

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD073124\
 Data File : VD079496.D
 Acq On : 31 Jul 2024 15:01
 Operator : RP/MD
 Sample : P3379-01
 Misc : 6.42G/5.0ml/MSVOA_D/SOIL/B
 ALS Vial : 12 Sample Multiplier: 1

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

Quant Time: Aug 01 01:51:37 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)

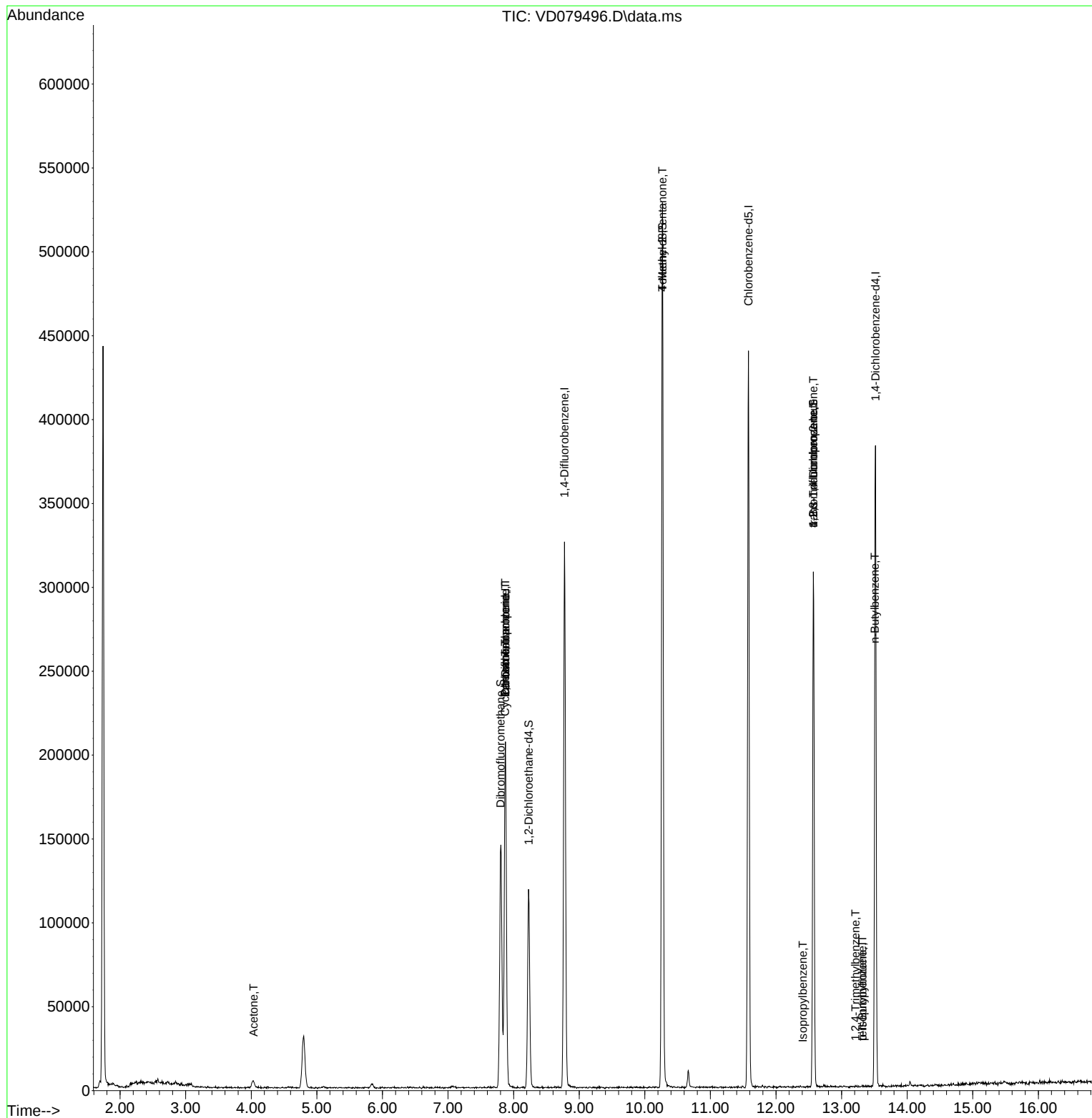
Internal Standards						
1) Pentafluorobenzene	7.875	168	167018	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	297167	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	268616	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	110638	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	91471	53.910	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 107.820%	
35) Dibromofluoromethane	7.799	113	105570	52.487	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 104.980%	
50) Toluene-d8	10.269	98	379464	48.582	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 97.160%	
62) 4-Bromofluorobenzene	12.569	95	93429	41.335	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 82.660%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.687	94	297	Below Cal		91
11) Tert butyl alcohol	4.987	59	62	Below Cal	#	86
16) Acetone	4.034	43	7905	23.973	ug/l #	85
20) Methylene Chloride	4.793	84	25277	Below Cal		96
31) Cyclohexane	7.869	56	3352	1.190	ug/l #	44
36) 1,1-Dichloropropene	7.875	75	11848	4.316	ug/l #	47
38) Carbon Tetrachloride	7.875	117	15303	5.303	ug/l #	21
51) 4-Methyl-2-Pentanone	10.269	43	1183	1.095	ug/l #	1
73) Isopropylbenzene	12.410	105	59	3.634	ug/l #	48
76) 1,2,3-Trichloropropane	12.569	75	46778	48.370	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.569	75	46778	92.255	ug/l #	19
83) tert-Butylbenzene	13.316	119	55	3.636	ug/l #	31
84) 1,2,4-Trimethylbenzene	13.210	105	153	3.449	ug/l #	29
86) p-Isopropyltoluene	13.316	119	55	3.893	ug/l #	51
89) n-Butylbenzene	13.504	91	72	3.791	ug/l #	34

