

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD073124\
 Data File : VD079503.D
 Acq On : 31 Jul 2024 18:28
 Operator : RP/MD
 Sample : P3379-19
 Misc : 6.00G/5.0ml/MSVOA_D/SOIL/B
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 OU4-VSL-05-072324

Quant Time: Aug 01 01:54:26 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)

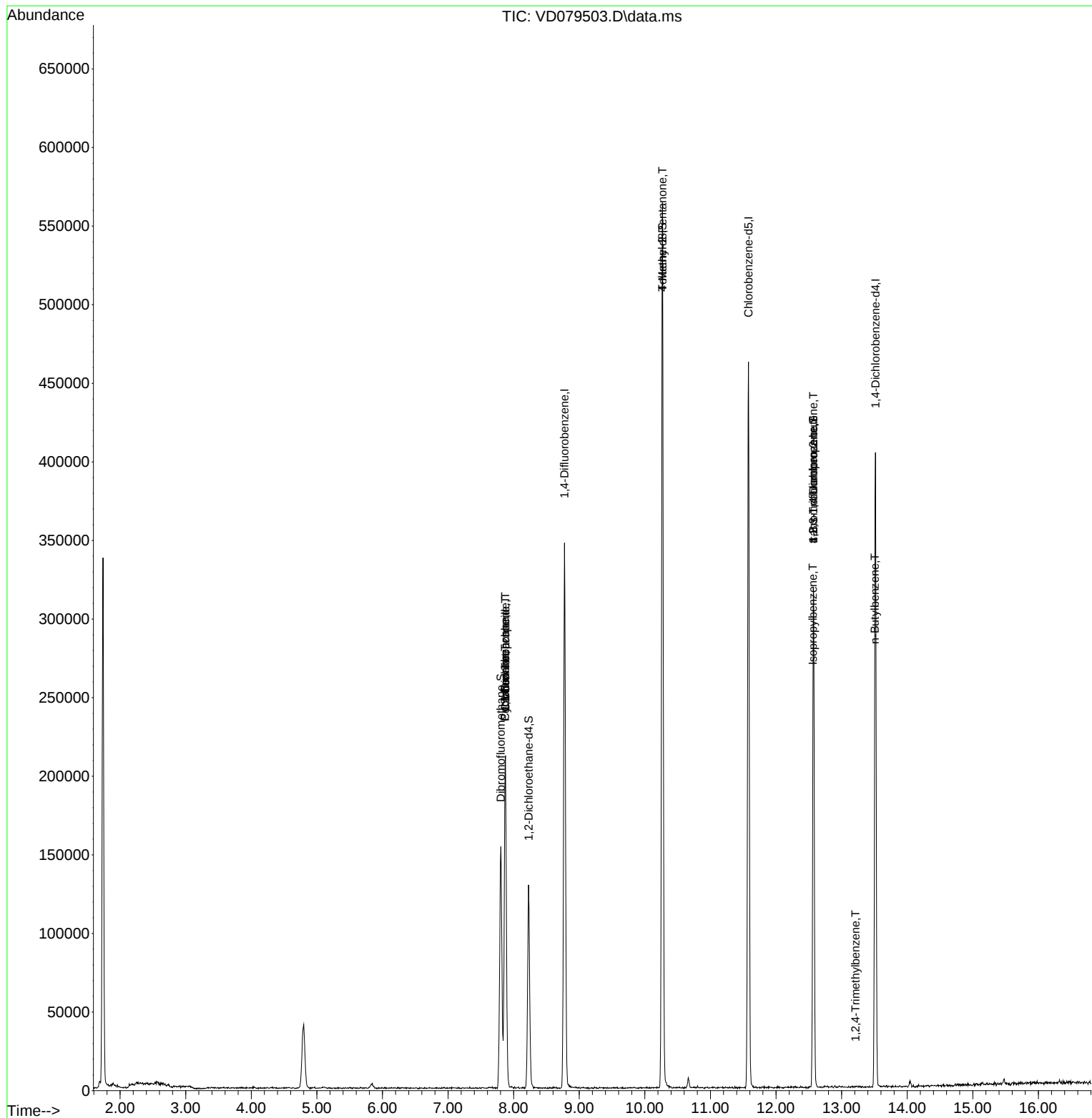
Internal Standards						
1) Pentafluorobenzene	7.869	168	170535	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	312860	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	287202	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	117829	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	93054	53.712	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery	= 107.420%		
35) Dibromofluoromethane	7.805	113	109829	51.865	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery	= 103.740%		
50) Toluene-d8	10.269	98	397461	48.333	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery	= 96.660%		
62) 4-Bromofluorobenzene	12.569	95	98171	41.254	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery	= 82.500%		
Target Compounds						Qvalue
5) Bromomethane	2.693	94	150	Below Cal	#	47
11) Tert butyl alcohol	5.058	59	55	Below Cal	#	86
20) Methylene Chloride	4.799	84	32328	Below Cal	#	90
31) Cyclohexane	7.869	56	3561	1.238	ug/l #	52
36) 1,1-Dichloropropene	7.875	75	13013	4.502	ug/l #	46
38) Carbon Tetrachloride	7.875	117	16737	5.509	ug/l #	21
51) 4-Methyl-2-Pentanone	10.269	43	1529	1.345	ug/l #	1
73) Isopropylbenzene	12.563	105	61	3.634	ug/l #	48
76) 1,2,3-Trichloropropane	12.569	75	49684	48.240	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.569	75	49684	92.006	ug/l #	19
84) 1,2,4-Trimethylbenzene	13.210	105	71	3.437	ug/l #	29
89) n-Butylbenzene	13.504	91	440	3.836	ug/l #	34

