

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD073024\
 Data File : VD079459.D
 Acq On : 30 Jul 2024 15:25
 Operator : RP/MD
 Sample : P3379-07
 Misc : 6.65G/5.0ml/MSVOA_D/SOIL/A
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 OU4-PCS-04-072324

Quant Time: Jul 31 01:53:43 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)

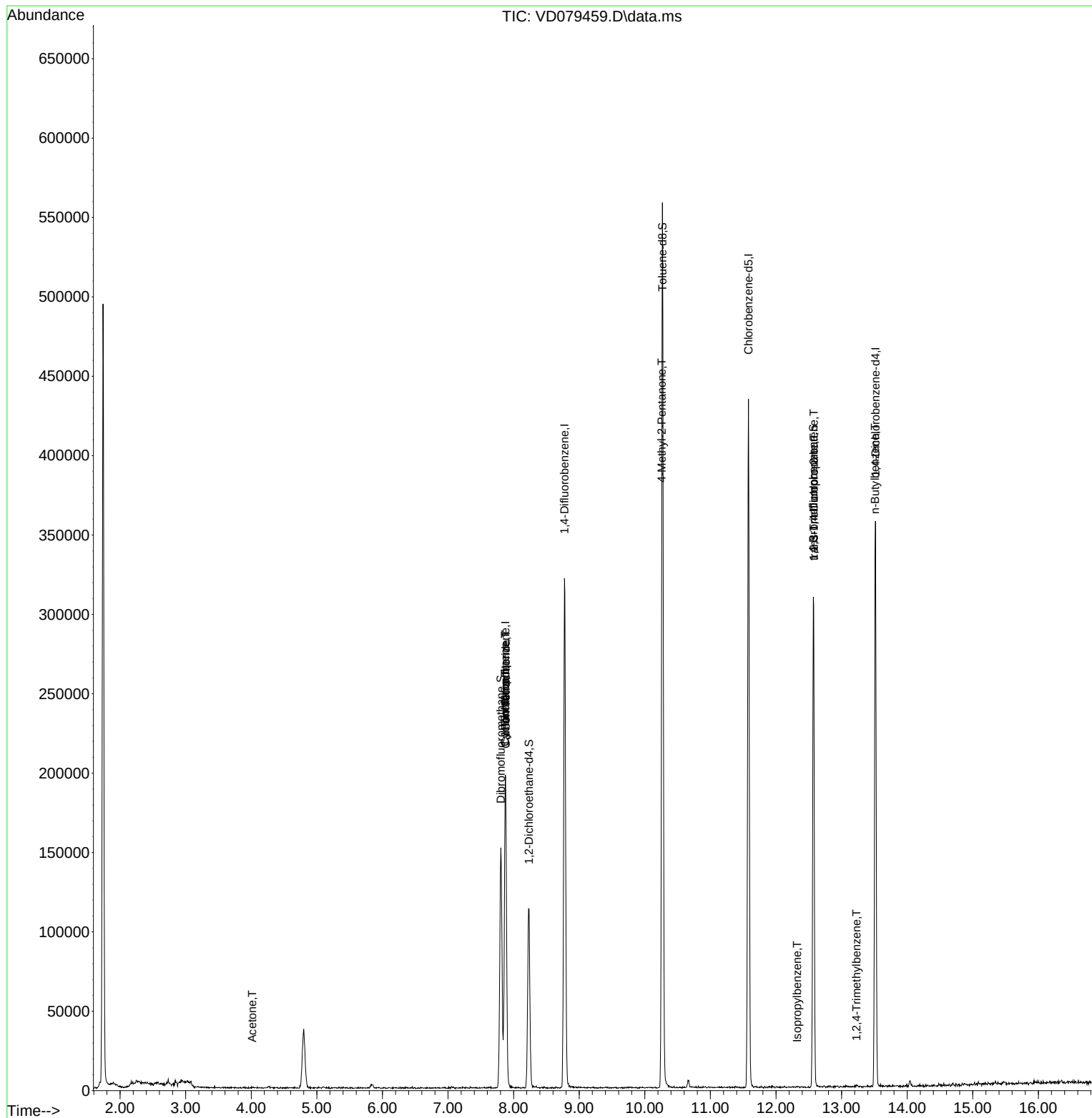
Internal Standards						
1) Pentafluorobenzene	7.875	168	162286	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	295359	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	264451	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	104185	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	90765	55.053	ug/l	0.00
Spiked Amount	50.000	Range 50 - 163	Recovery	=	110.100%	
35) Dibromofluoromethane	7.805	113	108966	54.507	ug/l	0.00
Spiked Amount	50.000	Range 54 - 147	Recovery	=	109.020%	
50) Toluene-d8	10.269	98	394416	50.805	ug/l	0.00
Spiked Amount	50.000	Range 58 - 134	Recovery	=	101.600%	
62) 4-Bromofluorobenzene	12.569	95	94341	41.994	ug/l	0.00
Spiked Amount	50.000	Range 30 - 143	Recovery	=	83.980%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.687	94	76	Below Cal	#	1
11) Tert butyl alcohol	5.081	59	66	Below Cal	#	86
16) Acetone	4.017	43	418	1.305	ug/l #	37
20) Methylene Chloride	4.799	84	28926	Below Cal		91
31) Cyclohexane	7.869	56	3352	1.224	ug/l #	1
36) 1,1-Dichloropropene	7.869	75	11542	4.230	ug/l #	49
38) Carbon Tetrachloride	7.881	117	14934	5.206	ug/l #	15
51) 4-Methyl-2-Pentanone	10.257	43	1196	1.114	ug/l #	1
73) Isopropylbenzene	12.322	105	58	3.635	ug/l #	48
76) 1,2,3-Trichloropropane	12.575	75	47155	51.780	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	47155	98.758	ug/l #	19
84) 1,2,4-Trimethylbenzene	13.228	105	752	3.536	ug/l #	29
89) n-Butylbenzene	13.510	91	281	3.821	ug/l #	34

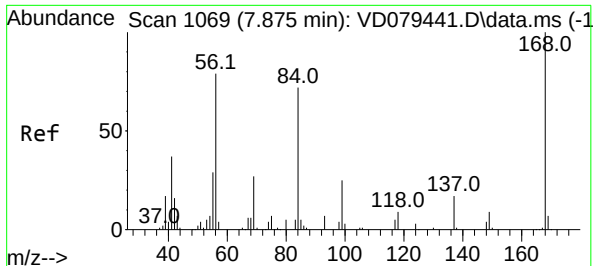
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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OU4-PCS-04-072324

