

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD080224\
 Data File : VD079548.D
 Acq On : 02 Aug 2024 17:58
 Operator : RP/MD
 Sample : P3402-03
 Misc : 5.05G/5.0ml/MSVOA_D/SOIL/A
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 355

Quant Time: Aug 02 19:02:23 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)

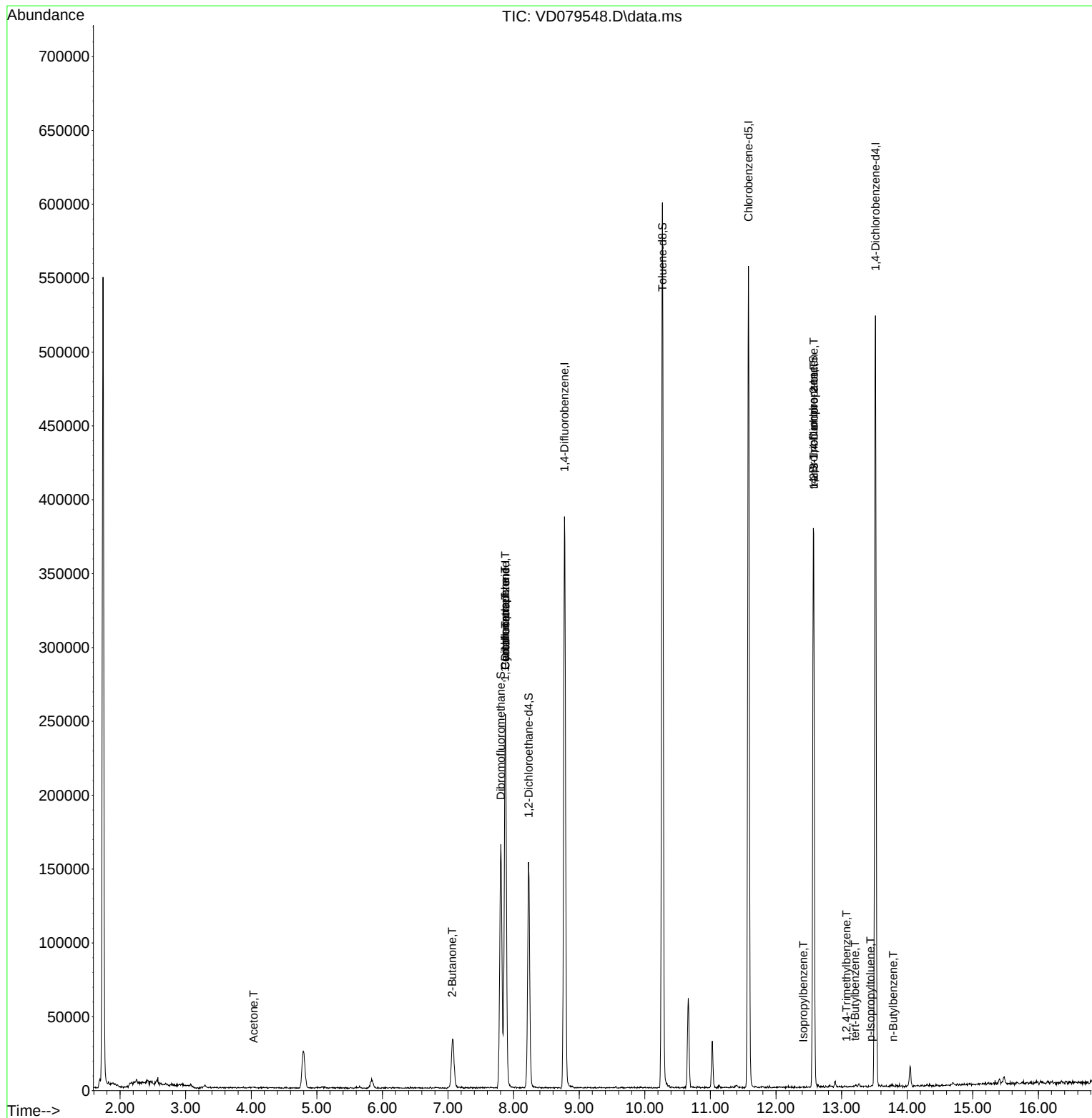
Internal Standards						
1) Pentafluorobenzene	7.875	168	199172	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	353063	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	328818	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	146391	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	113709	56.197	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	112.400%
35) Dibromofluoromethane	7.805	113	121943	51.029	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	102.060%
50) Toluene-d8	10.269	98	422693	45.549	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	91.100%
62) 4-Bromofluorobenzene	12.569	95	113220	42.160	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	84.320%
Target Compounds						Qvalue
5) Bromomethane	2.681	94	605	Below Cal	#	12
11) Tert butyl alcohol	5.052	59	468	Below Cal	#	71
16) Acetone	4.034	43	543	1.381	ug/l #	37
20) Methylene Chloride	4.793	84	20530	Below Cal		88
25) 2-Butanone	7.063	43	1684	3.021	ug/l	91
31) Cyclohexane	7.875	56	3893	1.158	ug/l #	6
36) 1,1-Dichloropropene	7.869	75	16079	4.930	ug/l #	46
38) Carbon Tetrachloride	7.875	117	18936	5.523	ug/l #	19
73) Isopropylbenzene	12.416	105	149	3.640	ug/l #	48
76) 1,2,3-Trichloropropane	12.575	75	55726	43.549	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	55726	83.061	ug/l #	19
83) tert-Butylbenzene	13.204	119	64	3.635	ug/l #	31
84) 1,2,4-Trimethylbenzene	13.075	105	186	3.447	ug/l	91
86) p-Isopropyltoluene	13.440	119	60	3.892	ug/l #	51
89) n-Butylbenzene	13.787	91	221	3.804	ug/l #	34

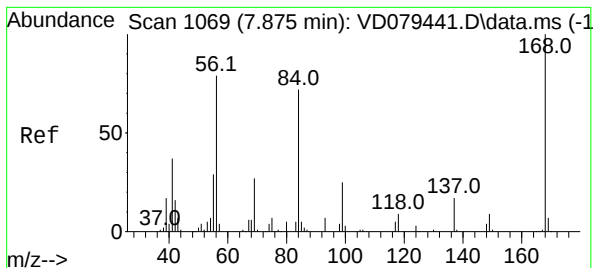
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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355

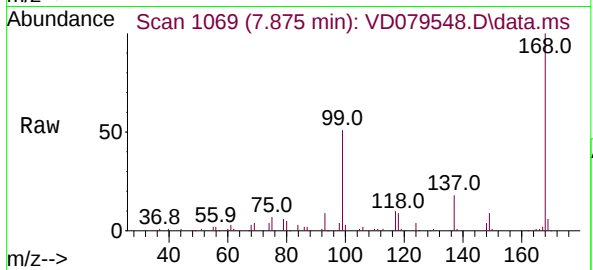
Quant Time: Aug 02 19:02:23 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D072924S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 30 03:50:47 2024
Response via : Initial Calibration



