

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD080524\
 Data File : VD079600.D
 Acq On : 06 Aug 2024 01:56
 Operator : RP/MD
 Sample : P3409-04
 Misc : 6.52G/5.0ml/MSVOA_D/SOIL/B
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 06 05:11:59 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)

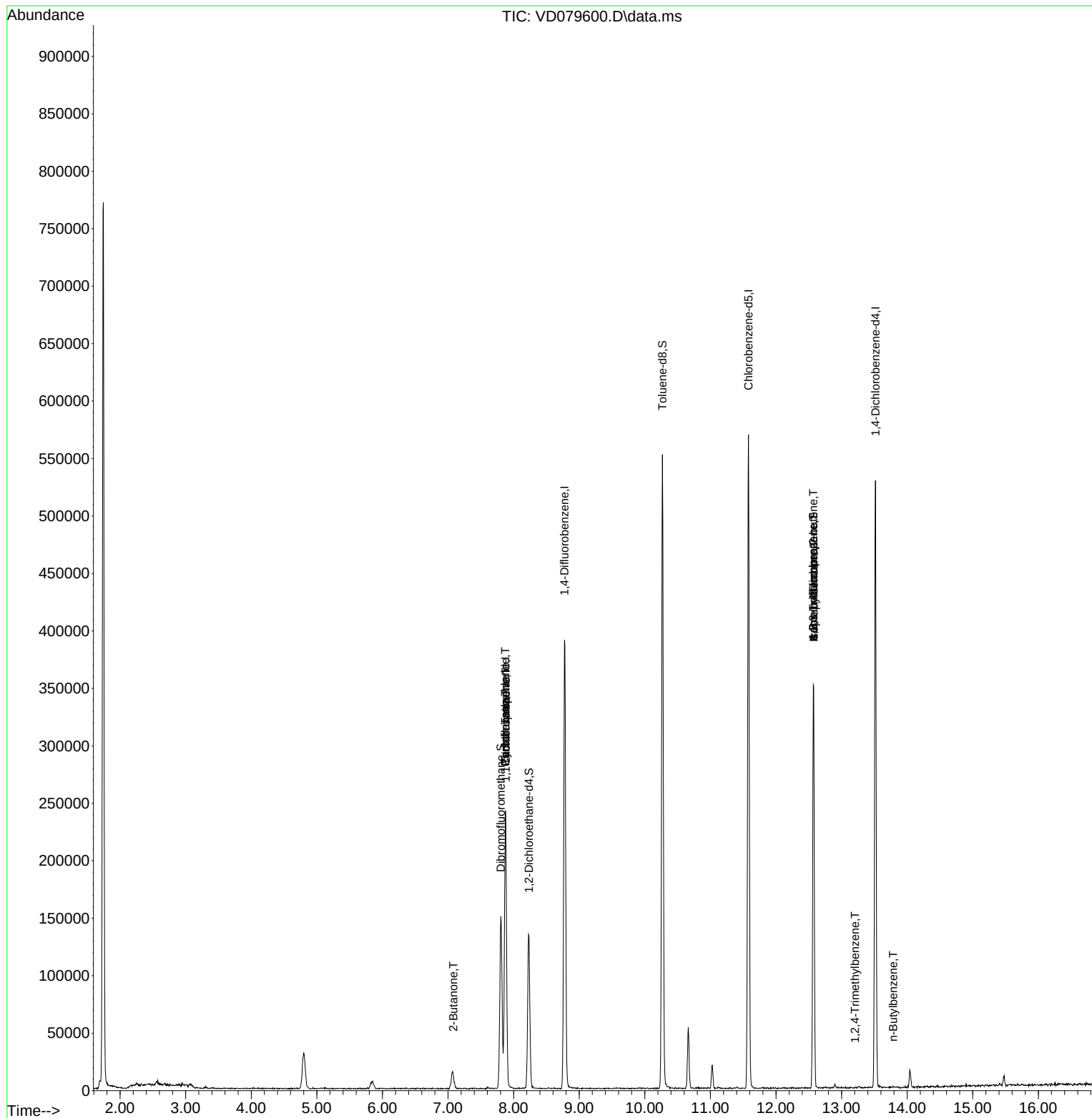
Internal Standards						
1) Pentafluorobenzene	7.875	168	184830	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	361090	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	337975	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	146619	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	105634	56.257	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	112.520%
35) Dibromofluoromethane	7.805	113	111134	45.472	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	90.940%
50) Toluene-d8	10.269	98	389997	41.091	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	82.180%
62) 4-Bromofluorobenzene	12.569	95	103649	37.738	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	75.480%
Target Compounds						
					Qvalue	
5) Bromomethane	2.687	94	151	Below Cal	#	2
11) Tert butyl alcohol	5.028	59	69	Below Cal	#	86
13) Acrolein	4.058	56	55	Below Cal	#	15
20) Methylene Chloride	4.799	84	25974	Below Cal		92
25) 2-Butanone	7.081	43	698	1.349	ug/l #	42
31) Cyclohexane	7.875	56	4204	1.348	ug/l #	1
36) 1,1-Dichloropropene	7.881	75	15364	4.606	ug/l #	46
38) Carbon Tetrachloride	7.875	117	17918	5.110	ug/l #	19
73) Isopropylbenzene	12.575	105	223	3.646	ug/l #	48
76) 1,2,3-Trichloropropane	12.569	75	52175	40.711	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.569	75	52175	77.647	ug/l #	19
84) 1,2,4-Trimethylbenzene	13.204	105	307	3.460	ug/l	91
89) n-Butylbenzene	13.787	91	390	3.820	ug/l #	70