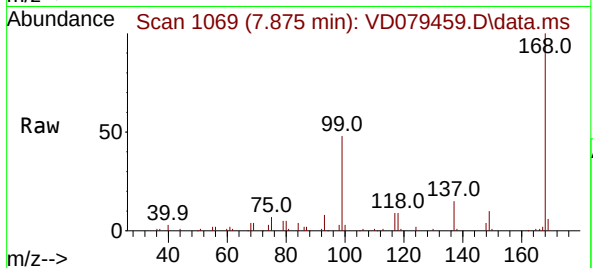
Quant Time: Jul 31 01:53:43 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D072924S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 30 03:50:47 2024
Response via : Initial Calibration



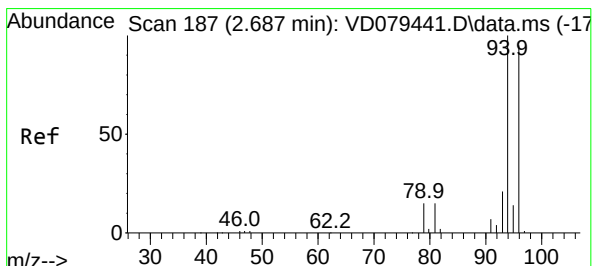
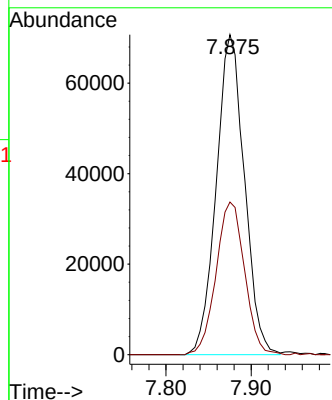
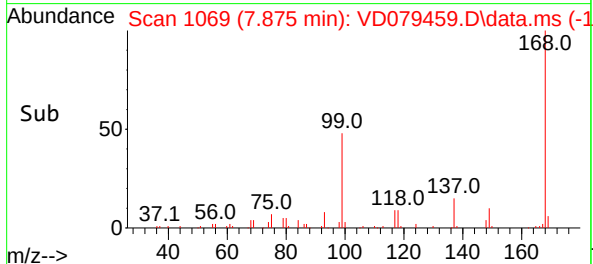


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD079459.D
Acq: 30 Jul 2024 15:25

Instrument :
MSVOA_D
ClientSampleId :
OU4-PCS-04-072324

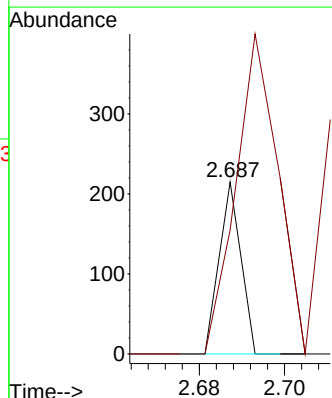
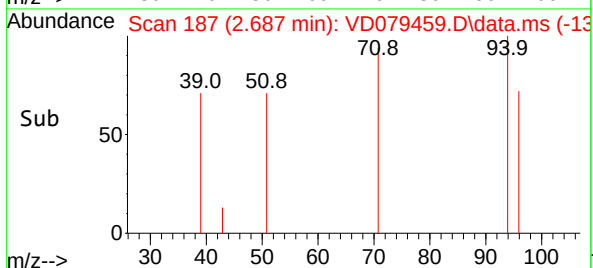
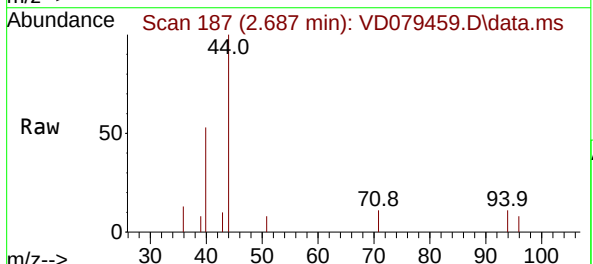


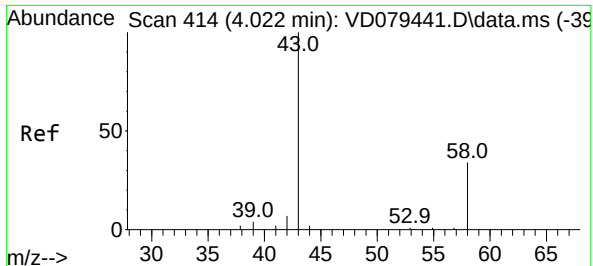
Tgt Ion:168 Resp: 162286
Ion Ratio Lower Upper
168 100
99 47.7 41.1 61.7



#5
Bromomethane
Concen: Below Cal
RT: 2.687 min Scan# 187
Delta R.T. 0.000 min
Lab File: VD079459.D
Acq: 30 Jul 2024 15:25

Tgt Ion: 94 Resp: 76
Ion Ratio Lower Upper
94 100
96 360.5 76.9 115.3#

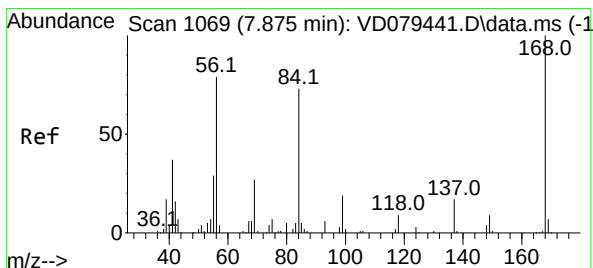
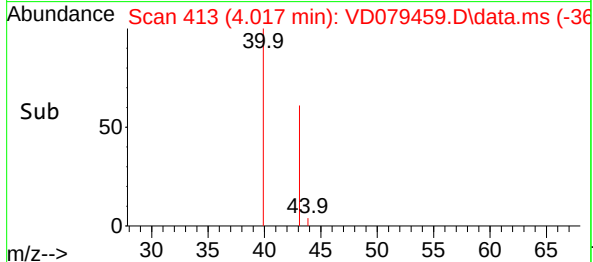
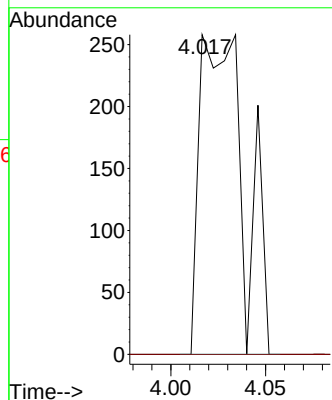
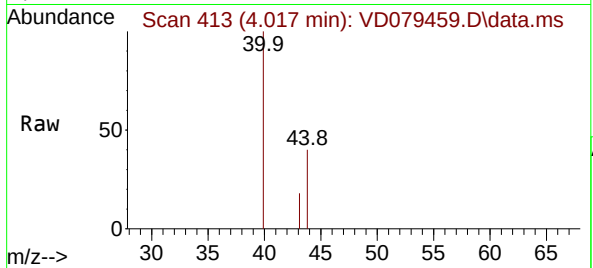