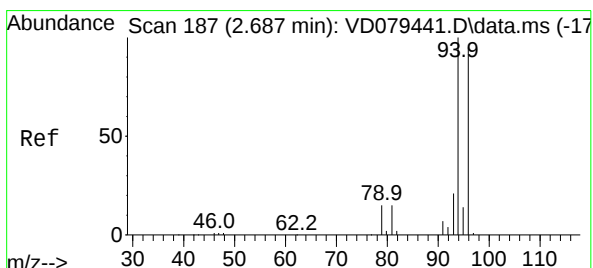
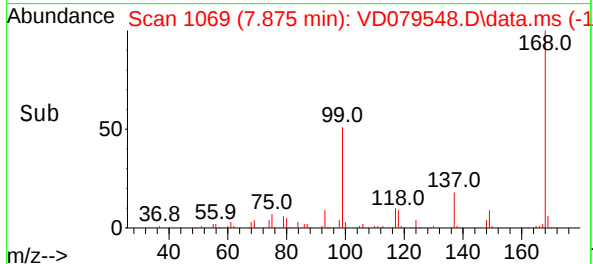
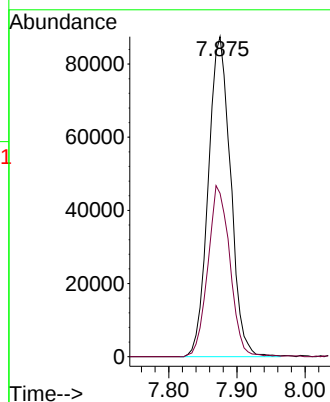


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1
Delta R.T. 0.000 min
Lab File: VD079548.D
Acq: 02 Aug 2024 17:58

Instrument :
MSVOA_D
ClientSampleId :
355

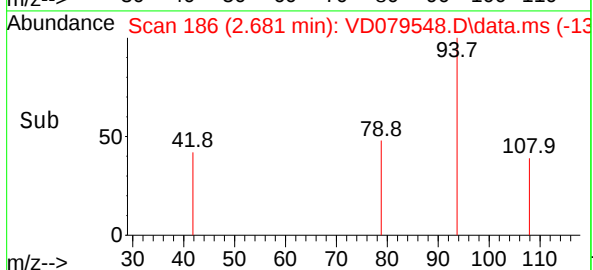
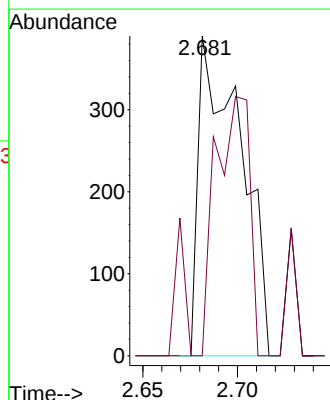
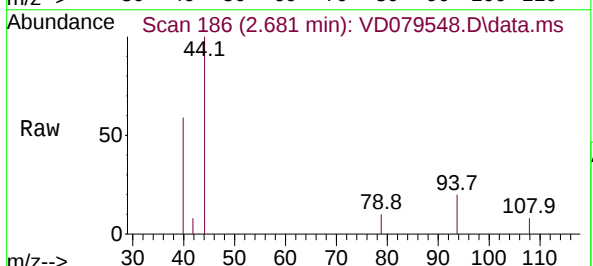


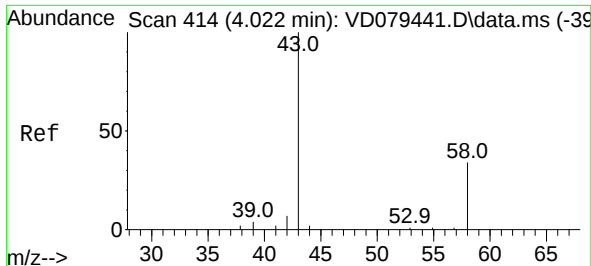
Tgt Ion:168 Resp: 199172
Ion Ratio Lower Upper
168 100
99 51.1 41.1 61.7



#5
Bromomethane
Concen: Below Cal
RT: 2.681 min Scan# 186
Delta R.T. -0.006 min
Lab File: VD079548.D
Acq: 02 Aug 2024 17:58

Tgt Ion: 94 Resp: 605
Ion Ratio Lower Upper
94 100
96 9.8 76.9 115.3#

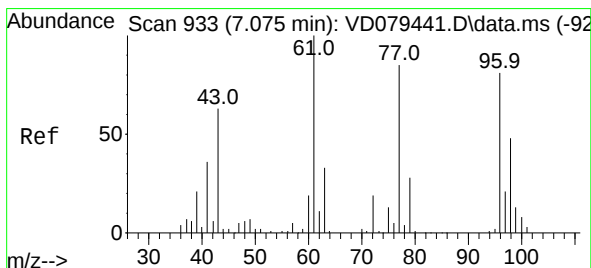
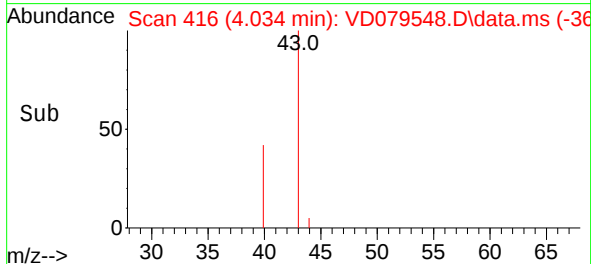
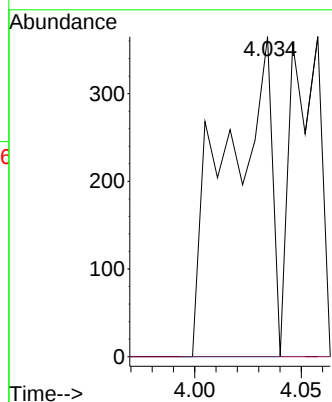
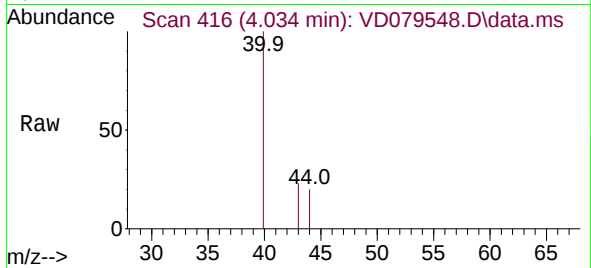




#16
Acetone
Concen: 1.381 ug/l
RT: 4.034 min Scan# 414
Delta R.T. 0.012 min
Lab File: VD079548.D
Acq: 02 Aug 2024 17:58

