

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD080724\
 Data File : VD079641.D
 Acq On : 07 Aug 2024 15:20
 Operator : RP/MD
 Sample : P3393-01
 Misc : 6.13G/5.0ml/MSVOA_D/SOILA
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 08 01:51:08 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	186297	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	359230	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	289905	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	92449	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	112675	59.534	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 119.060%	
35) Dibromofluoromethane	7.805	113	125024	51.420	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 102.840%	
50) Toluene-d8	10.269	98	458348	48.543	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 97.080%	
62) 4-Bromofluorobenzene	12.569	95	99490	36.412	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 72.820%	

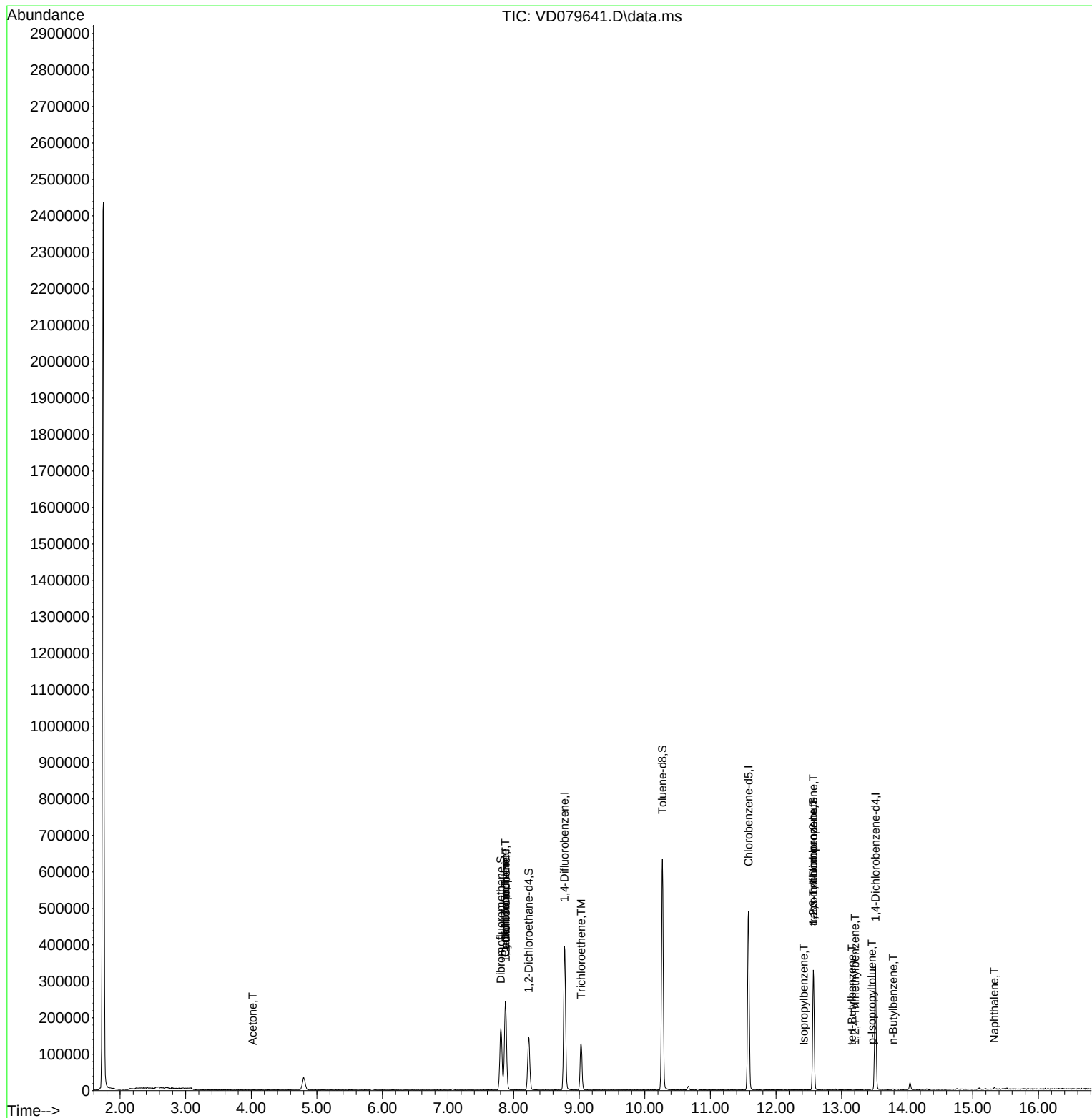
Target Compounds			Qvalue			
5) Bromomethane	2.693	94	1015	Below Cal	#	79
11) Tert butyl alcohol	5.011	59	61	Below Cal	#	86
16) Acetone	4.022	43	417	1.134	ug/l #	37
20) Methylene Chloride	4.793	84	26735	Below Cal	#	85
31) Cyclohexane	7.875	56	4484	1.427	ug/l #	33
36) 1,1-Dichloropropene	7.881	75	15586	4.696	ug/l #	46
38) Carbon Tetrachloride	7.875	117	19125	5.482	ug/l #	18
44) Trichloroethene	9.028	130	48953	18.656	ug/l	89
73) Isopropylbenzene	12.422	105	330	3.672	ug/l #	48
76) 1,2,3-Trichloropropane	12.569	75	50467	62.452	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.569	75	50467	119.112	ug/l #	19
83) tert-Butylbenzene	13.157	119	291	3.682	ug/l #	63
84) 1,2,4-Trimethylbenzene	13.204	105	846	3.564	ug/l	83
86) p-Isopropyltoluene	13.463	119	615	3.974	ug/l #	62
89) n-Butylbenzene	13.787	91	1248	3.975	ug/l	74
95) Naphthalene	15.328	128	3653	1.221	ug/l #	81

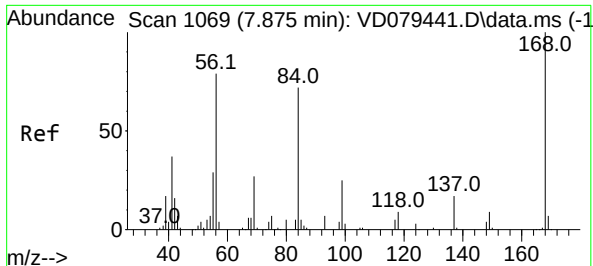
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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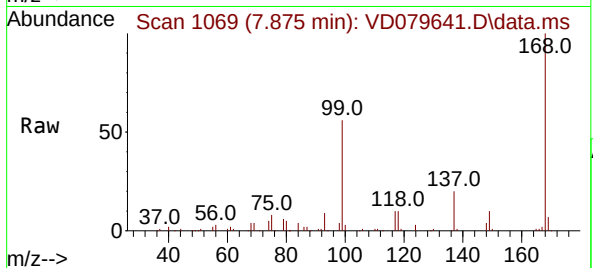
Quant Time: Aug 08 01:51:08 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D072924S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 30 03:50:47 2024
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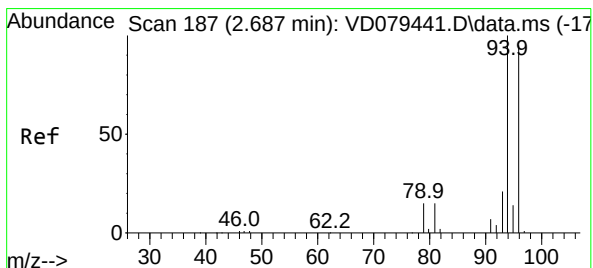
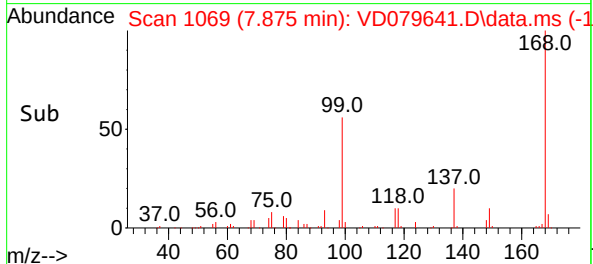
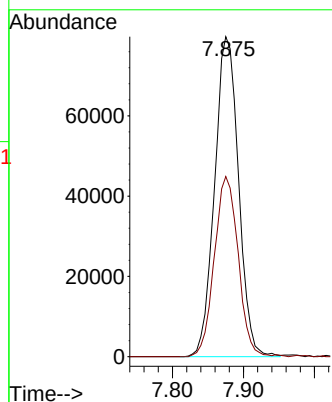


