

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD073124\
 Data File : VD079497.D
 Acq On : 31 Jul 2024 15:28
 Operator : RP/MD
 Sample : P3379-03
 Misc : 6.86G/5.0ml/MSVOA_D/SOIL/B
 ALS Vial : 13 Sample Multiplier: 1

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

Quant Time: Aug 01 01:52:06 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)

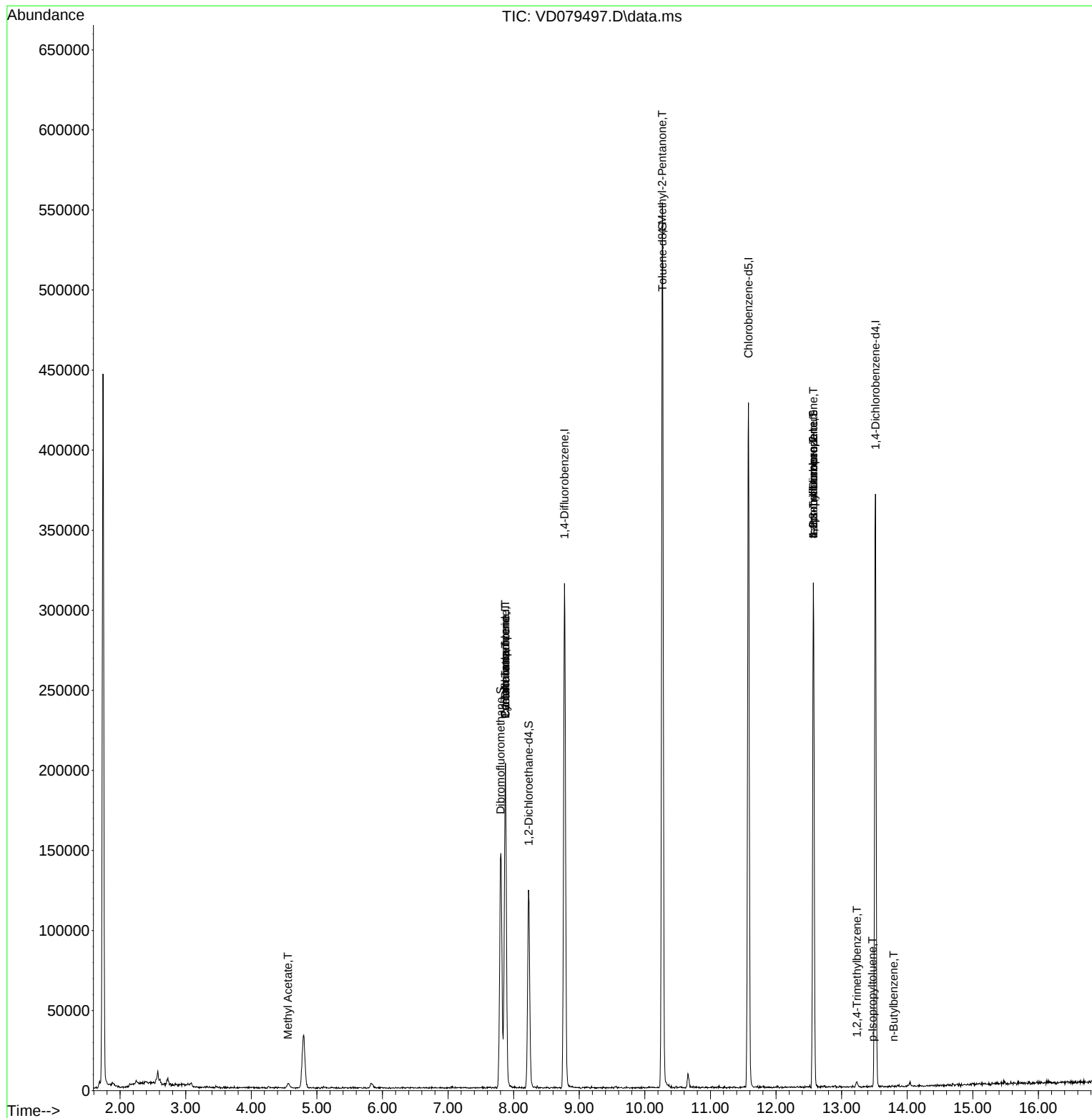
Internal Standards						
1) Pentafluorobenzene	7.875	168	160149	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	294396	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	265345	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	105740	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	93128	57.240	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 114.480%	
35) Dibromofluoromethane	7.799	113	109862	55.135	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 110.260%	
50) Toluene-d8	10.269	98	392318	50.700	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 101.400%	
62) 4-Bromofluorobenzene	12.569	95	95272	42.547	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 85.100%	
Target Compounds						
						Qvalue
5) Bromomethane	2.693	94	438	Below Cal	#	2
18) Methyl Acetate	4.558	43	5187	5.284	ug/l	92
20) Methylene Chloride	4.799	84	26093	Below Cal		90
31) Cyclohexane	7.875	56	3847	1.424	ug/l	# 39
36) 1,1-Dichloropropene	7.875	75	12231	4.497	ug/l	# 47
38) Carbon Tetrachloride	7.875	117	15150	5.299	ug/l	# 18
51) 4-Methyl-2-Pentanone	10.263	43	1577	1.474	ug/l	# 1
73) Isopropylbenzene	12.569	105	59	3.635	ug/l	# 48
76) 1,2,3-Trichloropropane	12.569	75	48132	52.076	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.569	75	48132	99.322	ug/l	# 19
84) 1,2,4-Trimethylbenzene	13.234	105	1395	3.625	ug/l	# 29
86) p-Isopropyltoluene	13.469	119	59	3.894	ug/l	# 51
89) n-Butylbenzene	13.792	91	113	3.797	ug/l	# 34

