

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD101322\
 Data File : VD074527.D
 Acq On : 13 Oct 2022 14:12
 Operator : VA/SY
 Sample : N5066-05RE
 Misc : 5.47G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 B-6(13-14)

Quant Time: Oct 13 16:57:34 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D101122S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 12 13:14:00 2022
 Response via : Initial Calibration

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

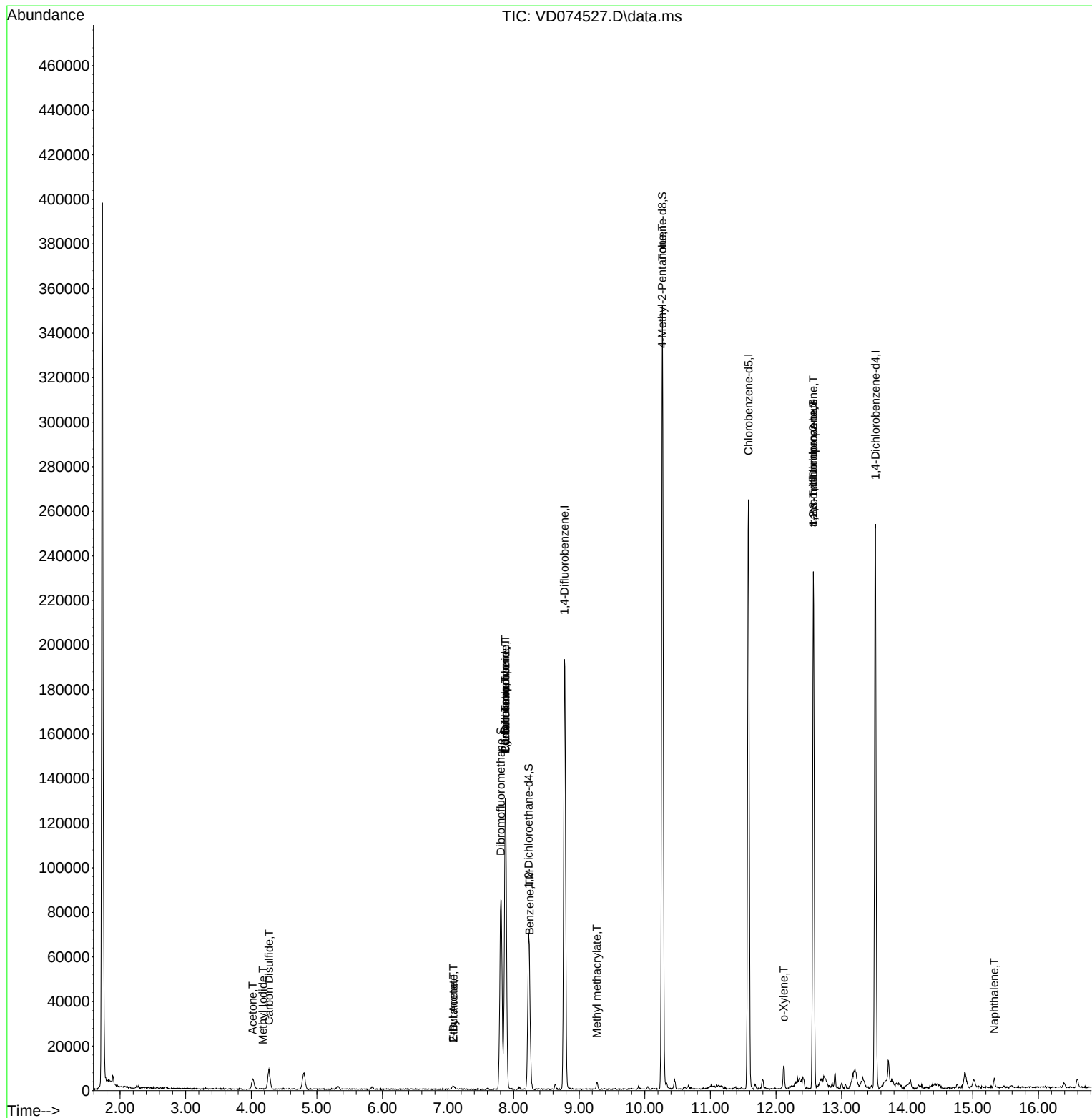
Internal Standards						
1) Pentafluorobenzene	7.875	168	106468	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	186728	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	165944	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	74785	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	52327	57.099	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	114.200%
35) Dibromofluoromethane	7.805	113	65765	58.963	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	117.920%
50) Toluene-d8	10.269	98	249942	58.178	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	116.360%
62) 4-Bromofluorobenzene	12.569	95	73654	56.847	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	113.700%
Target Compounds						
						Qvalue
10) Methyl Iodide	4.175	142	527	5.571	ug/l #	43
16) Acetone	4.022	43	8401	42.498	ug/l	96
17) Carbon Disulfide	4.269	76	18038	4.394	ug/l	100
20) Methylene Chloride	4.805	84	6459	Below Cal		95
25) 2-Butanone	7.081	43	1885	6.908	ug/l	97
31) Cyclohexane	7.875	56	2070	1.062	ug/l #	1
36) 1,1-Dichloropropene	7.875	75	7461	4.163	ug/l #	49
37) Ethyl Acetate	7.081	43	1885	3.205	ug/l #	66
38) Carbon Tetrachloride	7.875	117	10165	6.135	ug/l #	17
40) Benzene	8.246	78	10724	2.011	ug/l	95
48) Methyl methacrylate	9.269	41	682	1.304	ug/l #	23
51) 4-Methyl-2-Pentanone	10.263	43	875	1.637	ug/l #	1
69) o-Xylene	12.116	106	3172	1.354	ug/l	96
76) 1,2,3-Trichloropropane	12.569	75	36884	57.711	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.569	75	36884	146.389	ug/l #	17
95) Naphthalene	15.328	128	4632	1.564	ug/l #	96

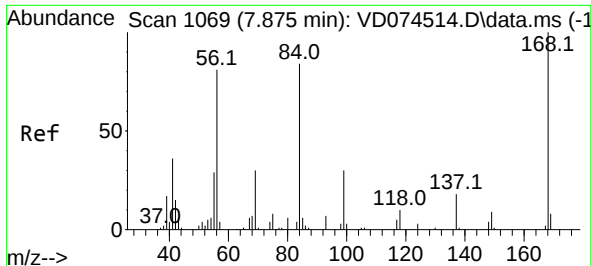
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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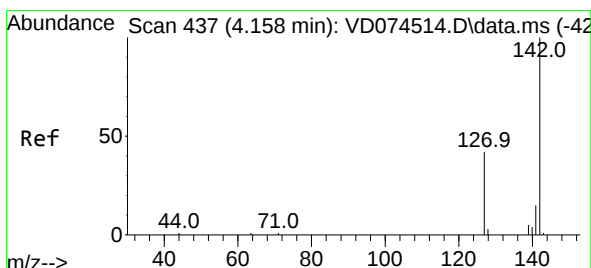
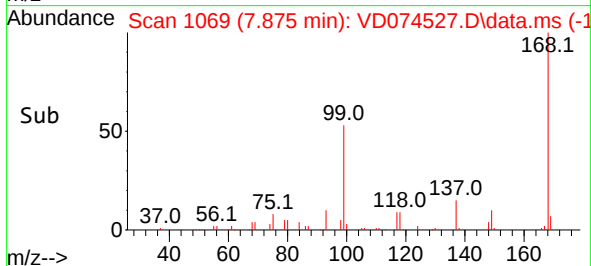
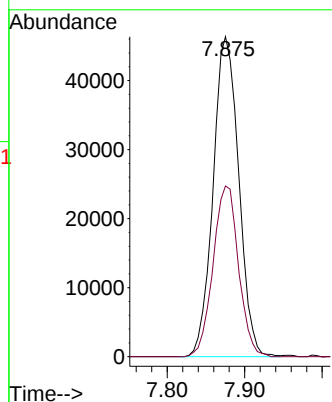
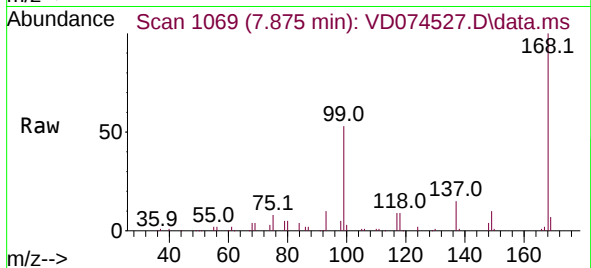




