

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD090524\
 Data File : VD079786.D
 Acq On : 05 Sep 2024 15:35
 Operator : RP/MD
 Sample : P3839-09
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL/A
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Sep 06 01:38:00 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D083024S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 30 15:57:30 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

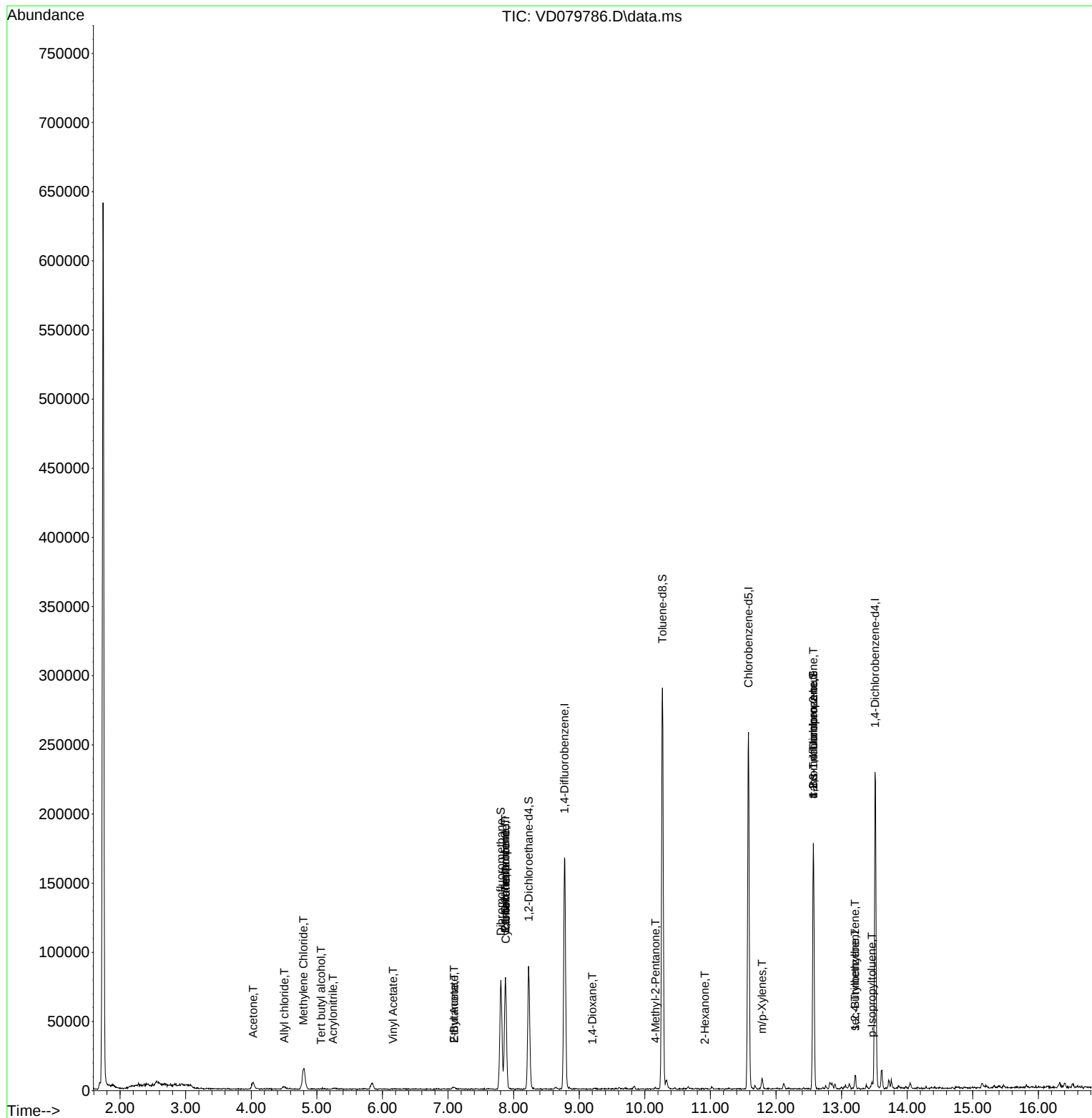
Internal Standards						
1) Pentafluorobenzene	7.875	168	54603	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.775	114	143735	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	141778	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.510	152	57907	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	66126	88.819	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 177.640%#			
35) Dibromofluoromethane	7.805	113	54896	58.758	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 117.520%			
50) Toluene-d8	10.269	98	207896	51.885	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 103.760%			
62) 4-Bromofluorobenzene	12.569	95	55068	49.118	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 98.240%			
Target Compounds						Qvalue
11) Tert butyl alcohol	5.064	59	339	9.233	ug/l	# 86
14) Allyl chloride	4.505	41	3098	2.880	ug/l	# 30
15) Acrylonitrile	5.246	53	275	1.548	ug/l	# 79
16) Acetone	4.028	43	8514	55.107	ug/l	89
20) Methylene Chloride	4.793	84	11603	10.436	ug/l	# 89
23) Vinyl Acetate	6.164	43	231	2.704	ug/l	# 63
25) 2-Butanone	7.093	43	2405	11.668	ug/l	# 71
31) Cyclohexane	7.881	56	1600	1.286	ug/l	# 49
36) 1,1-Dichloropropene	7.875	75	5222	3.771	ug/l	# 43
37) Ethyl Acetate	7.093	43	2405	3.930	ug/l	# 64
38) Carbon Tetrachloride	7.875	117	6591	4.463	ug/l	# 13
49) 1,4-Dioxane	9.199	88	68	11.477	ug/l	# 33
51) 4-Methyl-2-Pentanone	10.163	43	732	1.228	ug/l	# 68
58) 2-Chloroethyl Vinyl ether	10.075	63	57	Below Cal	#	42
59) 2-Hexanone	10.916	43	335	20.901	ug/l	85
68) m/p-Xylenes	11.787	106	2628	1.235	ug/l	92
76) 1,2,3-Trichloropropane	12.569	75	29818	60.247	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.569	75	29818	100.486	ug/l	# 19
84) 1,2,4-Trimethylbenzene	13.204	105	5504	1.557	ug/l	96
85) sec-Butylbenzene	13.204	105	5504	1.264	ug/l	# 56
86) p-Isopropyltoluene	13.463	119	2162	4.224	ug/l	90

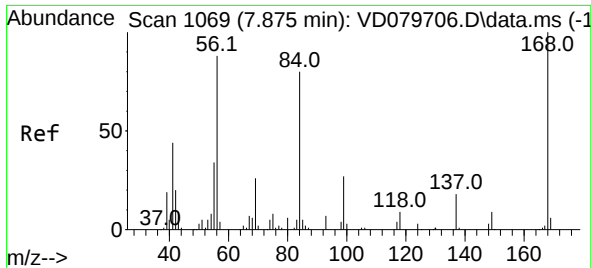
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_D
ClientSampleId :

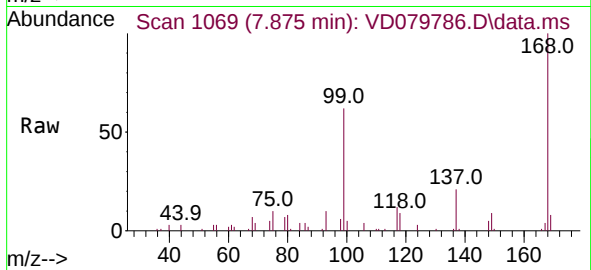
Quant Time: Sep 06 01:38:00 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D083024S.M
Quant Title : SW846 8260
QLast Update : Fri Aug 30 15:57:30 2024
Response via : Initial Calibration



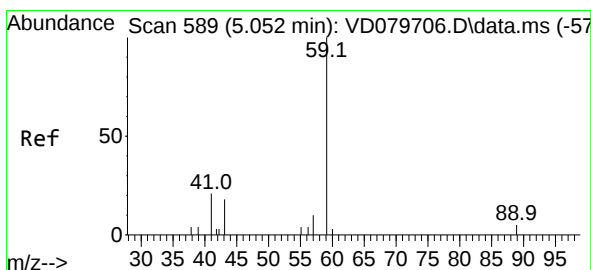
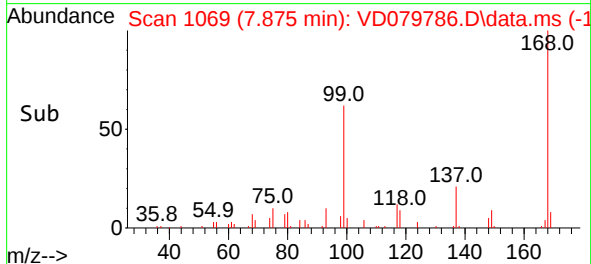
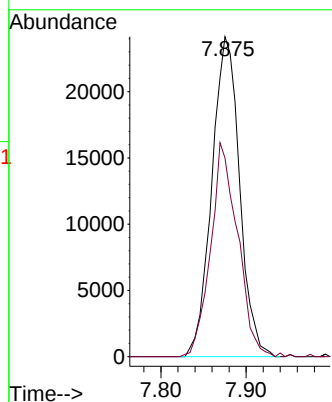


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD079786.D
Acq: 05 Sep 2024 15:35