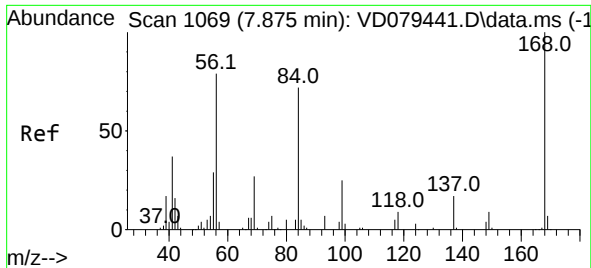
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Aug 01 01:54:26 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D072924S.M
Quant Title : SW846 8260
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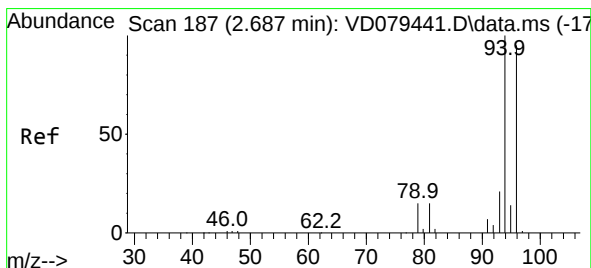
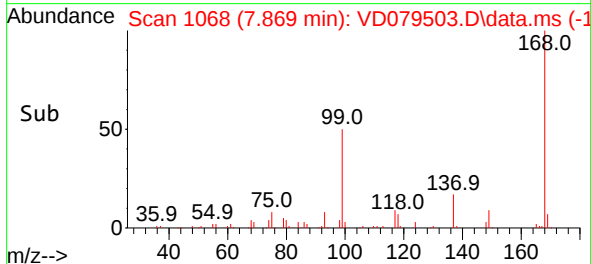
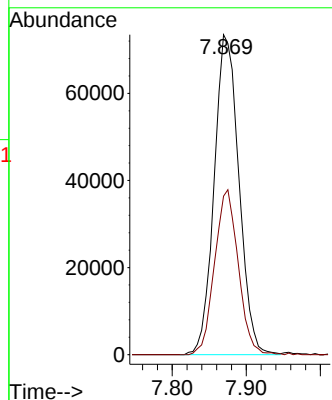
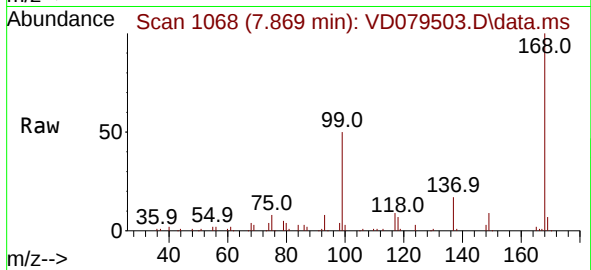




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.869 min Scan# 1069
Delta R.T. -0.006 min
Lab File: VD079503.D
Acq: 31 Jul 2024 18:28

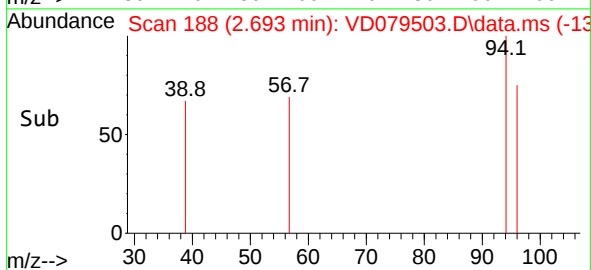
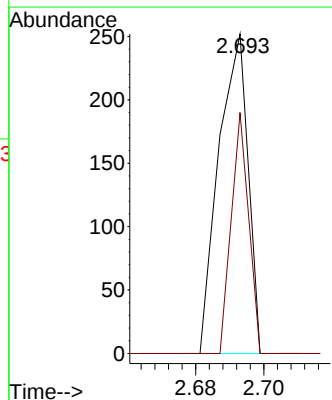
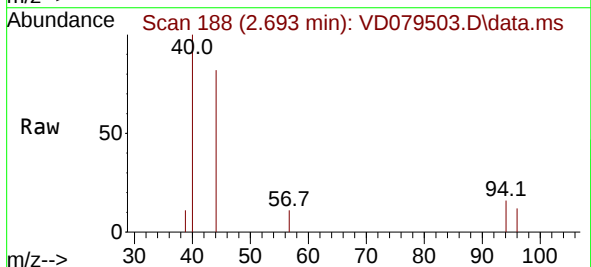
Instrument :
MSVOA_D
ClientSampleId :
OU4-VSL-05-072324

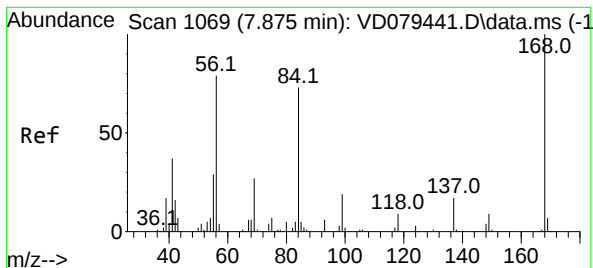
Tgt Ion:168 Resp: 170535
Ion Ratio Lower Upper
168 100
99 49.5 41.1 61.7



#5
Bromomethane
Concen: Below Cal
RT: 2.693 min Scan# 188
Delta R.T. 0.006 min
Lab File: VD079503.D
Acq: 31 Jul 2024 18:28

Tgt Ion: 94 Resp: 150
Ion Ratio Lower Upper
94 100
96 44.7 76.9 115.3#





#31

Cyclohexane

Concen: 1.238 ug/l

RT: 7.869 min Scan# 1068

Delta R.T. -0.012 min

Lab File: VD079503.D

Acq: 31 Jul 2024 18:28

Instrument :

MSVOA_D

ClientSampleId :