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD074527.D
Acq: 13 Oct 2022 14:12

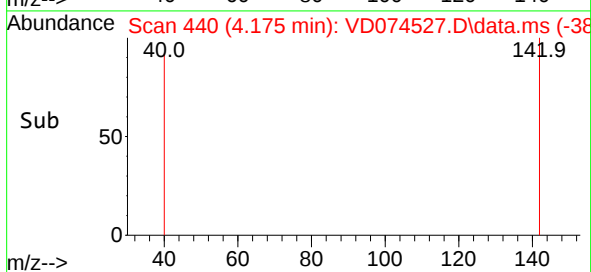
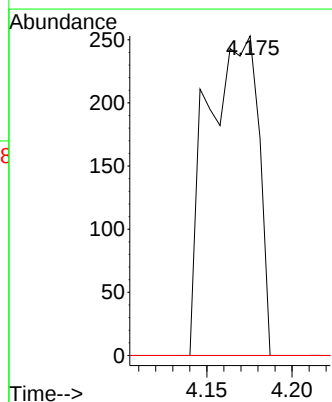
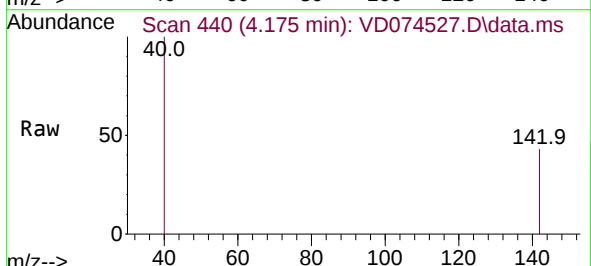
Instrument :
MSVOA_D
ClientSampleId :
B-6(13-14)

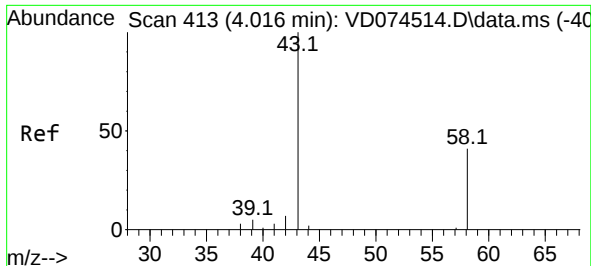
Tgt Ion:168 Resp: 106468
Ion Ratio Lower Upper
168 100
99 53.4 40.9 61.3



#10
Methyl Iodide
Concen: 5.571 ug/l
RT: 4.175 min Scan# 440
Delta R.T. 0.017 min
Lab File: VD074527.D
Acq: 13 Oct 2022 14:12

Tgt Ion:142 Resp: 527
Ion Ratio Lower Upper
142 100
127 0.0 31.9 47.9#
141 0.0 11.4 17.2#

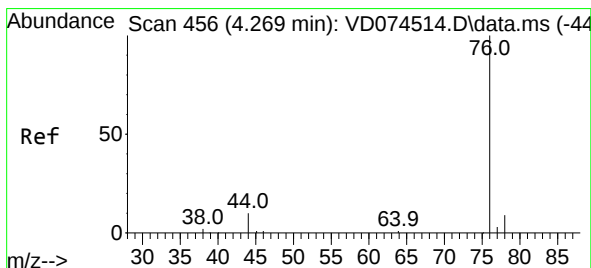
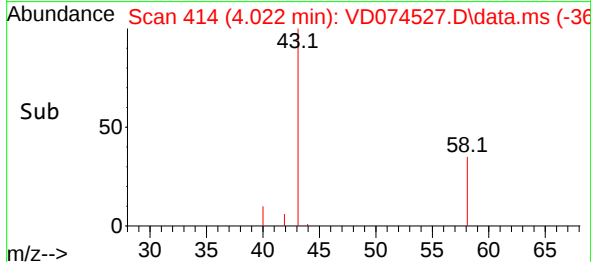
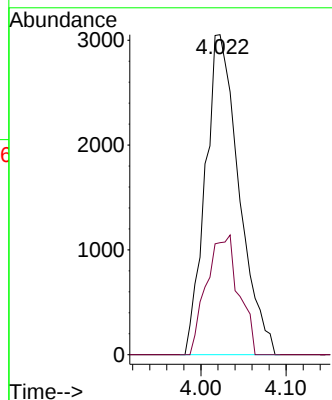
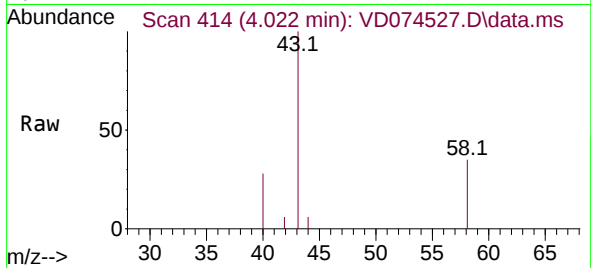




#16
Acetone
Concen: 42.498 ug/l
RT: 4.022 min Scan# 41
Delta R.T. 0.000 min
Lab File: VD074527.D
Acq: 13 Oct 2022 14:12

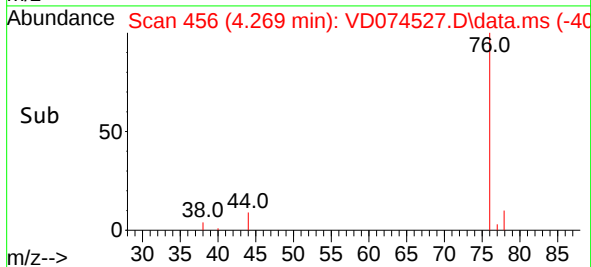
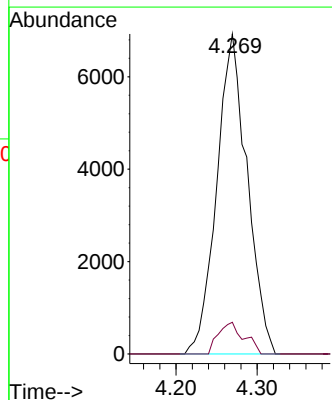
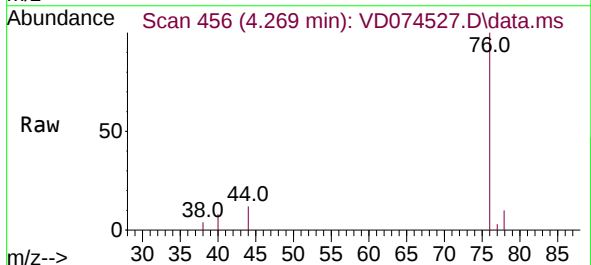
Instrument :
MSVOA_D
ClientSampleId :
B-6(13-14)

