

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD080724\
 Data File : VD079638.D
 Acq On : 07 Aug 2024 13:58
 Operator : RP/MD
 Sample : VD0807SBL01
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 08 01:48:56 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

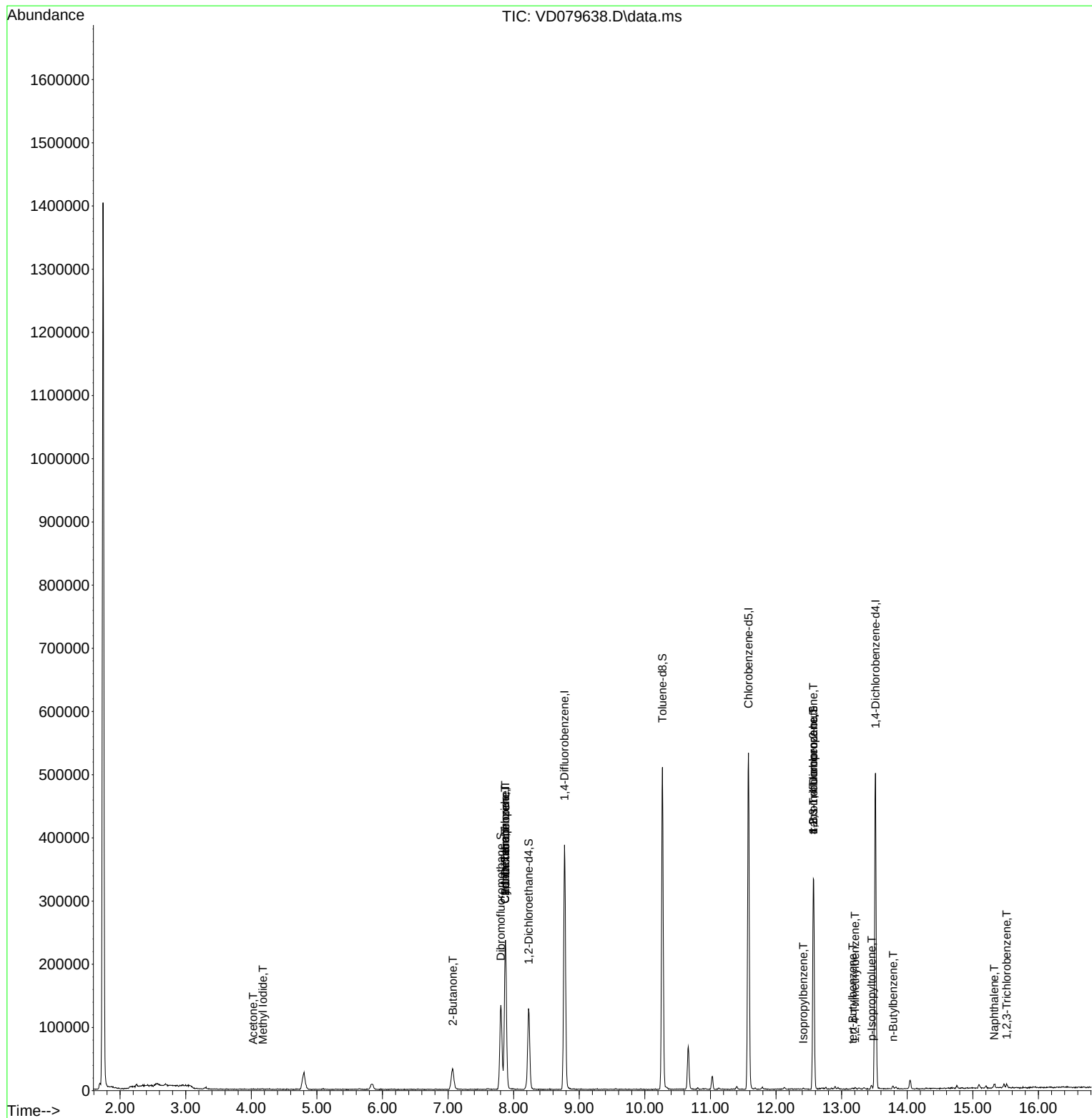
Compound	R.T. QIon		Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.875	168	180752	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	345280	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	309536	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	132924	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	96980	52.814	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 105.620%	
35) Dibromofluoromethane	7.804	113	100571	43.034	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 86.060%	
50) Toluene-d8	10.269	98	355056	39.123	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 78.240%	
62) 4-Bromofluorobenzene	12.569	95	96373	36.696	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 73.400%	
Target Compounds						Qvalue
5) Bromomethane	2.693	94	1872	Below Cal	#	78
10) Methyl Iodide	4.175	142	1121	1.047	ug/l #	59
11) Tert butyl alcohol	5.052	59	54	Below Cal	#	86
16) Acetone	4.028	43	370	1.037	ug/l #	37
20) Methylene Chloride	4.805	84	20208	Below Cal	#	83
25) 2-Butanone	7.075	43	2005	3.963	ug/l	98
31) Cyclohexane	7.869	56	4356	1.428	ug/l #	27
36) 1,1-Dichloropropene	7.875	75	15068	4.724	ug/l #	48
38) Carbon Tetrachloride	7.869	117	18356	5.474	ug/l #	16
73) Isopropylbenzene	12.416	105	1184	3.738	ug/l #	57
76) 1,2,3-Trichloropropane	12.569	75	50383	43.363	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.569	75	50383	82.705	ug/l #	19
83) tert-Butylbenzene	13.169	119	965	3.753	ug/l #	68
84) 1,2,4-Trimethylbenzene	13.204	105	1705	3.619	ug/l	90
86) p-Isopropyltoluene	13.457	119	1771	4.062	ug/l #	75
89) n-Butylbenzene	13.786	91	2619	4.064	ug/l	87
95) Naphthalene	15.328	128	5739	1.334	ug/l #	91
96) 1,2,3-Trichlorobenzene	15.516	180	2220	1.015	ug/l	83

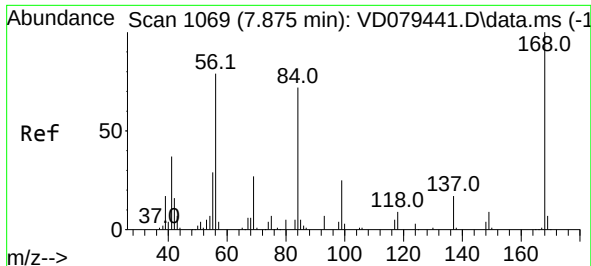
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Aug 08 01:48:56 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

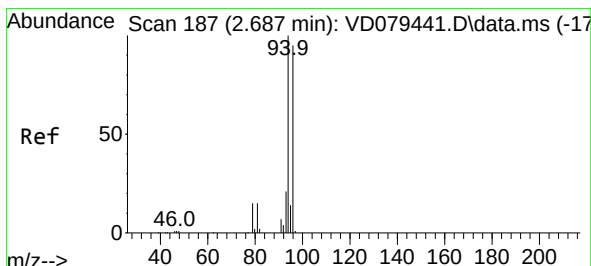
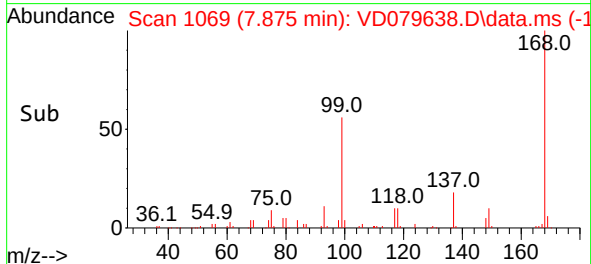
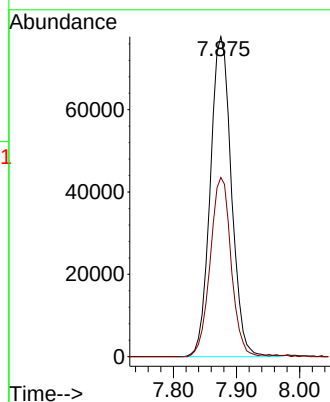
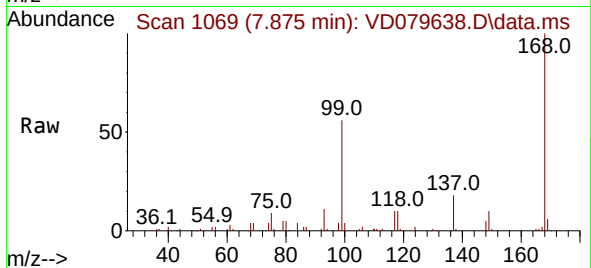