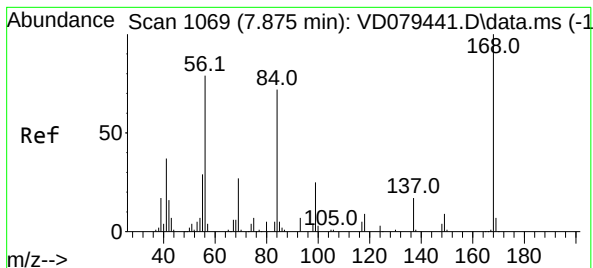
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD080524\
Data File : VD079600.D
Acq On : 06 Aug 2024 01:56
Operator : RP/MD
Sample : P3409-04
Misc : 6.52G/5.0ml/MSVOA_D/SOIL/B
ALS Vial : 29 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Aug 06 05:11:59 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: VD079600.D

Acq: 06 Aug 2024 01:56

Instrument :

MSVOA_D

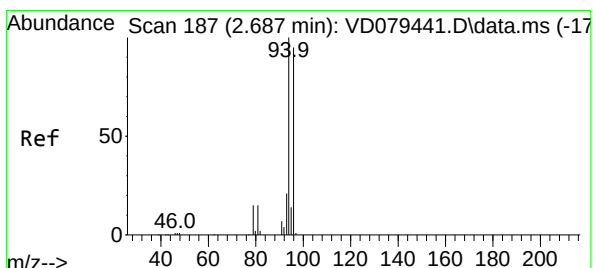
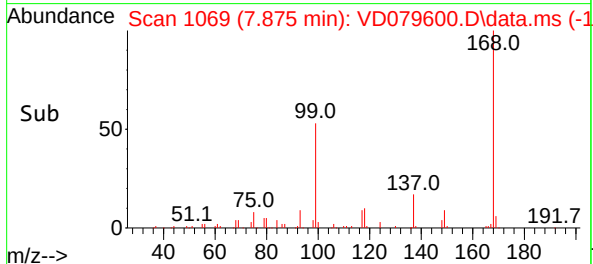
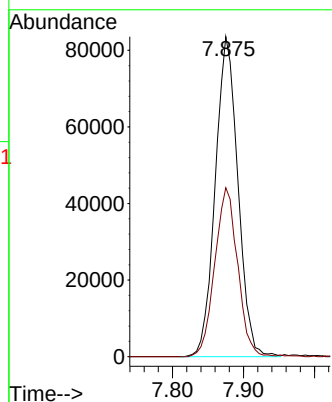
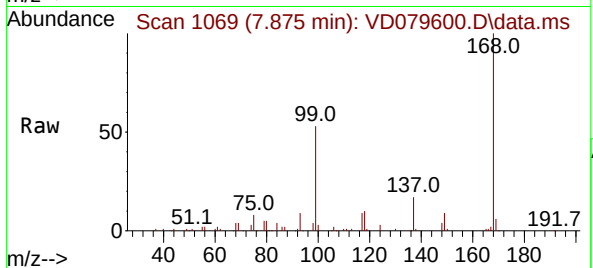
ClientSampleId :

Tgt Ion:168 Resp: 184830

Ion Ratio Lower Upper

168 100

99 52.8 41.1 61.7



#5

Bromomethane

Concen: Below Cal

RT: 2.687 min Scan# 187

Delta R.T. 0.000 min

Lab File: VD079600.D

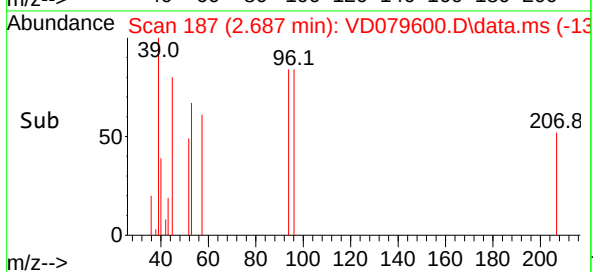
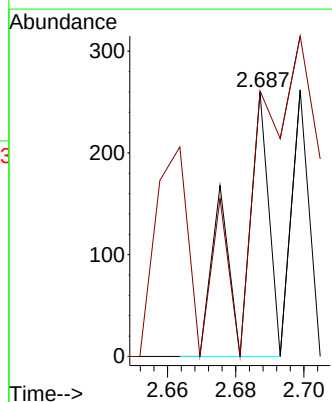
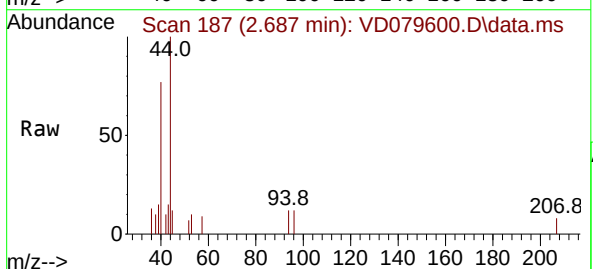
Acq: 06 Aug 2024 01:56

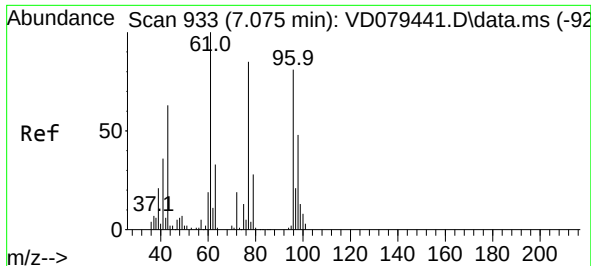
Tgt Ion: 94 Resp: 151

Ion Ratio Lower Upper

94 100

96 0.0 76.9 115.3#





#25

2-Butanone

Concen: 1.349 ug/l

RT: 7.081 min Scan# 91

Delta R.T. -0.012 min

Lab File: VD079600.D

Acq: 06 Aug 2024 01:56

Instrument :