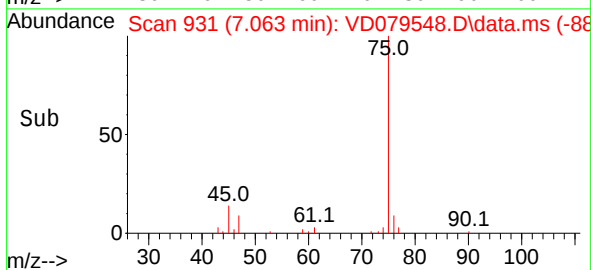
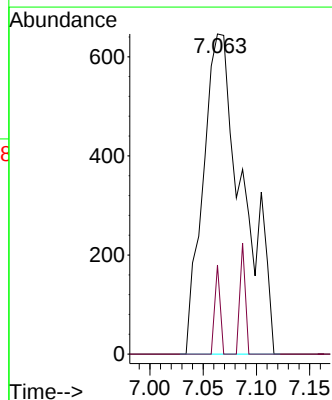
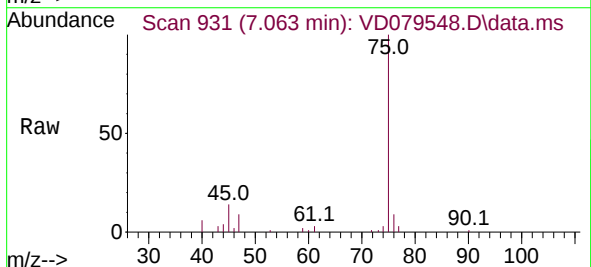
Instrument :
MSVOA_D
ClientSampleId :
355

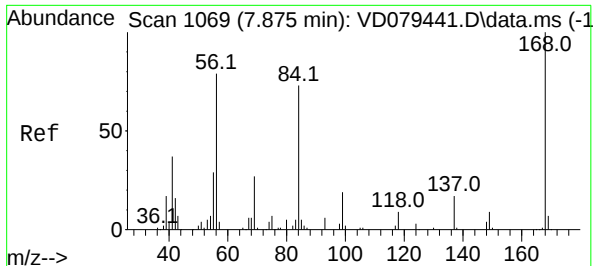
Tgt Ion: 43 Resp: 543
Ion Ratio Lower Upper
43 100
58 0.0 30.4 45.6#



#25
2-Butanone
Concen: 3.021 ug/l
RT: 7.063 min Scan# 931
Delta R.T. -0.029 min
Lab File: VD079548.D
Acq: 02 Aug 2024 17:58

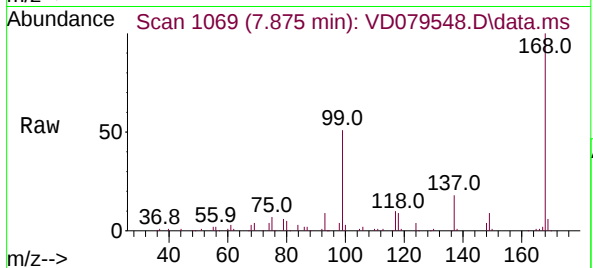
Tgt Ion: 43 Resp: 1684
Ion Ratio Lower Upper
43 100
72 27.9 26.4 39.6



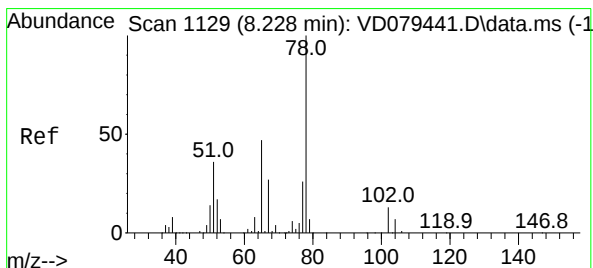
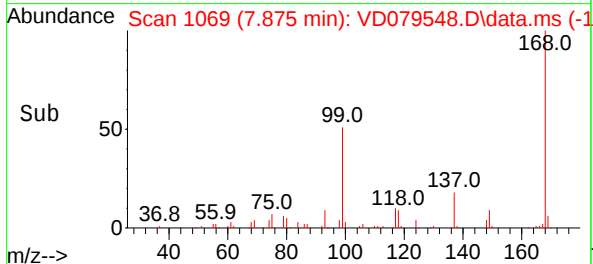
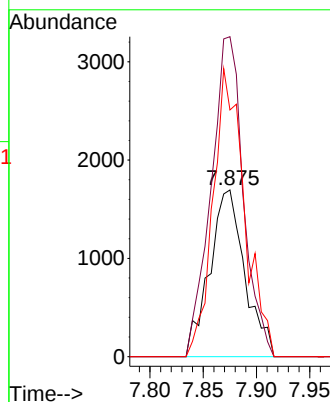


#31
Cyclohexane
Concen: 1.158 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.006 min
Lab File: VD079548.D
Acq: 02 Aug 2024 17:58

Instrument :
MSVOA_D
ClientSampleId :
355

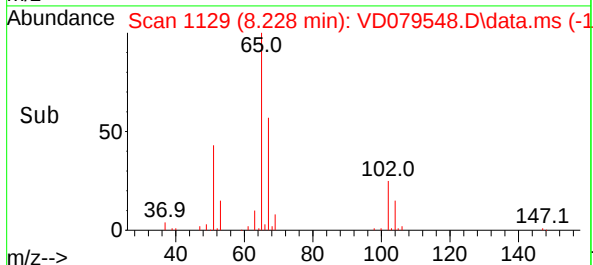
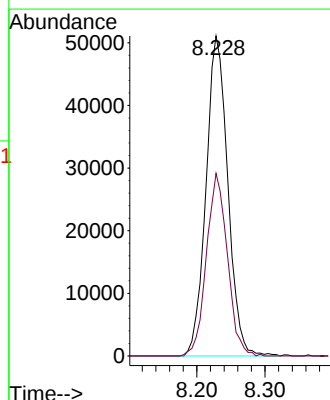
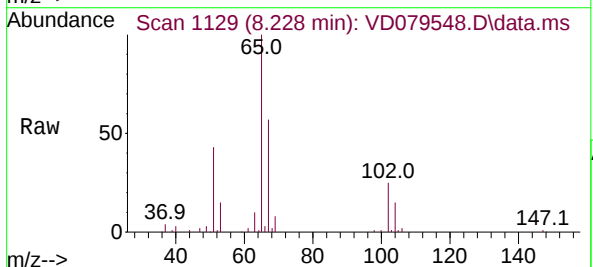


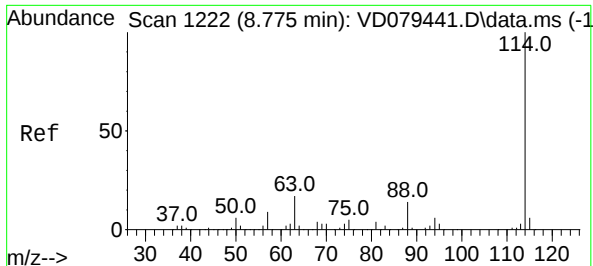
Tgt Ion: 56 Resp: 3893
Ion Ratio Lower Upper
56 100
69 192.0 28.0 42.0#
84 148.0 87.4 131.0#



#33
1,2-Dichloroethane-d4
Concen: 56.197 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. 0.000 min
Lab File: VD079548.D
Acq: 02 Aug 2024 17:58

