

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD073024\
 Data File : VD079463.D
 Acq On : 30 Jul 2024 17:16
 Operator : RP/MD
 Sample : P3379-13
 Misc : 5.90G/5.0ml/MSVOA_D/SOIL/A
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 OU4-VSL-02-072324

Quant Time: Jul 31 01:55:05 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)

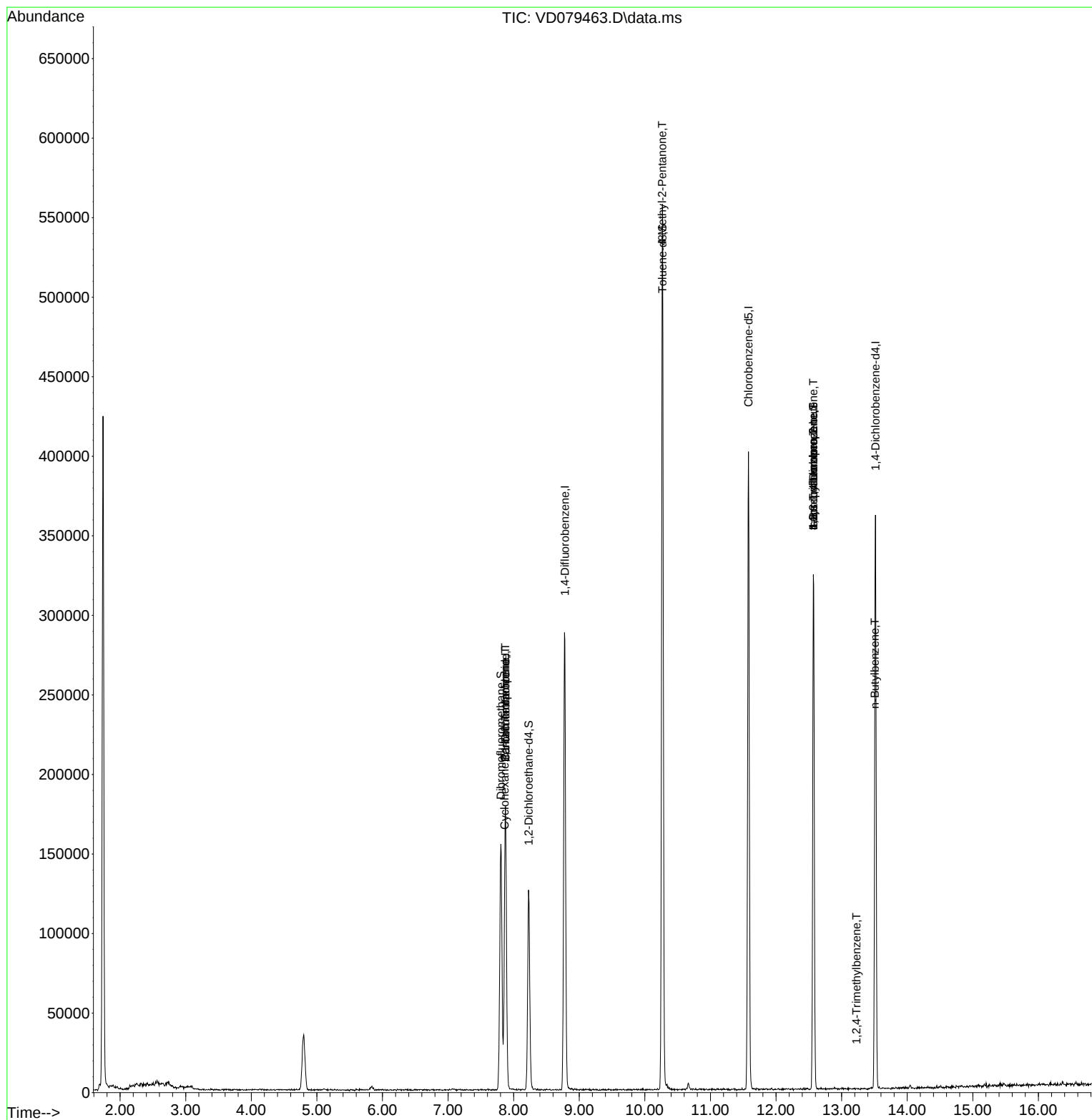
Internal Standards						
1) Pentafluorobenzene	7.875	168	146807	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	269193	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	248577	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	103795	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	96931	64.992	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 129.980%			
35) Dibromofluoromethane	7.804	113	112308	61.639	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 123.280%			
50) Toluene-d8	10.269	98	397706	56.208	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 112.420%			
62) 4-Bromofluorobenzene	12.569	95	99613	48.650	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 97.300%			
Target Compounds						
					Qvalue	
5) Bromomethane	2.693	94	328	Below Cal	#	68
11) Tert butyl alcohol	5.034	59	127	Below Cal	#	86
20) Methylene Chloride	4.805	84	28237	Below Cal		97
31) Cyclohexane	7.863	56	2862	1.155	ug/l #	63
36) 1,1-Dichloropropene	7.875	75	10355	4.164	ug/l #	46
38) Carbon Tetrachloride	7.875	117	13615	5.208	ug/l #	19
51) 4-Methyl-2-Pentanone	10.263	43	1256	1.284	ug/l #	1
73) Isopropylbenzene	12.569	105	139	3.644	ug/l #	48
76) 1,2,3-Trichloropropane	12.569	75	49991	55.100	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.569	75	49991	105.091	ug/l #	19
84) 1,2,4-Trimethylbenzene	13.228	105	231	3.462	ug/l #	29
89) n-Butylbenzene	13.504	91	215	3.812	ug/l #	34

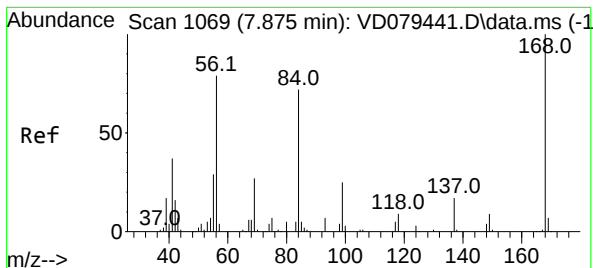
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD073024\
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OU4-VSL-02-072324