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD079638.D
Acq: 07 Aug 2024 13:58

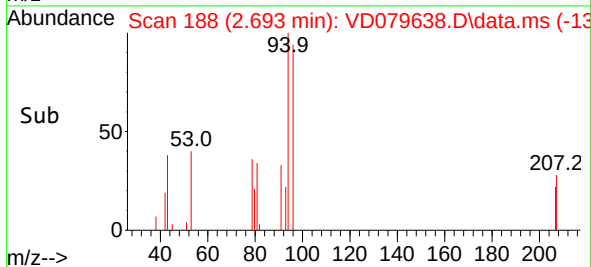
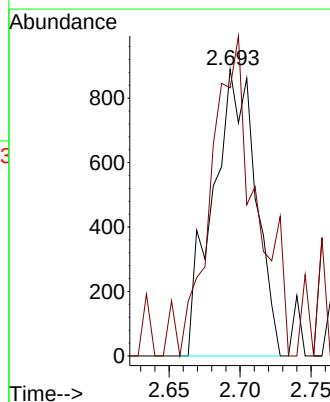
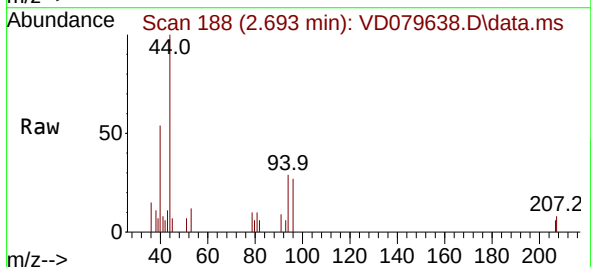
Instrument :
MSVOA_D
ClientSampleId :

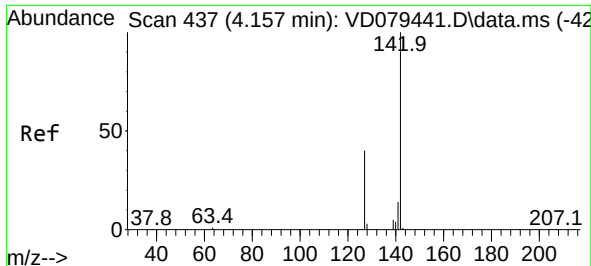
Tgt Ion:168 Resp: 180752
Ion Ratio Lower Upper
168 100
99 56.0 41.1 61.7



#5
Bromomethane
Concen: Below Cal
RT: 2.693 min Scan# 188
Delta R.T. 0.006 min
Lab File: VD079638.D
Acq: 07 Aug 2024 13:58

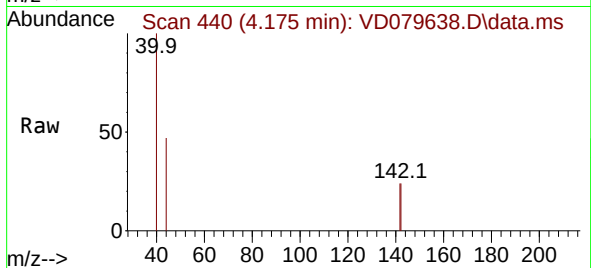
Tgt Ion: 94 Resp: 1872
Ion Ratio Lower Upper
94 100
96 117.5 76.9 115.3#



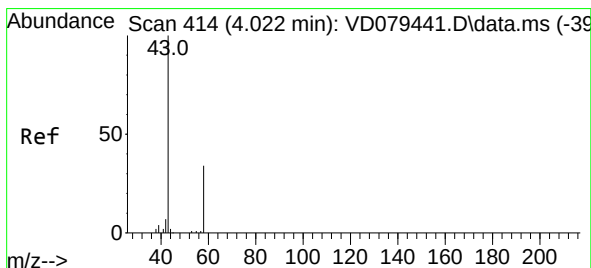
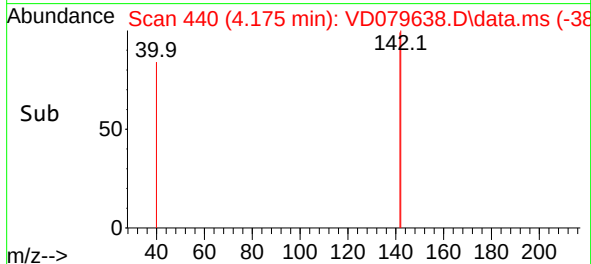
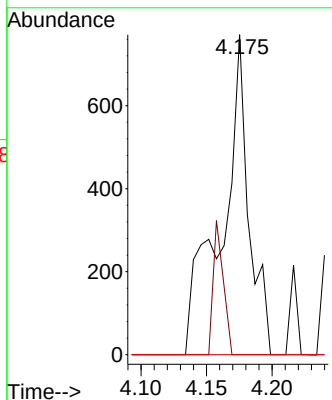


#10
Methyl Iodide
Concen: 1.047 ug/l
RT: 4.175 min Scan# 440
Delta R.T. 0.023 min
Lab File: VD079638.D
Acq: 07 Aug 2024 13:58

Instrument :
MSVOA_D
ClientSampleId :

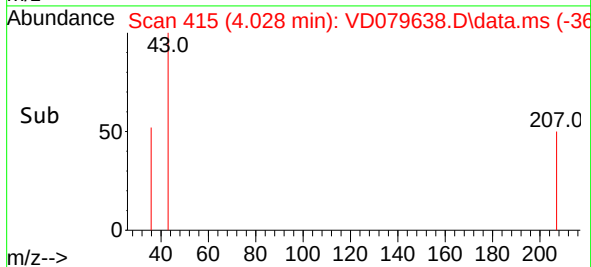
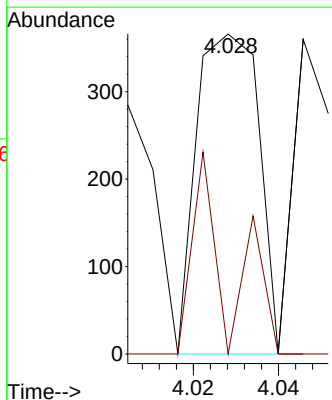
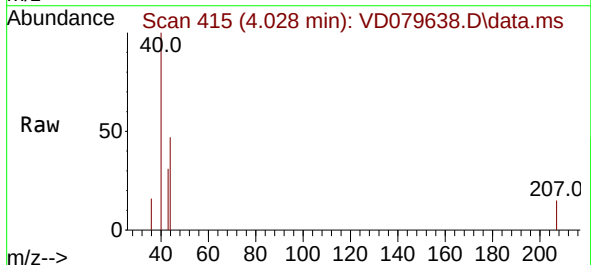


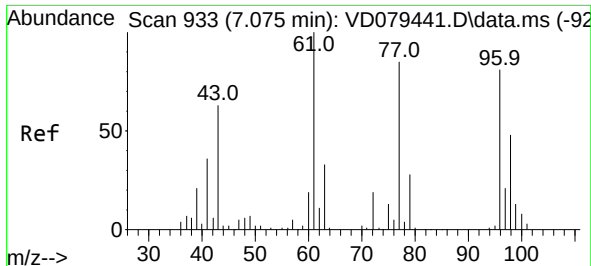
Tgt Ion:142 Resp: 1121
Ion Ratio Lower Upper
142 100
127 15.3 34.2 51.4#
141 0.0 11.7 17.5#