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD079641.D
Acq: 07 Aug 2024 15:20

Instrument :
MSVOA_D
ClientSampleId :

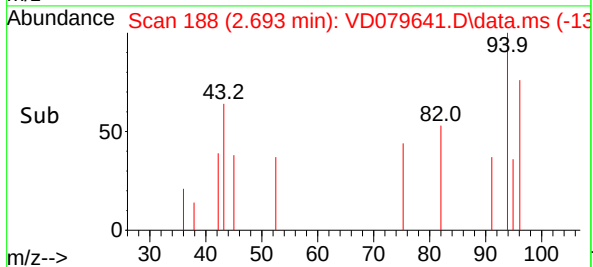
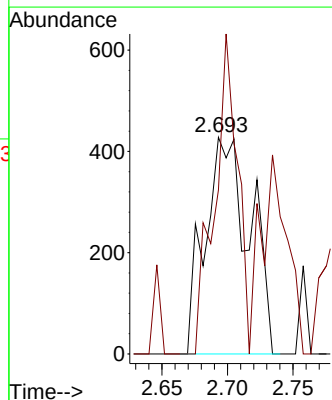
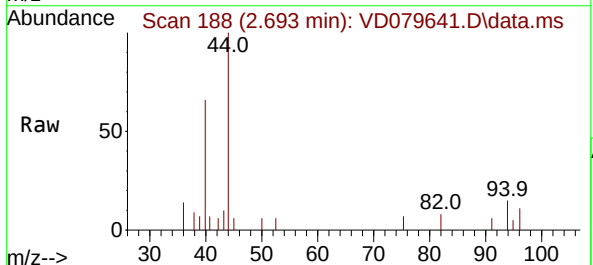


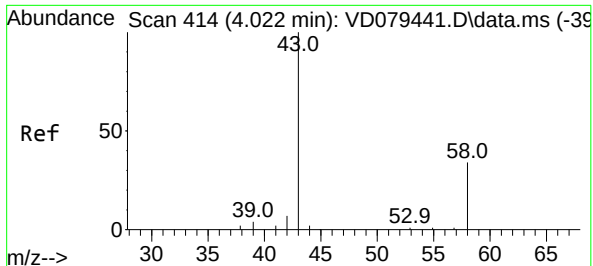
Tgt Ion:168 Resp: 186297
Ion Ratio Lower Upper
168 100
99 56.3 41.1 61.7



#5
Bromomethane
Concen: Below Cal
RT: 2.693 min Scan# 188
Delta R.T. 0.006 min
Lab File: VD079641.D
Acq: 07 Aug 2024 15:20

Tgt Ion: 94 Resp: 1015
Ion Ratio Lower Upper
94 100
96 76.0 76.9 115.3#

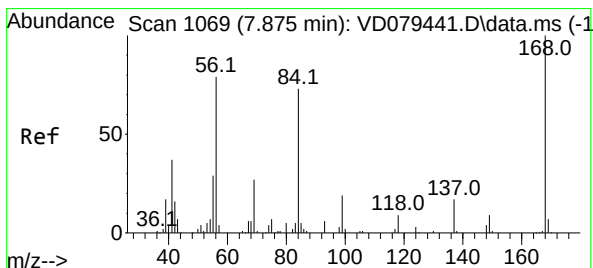
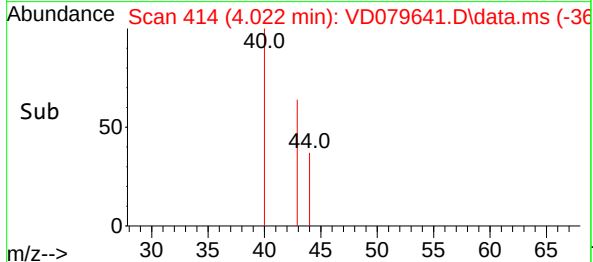
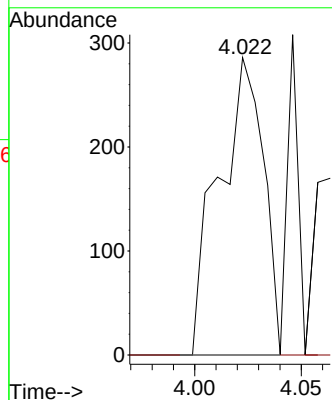
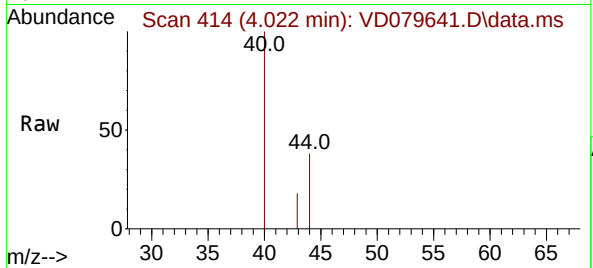




#16
Acetone
Concen: 1.134 ug/l
RT: 4.022 min Scan# 414
Delta R.T. 0.000 min
Lab File: VD079641.D
Acq: 07 Aug 2024 15:20

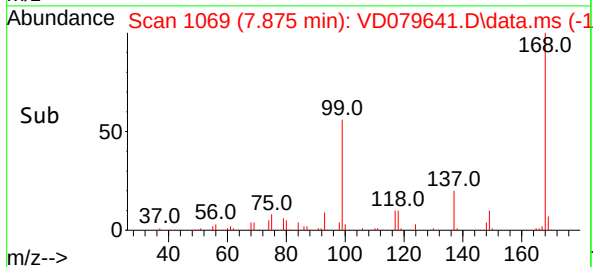
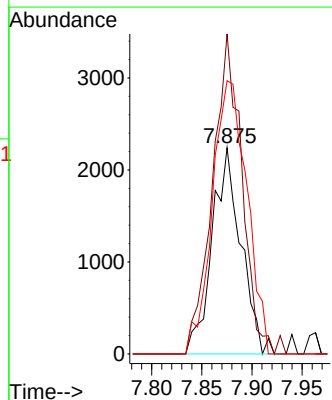
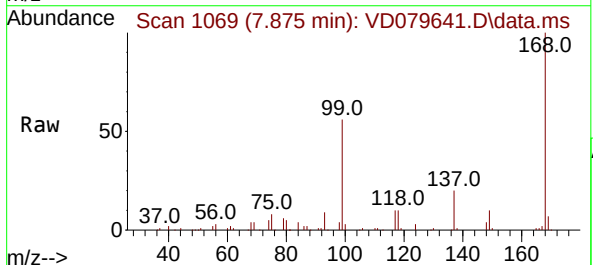
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MSVOA_D
ClientSampleId :

