

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD090624\
 Data File : VD079797.D
 Acq On : 06 Sep 2024 14:39
 Operator : RP/MD
 Sample : P3839-09
 Misc : 5.02G/5.0ml/MSVOA_D/SOIL/B
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 901RE

Quant Time: Sep 06 23:58:50 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)

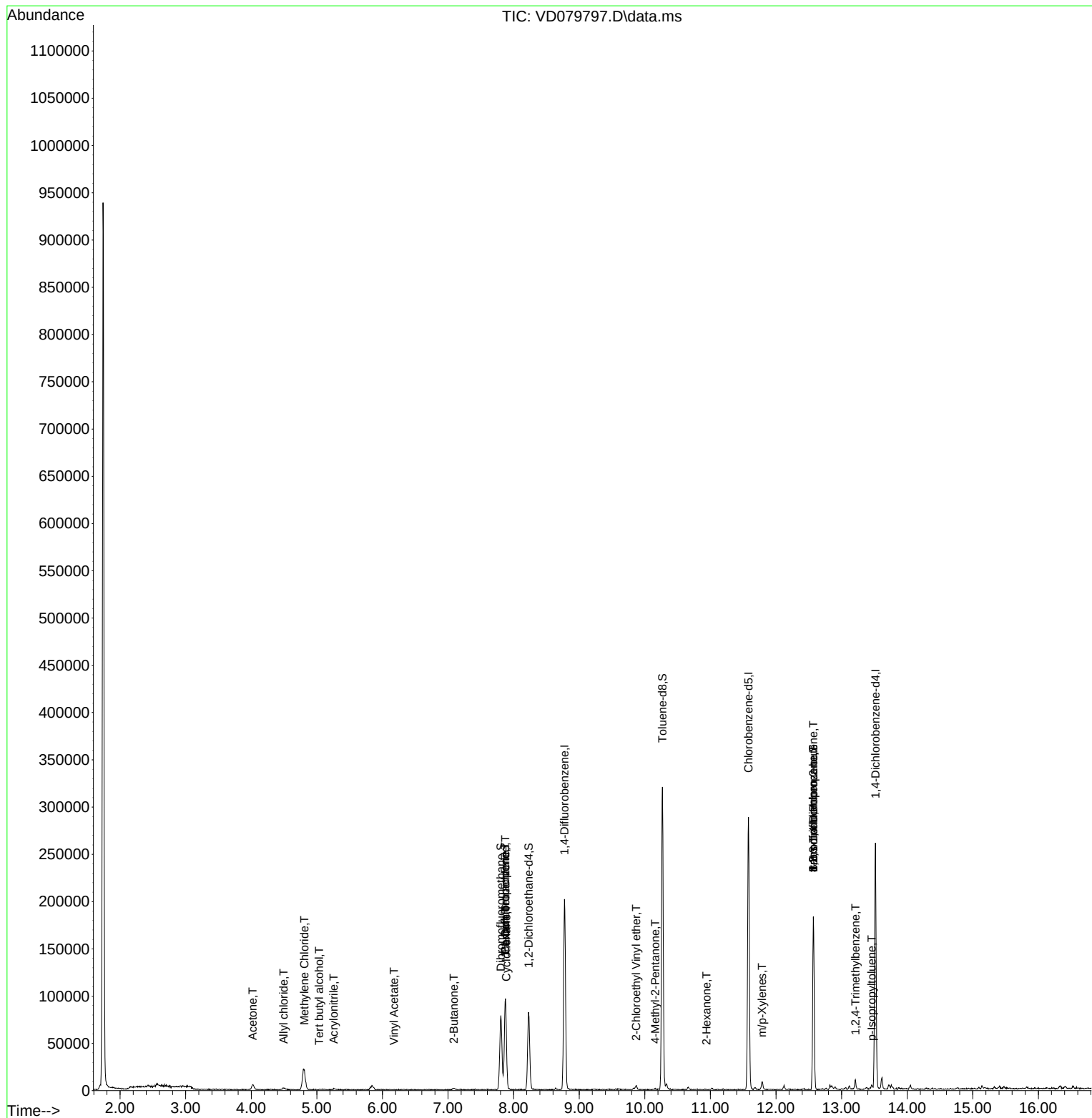
Internal Standards						
1) Pentafluorobenzene	7.875	168	66781	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.775	114	171733	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	157849	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	64959	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	64593	70.939	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	141.880%
35) Dibromofluoromethane	7.805	113	55345	49.581	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.160%
50) Toluene-d8	10.269	98	222053	46.383	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	92.760%
62) 4-Bromofluorobenzene	12.569	95	54394	40.607	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	81.220%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.034	59	217	4.832	ug/l	# 86
14) Allyl chloride	4.493	41	1593	1.211	ug/l	# 39
15) Acrylonitrile	5.258	53	1592	7.325	ug/l	# 72
16) Acetone	4.022	43	8976	47.503	ug/l	89
20) Methylene Chloride	4.811	84	16385	12.469	ug/l	# 71
23) Vinyl Acetate	6.175	43	58	2.548	ug/l	# 63
25) 2-Butanone	7.087	43	1391	5.518	ug/l	# 78
31) Cyclohexane	7.887	56	2221	1.459	ug/l	# 80
36) 1,1-Dichloropropene	7.869	75	6425	3.883	ug/l	# 46
38) Carbon Tetrachloride	7.875	117	7637	4.328	ug/l	# 16
51) 4-Methyl-2-Pentanone	10.157	43	950	1.333	ug/l	# 43
58) 2-Chloroethyl Vinyl ether	9.869	63	1939	1.269	ug/l	92
59) 2-Hexanone	10.940	43	617	21.263	ug/l	# 19
68) m/p-Xylenes	11.787	106	2748	1.159	ug/l	89
71) Bromoform	12.569	173	825	1.430	ug/l	# 29
76) 1,2,3-Trichloropropane	12.569	75	30857	55.578	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.569	75	30857	92.698	ug/l	# 19
84) 1,2,4-Trimethylbenzene	13.210	105	5272	1.330	ug/l	95
86) p-Isopropyltoluene	13.457	119	2059	4.152	ug/l	81

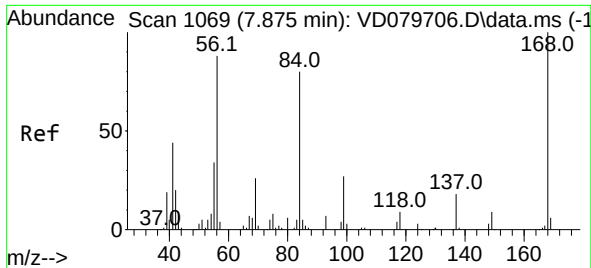
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD090624\
Data File : VD079797.D
Acq On : 06 Sep 2024 14:39
Operator : RP/MD
Sample : P3839-09
Misc : 5.02G/5.0ml/MSVOA_D/SOIL/B
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
901RE

Quant Time: Sep 06 23:58:50 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

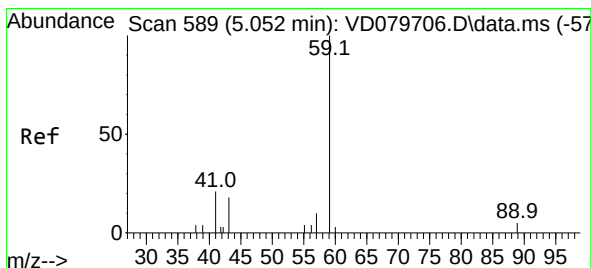
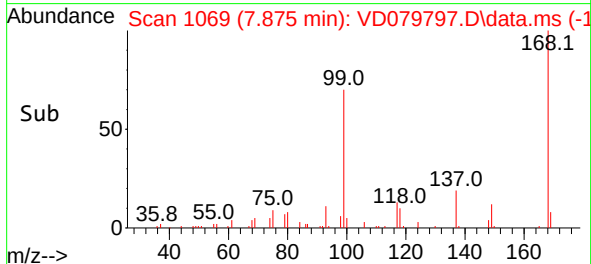
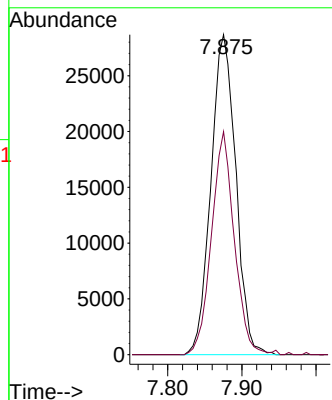
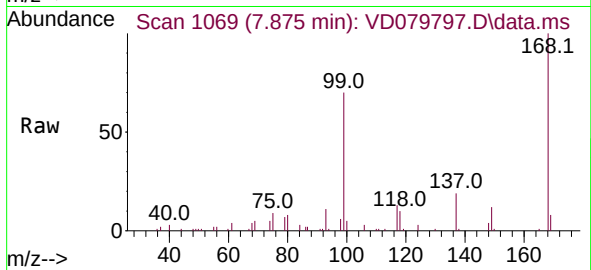