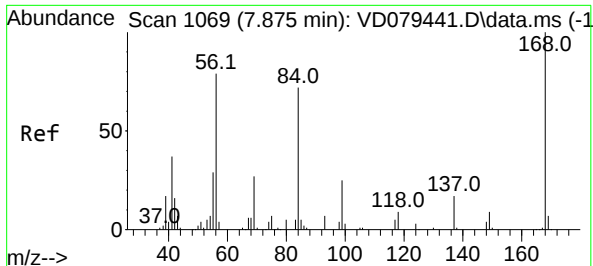
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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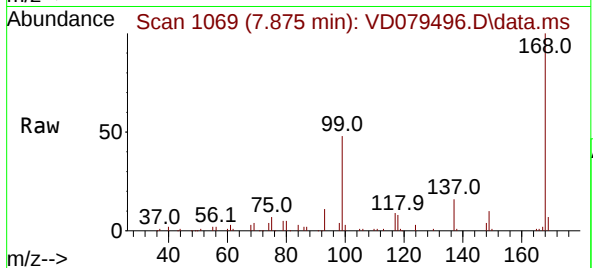
Quant Time: Aug 01 01:51:37 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D072924S.M
Quant Title : SW846 8260
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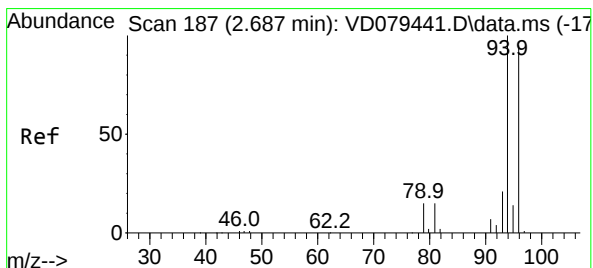
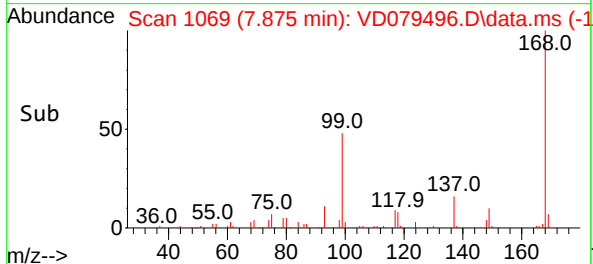
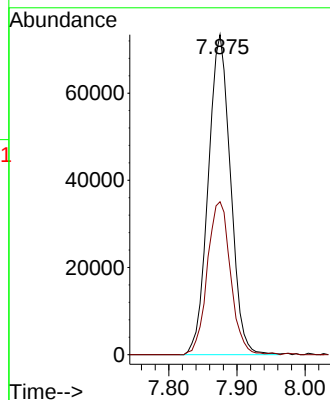


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD079496.D
Acq: 31 Jul 2024 15:01

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

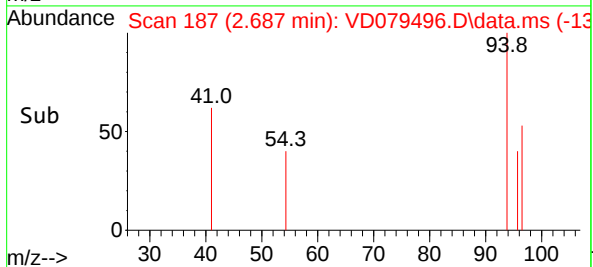
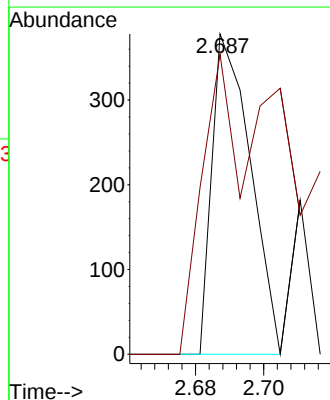
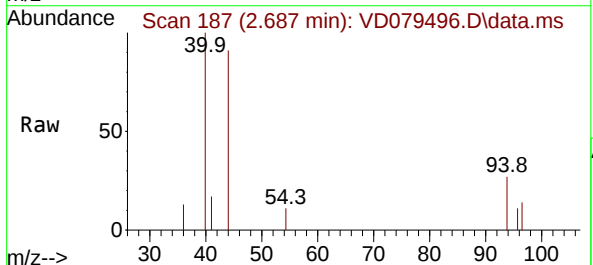


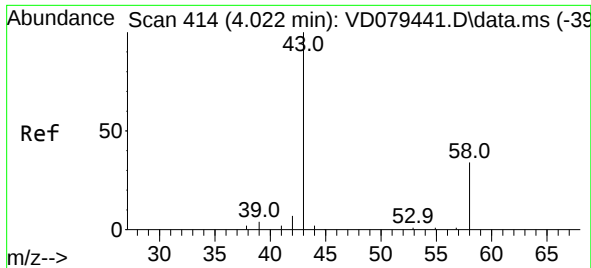
Tgt Ion:168 Resp: 167018
Ion Ratio Lower Upper
168 100
99 47.8 41.1 61.7



#5
Bromomethane
Concen: Below Cal
RT: 2.687 min Scan# 187
Delta R.T. 0.000 min
Lab File: VD079496.D
Acq: 31 Jul 2024 15:01

Tgt Ion: 94 Resp: 297
Ion Ratio Lower Upper
94 100
96 87.2 76.9 115.3





#16

Acetone

Concen: 23.973 ug/l

RT: 4.034 min Scan# 41

Delta R.T. 0.012 min

Lab File: VD079496.D

Acq: 31 Jul 2024 15:01

Instrument :

MSVOA_D

ClientSampleId :

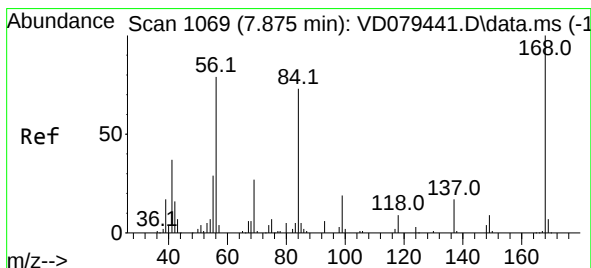
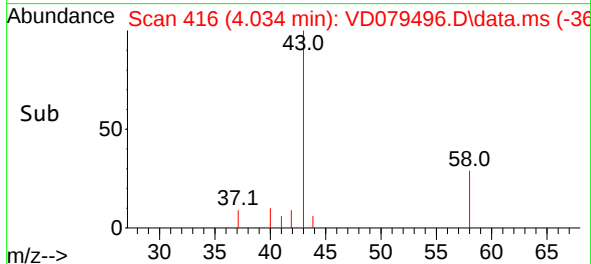
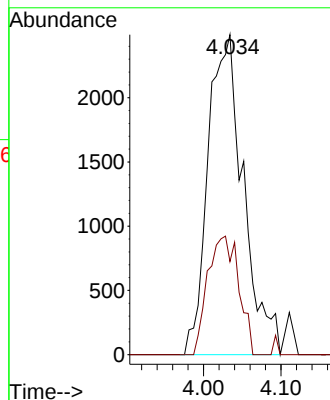
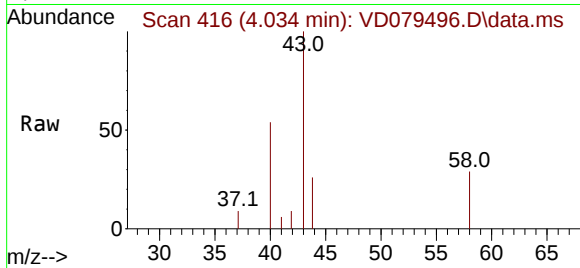
OU4-PCS-01-072324