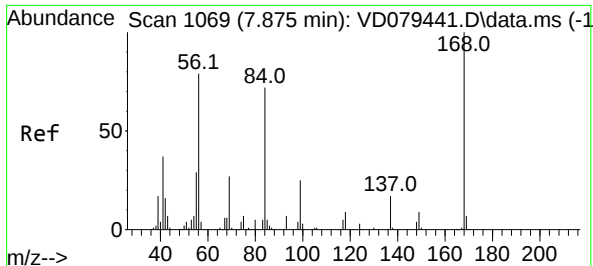
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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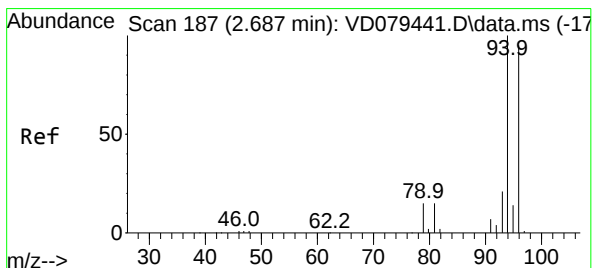
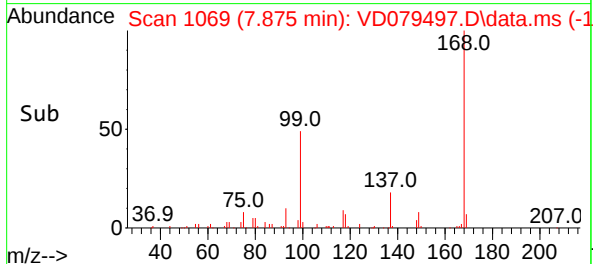
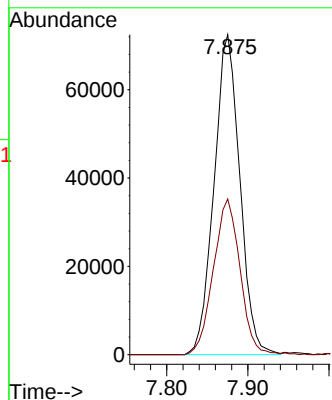
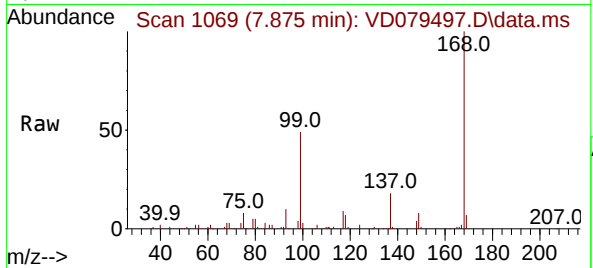




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD079497.D
Acq: 31 Jul 2024 15:28

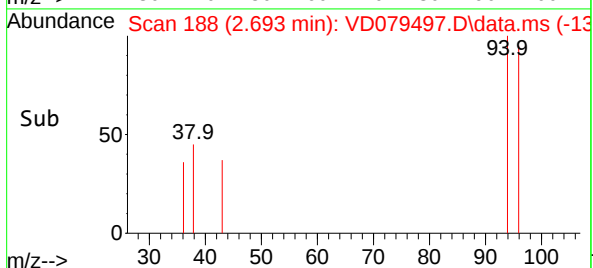
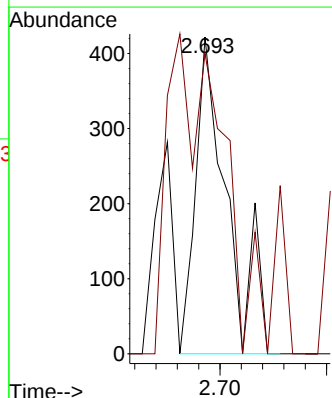
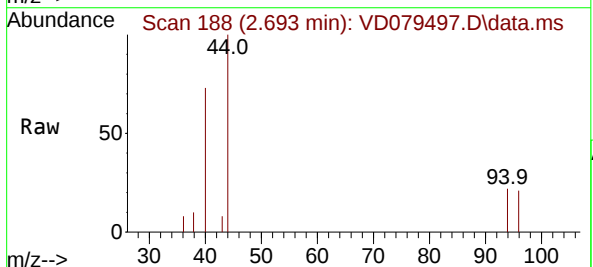
Instrument :
MSVOA_D
ClientSampleId :
OU4-PCS-02-072324

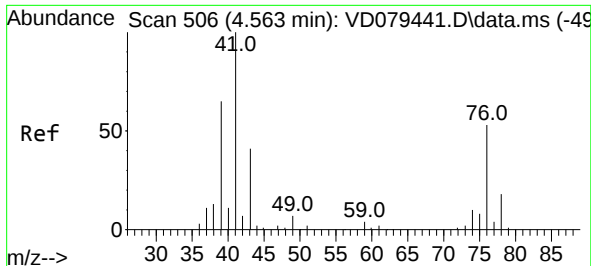
Tgt Ion:168 Resp: 160149
Ion Ratio Lower Upper
168 100
99 48.7 41.1 61.7



#5
Bromomethane
Concen: Below Cal
RT: 2.693 min Scan# 188
Delta R.T. 0.006 min
Lab File: VD079497.D
Acq: 31 Jul 2024 15:28

Tgt Ion: 94 Resp: 438
Ion Ratio Lower Upper
94 100
96 0.0 76.9 115.3#

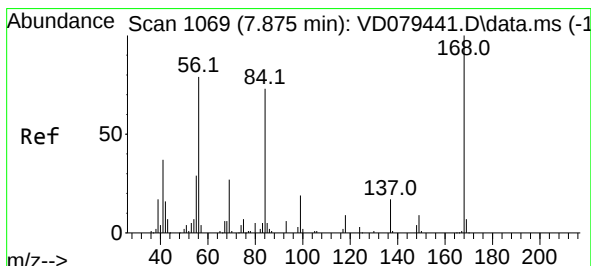
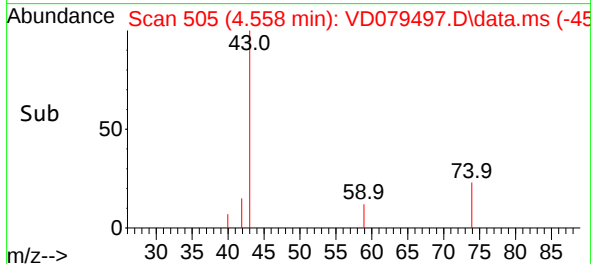
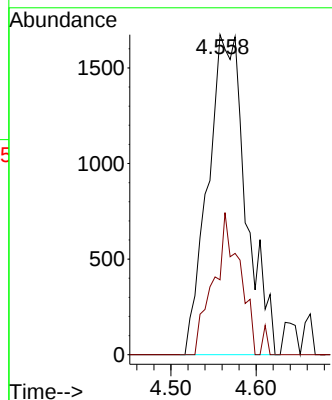
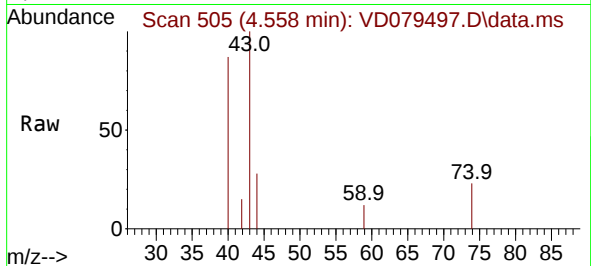