Quant Time: Jul 31 01:55:05 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: VD079463.D

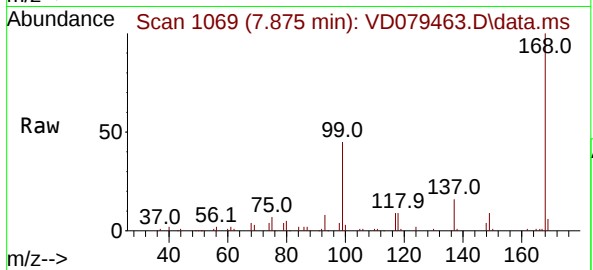
Acq: 30 Jul 2024 17:16

Instrument :

MSVOA_D

ClientSampleId :

OU4-VSL-02-072324

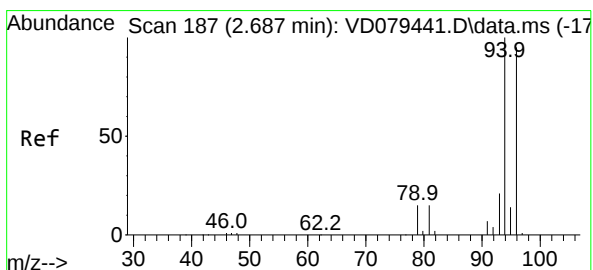
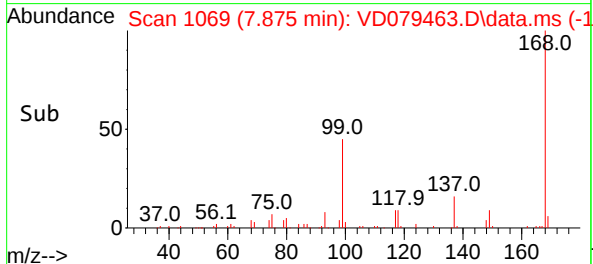
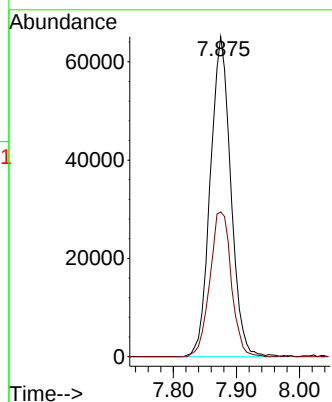


Tgt Ion:168 Resp: 146807

Ion Ratio Lower Upper

168 100

99 45.3 41.1 61.7



#5

Bromomethane

Concen: Below Cal

RT: 2.693 min Scan# 188

Delta R.T. 0.006 min

Lab File: VD079463.D

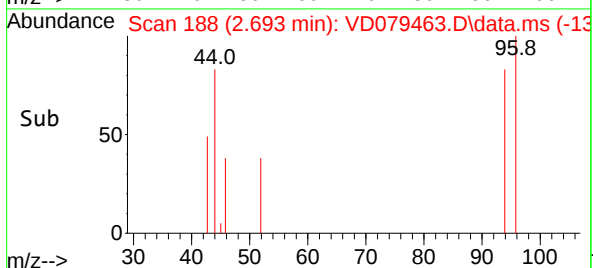
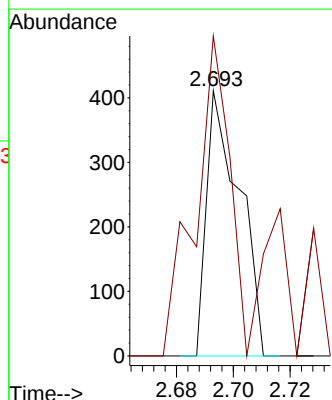
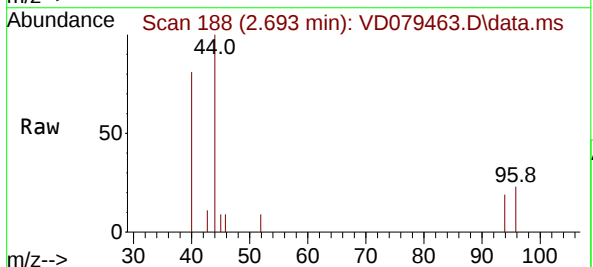
Acq: 30 Jul 2024 17:16