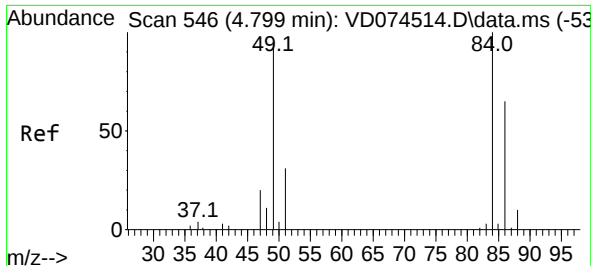
Tgt Ion: 43 Resp: 8401
Ion Ratio Lower Upper
43 100
58 35.0 30.2 45.2



#17
Carbon Disulfide
Concen: 4.394 ug/l
RT: 4.269 min Scan# 456
Delta R.T. 0.000 min
Lab File: VD074527.D
Acq: 13 Oct 2022 14:12

Tgt Ion: 76 Resp: 18038
Ion Ratio Lower Upper
76 100
78 9.9 7.8 11.8





#20

Methylene Chloride

Concen: Below Cal

RT: 4.805 min Scan# 546

Delta R.T. 0.006 min

Lab File: VD074527.D

Acq: 13 Oct 2022 14:12

Instrument :

MSVOA_D

ClientSampleId :

B-6(13-14)

Tgt Ion: 84 Resp: 6459

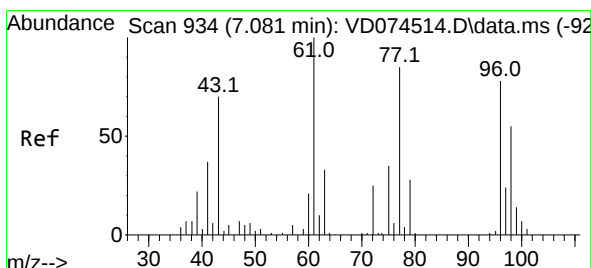
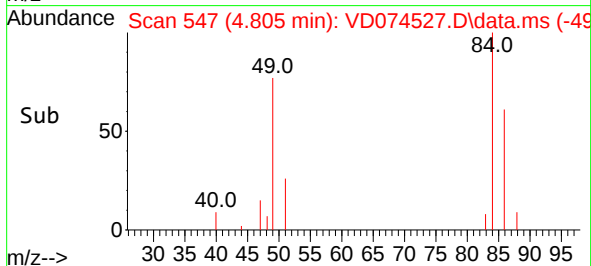
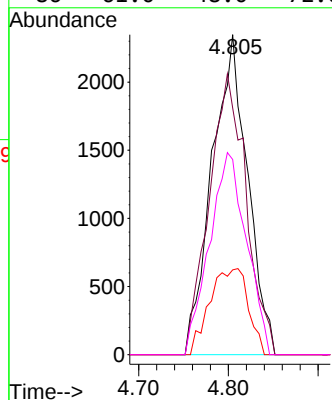
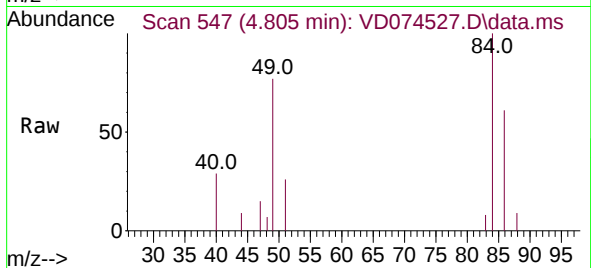
Ion Ratio Lower Upper

84 100

49 77.1 68.0 102.0

51 26.5 23.2 34.8

86 61.0 48.0 72.0



#25

2-Butanone

Concen: 6.908 ug/l

RT: 7.081 min Scan# 934

Delta R.T. 0.000 min

Lab File: VD074527.D

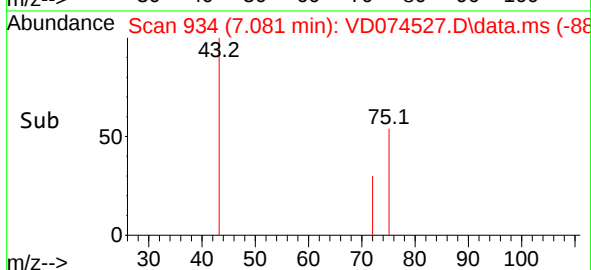
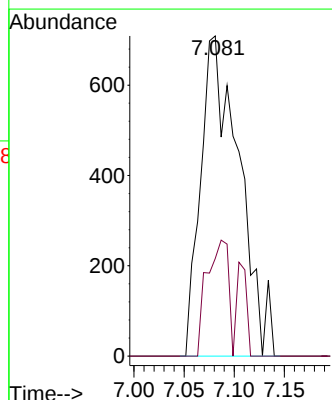
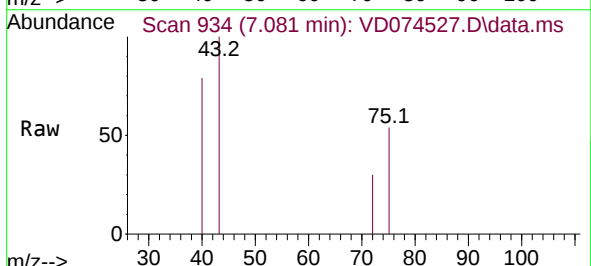
Acq: 13 Oct 2022 14:12