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD079797.D
Acq: 06 Sep 2024 14:39

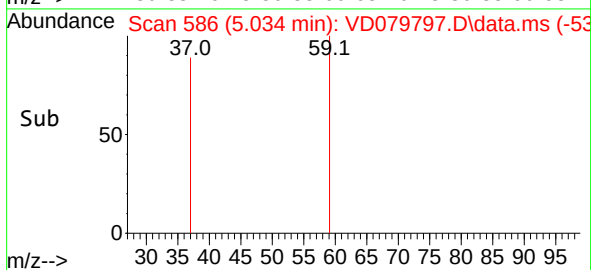
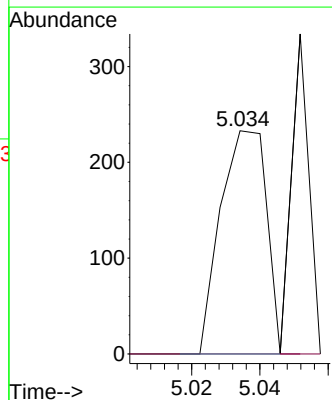
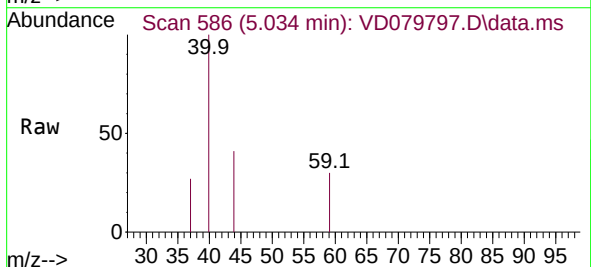
Instrument :
MSVOA_D
ClientSampleId :
901RE

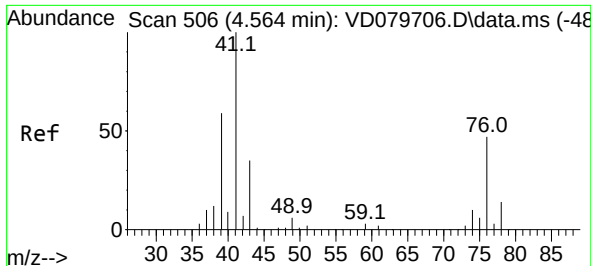
Tgt Ion:168 Resp: 66781
Ion Ratio Lower Upper
168 100
99 69.7 41.1 61.7#



#11
Tert butyl alcohol
Concen: 4.832 ug/l
RT: 5.034 min Scan# 586
Delta R.T. -0.018 min
Lab File: VD079797.D
Acq: 06 Sep 2024 14:39

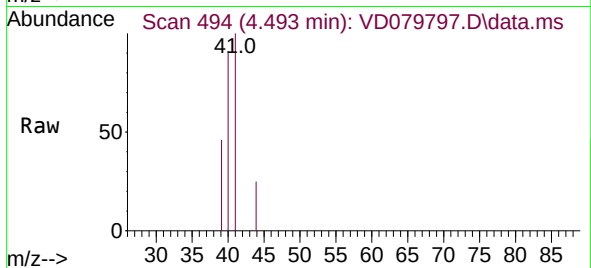
Tgt Ion: 59 Resp: 217
Ion Ratio Lower Upper
59 100
57 0.0 3.6 5.4#



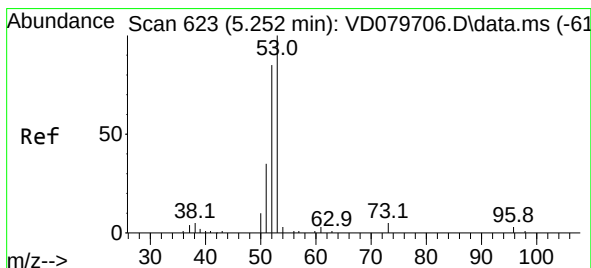
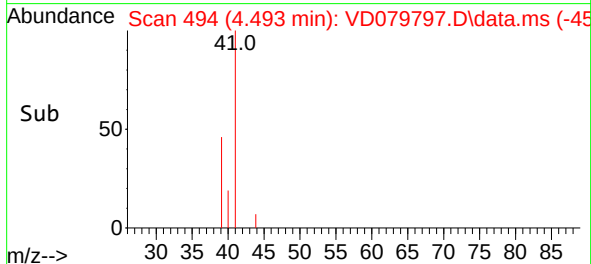
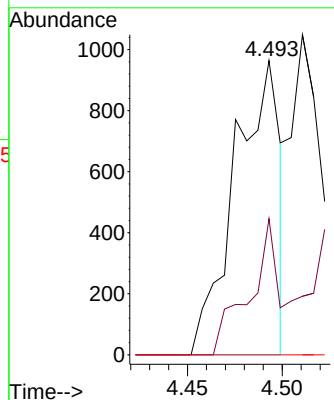


#14
Allyl chloride
Concen: 1.211 ug/l
RT: 4.493 min Scan# 494
Delta R.T. -0.071 min
Lab File: VD079797.D
Acq: 06 Sep 2024 14:39

Instrument :
MSVOA_D
ClientSampleId :
901RE

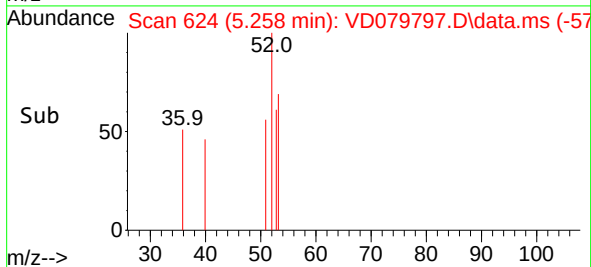
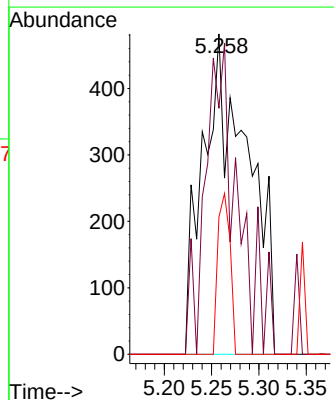
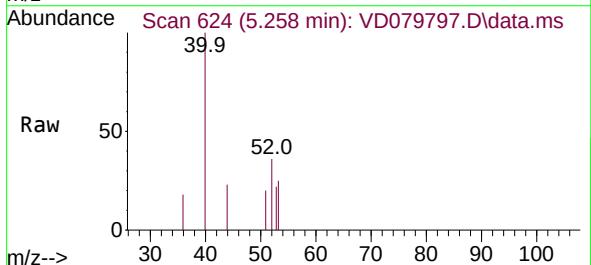


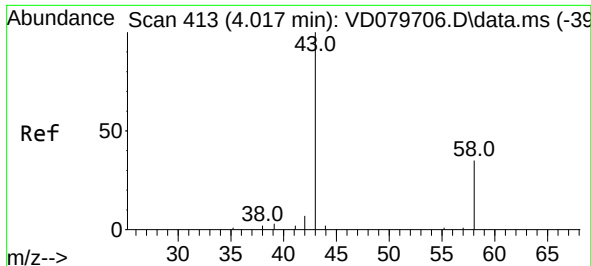
Tgt Ion: 41 Resp: 1593
Ion Ratio Lower Upper
41 100
39 32.3 58.0 87.0#
76 0.0 45.9 68.9#



#15
Acrylonitrile
Concen: 7.325 ug/l
RT: 5.258 min Scan# 624
Delta R.T. 0.006 min
Lab File: VD079797.D
Acq: 06 Sep 2024 14:39

Tgt Ion: 53 Resp: 1592
Ion Ratio Lower Upper
53 100
52 62.6 67.7 101.5#
51 13.8 28.6 42.8#





#16

Acetone

Concen: 47.503 ug/l

RT: 4.022 min Scan# 41

Delta R.T. 0.005 min

Lab File: VD079797.D

Acq: 06 Sep 2024 14:39

Instrument :

MSVOA_D

ClientSampleId :