Tgt Ion: 65 Resp: 113709
Ion Ratio Lower Upper
65 100
67 54.9 0.0 111.0

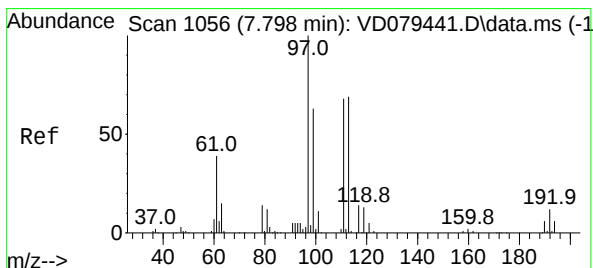
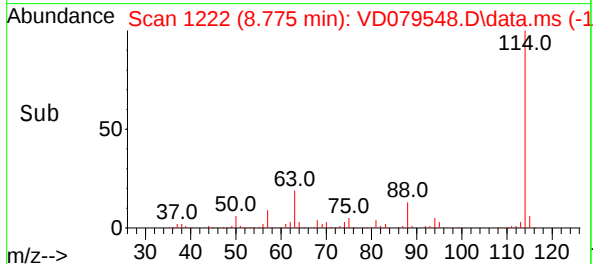
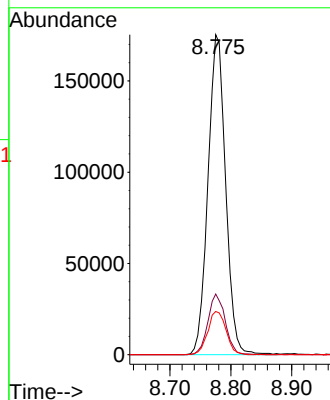
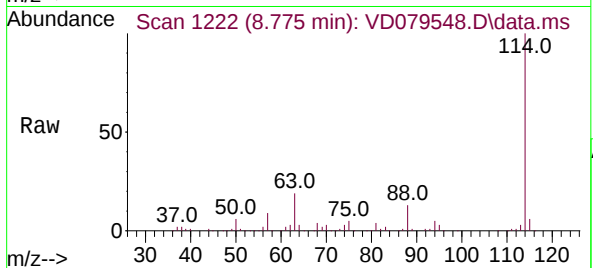




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.775 min Scan# 114
Delta R.T. 0.000 min
Lab File: VD079548.D
Acq: 02 Aug 2024 17:58

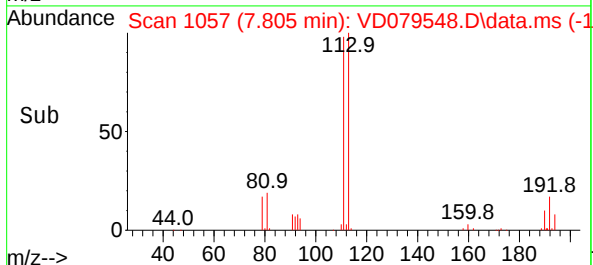
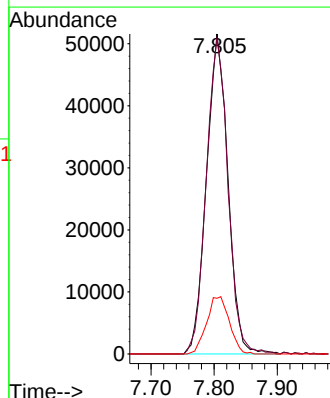
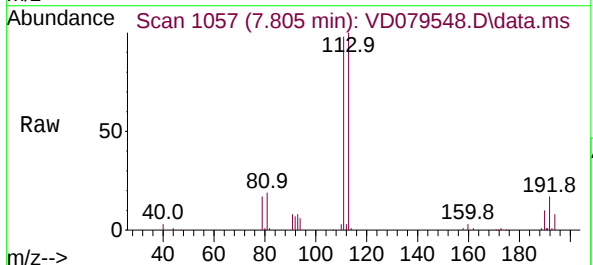
Instrument :
MSVOA_D
ClientSampleId :
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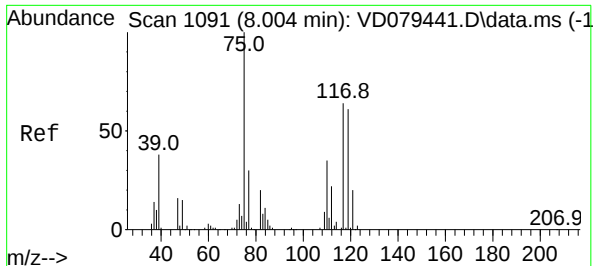
Tgt Ion:114 Resp: 353063
Ion Ratio Lower Upper
114 100
63 18.9 0.0 34.0
88 13.5 0.0 27.2



#35
Dibromofluoromethane
Concen: 51.029 ug/l
RT: 7.805 min Scan# 1057
Delta R.T. 0.000 min
Lab File: VD079548.D
Acq: 02 Aug 2024 17:58

Tgt Ion:113 Resp: 121943
Ion Ratio Lower Upper
113 100
111 99.7 84.0 126.0
192 18.9 15.4 23.0

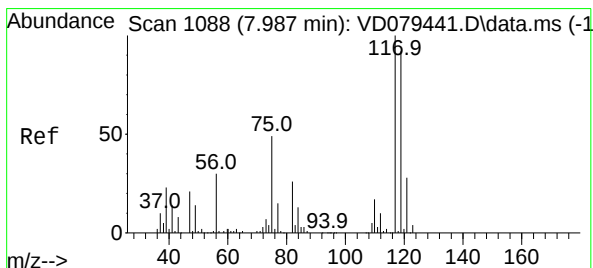
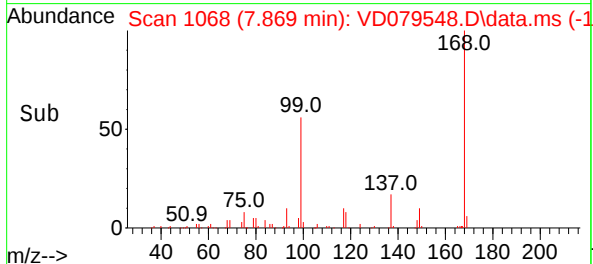
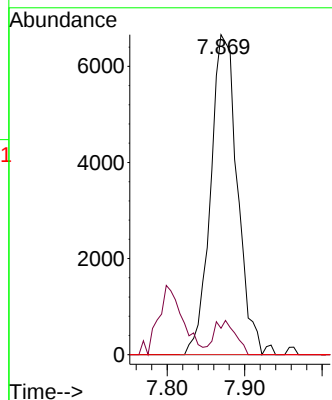
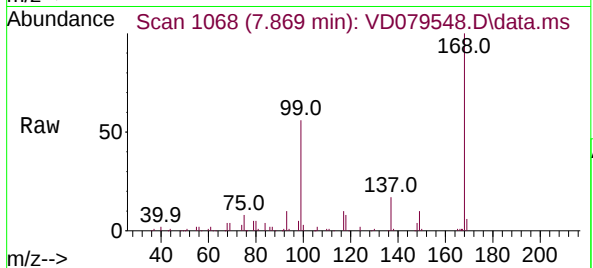