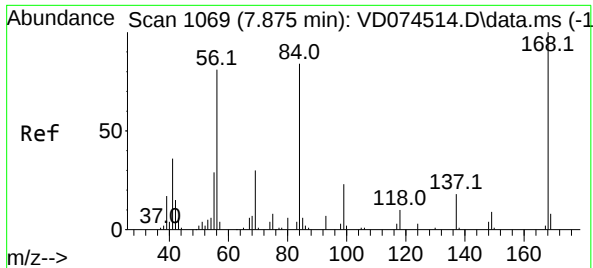
Tgt Ion: 43 Resp: 1885

Ion Ratio Lower Upper

43 100

72 30.5 25.8 38.8

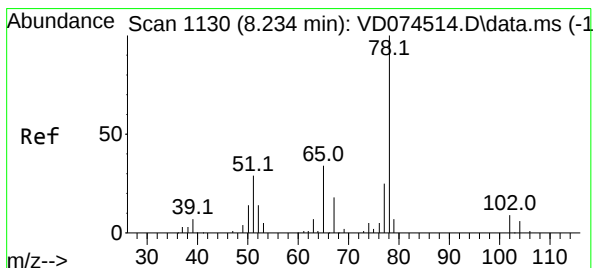
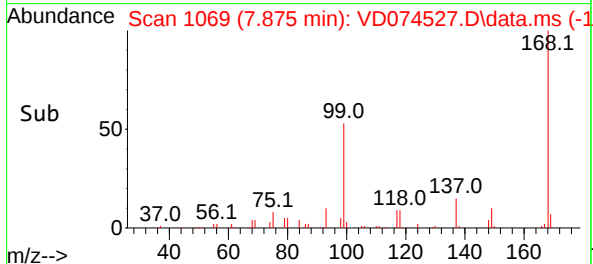
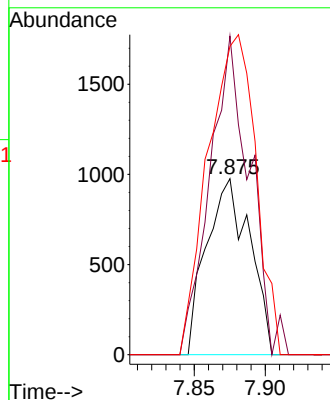
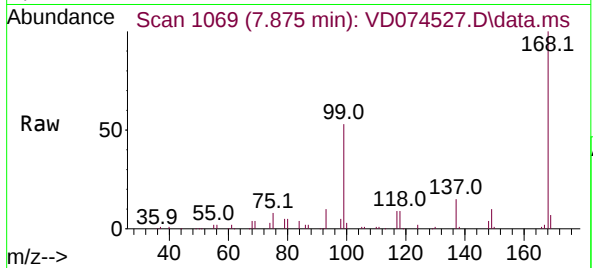




#31
Cyclohexane
Concen: 1.062 ug/l
RT: 7.875 min Scan# 1109
Delta R.T. 0.000 min
Lab File: VD074527.D
Acq: 13 Oct 2022 14:12

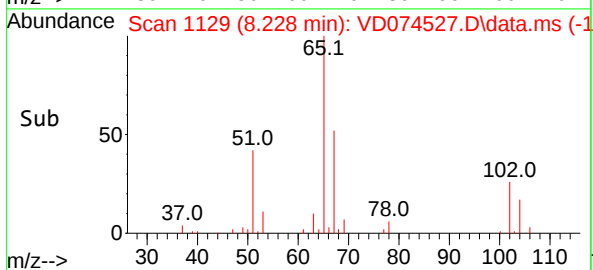
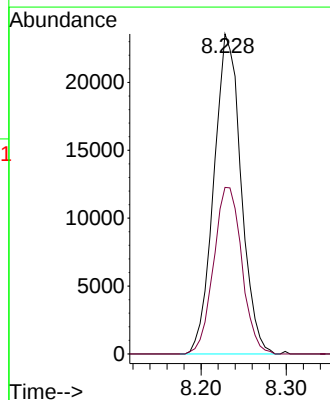
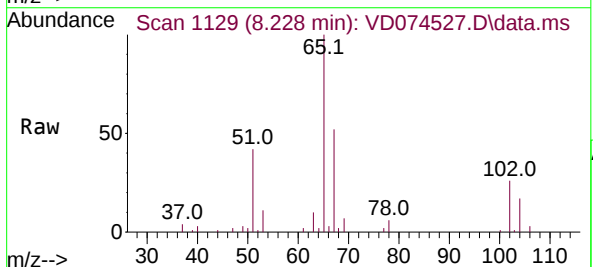
Instrument :
MSVOA_D
ClientSampleId :
B-6(13-14)

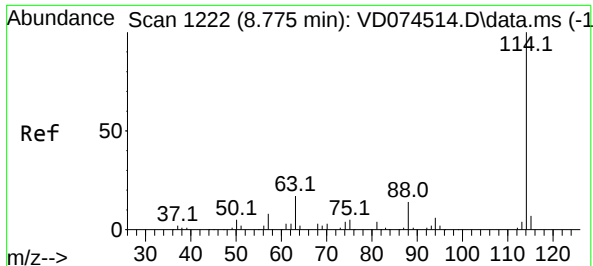
Tgt Ion: 56 Resp: 2070
Ion Ratio Lower Upper
56 100
69 181.0 29.2 43.8#
84 175.2 83.4 125.2#



#33
1,2-Dichloroethane-d4
Concen: 57.099 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. 0.000 min
Lab File: VD074527.D
Acq: 13 Oct 2022 14:12

Tgt Ion: 65 Resp: 52327
Ion Ratio Lower Upper
65 100
67 53.9 0.0 110.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1

Delta R.T. 0.000 min

Lab File: VD074527.D

Acq: 13 Oct 2022 14:12

Instrument :

MSVOA_D

ClientSampleId :

B-6(13-14)

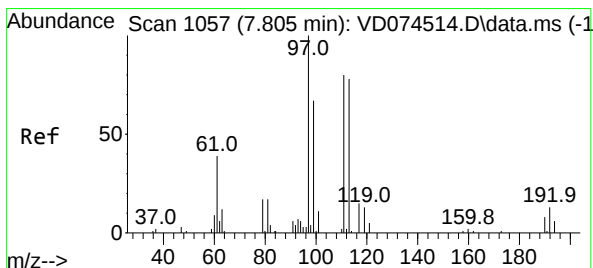
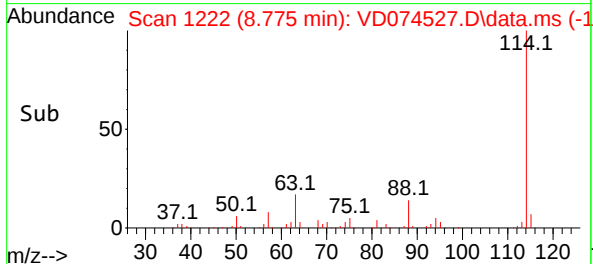
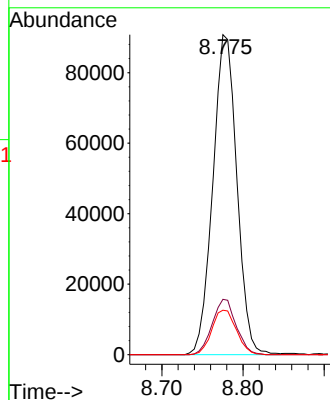
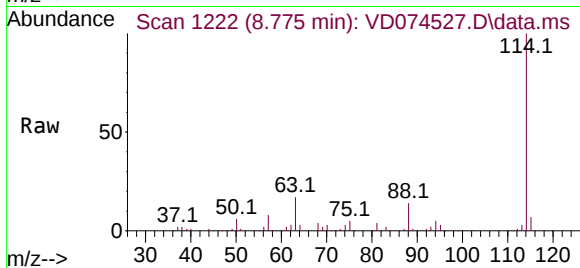
Tgt Ion:114 Resp: 186728