#16
Acetone
Concen: 1.037 ug/l
RT: 4.028 min Scan# 415
Delta R.T. 0.006 min
Lab File: VD079638.D
Acq: 07 Aug 2024 13:58

Tgt Ion: 43 Resp: 370
Ion Ratio Lower Upper
43 100
58 0.0 30.4 45.6#

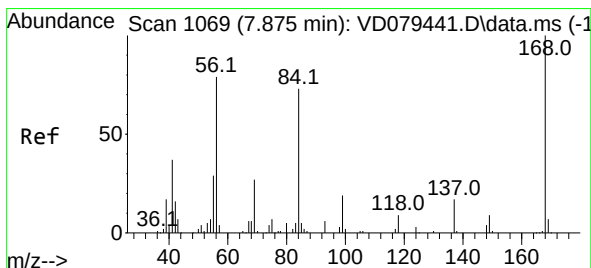
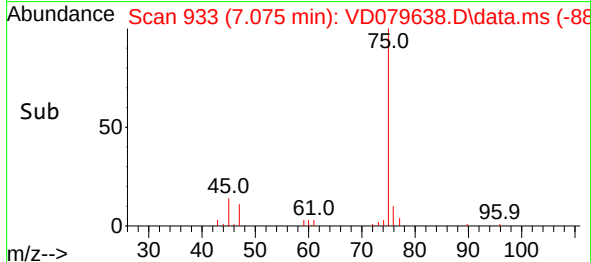
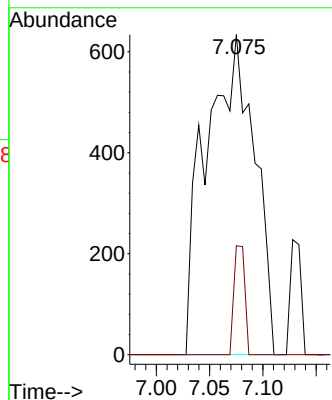
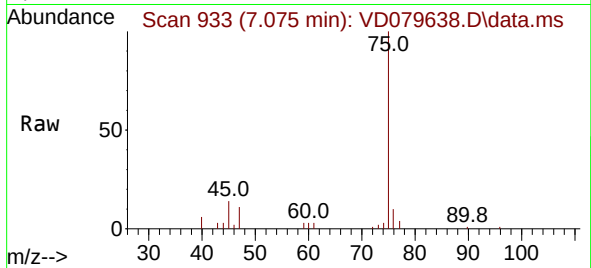




#25
2-Butanone
Concen: 3.963 ug/l
RT: 7.075 min Scan# 91
Delta R.T. -0.018 min
Lab File: VD079638.D
Acq: 07 Aug 2024 13:58

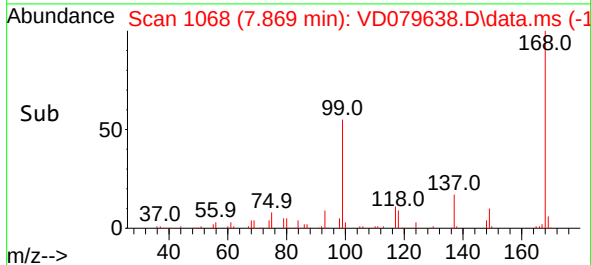
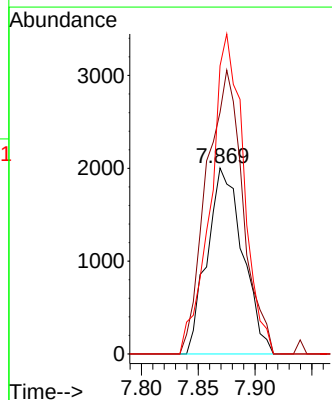
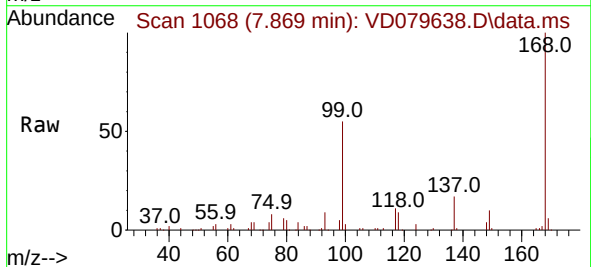
Instrument :
MSVOA_D
ClientSampleId :

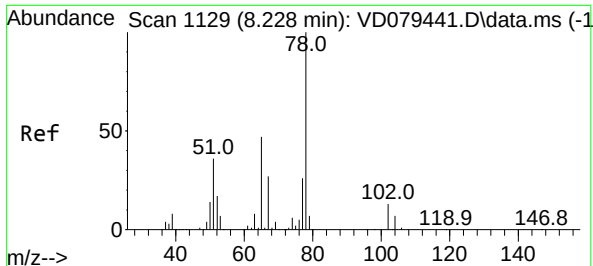
Tgt Ion: 43 Resp: 2005
Ion Ratio Lower Upper
43 100
72 34.1 26.4 39.6



#31
Cyclohexane
Concen: 1.428 ug/l
RT: 7.869 min Scan# 1068
Delta R.T. -0.012 min
Lab File: VD079638.D
Acq: 07 Aug 2024 13:58

Tgt Ion: 56 Resp: 4356
Ion Ratio Lower Upper
56 100
69 129.9 28.0 42.0#
84 155.0 87.4 131.0#





#33

1,2-Dichloroethane-d4

Concen: 52.814 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.000 min

Lab File: VD079638.D

Acq: 07 Aug 2024 13:58

Instrument :

MSVOA_D

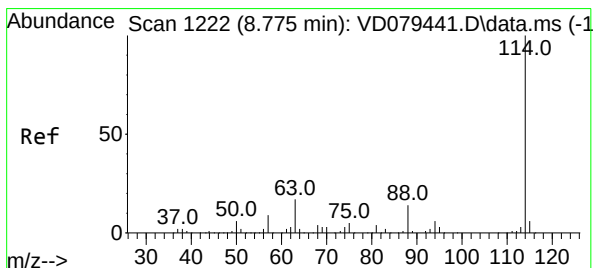
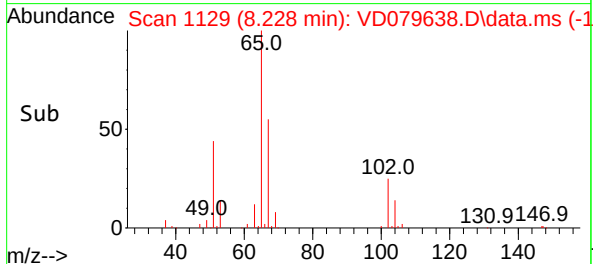
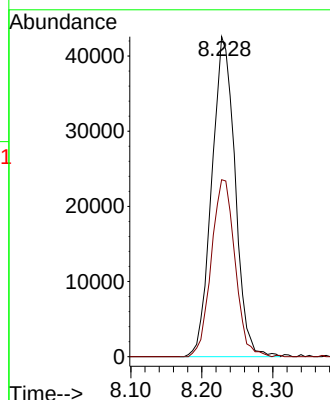
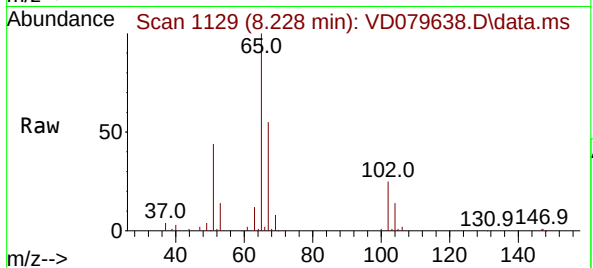
ClientSampleId :

