

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD073024\
 Data File : VD079456.D
 Acq On : 30 Jul 2024 14:03
 Operator : RP/MD
 Sample : P3379-01
 Misc : 6.35G/5.0ml/MSVOA_D/SOIL/A
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 OU4-PCS-01-072324

Quant Time: Jul 31 01:52:24 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)

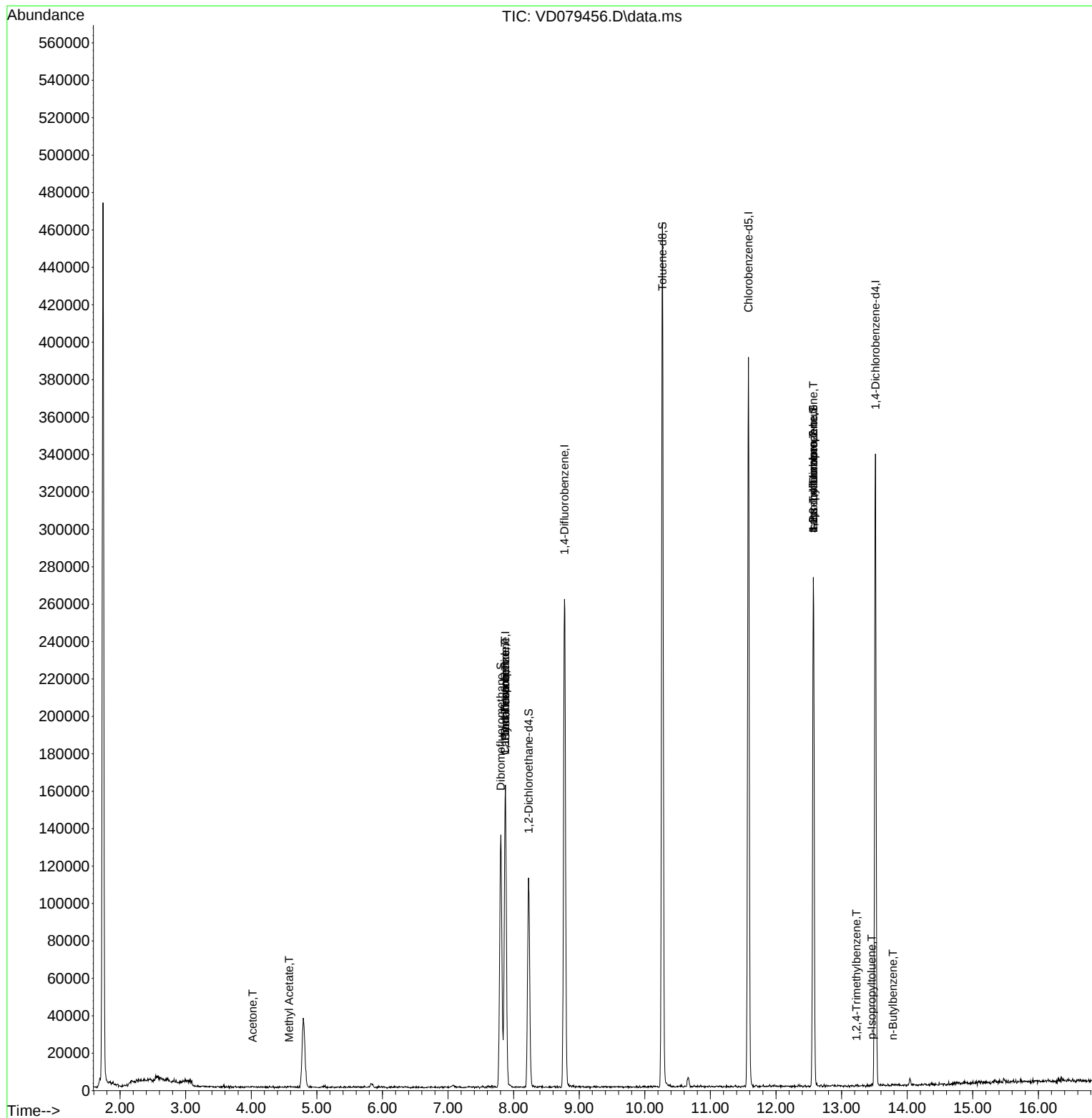
Internal Standards						
1) Pentafluorobenzene	7.875	168	130517	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	249735	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	238291	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	97276	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	85584	64.546	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	129.100%
35) Dibromofluoromethane	7.805	113	100328	59.354	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	118.700%
50) Toluene-d8	10.269	98	328078	49.980	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	99.960%
62) 4-Bromofluorobenzene	12.569	95	84257	44.357	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	88.720%
Target Compounds						
5) Bromomethane	2.687	94	539	Below Cal		Qvalue 86
16) Acetone	4.022	43	320	1.242 ug/l	#	37
18) Methyl Acetate	4.575	43	959	1.199 ug/l	#	51
20) Methylene Chloride	4.793	84	29600	Below Cal		94
31) Cyclohexane	7.875	56	2630	1.194 ug/l	#	14
36) 1,1-Dichloropropene	7.869	75	9860	4.274 ug/l	#	44
38) Carbon Tetrachloride	7.869	117	11714	4.830 ug/l	#	20
73) Isopropylbenzene	12.569	105	73	3.637 ug/l	#	48
76) 1,2,3-Trichloropropane	12.569	75	43636	51.319 ug/l	#	100
81) trans-1,4-Dichloro-2-b...	12.569	75	43636	97.879 ug/l	#	19
84) 1,2,4-Trimethylbenzene	13.228	105	285	3.472 ug/l	#	29
86) p-Isopropyltoluene	13.457	119	118	3.902 ug/l	#	51
89) n-Butylbenzene	13.781	91	183	3.809 ug/l	#	77