Ion Ratio Lower Upper

114 100

63 17.3 0.0 33.2

88 13.9 0.0 28.2



#35

Dibromofluoromethane

Concen: 58.963 ug/l

RT: 7.805 min Scan# 1057

Delta R.T. 0.001 min

Lab File: VD074527.D

Acq: 13 Oct 2022 14:12

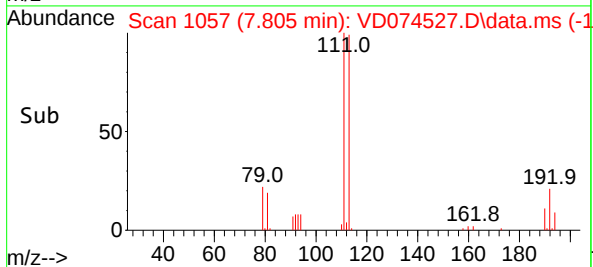
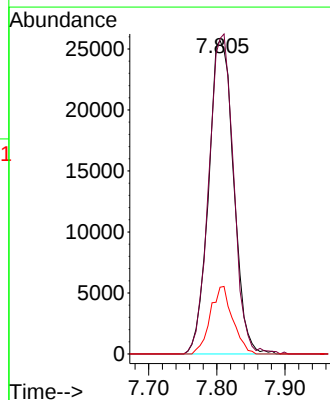
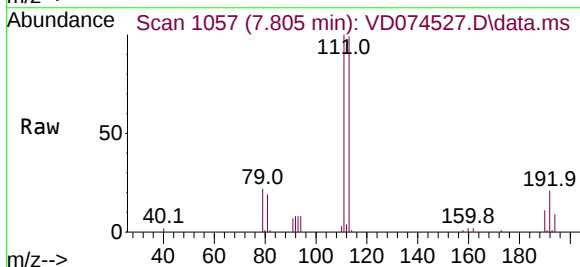
Tgt Ion:113 Resp: 65765

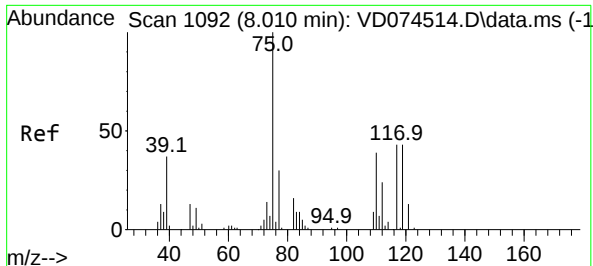
Ion Ratio Lower Upper

113 100

111 100.4 82.3 123.5

192 19.2 16.4 24.6





#36

1,1-Dichloropropene

Concen: 4.163 ug/l

RT: 7.875 min Scan# 1092

Delta R.T. -0.129 min

Lab File: VD074527.D

Acq: 13 Oct 2022 14:12

Instrument :

MSVOA_D

ClientSampleId :

B-6(13-14)

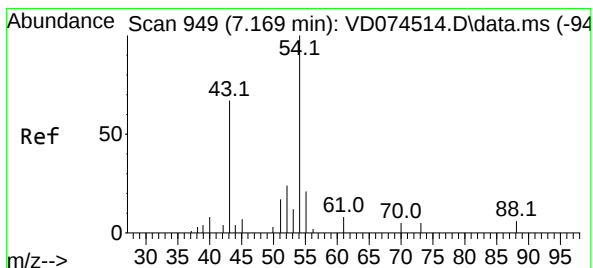
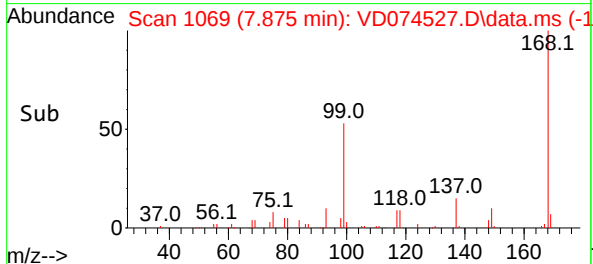
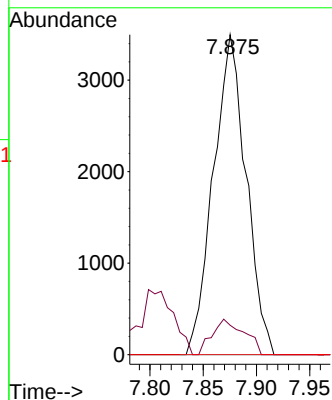
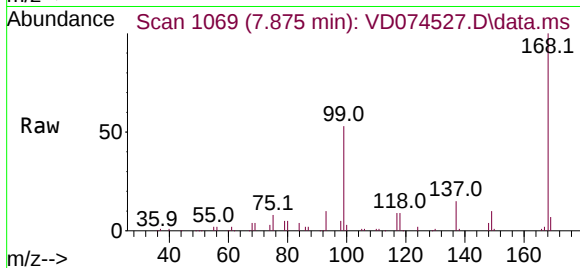
Tgt Ion: 75 Resp: 7461

Ion Ratio Lower Upper

75 100

110 10.9 19.7 59.0#

77 0.0 25.4 38.2#



#37

Ethyl Acetate

Concen: 3.205 ug/l

RT: 7.081 min Scan# 934

Delta R.T. -0.088 min

Lab File: VD074527.D

Acq: 13 Oct 2022 14:12

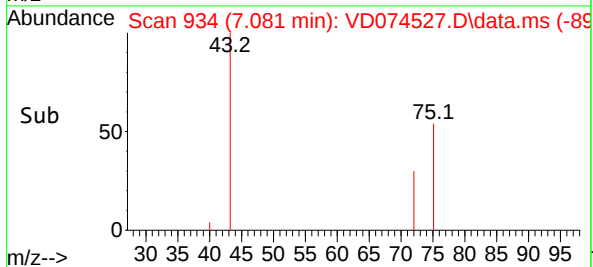
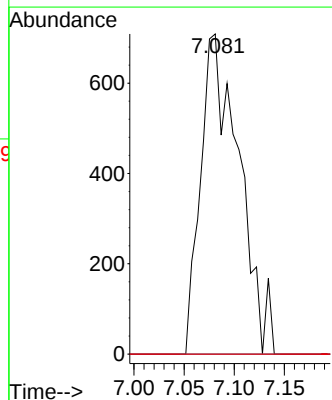
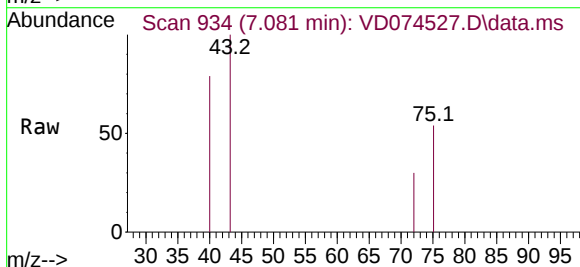
Tgt Ion: 43 Resp: 1885