MSVOA_D

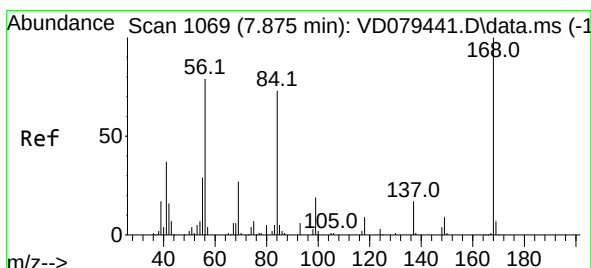
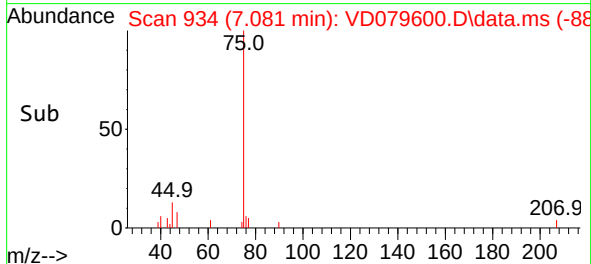
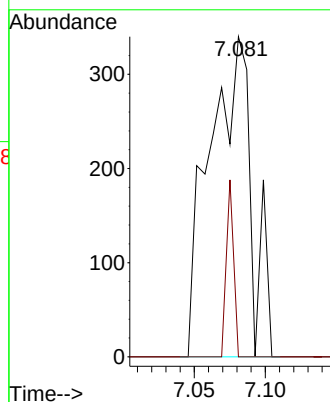
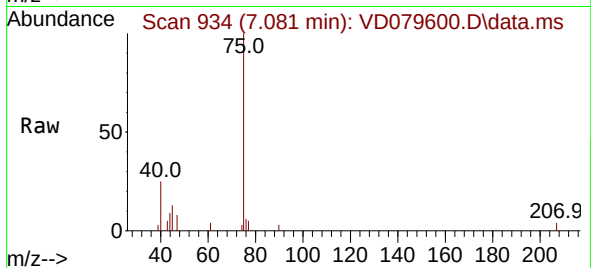
ClientSampleId :

Tgt Ion: 43 Resp: 698

Ion Ratio Lower Upper

43 100

72 0.0 26.4 39.6#



#31

Cyclohexane

Concen: 1.348 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.006 min

Lab File: VD079600.D

Acq: 06 Aug 2024 01:56

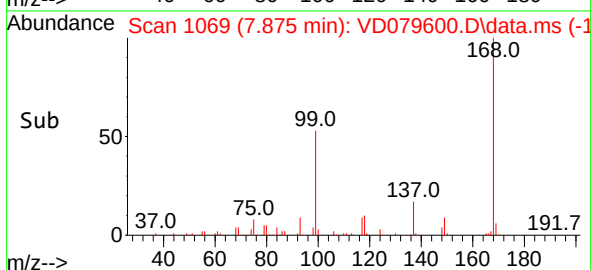
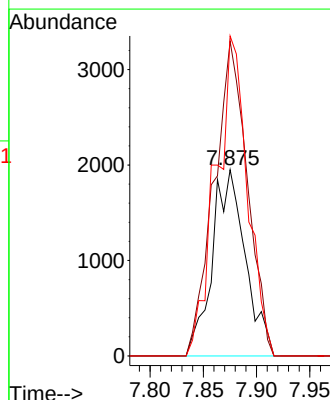
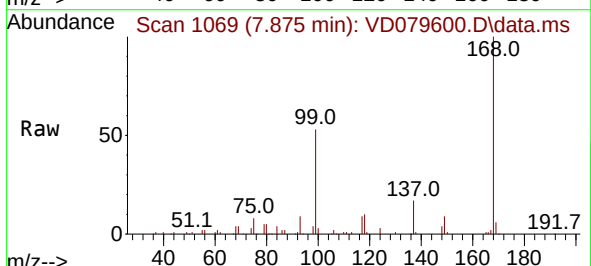
Tgt Ion: 56 Resp: 4204

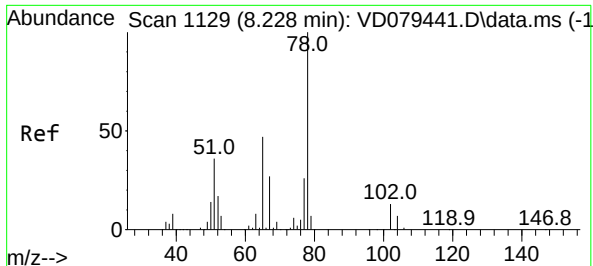
Ion Ratio Lower Upper

56 100

69 169.1 28.0 42.0#

84 171.9 87.4 131.0#





#33

1,2-Dichloroethane-d4

Concen: 56.257 ug/l

RT: 8.234 min Scan# 1129

Delta R.T. 0.006 min

Lab File: VD079600.D

Acq: 06 Aug 2024 01:56

Instrument :

MSVOA_D

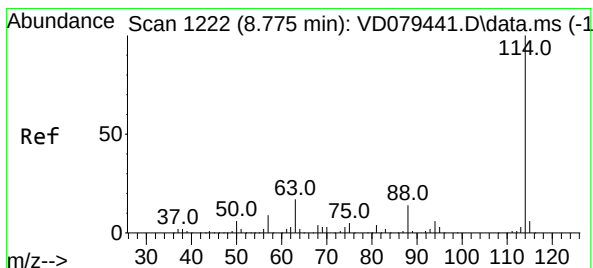
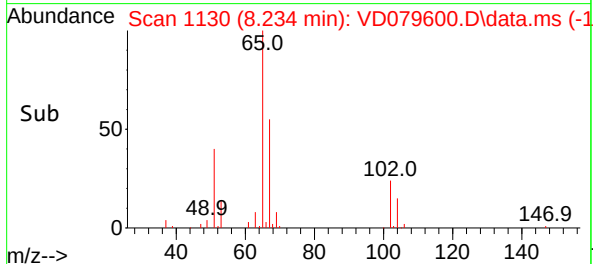
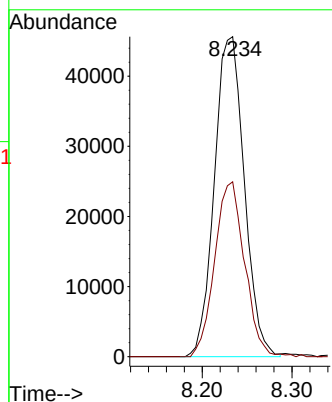
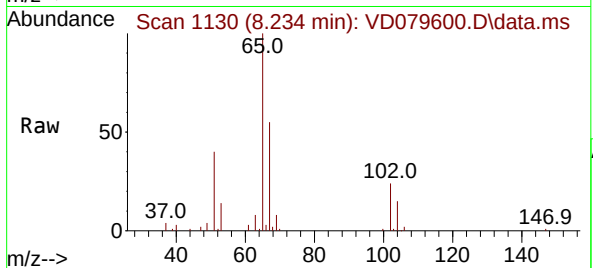
ClientSampleId :