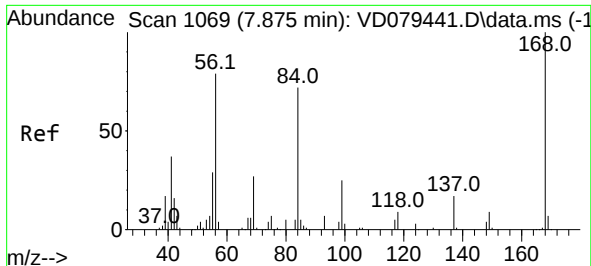
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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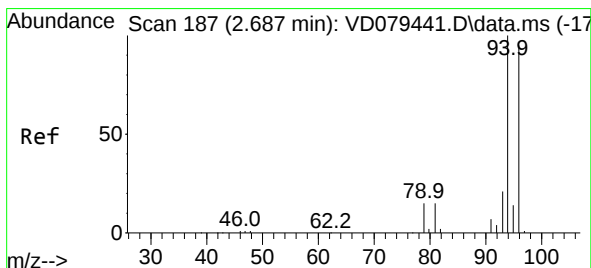
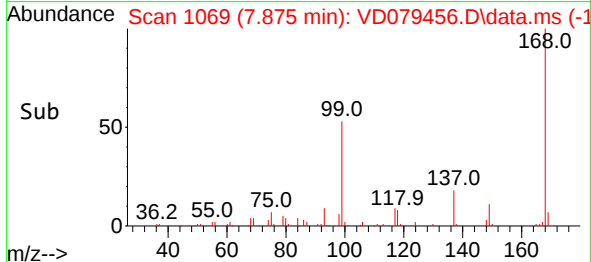
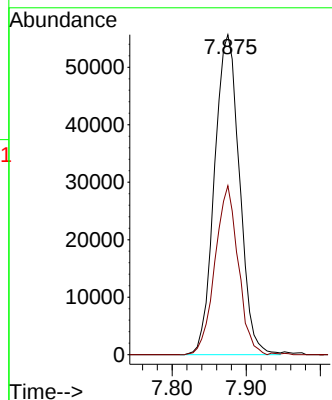
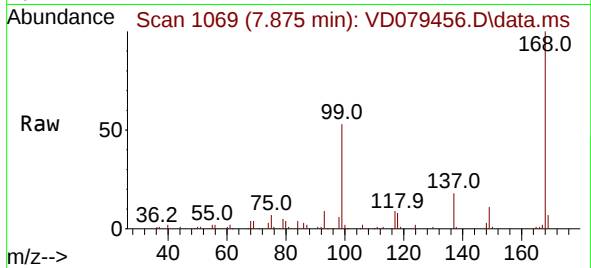




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD079456.D
Acq: 30 Jul 2024 14:03

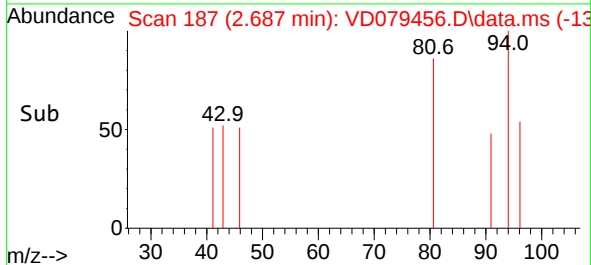
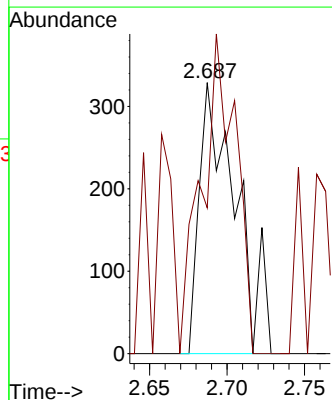
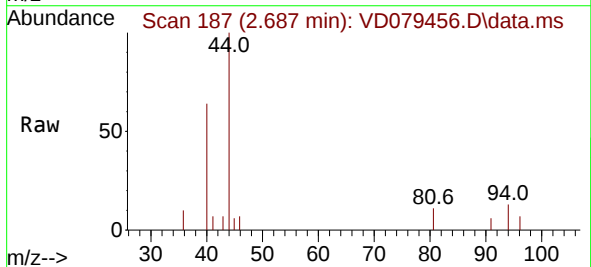
Instrument :
MSVOA_D
ClientSampleId :
OU4-PCS-01-072324

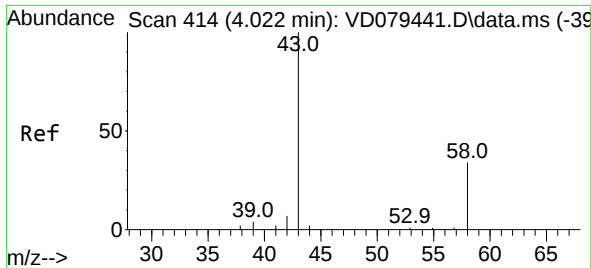
Tgt Ion:168 Resp: 130517
Ion Ratio Lower Upper
168 100
99 52.8 41.1 61.7



#5
Bromomethane
Concen: Below Cal
RT: 2.687 min Scan# 187
Delta R.T. 0.000 min
Lab File: VD079456.D
Acq: 30 Jul 2024 14:03

Tgt Ion: 94 Resp: 539
Ion Ratio Lower Upper
94 100
96 109.8 76.9 115.3

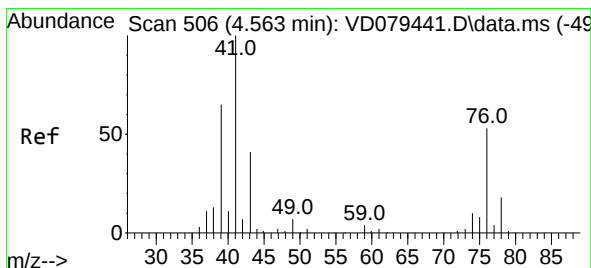
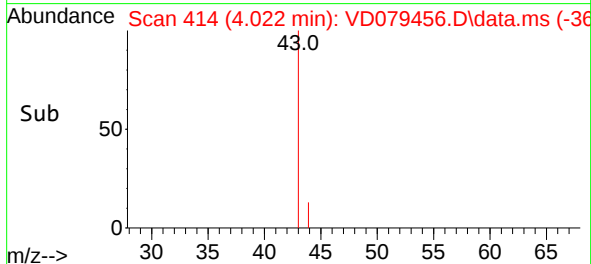
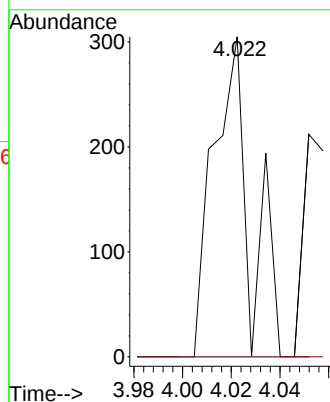
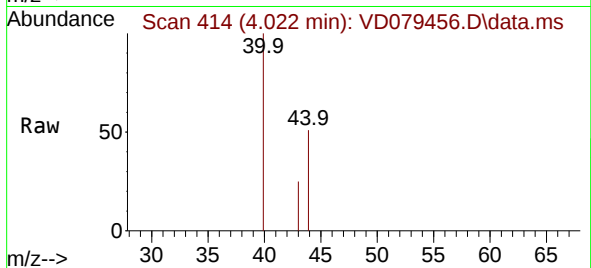




#16
Acetone
Concen: 1.242 ug/l
RT: 4.022 min Scan# 414
Delta R.T. 0.000 min
Lab File: VD079456.D
Acq: 30 Jul 2024 14:03