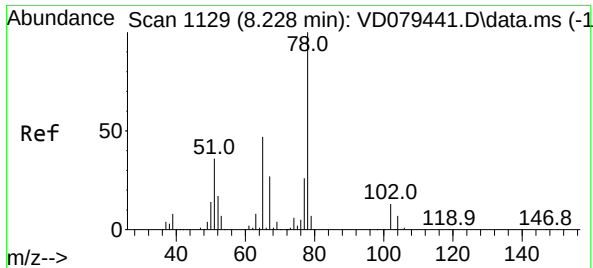
Tgt Ion: 43 Resp: 417
Ion Ratio Lower Upper
43 100
58 0.0 30.4 45.6#



#31
Cyclohexane
Concen: 1.427 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.006 min
Lab File: VD079641.D
Acq: 07 Aug 2024 15:20

Tgt Ion: 56 Resp: 4484
Ion Ratio Lower Upper
56 100
69 155.1 28.0 42.0#
84 132.5 87.4 131.0#

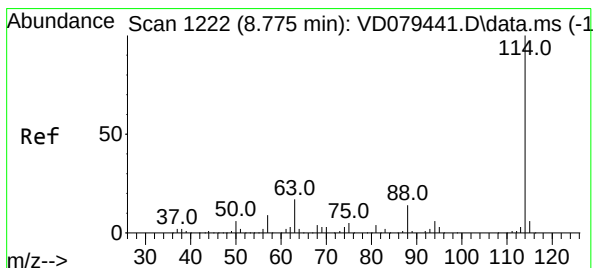
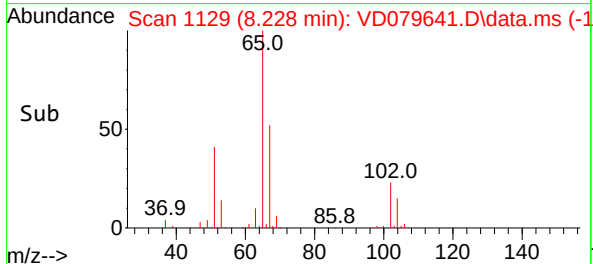
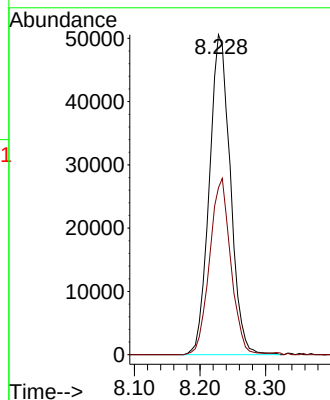
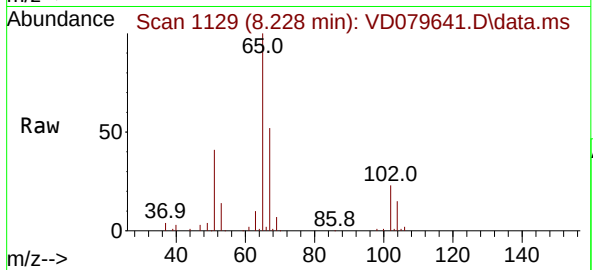




#33
 1,2-Dichloroethane-d4
 Concen: 59.534 ug/l
 RT: 8.228 min Scan# 1129
 Delta R.T. 0.000 min
 Lab File: VD079641.D
 Acq: 07 Aug 2024 15:20

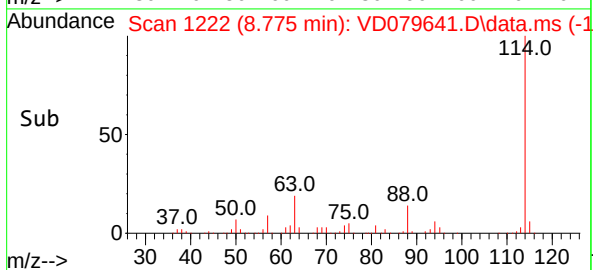
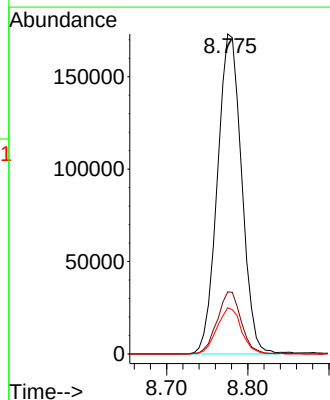
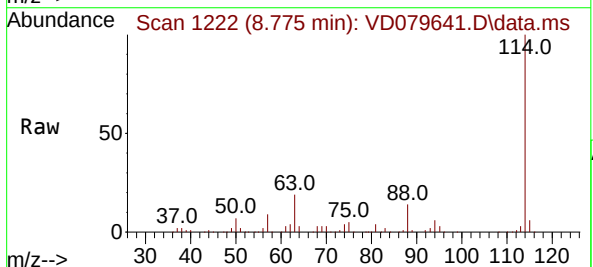
Instrument :
 MSVOA_D
 ClientSampleId :

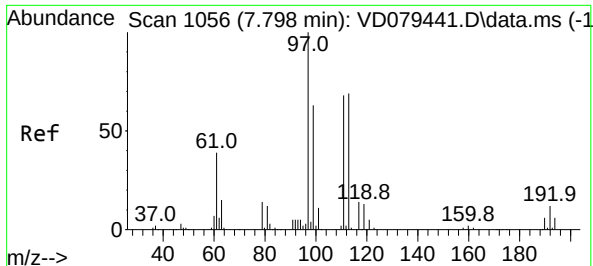
Tgt Ion: 65 Resp: 112675
 Ion Ratio Lower Upper
 65 100
 67 55.3 0.0 111.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.775 min Scan# 1222
 Delta R.T. 0.000 min
 Lab File: VD079641.D
 Acq: 07 Aug 2024 15:20

Tgt Ion: 114 Resp: 359230
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 34.0
 88 14.5 0.0 27.2





#35

Dibromofluoromethane

Concen: 51.420 ug/l

RT: 7.805 min Scan# 1070

Delta R.T. 0.000 min

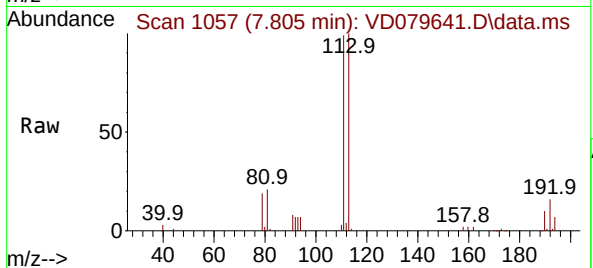
Lab File: VD079641.D

Acq: 07 Aug 2024 15:20

Instrument :