#16
Acetone
Concen: 1.305 ug/l
RT: 4.017 min Scan# 41
Delta R.T. -0.006 min
Lab File: VD079459.D
Acq: 30 Jul 2024 15:25

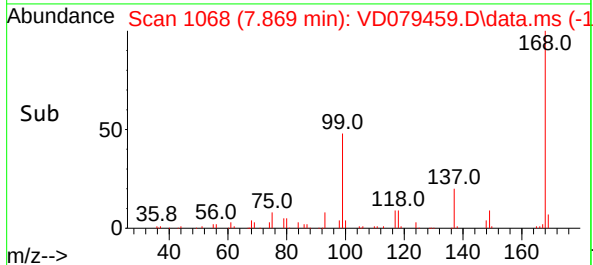
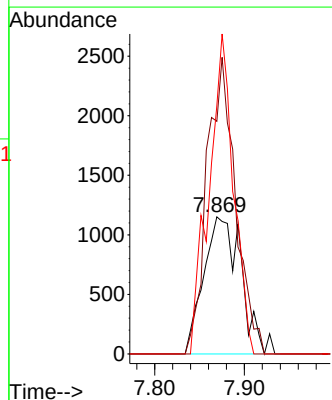
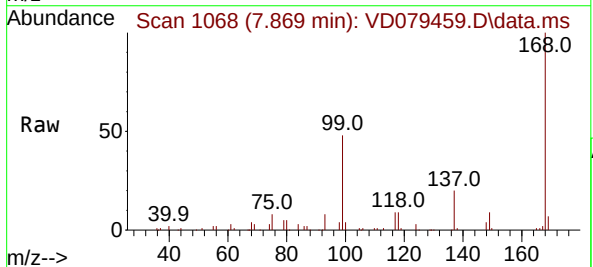
Instrument :
MSVOA_D
ClientSampleId :
OU4-PCS-04-072324

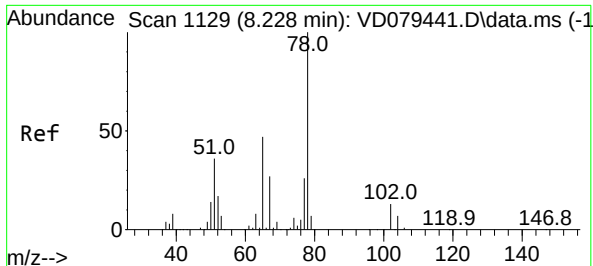
Tgt Ion: 43 Resp: 418
Ion Ratio Lower Upper
43 100
58 0.0 30.4 45.6#



#31
Cyclohexane
Concen: 1.224 ug/l
RT: 7.869 min Scan# 1068
Delta R.T. -0.012 min
Lab File: VD079459.D
Acq: 30 Jul 2024 15:25

Tgt Ion: 56 Resp: 3352
Ion Ratio Lower Upper
56 100
69 169.7 28.0 42.0#
84 181.1 87.4 131.0#





#33

1,2-Dichloroethane-d4

Concen: 55.053 ug/l

RT: 8.234 min Scan# 1129

Delta R.T. 0.006 min

Lab File: VD079459.D

Acq: 30 Jul 2024 15:25

Instrument :

MSVOA_D

ClientSampleId :

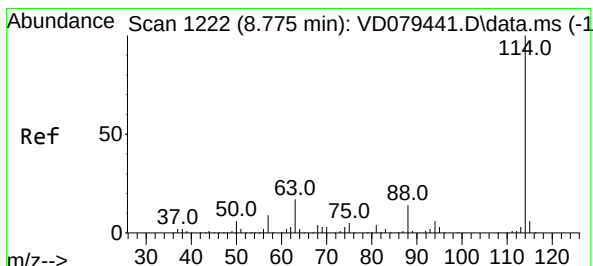
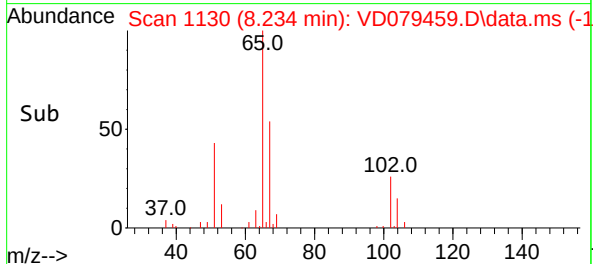
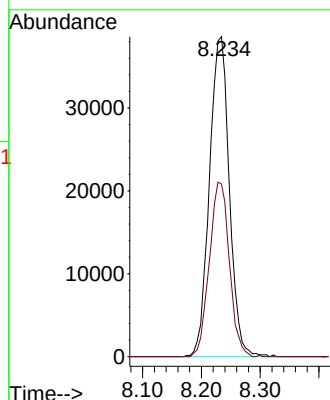
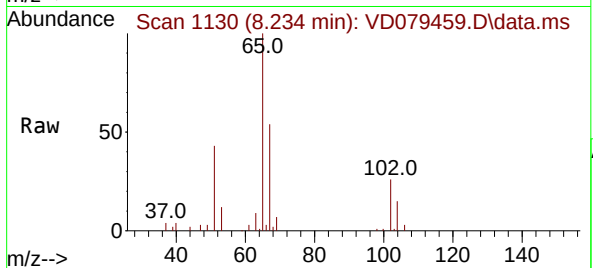
OU4-PCS-04-072324