OU4-VSL-05-072324

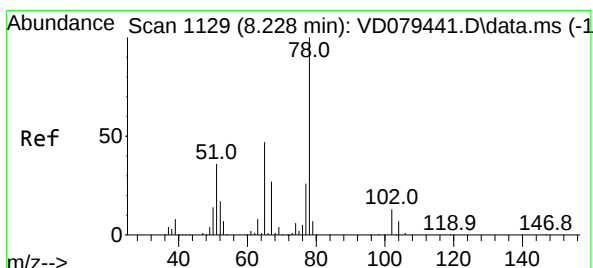
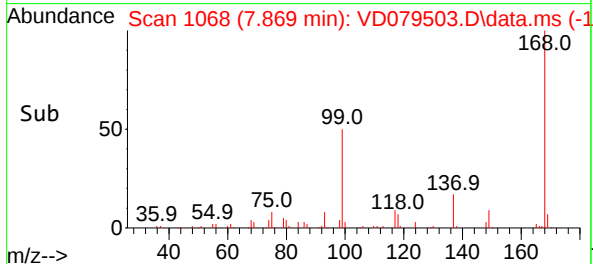
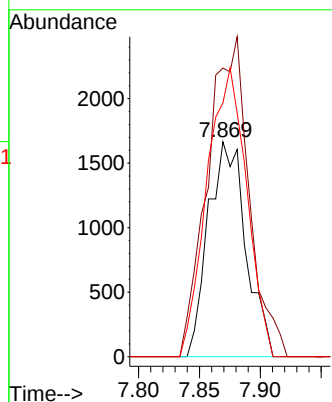
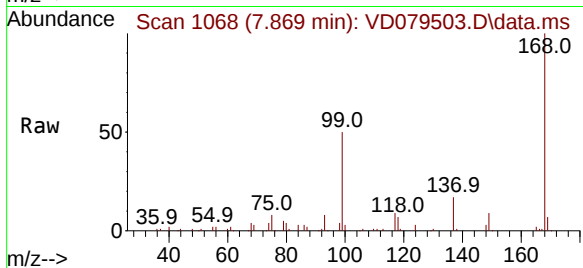
Tgt Ion: 56 Resp: 3561

Ion Ratio Lower Upper

56 100

69 134.4 28.0 42.0#

84 118.1 87.4 131.0



#33

1,2-Dichloroethane-d4

Concen: 53.712 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.000 min

Lab File: VD079503.D

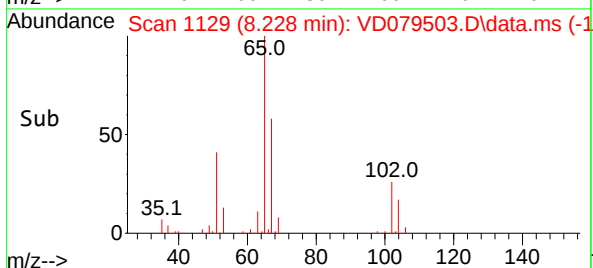
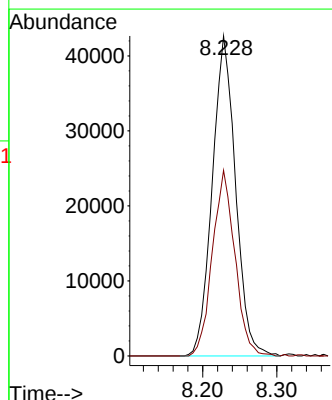
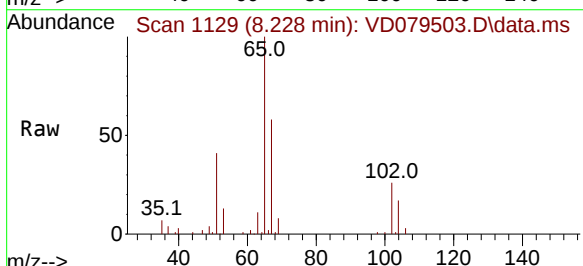
Acq: 31 Jul 2024 18:28

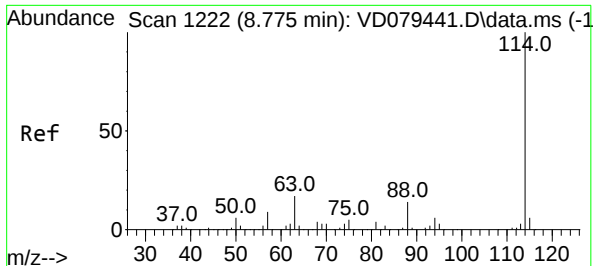
Tgt Ion: 65 Resp: 93054

Ion Ratio Lower Upper

65 100

67 56.1 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: VD079503.D

Acq: 31 Jul 2024 18:28

Instrument :

MSVOA_D

ClientSampleId :

OU4-VSL-05-072324

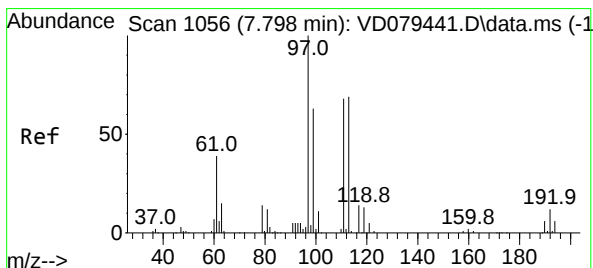
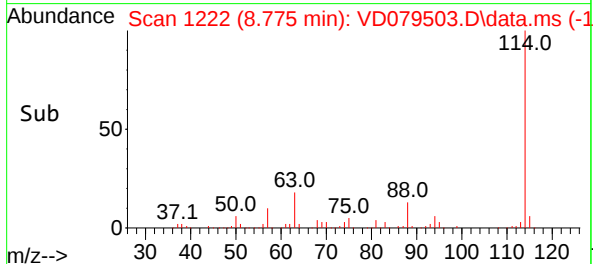
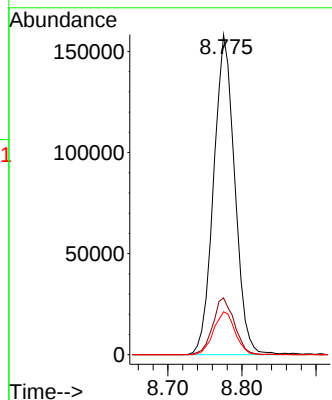
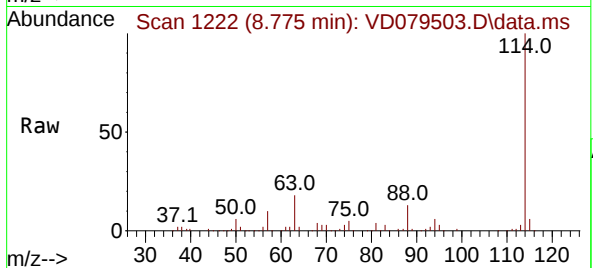
Tgt Ion:114 Resp: 312860