MSVOA_D

ClientSampleId :



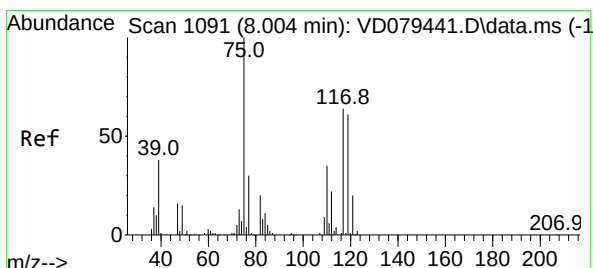
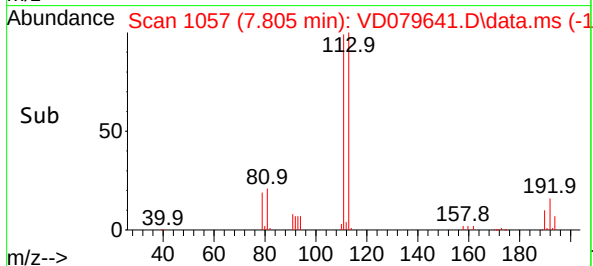
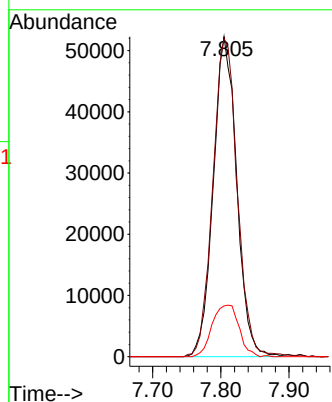
Tgt Ion:113 Resp: 125024

Ion Ratio Lower Upper

113 100

111 103.7 84.0 126.0

192 18.5 15.4 23.0



#36

1,1-Dichloropropene

Concen: 4.696 ug/l

RT: 7.881 min Scan# 1070

Delta R.T. -0.129 min

Lab File: VD079641.D

Acq: 07 Aug 2024 15:20

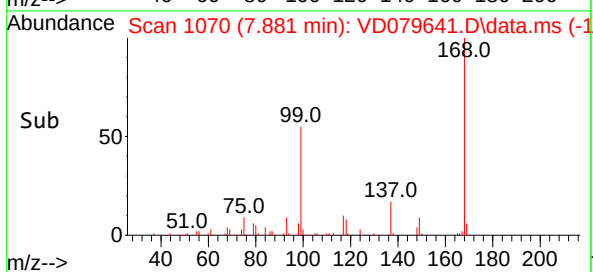
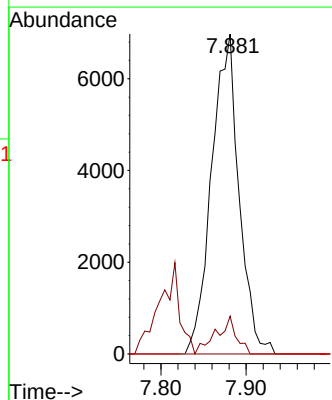
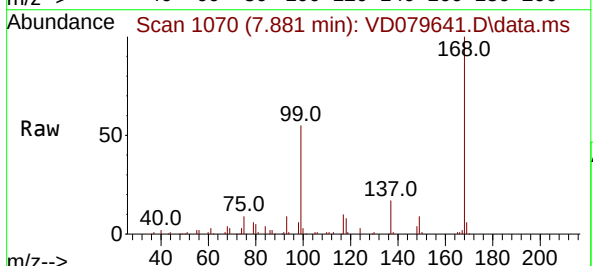
Tgt Ion: 75 Resp: 15586

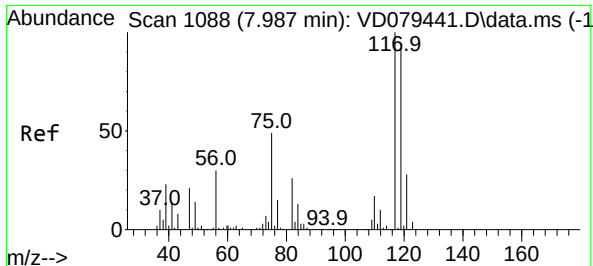
Ion Ratio Lower Upper

75 100

110 8.6 19.6 58.7#

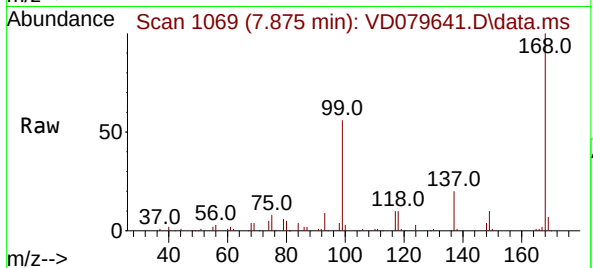
77 0.0 26.1 39.1#



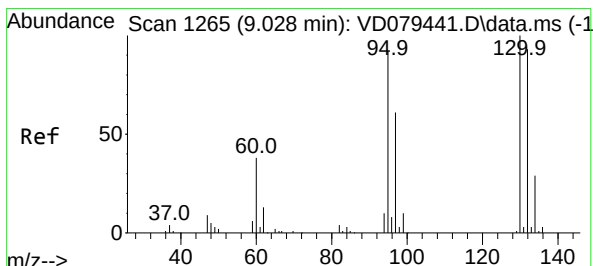
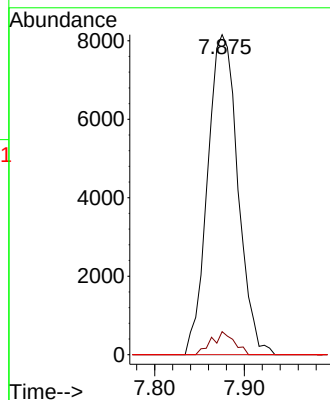
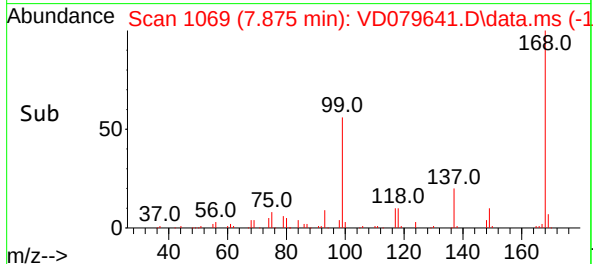


#38
Carbon Tetrachloride
Concen: 5.482 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.112 min
Lab File: VD079641.D
Acq: 07 Aug 2024 15:20

Instrument :
MSVOA_D
ClientSampleId :