Tgt Ion: 65 Resp: 96980

Ion Ratio Lower Upper

65 100

67 56.2 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: VD079638.D

Acq: 07 Aug 2024 13:58

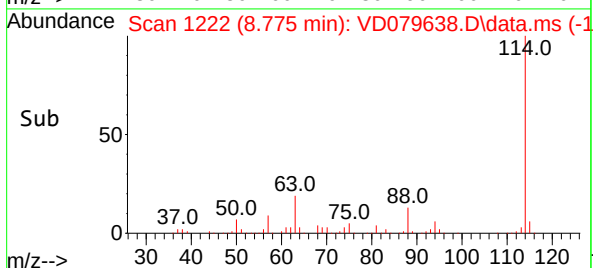
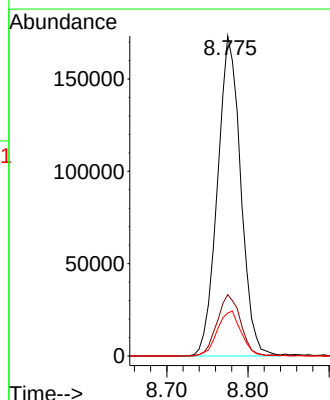
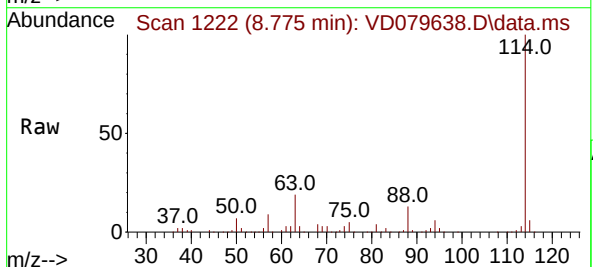
Tgt Ion: 114 Resp: 345280

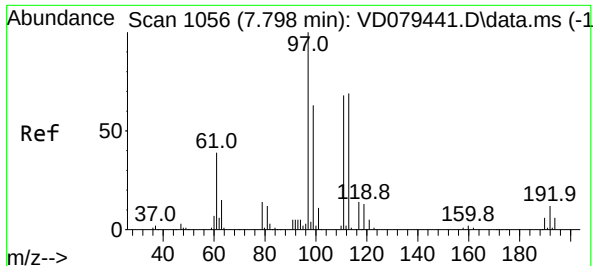
Ion Ratio Lower Upper

114 100

63 19.2 0.0 34.0

88 13.4 0.0 27.2





#35

Dibromofluoromethane

Concen: 43.034 ug/l

RT: 7.804 min Scan# 1057

Delta R.T. -0.000 min

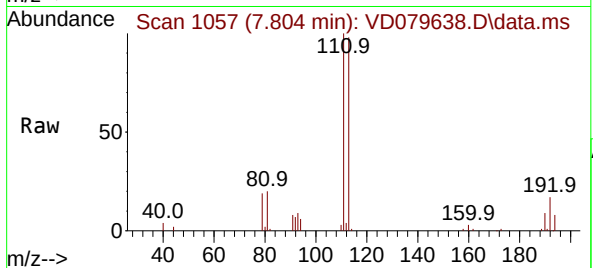
Lab File: VD079638.D

Acq: 07 Aug 2024 13:58

Instrument :

MSVOA_D

ClientSampleId :



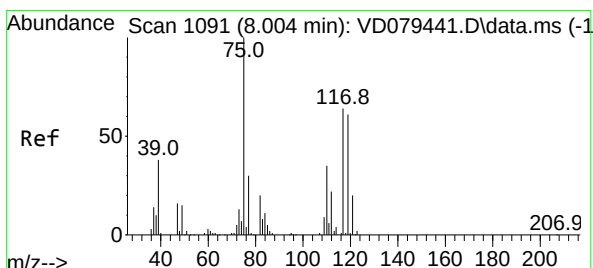
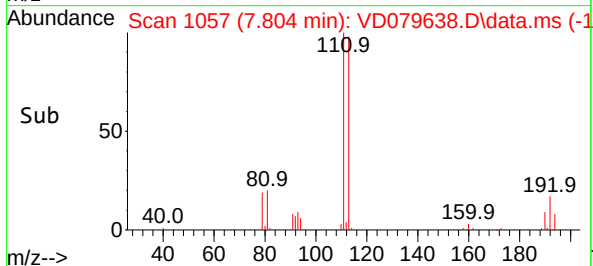
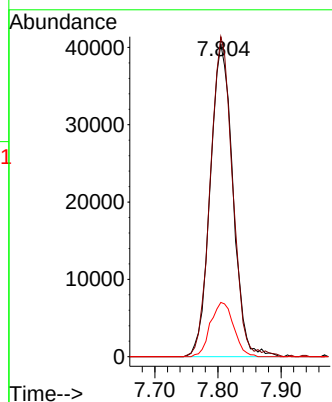
Tgt Ion:113 Resp: 100571

Ion Ratio Lower Upper

113 100

111 101.0 84.0 126.0

192 17.8 15.4 23.0



#36

1,1-Dichloropropene

Concen: 4.724 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.135 min

Lab File: VD079638.D

Acq: 07 Aug 2024 13:58

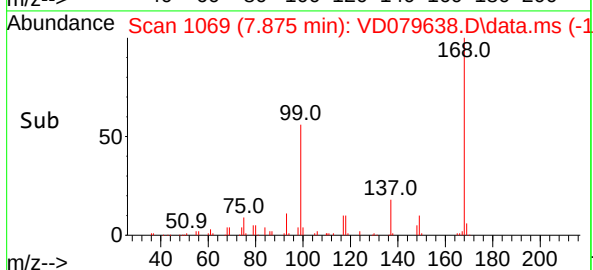
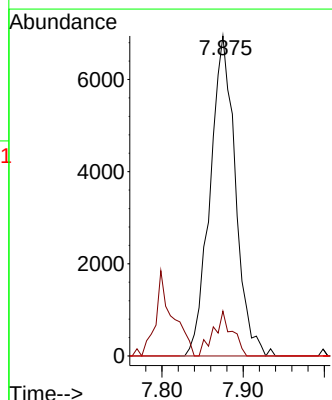
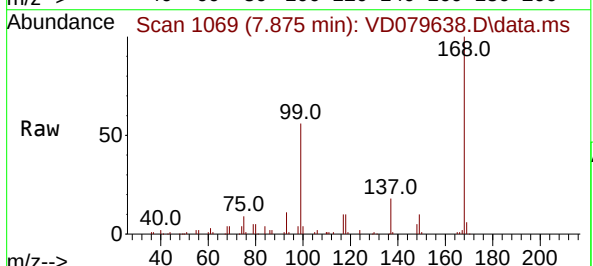
Tgt Ion: 75 Resp: 15068