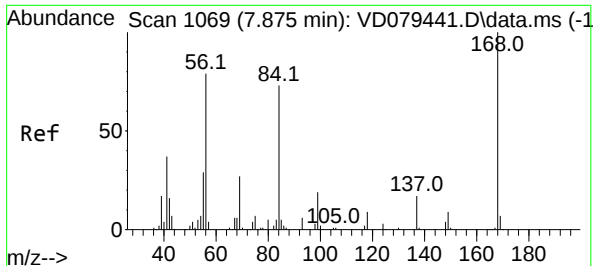
Tgt Ion: 94 Resp: 328

Ion Ratio Lower Upper

94 100

96 127.1 76.9 115.3#

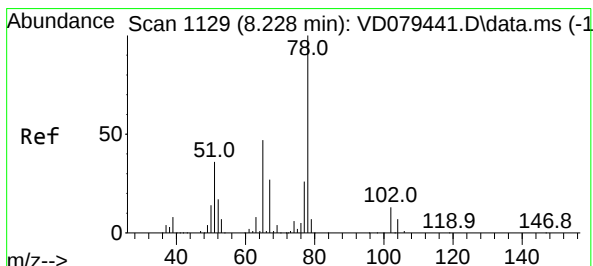
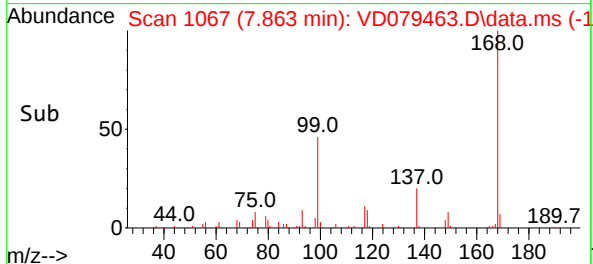
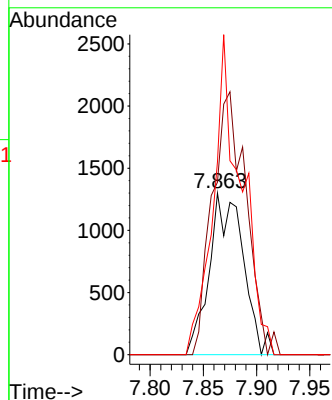
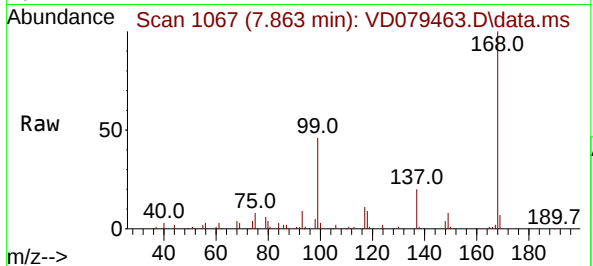




#31
Cyclohexane
Concen: 1.155 ug/l
RT: 7.863 min Scan# 1069
Delta R.T. -0.018 min
Lab File: VD079463.D
Acq: 30 Jul 2024 17:16

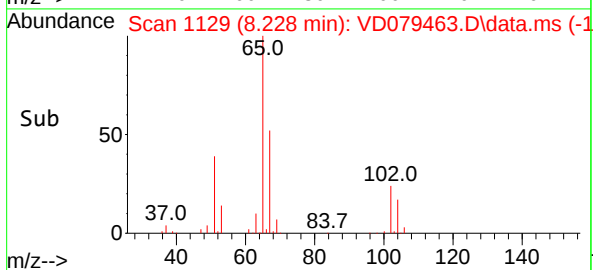
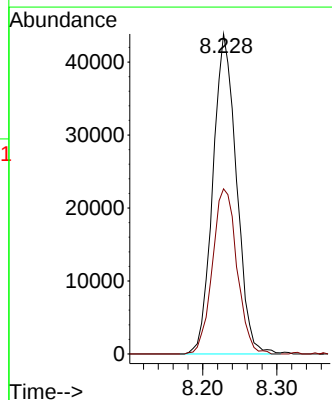
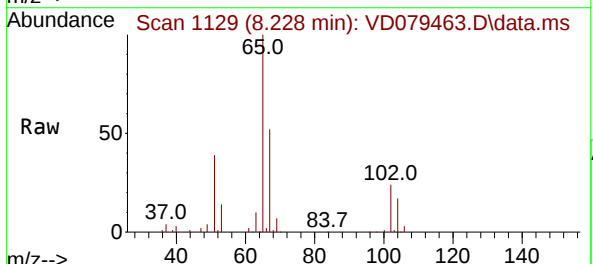
Instrument :
MSVOA_D
ClientSampleId :
OU4-VSL-02-072324

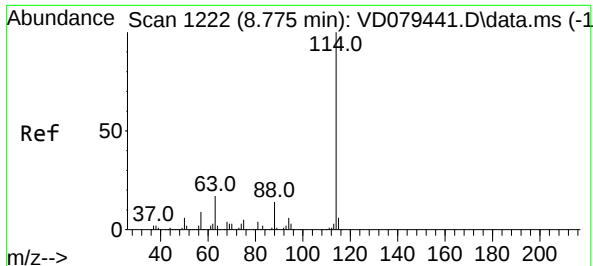
Tgt Ion: 56 Resp: 2862
Ion Ratio Lower Upper
56 100
69 106.7 28.0 42.0#
84 119.4 87.4 131.0



#33
1,2-Dichloroethane-d4
Concen: 64.992 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. -0.000 min
Lab File: VD079463.D
Acq: 30 Jul 2024 17:16

Tgt Ion: 65 Resp: 96931
Ion Ratio Lower Upper
65 100
67 53.7 0.0 111.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 11

Delta R.T. 0.006 min

Lab File: VD079463.D

Acq: 30 Jul 2024 17:16

Instrument :

MSVOA_D

ClientSampleId :

OU4-VSL-02-072324

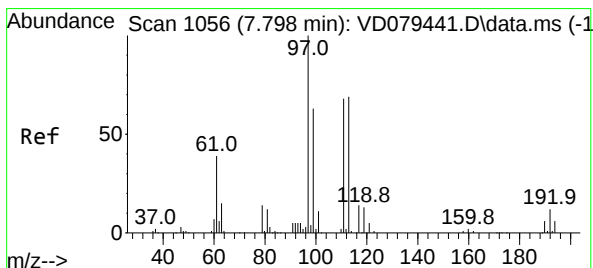
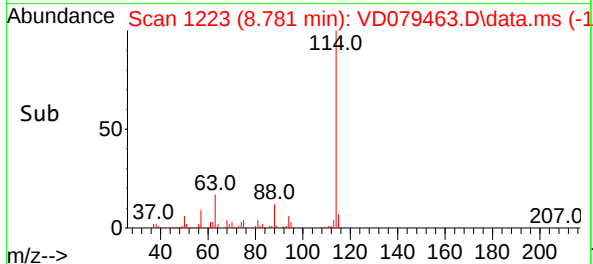
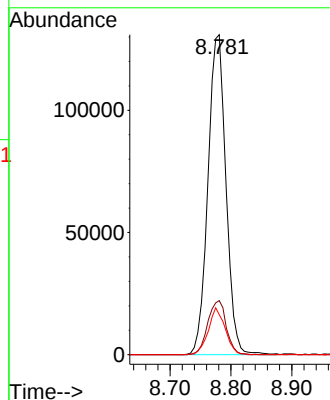
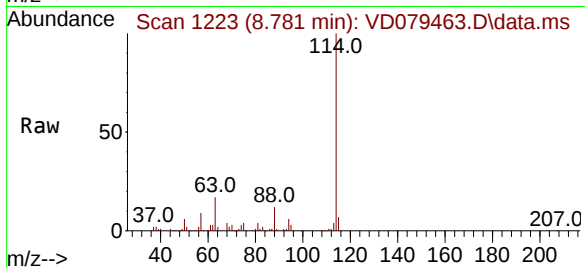
Tgt Ion:114 Resp: 269193