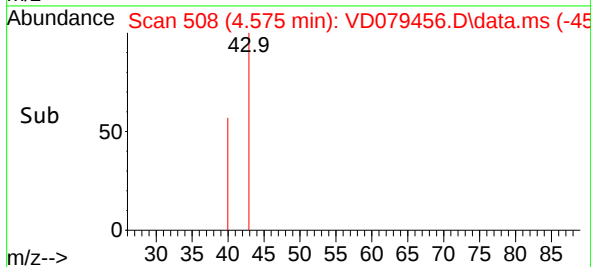
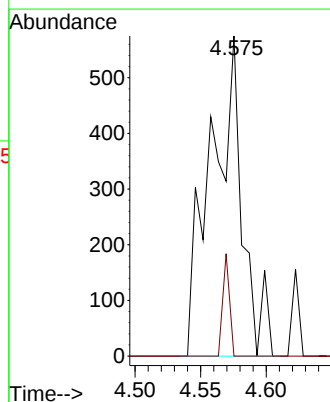
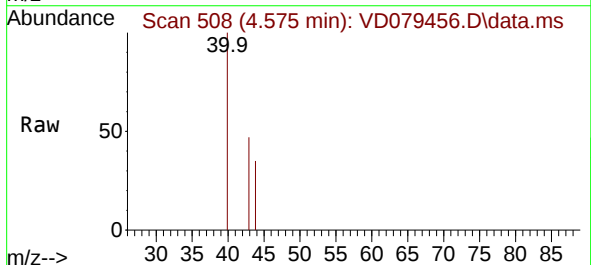
Instrument :
MSVOA_D
ClientSampleId :
OU4-PCS-01-072324

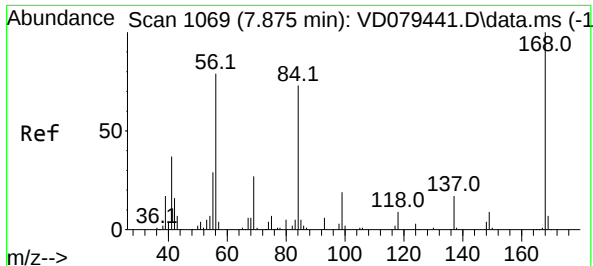
Tgt Ion: 43 Resp: 320
Ion Ratio Lower Upper
43 100
58 0.0 30.4 45.6#



#18
Methyl Acetate
Concen: 1.199 ug/l
RT: 4.575 min Scan# 508
Delta R.T. 0.006 min
Lab File: VD079456.D
Acq: 30 Jul 2024 14:03

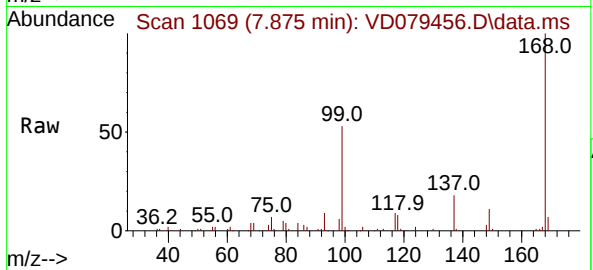
Tgt Ion: 43 Resp: 959
Ion Ratio Lower Upper
43 100
74 6.8 28.1 42.1#



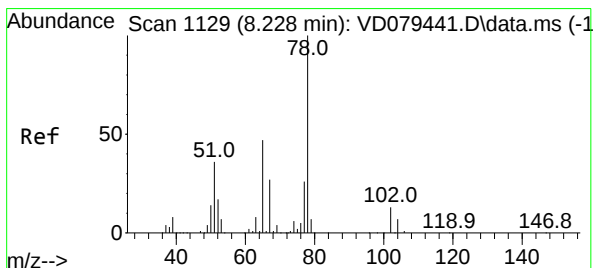
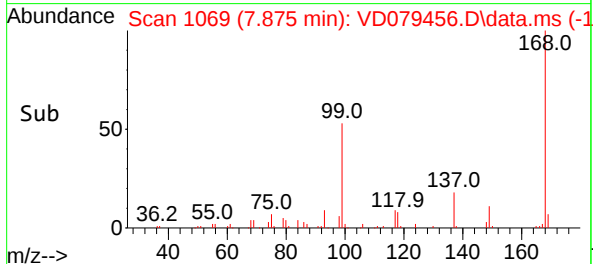
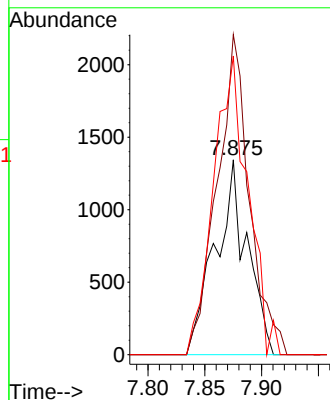


#31
Cyclohexane
Concen: 1.194 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.006 min
Lab File: VD079456.D
Acq: 30 Jul 2024 14:03

Instrument :
MSVOA_D
ClientSampleId :
OU4-PCS-01-072324

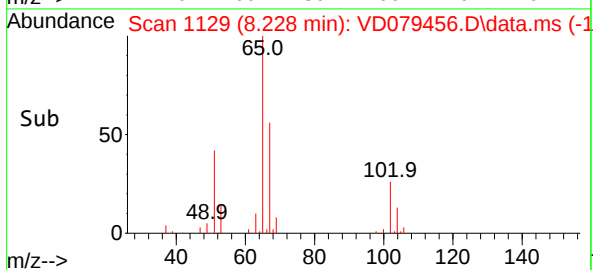
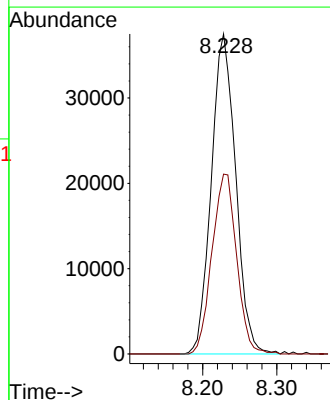
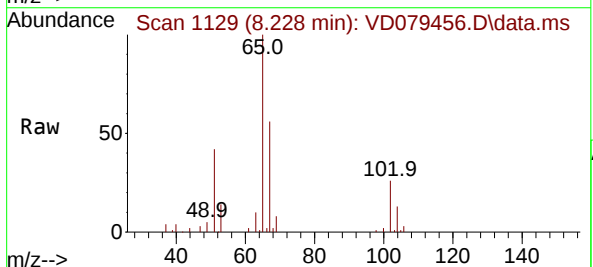