Tgt Ion: 65 Resp: 105634

Ion Ratio Lower Upper

65 100

67 54.8 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: VD079600.D

Acq: 06 Aug 2024 01:56

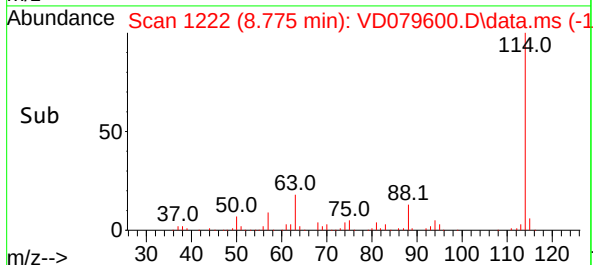
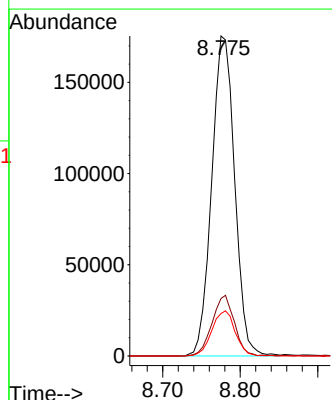
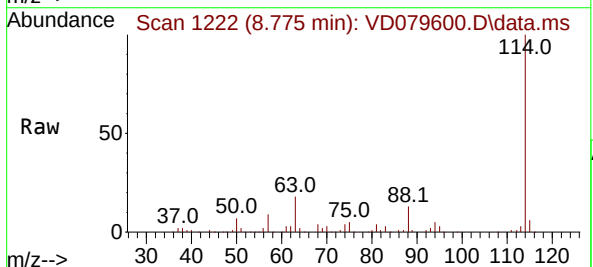
Tgt Ion: 114 Resp: 361090

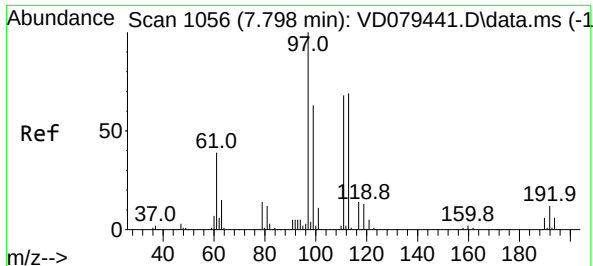
Ion Ratio Lower Upper

114 100

63 17.9 0.0 34.0

88 13.3 0.0 27.2





#35

Dibromofluoromethane

Concen: 45.472 ug/l

RT: 7.805 min Scan# 1070

Delta R.T. -0.000 min

Lab File: VD079600.D

Acq: 06 Aug 2024 01:56

Instrument :

MSVOA_D

ClientSampleId :

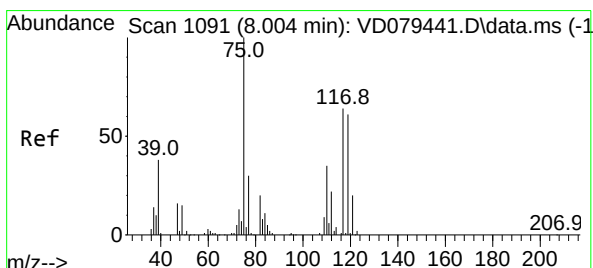
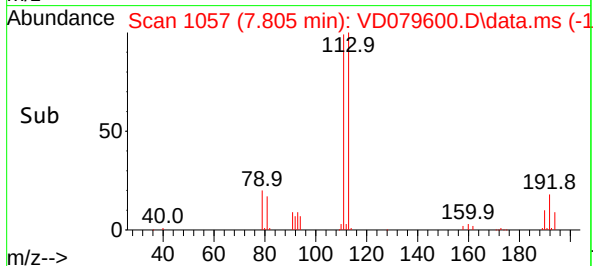
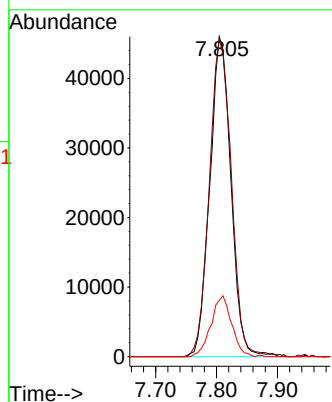
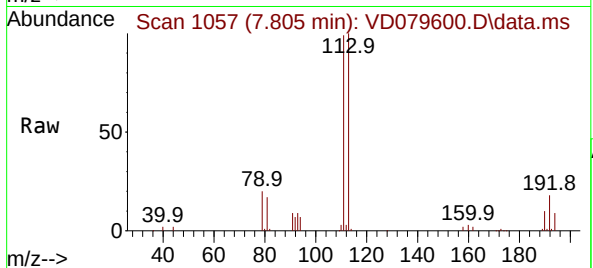
Tgt Ion:113 Resp: 111134