Ion Ratio Lower Upper

114 100

63 17.7 0.0 34.0

88 13.4 0.0 27.2



#35

Dibromofluoromethane

Concen: 51.865 ug/l

RT: 7.805 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VD079503.D

Acq: 31 Jul 2024 18:28

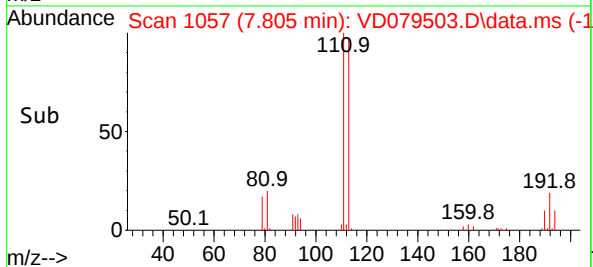
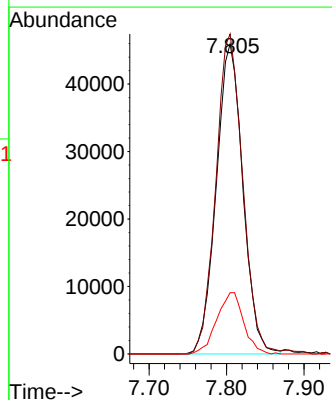
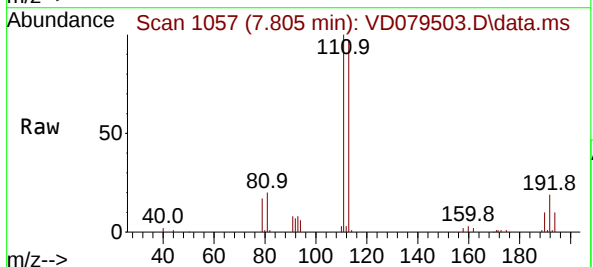
Tgt Ion:113 Resp: 109829

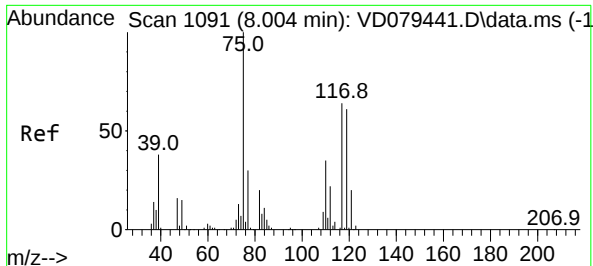
Ion Ratio Lower Upper

113 100

111 103.6 84.0 126.0

192 20.0 15.4 23.0





#36

1,1-Dichloropropene

Concen: 4.502 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.135 min

Lab File: VD079503.D

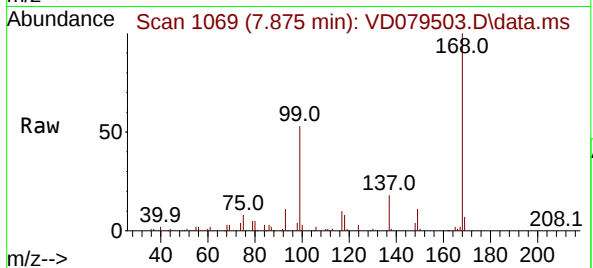
Acq: 31 Jul 2024 18:28

Instrument :

MSVOA_D

ClientSampleId :

OU4-VSL-05-072324



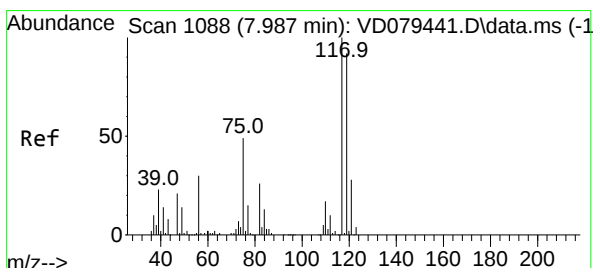
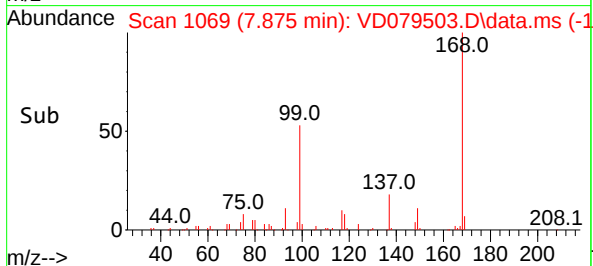
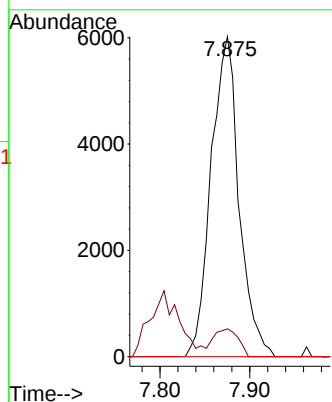
Tgt Ion: 75 Resp: 13013