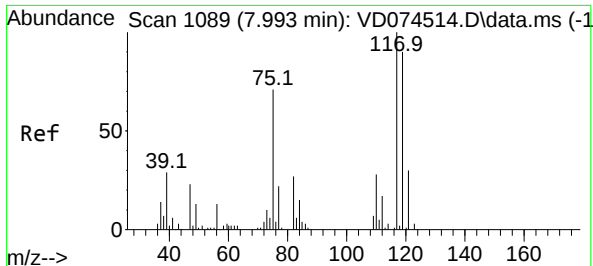
Ion Ratio Lower Upper

43 100

61 0.0 12.2 18.4#

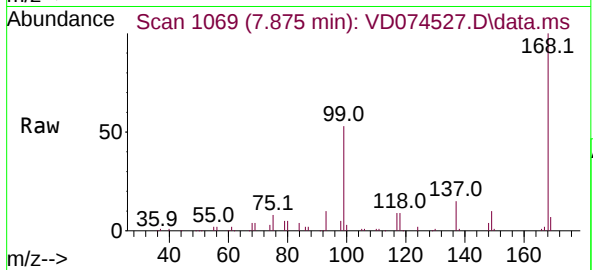
70 0.0 9.6 14.4#



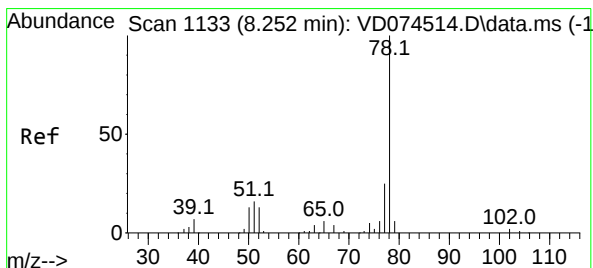
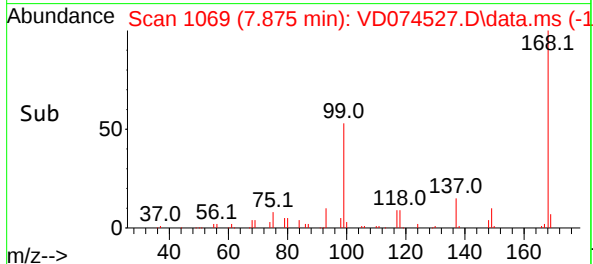
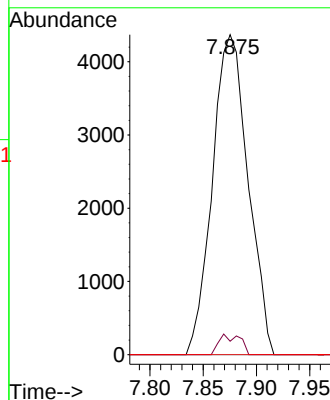


#38
Carbon Tetrachloride
Concen: 6.135 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.112 min
Lab File: VD074527.D
Acq: 13 Oct 2022 14:12

Instrument :
MSVOA_D
ClientSampleId :
B-6(13-14)

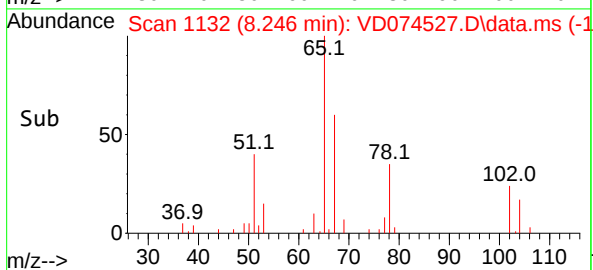
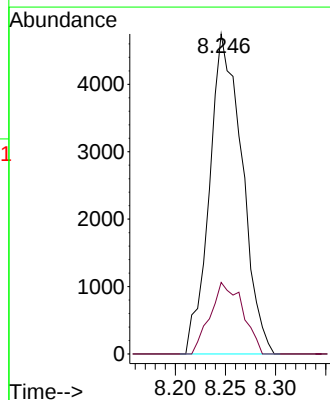
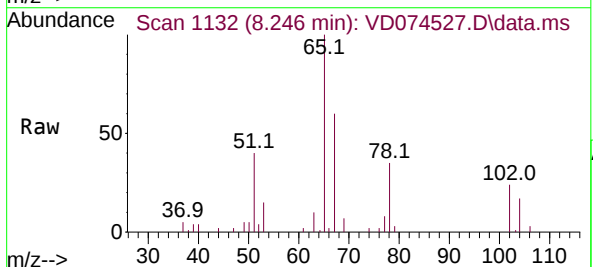


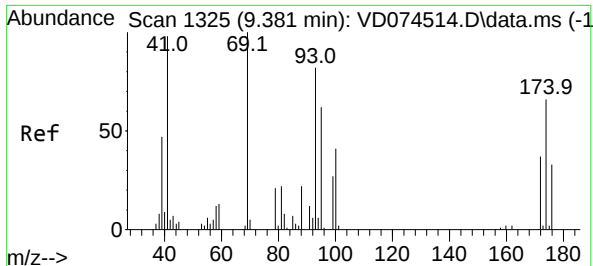
Tgt Ion:117 Resp: 10165
Ion Ratio Lower Upper
117 100
119 4.2 73.1 109.7#
121 0.0 25.0 37.6#



#40
Benzene
Concen: 2.011 ug/l
RT: 8.246 min Scan# 1132
Delta R.T. -0.006 min
Lab File: VD074527.D
Acq: 13 Oct 2022 14:12

Tgt Ion: 78 Resp: 10724
Ion Ratio Lower Upper
78 100
77 22.4 20.1 30.1

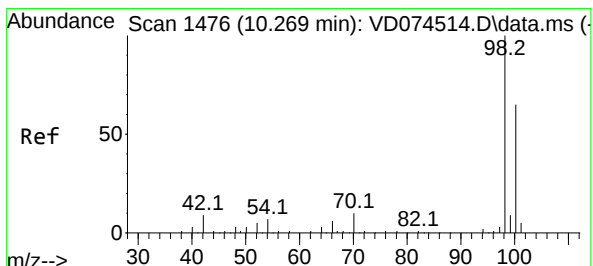
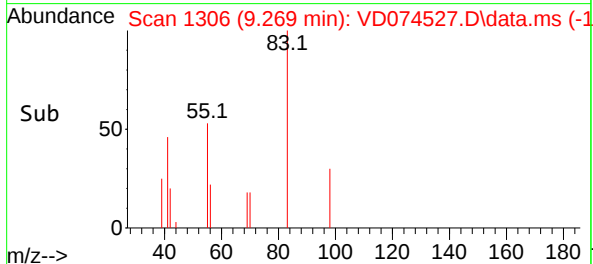
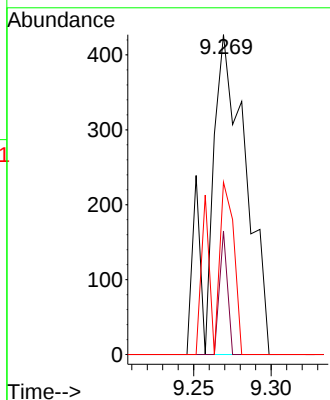
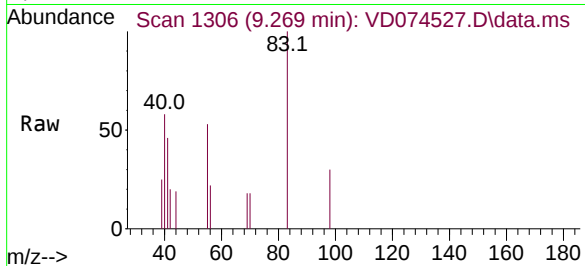




#48
Methyl methacrylate
Concen: 1.304 ug/l
RT: 9.269 min Scan# 11
Delta R.T. -0.112 min
Lab File: VD074527.D
Acq: 13 Oct 2022 14:12