Tgt Ion: 43 Resp: 7905

Ion Ratio Lower Upper

43 100

58 29.1 30.4 45.6#



#31

Cyclohexane

Concen: 1.190 ug/l

RT: 7.869 min Scan# 1068

Delta R.T. -0.012 min

Lab File: VD079496.D

Acq: 31 Jul 2024 15:01

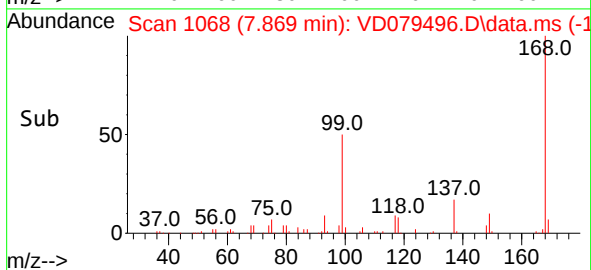
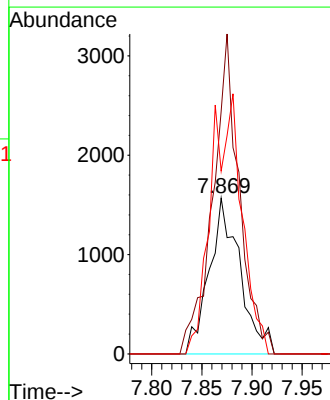
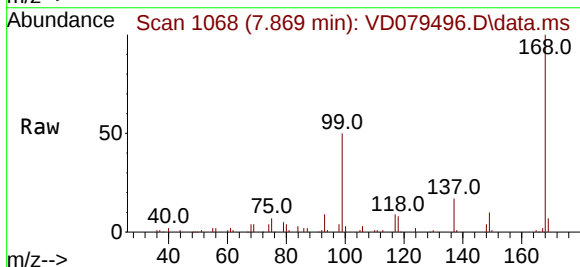
Tgt Ion: 56 Resp: 3352

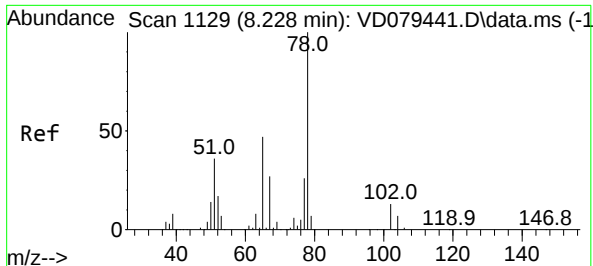
Ion Ratio Lower Upper

56 100

69 155.7 28.0 42.0#

84 117.3 87.4 131.0





#33

1,2-Dichloroethane-d4

Concen: 53.910 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.000 min

Lab File: VD079496.D

Acq: 31 Jul 2024 15:01

Instrument :

MSVOA_D

ClientSampleId :

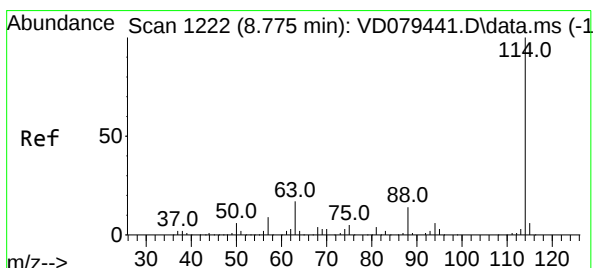
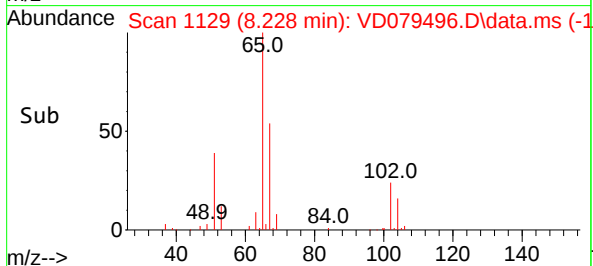
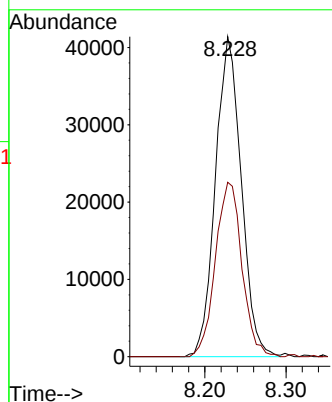
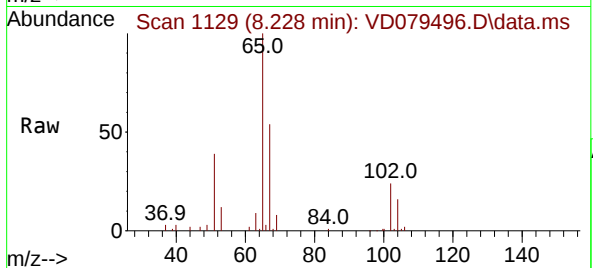
OU4-PCS-01-072324

Tgt Ion: 65 Resp: 91471

Ion Ratio Lower Upper

65 100

67 56.0 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: VD079496.D

Acq: 31 Jul 2024 15:01

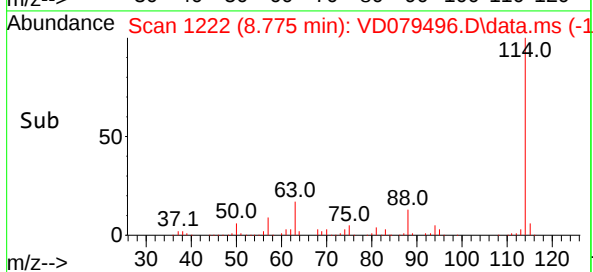
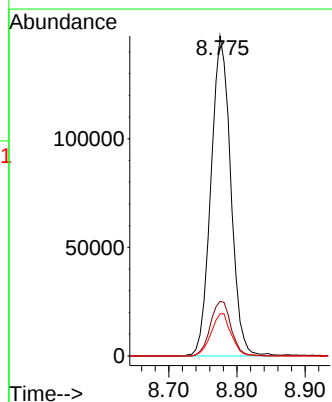
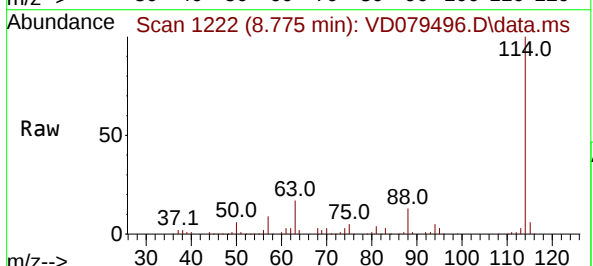
Tgt Ion: 114 Resp: 297167