Ion Ratio Lower Upper

75 100

110 7.6 19.6 58.7#

77 0.0 26.1 39.1#



#38

Carbon Tetrachloride

Concen: 5.509 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.112 min

Lab File: VD079503.D

Acq: 31 Jul 2024 18:28

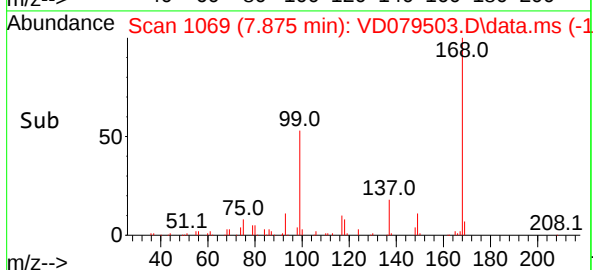
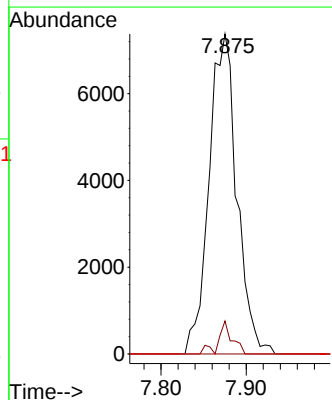
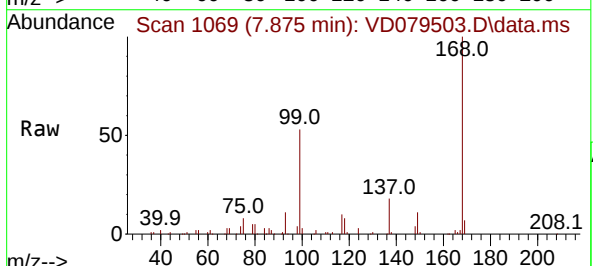
Tgt Ion: 117 Resp: 16737

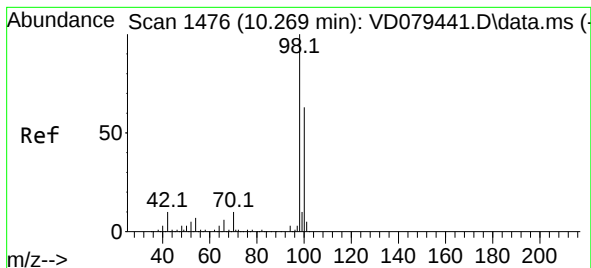
Ion Ratio Lower Upper

117 100

119 10.3 75.4 113.0#

121 0.0 25.0 37.4#





#50

Toluene-d8

Concen: 48.333 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.006 min

Lab File: VD079503.D

Acq: 31 Jul 2024 18:28

Instrument :

MSVOA_D

ClientSampleId :

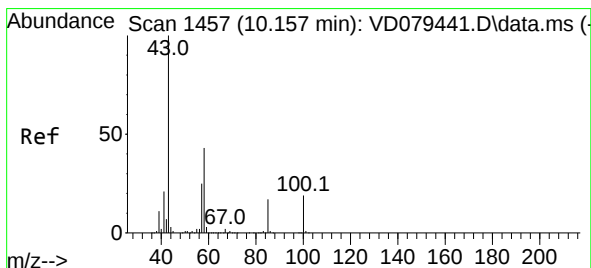
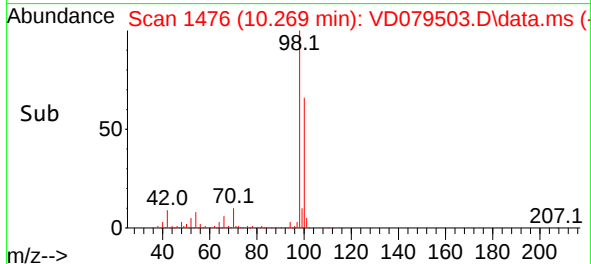
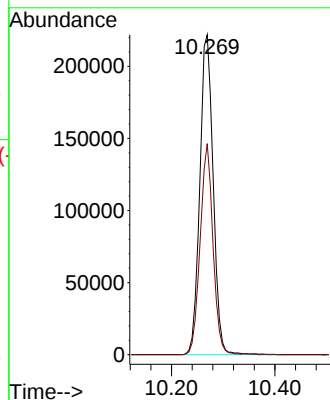
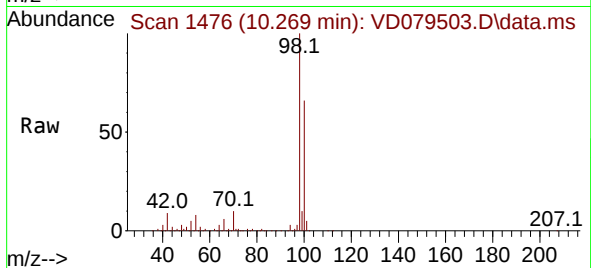
OU4-VSL-05-072324

Tgt Ion: 98 Resp: 397461

Ion Ratio Lower Upper

98 100

100 63.3 51.6 77.4



#51

4-Methyl-2-Pentanone

Concen: 1.345 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.112 min

Lab File: VD079503.D

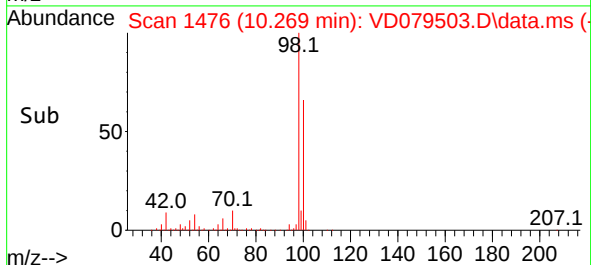
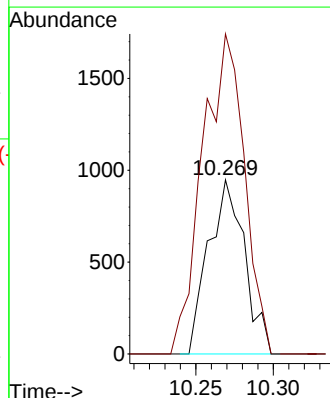
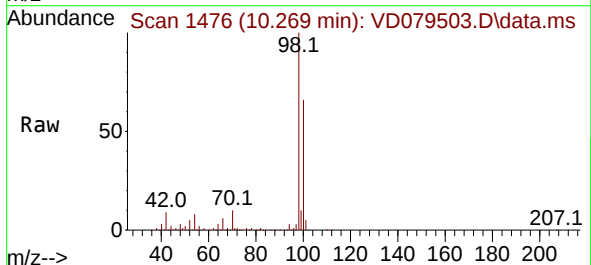
Acq: 31 Jul 2024 18:28