Instrument :
MSVOA_D
ClientSampleId :

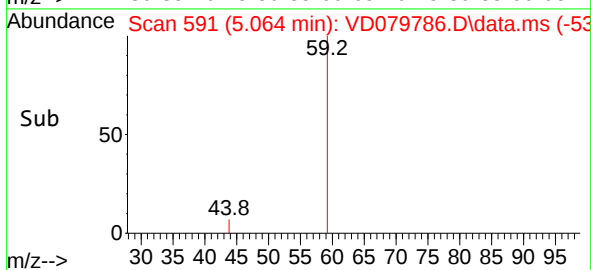
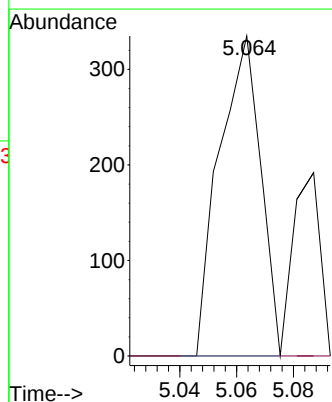
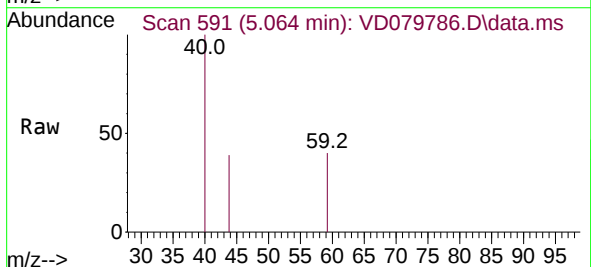


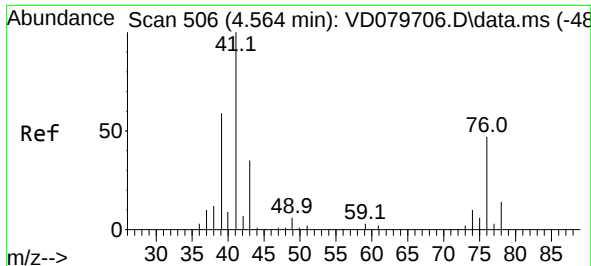
Tgt Ion:168 Resp: 54603
Ion Ratio Lower Upper
168 100
99 62.0 41.1 61.7#



#11
Tert butyl alcohol
Concen: 9.233 ug/l
RT: 5.064 min Scan# 591
Delta R.T. 0.012 min
Lab File: VD079786.D
Acq: 05 Sep 2024 15:35

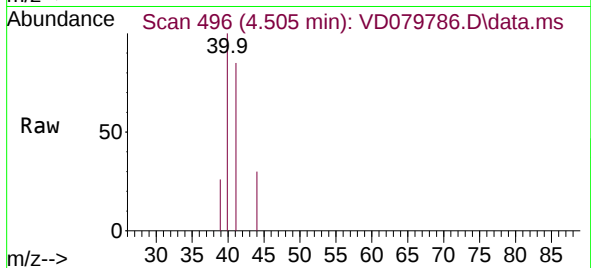
Tgt Ion: 59 Resp: 339
Ion Ratio Lower Upper
59 100
57 0.0 3.6 5.4#



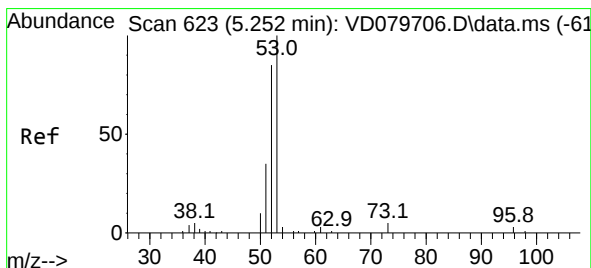
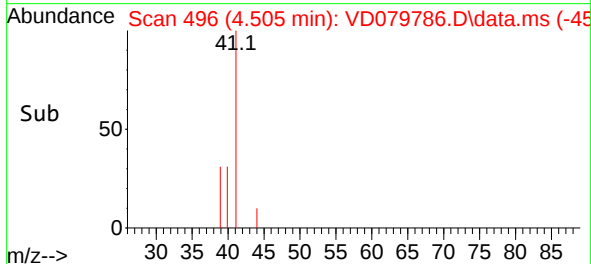
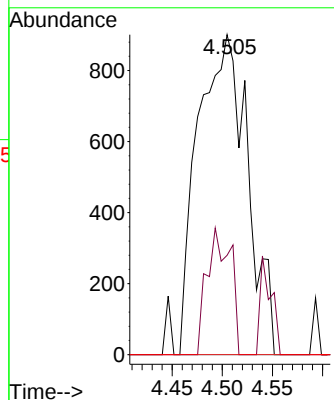


#14
 Allyl chloride
 Concen: 2.880 ug/l
 RT: 4.505 min Scan# 496
 Delta R.T. -0.059 min
 Lab File: VD079786.D
 Acq: 05 Sep 2024 15:35

Instrument :
 MSVOA_D
 ClientSampleId :

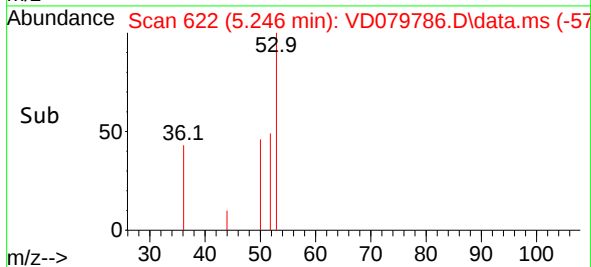
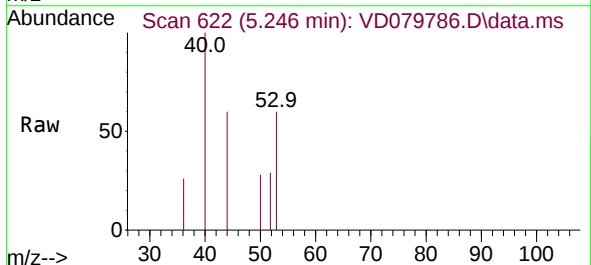
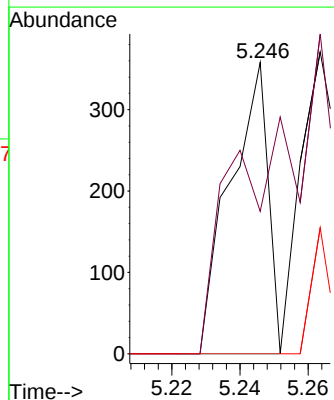


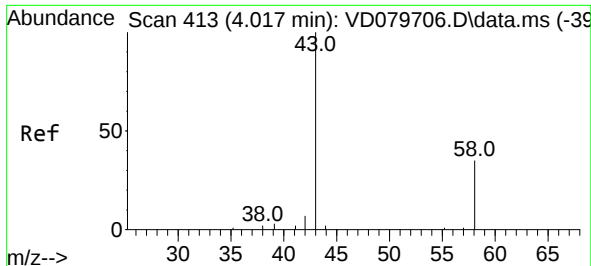
Tgt Ion: 41 Resp: 3098
 Ion Ratio Lower Upper
 41 100
 39 18.9 58.0 87.0#
 76 0.0 45.9 68.9#



#15
 Acrylonitrile
 Concen: 1.548 ug/l
 RT: 5.246 min Scan# 622
 Delta R.T. -0.006 min
 Lab File: VD079786.D
 Acq: 05 Sep 2024 15:35

Tgt Ion: 53 Resp: 275
 Ion Ratio Lower Upper
 53 100
 52 81.5 67.7 101.5
 51 0.0 28.6 42.8#





#16

Acetone

Concen: 55.107 ug/l

RT: 4.028 min Scan# 41

Delta R.T. 0.011 min

Lab File: VD079786.D

Acq: 05 Sep 2024 15:35

Instrument :

MSVOA_D

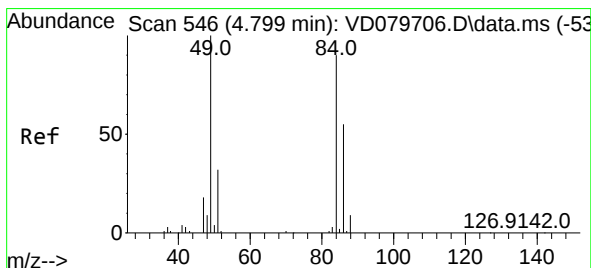
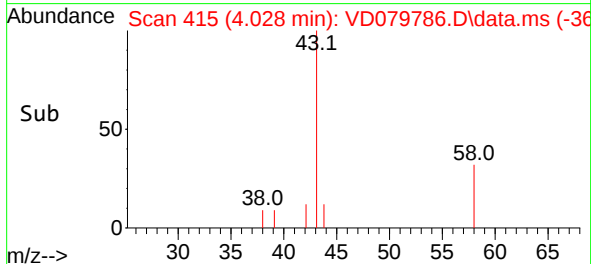
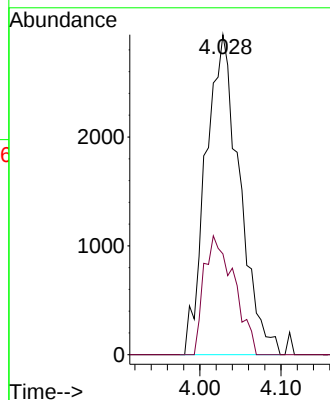
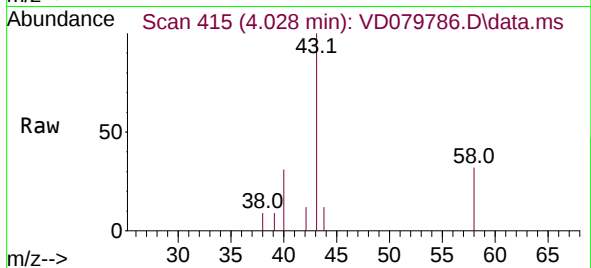
ClientSampleId :