#18
Methyl Acetate
Concen: 5.284 ug/l
RT: 4.558 min Scan# 506
Delta R.T. -0.012 min
Lab File: VD079497.D
Acq: 31 Jul 2024 15:28

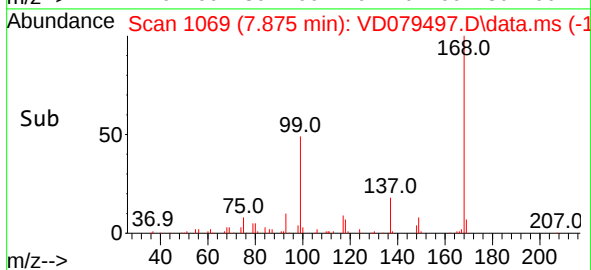
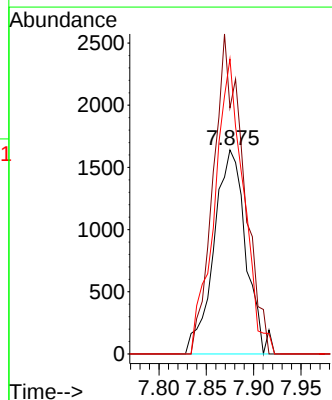
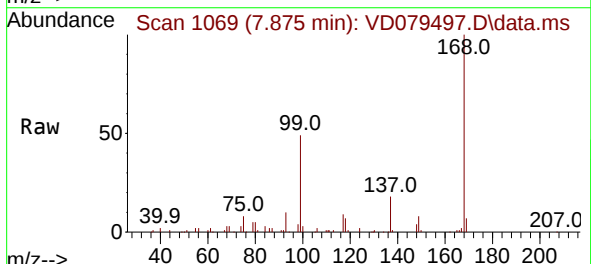
Instrument :
MSVOA_D
ClientSampleId :
OU4-PCS-02-072324

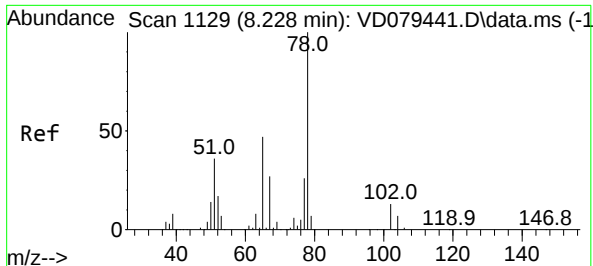
Tgt Ion: 43 Resp: 5187
Ion Ratio Lower Upper
43 100
74 30.2 28.1 42.1



#31
Cyclohexane
Concen: 1.424 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.006 min
Lab File: VD079497.D
Acq: 31 Jul 2024 15:28

Tgt Ion: 56 Resp: 3847
Ion Ratio Lower Upper
56 100
69 120.7 28.0 42.0#
84 144.7 87.4 131.0#





#33

1,2-Dichloroethane-d4

Concen: 57.240 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.000 min

Lab File: VD079497.D

Acq: 31 Jul 2024 15:28

Instrument :

MSVOA_D

ClientSampleId :

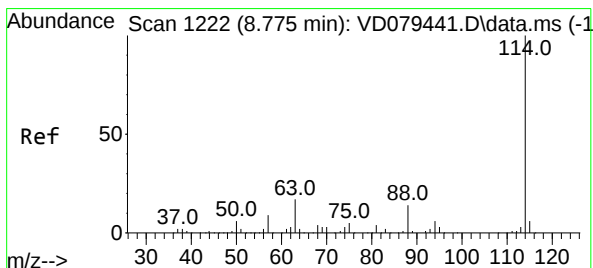
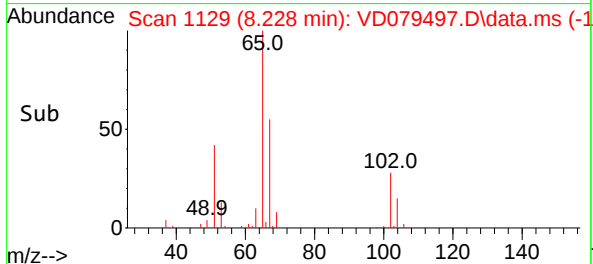
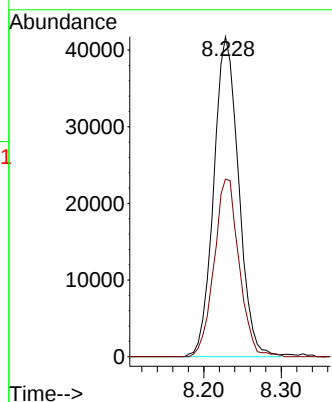
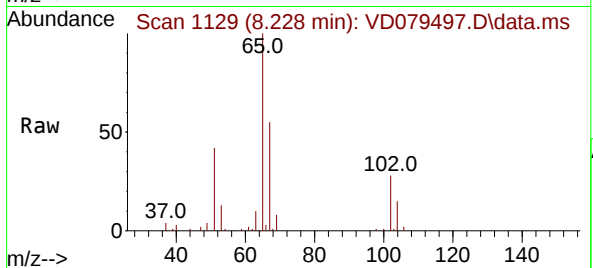
OU4-PCS-02-072324

Tgt Ion: 65 Resp: 93128

Ion Ratio Lower Upper

65 100

67 55.8 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: VD079497.D

Acq: 31 Jul 2024 15:28

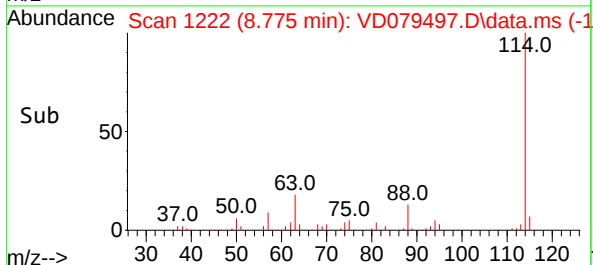
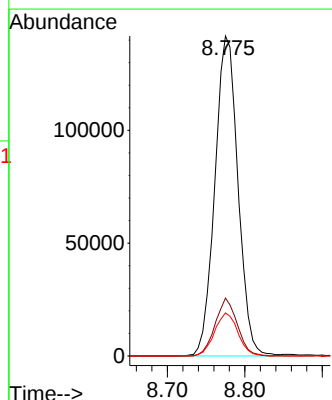
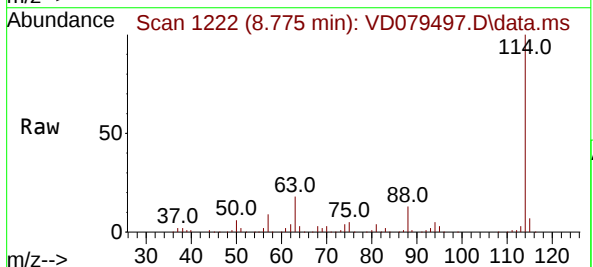
Tgt Ion: 114 Resp: 294396