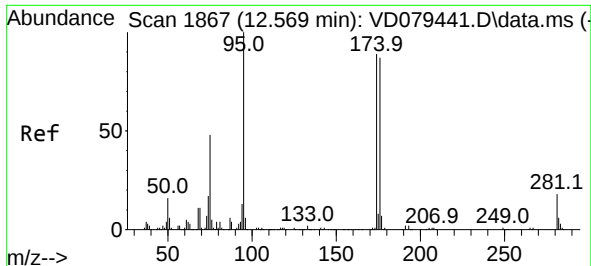
Tgt Ion: 43 Resp: 1529

Ion Ratio Lower Upper

43 100

58 213.9 36.6 55.0#

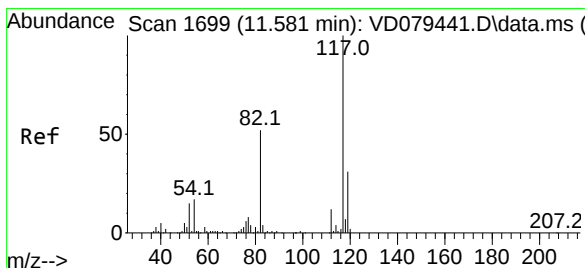
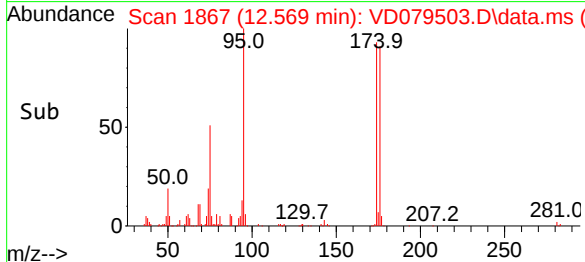
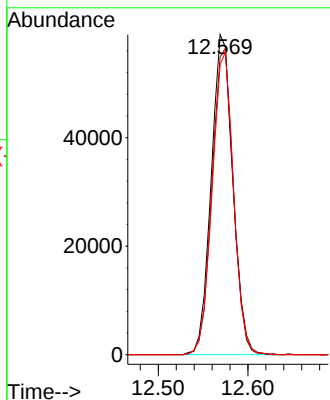
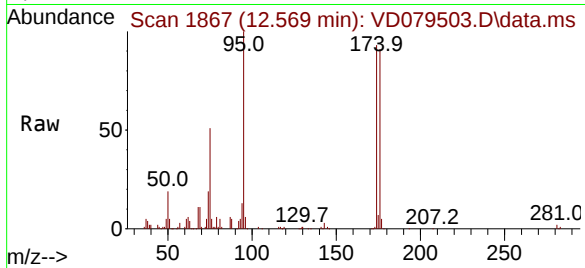




#62
4-Bromofluorobenzene
Concen: 41.254 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.000 min
Lab File: VD079503.D
Acq: 31 Jul 2024 18:28

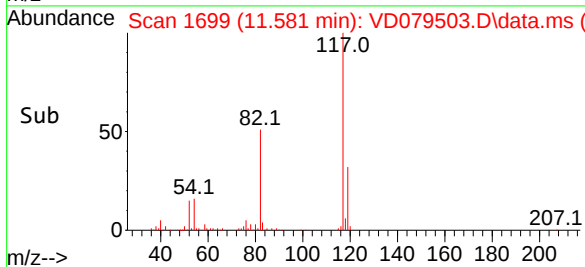
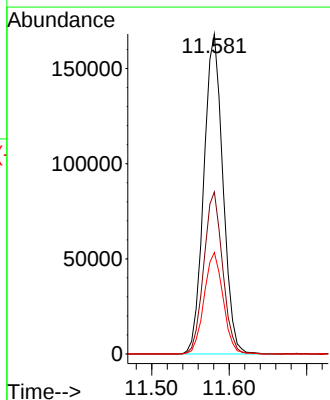
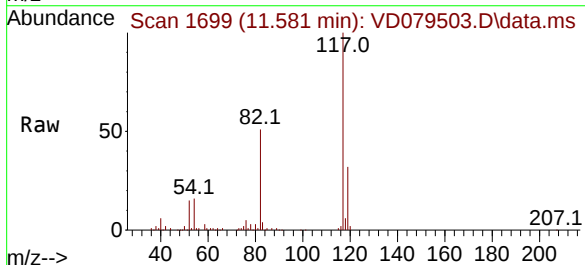
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OU4-VSL-05-072324

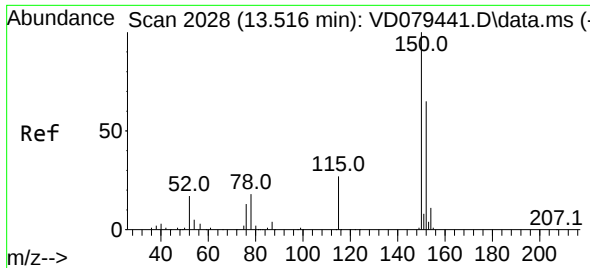
Tgt Ion:	95	Resp:	98171
Ion	Ratio	Lower	Upper
95	100		
174	95.6	0.0	195.4
176	93.5	0.0	192.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD079503.D
Acq: 31 Jul 2024 18:28

Tgt Ion:	117	Resp:	287202
Ion	Ratio	Lower	Upper
117	100		
82	50.6	39.8	59.6
119	31.7	25.7	38.5