Ion Ratio Lower Upper

114 100

63 16.9 0.0 34.0

88 12.5 0.0 27.2



#35

Dibromofluoromethane

Concen: 61.639 ug/l

RT: 7.804 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VD079463.D

Acq: 30 Jul 2024 17:16

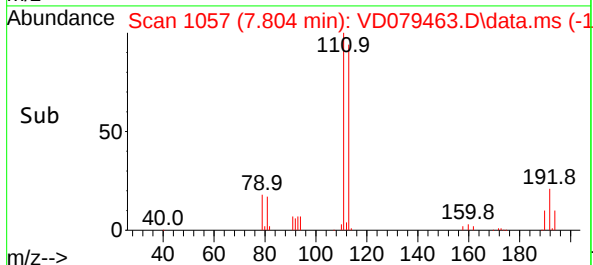
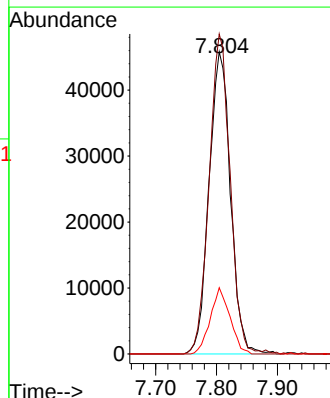
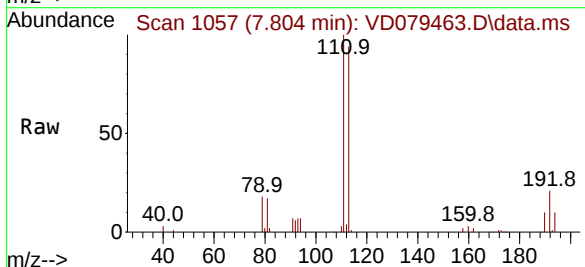
Tgt Ion:113 Resp: 112308

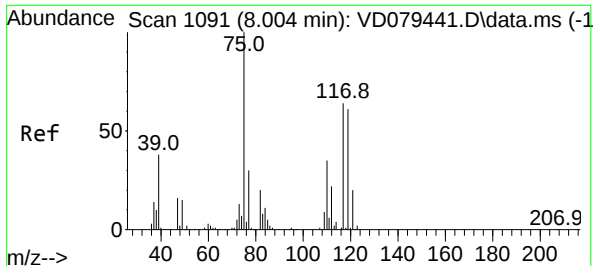
Ion Ratio Lower Upper

113 100

111 103.5 84.0 126.0

192 20.1 15.4 23.0





#36

1,1-Dichloropropene

Concen: 4.164 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.135 min

Lab File: VD079463.D

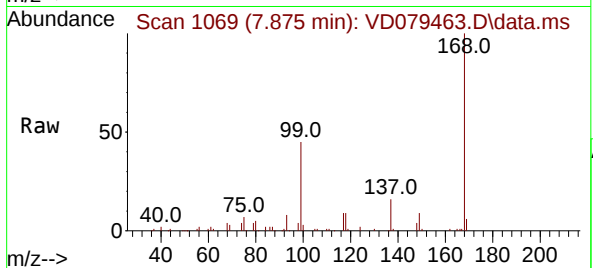
Acq: 30 Jul 2024 17:16

Instrument :

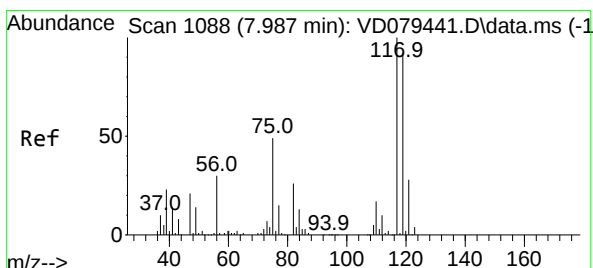
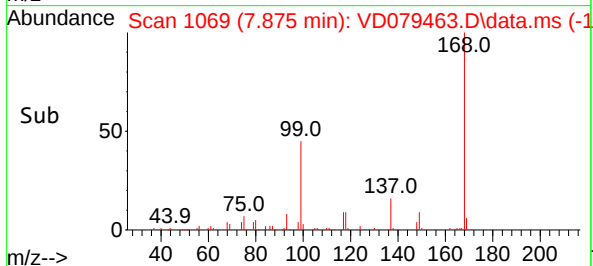
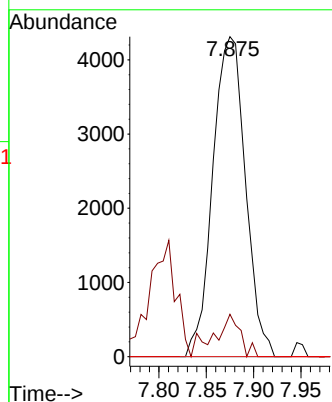
MSVOA_D

ClientSampleId :

OU4-VSL-02-072324



Tgt Ion:	75	Resp:	10355
Ion Ratio	Lower	Upper	
75	100		
110	8.4	19.6	58.7#
77	0.0	26.1	39.1#