Tgt Ion: 65 Resp: 90765

Ion Ratio Lower Upper

65 100

67 54.7 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: VD079459.D

Acq: 30 Jul 2024 15:25

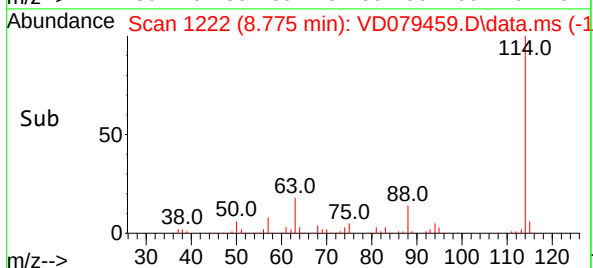
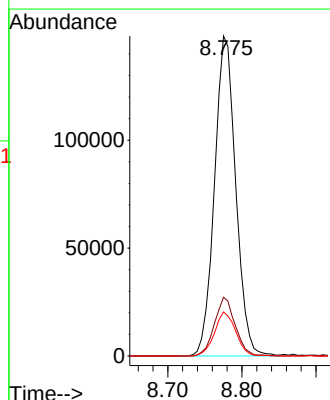
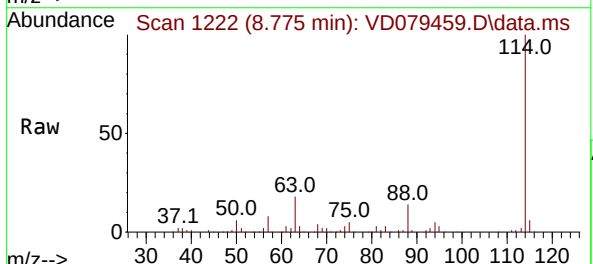
Tgt Ion: 114 Resp: 295359

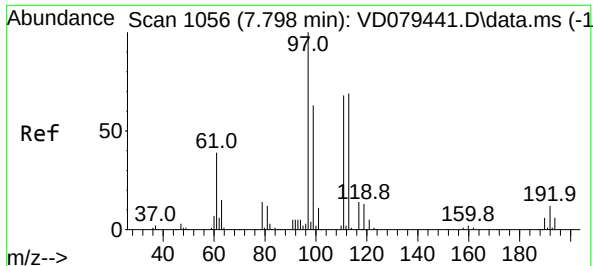
Ion Ratio Lower Upper

114 100

63 18.4 0.0 34.0

88 13.8 0.0 27.2





#35

Dibromofluoromethane

Concen: 54.507 ug/l

RT: 7.805 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VD079459.D

Acq: 30 Jul 2024 15:25

Instrument :

MSVOA_D

ClientSampleId :

OU4-PCS-04-072324

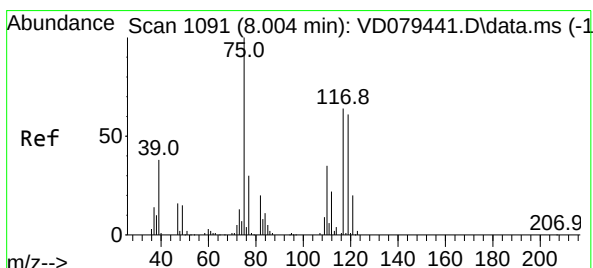
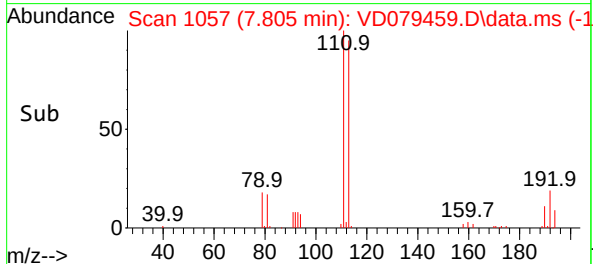
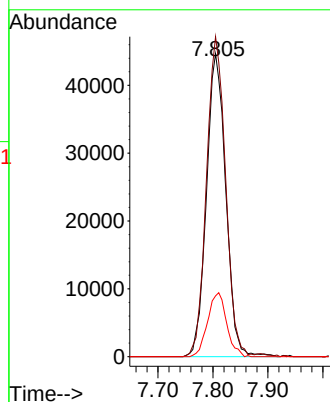
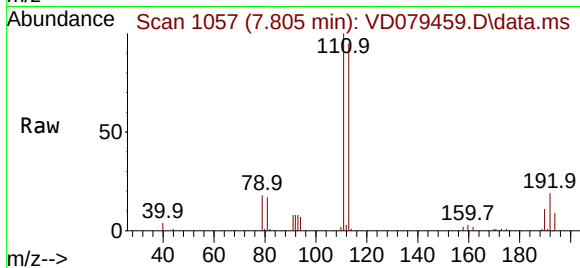
Tgt Ion:113 Resp: 108966

Ion Ratio Lower Upper

113 100

111 104.5 84.0 126.0

192 20.8 15.4 23.0



#36

1,1-Dichloropropene

Concen: 4.230 ug/l

RT: 7.869 min Scan# 1068

Delta R.T. -0.141 min

Lab File: VD079459.D

Acq: 30 Jul 2024 15:25

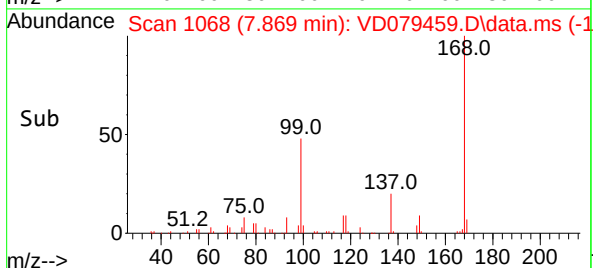
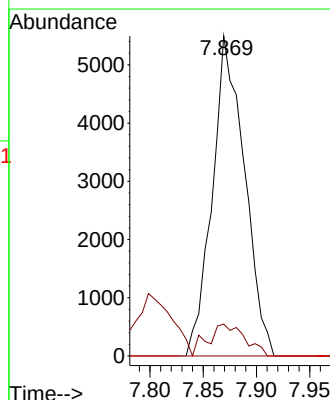
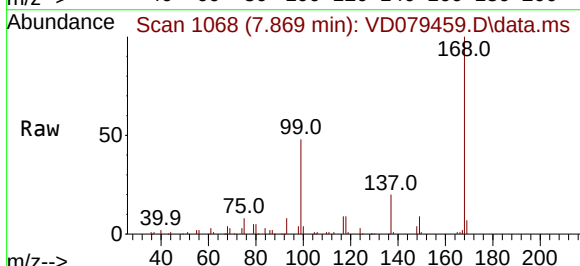
Tgt Ion: 75 Resp: 11542