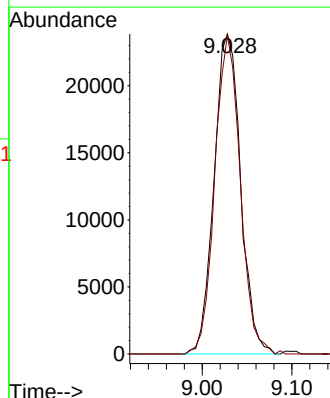
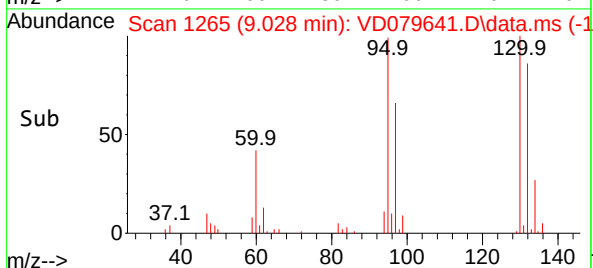
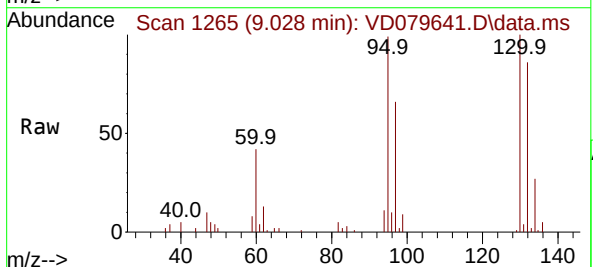


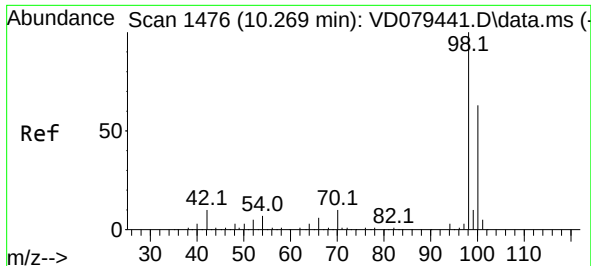
Tgt Ion:117 Resp: 19125
Ion Ratio Lower Upper
117 100
119 7.2 75.4 113.0#
121 0.0 25.0 37.4#



#44
Trichloroethene
Concen: 18.656 ug/l
RT: 9.028 min Scan# 1265
Delta R.T. 0.000 min
Lab File: VD079641.D
Acq: 07 Aug 2024 15:20

Tgt Ion:130 Resp: 48953
Ion Ratio Lower Upper
130 100
95 99.4 0.0 177.8

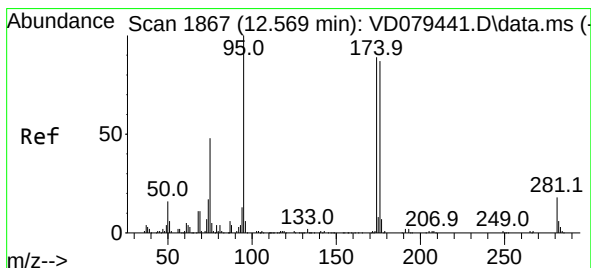
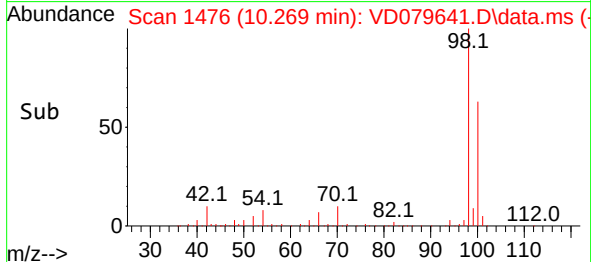
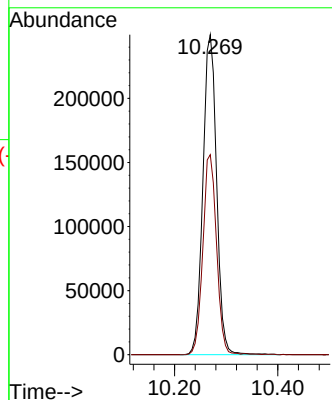
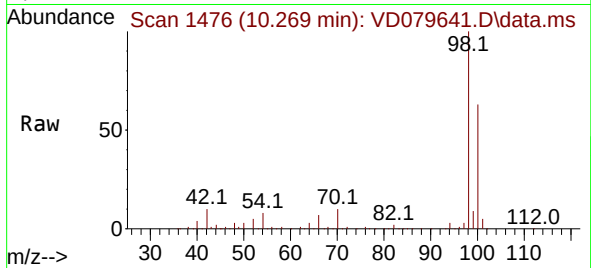




#50
Toluene-d8
Concen: 48.543 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.006 min
Lab File: VD079641.D
Acq: 07 Aug 2024 15:20

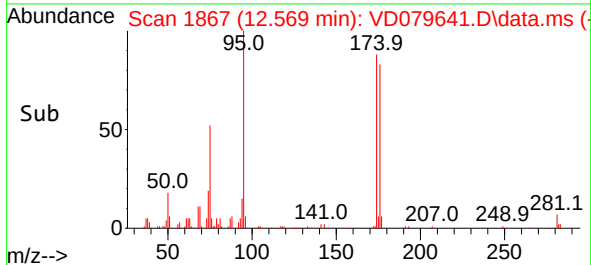
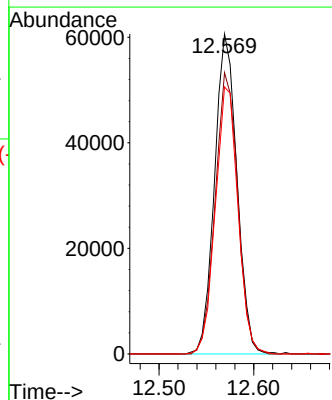
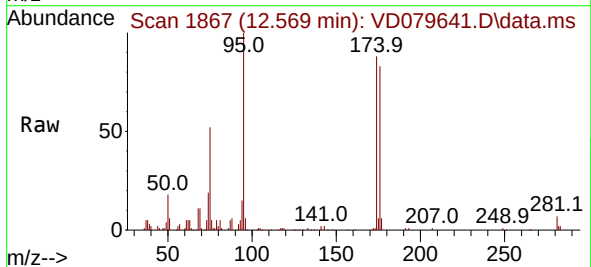
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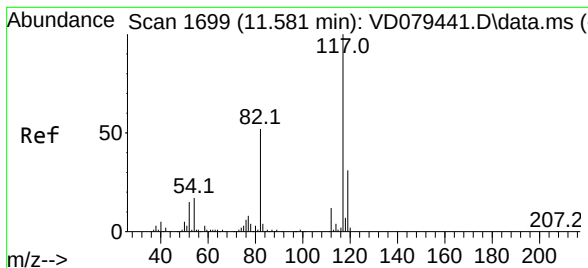
Tgt Ion: 98 Resp: 458348
Ion Ratio Lower Upper
98 100
100 62.5 51.6 77.4



#62
4-Bromofluorobenzene
Concen: 36.412 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. 0.000 min
Lab File: VD079641.D
Acq: 07 Aug 2024 15:20

Tgt Ion: 95 Resp: 99490
Ion Ratio Lower Upper
95 100
174 88.5 0.0 195.4
176 84.4 0.0 192.6