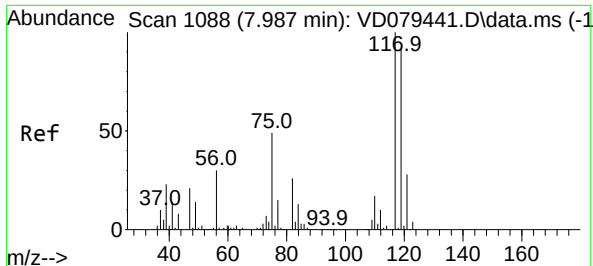
Ion Ratio Lower Upper

75 100

110 10.2 19.6 58.7#

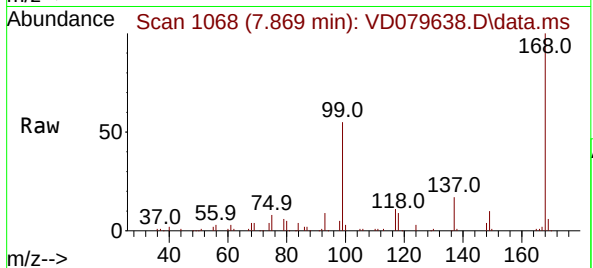
77 0.0 26.1 39.1#



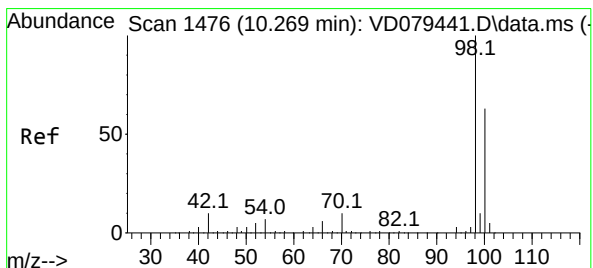
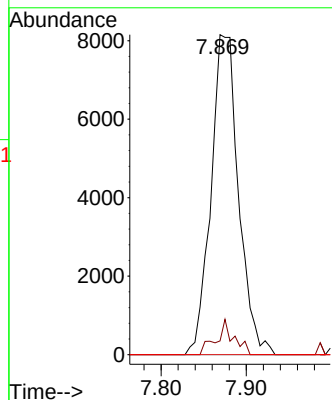
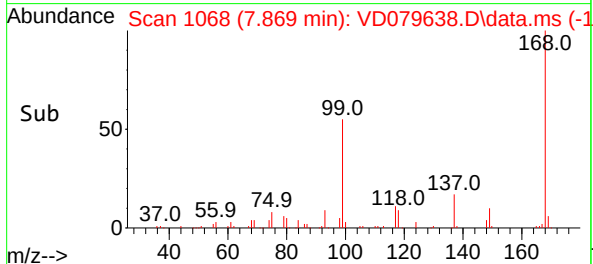


#38
Carbon Tetrachloride
Concen: 5.474 ug/l
RT: 7.869 min Scan# 1068
Delta R.T. -0.118 min
Lab File: VD079638.D
Acq: 07 Aug 2024 13:58

Instrument :
MSVOA_D
ClientSampleId :

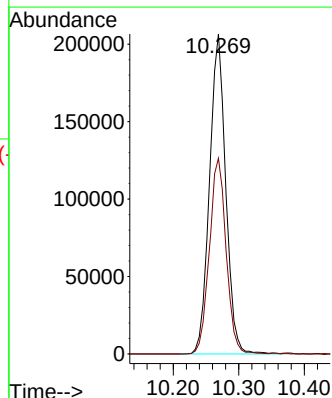
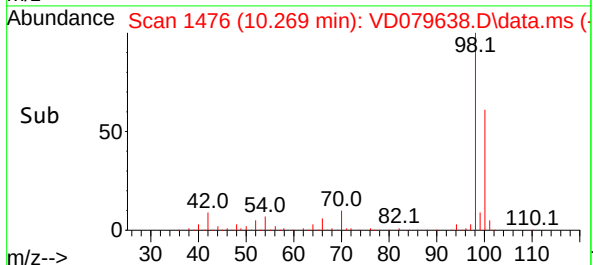
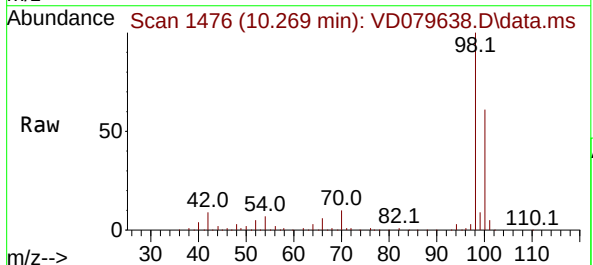


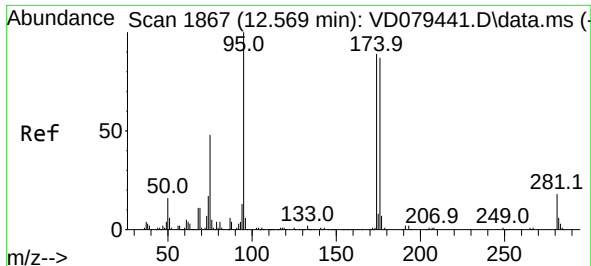
Tgt Ion:117 Resp: 18356
Ion Ratio Lower Upper
117 100
119 4.3 75.4 113.0#
121 0.0 25.0 37.4#



#50
Toluene-d8
Concen: 39.123 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.006 min
Lab File: VD079638.D
Acq: 07 Aug 2024 13:58

Tgt Ion: 98 Resp: 355056
Ion Ratio Lower Upper
98 100
100 63.1 51.6 77.4

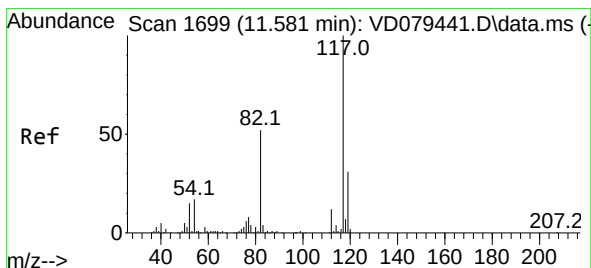
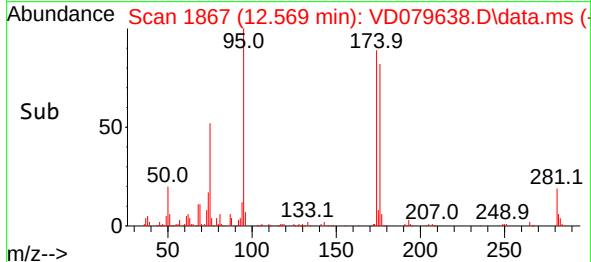
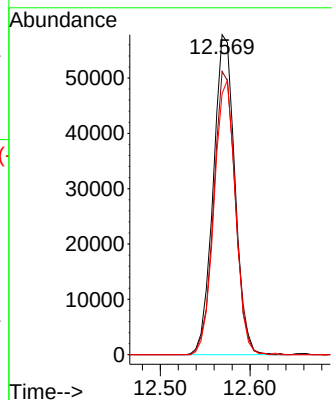
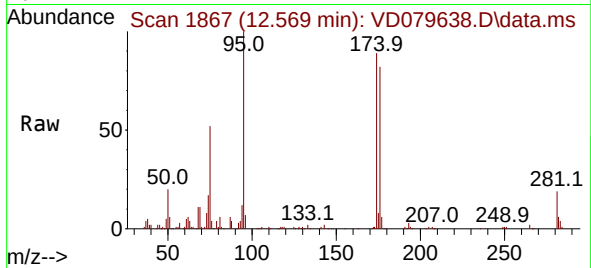




#62
4-Bromofluorobenzene
Concen: 36.696 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.000 min
Lab File: VD079638.D
Acq: 07 Aug 2024 13:58

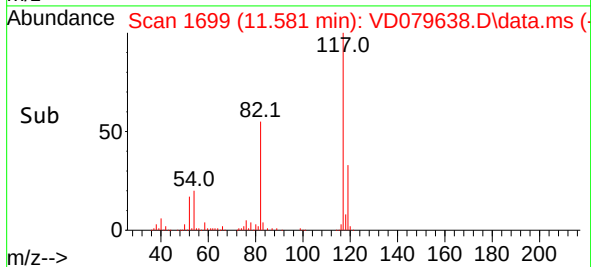
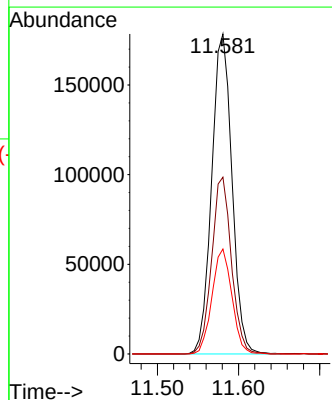
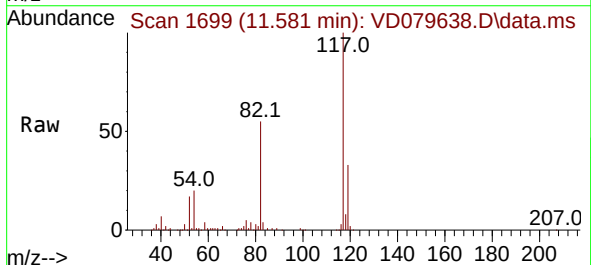
Instrument :
MSVOA_D
ClientSampleId :