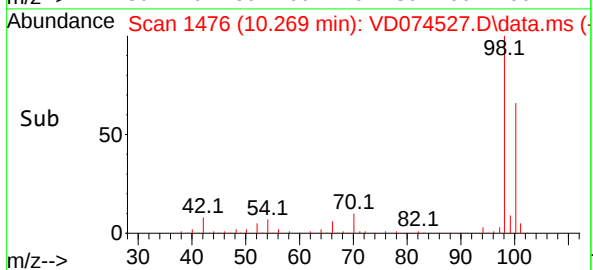
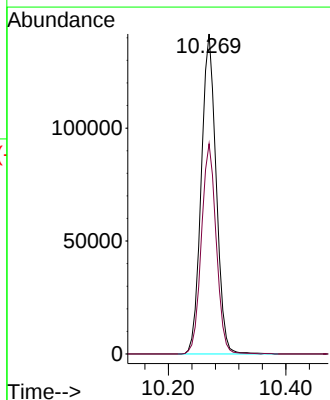
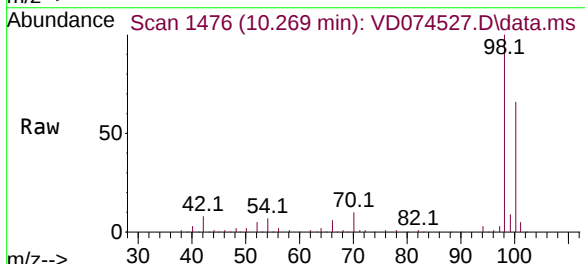
Instrument :
MSVOA_D
ClientSampleId :
B-6(13-14)

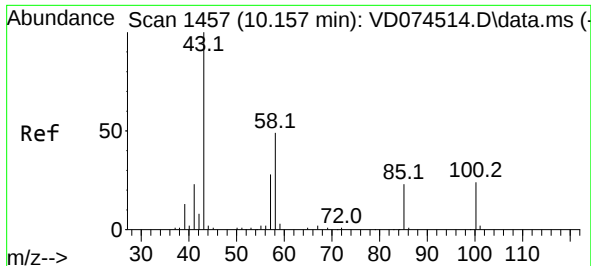
Tgt Ion: 41 Resp: 682
Ion Ratio Lower Upper
41 100
69 8.5 93.0 139.4#
39 32.3 44.6 66.8#



#50
Toluene-d8
Concen: 58.178 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD074527.D
Acq: 13 Oct 2022 14:12

Tgt Ion: 98 Resp: 249942
Ion Ratio Lower Upper
98 100
100 65.2 51.4 77.0

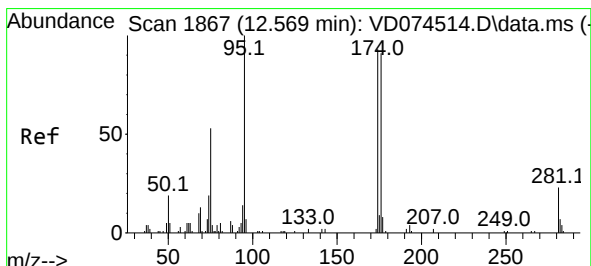
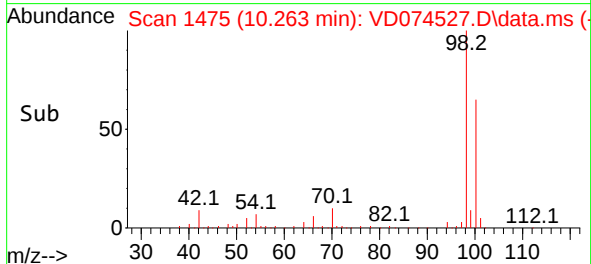
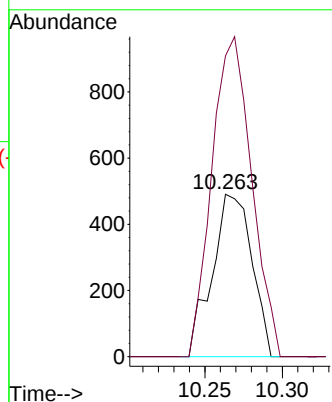
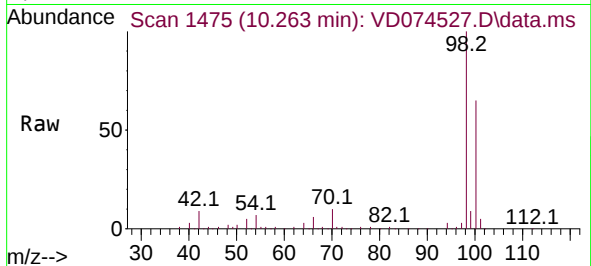




#51
4-Methyl-2-Pentanone
Concen: 1.637 ug/l
RT: 10.263 min Scan# 1457
Delta R.T. 0.106 min
Lab File: VD074527.D
Acq: 13 Oct 2022 14:12

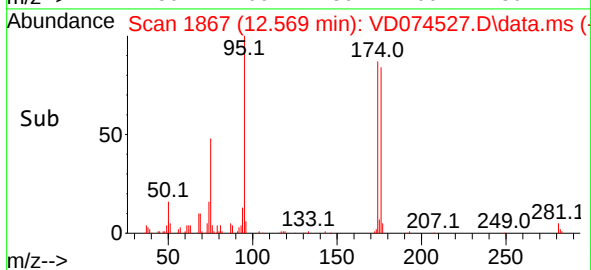
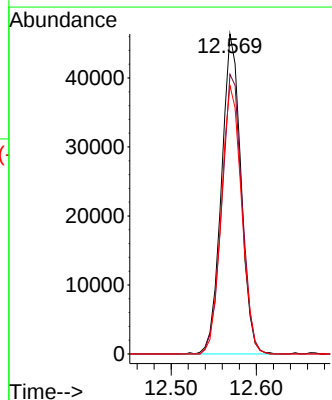
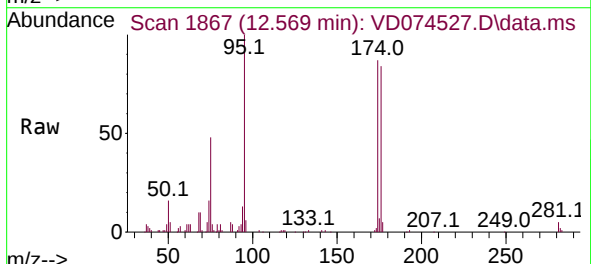
Instrument :
MSVOA_D
ClientSampleId :
B-6(13-14)

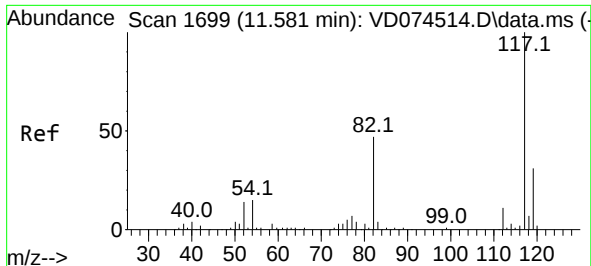
Tgt Ion: 43 Resp: 875
Ion Ratio Lower Upper
43 100
58 197.5 37.8 56.6#



#62
4-Bromofluorobenzene
Concen: 56.847 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. 0.000 min
Lab File: VD074527.D
Acq: 13 Oct 2022 14:12

Tgt Ion: 95 Resp: 73654
Ion Ratio Lower Upper
95 100
174 90.3 0.0 197.0
176 87.2 0.0 182.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.581 min Scan# 1

Delta R.T. -0.000 min

Lab File: VD074527.D

Acq: 13 Oct 2022 14:12

Instrument :

MSVOA_D

ClientSampleId :

B-6(13-14)