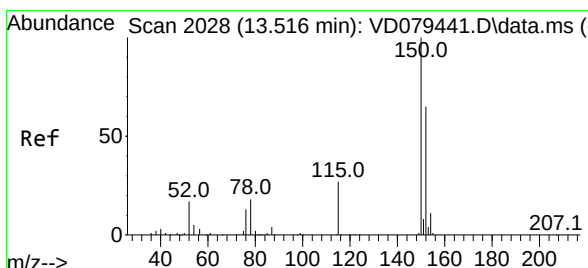
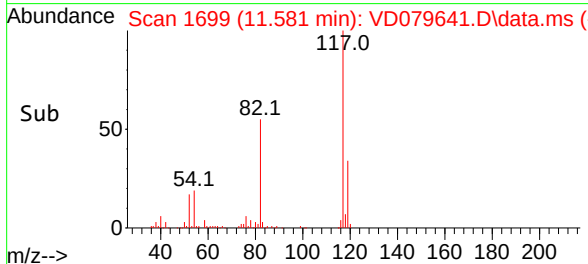
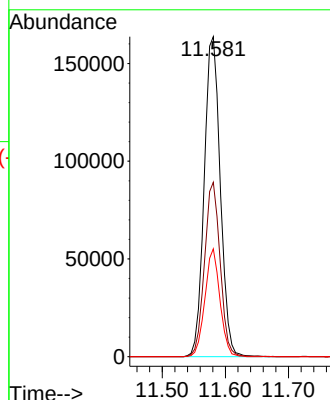
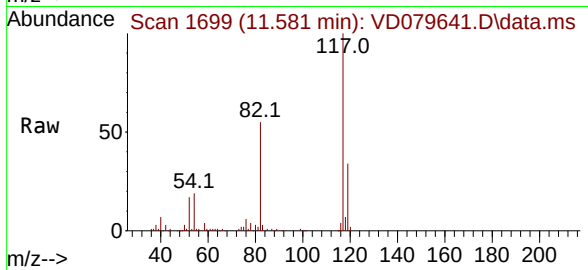




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD079641.D
Acq: 07 Aug 2024 15:20

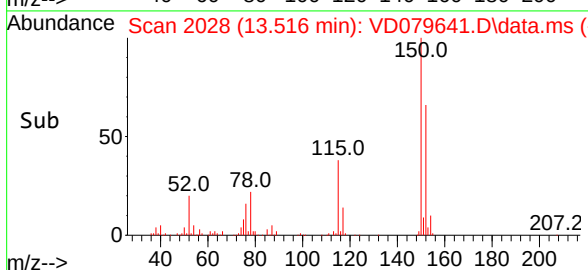
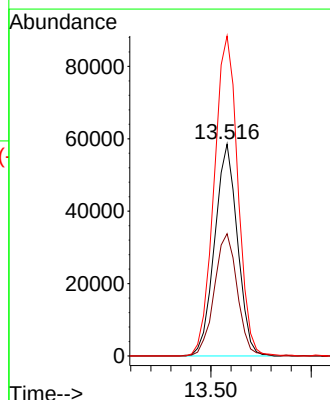
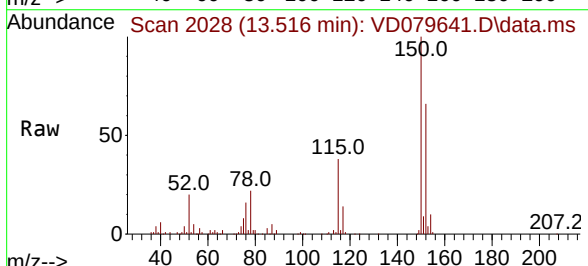
Instrument :
MSVOA_D
ClientSampleId :

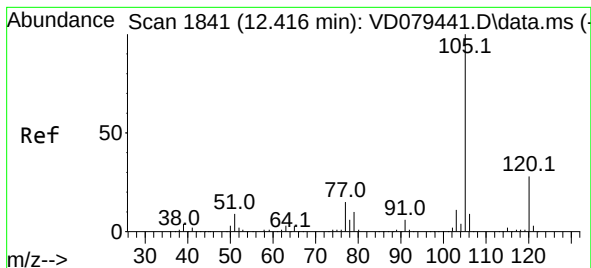
Tgt Ion	Ratio	Lower	Upper
117	100		
82	54.5	39.8	59.6
119	33.7	25.7	38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. 0.006 min
Lab File: VD079641.D
Acq: 07 Aug 2024 15:20

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.3	26.5	79.5
150	156.9	0.0	341.6





#73

Isopropylbenzene

Concen: 3.672 ug/l

RT: 12.422 min Scan# 1842

Delta R.T. 0.006 min

Lab File: VD079641.D

Acq: 07 Aug 2024 15:20

Instrument :

MSVOA_D

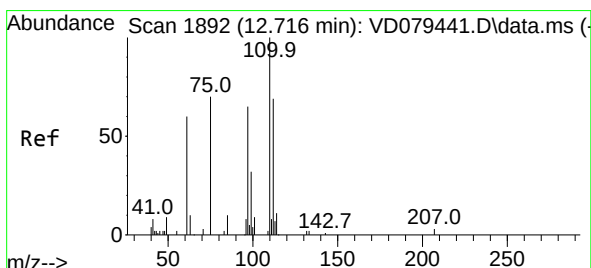
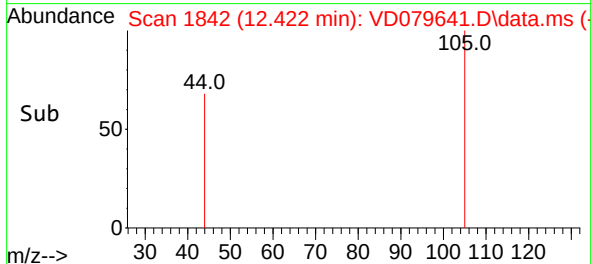
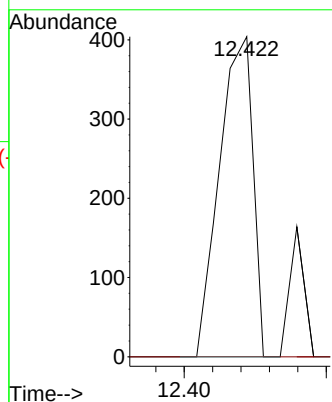
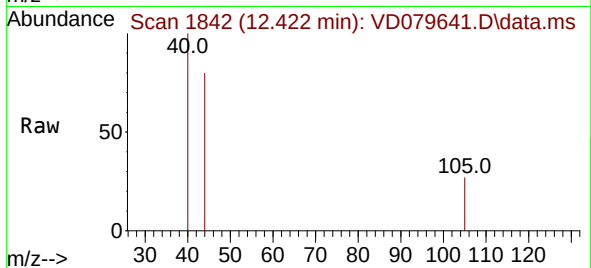
ClientSampleId :