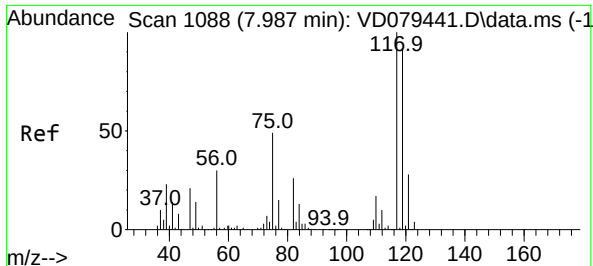
Ion Ratio Lower Upper

75 100

110 11.3 19.6 58.7#

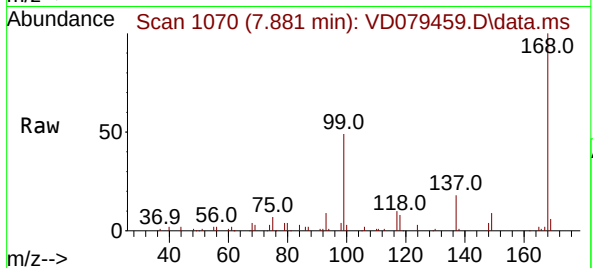
77 0.0 26.1 39.1#



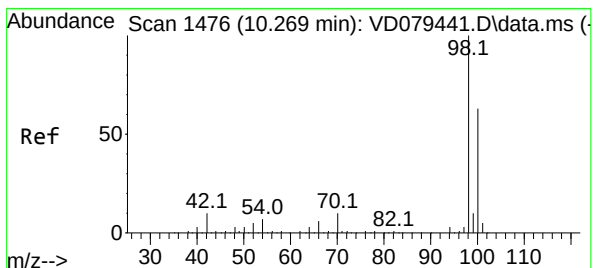
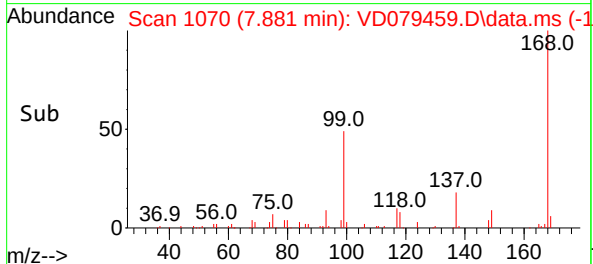
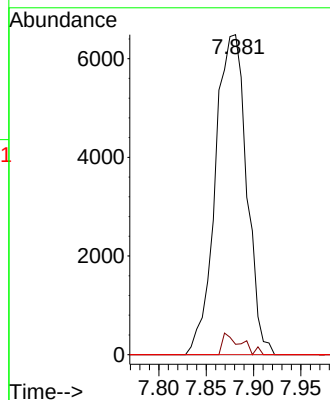


#38
Carbon Tetrachloride
Concen: 5.206 ug/l
RT: 7.881 min Scan# 1088
Delta R.T. -0.106 min
Lab File: VD079459.D
Acq: 30 Jul 2024 15:25

Instrument :
MSVOA_D
ClientSampleId :
OU4-PCS-04-072324

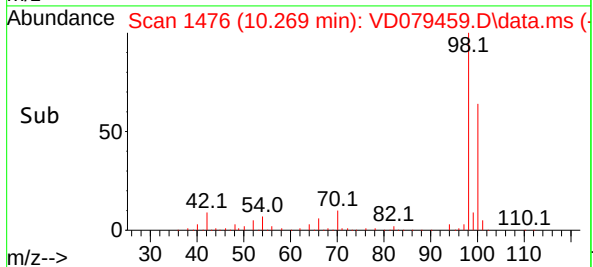
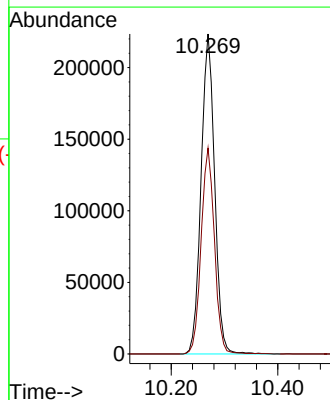
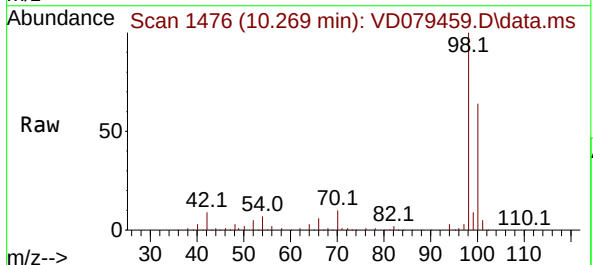


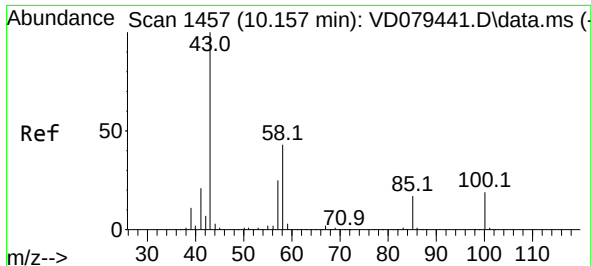
Tgt Ion:117 Resp: 14934
Ion Ratio Lower Upper
117 100
119 3.3 75.4 113.0#
121 0.0 25.0 37.4#



#50
Toluene-d8
Concen: 50.805 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.006 min
Lab File: VD079459.D
Acq: 30 Jul 2024 15:25

Tgt Ion: 98 Resp: 394416
Ion Ratio Lower Upper
98 100
100 63.3 51.6 77.4

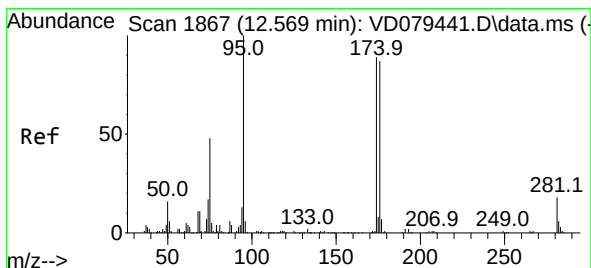
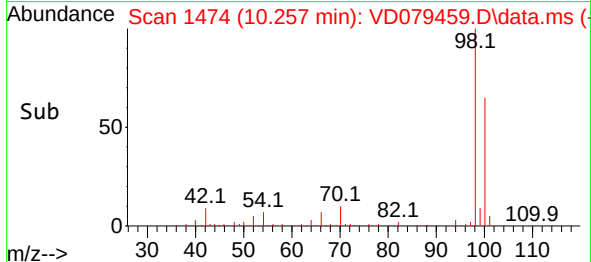
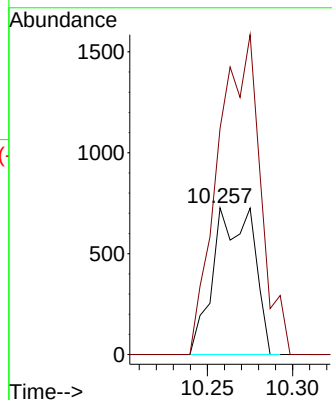
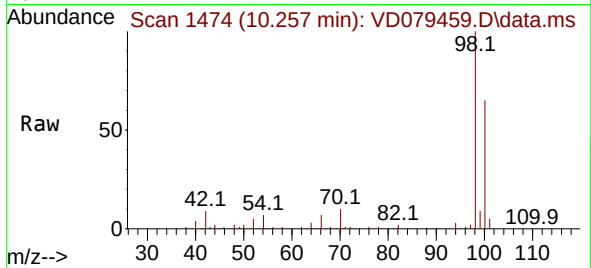