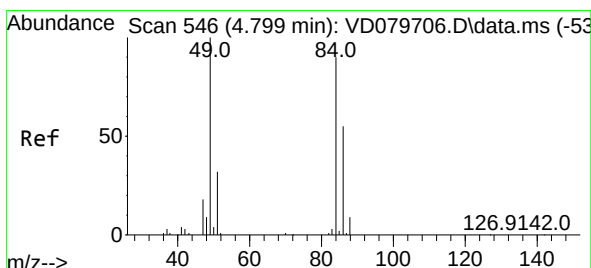
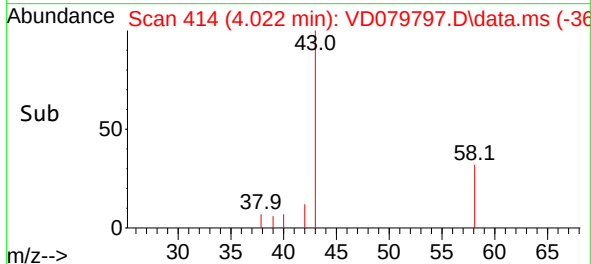
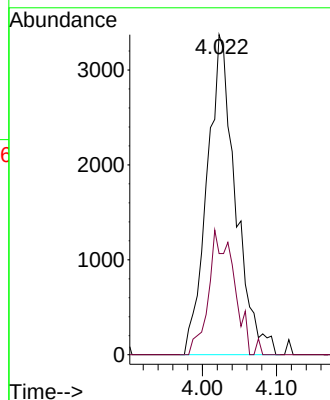
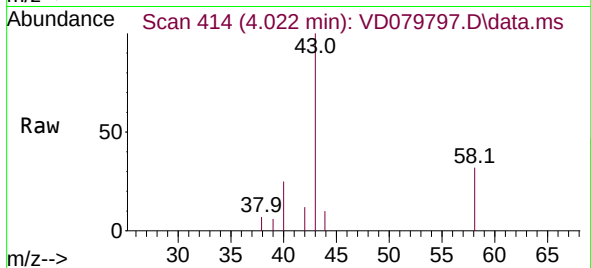
901RE

Tgt Ion: 43 Resp: 8976

Ion Ratio Lower Upper

43 100

58 31.6 30.4 45.6



#20

Methylene Chloride

Concen: 12.469 ug/l

RT: 4.811 min Scan# 548

Delta R.T. 0.012 min

Lab File: VD079797.D

Acq: 06 Sep 2024 14:39

Tgt Ion: 84 Resp: 16385

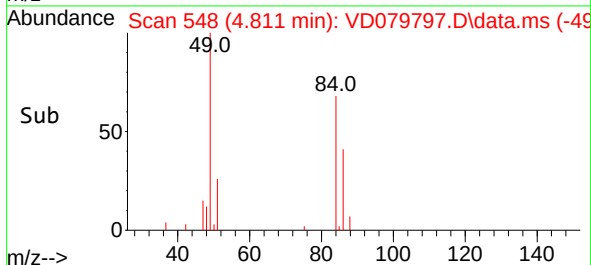
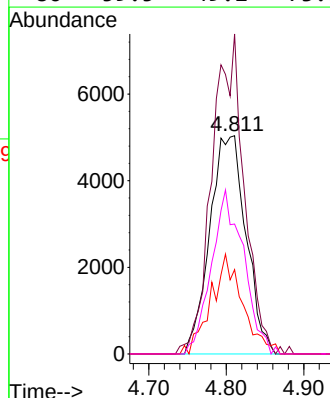
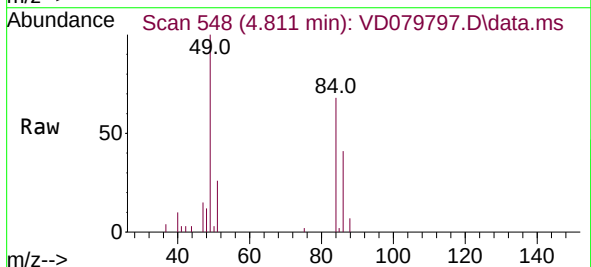
Ion Ratio Lower Upper

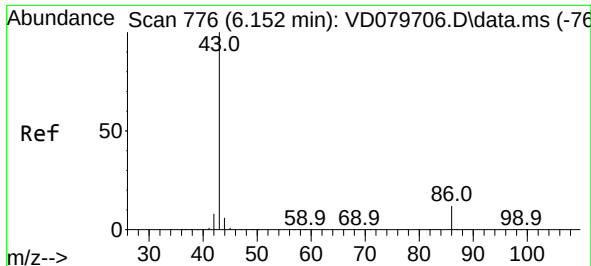
84 100

49 143.3 75.6 113.4#

51 38.7 24.2 36.2#

86 59.5 49.2 73.8

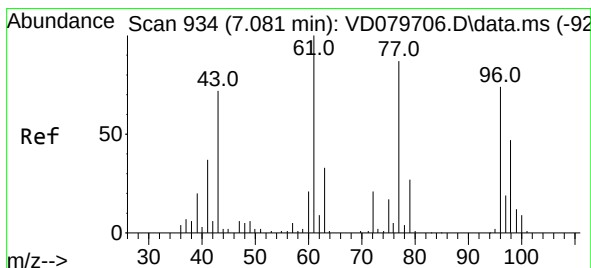
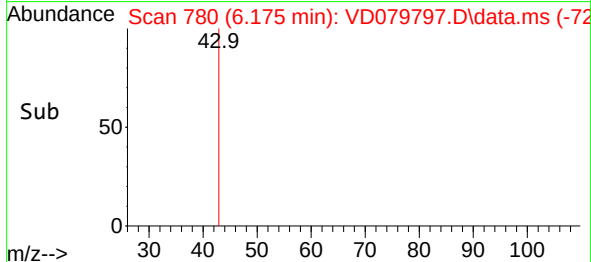
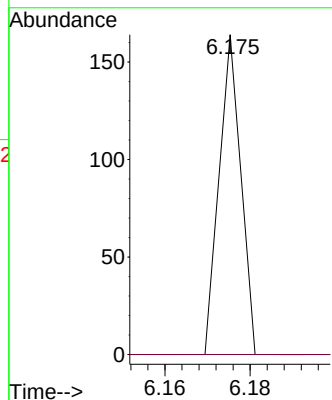
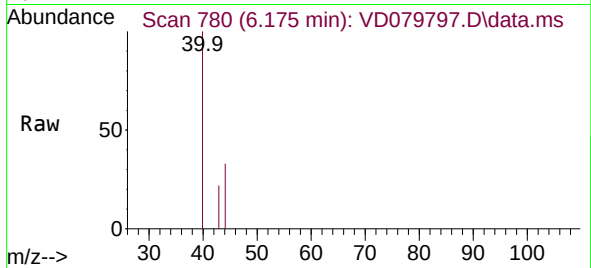




#23
 Vinyl Acetate
 Concen: 2.548 ug/l
 RT: 6.175 min Scan# 776
 Delta R.T. 0.023 min
 Lab File: VD079797.D
 Acq: 06 Sep 2024 14:39

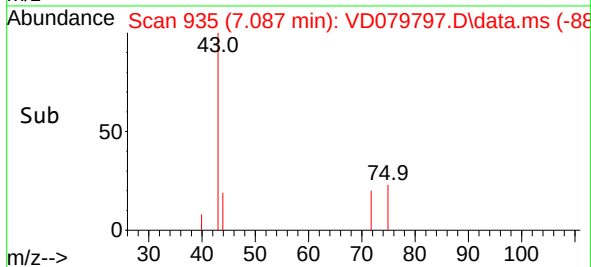
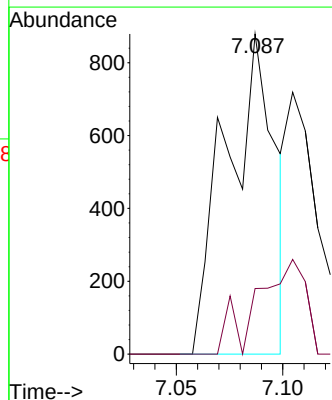
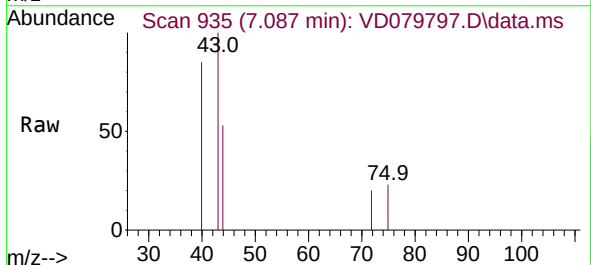
Instrument :
 MSVOA_D
 ClientSampleId :
 901RE

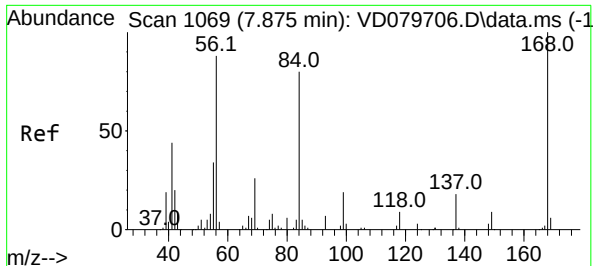
Tgt Ion: 43 Resp: 58
 Ion Ratio Lower Upper
 43 100
 86 0.0 12.3 18.5#



#25
 2-Butanone
 Concen: 5.518 ug/l
 RT: 7.087 min Scan# 935
 Delta R.T. 0.006 min
 Lab File: VD079797.D
 Acq: 06 Sep 2024 14:39