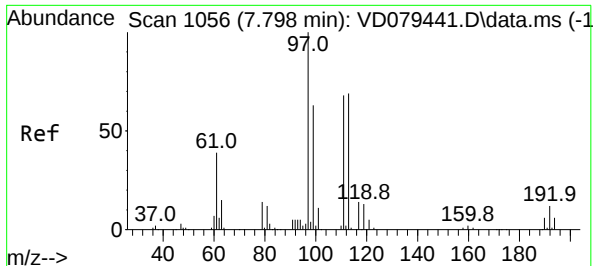
Ion Ratio Lower Upper

114 100

63 18.1 0.0 34.0

88 13.5 0.0 27.2





#35

Dibromofluoromethane

Concen: 55.135 ug/l

RT: 7.799 min Scan# 1056

Delta R.T. -0.006 min

Lab File: VD079497.D

Acq: 31 Jul 2024 15:28

Instrument :

MSVOA_D

ClientSampleId :

OU4-PCS-02-072324

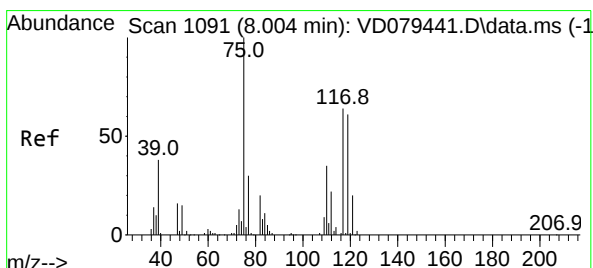
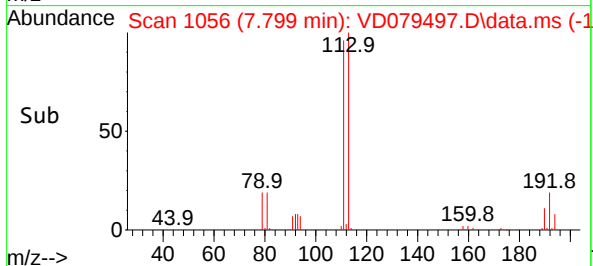
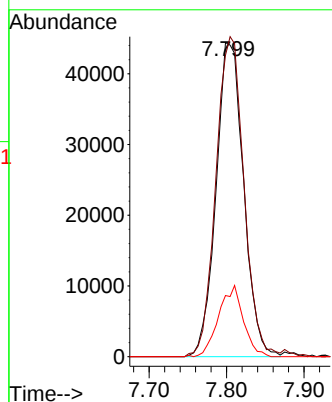
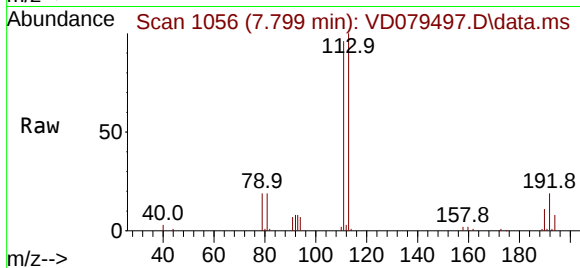
Tgt Ion:113 Resp: 109862

Ion Ratio Lower Upper

113 100

111 103.3 84.0 126.0

192 20.3 15.4 23.0



#36

1,1-Dichloropropene

Concen: 4.497 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.135 min

Lab File: VD079497.D

Acq: 31 Jul 2024 15:28

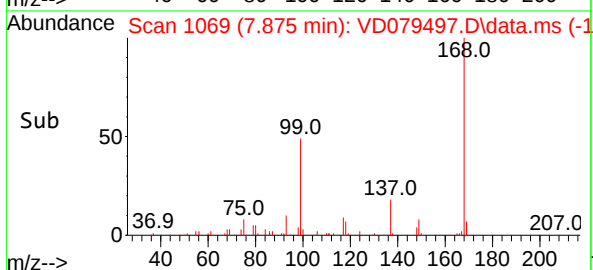
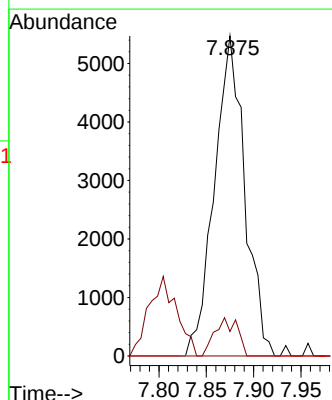
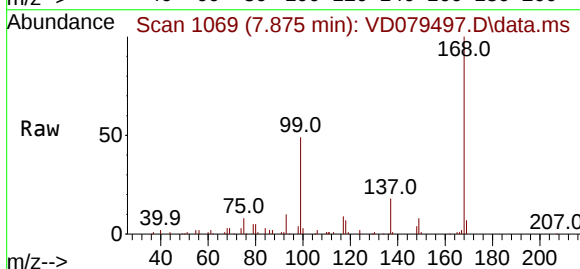
Tgt Ion: 75 Resp: 12231