Tgt Ion: 43 Resp: 8514

Ion Ratio Lower Upper

43 100

58 31.5 30.4 45.6



#20

Methylene Chloride

Concen: 10.436 ug/l

RT: 4.793 min Scan# 545

Delta R.T. -0.006 min

Lab File: VD079786.D

Acq: 05 Sep 2024 15:35

Tgt Ion: 84 Resp: 11603

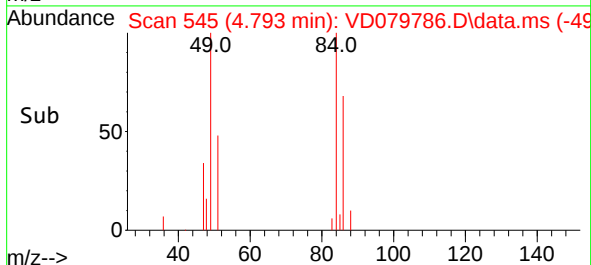
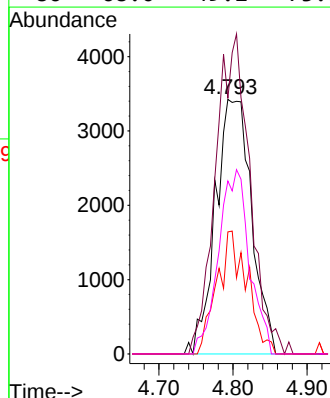
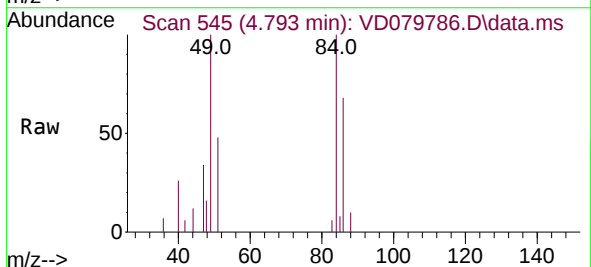
Ion Ratio Lower Upper

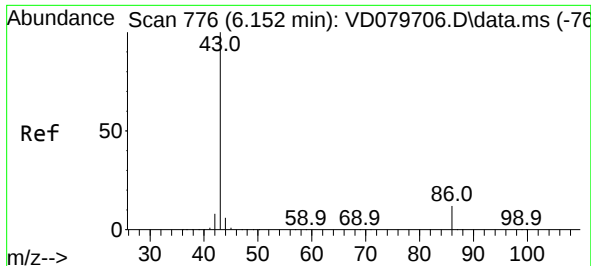
84 100

49 100.4 75.6 113.4

51 48.0 24.2 36.2#

86 68.0 49.2 73.8

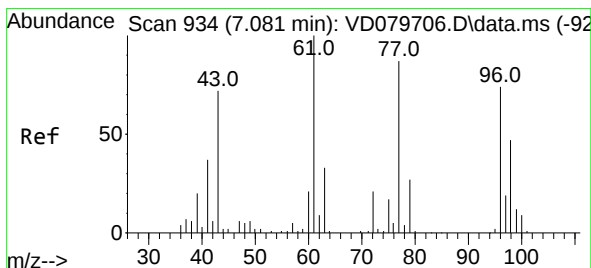
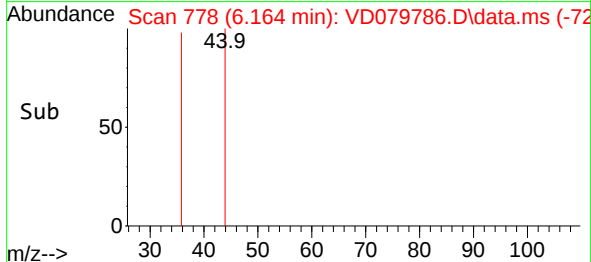
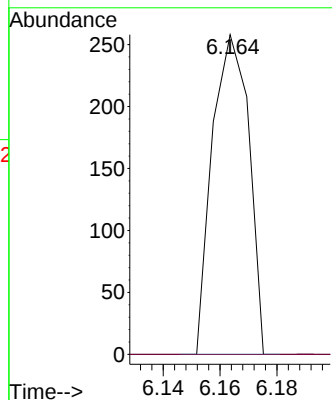
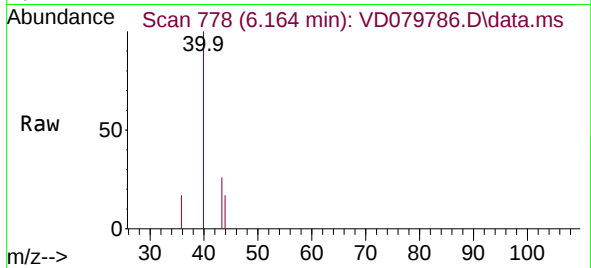




#23
 Vinyl Acetate
 Concen: 2.704 ug/l
 RT: 6.164 min Scan# 71
 Delta R.T. 0.011 min
 Lab File: VD079786.D
 Acq: 05 Sep 2024 15:35

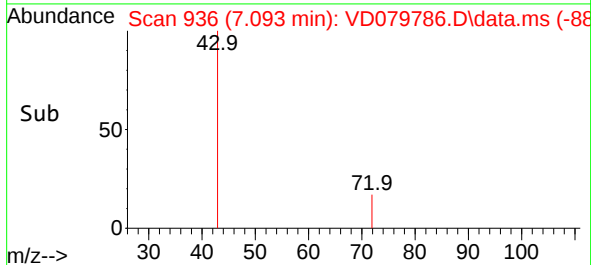
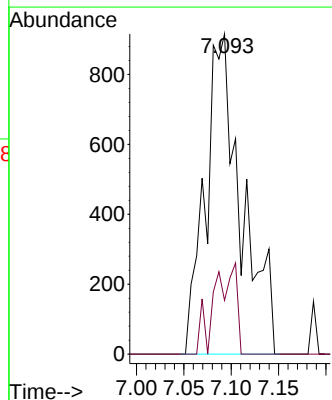
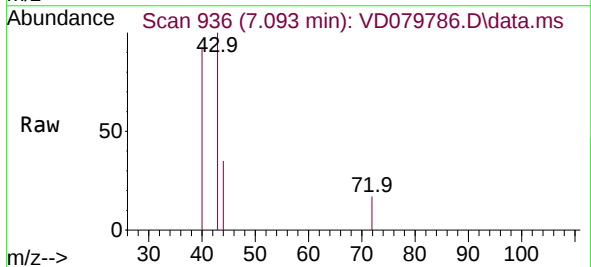
Instrument :
 MSVOA_D
 ClientSampleId :

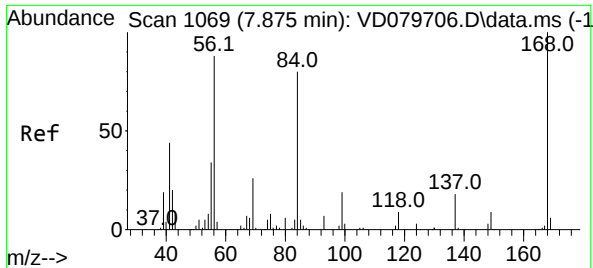
Tgt Ion: 43 Resp: 231
 Ion Ratio Lower Upper
 43 100
 86 0.0 12.3 18.5#



#25
 2-Butanone
 Concen: 11.668 ug/l
 RT: 7.093 min Scan# 936
 Delta R.T. 0.012 min
 Lab File: VD079786.D
 Acq: 05 Sep 2024 15:35

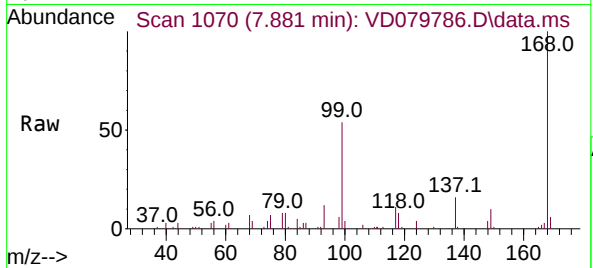
Tgt Ion: 43 Resp: 2405
 Ion Ratio Lower Upper
 43 100
 72 16.8 26.4 39.6#