#51
4-Methyl-2-Pentanone
Concen: 1.114 ug/l
RT: 10.257 min Scan# 1457
Delta R.T. 0.100 min
Lab File: VD079459.D
Acq: 30 Jul 2024 15:25

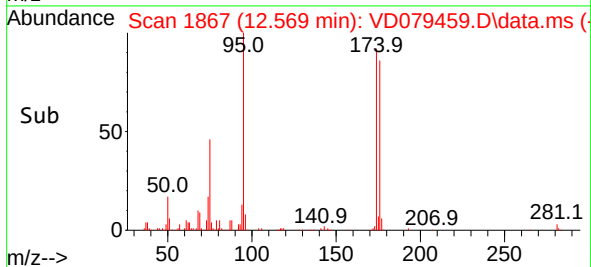
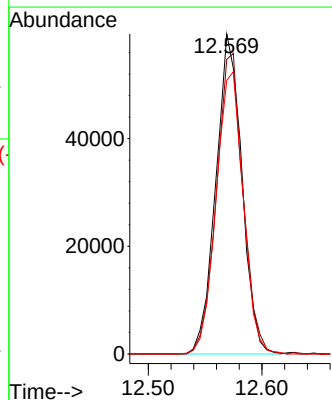
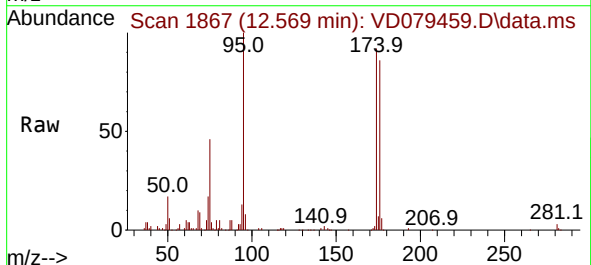
Instrument :
MSVOA_D
ClientSampleId :
OU4-PCS-04-072324

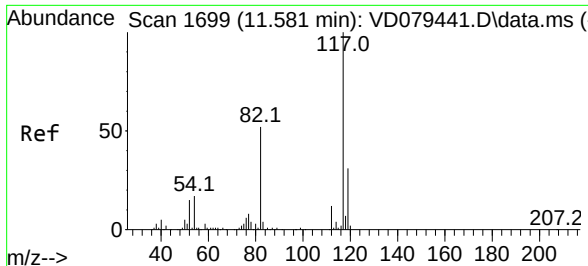
Tgt Ion: 43 Resp: 1196
Ion Ratio Lower Upper
43 100
58 228.4 36.6 55.0#



#62
4-Bromofluorobenzene
Concen: 41.994 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. 0.000 min
Lab File: VD079459.D
Acq: 30 Jul 2024 15:25

Tgt Ion: 95 Resp: 94341
Ion Ratio Lower Upper
95 100
174 96.3 0.0 195.4
176 92.2 0.0 192.6

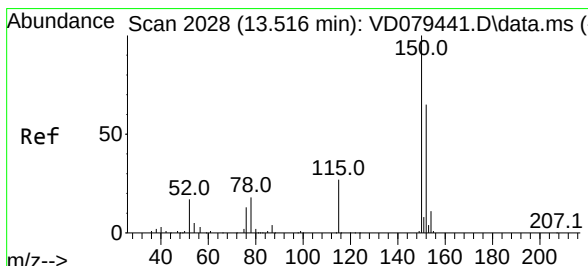
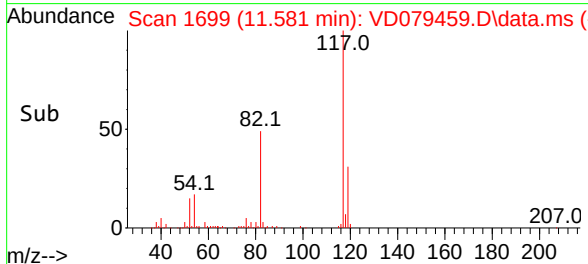
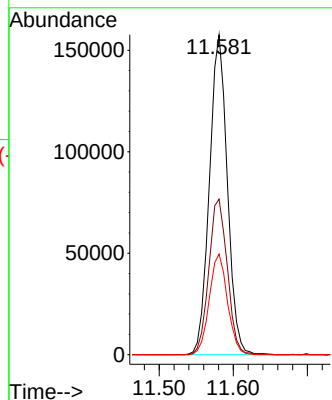
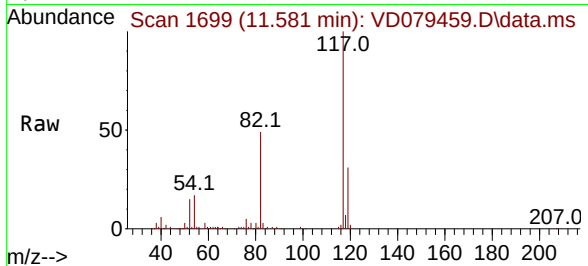




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1
Delta R.T. 0.000 min
Lab File: VD079459.D
Acq: 30 Jul 2024 15:25