#36
1,1-Dichloropropene
Concen: 4.930 ug/l
RT: 7.869 min Scan# 1068
Delta R.T. -0.141 min
Lab File: VD079548.D
Acq: 02 Aug 2024 17:58

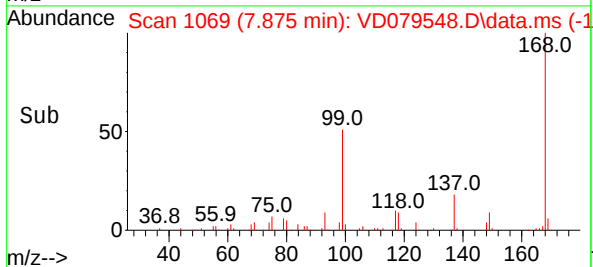
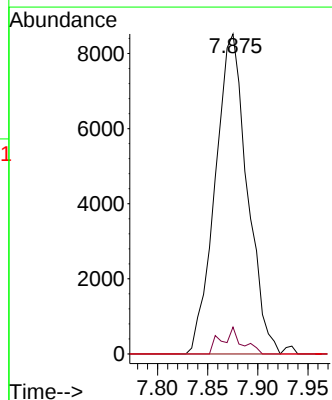
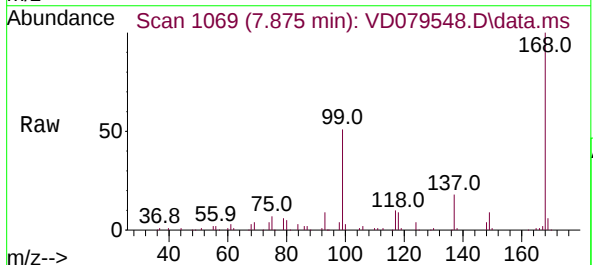
Instrument :
MSVOA_D
ClientSampleId :
355

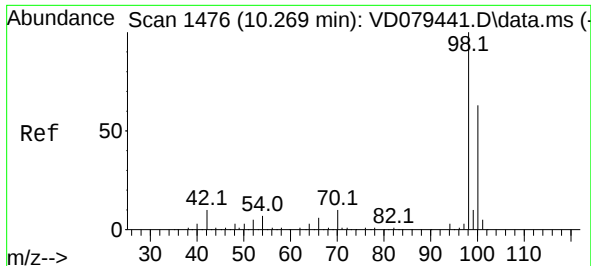
Tgt Ion: 75 Resp: 16079
Ion Ratio Lower Upper
75 100
110 8.6 19.6 58.7#
77 0.0 26.1 39.1#



#38
Carbon Tetrachloride
Concen: 5.523 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.112 min
Lab File: VD079548.D
Acq: 02 Aug 2024 17:58

Tgt Ion: 117 Resp: 18936
Ion Ratio Lower Upper
117 100
119 8.4 75.4 113.0#
121 0.0 25.0 37.4#





#50

Toluene-d8

Concen: 45.549 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.006 min

Lab File: VD079548.D

Acq: 02 Aug 2024 17:58

Instrument :

MSVOA_D

ClientSampleId :

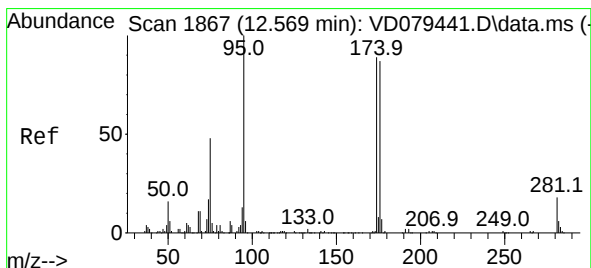
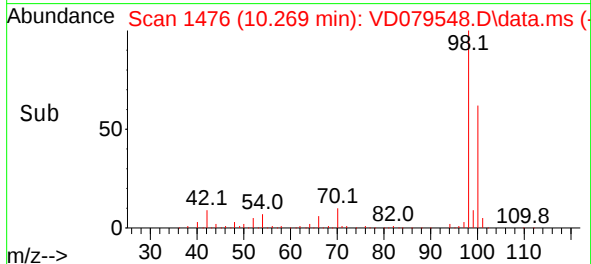
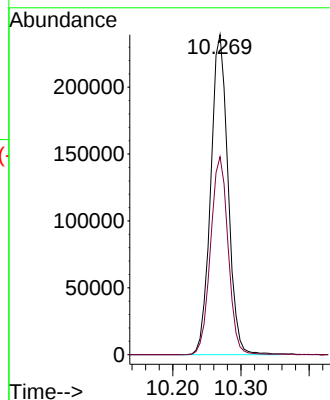
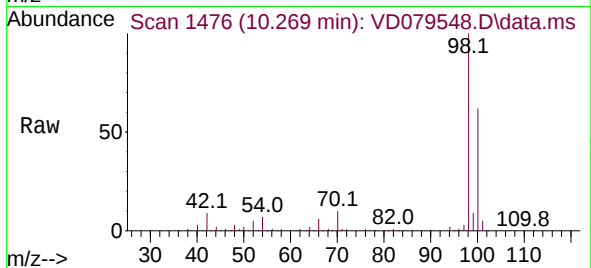
355

Tgt Ion: 98 Resp: 422693

Ion Ratio Lower Upper

98 100

100 62.7 51.6 77.4



#62

4-Bromofluorobenzene

Concen: 42.160 ug/l

RT: 12.569 min Scan# 1867

Delta R.T. 0.000 min

Lab File: VD079548.D

Acq: 02 Aug 2024 17:58

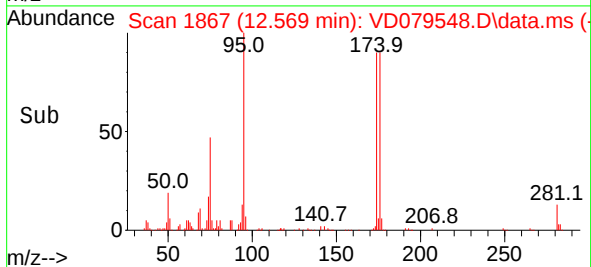
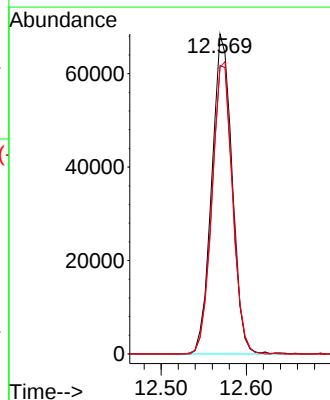
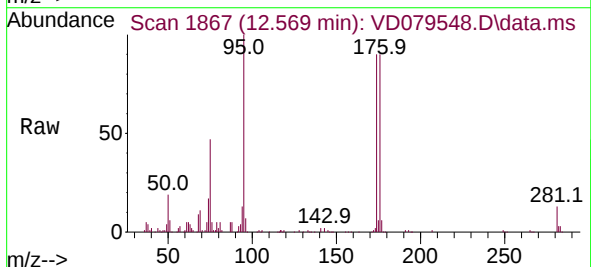
Tgt Ion: 95 Resp: 113220