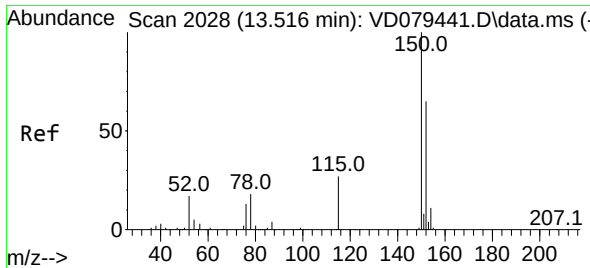
Tgt Ion: 95 Resp: 96373
Ion Ratio Lower Upper
95 100
174 88.6 0.0 195.4
176 84.9 0.0 192.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD079638.D
Acq: 07 Aug 2024 13:58

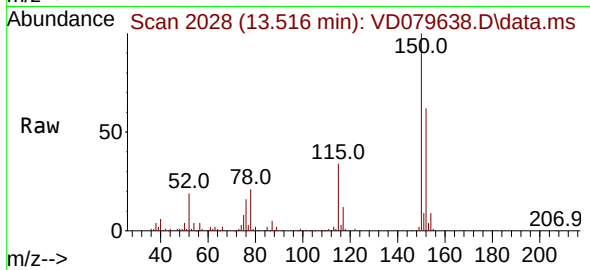
Tgt Ion: 117 Resp: 309536
Ion Ratio Lower Upper
117 100
82 55.3 39.8 59.6
119 32.8 25.7 38.5



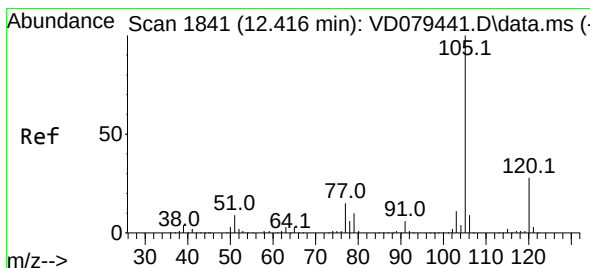
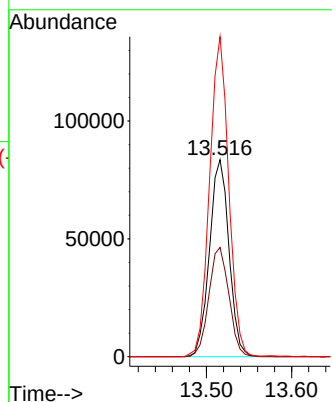
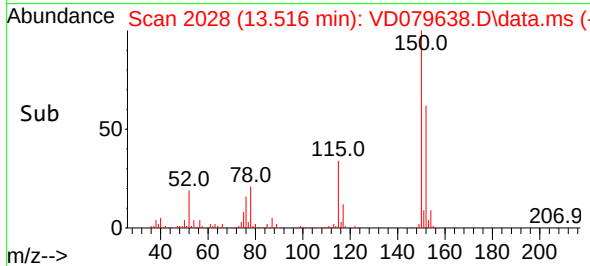


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.516 min Scan# 2028
 Delta R.T. 0.006 min
 Lab File: VD079638.D
 Acq: 07 Aug 2024 13:58

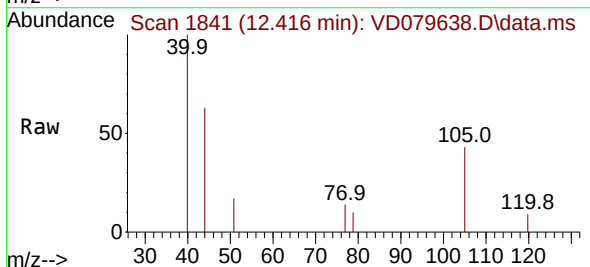
Instrument :
 MSVOA_D
 ClientSampleId :



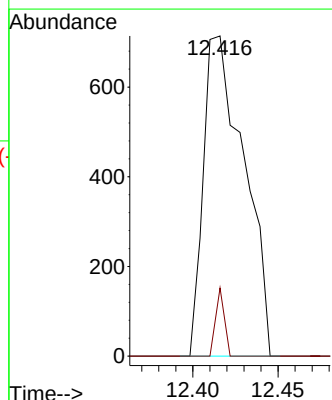
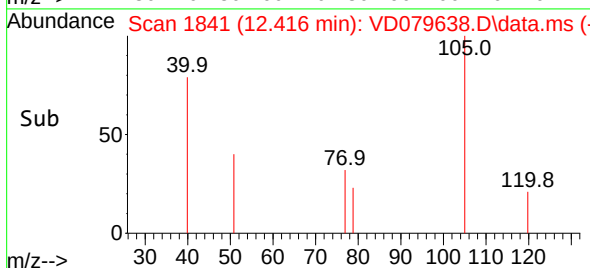
Tgt Ion:152 Resp: 132924
 Ion Ratio Lower Upper
 152 100
 115 57.0 26.5 79.5
 150 158.6 0.0 341.6

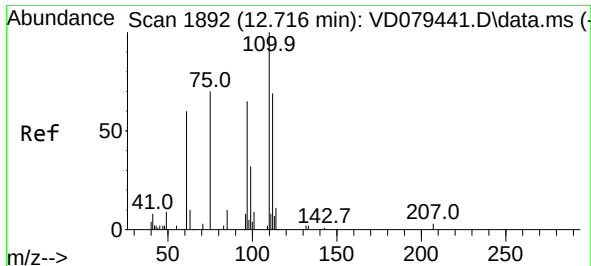


#73
 Isopropylbenzene
 Concen: 3.738 ug/l
 RT: 12.416 min Scan# 1841
 Delta R.T. -0.000 min
 Lab File: VD079638.D
 Acq: 07 Aug 2024 13:58



Tgt Ion:105 Resp: 1184
 Ion Ratio Lower Upper
 105 100
 120 4.6 13.6 40.7#

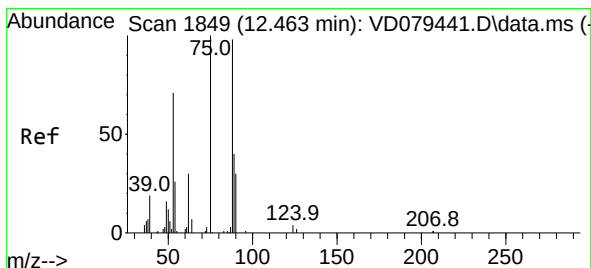
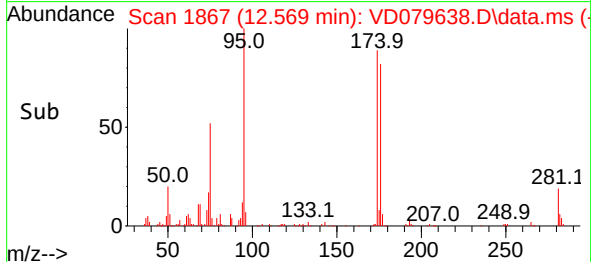
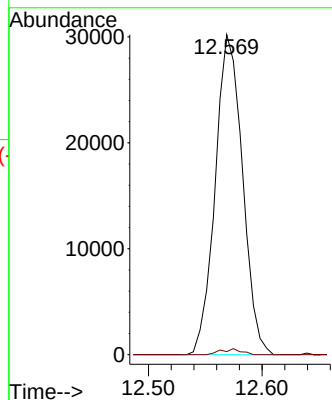
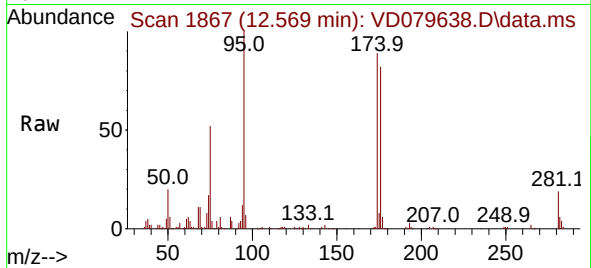