Tgt Ion: 43 Resp: 1391
 Ion Ratio Lower Upper
 43 100
 72 20.5 26.4 39.6#





#31

Cyclohexane

Concen: 1.459 ug/l

RT: 7.887 min Scan# 1069

Delta R.T. 0.012 min

Lab File: VD079797.D

Acq: 06 Sep 2024 14:39

Instrument :

MSVOA_D

ClientSampleId :

901RE

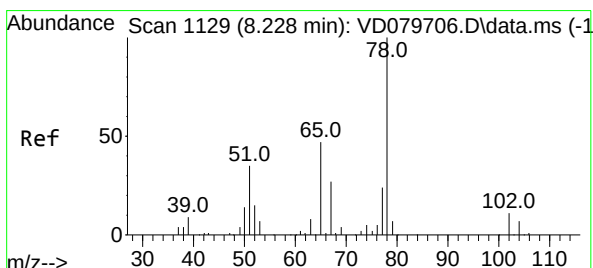
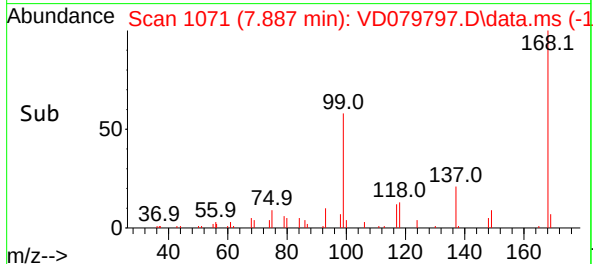
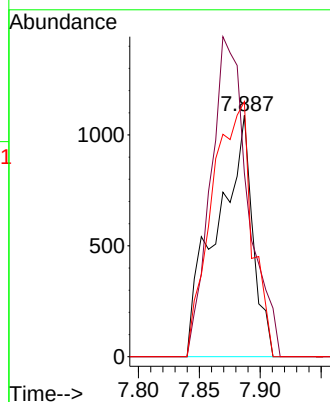
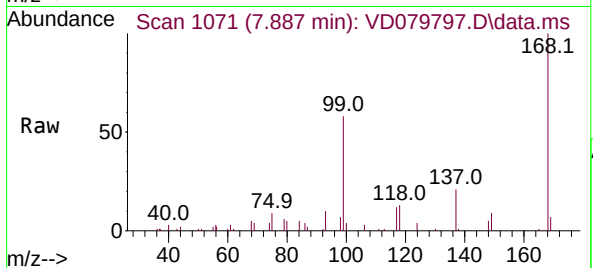
Tgt Ion: 56 Resp: 2221

Ion Ratio Lower Upper

56 100

69 76.2 28.0 42.0#

84 105.7 87.4 131.0



#33

1,2-Dichloroethane-d4

Concen: 70.939 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. 0.000 min

Lab File: VD079797.D

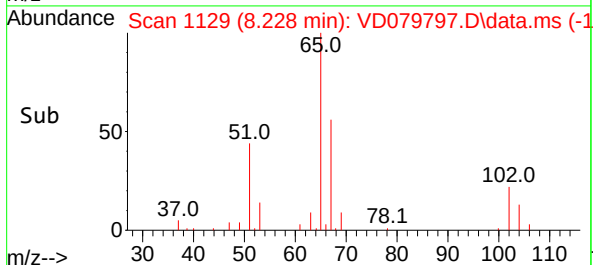
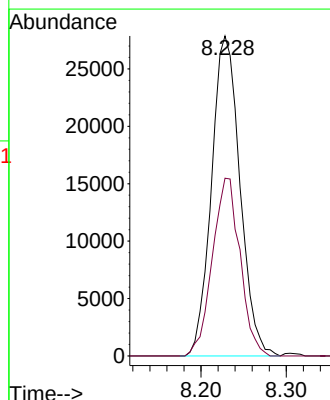
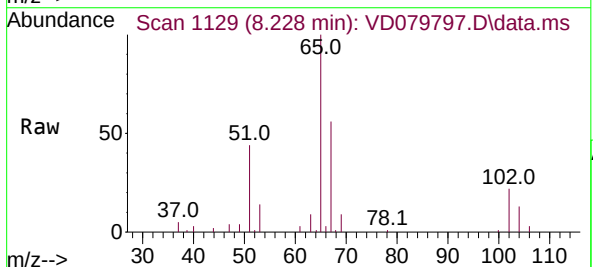
Acq: 06 Sep 2024 14:39

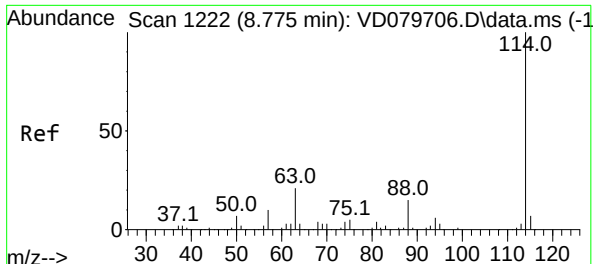
Tgt Ion: 65 Resp: 64593

Ion Ratio Lower Upper

65 100

67 54.0 0.0 111.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1

Delta R.T. 0.000 min

Lab File: VD079797.D

Acq: 06 Sep 2024 14:39

Instrument :

MSVOA_D

ClientSampleId :

901RE

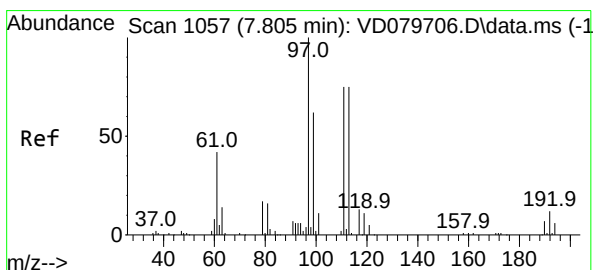
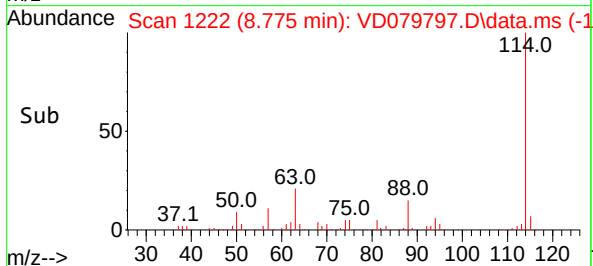
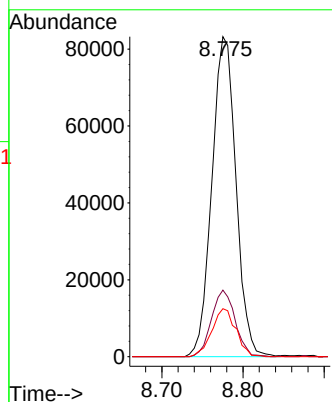
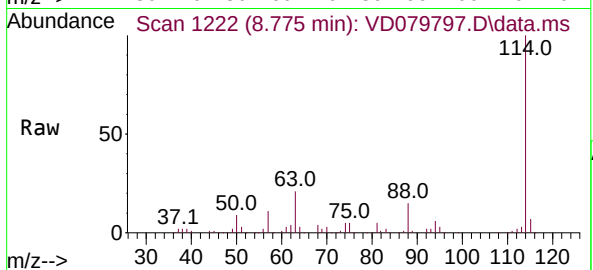
Tgt Ion:114 Resp: 171733

Ion Ratio Lower Upper

114 100

63 20.8 0.0 34.0

88 15.0 0.0 27.2



#35

Dibromofluoromethane

Concen: 49.581 ug/l

RT: 7.805 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VD079797.D

Acq: 06 Sep 2024 14:39

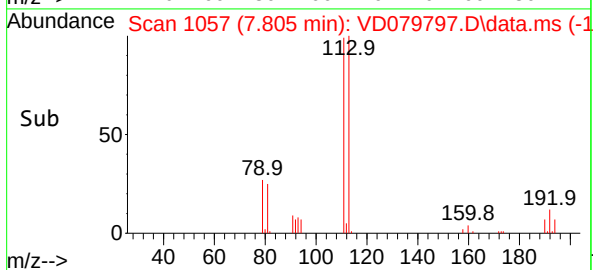
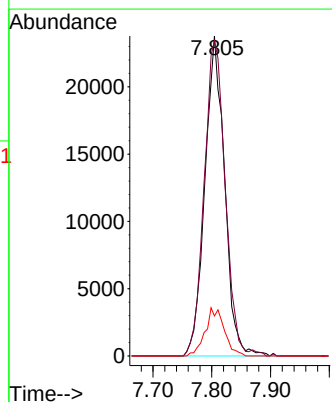
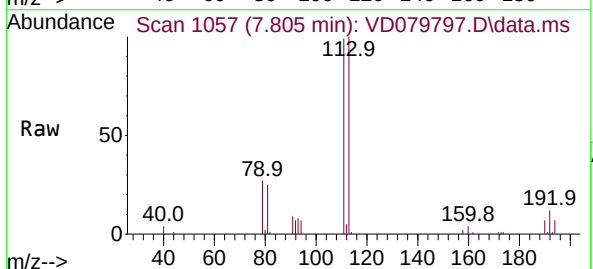
Tgt Ion:113 Resp: 55345