Ion Ratio Lower Upper

113 100

111 103.0 84.0 126.0

192 18.6 15.4 23.0



#36

1,1-Dichloropropene

Concen: 4.606 ug/l

RT: 7.881 min Scan# 1070

Delta R.T. -0.129 min

Lab File: VD079600.D

Acq: 06 Aug 2024 01:56

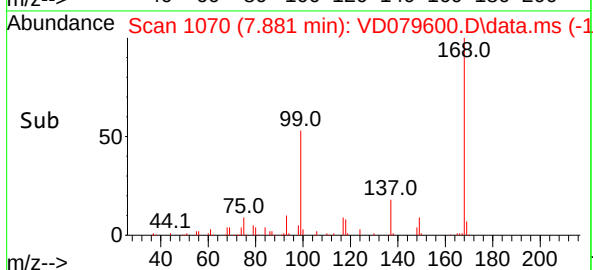
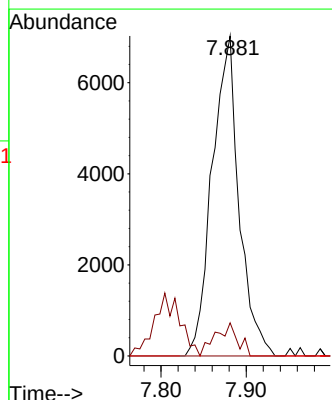
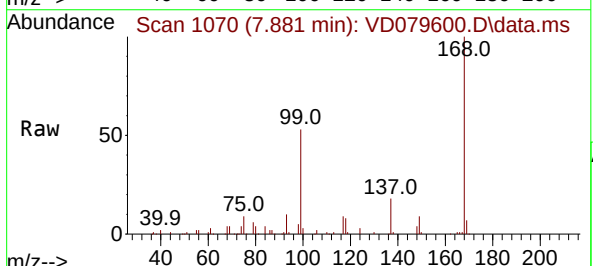
Tgt Ion: 75 Resp: 15364

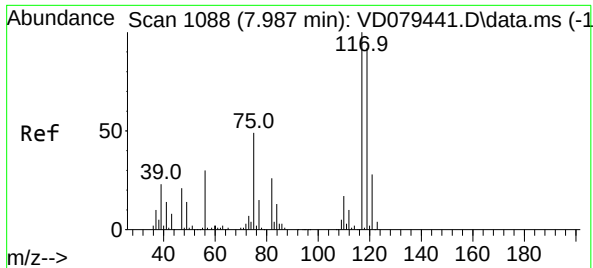
Ion Ratio Lower Upper

75 100

110 8.6 19.6 58.7#

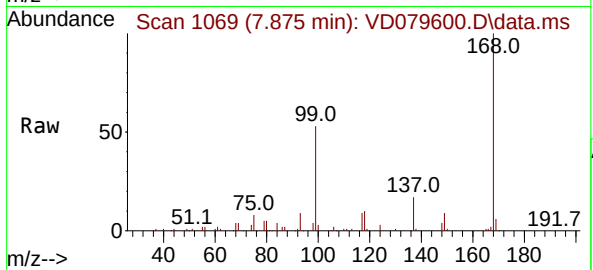
77 0.0 26.1 39.1#



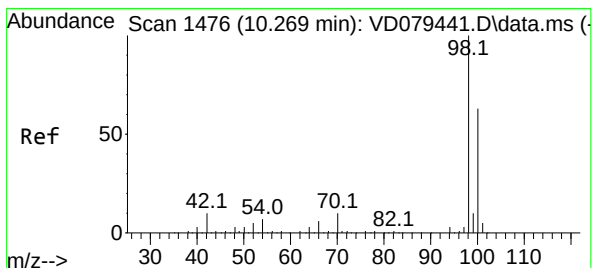
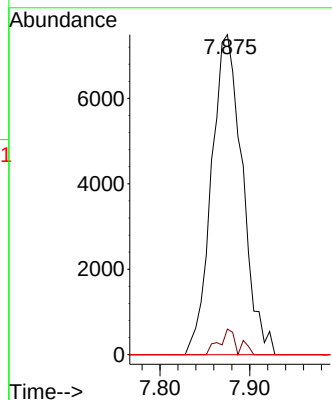
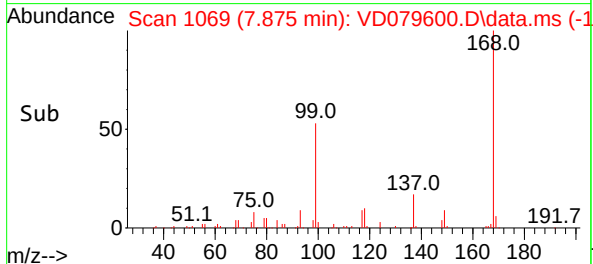


#38
Carbon Tetrachloride
Concen: 5.110 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.112 min
Lab File: VD079600.D
Acq: 06 Aug 2024 01:56

Instrument :
MSVOA_D
ClientSampleId :

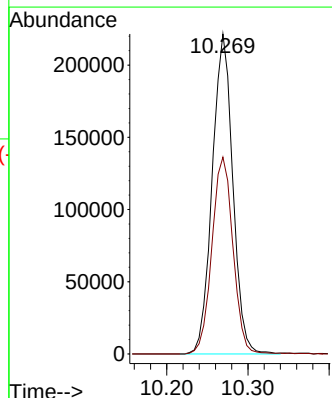
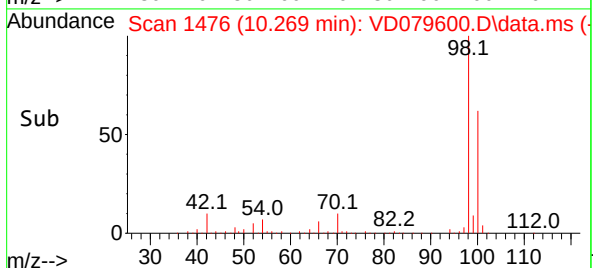
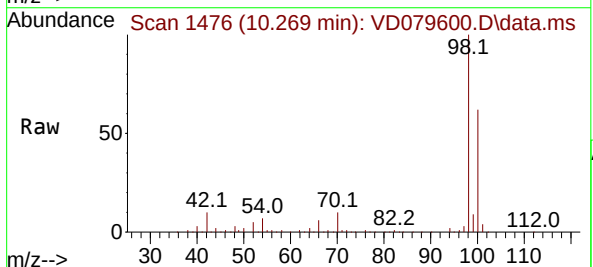