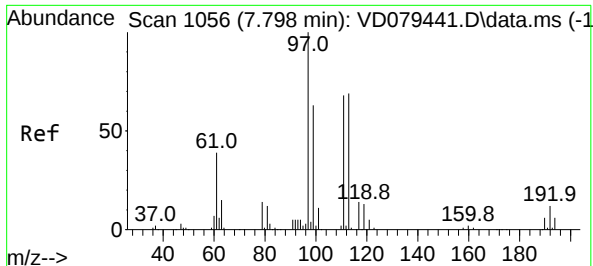
Ion Ratio Lower Upper

114 100

63 17.1 0.0 34.0

88 13.1 0.0 27.2





#35

Dibromofluoromethane

Concen: 52.487 ug/l

RT: 7.799 min Scan# 1056

Delta R.T. -0.006 min

Lab File: VD079496.D

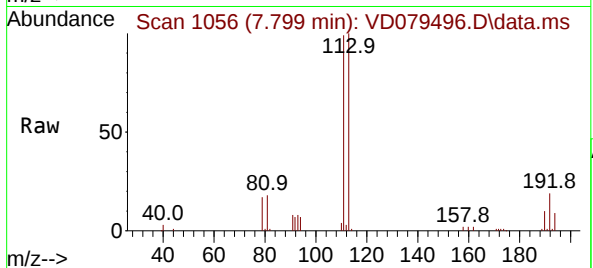
Acq: 31 Jul 2024 15:01

Instrument :

MSVOA_D

ClientSampleId :

OU4-PCS-01-072324



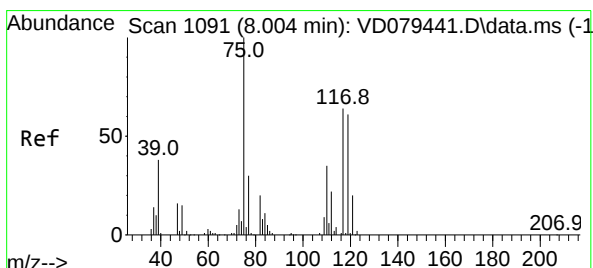
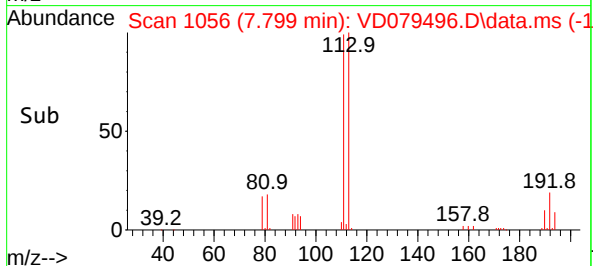
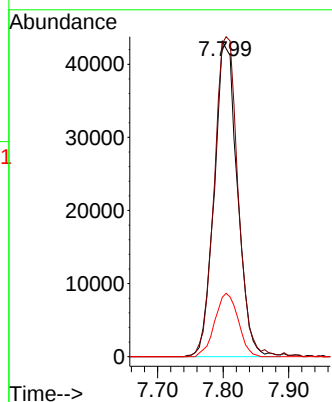
Tgt Ion:113 Resp: 105570

Ion Ratio Lower Upper

113 100

111 103.9 84.0 126.0

192 20.3 15.4 23.0



#36

1,1-Dichloropropene

Concen: 4.316 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.135 min

Lab File: VD079496.D

Acq: 31 Jul 2024 15:01

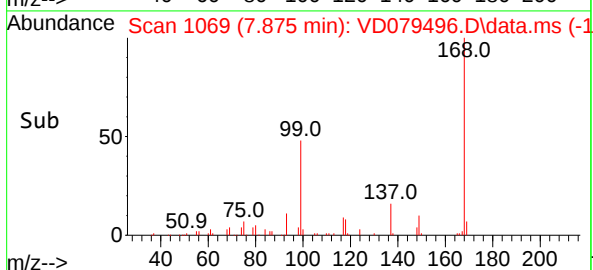
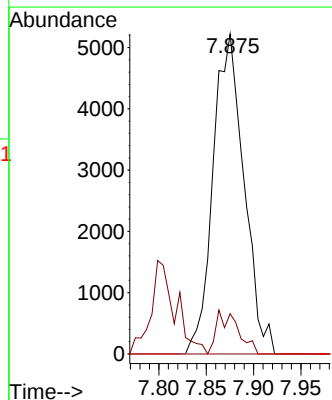
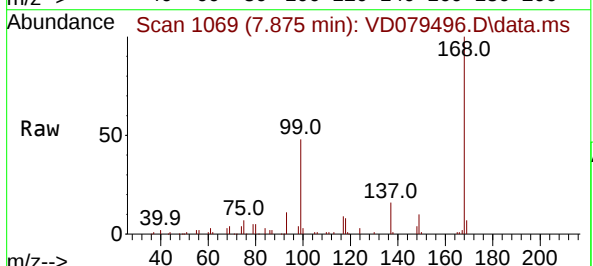
Tgt Ion: 75 Resp: 11848

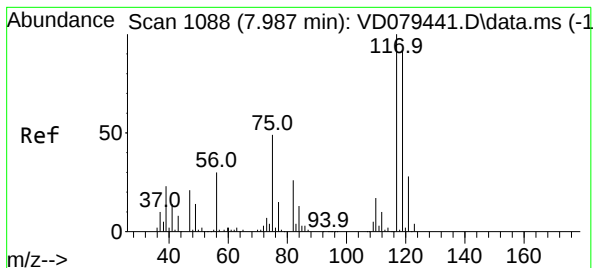
Ion Ratio Lower Upper

75 100

110 9.4 19.6 58.7#

77 0.0 26.1 39.1#





#38

Carbon Tetrachloride

Concen: 5.303 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.112 min

Lab File: VD079496.D

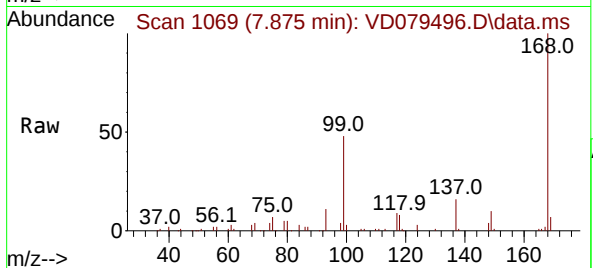
Acq: 31 Jul 2024 15:01

Instrument :

MSVOA_D

ClientSampleId :

OU4-PCS-01-072324



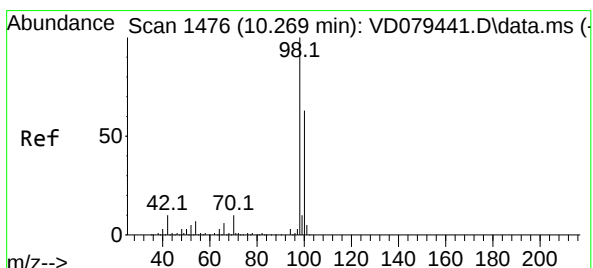
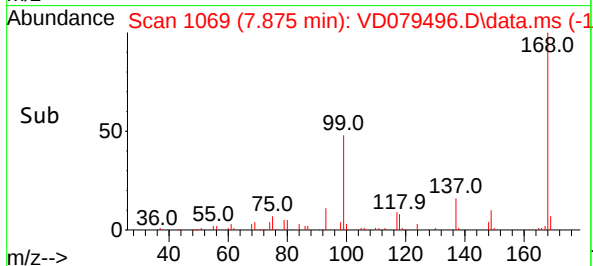
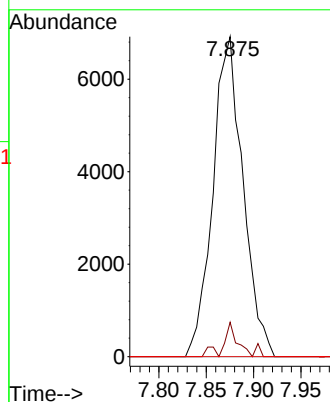
Tgt Ion:117 Resp: 15303