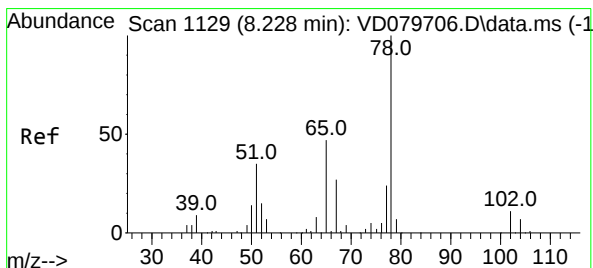
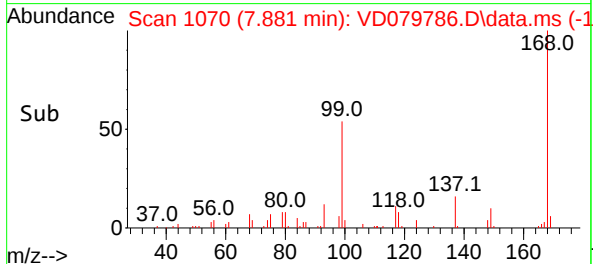
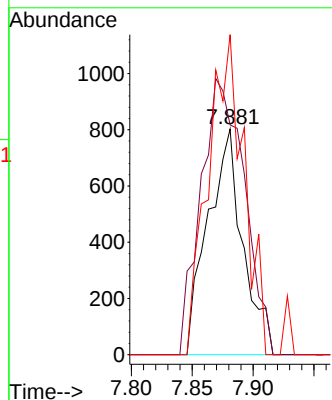


#31
Cyclohexane
Concen: 1.286 ug/l
RT: 7.881 min Scan# 1069
Delta R.T. 0.006 min
Lab File: VD079786.D
Acq: 05 Sep 2024 15:35

Instrument :
MSVOA_D
ClientSampleId :

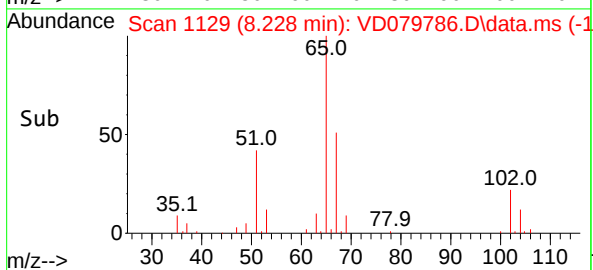
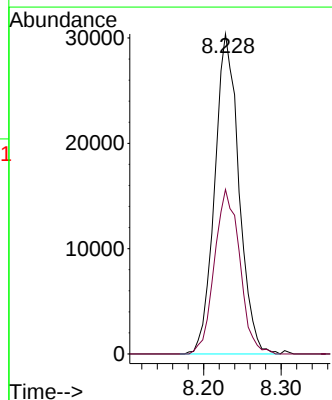
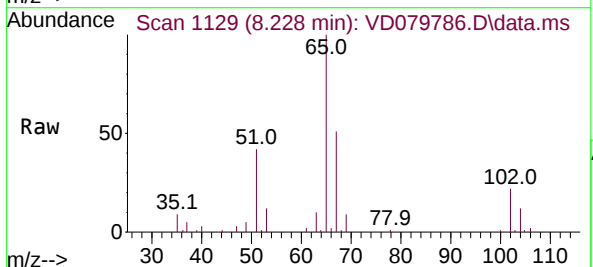


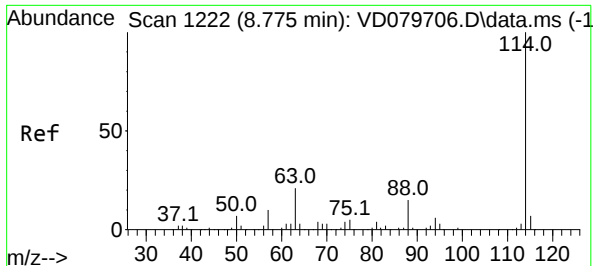
Tgt Ion: 56 Resp: 1600
Ion Ratio Lower Upper
56 100
69 101.7 28.0 42.0#
84 141.7 87.4 131.0#



#33
1,2-Dichloroethane-d4
Concen: 88.819 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. 0.000 min
Lab File: VD079786.D
Acq: 05 Sep 2024 15:35

Tgt Ion: 65 Resp: 66126
Ion Ratio Lower Upper
65 100
67 53.7 0.0 111.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 11

Delta R.T. -0.000 min

Lab File: VD079786.D

Acq: 05 Sep 2024 15:35

Instrument :

MSVOA_D

ClientSampleId :

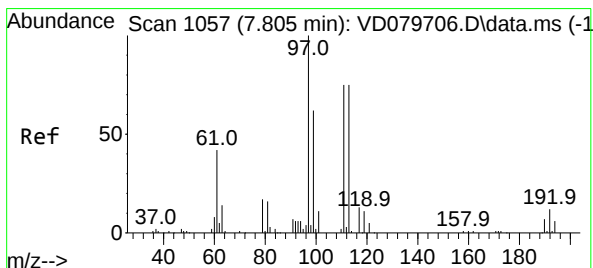
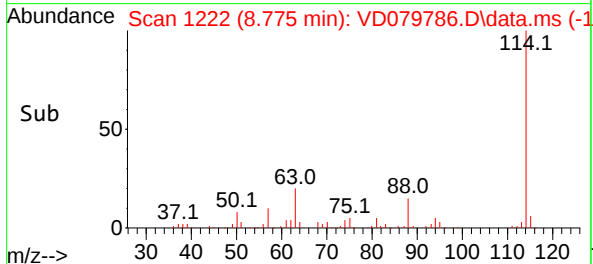
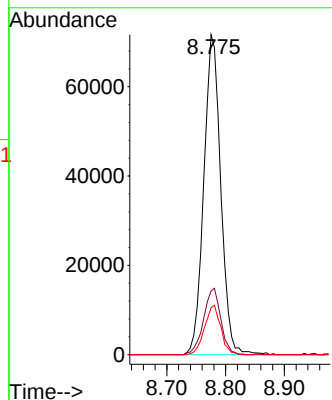
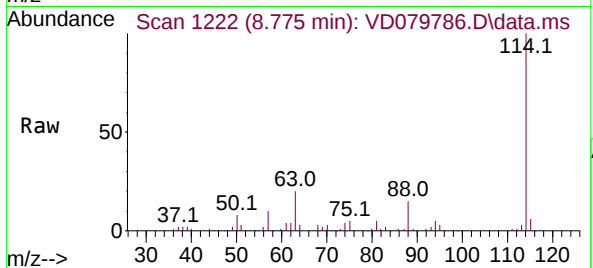
Tgt Ion:114 Resp: 143735

Ion Ratio Lower Upper

114 100

63 19.9 0.0 34.0

88 14.7 0.0 27.2



#35

Dibromofluoromethane

Concen: 58.758 ug/l

RT: 7.805 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VD079786.D

Acq: 05 Sep 2024 15:35

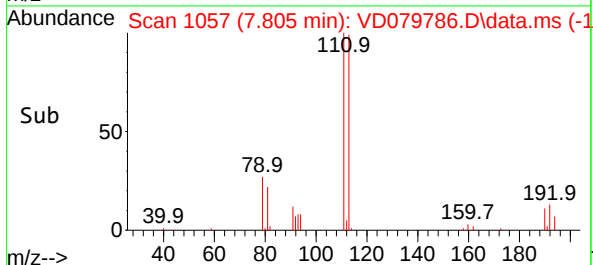
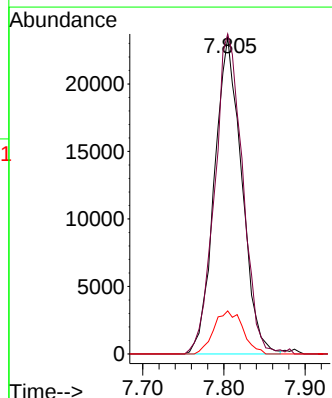
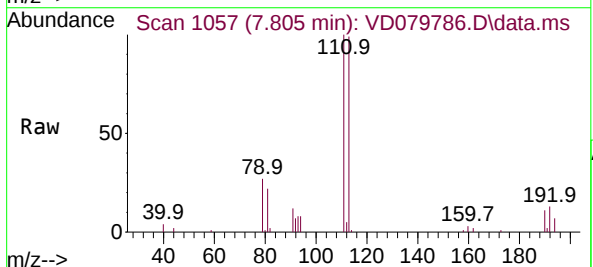
Tgt Ion:113 Resp: 54896