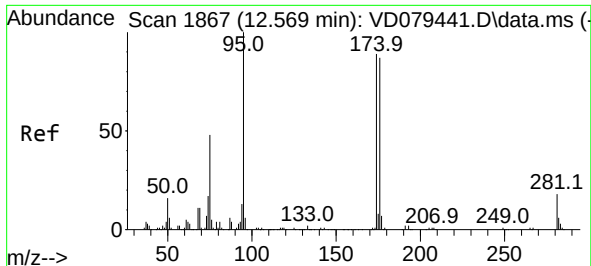
Tgt Ion:117 Resp: 17918
Ion Ratio Lower Upper
117 100
119 8.0 75.4 113.0#
121 0.0 25.0 37.4#



#50
Toluene-d8
Concen: 41.091 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.006 min
Lab File: VD079600.D
Acq: 06 Aug 2024 01:56

Tgt Ion: 98 Resp: 389997
Ion Ratio Lower Upper
98 100
100 63.2 51.6 77.4

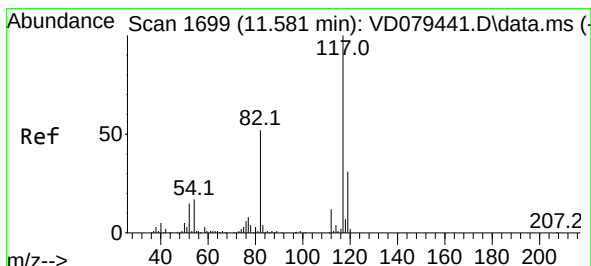
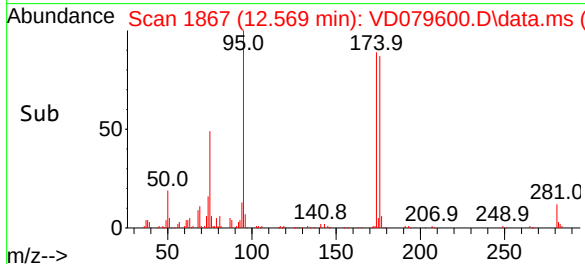
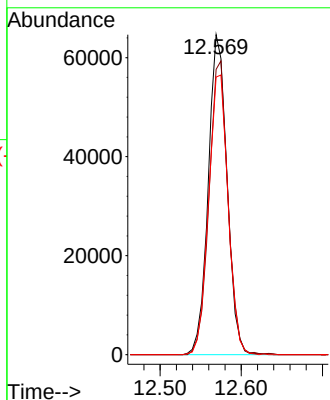
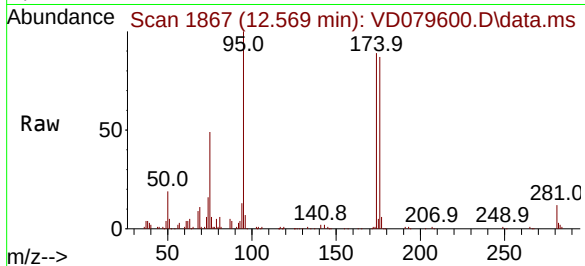




#62
4-Bromofluorobenzene
Concen: 37.738 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.000 min
Lab File: VD079600.D
Acq: 06 Aug 2024 01:56

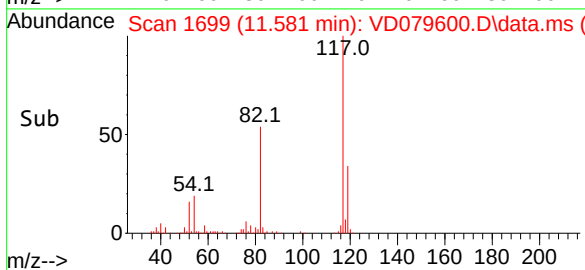
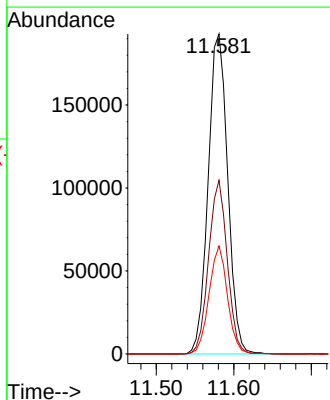
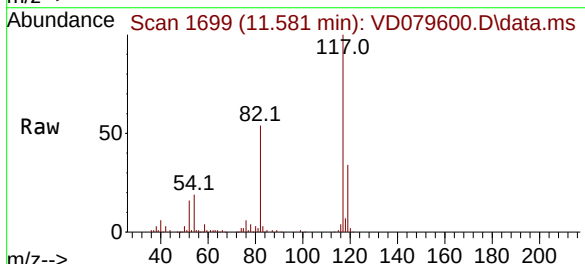
Instrument :
MSVOA_D
ClientSampleId :

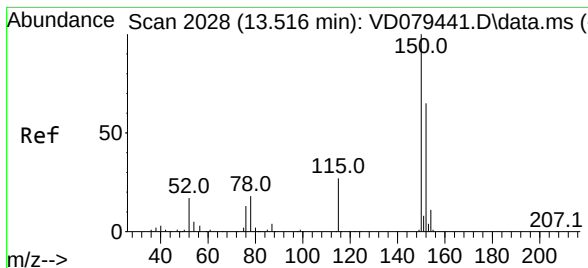
Tgt Ion: 95 Resp: 103649
Ion Ratio Lower Upper
95 100
174 92.7 0.0 195.4
176 91.0 0.0 192.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD079600.D
Acq: 06 Aug 2024 01:56

Tgt Ion: 117 Resp: 337975
Ion Ratio Lower Upper
117 100
82 54.2 39.8 59.6
119 33.7 25.7 38.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.516 min Scan# 20

Delta R.T. 0.006 min

Lab File: VD079600.D

Acq: 06 Aug 2024 01:56

Instrument :

MSVOA_D

ClientSampleId :