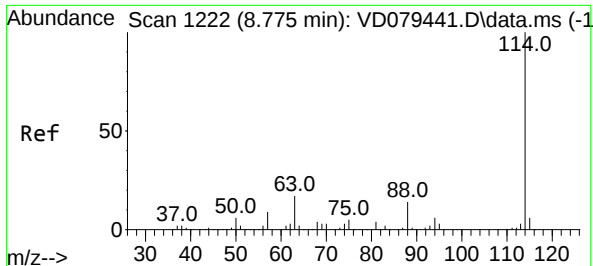
Tgt Ion: 56 Resp: 2630
Ion Ratio Lower Upper
56 100
69 164.2 28.0 42.0#
84 153.3 87.4 131.0#



#33
1,2-Dichloroethane-d4
Concen: 64.546 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. 0.000 min
Lab File: VD079456.D
Acq: 30 Jul 2024 14:03

Tgt Ion: 65 Resp: 85584
Ion Ratio Lower Upper
65 100
67 56.8 0.0 111.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1

Delta R.T. 0.000 min

Lab File: VD079456.D

Acq: 30 Jul 2024 14:03

Instrument :

MSVOA_D

ClientSampleId :

OU4-PCS-01-072324

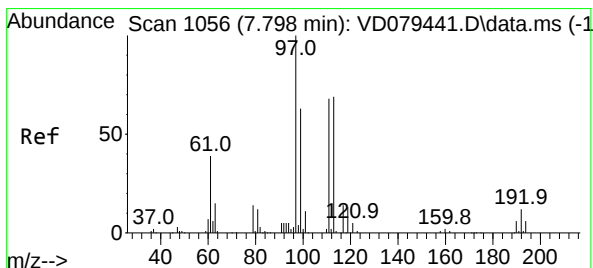
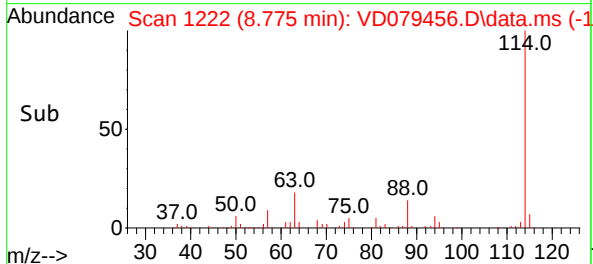
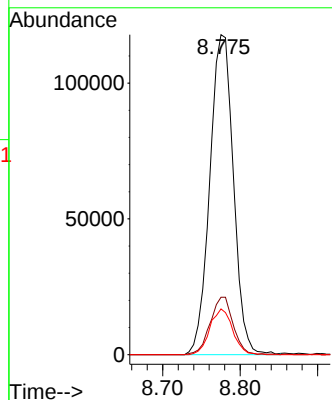
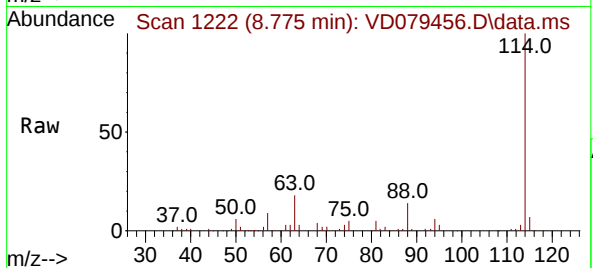
Tgt Ion:114 Resp: 249735

Ion Ratio Lower Upper

114 100

63 18.0 0.0 34.0

88 14.3 0.0 27.2



#35

Dibromofluoromethane

Concen: 59.354 ug/l

RT: 7.805 min Scan# 1057

Delta R.T. 0.000 min

Lab File: VD079456.D

Acq: 30 Jul 2024 14:03

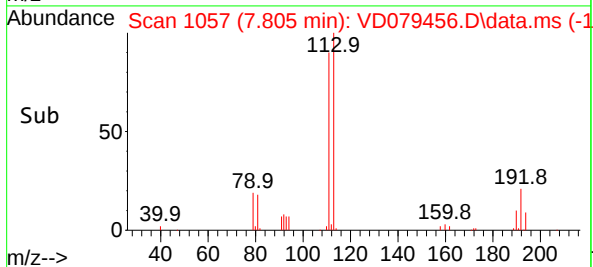
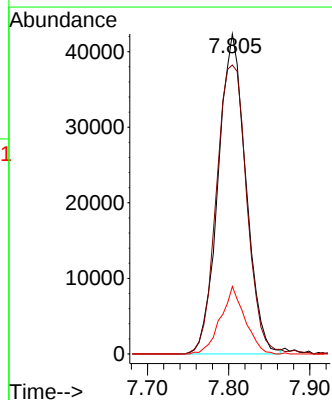
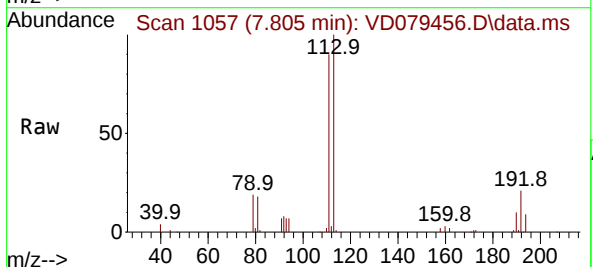
Tgt Ion:113 Resp: 100328

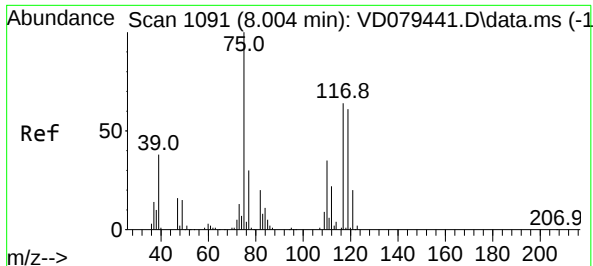
Ion Ratio Lower Upper

113 100

111 99.0 84.0 126.0

192 18.6 15.4 23.0





#36

1,1-Dichloropropene

Concen: 4.274 ug/l

RT: 7.869 min Scan# 1068

Delta R.T. -0.141 min

Lab File: VD079456.D

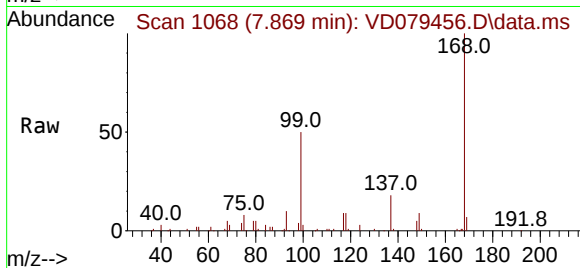
Acq: 30 Jul 2024 14:03

Instrument :