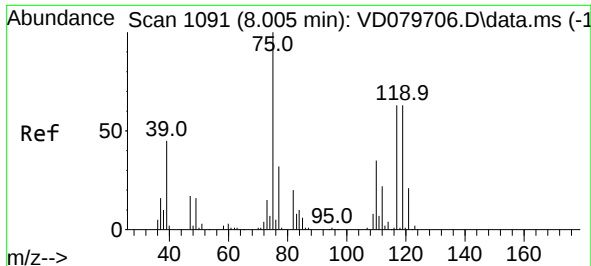
Ion Ratio Lower Upper

113 100

111 103.3 84.0 126.0

192 14.4 15.4 23.0#





#36

1,1-Dichloropropene

Concen: 3.771 ug/l

RT: 7.875 min Scan# 1091

Delta R.T. -0.129 min

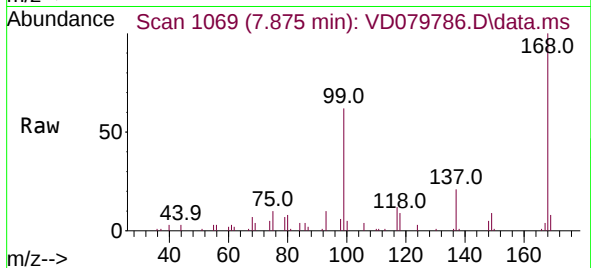
Lab File: VD079786.D

Acq: 05 Sep 2024 15:35

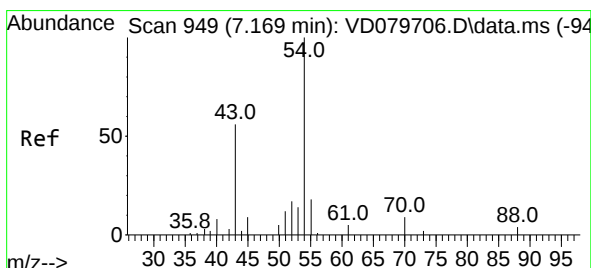
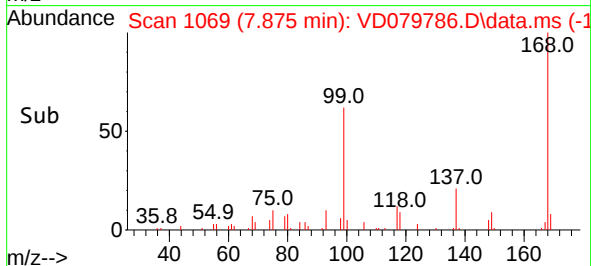
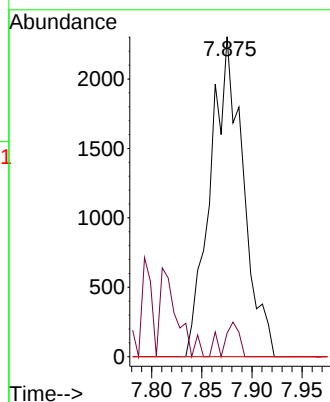
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion:	75	Resp:	5222
Ion	Ratio	Lower	Upper
75	100		
110	5.2	19.6	58.7#
77	0.0	26.1	39.1#



#37

Ethyl Acetate

Concen: 3.930 ug/l

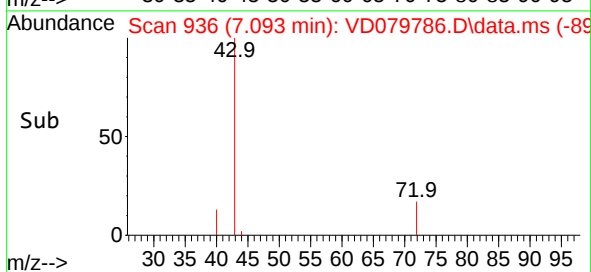
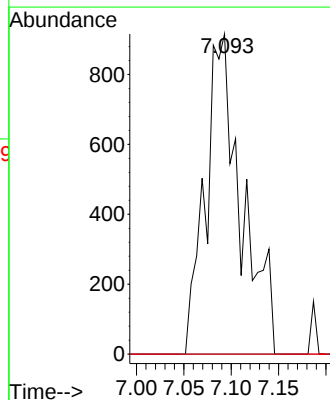
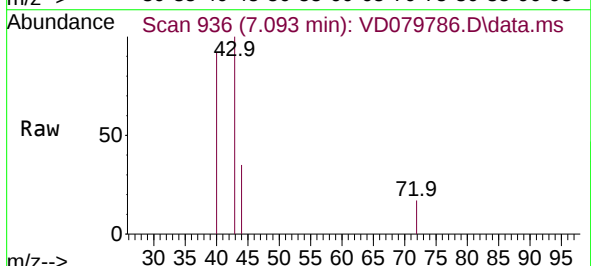
RT: 7.093 min Scan# 936

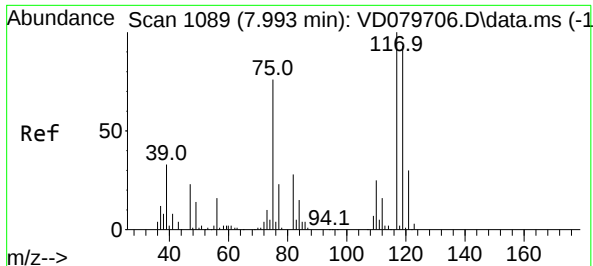
Delta R.T. -0.076 min

Lab File: VD079786.D

Acq: 05 Sep 2024 15:35

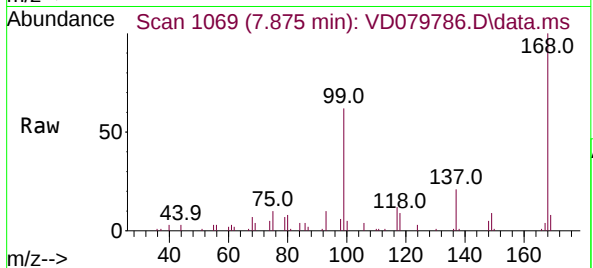
Tgt Ion:	43	Resp:	2405
Ion	Ratio	Lower	Upper
43	100		
61	0.0	13.9	20.9#
70	0.0	9.8	14.6#



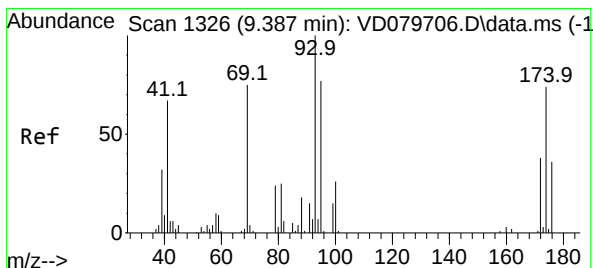
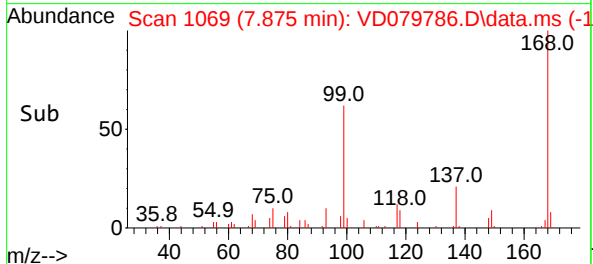
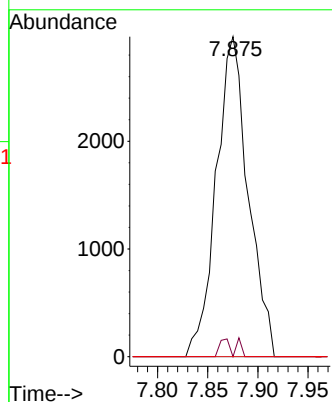


#38
Carbon Tetrachloride
Concen: 4.463 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.118 min
Lab File: VD079786.D
Acq: 05 Sep 2024 15:35

Instrument :
MSVOA_D
ClientSampleId :

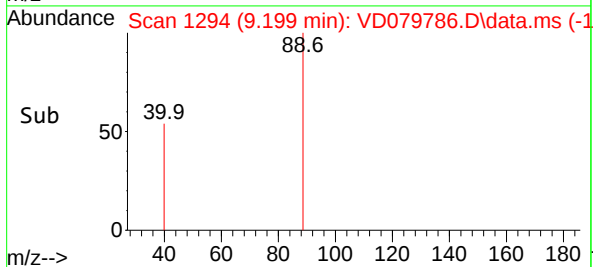
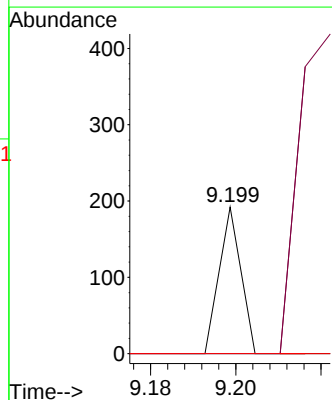
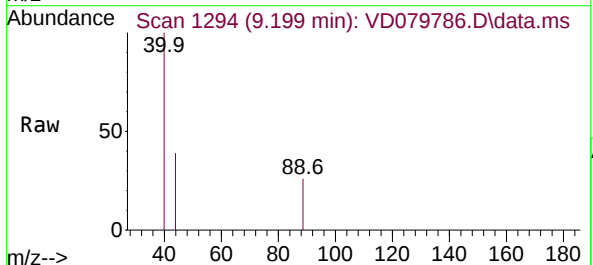


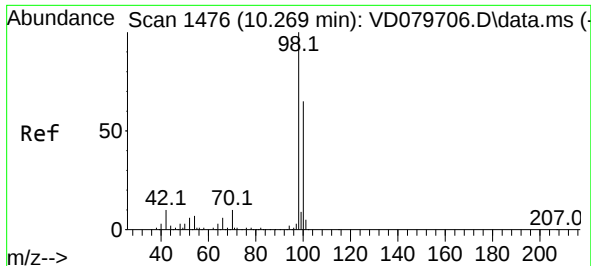
Tgt Ion:117 Resp: 6591
Ion Ratio Lower Upper
117 100
119 0.0 75.4 113.0#
121 0.0 25.0 37.4#