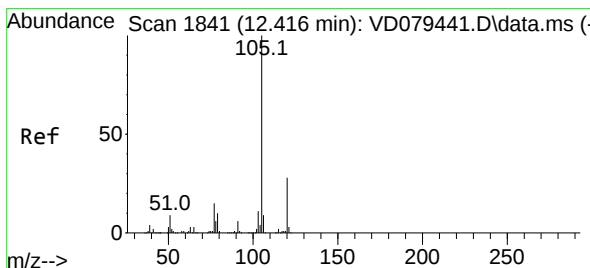
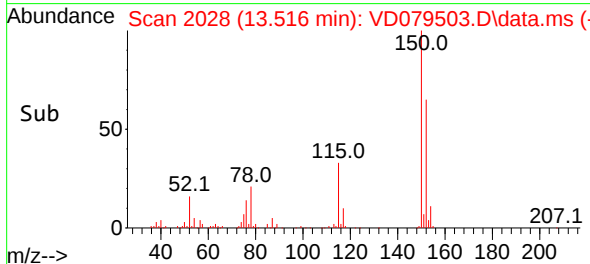
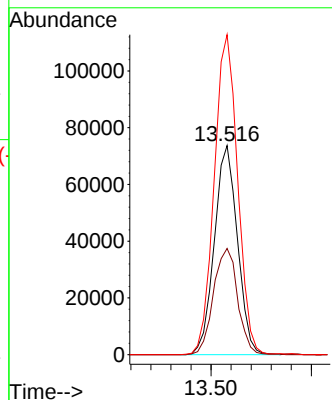
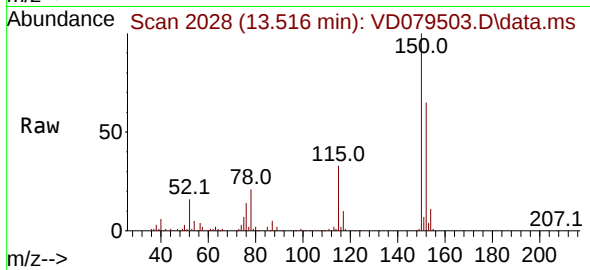




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. 0.006 min
Lab File: VD079503.D
Acq: 31 Jul 2024 18:28

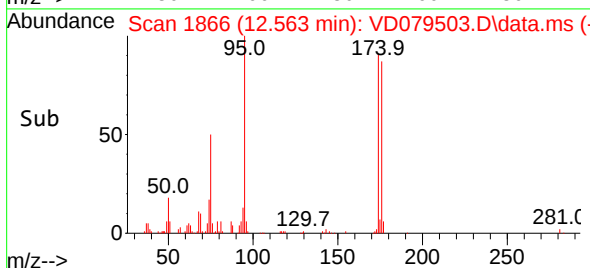
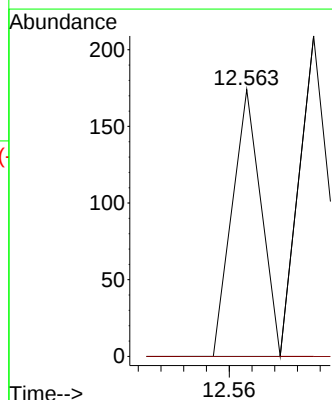
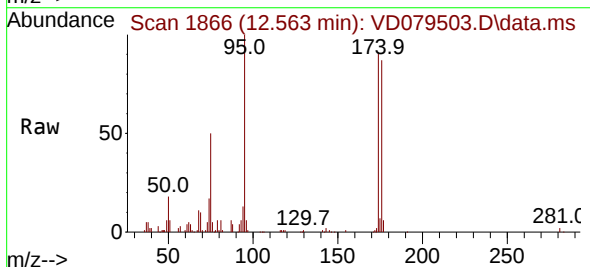
Instrument :
MSVOA_D
ClientSampleId :
OU4-VSL-05-072324

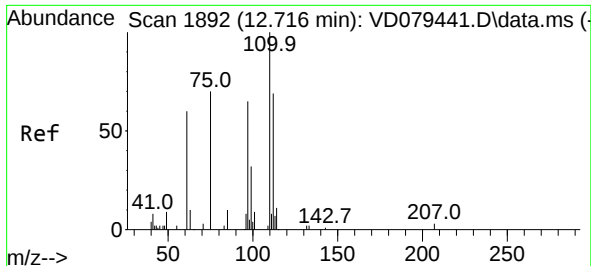
Tgt Ion:152 Resp: 117829
Ion Ratio Lower Upper
152 100
115 53.2 26.5 79.5
150 155.4 0.0 341.6



#73
Isopropylbenzene
Concen: 3.634 ug/l
RT: 12.563 min Scan# 1866
Delta R.T. 0.147 min
Lab File: VD079503.D
Acq: 31 Jul 2024 18:28

Tgt Ion:105 Resp: 61
Ion Ratio Lower Upper
105 100
120 0.0 13.6 40.7#

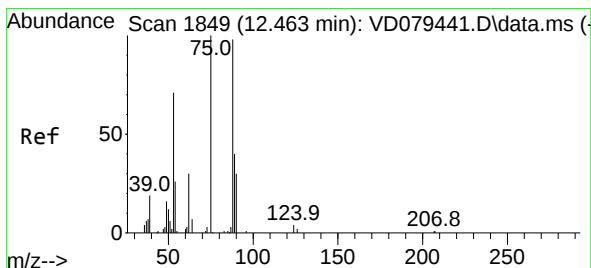
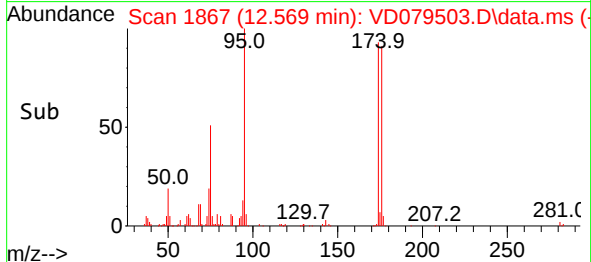
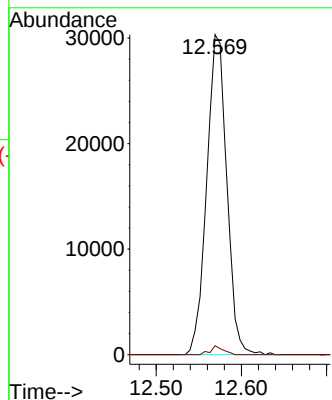
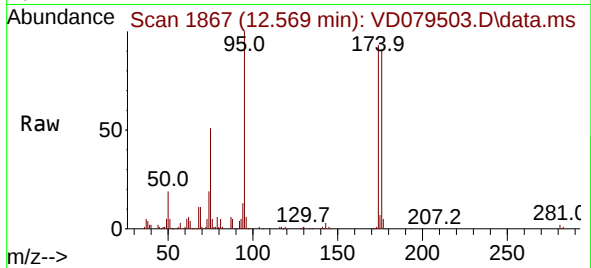