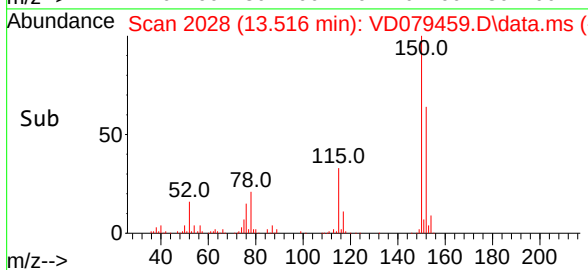
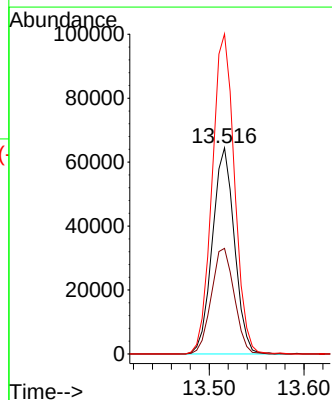
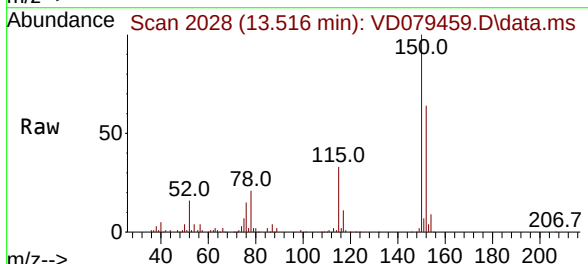
Instrument :
MSVOA_D
ClientSampleId :
OU4-PCS-04-072324

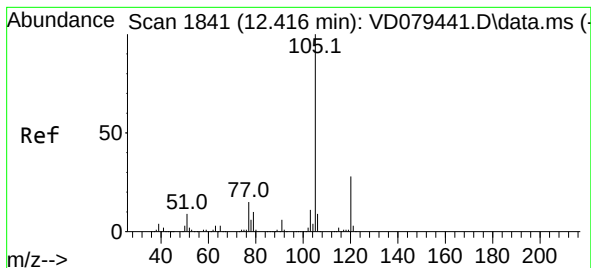
Tgt Ion:117	Resp: 264451
Ion Ratio	Lower Upper
117	100
82	48.6 39.8 59.6
119	31.4 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. 0.006 min
Lab File: VD079459.D
Acq: 30 Jul 2024 15:25

Tgt Ion:152	Resp: 104185
Ion Ratio	Lower Upper
152	100
115	53.2 26.5 79.5
150	157.5 0.0 341.6





#73

Isopropylbenzene

Concen: 3.635 ug/l

RT: 12.322 min Scan# 1825

Delta R.T. -0.094 min

Lab File: VD079459.D

Acq: 30 Jul 2024 15:25

Instrument :

MSVOA_D

ClientSampleId :

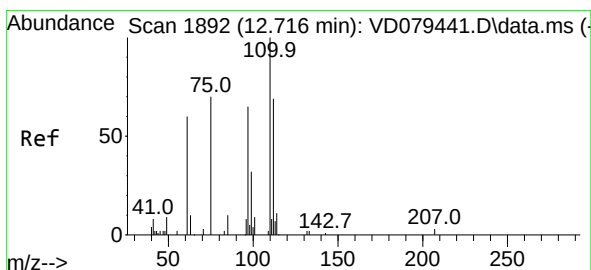
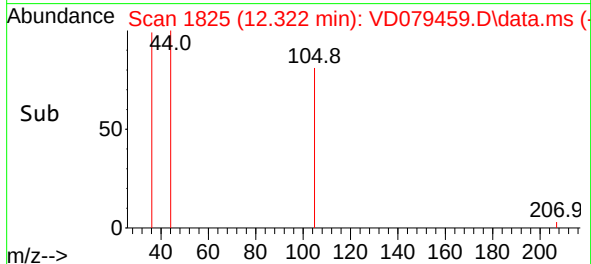
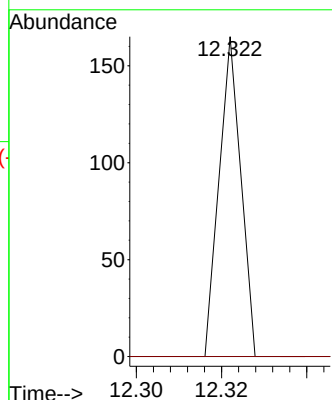
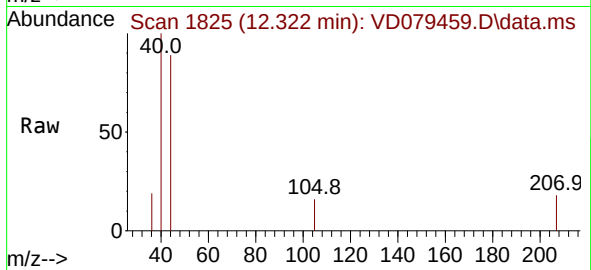
OU4-PCS-04-072324

Tgt Ion:105 Resp: 58

Ion Ratio Lower Upper

105 100

120 0.0 13.6 40.7#



#76

1,2,3-Trichloropropane

Concen: 51.780 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. -0.147 min

Lab File: VD079459.D

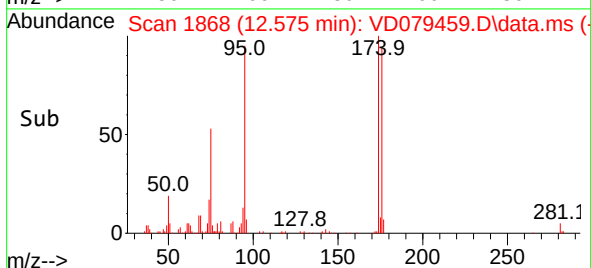
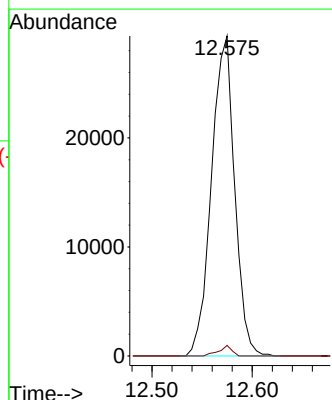
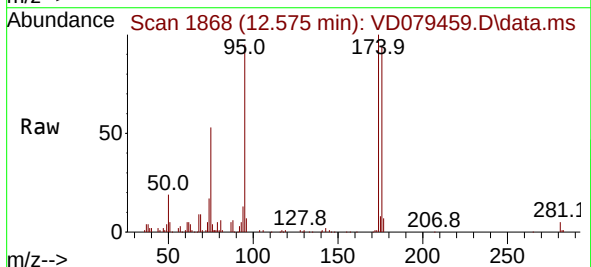
Acq: 30 Jul 2024 15:25