#49
1,4-Dioxane
Concen: 11.477 ug/l
RT: 9.199 min Scan# 1294
Delta R.T. -0.188 min
Lab File: VD079786.D
Acq: 05 Sep 2024 15:35

Tgt Ion: 88 Resp: 68
Ion Ratio Lower Upper
88 100
43 0.0 21.5 32.3#
58 0.0 42.2 63.4#

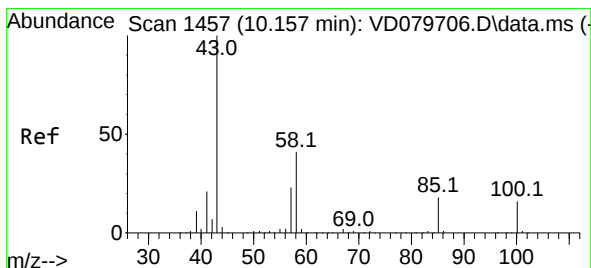
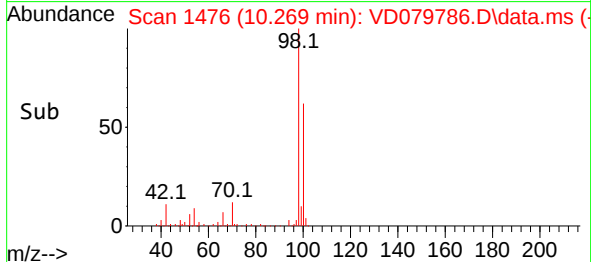
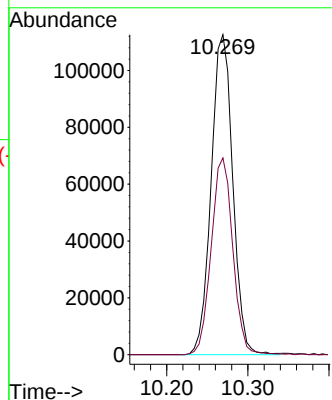
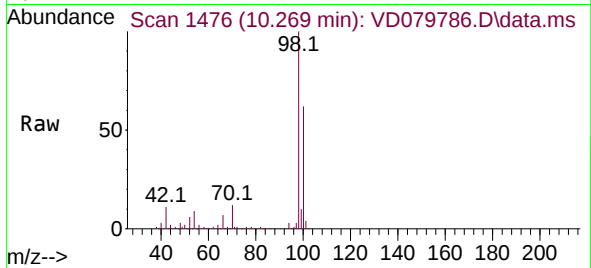




#50
Toluene-d8
Concen: 51.885 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD079786.D
Acq: 05 Sep 2024 15:35

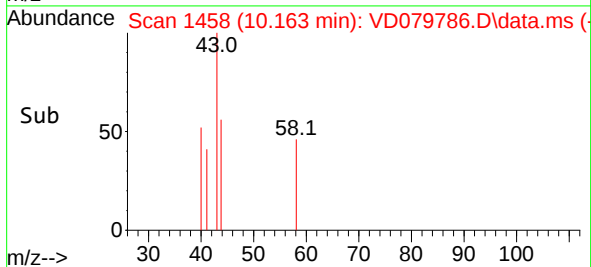
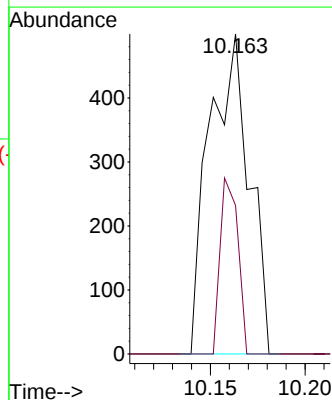
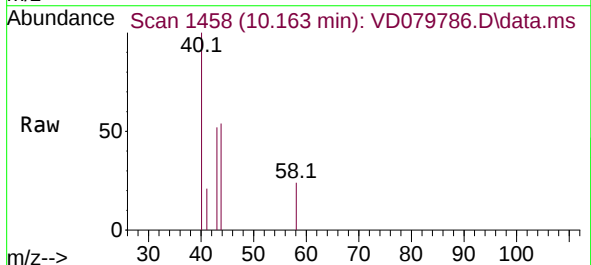
Instrument :
MSVOA_D
ClientSampleId :

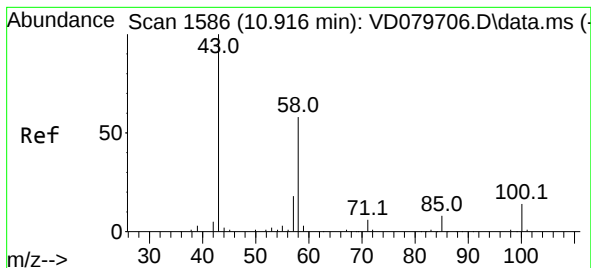
Tgt Ion: 98 Resp: 207896
Ion Ratio Lower Upper
98 100
100 61.5 51.6 77.4



#51
4-Methyl-2-Pentanone
Concen: 1.228 ug/l
RT: 10.163 min Scan# 1458
Delta R.T. 0.006 min
Lab File: VD079786.D
Acq: 05 Sep 2024 15:35

Tgt Ion: 43 Resp: 732
Ion Ratio Lower Upper
43 100
58 24.5 36.6 55.0#

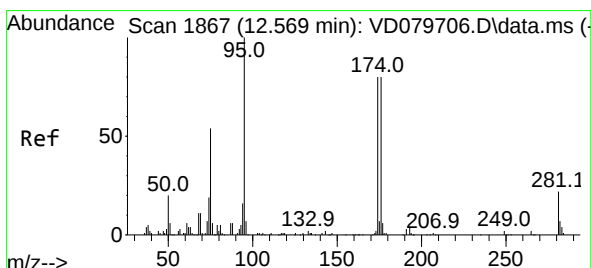
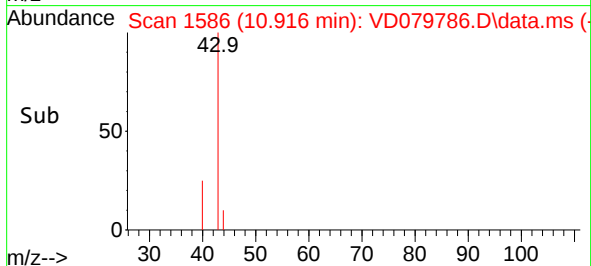
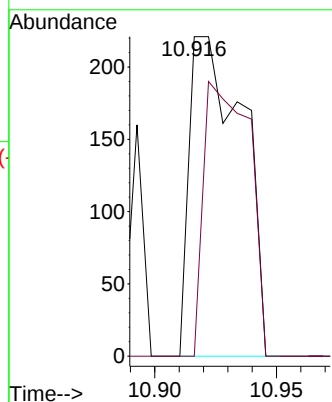
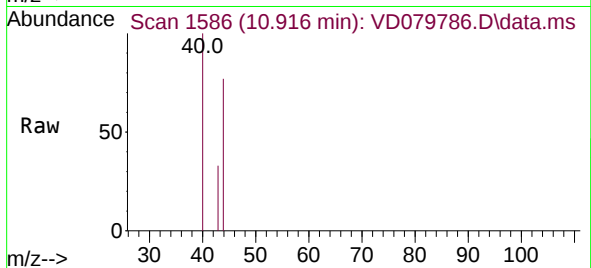




#59
2-Hexanone
Concen: 20.901 ug/l
RT: 10.916 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD079786.D
Acq: 05 Sep 2024 15:35

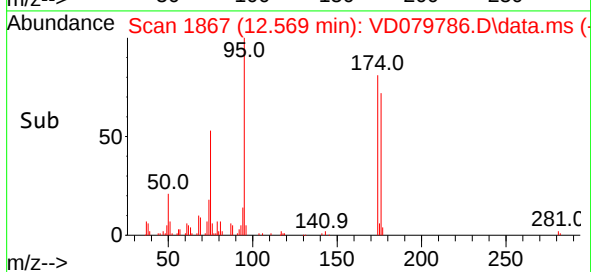
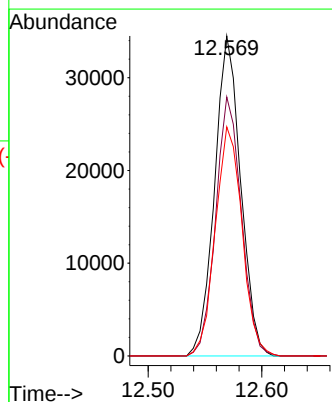
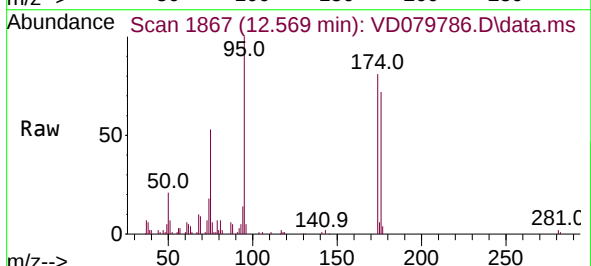
Instrument :
MSVOA_D
ClientSampleId :