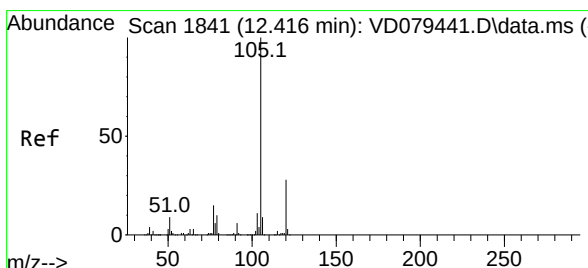
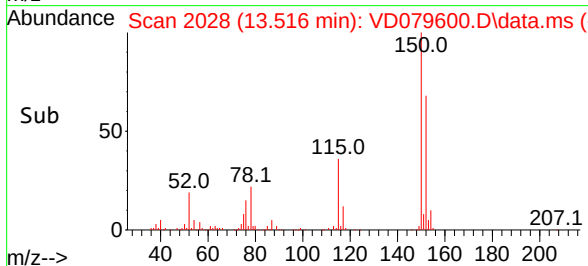
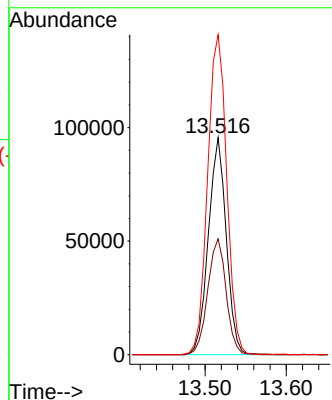
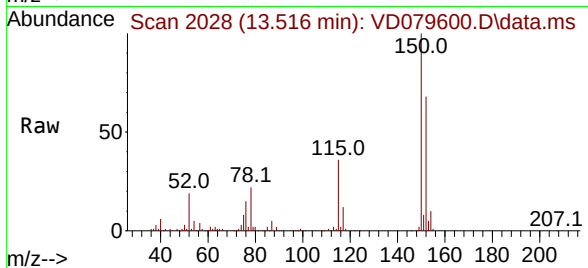
Tgt Ion:152 Resp: 146619

Ion Ratio Lower Upper

152 100

115 54.8 26.5 79.5

150 156.7 0.0 341.6



#73

Isopropylbenzene

Concen: 3.646 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. 0.159 min

Lab File: VD079600.D

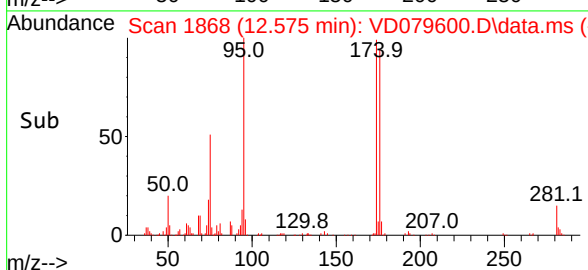
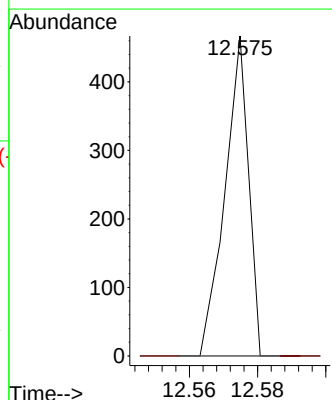
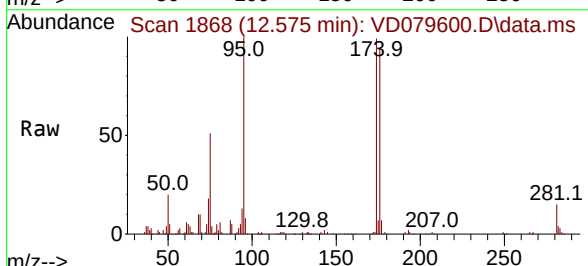
Acq: 06 Aug 2024 01:56

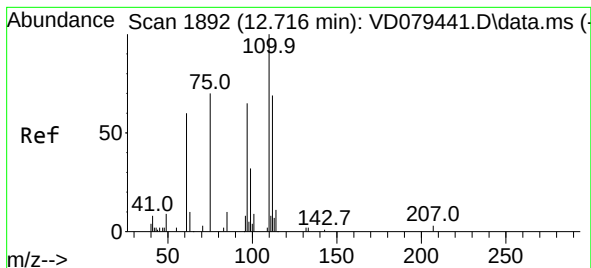
Tgt Ion:105 Resp: 223

Ion Ratio Lower Upper

105 100

120 0.0 13.6 40.7#

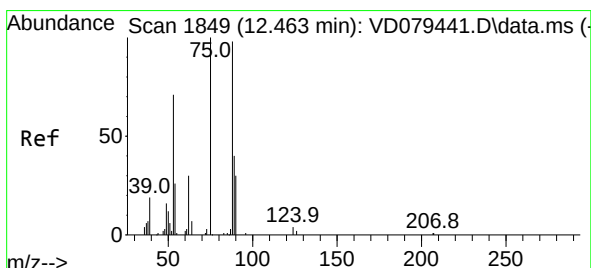
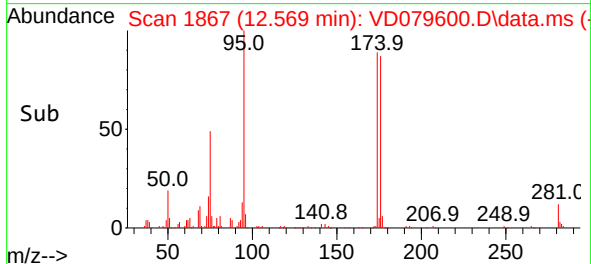
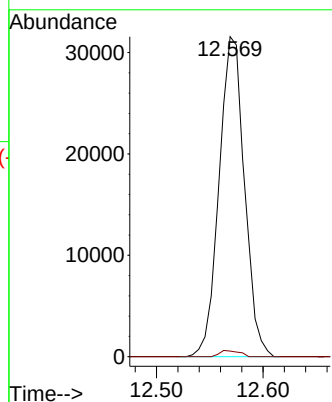
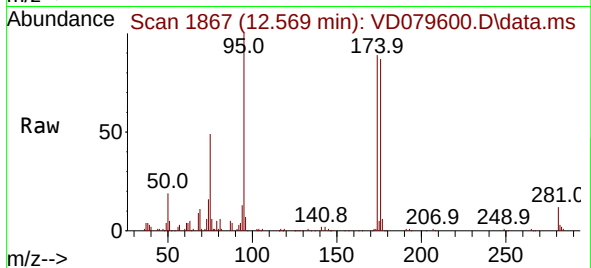