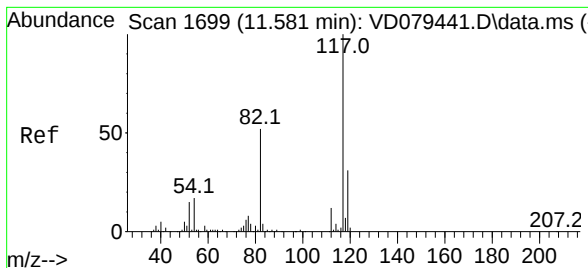
Ion Ratio Lower Upper

95 100

174 93.0 0.0 195.4

176 91.9 0.0 192.6

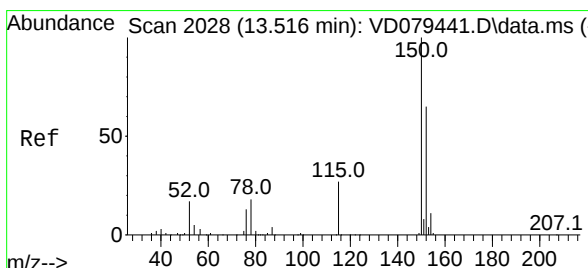
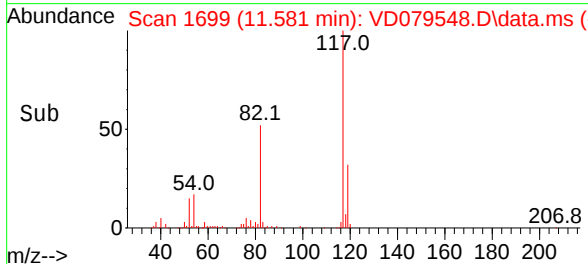
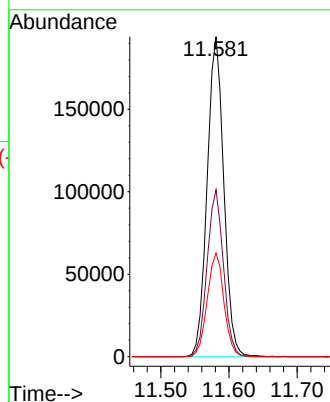
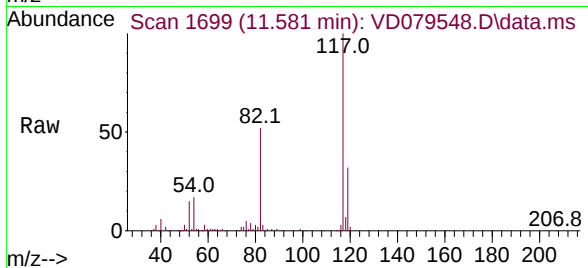




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD079548.D
Acq: 02 Aug 2024 17:58

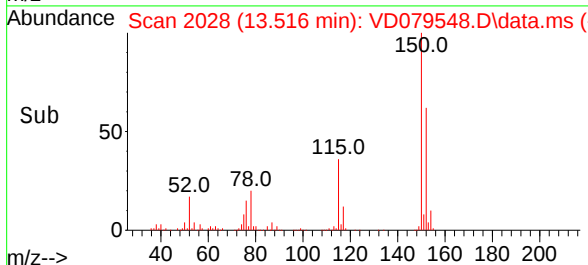
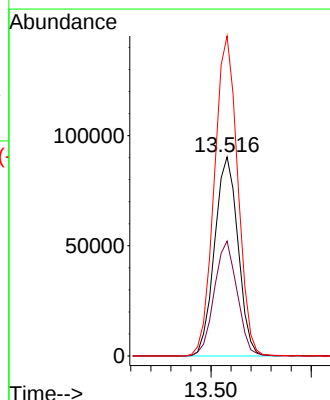
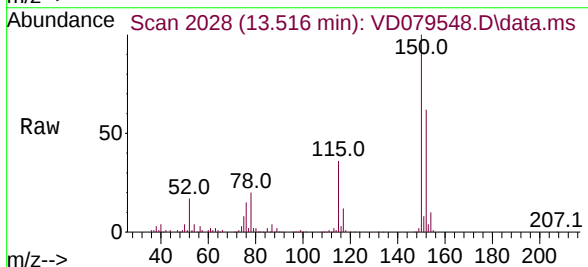
Instrument :
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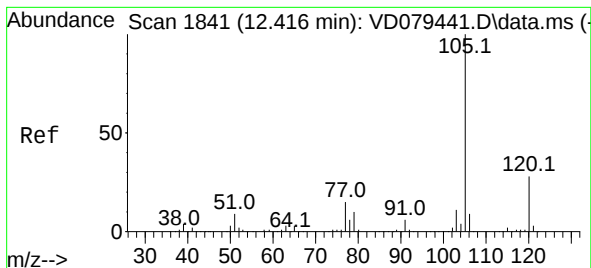
Tgt Ion:117 Resp: 328818
Ion Ratio Lower Upper
117 100
82 52.2 39.8 59.6
119 32.3 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. 0.006 min
Lab File: VD079548.D
Acq: 02 Aug 2024 17:58

Tgt Ion:152 Resp: 146391
Ion Ratio Lower Upper
152 100
115 56.5 26.5 79.5
150 160.4 0.0 341.6





#73

Isopropylbenzene

Concen: 3.640 ug/l

RT: 12.416 min Scan# 1841

Delta R.T. 0.000 min

Lab File: VD079548.D

Acq: 02 Aug 2024 17:58

Instrument :

MSVOA_D

ClientSampleId :

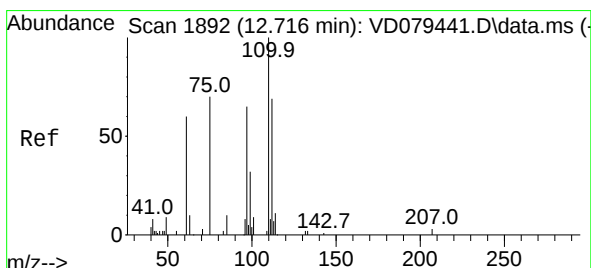
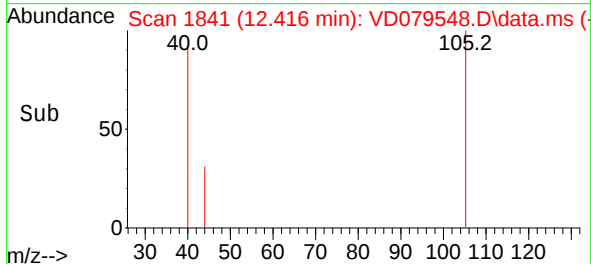
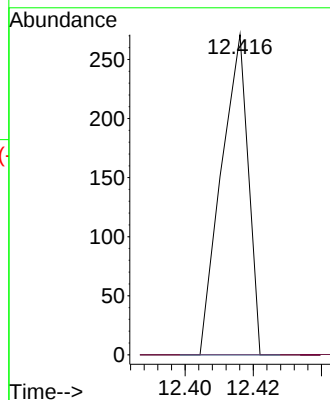
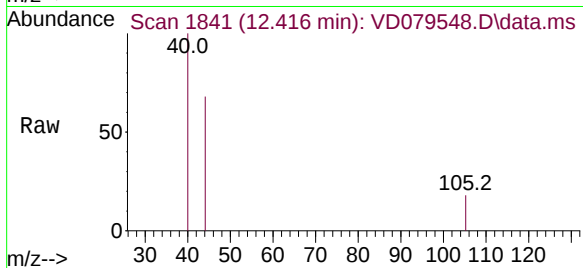
355