Ion Ratio Lower Upper

117 100

119 10.8 75.4 113.0#

121 0.0 25.0 37.4#



#50

Toluene-d8

Concen: 48.582 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.006 min

Lab File: VD079496.D

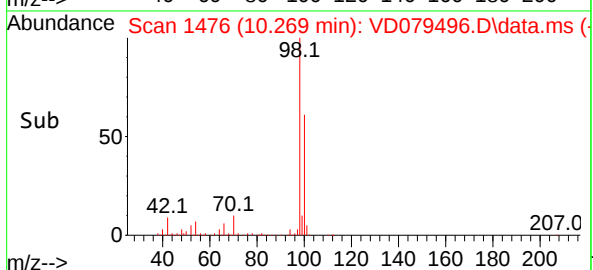
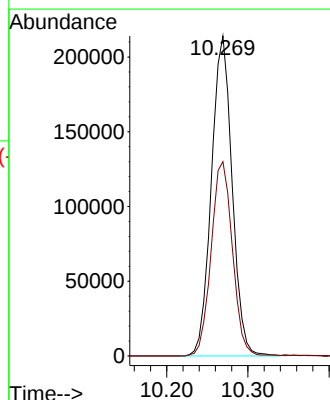
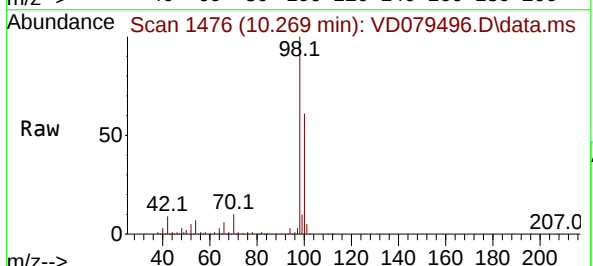
Acq: 31 Jul 2024 15:01

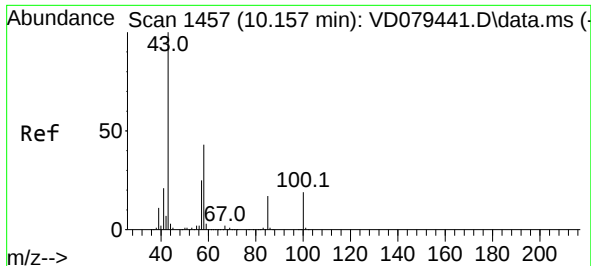
Tgt Ion: 98 Resp: 379464

Ion Ratio Lower Upper

98 100

100 62.3 51.6 77.4

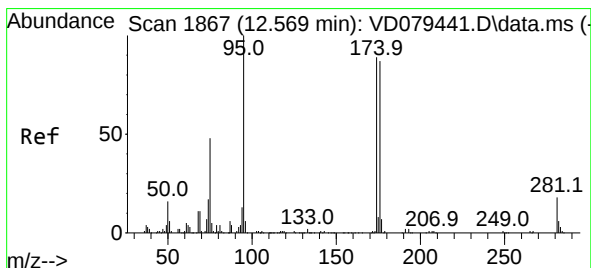
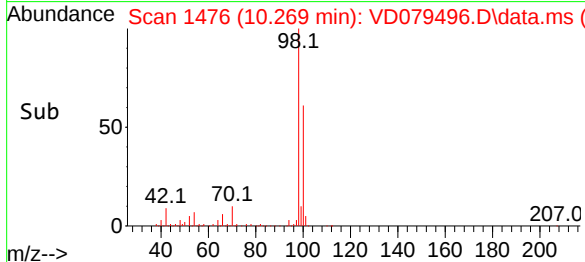
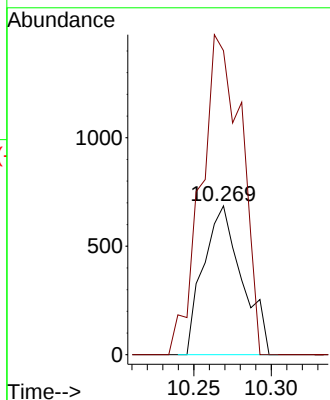
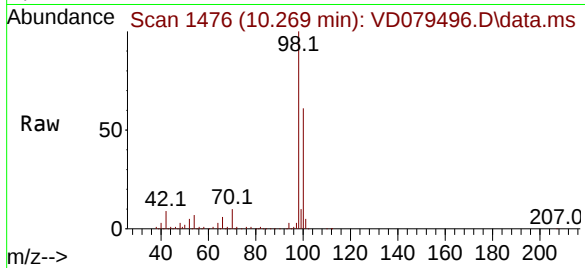




#51
4-Methyl-2-Pentanone
Concen: 1.095 ug/l
RT: 10.269 min Scan# 1457
Delta R.T. 0.112 min
Lab File: VD079496.D
Acq: 31 Jul 2024 15:01

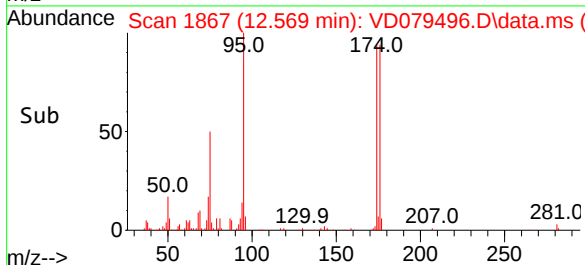
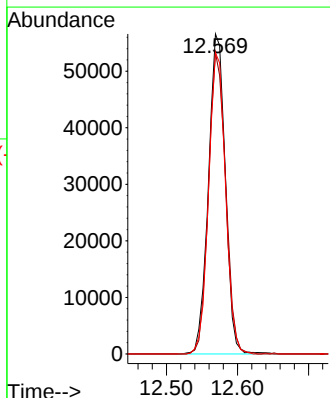
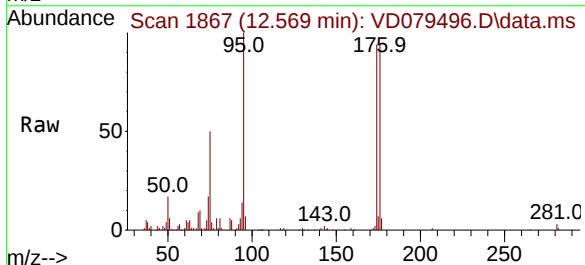
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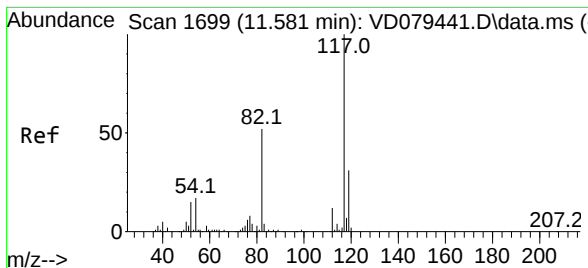
Tgt Ion: 43 Resp: 1183
Ion Ratio Lower Upper
43 100
58 225.9 36.6 55.0#