MSVOA_D

ClientSampleId :

OU4-PCS-01-072324



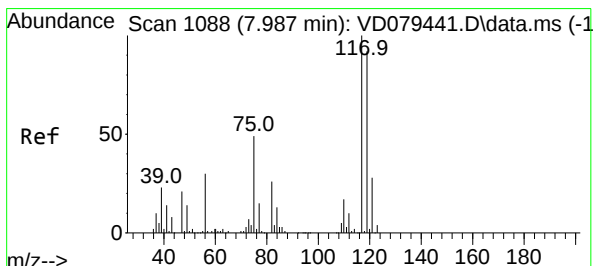
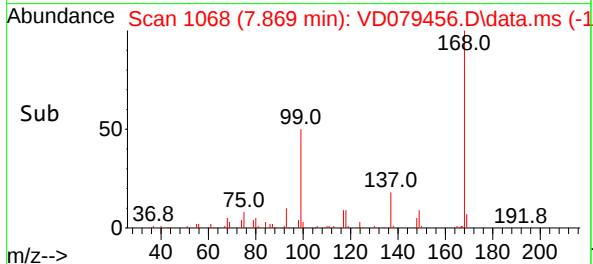
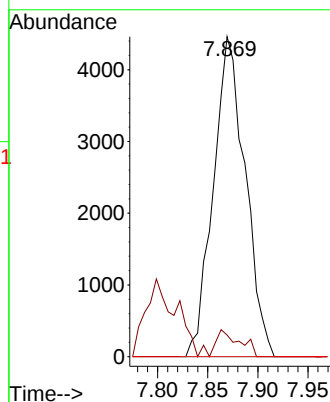
Tgt Ion: 75 Resp: 9860

Ion Ratio Lower Upper

75 100

110 6.0 19.6 58.7#

77 0.0 26.1 39.1#



#38

Carbon Tetrachloride

Concen: 4.830 ug/l

RT: 7.869 min Scan# 1068

Delta R.T. -0.118 min

Lab File: VD079456.D

Acq: 30 Jul 2024 14:03

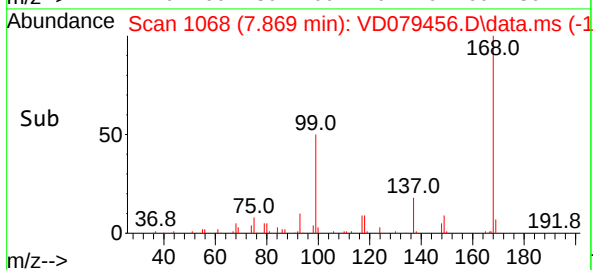
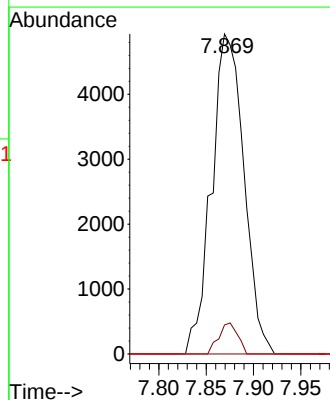
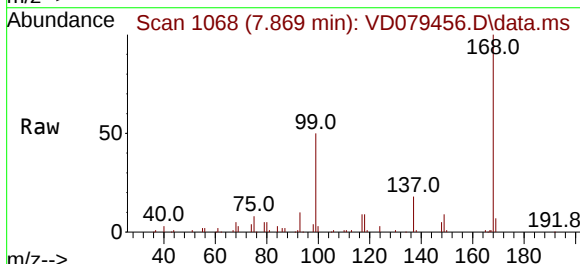
Tgt Ion: 117 Resp: 11714

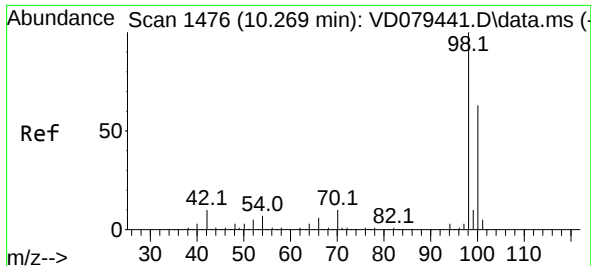
Ion Ratio Lower Upper

117 100

119 9.1 75.4 113.0#

121 0.0 25.0 37.4#

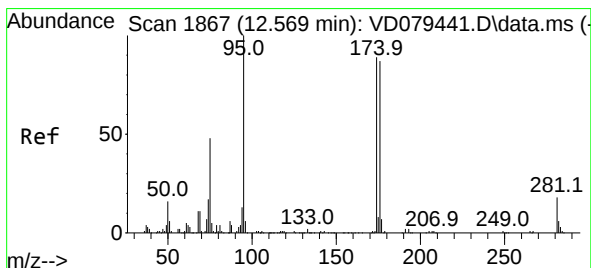
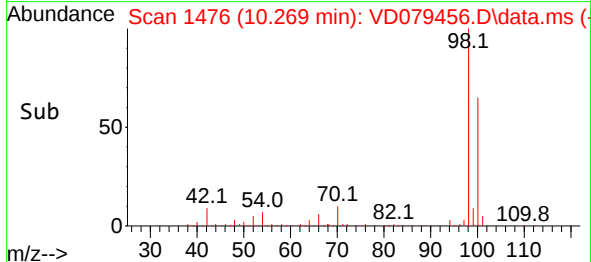
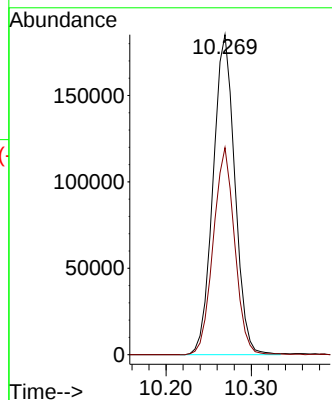
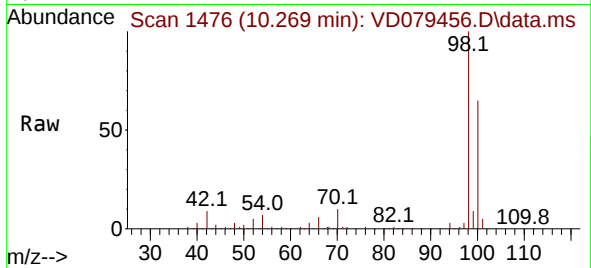




#50
Toluene-d8
Concen: 49.980 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.006 min
Lab File: VD079456.D
Acq: 30 Jul 2024 14:03