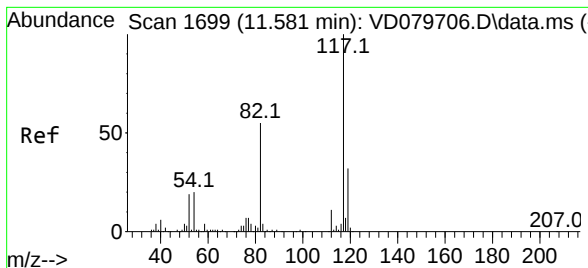
Tgt Ion: 43 Resp: 335
Ion Ratio Lower Upper
43 100
58 73.7 31.1 93.5



#62
4-Bromofluorobenzene
Concen: 49.118 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. 0.000 min
Lab File: VD079786.D
Acq: 05 Sep 2024 15:35

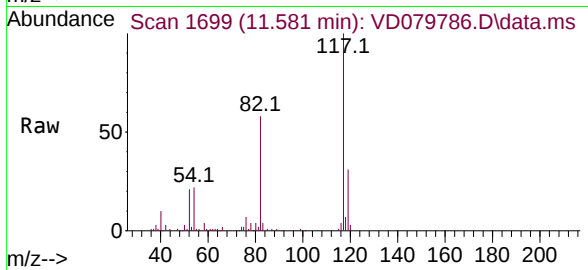
Tgt Ion: 95 Resp: 55068
Ion Ratio Lower Upper
95 100
174 79.7 0.0 195.4
176 73.5 0.0 192.6



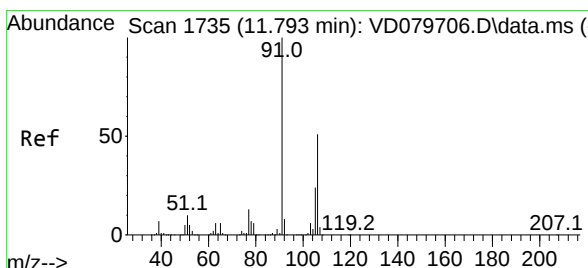
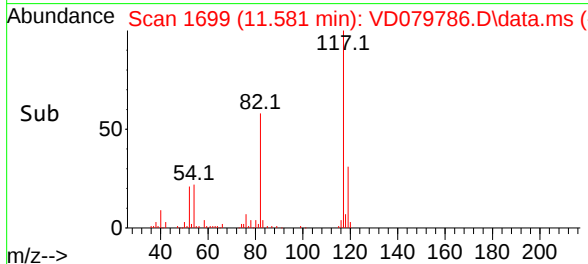
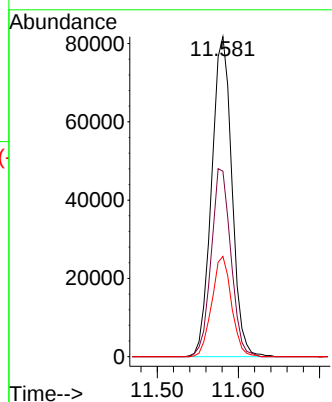


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 117
Delta R.T. -0.000 min
Lab File: VD079786.D
Acq: 05 Sep 2024 15:35

Instrument :
MSVOA_D
ClientSampleId :

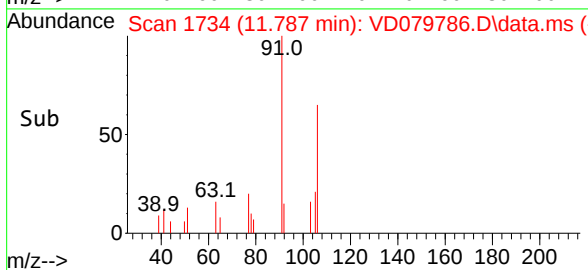
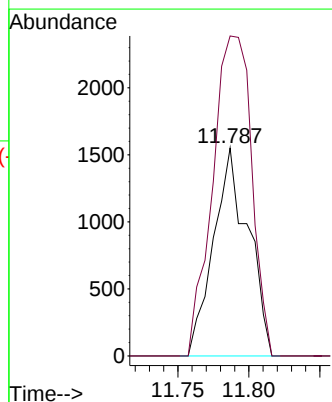
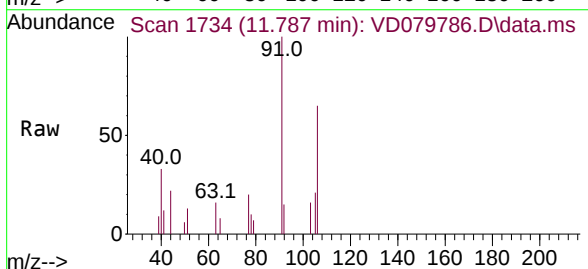


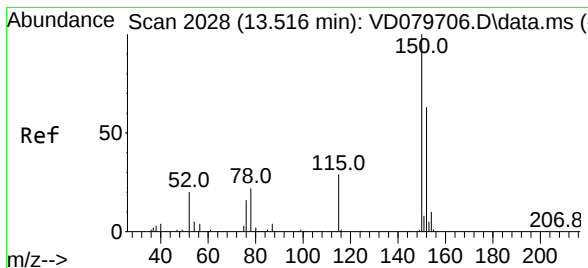
Tgt Ion:117 Resp: 141778
Ion Ratio Lower Upper
117 100
82 58.0 39.8 59.6
119 31.3 25.7 38.5



#68
m/p-Xylenes
Concen: 1.235 ug/l
RT: 11.787 min Scan# 1734
Delta R.T. -0.006 min
Lab File: VD079786.D
Acq: 05 Sep 2024 15:35

Tgt Ion:106 Resp: 2628
Ion Ratio Lower Upper
106 100
91 174.1 148.5 222.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.510 min Scan# 2028

Delta R.T. -0.006 min

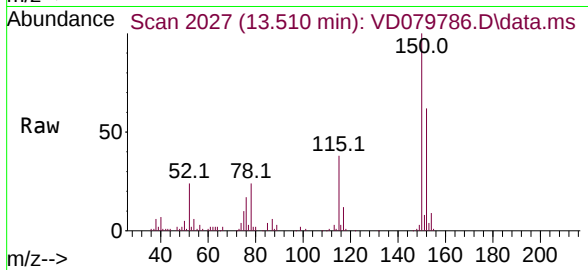
Lab File: VD079786.D

Acq: 05 Sep 2024 15:35

Instrument :

MSVOA_D

ClientSampleId :



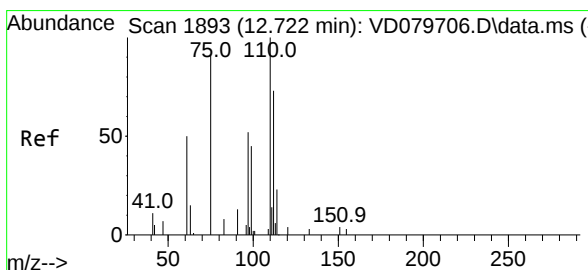
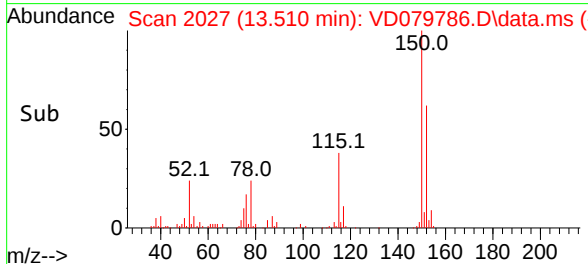
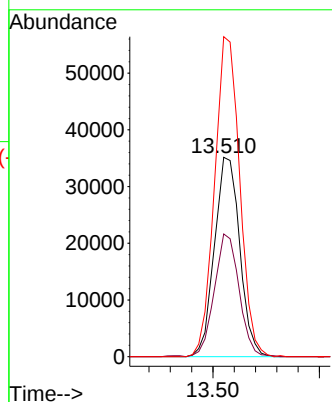
Tgt Ion:152 Resp: 57907

Ion Ratio Lower Upper

152 100

115 60.1 26.5 79.5

150 159.4 0.0 341.6



#76

1,2,3-Trichloropropane

Concen: 60.247 ug/l

RT: 12.569 min Scan# 1867

Delta R.T. -0.153 min

Lab File: VD079786.D

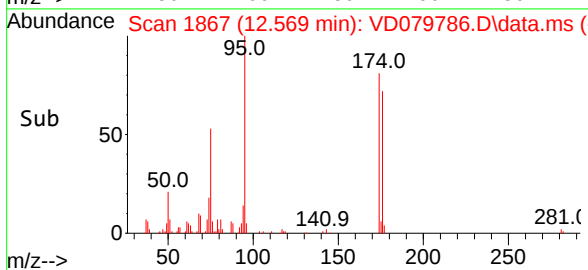
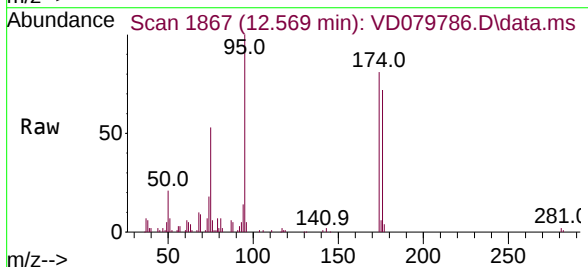
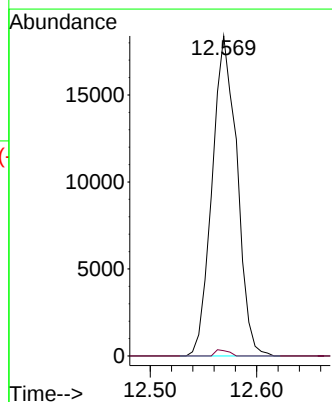
Acq: 05 Sep 2024 15:35