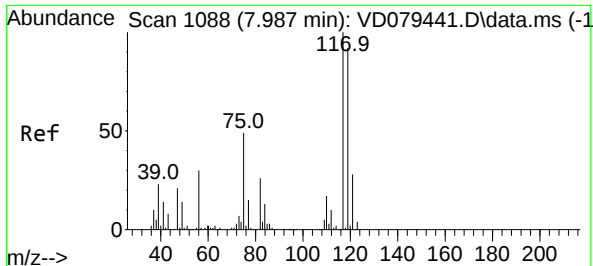
Ion Ratio Lower Upper

75 100

110 8.8 19.6 58.7#

77 0.0 26.1 39.1#

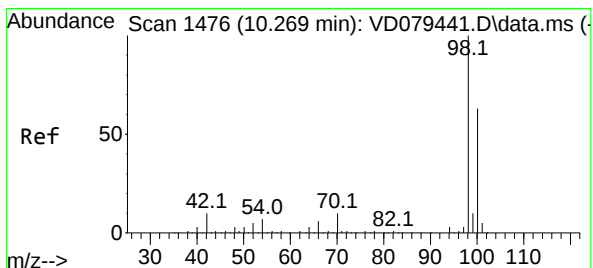
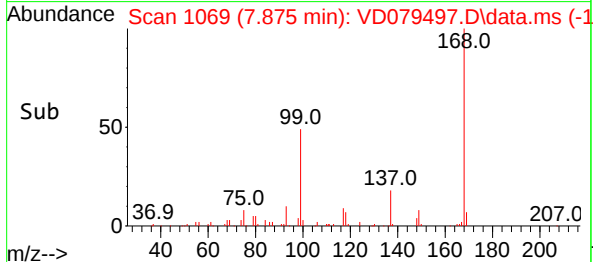
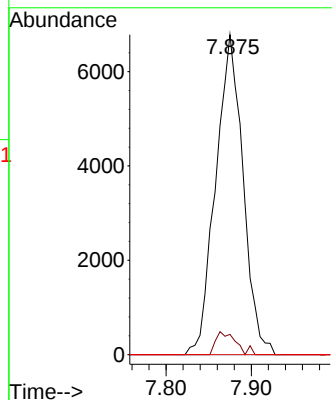
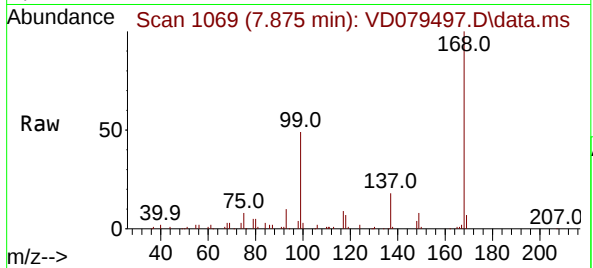




#38
Carbon Tetrachloride
Concen: 5.299 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.112 min
Lab File: VD079497.D
Acq: 31 Jul 2024 15:28

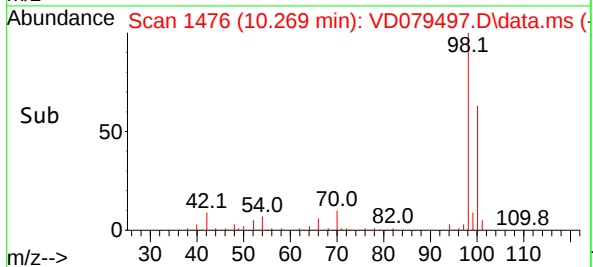
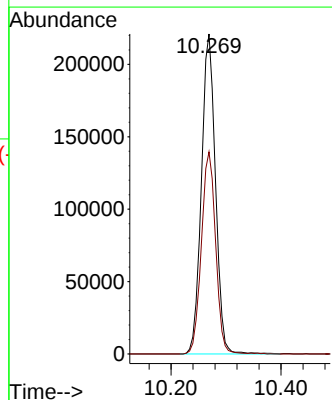
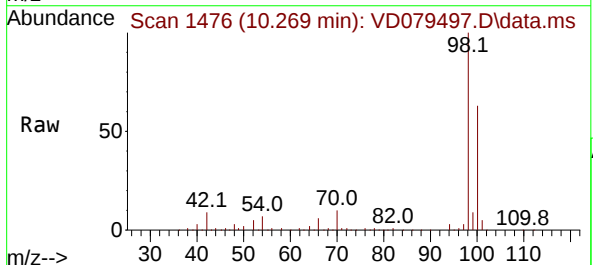
Instrument :
MSVOA_D
ClientSampleId :
OU4-PCS-02-072324

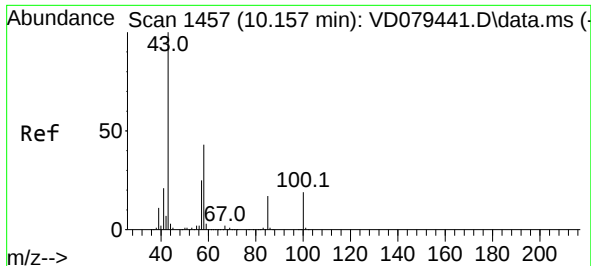
Tgt Ion:117 Resp: 15150
Ion Ratio Lower Upper
117 100
119 6.4 75.4 113.0#
121 0.0 25.0 37.4#



#50
Toluene-d8
Concen: 50.700 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.006 min
Lab File: VD079497.D
Acq: 31 Jul 2024 15:28

Tgt Ion: 98 Resp: 392318
Ion Ratio Lower Upper
98 100
100 63.9 51.6 77.4





#51

4-Methyl-2-Pentanone

Concen: 1.474 ug/l

RT: 10.263 min Scan# 1457

Delta R.T. 0.106 min

Lab File: VD079497.D

Acq: 31 Jul 2024 15:28

Instrument :

MSVOA_D

ClientSampleId :

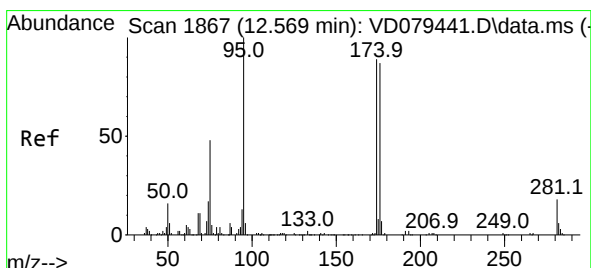
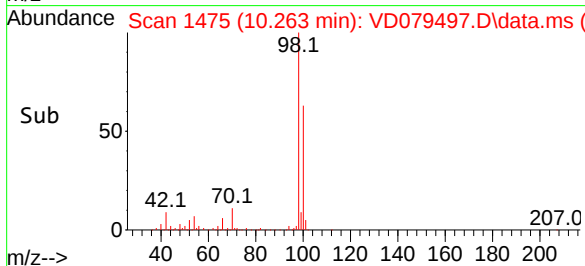
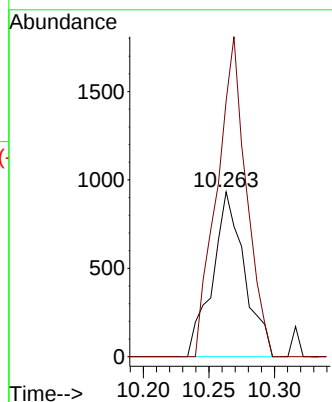
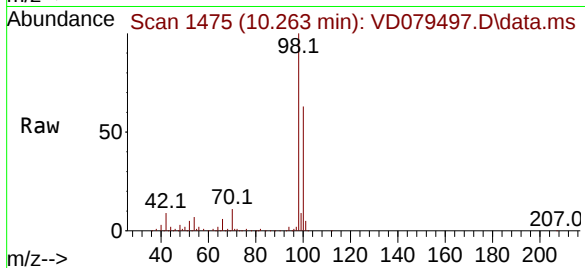
OU4-PCS-02-072324