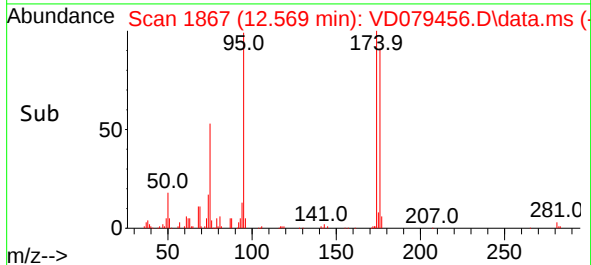
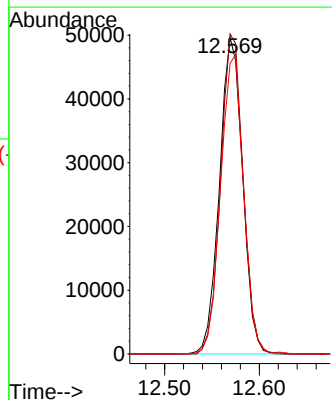
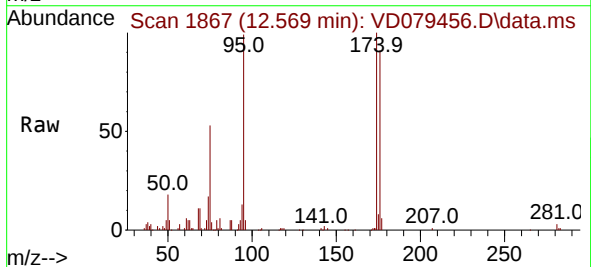
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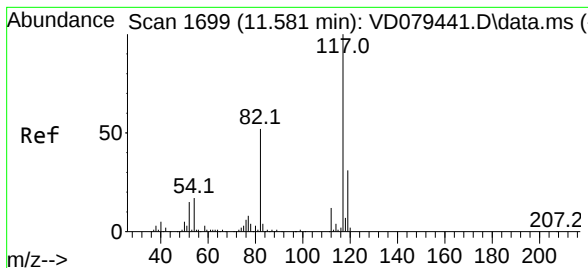
Tgt Ion: 98 Resp: 328078
Ion Ratio Lower Upper
98 100
100 63.7 51.6 77.4



#62
4-Bromofluorobenzene
Concen: 44.357 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. 0.000 min
Lab File: VD079456.D
Acq: 30 Jul 2024 14:03

Tgt Ion: 95 Resp: 84257
Ion Ratio Lower Upper
95 100
174 98.5 0.0 195.4
176 93.8 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: VD079456.D

Acq: 30 Jul 2024 14:03

Instrument :

MSVOA_D

ClientSampleId :

OU4-PCS-01-072324

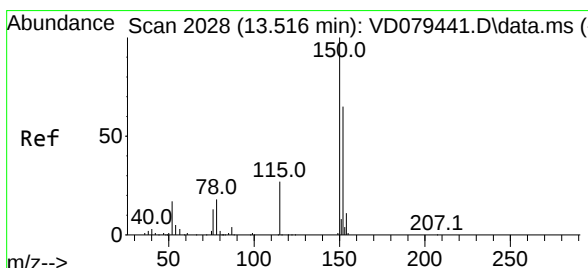
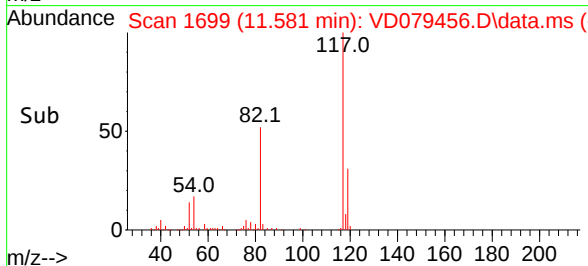
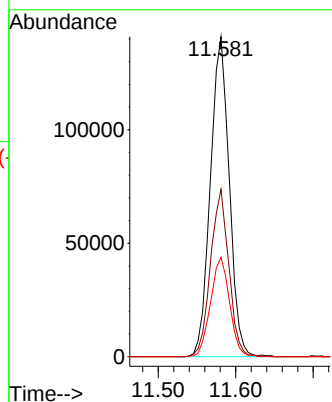
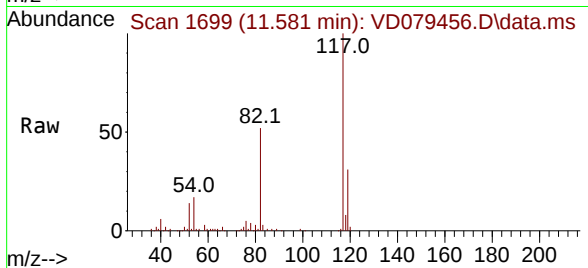
Tgt Ion:117 Resp: 238291

Ion Ratio Lower Upper

117 100

82 52.3 39.8 59.6

119 31.1 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: VD079456.D

Acq: 30 Jul 2024 14:03

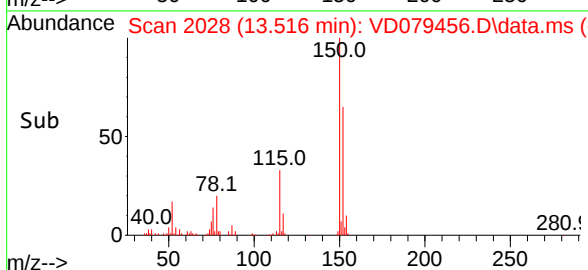
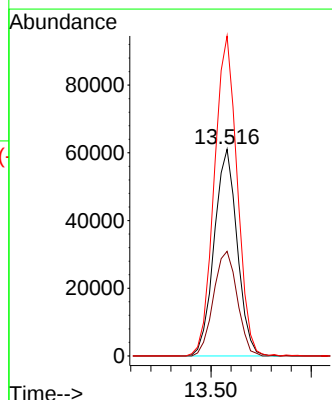
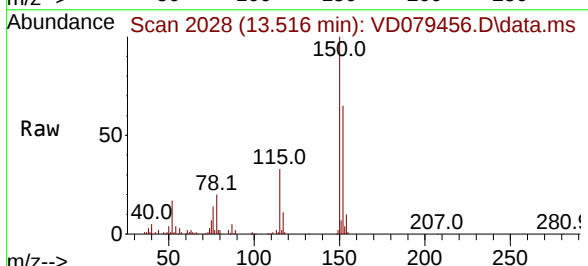
Tgt Ion:152 Resp: 97276