Tgt Ion:105 Resp: 330

Ion Ratio Lower Upper

105 100

120 0.0 13.6 40.7#



#76

1,2,3-Trichloropropane

Concen: 62.452 ug/l

RT: 12.569 min Scan# 1867

Delta R.T. -0.153 min

Lab File: VD079641.D

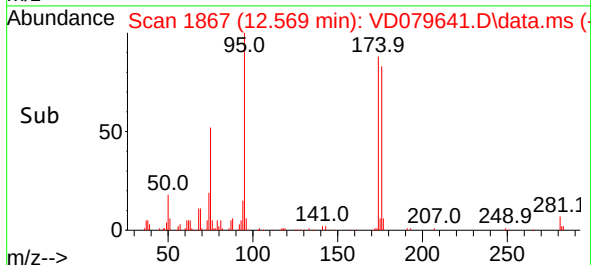
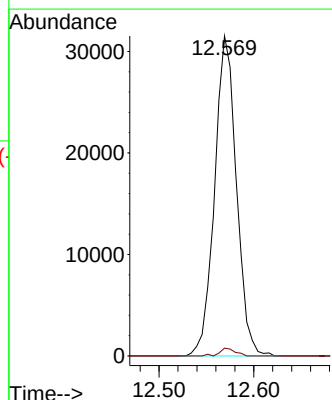
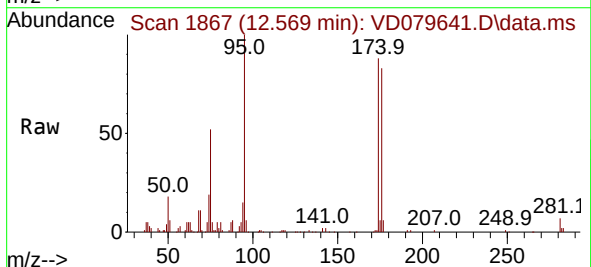
Acq: 07 Aug 2024 15:20

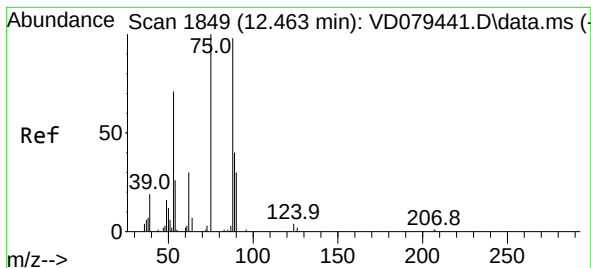
Tgt Ion: 75 Resp: 50467

Ion Ratio Lower Upper

75 100

77 1.8 0.0 0.0#

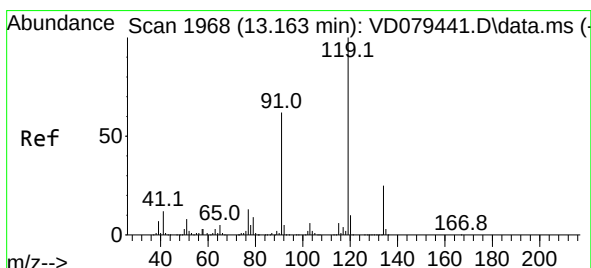
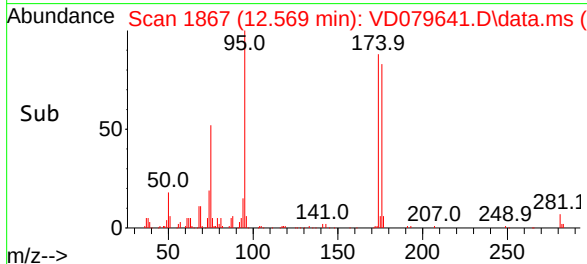
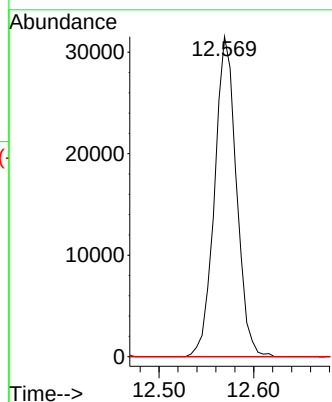
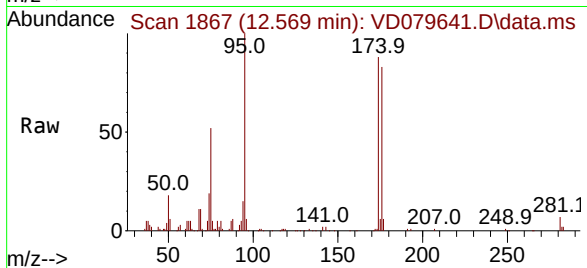




#81
 trans-1,4-Dichloro-2-butene
 Concen: 119.112 ug/l
 RT: 12.569 min Scan# 1849
 Delta R.T. 0.100 min
 Lab File: VD079641.D
 Acq: 07 Aug 2024 15:20

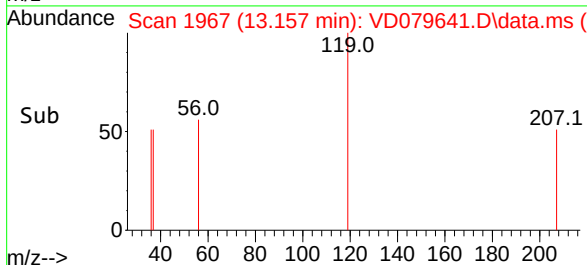
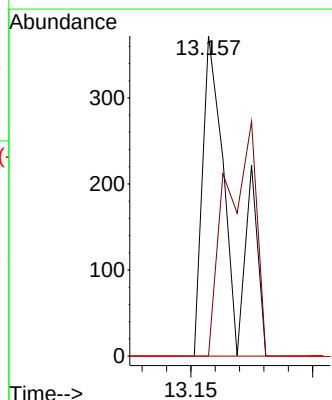
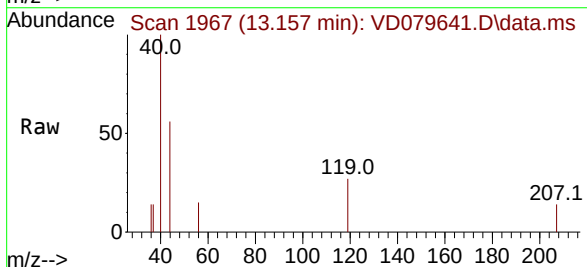
Instrument :
 MSVOA_D
 ClientSampleId :

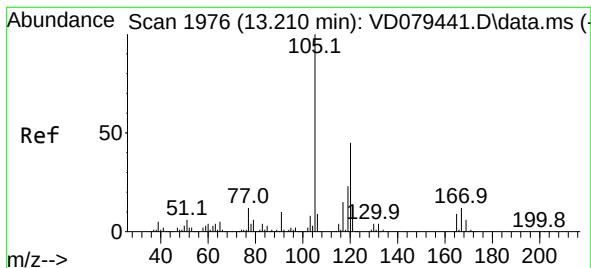
Tgt Ion: 75 Resp: 50467
 Ion Ratio Lower Upper
 75 100
 53 0.0 61.4 92.2#
 89 0.0 35.4 53.0#



#83
 tert-Butylbenzene
 Concen: 3.682 ug/l
 RT: 13.157 min Scan# 1967
 Delta R.T. -0.006 min
 Lab File: VD079641.D
 Acq: 07 Aug 2024 15:20

Tgt Ion: 119 Resp: 291
 Ion Ratio Lower Upper
 119 100
 91 79.0 28.2 84.7
 134 0.0 13.4 40.1#





#84

1,2,4-Trimethylbenzene

Concen: 3.564 ug/l

RT: 13.204 min Scan# 1975

Delta R.T. 0.000 min

Lab File: VD079641.D

Acq: 07 Aug 2024 15:20

Instrument :