#62
4-Bromofluorobenzene
Concen: 41.335 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.000 min
Lab File: VD079496.D
Acq: 31 Jul 2024 15:01

Tgt Ion: 95 Resp: 93429
Ion Ratio Lower Upper
95 100
174 95.5 0.0 195.4
176 94.1 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: VD079496.D

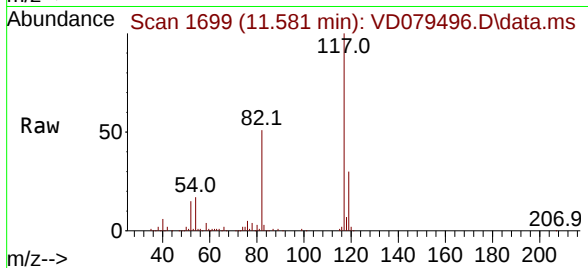
Acq: 31 Jul 2024 15:01

Instrument :

MSVOA_D

ClientSampleId :

OU4-PCS-01-072324



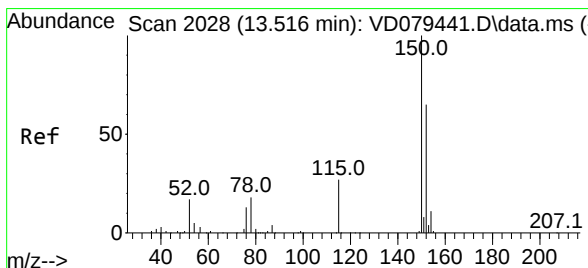
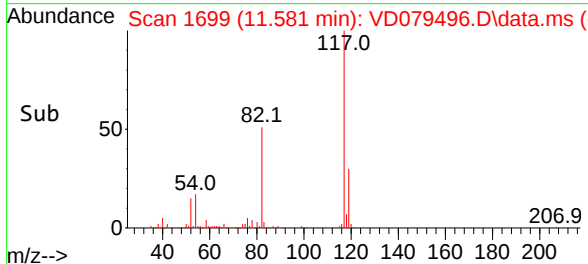
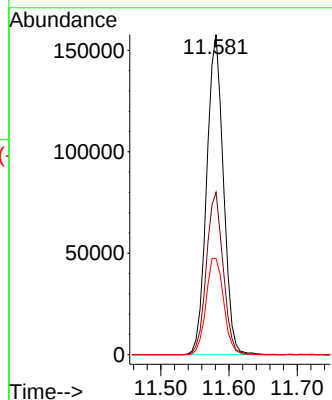
Tgt Ion:117 Resp: 268616

Ion Ratio Lower Upper

117 100

82 50.8 39.8 59.6

119 30.1 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: VD079496.D

Acq: 31 Jul 2024 15:01

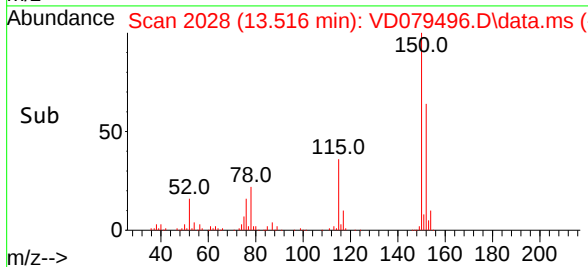
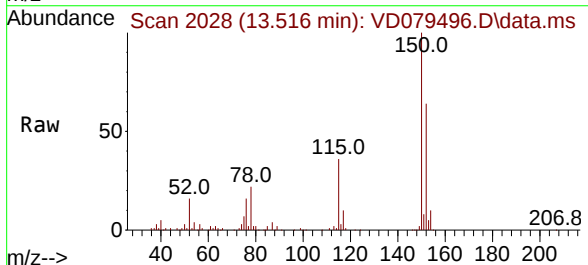
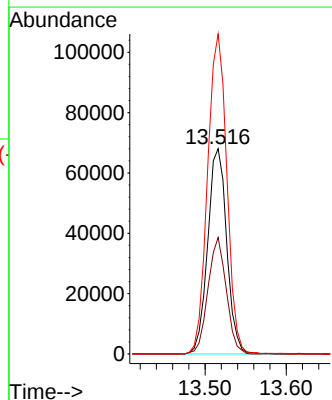
Tgt Ion:152 Resp: 110638

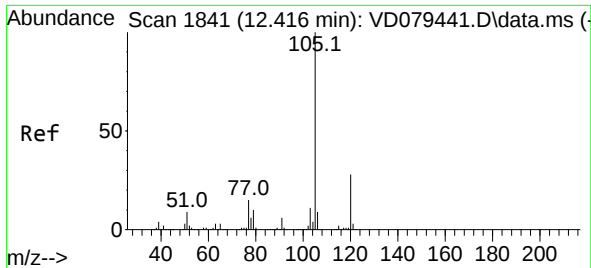
Ion Ratio Lower Upper

152 100

115 54.5 26.5 79.5

150 157.5 0.0 341.6

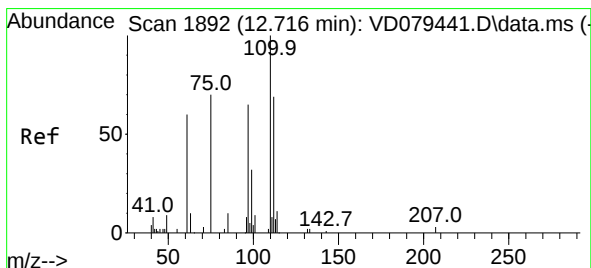
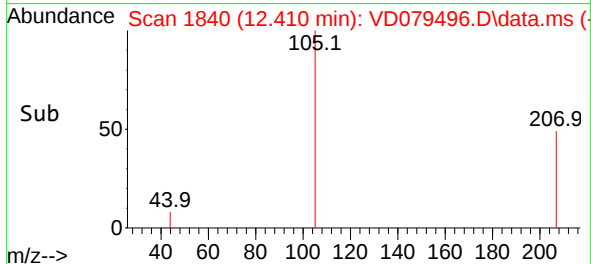
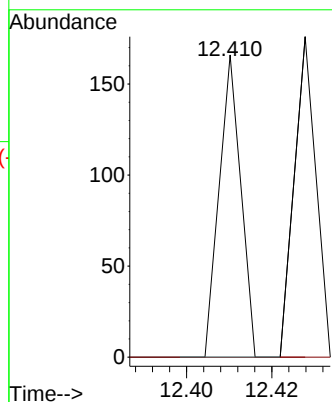
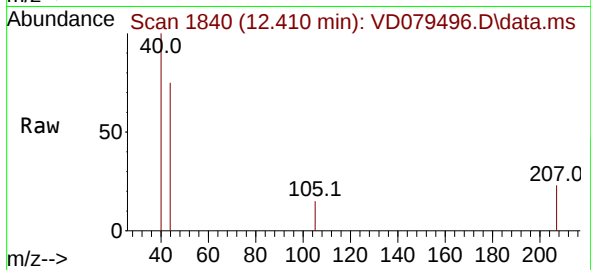