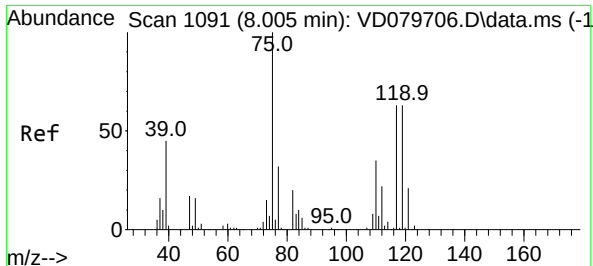
Ion Ratio Lower Upper

113 100

111 104.1 84.0 126.0

192 14.5 15.4 23.0#





#36

1,1-Dichloropropene

Concen: 3.883 ug/l

RT: 7.869 min Scan# 1068

Delta R.T. -0.135 min

Lab File: VD079797.D

Acq: 06 Sep 2024 14:39

Instrument :

MSVOA_D

ClientSampleId :

901RE

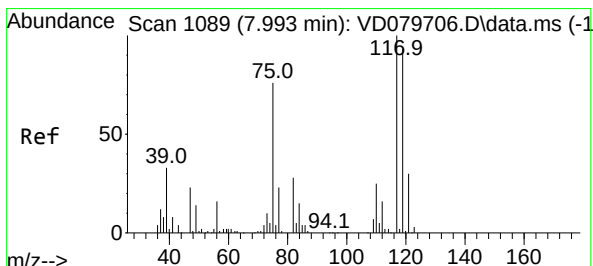
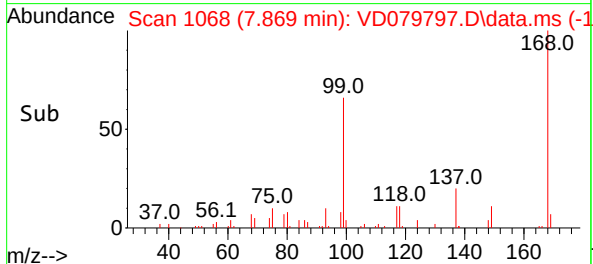
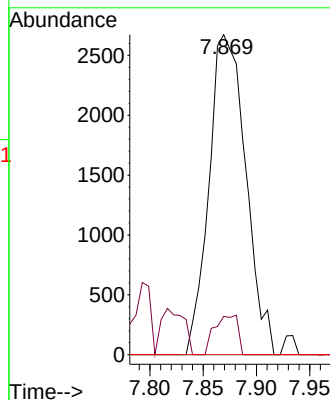
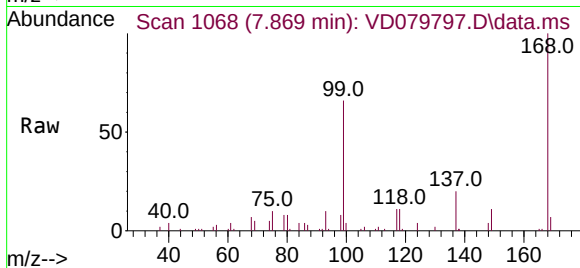
Tgt Ion: 75 Resp: 6425

Ion Ratio Lower Upper

75 100

110 7.8 19.6 58.7#

77 0.0 26.1 39.1#



#38

Carbon Tetrachloride

Concen: 4.328 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.118 min

Lab File: VD079797.D

Acq: 06 Sep 2024 14:39

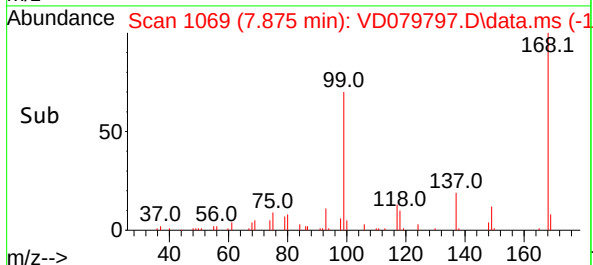
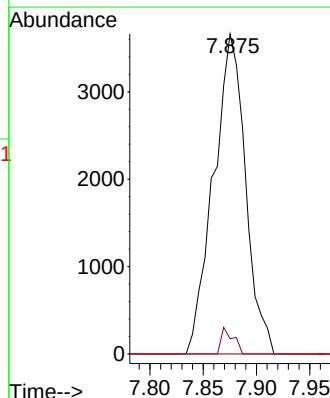
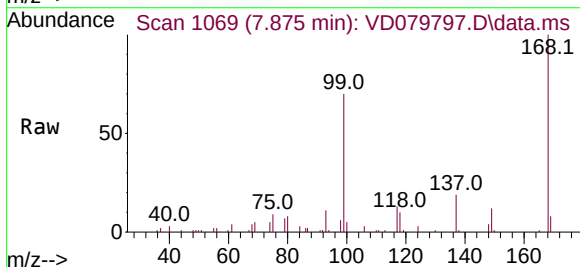
Tgt Ion: 117 Resp: 7637

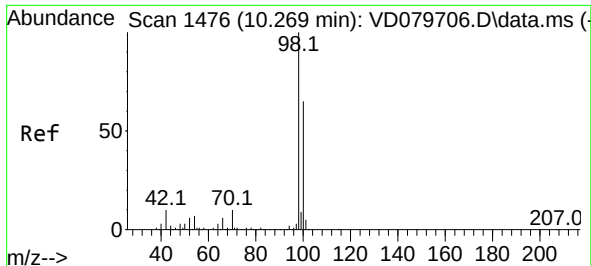
Ion Ratio Lower Upper

117 100

119 4.8 75.4 113.0#

121 0.0 25.0 37.4#

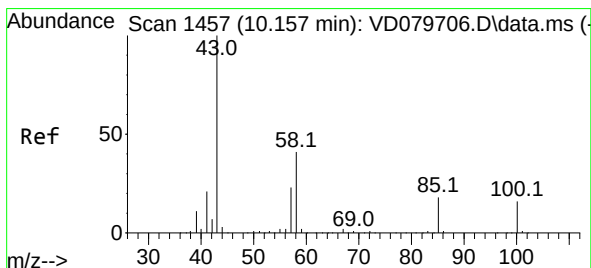
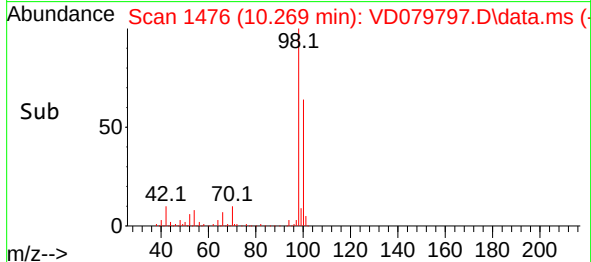
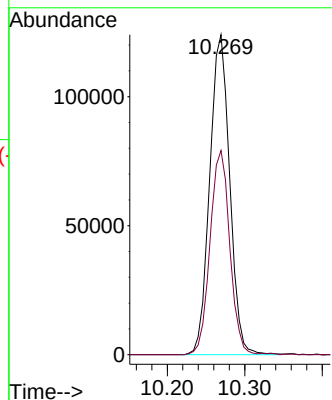
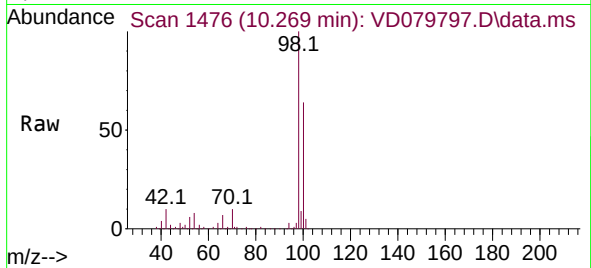




#50
Toluene-d8
Concen: 46.383 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD079797.D
Acq: 06 Sep 2024 14:39