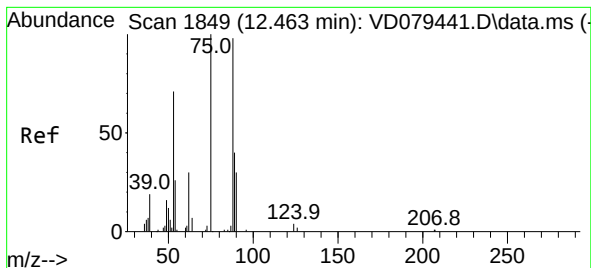
Tgt Ion: 75 Resp: 47155

Ion Ratio Lower Upper

75 100

77 1.8 0.0 0.0#

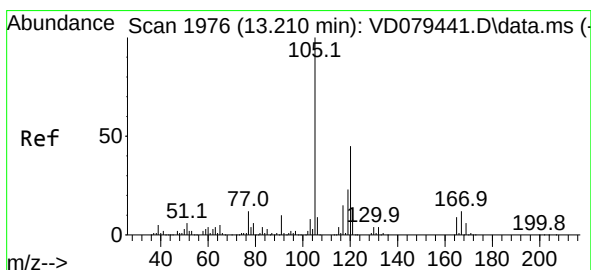
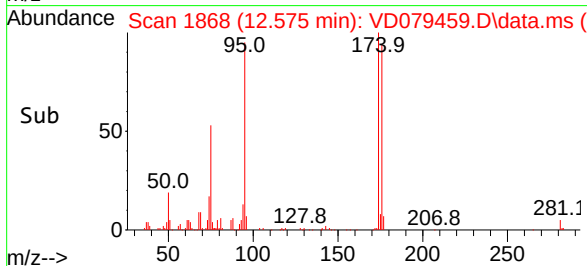
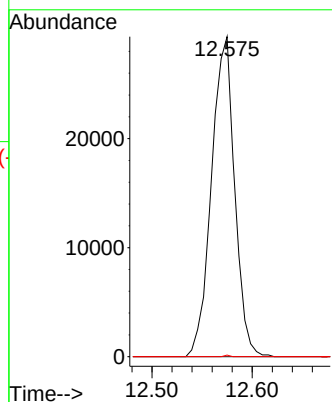
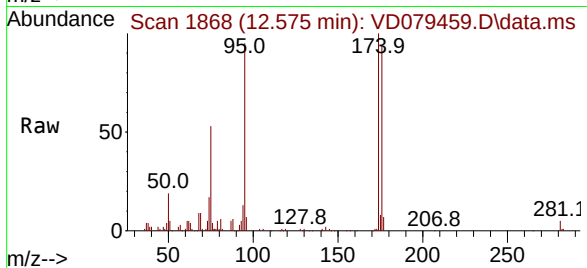




#81
trans-1,4-Dichloro-2-butene
Concen: 98.758 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD079459.D
Acq: 30 Jul 2024 15:25

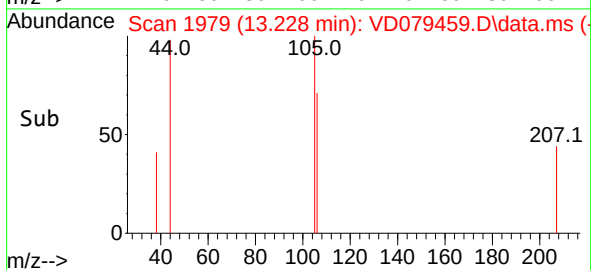
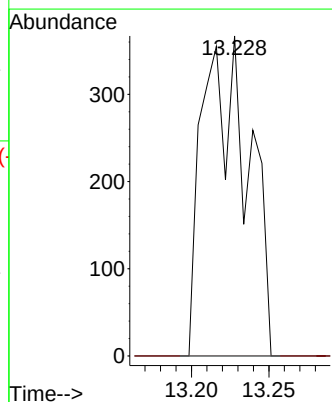
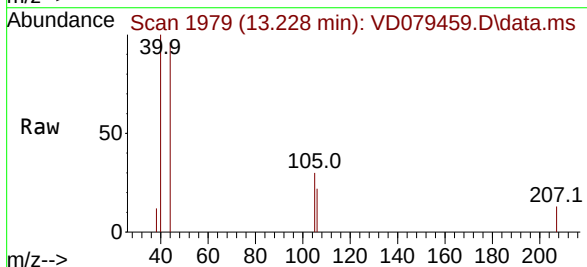
Instrument :
MSVOA_D
ClientSampleId :
OU4-PCS-04-072324

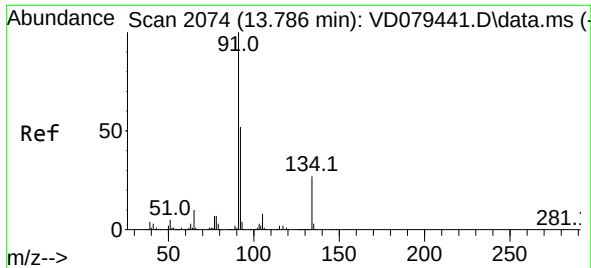
Tgt Ion: 75 Resp: 47155
Ion Ratio Lower Upper
75 100
53 0.0 61.4 92.2#
89 0.1 35.4 53.0#



#84
1,2,4-Trimethylbenzene
Concen: 3.536 ug/l
RT: 13.228 min Scan# 1979
Delta R.T. 0.024 min
Lab File: VD079459.D
Acq: 30 Jul 2024 15:25

Tgt Ion: 105 Resp: 752
Ion Ratio Lower Upper
105 100
120 0.0 23.6 71.0#





#89

n-Butylbenzene

Concen: 3.821 ug/l

RT: 13.510 min Scan# 20

Delta R.T. -0.271 min

Lab File: VD079459.D

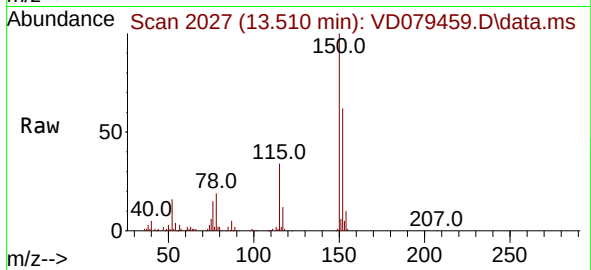
Acq: 30 Jul 2024 15:25

Instrument :

MSVOA_D

ClientSampleId :

OU4-PCS-04-072324



Tgt Ion: 91 Resp: 281

Ion Ratio Lower Upper

91 100

92 0.0 25.7 77.0#

134 0.0 13.6 40.8#