Tgt Ion: 43 Resp: 1577

Ion Ratio Lower Upper

43 100

58 178.9 36.6 55.0#



#62

4-Bromofluorobenzene

Concen: 42.547 ug/l

RT: 12.569 min Scan# 1867

Delta R.T. -0.000 min

Lab File: VD079497.D

Acq: 31 Jul 2024 15:28

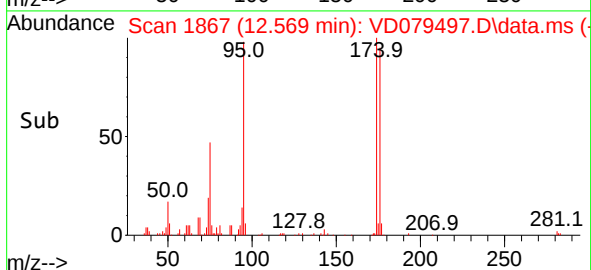
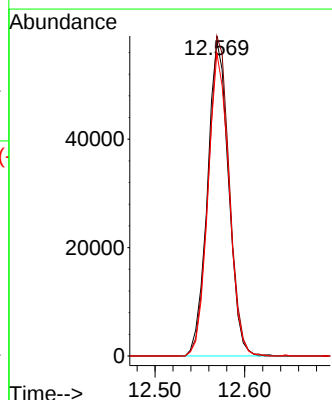
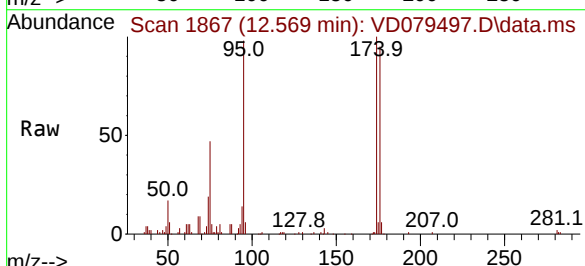
Tgt Ion: 95 Resp: 95272

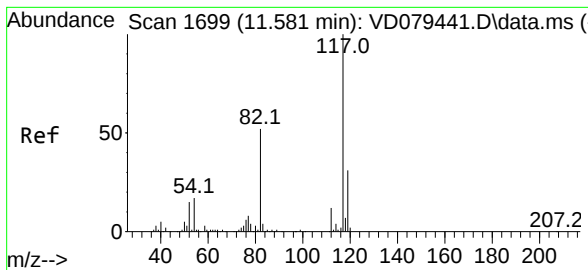
Ion Ratio Lower Upper

95 100

174 101.1 0.0 195.4

176 95.0 0.0 192.6

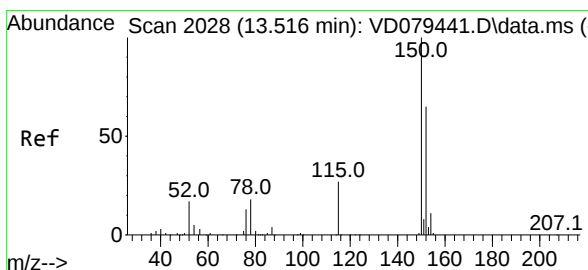
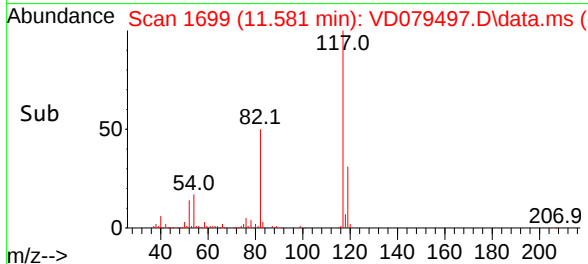
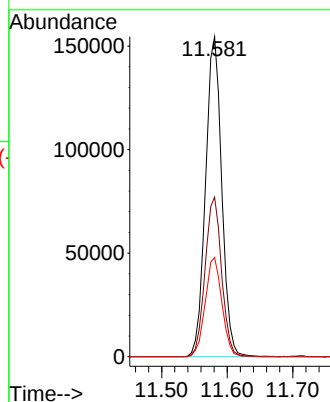
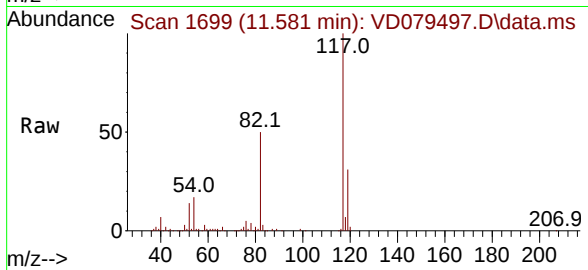




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1
Delta R.T. -0.000 min
Lab File: VD079497.D
Acq: 31 Jul 2024 15:28

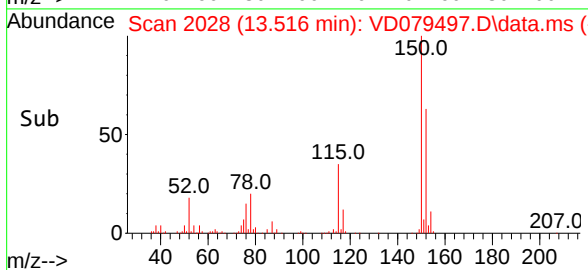
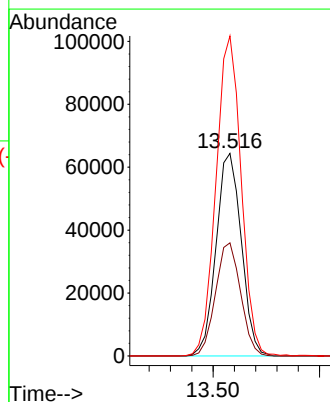
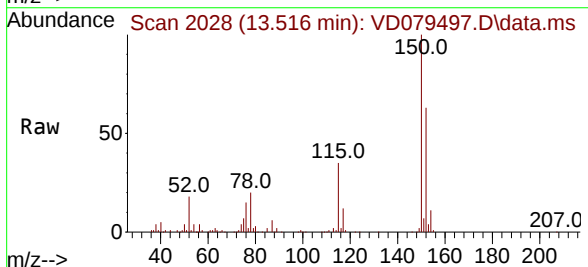
Instrument :
MSVOA_D
ClientSampleId :
OU4-PCS-02-072324