#76
1,2,3-Trichloropropane
Concen: 43.363 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.153 min
Lab File: VD079638.D
Acq: 07 Aug 2024 13:58

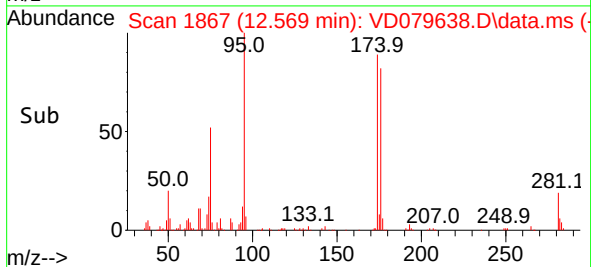
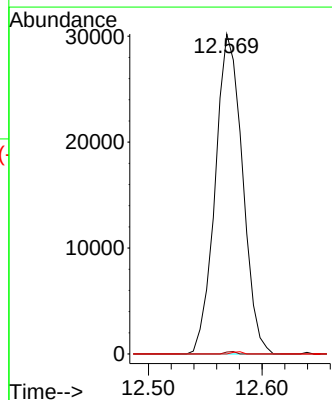
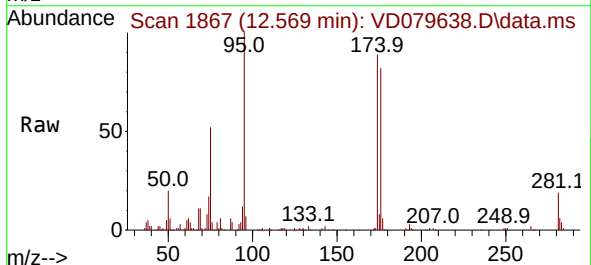
Instrument :
MSVOA_D
ClientSampleId :

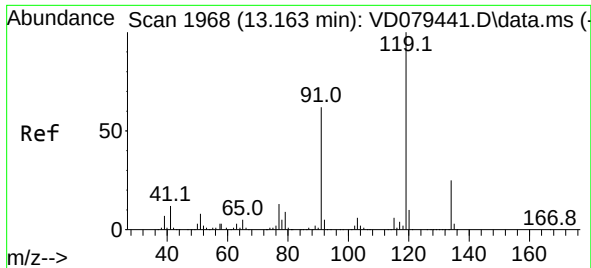
Tgt Ion: 75 Resp: 50383
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 82.705 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. 0.100 min
Lab File: VD079638.D
Acq: 07 Aug 2024 13:58

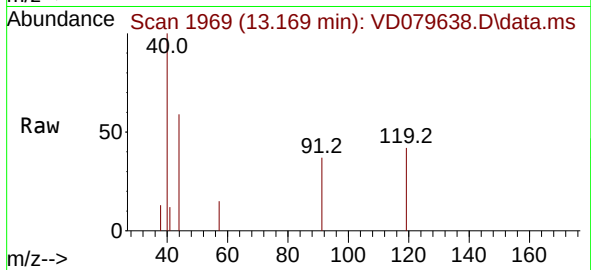
Tgt Ion: 75 Resp: 50383
Ion Ratio Lower Upper
75 100
53 0.3 61.4 92.2#
89 0.3 35.4 53.0#



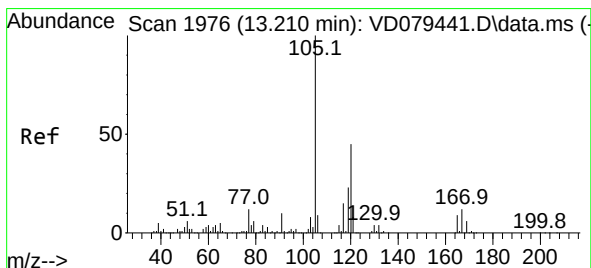
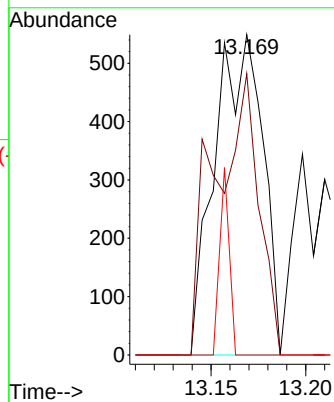
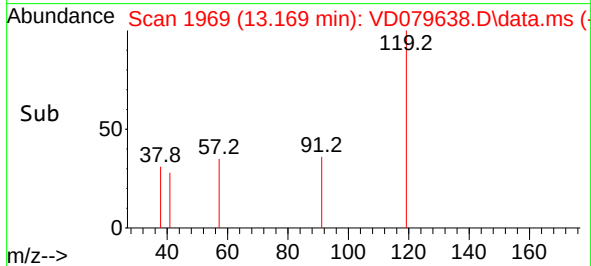


#83
tert-Butylbenzene
Concen: 3.753 ug/l
RT: 13.169 min Scan# 1968
Delta R.T. 0.006 min
Lab File: VD079638.D
Acq: 07 Aug 2024 13:58

Instrument :
MSVOA_D
ClientSampleId :

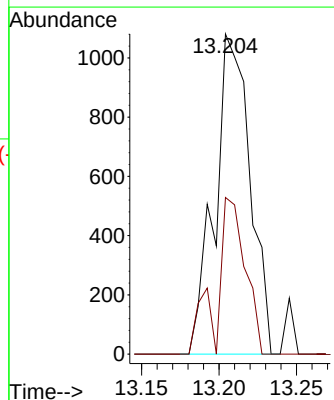
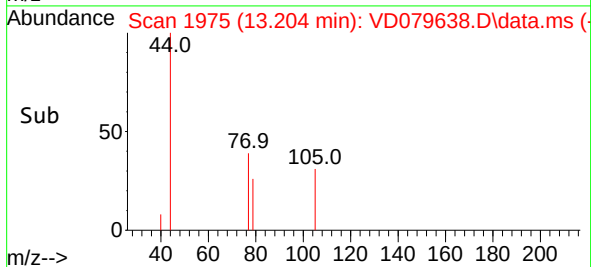
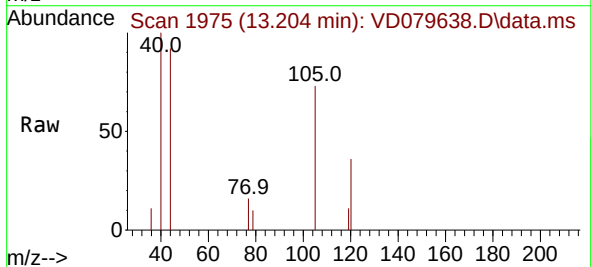


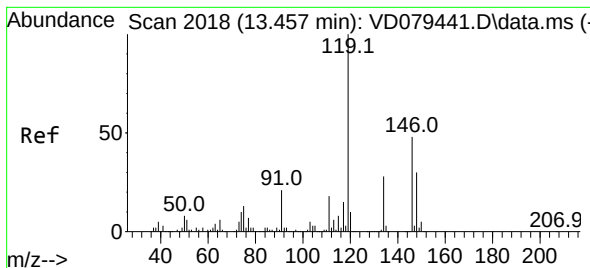
Tgt Ion:119 Resp: 965
Ion Ratio Lower Upper
119 100
91 80.7 28.2 84.7
134 11.7 13.4 40.1#



#84
1,2,4-Trimethylbenzene
Concen: 3.619 ug/l
RT: 13.204 min Scan# 1975
Delta R.T. 0.000 min
Lab File: VD079638.D
Acq: 07 Aug 2024 13:58

