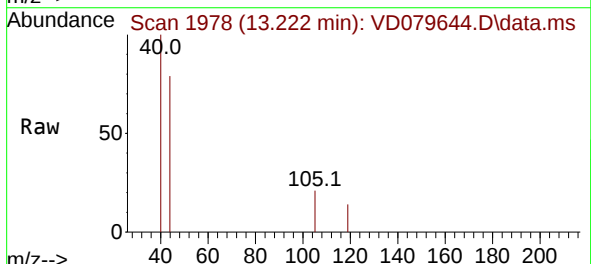
Instrument :
 MSVOA_D
 ClientSampleId :

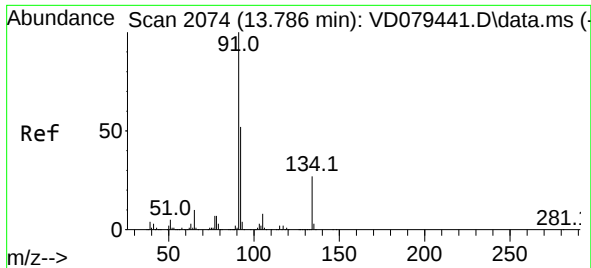
Tgt Ion:105 Resp: 573
 Ion Ratio Lower Upper
 105 100
 120 0.0 23.6 71.0#



#86
 p-Isopropyltoluene
 Concen: 3.894 ug/l
 RT: 13.222 min Scan# 1978
 Delta R.T. -0.235 min
 Lab File: VD079644.D
 Acq: 07 Aug 2024 16:41

Tgt Ion:119 Resp: 65
 Ion Ratio Lower Upper
 119 100
 134 0.0 13.7 41.1#
 91 0.0 10.7 32.1#





#89

n-Butylbenzene

Concen: 3.808 ug/l

RT: 13.510 min Scan# 20

Delta R.T. -0.271 min

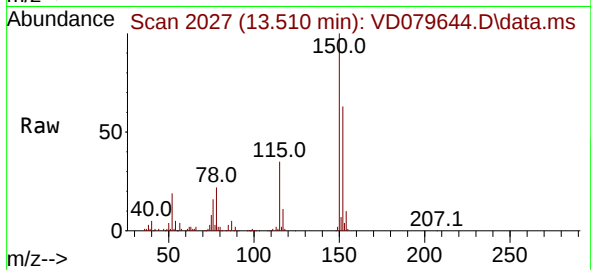
Lab File: VD079644.D

Acq: 07 Aug 2024 16:41

Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion: 91 Resp: 199

Ion Ratio Lower Upper

91 100

92 0.0 25.7 77.0#

134 0.0 13.6 40.8#