#38

Carbon Tetrachloride

Concen: 5.208 ug/l

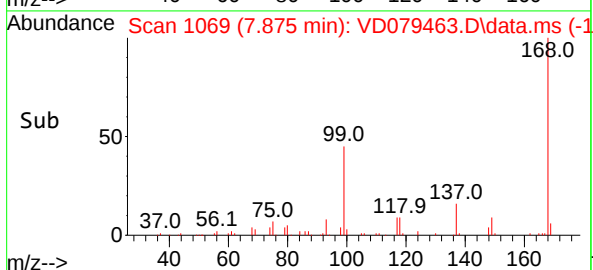
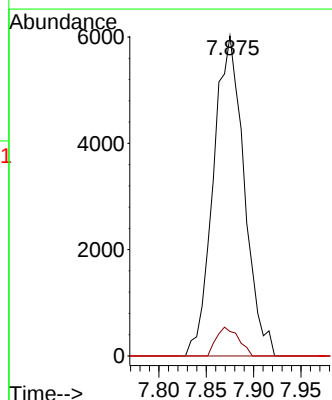
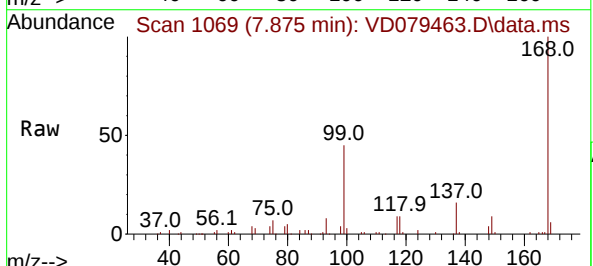
RT: 7.875 min Scan# 1069

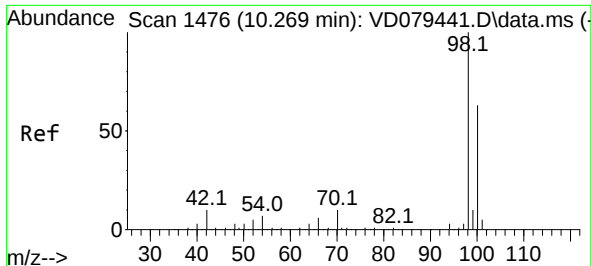
Delta R.T. -0.112 min

Lab File: VD079463.D

Acq: 30 Jul 2024 17:16

Tgt Ion:	117	Resp:	13615
Ion Ratio	Lower	Upper	
117	100		
119	7.6	75.4	113.0#
121	0.0	25.0	37.4#





#50

Toluene-d8

Concen: 56.208 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.006 min

Lab File: VD079463.D

Acq: 30 Jul 2024 17:16

Instrument :

MSVOA_D

ClientSampleId :

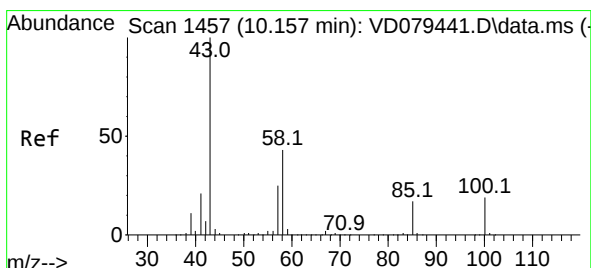
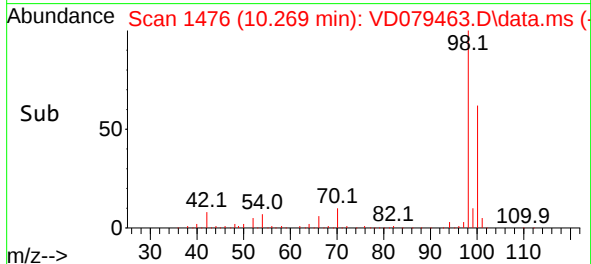
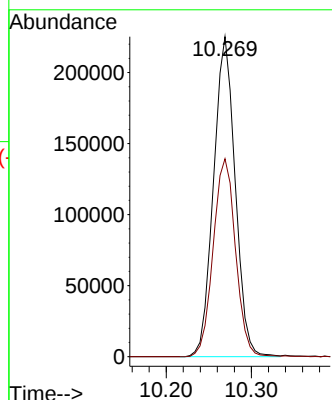
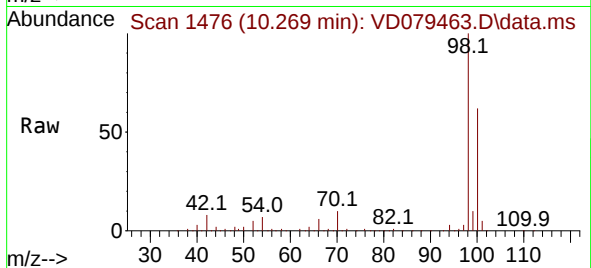
OU4-VSL-02-072324

Tgt Ion: 98 Resp: 397706

Ion Ratio Lower Upper

98 100

100 63.9 51.6 77.4



#51

4-Methyl-2-Pentanone

Concen: 1.284 ug/l

RT: 10.263 min Scan# 1475

Delta R.T. 0.106 min

Lab File: VD079463.D

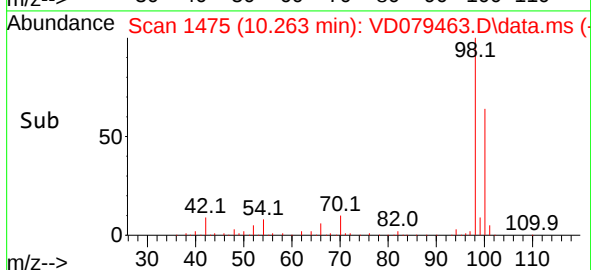
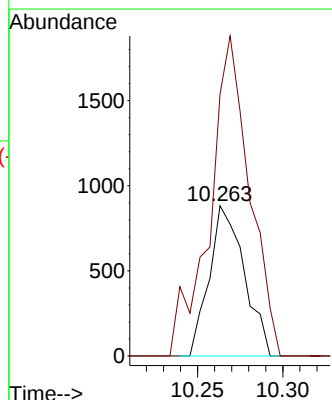
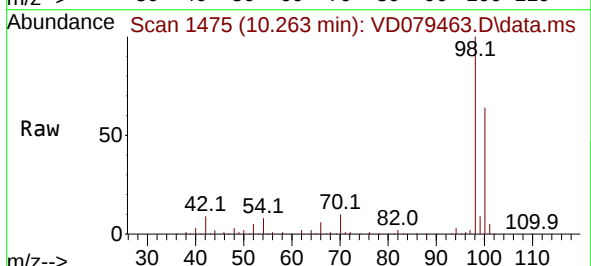
Acq: 30 Jul 2024 17:16