Tgt Ion:105 Resp: 149

Ion Ratio Lower Upper

105 100

120 0.0 13.6 40.7#



#76

1,2,3-Trichloropropane

Concen: 43.549 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. -0.147 min

Lab File: VD079548.D

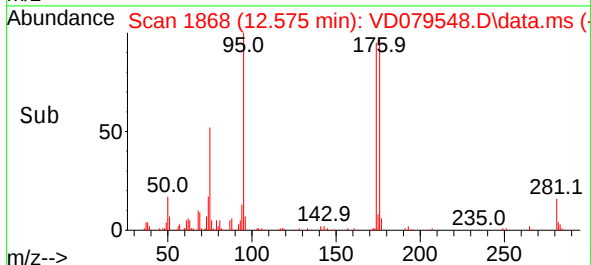
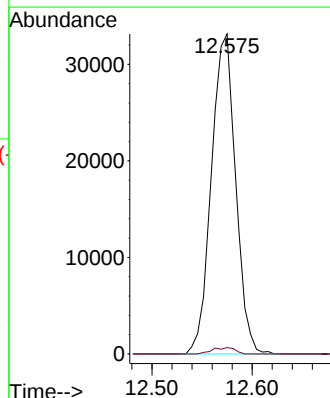
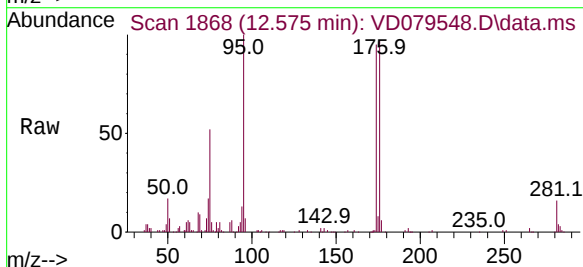
Acq: 02 Aug 2024 17:58

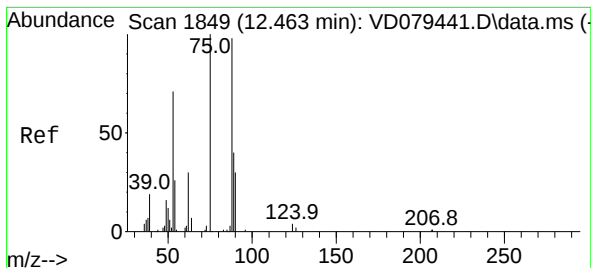
Tgt Ion: 75 Resp: 55726

Ion Ratio Lower Upper

75 100

77 1.9 0.0 0.0#

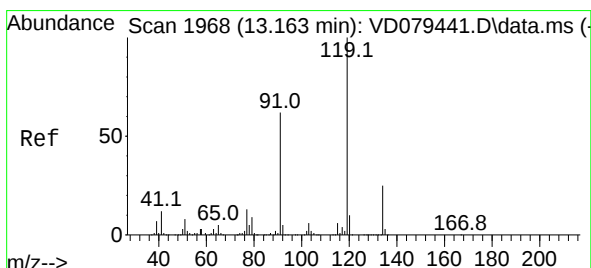
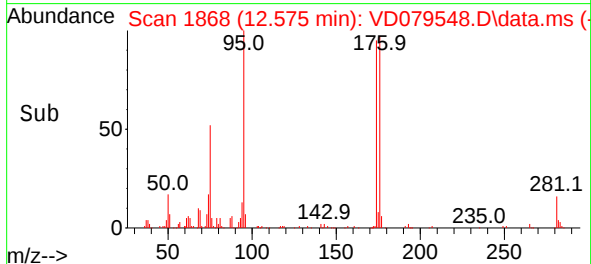
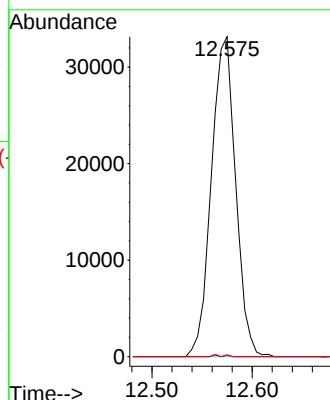
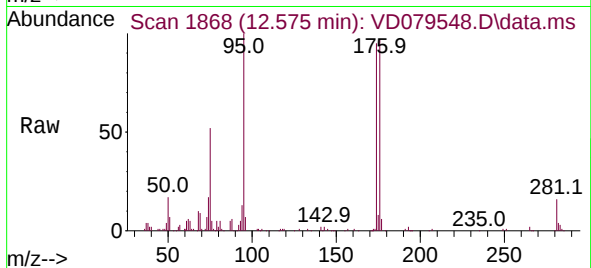




#81
trans-1,4-Dichloro-2-butene
Concen: 83.061 ug/l
RT: 12.575 min Scan# 11
Delta R.T. 0.106 min
Lab File: VD079548.D
Acq: 02 Aug 2024 17:58

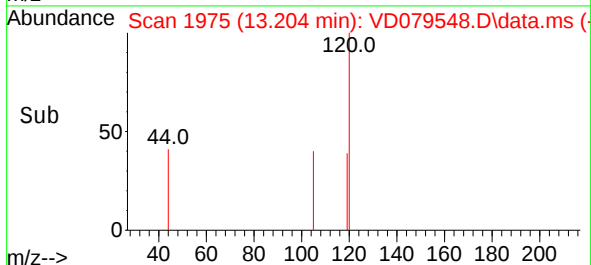
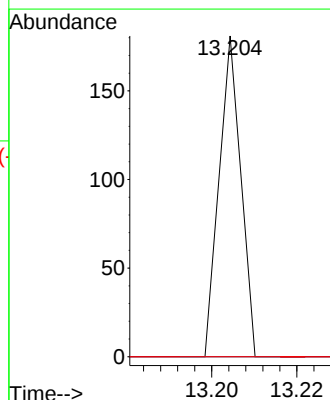
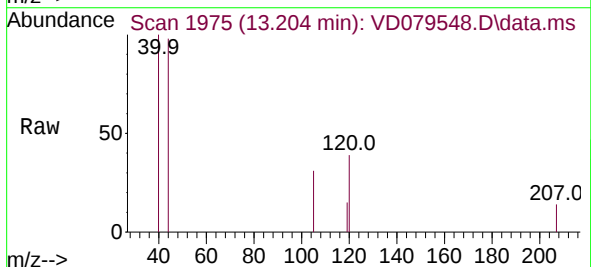
Instrument :
MSVOA_D
ClientSampleId :
355