#73
Isopropylbenzene
Concen: 3.634 ug/l
RT: 12.410 min Scan# 1840
Delta R.T. -0.006 min
Lab File: VD079496.D
Acq: 31 Jul 2024 15:01

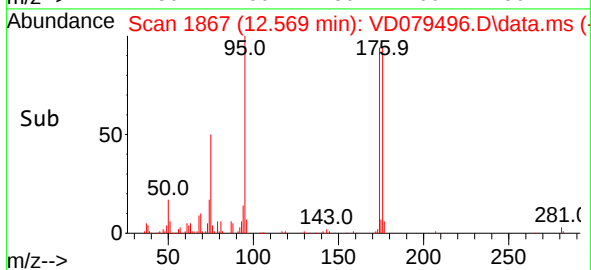
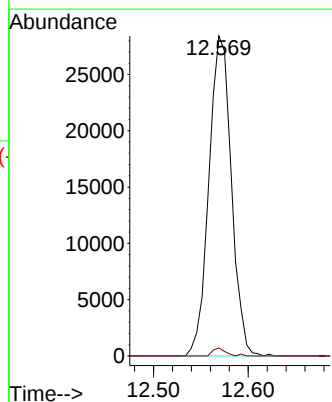
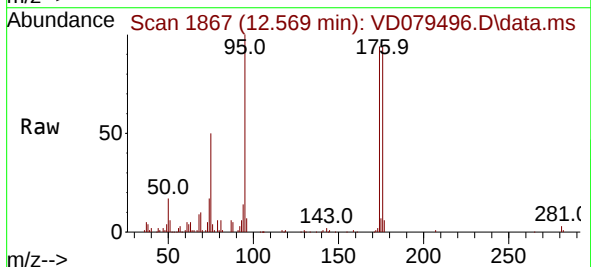
Instrument :
MSVOA_D
ClientSampleId :
OU4-PCS-01-072324

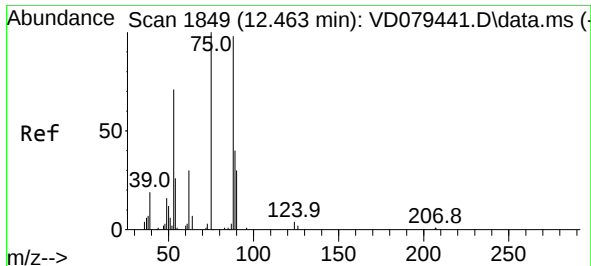
Tgt Ion:105 Resp: 59
Ion Ratio Lower Upper
105 100
120 0.0 13.6 40.7#



#76
1,2,3-Trichloropropane
Concen: 48.370 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.153 min
Lab File: VD079496.D
Acq: 31 Jul 2024 15:01

Tgt Ion: 75 Resp: 46778
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#

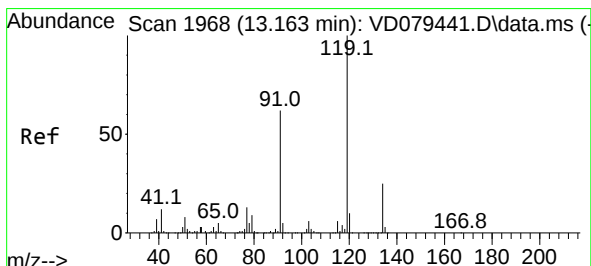
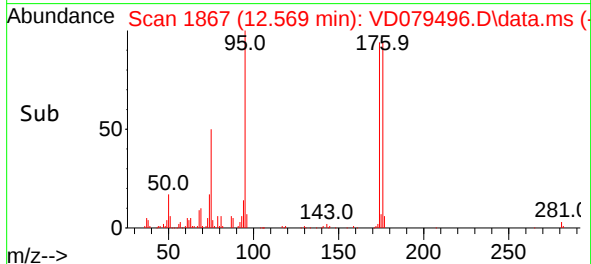
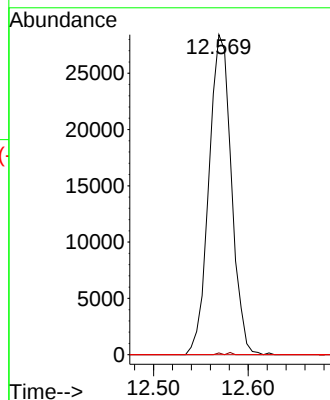
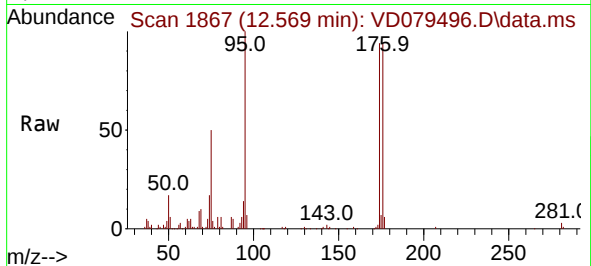




#81
trans-1,4-Dichloro-2-butene
Concen: 92.255 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. 0.100 min
Lab File: VD079496.D
Acq: 31 Jul 2024 15:01

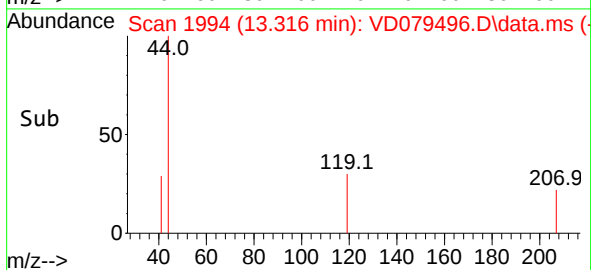
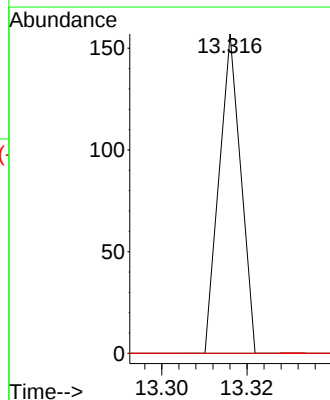
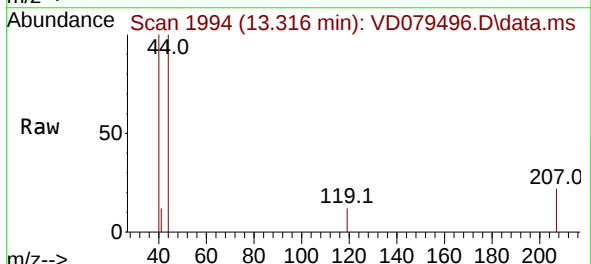
Instrument :
MSVOA_D
ClientSampleId :
OU4-PCS-01-072324