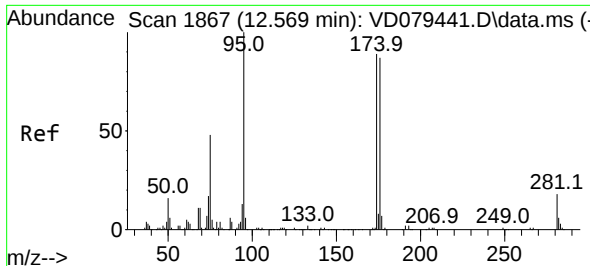
Tgt Ion: 43 Resp: 1256

Ion Ratio Lower Upper

43 100

58 242.8 36.6 55.0#

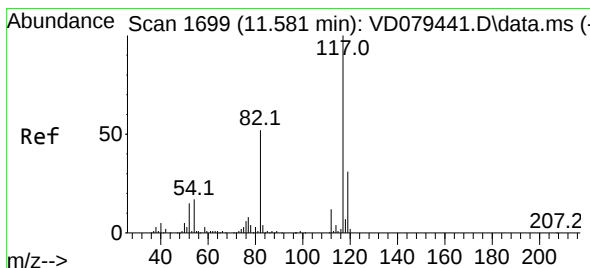
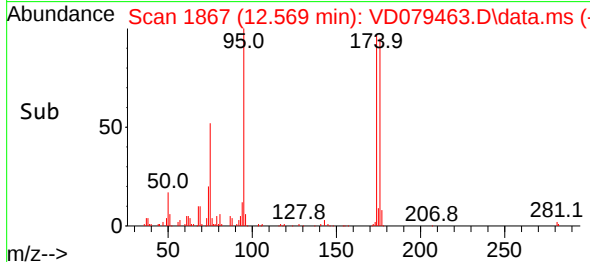
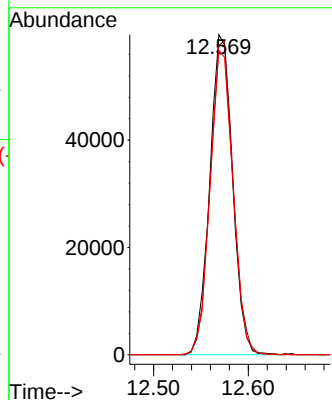
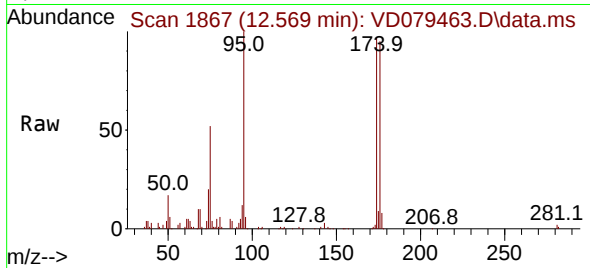




#62
4-Bromofluorobenzene
Concen: 48.650 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.000 min
Lab File: VD079463.D
Acq: 30 Jul 2024 17:16

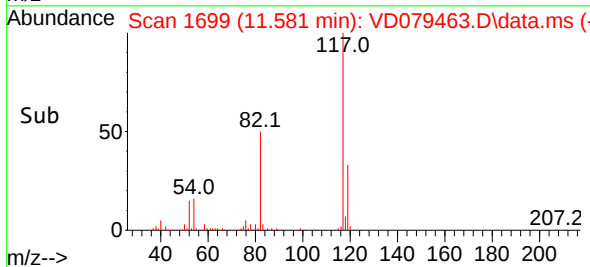
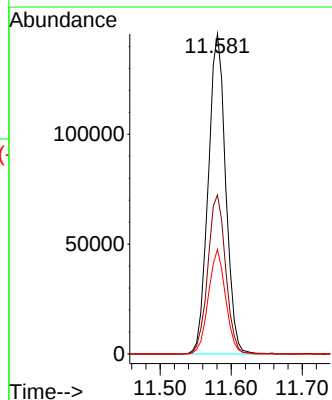
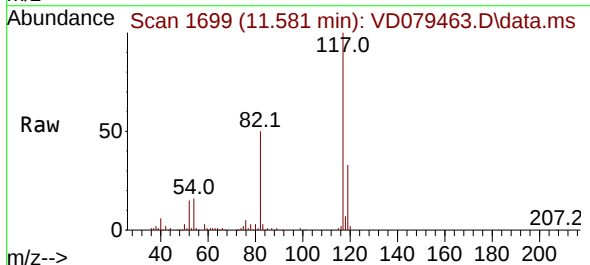
Instrument :
MSVOA_D
ClientSampleId :
OU4-VSL-02-072324

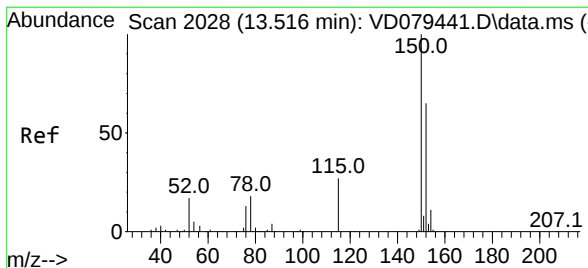
Tgt Ion:	95	Resp:	99613
Ion	Ratio	Lower	Upper
95	100		
174	98.9	0.0	195.4
176	95.7	0.0	192.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD079463.D
Acq: 30 Jul 2024 17:16

Tgt Ion:	117	Resp:	248577
Ion	Ratio	Lower	Upper
117	100		
82	49.7	39.8	59.6
119	32.7	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: VD079463.D

Acq: 30 Jul 2024 17:16

Instrument :

MSVOA_D

ClientSampleId :