#76
1,2,3-Trichloropropane
Concen: 40.711 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.153 min
Lab File: VD079600.D
Acq: 06 Aug 2024 01:56

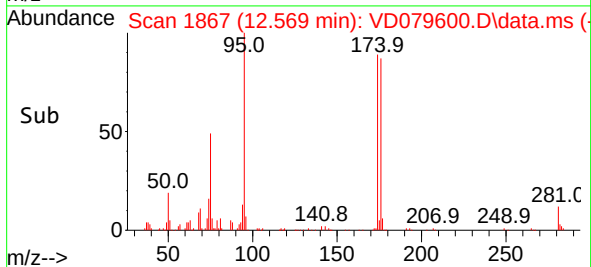
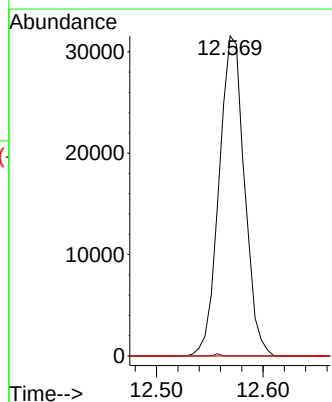
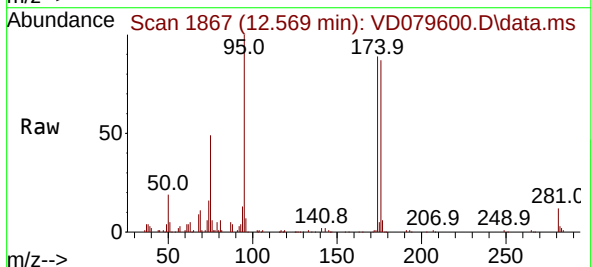
Instrument :
MSVOA_D
ClientSampleId :

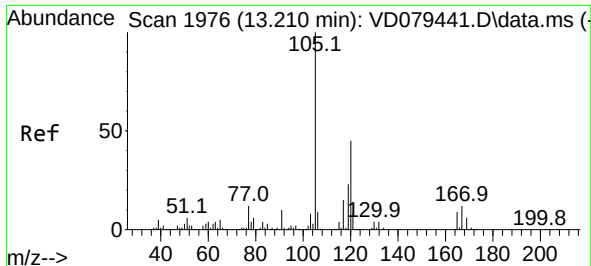
Tgt Ion: 75 Resp: 52175
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 77.647 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. 0.100 min
Lab File: VD079600.D
Acq: 06 Aug 2024 01:56

Tgt Ion: 75 Resp: 52175
Ion Ratio Lower Upper
75 100
53 0.1 61.4 92.2#
89 0.0 35.4 53.0#

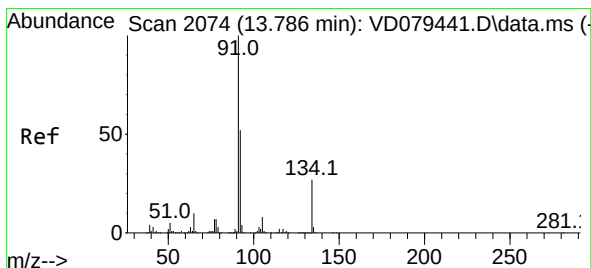
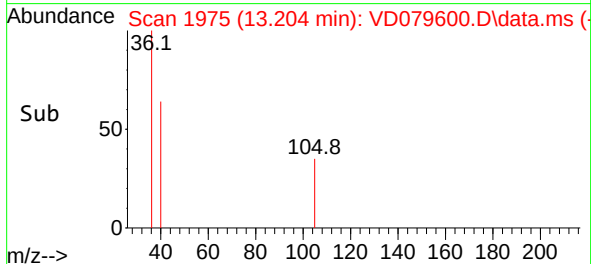
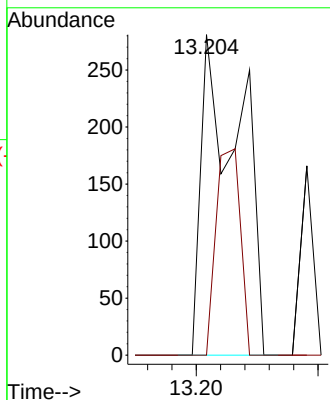
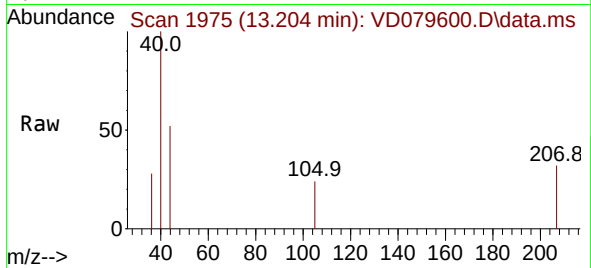




#84
1,2,4-Trimethylbenzene
Concen: 3.460 ug/l
RT: 13.204 min Scan# 1975
Delta R.T. 0.000 min
Lab File: VD079600.D
Acq: 06 Aug 2024 01:56

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:105 Resp: 307
Ion Ratio Lower Upper
105 100
120 41.0 23.6 71.0



#89
n-Butylbenzene
Concen: 3.820 ug/l
RT: 13.787 min Scan# 2074
Delta R.T. 0.006 min
Lab File: VD079600.D
Acq: 06 Aug 2024 01:56

Tgt Ion: 91 Resp: 390
Ion Ratio Lower Upper
91 100
92 39.0 25.7 77.0
134 0.0 13.6 40.8#