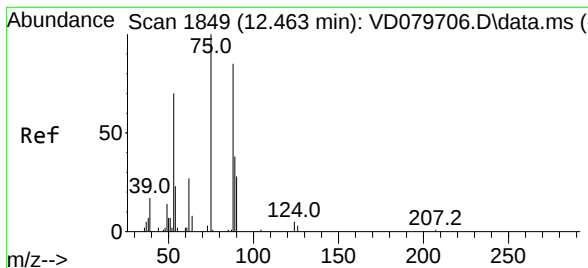
Tgt Ion: 75 Resp: 29818

Ion Ratio Lower Upper

75 100

77 1.0 0.0 0.0#

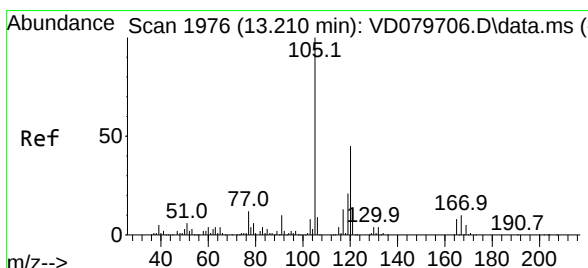
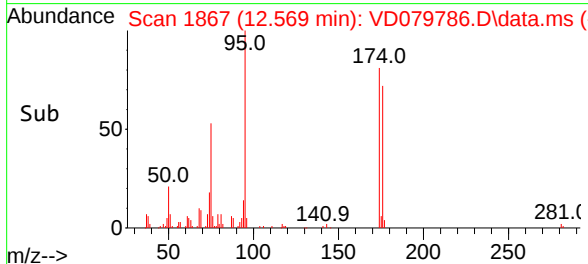
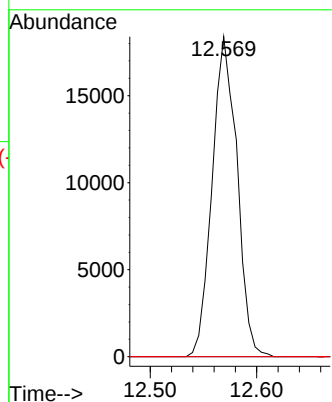
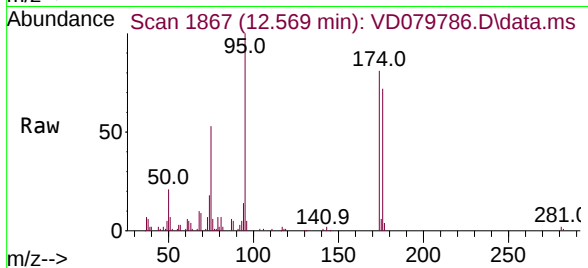




#81
trans-1,4-Dichloro-2-butene
Concen: 100.486 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. 0.106 min
Lab File: VD079786.D
Acq: 05 Sep 2024 15:35

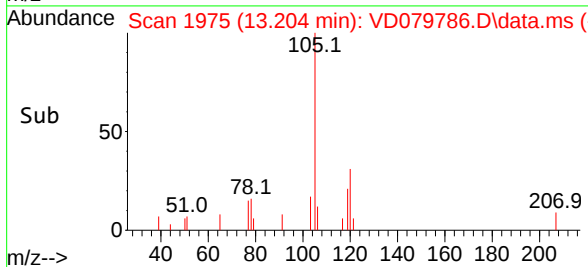
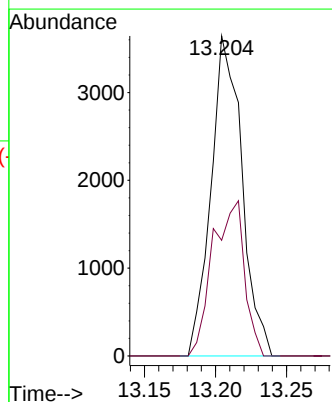
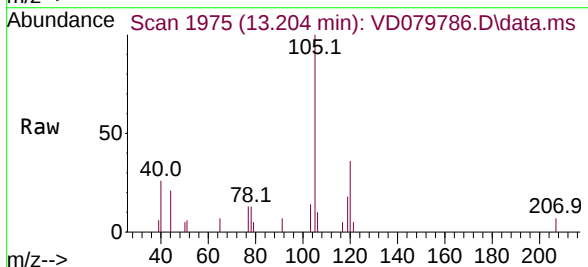
Instrument :
MSVOA_D
ClientSampleId :

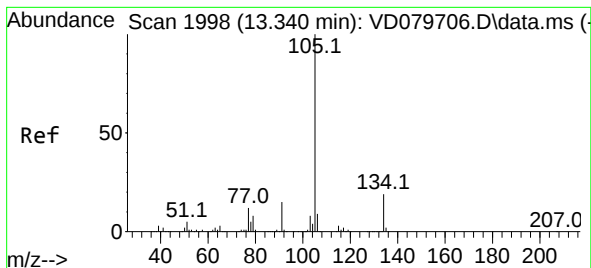
Tgt Ion: 75 Resp: 29818
Ion Ratio Lower Upper
75 100
53 0.0 61.4 92.2#
89 0.0 35.4 53.0#



#84
1,2,4-Trimethylbenzene
Concen: 1.557 ug/l
RT: 13.204 min Scan# 1975
Delta R.T. -0.006 min
Lab File: VD079786.D
Acq: 05 Sep 2024 15:35

Tgt Ion:105 Resp: 5504
Ion Ratio Lower Upper
105 100
120 50.0 23.6 71.0





#85

sec-Butylbenzene

Concen: 1.264 ug/l

RT: 13.204 min Scan# 1998

Delta R.T. -0.135 min

Lab File: VD079786.D

Acq: 05 Sep 2024 15:35

Instrument :

MSVOA_D

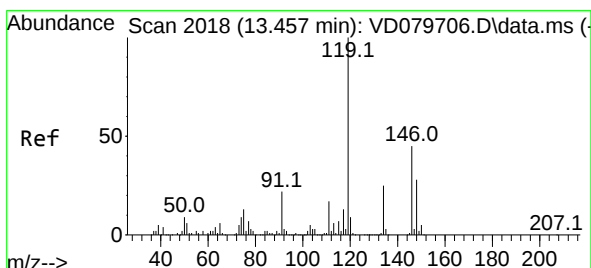
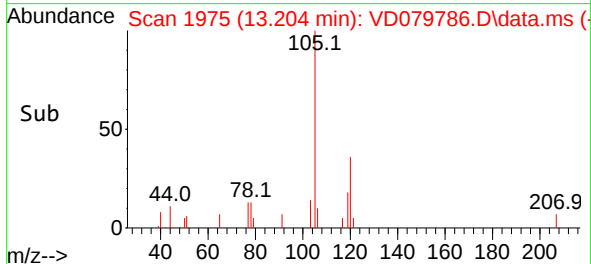
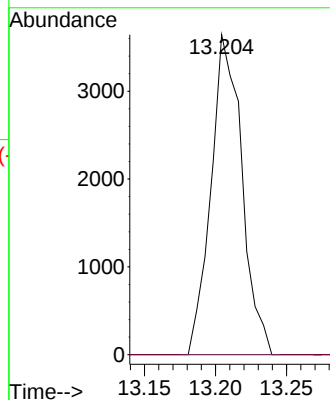
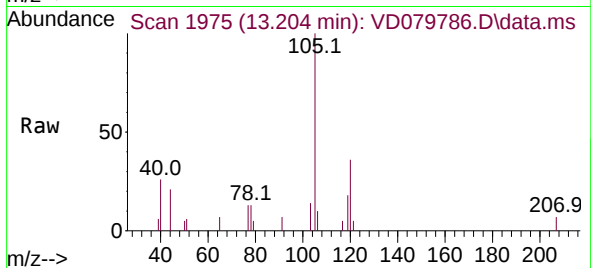
ClientSampleId :

Tgt Ion:105 Resp: 5504

Ion Ratio Lower Upper

105 100

134 0.0 10.3 30.8#



#86

p-Isopropyltoluene

Concen: 4.224 ug/l

RT: 13.463 min Scan# 2019

Delta R.T. 0.006 min

Lab File: VD079786.D

Acq: 05 Sep 2024 15:35

Tgt Ion:119 Resp: 2162

Ion Ratio Lower Upper

119 100

134 24.2 13.7 41.1

91 14.3 10.7 32.1