MSVOA_D

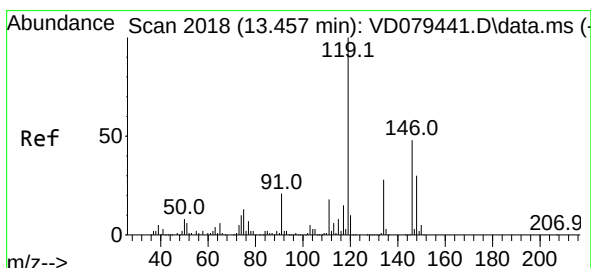
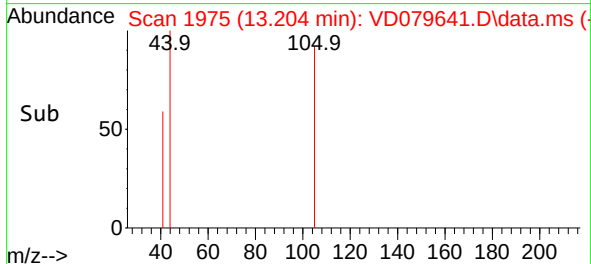
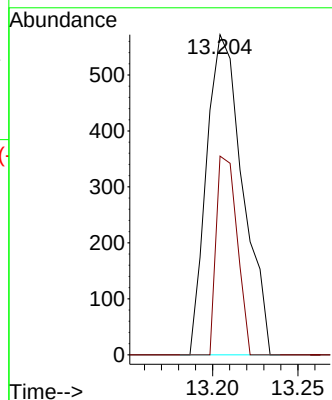
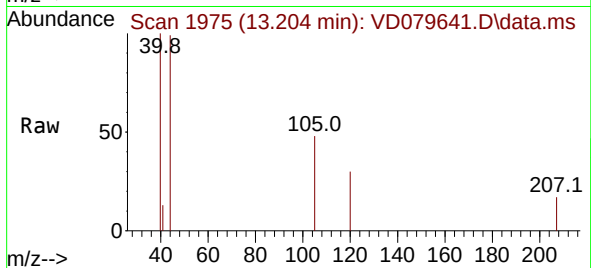
ClientSampleId :

Tgt Ion:105 Resp: 846

Ion Ratio Lower Upper

105 100

120 35.6 23.6 71.0



#86

p-Isopropyltoluene

Concen: 3.974 ug/l

RT: 13.463 min Scan# 2019

Delta R.T. 0.006 min

Lab File: VD079641.D

Acq: 07 Aug 2024 15:20

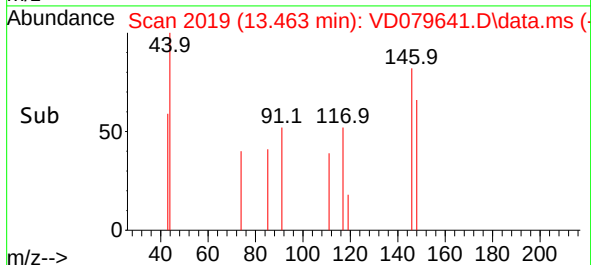
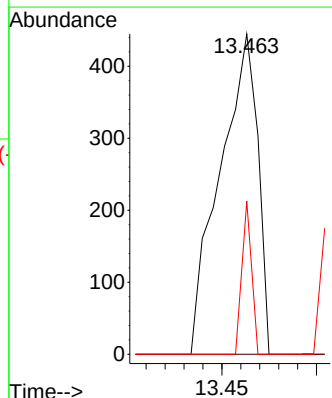
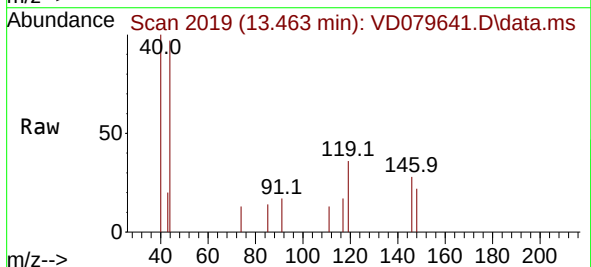
Tgt Ion:119 Resp: 615

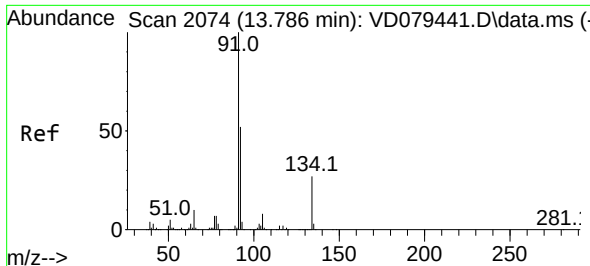
Ion Ratio Lower Upper

119 100

134 0.0 13.7 41.1#

91 12.2 10.7 32.1

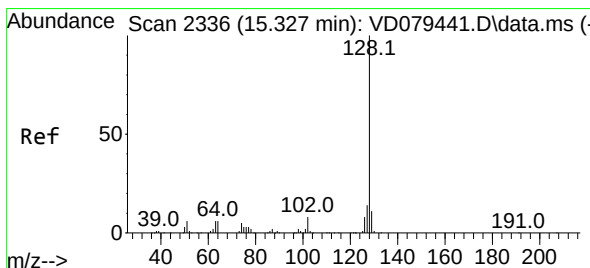
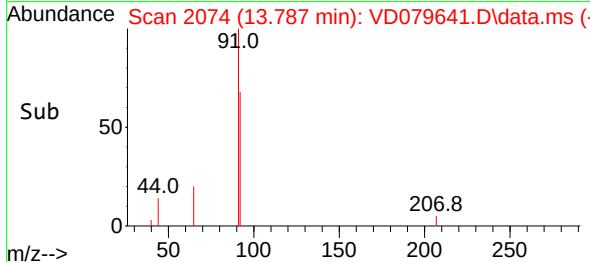
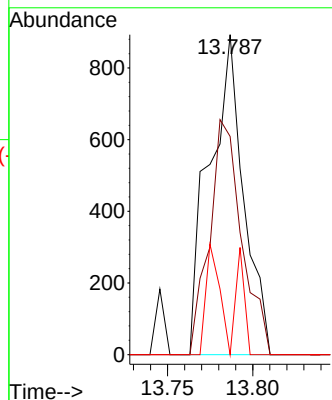
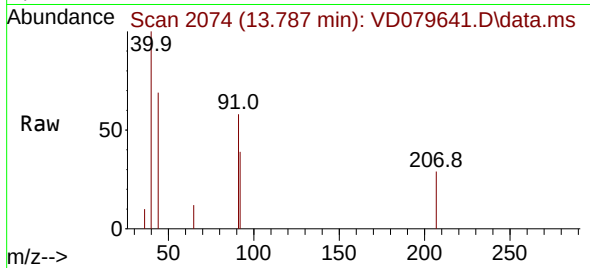




#89
n-Butylbenzene
Concen: 3.975 ug/l
RT: 13.787 min Scan# 2074
Delta R.T. 0.006 min
Lab File: VD079641.D
Acq: 07 Aug 2024 15:20

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 91	Resp: 1248
Ion Ratio	Lower Upper
91	100
92	69.2 25.7 77.0
134	13.9 13.6 40.8



#95
Naphthalene
Concen: 1.221 ug/l
RT: 15.328 min Scan# 2336
Delta R.T. -0.000 min
Lab File: VD079641.D
Acq: 07 Aug 2024 15:20

Tgt Ion: 128	Resp: 3653
Ion Ratio	Lower Upper
128	100
127	16.6 10.2 15.4#
129	22.0 8.5 12.7#