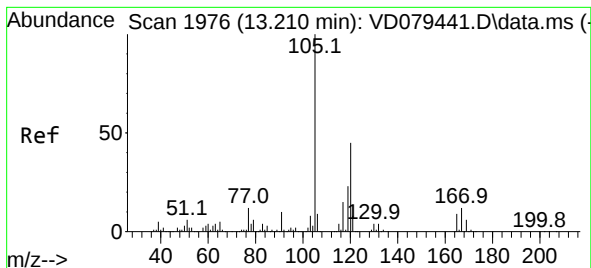
Tgt Ion:	75	Resp:	46778
Ion	Ratio	Lower	Upper
75	100		
53	0.1	61.4	92.2#
89	0.0	35.4	53.0#



#83
tert-Butylbenzene
Concen: 3.636 ug/l
RT: 13.316 min Scan# 1994
Delta R.T. 0.153 min
Lab File: VD079496.D
Acq: 31 Jul 2024 15:01

Tgt Ion:	119	Resp:	55
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: 3.449 ug/l

RT: 13.210 min Scan# 1976

Delta R.T. 0.006 min

Lab File: VD079496.D

Acq: 31 Jul 2024 15:01

Instrument :

MSVOA_D

ClientSampleId :

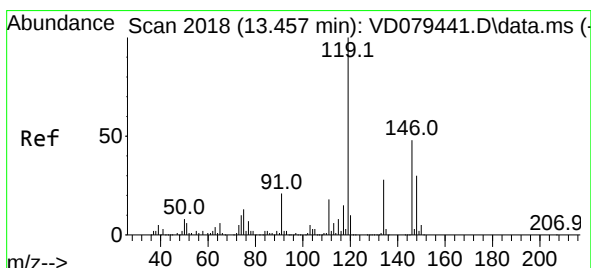
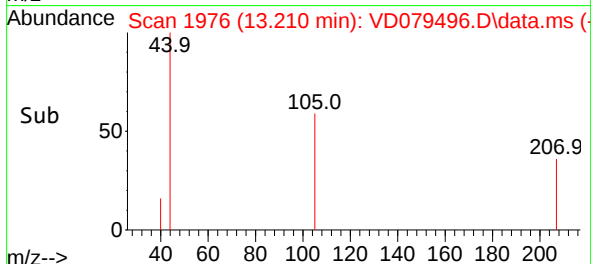
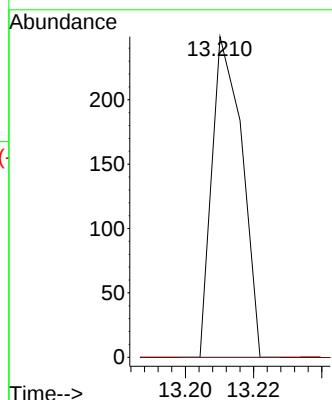
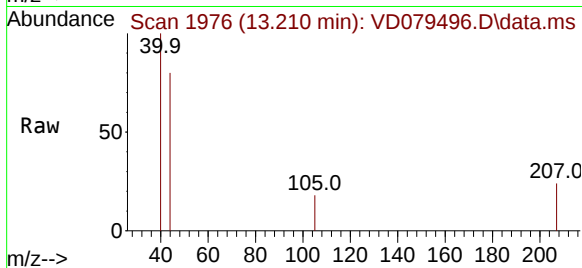
OU4-PCS-01-072324

Tgt Ion:105 Resp: 153

Ion Ratio Lower Upper

105 100

120 0.0 23.6 71.0#



#86

p-Isopropyltoluene

Concen: 3.893 ug/l

RT: 13.316 min Scan# 1994

Delta R.T. -0.141 min

Lab File: VD079496.D

Acq: 31 Jul 2024 15:01

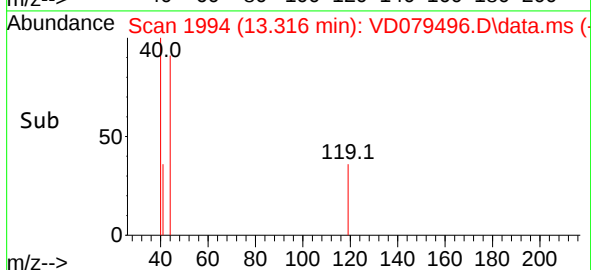
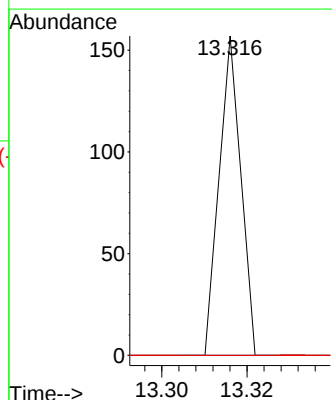
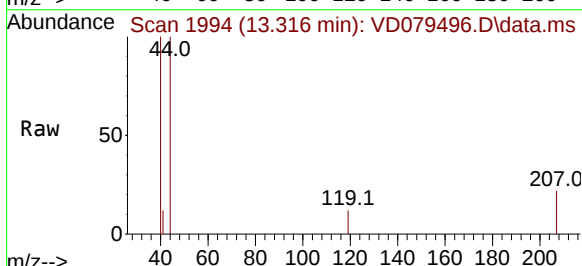
Tgt Ion:119 Resp: 55

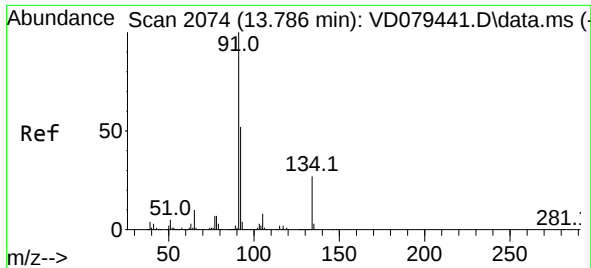
Ion Ratio Lower Upper

119 100

134 0.0 13.7 41.1#

91 0.0 10.7 32.1#





#89

n-Butylbenzene

Concen: 3.791 ug/l

RT: 13.504 min Scan# 20

Delta R.T. -0.277 min

Lab File: VD079496.D

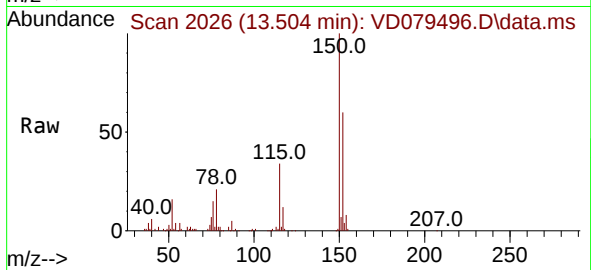
Acq: 31 Jul 2024 15:01

Instrument :

MSVOA_D

ClientSampleId :

OU4-PCS-01-072324



Tgt Ion:	91	Resp:	72
Ion	Ratio	Lower	Upper
91	100		
92	0.0	25.7	77.0#
134	0.0	13.6	40.8#