#76
1,2,3-Trichloropropane
Concen: 48.240 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.153 min
Lab File: VD079503.D
Acq: 31 Jul 2024 18:28

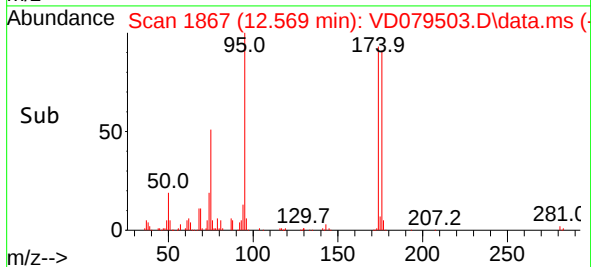
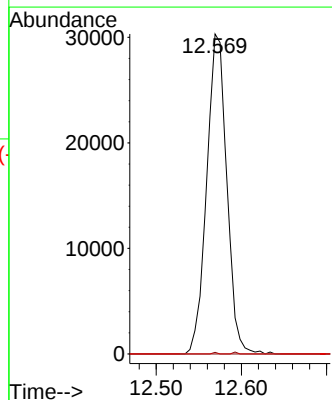
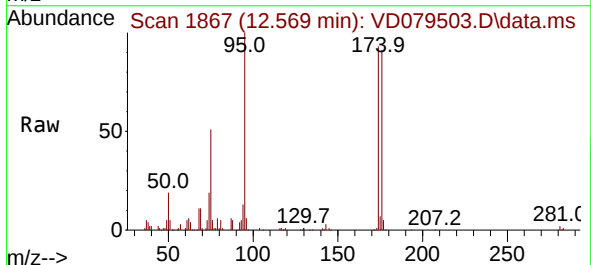
Instrument :
MSVOA_D
ClientSampleId :
OU4-VSL-05-072324

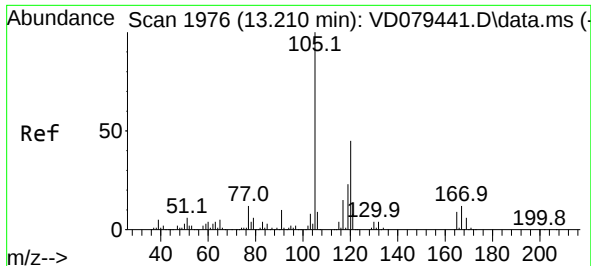
Tgt Ion: 75 Resp: 49684
Ion Ratio Lower Upper
75 100
77 1.8 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 92.006 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. 0.100 min
Lab File: VD079503.D
Acq: 31 Jul 2024 18:28

Tgt Ion: 75 Resp: 49684
Ion Ratio Lower Upper
75 100
53 0.1 61.4 92.2#
89 0.0 35.4 53.0#

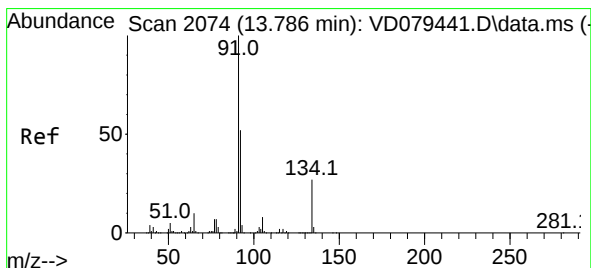
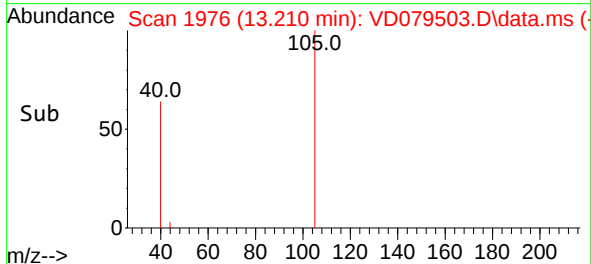
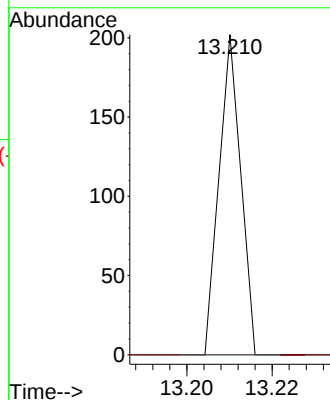
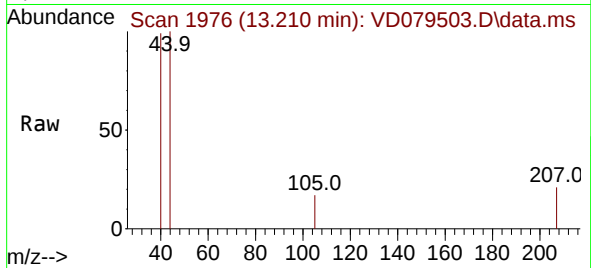




#84
1,2,4-Trimethylbenzene
Concen: 3.437 ug/l
RT: 13.210 min Scan# 1976
Delta R.T. 0.006 min
Lab File: VD079503.D
Acq: 31 Jul 2024 18:28

Instrument :
MSVOA_D
ClientSampleId :
OU4-VSL-05-072324

Tgt Ion:105 Resp: 71
Ion Ratio Lower Upper
105 100
120 0.0 23.6 71.0#



#89
n-Butylbenzene
Concen: 3.836 ug/l
RT: 13.504 min Scan# 2026
Delta R.T. -0.277 min
Lab File: VD079503.D
Acq: 31 Jul 2024 18:28

Tgt Ion: 91 Resp: 440
Ion Ratio Lower Upper
91 100
92 0.0 25.7 77.0#
134 0.0 13.6 40.8#