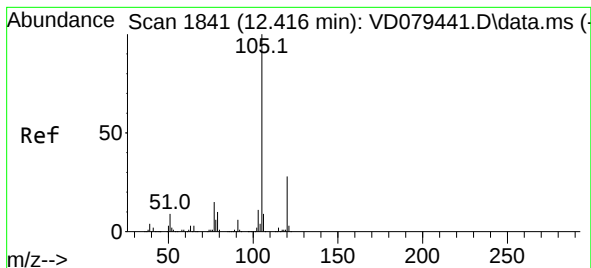
Ion Ratio Lower Upper

152 100

115 52.2 26.5 79.5

150 153.9 0.0 341.6





#73

Isopropylbenzene

Concen: 3.637 ug/l

RT: 12.569 min Scan# 1867

Delta R.T. 0.153 min

Lab File: VD079456.D

Acq: 30 Jul 2024 14:03

Instrument :

MSVOA_D

ClientSampleId :

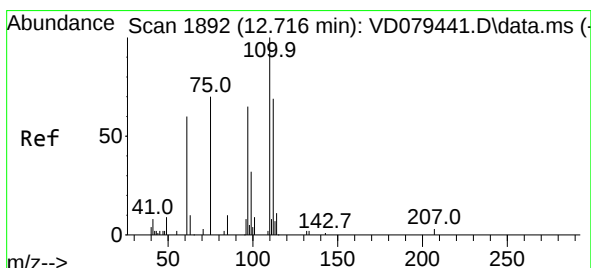
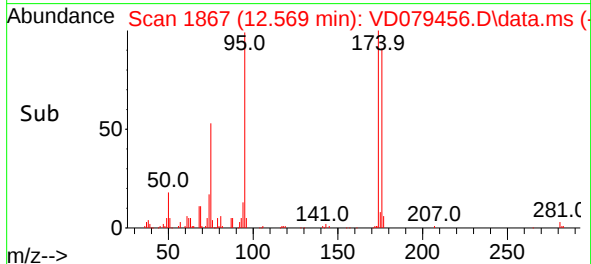
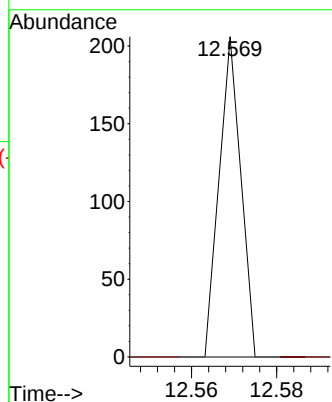
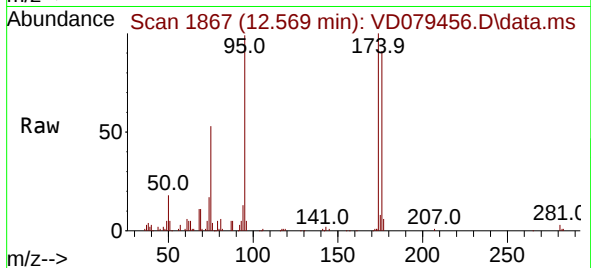
OU4-PCS-01-072324

Tgt Ion:105 Resp: 73

Ion Ratio Lower Upper

105 100

120 0.0 13.6 40.7#



#76

1,2,3-Trichloropropane

Concen: 51.319 ug/l

RT: 12.569 min Scan# 1867

Delta R.T. -0.153 min

Lab File: VD079456.D

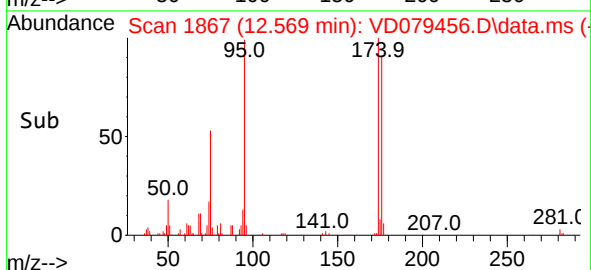
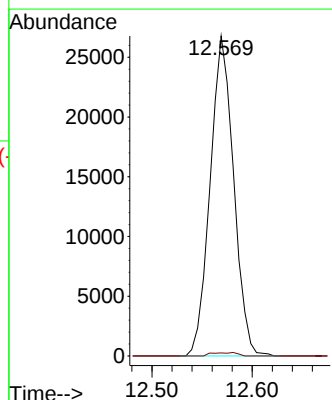
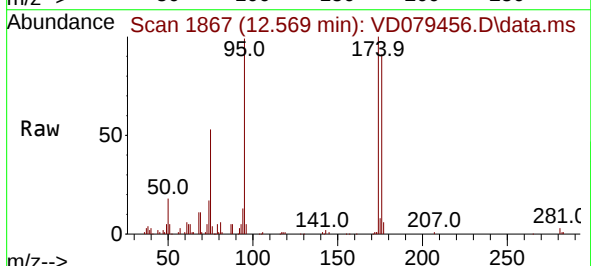
Acq: 30 Jul 2024 14:03

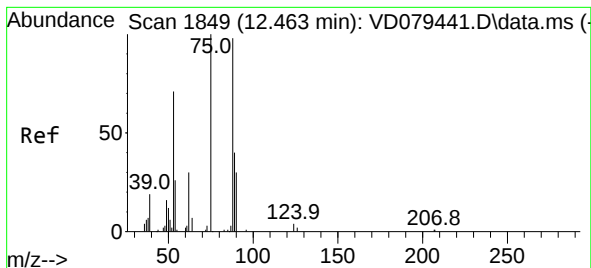
Tgt Ion: 75 Resp: 43636

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#

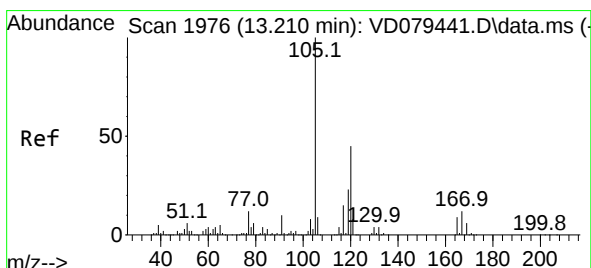
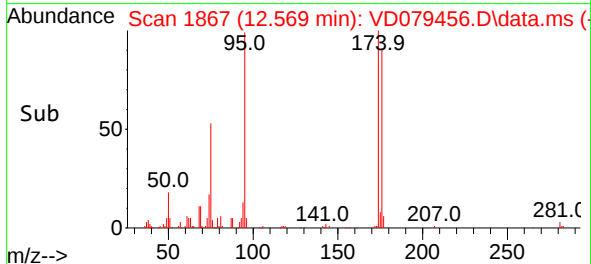
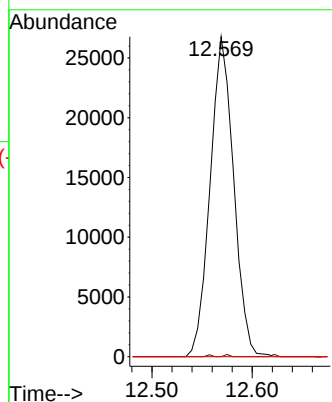
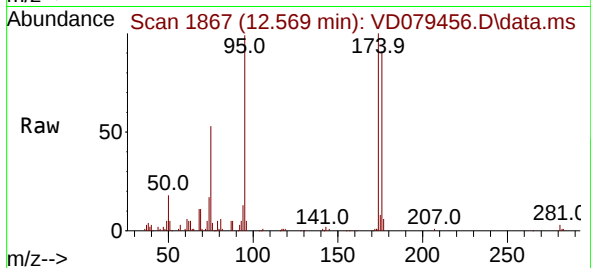