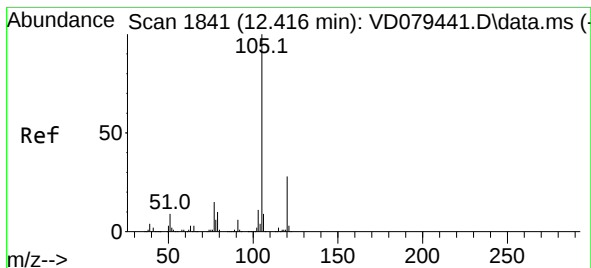
Tgt Ion:117 Resp: 265345
Ion Ratio Lower Upper
117 100
82 49.9 39.8 59.6
119 31.0 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. 0.006 min
Lab File: VD079497.D
Acq: 31 Jul 2024 15:28

Tgt Ion:152 Resp: 105740
Ion Ratio Lower Upper
152 100
115 55.6 26.5 79.5
150 157.6 0.0 341.6





#73

Isopropylbenzene

Concen: 3.635 ug/l

RT: 12.569 min Scan# 1867

Delta R.T. 0.153 min

Lab File: VD079497.D

Acq: 31 Jul 2024 15:28

Instrument :

MSVOA_D

ClientSampleId :

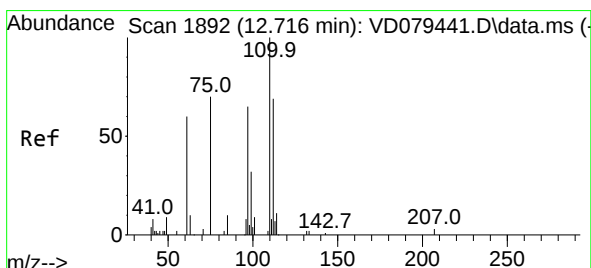
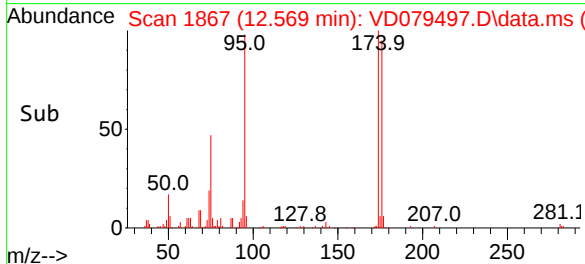
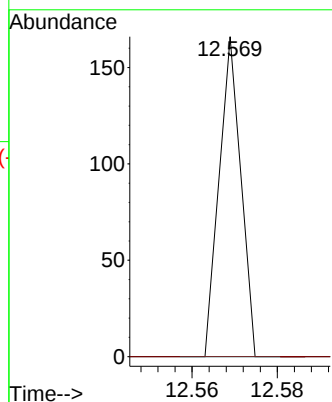
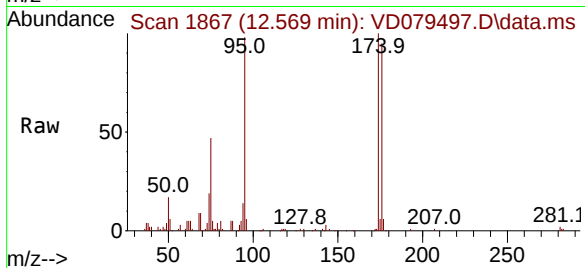
OU4-PCS-02-072324

Tgt Ion:105 Resp: 59

Ion Ratio Lower Upper

105 100

120 0.0 13.6 40.7#



#76

1,2,3-Trichloropropane

Concen: 52.076 ug/l

RT: 12.569 min Scan# 1867

Delta R.T. -0.153 min

Lab File: VD079497.D

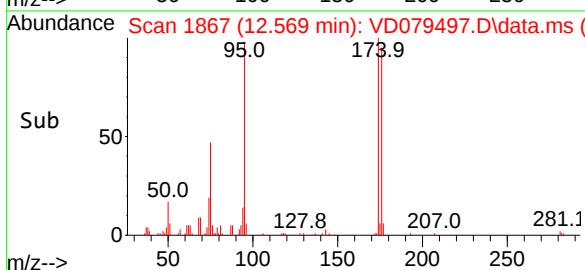
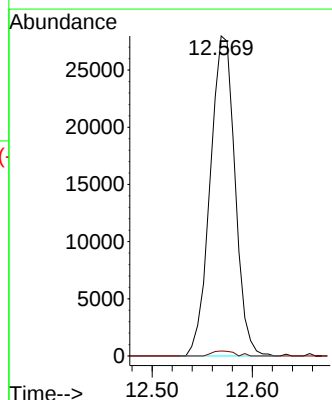
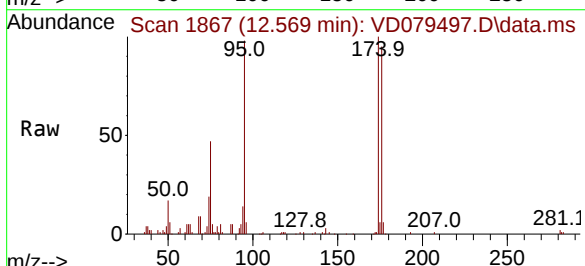
Acq: 31 Jul 2024 15:28

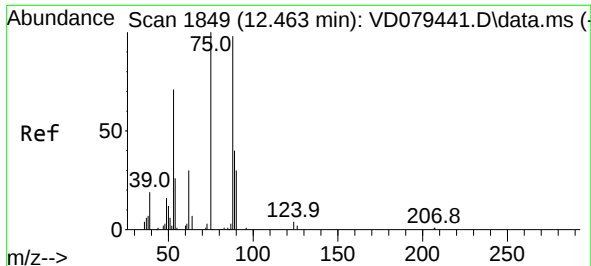
Tgt Ion: 75 Resp: 48132

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#

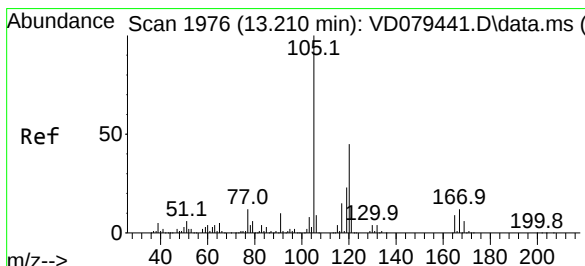
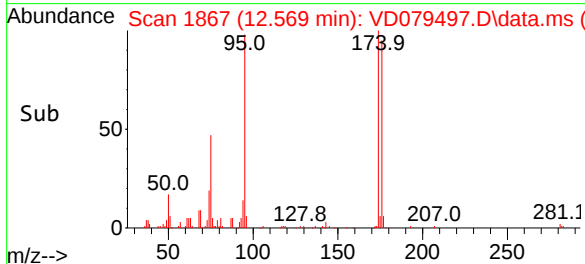
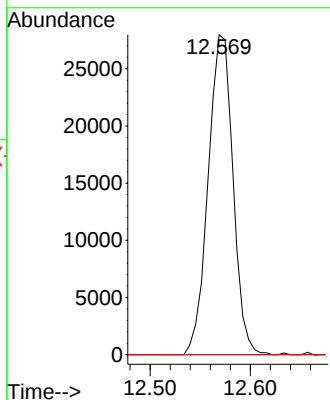
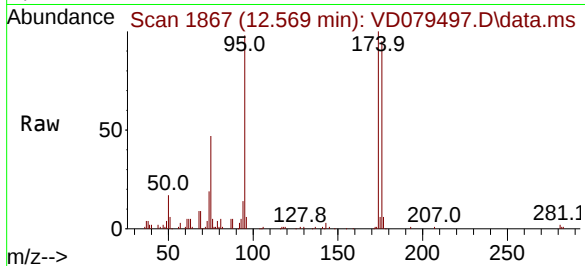