OU4-VSL-02-072324

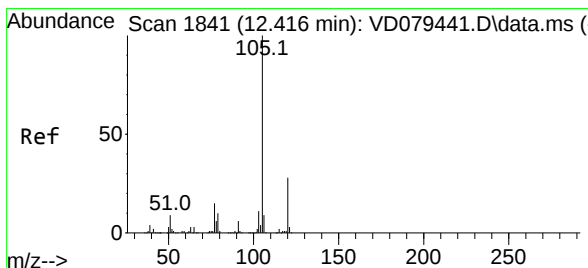
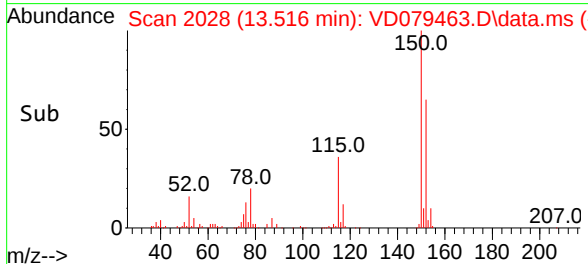
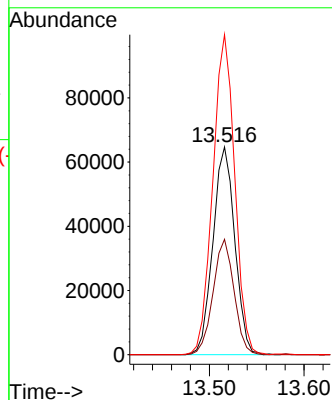
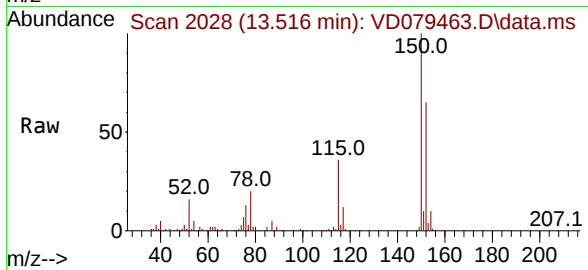
Tgt Ion:152 Resp: 103795

Ion Ratio Lower Upper

152 100

115 53.3 26.5 79.5

150 154.1 0.0 341.6



#73

Isopropylbenzene

Concen: 3.644 ug/l

RT: 12.569 min Scan# 1867

Delta R.T. 0.153 min

Lab File: VD079463.D

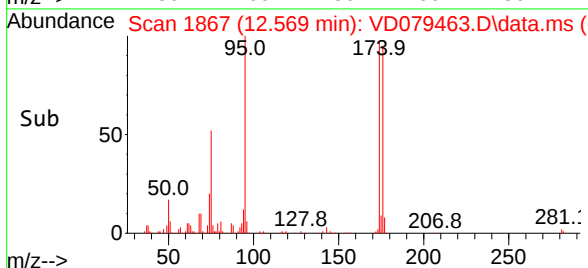
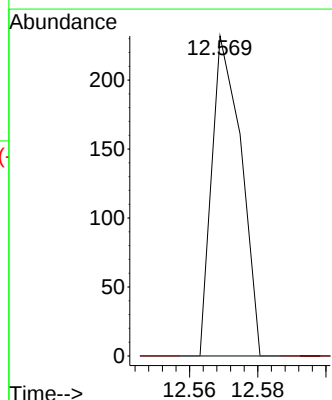
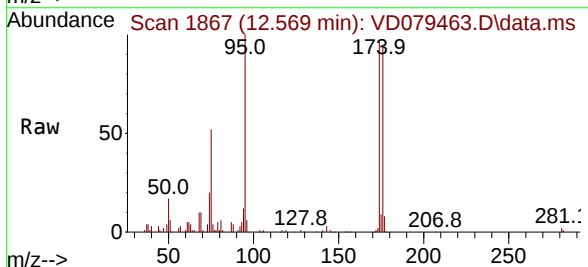
Acq: 30 Jul 2024 17:16

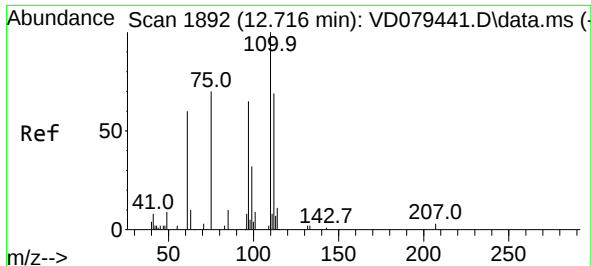
Tgt Ion:105 Resp: 139

Ion Ratio Lower Upper

105 100

120 0.0 13.6 40.7#

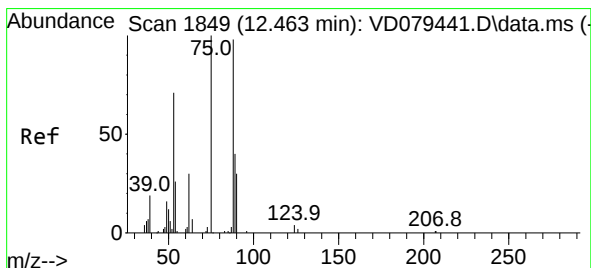
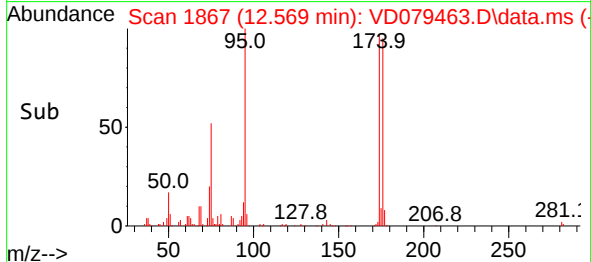
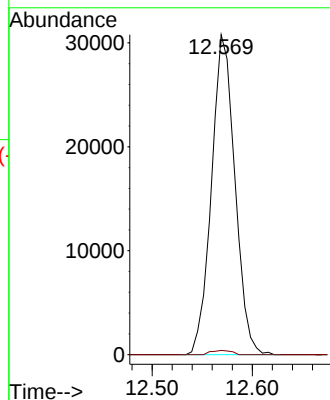
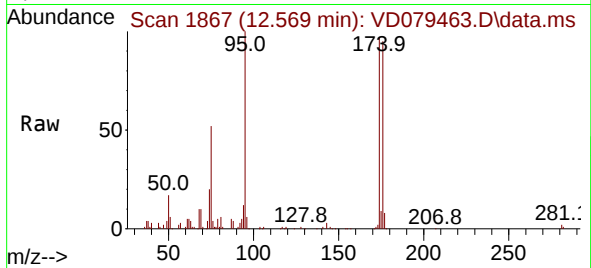