Tgt Ion:105 Resp: 1705
Ion Ratio Lower Upper
105 100
120 40.3 23.6 71.0





#86

p-Isopropyltoluene

Concen: 4.062 ug/l

RT: 13.457 min Scan# 2018

Delta R.T. 0.000 min

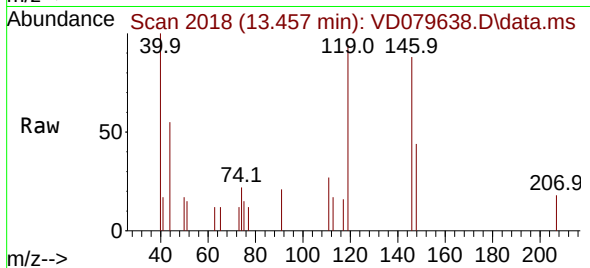
Lab File: VD079638.D

Acq: 07 Aug 2024 13:58

Instrument :

MSVOA_D

ClientSampleId :



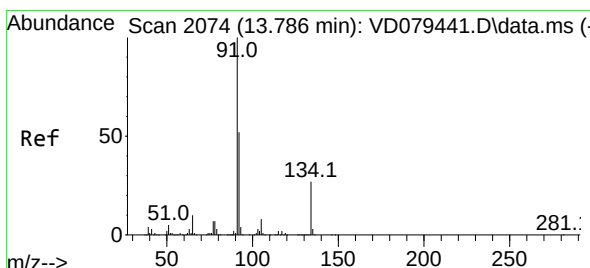
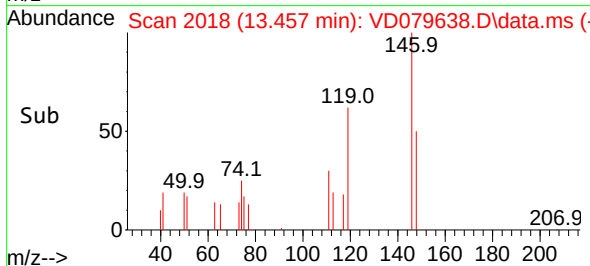
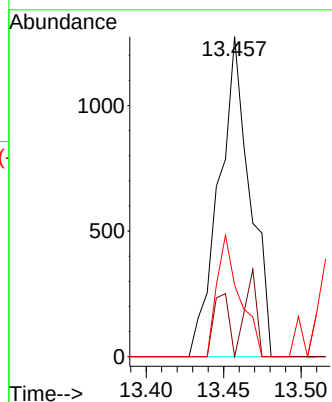
Tgt Ion:119 Resp: 1771

Ion Ratio Lower Upper

119 100

134 9.7 13.7 41.1#

91 28.0 10.7 32.1



#89

n-Butylbenzene

Concen: 4.064 ug/l

RT: 13.786 min Scan# 2074

Delta R.T. 0.005 min

Lab File: VD079638.D

Acq: 07 Aug 2024 13:58

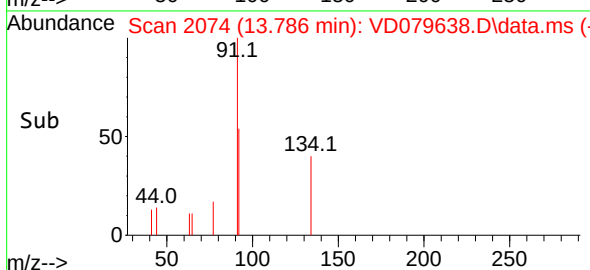
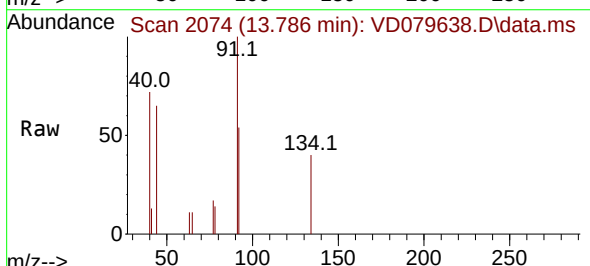
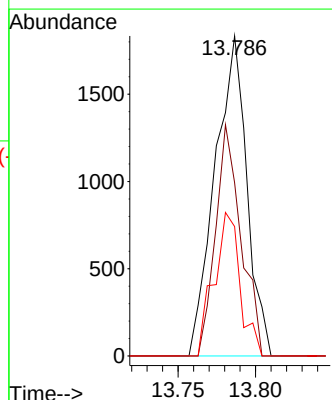
Tgt Ion: 91 Resp: 2619

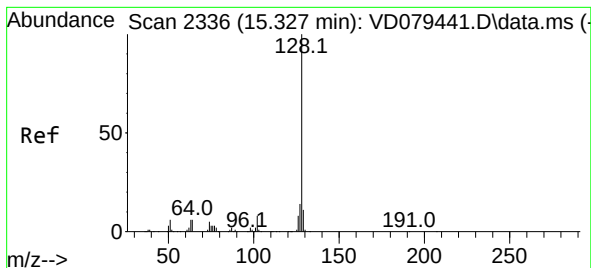
Ion Ratio Lower Upper

91 100

92 57.9 25.7 77.0

134 36.8 13.6 40.8





#95

Naphthalene

Concen: 1.334 ug/l

RT: 15.328 min Scan# 21

Delta R.T. -0.000 min

Lab File: VD079638.D

Acq: 07 Aug 2024 13:58

Instrument :

MSVOA_D

ClientSampleId :

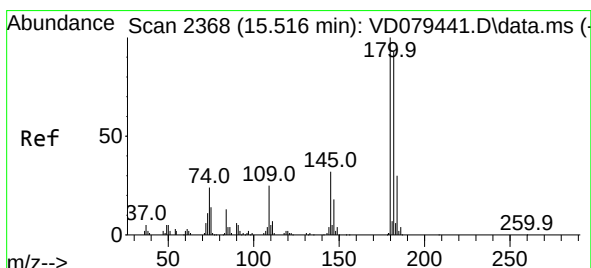
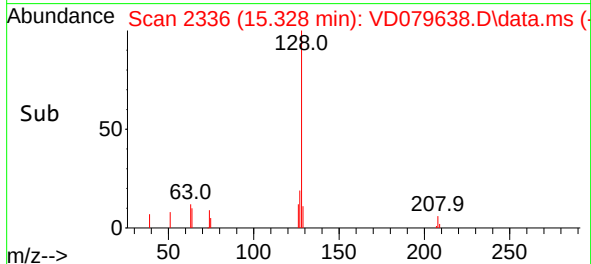
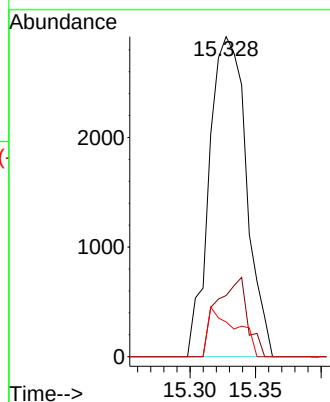
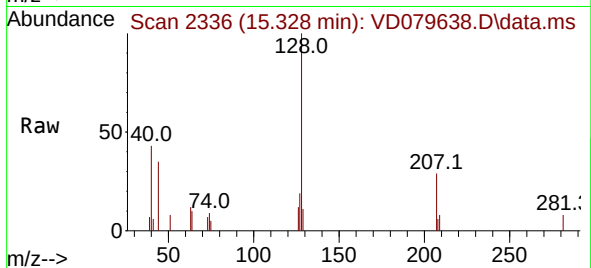
Tgt Ion:128 Resp: 5739

Ion Ratio Lower Upper

128 100

127 19.1 10.2 15.4#

129 10.9 8.5 12.7



#96

1,2,3-Trichlorobenzene

Concen: 1.015 ug/l

RT: 15.516 min Scan# 2368

Delta R.T. -0.006 min

Lab File: VD079638.D

Acq: 07 Aug 2024 13:58

Tgt Ion:180 Resp: 2220

Ion Ratio Lower Upper

180 100

182 113.5 47.8 143.3

145 25.2 16.1 48.2