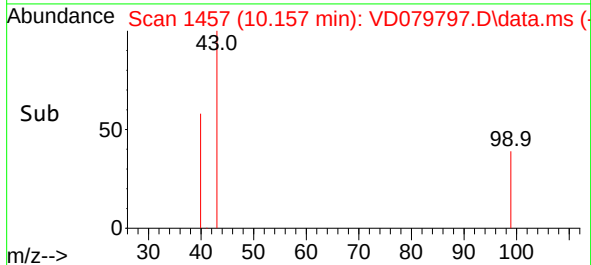
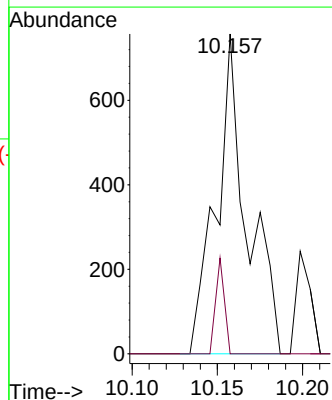
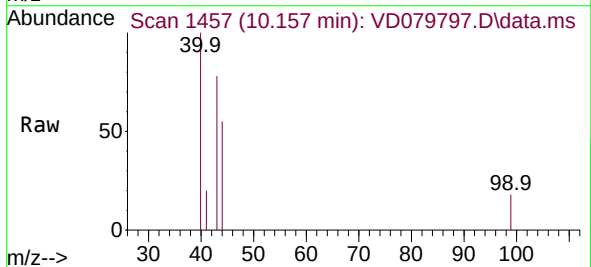
Instrument :
MSVOA_D
ClientSampleId :
901RE

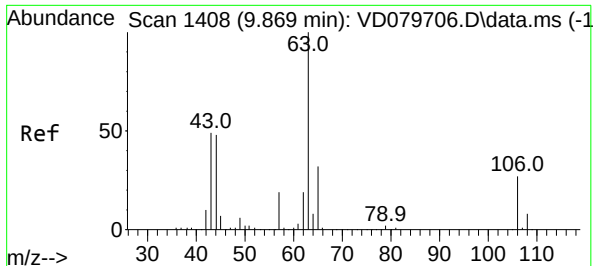
Tgt Ion: 98 Resp: 222053
Ion Ratio Lower Upper
98 100
100 63.0 51.6 77.4



#51
4-Methyl-2-Pentanone
Concen: 1.333 ug/l
RT: 10.157 min Scan# 1457
Delta R.T. 0.000 min
Lab File: VD079797.D
Acq: 06 Sep 2024 14:39

Tgt Ion: 43 Resp: 950
Ion Ratio Lower Upper
43 100
58 8.4 36.6 55.0#

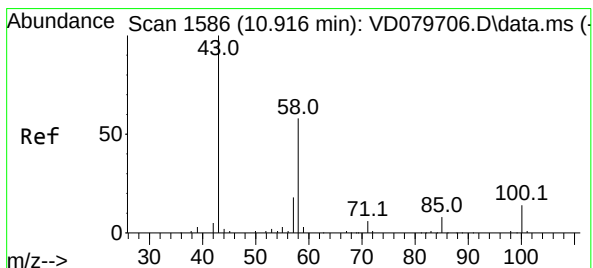
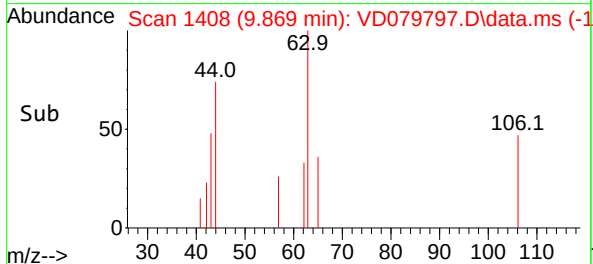
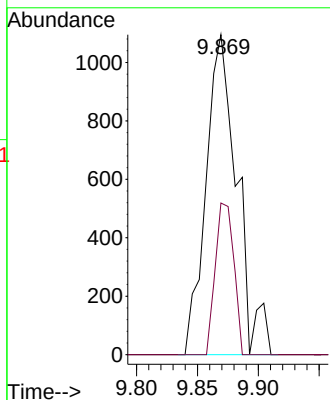
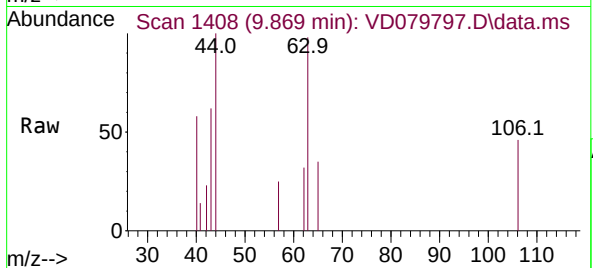




#58
2-Chloroethyl Vinyl ether
Concen: 1.269 ug/l
RT: 9.869 min Scan# 1408
Delta R.T. 0.000 min
Lab File: VD079797.D
Acq: 06 Sep 2024 14:39

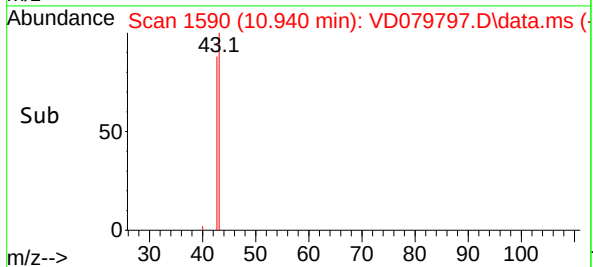
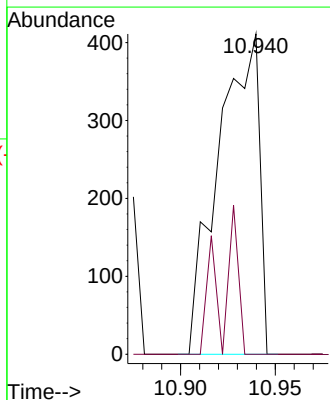
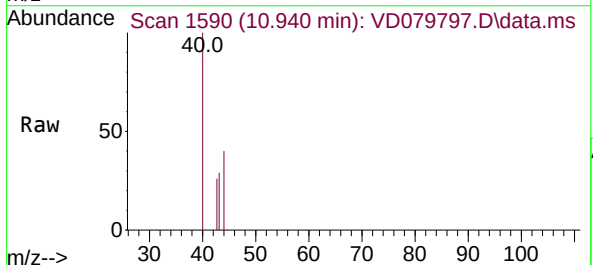
Instrument :
MSVOA_D
ClientSampleId :
901RE

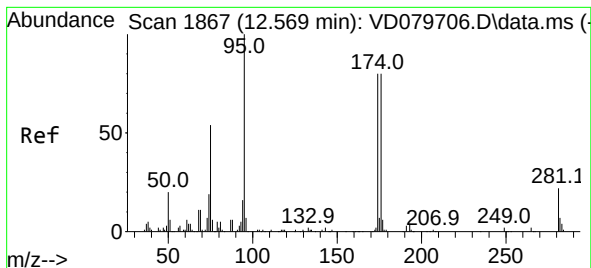
Tgt Ion: 63 Resp: 1939
Ion Ratio Lower Upper
63 100
106 28.2 26.4 39.6



#59
2-Hexanone
Concen: 21.263 ug/l
RT: 10.940 min Scan# 1590
Delta R.T. 0.024 min
Lab File: VD079797.D
Acq: 06 Sep 2024 14:39

Tgt Ion: 43 Resp: 617
Ion Ratio Lower Upper
43 100
58 0.0 31.1 93.5#

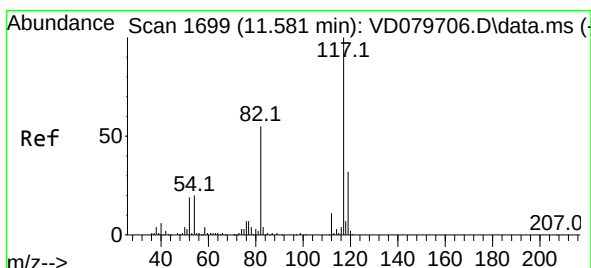
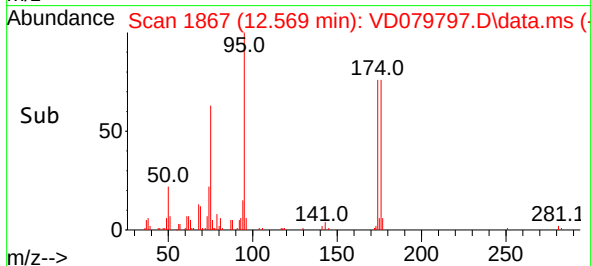
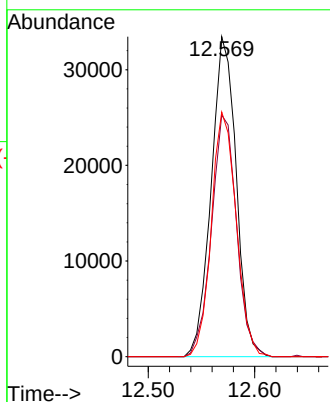
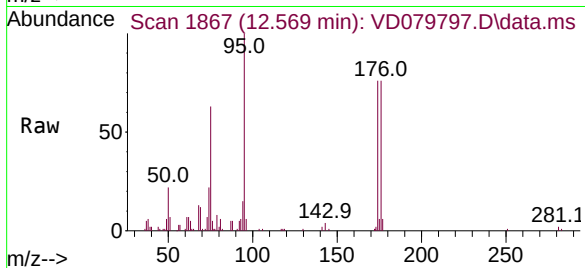