#81
trans-1,4-Dichloro-2-butene
Concen: 97.879 ug/l
RT: 12.569 min Scan# 1849
Delta R.T. 0.100 min
Lab File: VD079456.D
Acq: 30 Jul 2024 14:03

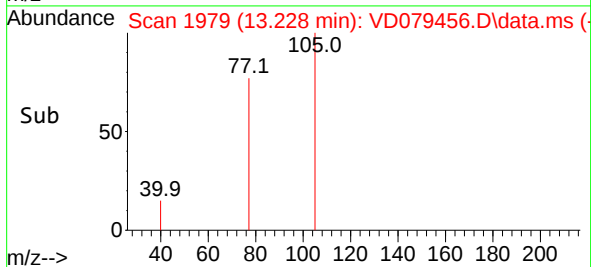
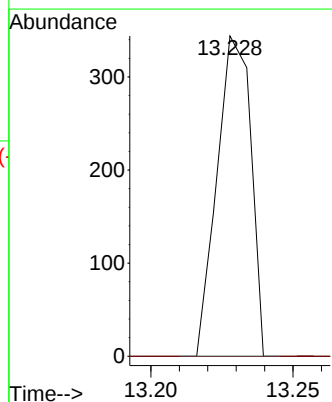
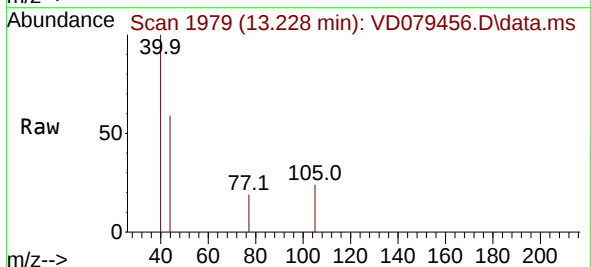
Instrument :
MSVOA_D
ClientSampleId :
OU4-PCS-01-072324

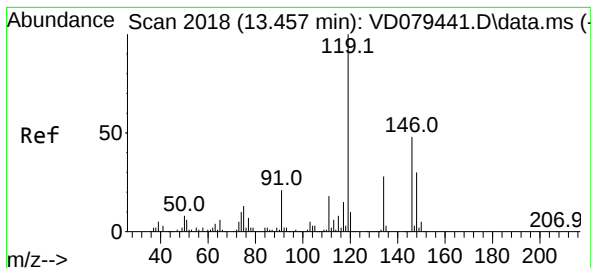
Tgt Ion: 75 Resp: 43636
Ion Ratio Lower Upper
75 100
53 0.1 61.4 92.2#
89 0.0 35.4 53.0#



#84
1,2,4-Trimethylbenzene
Concen: 3.472 ug/l
RT: 13.228 min Scan# 1979
Delta R.T. 0.024 min
Lab File: VD079456.D
Acq: 30 Jul 2024 14:03

Tgt Ion: 105 Resp: 285
Ion Ratio Lower Upper
105 100
120 0.0 23.6 71.0#

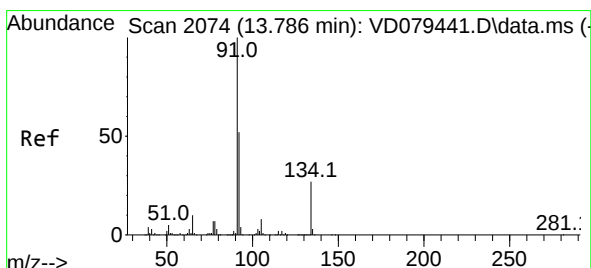
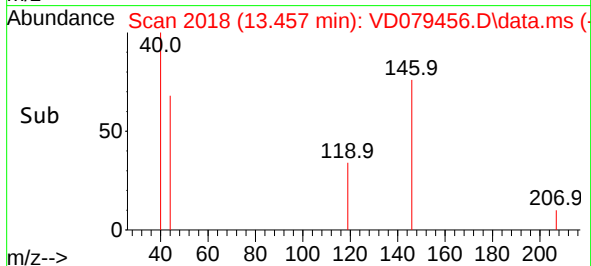
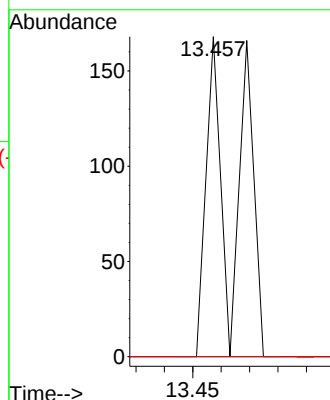
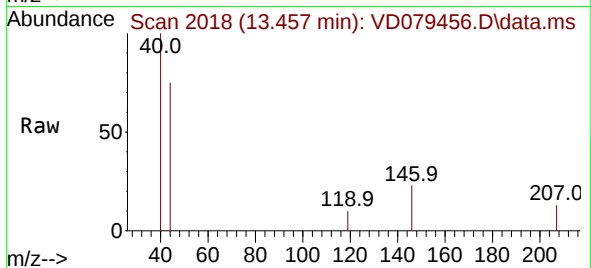




#86
p-Isopropyltoluene
Concen: 3.902 ug/l
RT: 13.457 min Scan# 2018
Delta R.T. 0.000 min
Lab File: VD079456.D
Acq: 30 Jul 2024 14:03

Instrument :
MSVOA_D
ClientSampleId :
OU4-PCS-01-072324

Tgt Ion:119 Resp: 118
Ion Ratio Lower Upper
119 100
134 0.0 13.7 41.1#
91 0.0 10.7 32.1#



#89
n-Butylbenzene
Concen: 3.809 ug/l
RT: 13.781 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VD079456.D
Acq: 30 Jul 2024 14:03

Tgt Ion: 91 Resp: 183
Ion Ratio Lower Upper
91 100
92 56.8 25.7 77.0
134 0.0 13.6 40.8#