#81
trans-1,4-Dichloro-2-butene
Concen: 99.322 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. 0.100 min
Lab File: VD079497.D
Acq: 31 Jul 2024 15:28

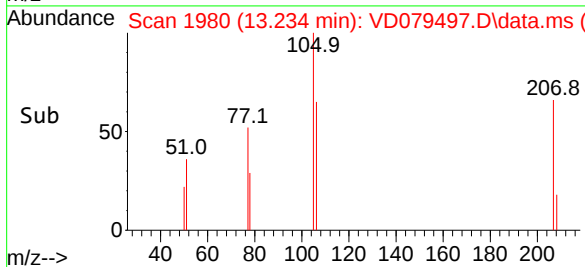
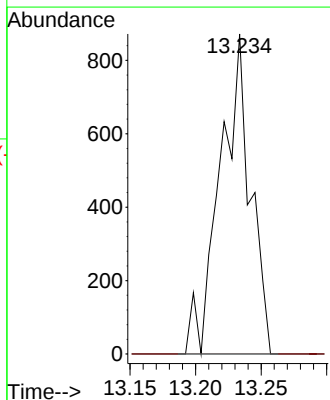
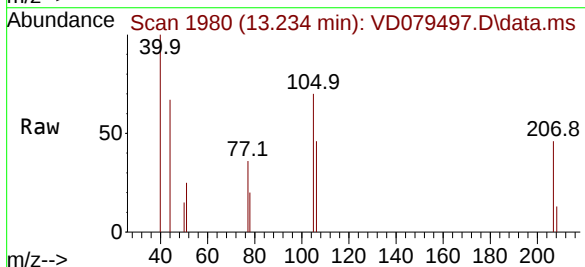
Instrument :
MSVOA_D
ClientSampleId :
OU4-PCS-02-072324

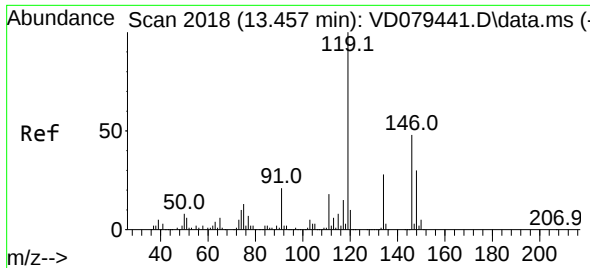
Tgt Ion: 75 Resp: 48132
Ion Ratio Lower Upper
75 100
53 0.0 61.4 92.2#
89 0.0 35.4 53.0#



#84
1,2,4-Trimethylbenzene
Concen: 3.625 ug/l
RT: 13.234 min Scan# 1980
Delta R.T. 0.030 min
Lab File: VD079497.D
Acq: 31 Jul 2024 15:28

Tgt Ion: 105 Resp: 1395
Ion Ratio Lower Upper
105 100
120 0.0 23.6 71.0#

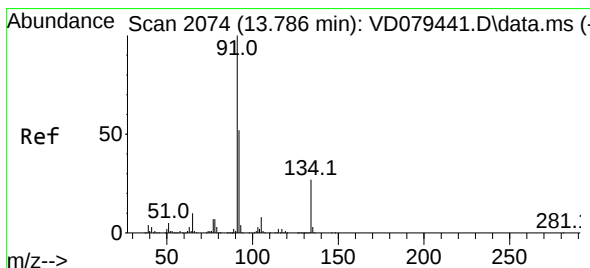
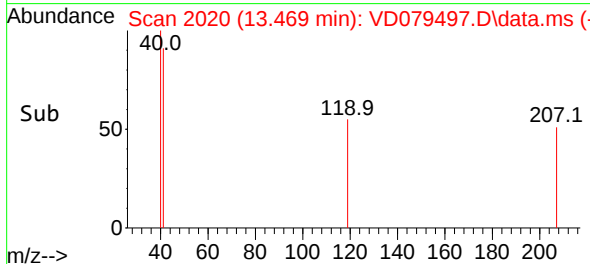
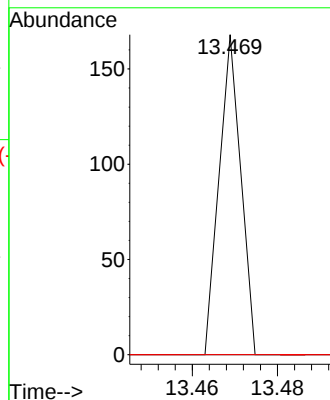
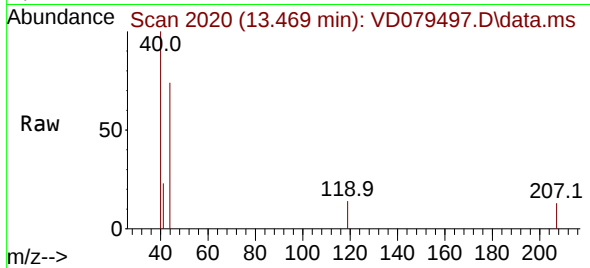




#86
 p-Isopropyltoluene
 Concen: 3.894 ug/l
 RT: 13.469 min Scan# 2018
 Delta R.T. 0.012 min
 Lab File: VD079497.D
 Acq: 31 Jul 2024 15:28

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

Tgt Ion:	119	Resp:	59
Ion	Ratio	Lower	Upper
119	100		
134	0.0	13.7	41.1#
91	0.0	10.7	32.1#



#89
 n-Butylbenzene
 Concen: 3.797 ug/l
 RT: 13.792 min Scan# 2075
 Delta R.T. 0.011 min
 Lab File: VD079497.D
 Acq: 31 Jul 2024 15:28

Tgt Ion:	91	Resp:	113
Ion	Ratio	Lower	Upper
91	100		
92	0.0	25.7	77.0#
134	0.0	13.6	40.8#