#62
4-Bromofluorobenzene
Concen: 40.607 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. 0.000 min
Lab File: VD079797.D
Acq: 06 Sep 2024 14:39

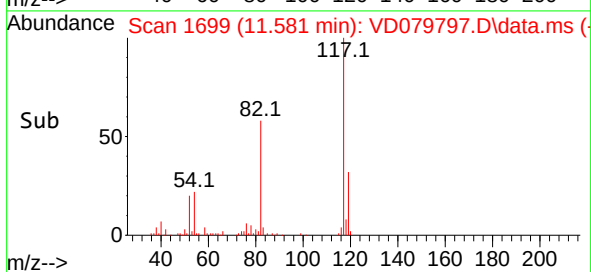
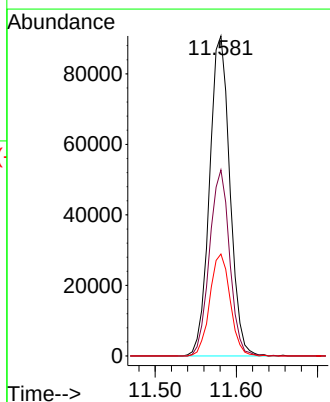
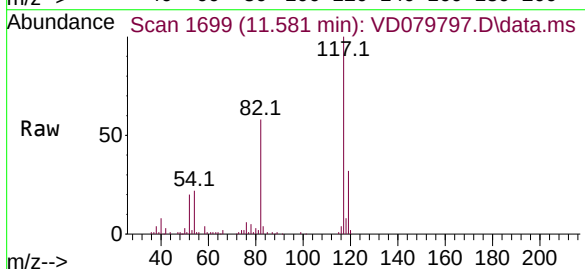
Instrument :
MSVOA_D
ClientSampleId :
901RE

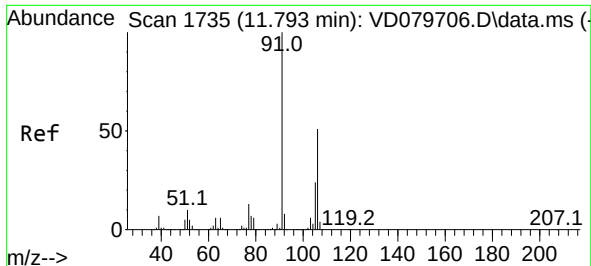
Tgt Ion: 95 Resp: 54394
Ion Ratio Lower Upper
95 100
174 75.8 0.0 195.4
176 76.1 0.0 192.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. 0.000 min
Lab File: VD079797.D
Acq: 06 Sep 2024 14:39

Tgt Ion: 117 Resp: 157849
Ion Ratio Lower Upper
117 100
82 58.1 39.8 59.6
119 31.9 25.7 38.5

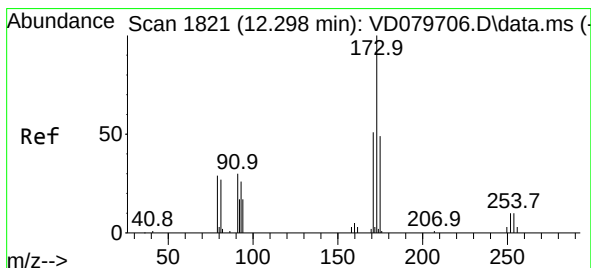
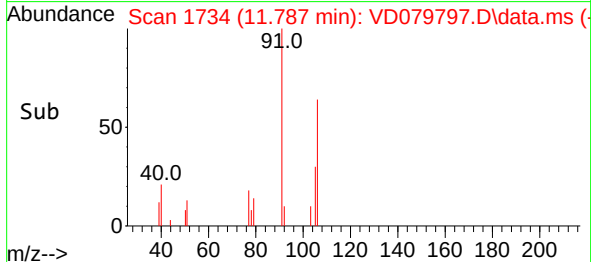
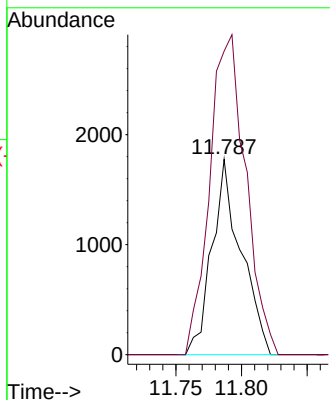
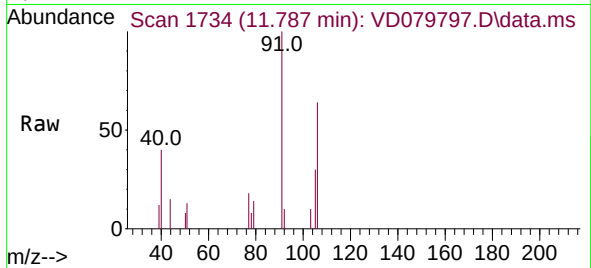




#68
m/p-Xylenes
Concen: 1.159 ug/l
RT: 11.787 min Scan# 11
Delta R.T. -0.006 min
Lab File: VD079797.D
Acq: 06 Sep 2024 14:39

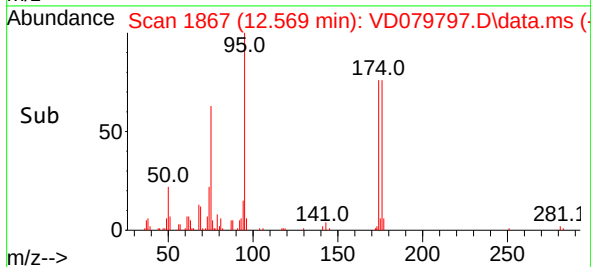
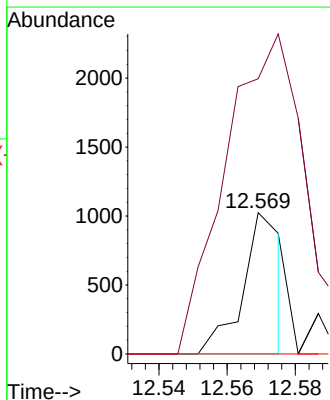
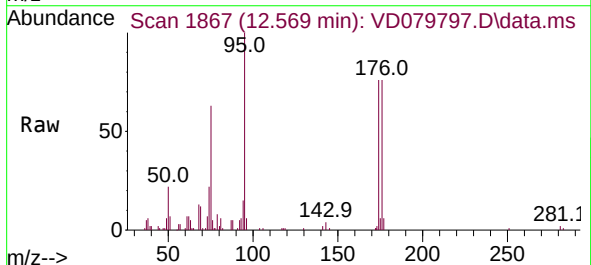
Instrument :
MSVOA_D
ClientSampleId :
901RE

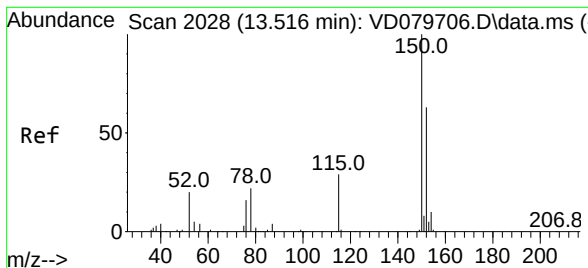
Tgt Ion:106 Resp: 2748
Ion Ratio Lower Upper
106 100
91 202.0 148.5 222.7



#71
Bromoform
Concen: 1.430 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. 0.271 min
Lab File: VD079797.D
Acq: 06 Sep 2024 14:39

Tgt Ion:173 Resp: 825
Ion Ratio Lower Upper
173 100
175 0.0 23.7 71.1#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.516 min Scan# 20

Delta R.T. 0.000 min

Lab File: VD079797.D

Acq: 06 Sep 2024 14:39

Instrument :

MSVOA_D

ClientSampleId :