#76
1,2,3-Trichloropropane
Concen: 55.100 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.153 min
Lab File: VD079463.D
Acq: 30 Jul 2024 17:16

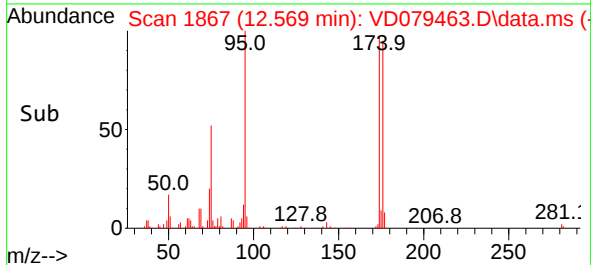
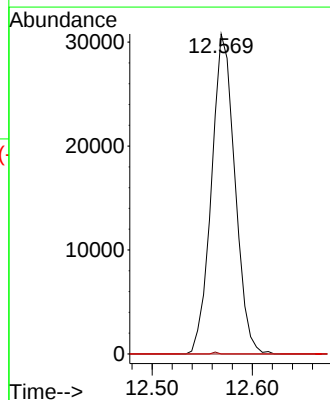
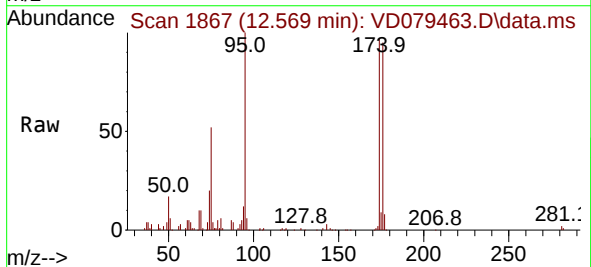
Instrument :
MSVOA_D
ClientSampleId :
OU4-VSL-02-072324

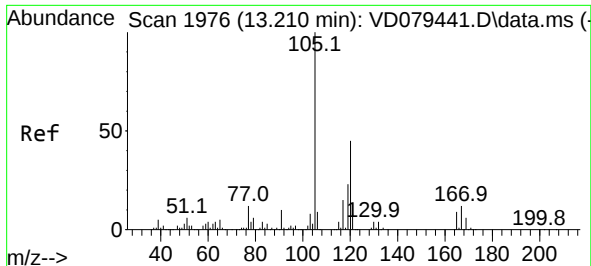
Tgt Ion: 75 Resp: 49991
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 105.091 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. 0.100 min
Lab File: VD079463.D
Acq: 30 Jul 2024 17:16

Tgt Ion: 75 Resp: 49991
Ion Ratio Lower Upper
75 100
53 0.1 61.4 92.2#
89 0.0 35.4 53.0#

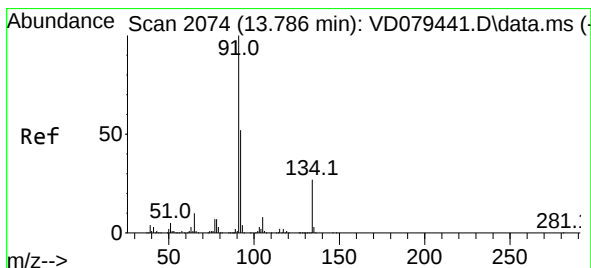
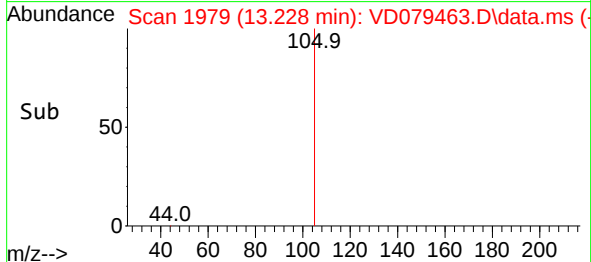
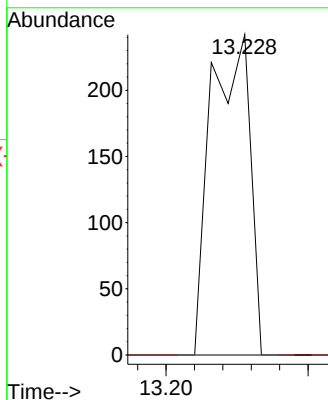
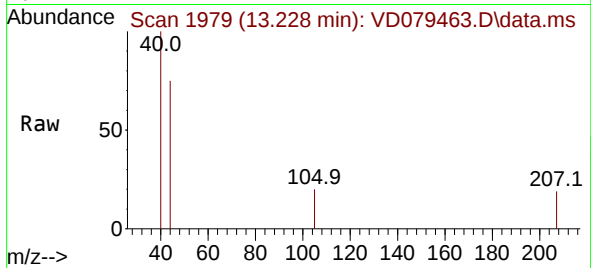




#84
1,2,4-Trimethylbenzene
Concen: 3.462 ug/l
RT: 13.228 min Scan# 1976
Delta R.T. 0.024 min
Lab File: VD079463.D
Acq: 30 Jul 2024 17:16

Instrument :
MSVOA_D
ClientSampleId :
OU4-VSL-02-072324

Tgt Ion:105 Resp: 231
Ion Ratio Lower Upper
105 100
120 0.0 23.6 71.0#



#89
n-Butylbenzene
Concen: 3.812 ug/l
RT: 13.504 min Scan# 2026
Delta R.T. -0.277 min
Lab File: VD079463.D
Acq: 30 Jul 2024 17:16

Tgt Ion: 91 Resp: 215
Ion Ratio Lower Upper
91 100
92 0.0 25.7 77.0#
134 0.0 13.6 40.8#