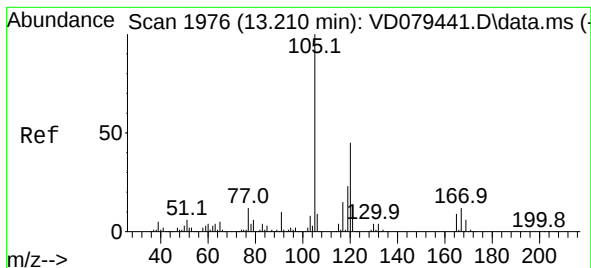
Tgt Ion: 75 Resp: 55726
Ion Ratio Lower Upper
75 100
53 0.2 61.4 92.2#
89 0.3 35.4 53.0#



#83
tert-Butylbenzene
Concen: 3.635 ug/l
RT: 13.204 min Scan# 1975
Delta R.T. 0.041 min
Lab File: VD079548.D
Acq: 02 Aug 2024 17:58

Tgt Ion: 119 Resp: 64
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: 3.447 ug/l

RT: 13.075 min Scan# 10

Delta R.T. -0.129 min

Lab File: VD079548.D

Acq: 02 Aug 2024 17:58

Instrument :

MSVOA_D

ClientSampleId :

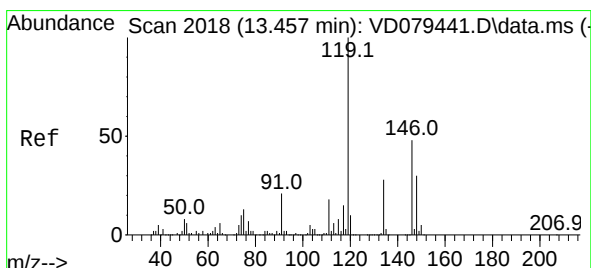
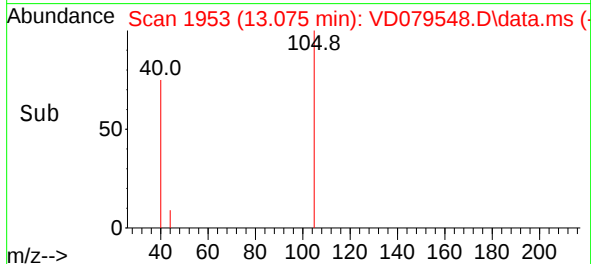
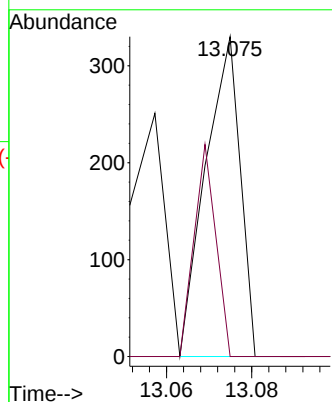
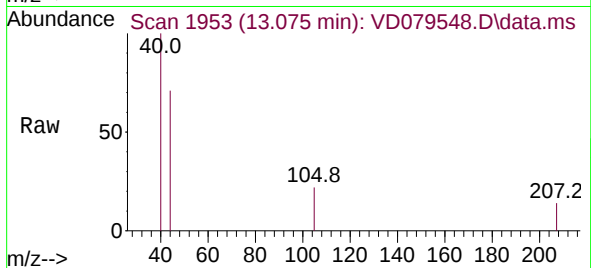
355

Tgt Ion:105 Resp: 186

Ion Ratio Lower Upper

105 100

120 41.4 23.6 71.0



#86

p-Isopropyltoluene

Concen: 3.892 ug/l

RT: 13.440 min Scan# 2015

Delta R.T. -0.017 min

Lab File: VD079548.D

Acq: 02 Aug 2024 17:58

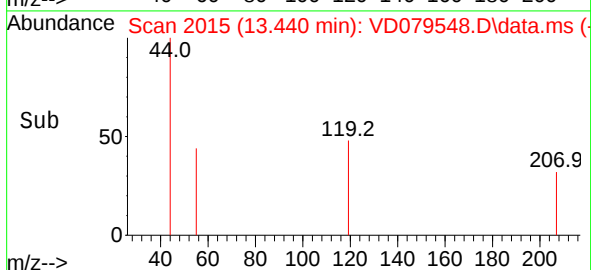
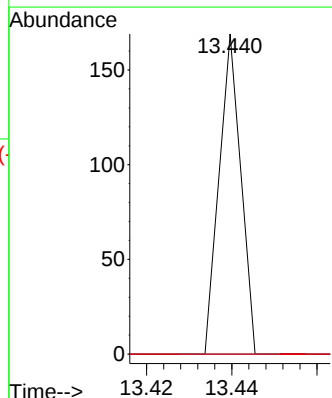
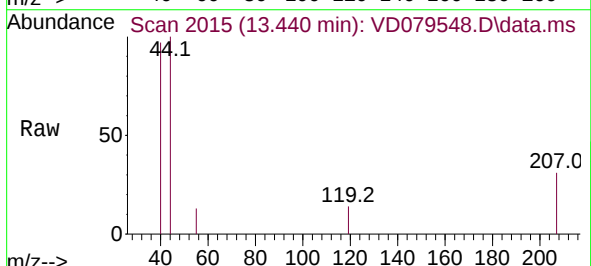
Tgt Ion:119 Resp: 60

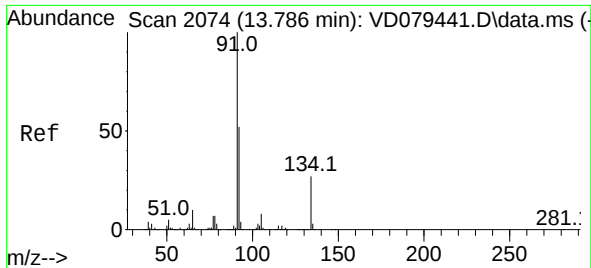
Ion Ratio Lower Upper

119 100

134 0.0 13.7 41.1#

91 0.0 10.7 32.1#





#89

n-Butylbenzene

Concen: 3.804 ug/l

RT: 13.787 min Scan# 20

Delta R.T. 0.006 min

Lab File: VD079548.D

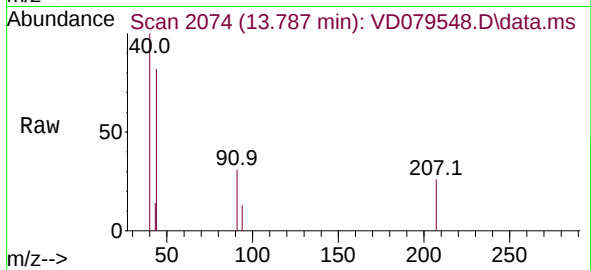
Acq: 02 Aug 2024 17:58

Instrument :

MSVOA_D

ClientSampleId :

355



Tgt Ion: 91 Resp: 221

Ion Ratio Lower Upper

91 100

92 0.0 25.7 77.0#

134 0.0 13.6 40.8#