901RE

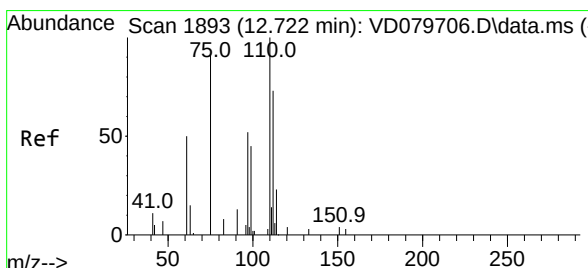
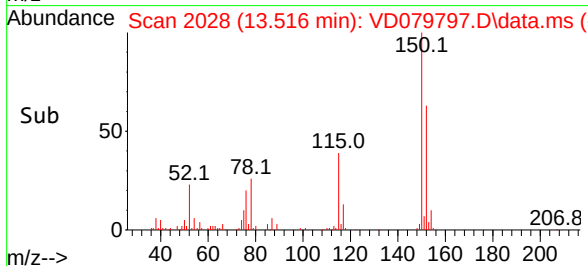
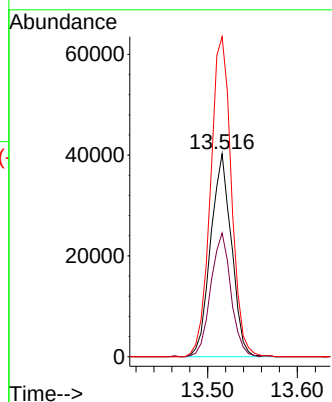
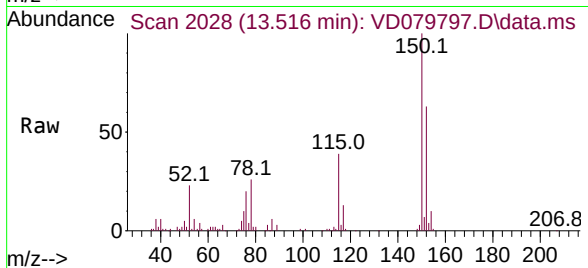
Tgt Ion:152 Resp: 64959

Ion Ratio Lower Upper

152 100

115 58.9 26.5 79.5

150 157.8 0.0 341.6



#76

1,2,3-Trichloropropane

Concen: 55.578 ug/l

RT: 12.569 min Scan# 1867

Delta R.T. -0.153 min

Lab File: VD079797.D

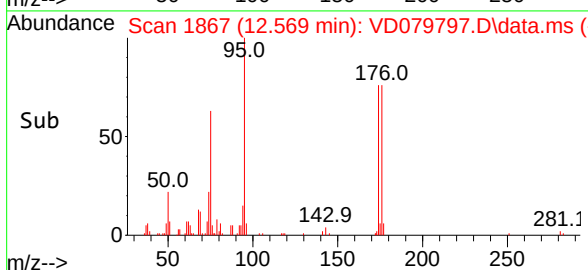
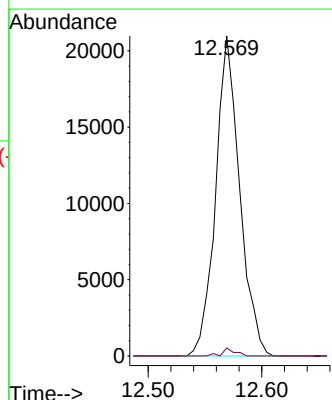
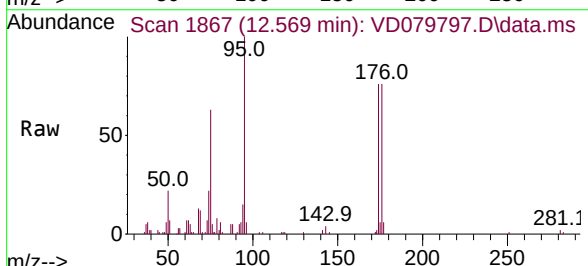
Acq: 06 Sep 2024 14:39

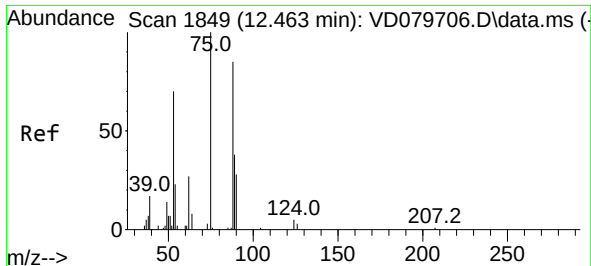
Tgt Ion: 75 Resp: 30857

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#

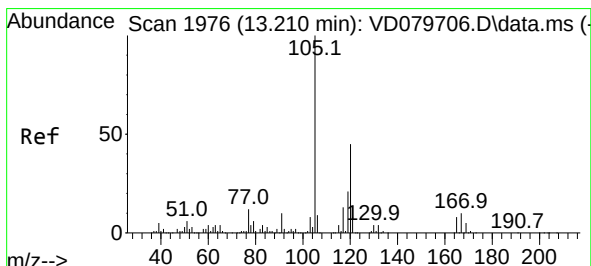
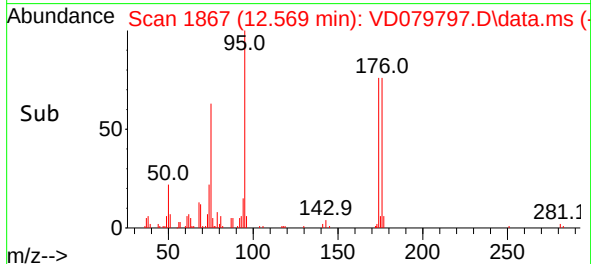
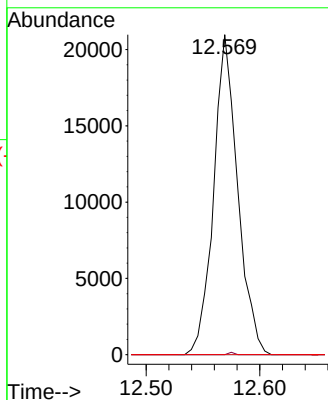
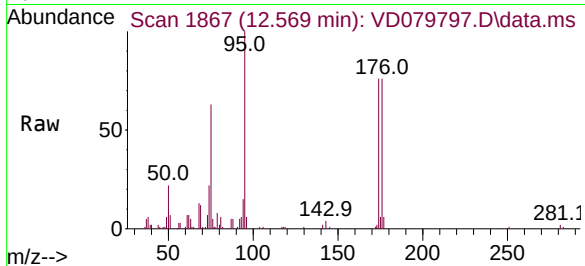




#81
trans-1,4-Dichloro-2-butene
Concen: 92.698 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. 0.106 min
Lab File: VD079797.D
Acq: 06 Sep 2024 14:39

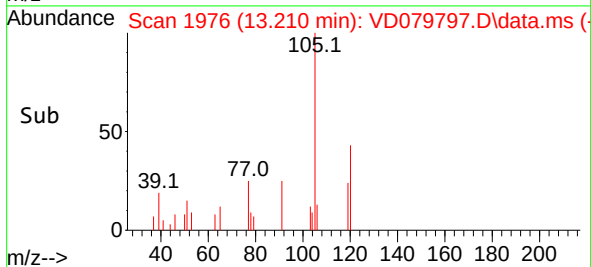
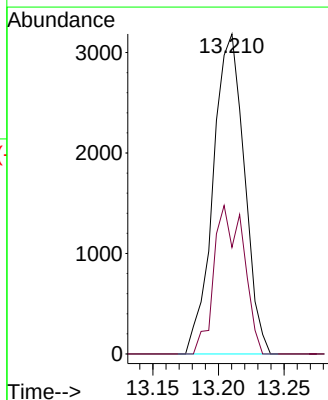
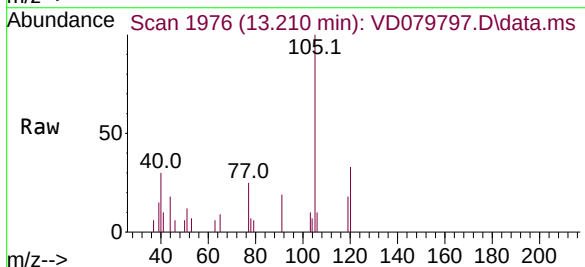
Instrument :
MSVOA_D
ClientSampleId :
901RE

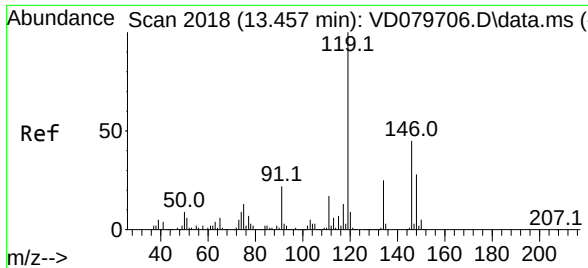
Tgt Ion: 75 Resp: 30857
Ion Ratio Lower Upper
75 100
53 0.2 61.4 92.2#
89 0.0 35.4 53.0#



#84
1,2,4-Trimethylbenzene
Concen: 1.330 ug/l
RT: 13.210 min Scan# 1976
Delta R.T. 0.000 min
Lab File: VD079797.D
Acq: 06 Sep 2024 14:39

Tgt Ion: 105 Resp: 5272
Ion Ratio Lower Upper
105 100
120 44.0 23.6 71.0





#86
 p-Isopropyltoluene
 Concen: 4.152 ug/l
 RT: 13.457 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VD079797.D
 Acq: 06 Sep 2024 14:39

Instrument :
 MSVOA_D
 ClientSampleId :
 901RE

Tgt Ion:	119	Resp:	2059
Ion	Ratio	Lower	Upper
119	100		
134	18.1	13.7	41.1
91	31.2	10.7	32.1