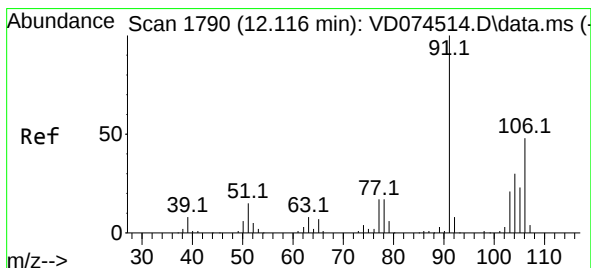
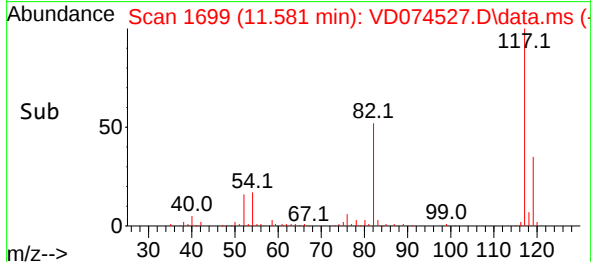
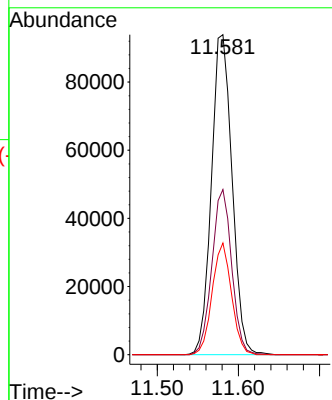
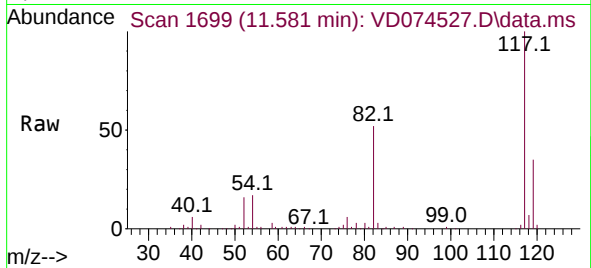
Tgt Ion:117 Resp: 165944

Ion Ratio Lower Upper

117 100

82 51.6 41.6 62.4

119 34.9 25.2 37.8



#69

o-Xylene

Concen: 1.354 ug/l

RT: 12.116 min Scan# 1790

Delta R.T. 0.000 min

Lab File: VD074527.D

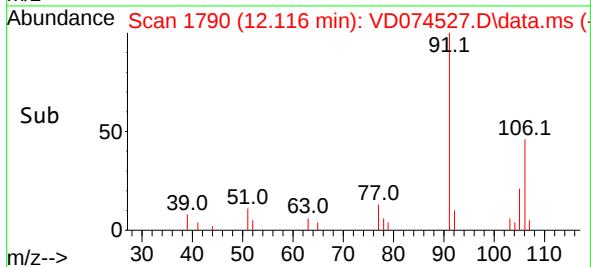
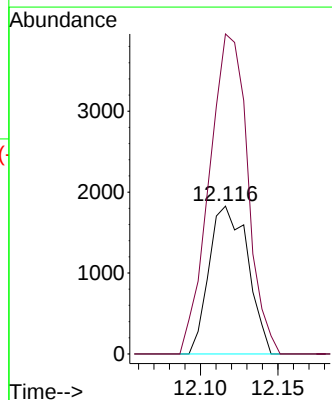
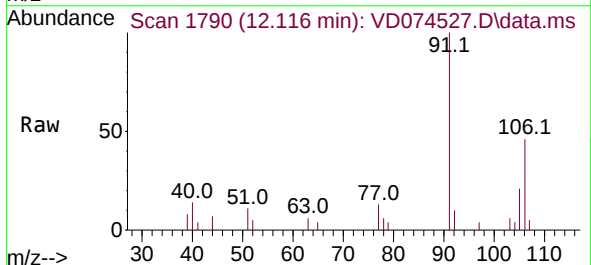
Acq: 13 Oct 2022 14:12

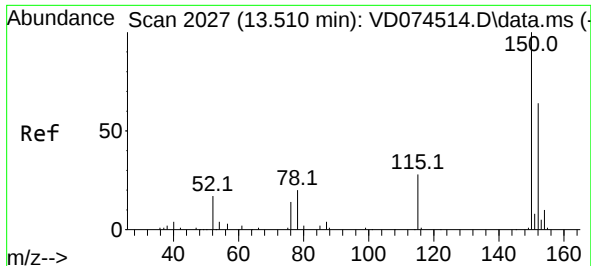
Tgt Ion:106 Resp: 3172

Ion Ratio Lower Upper

106 100

91 215.0 104.5 313.3

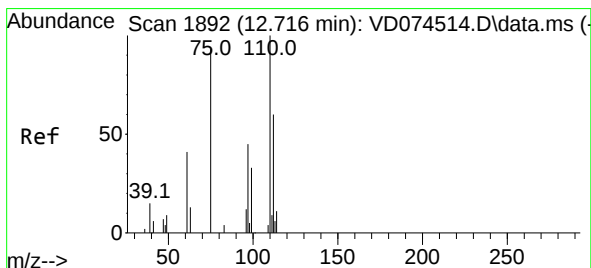
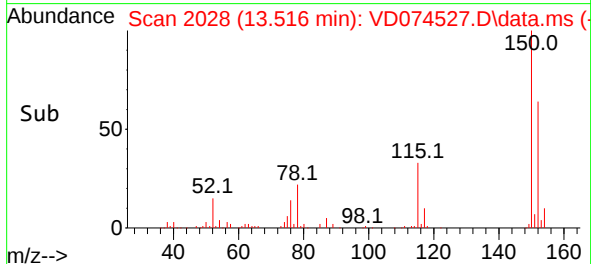
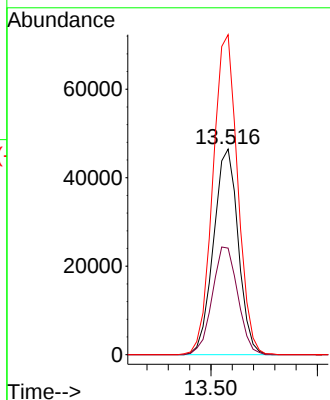
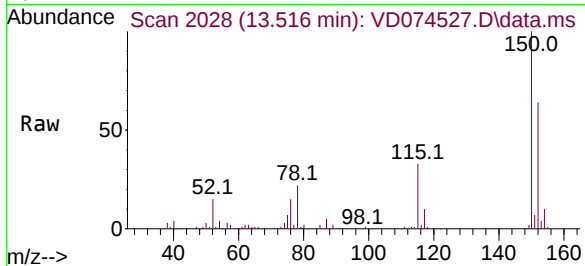




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.516 min Scan# 20
 Delta R.T. 0.006 min
 Lab File: VD074527.D
 Acq: 13 Oct 2022 14:12

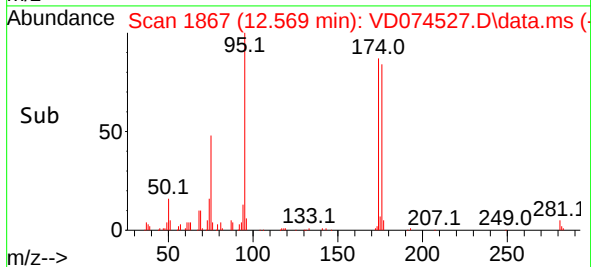
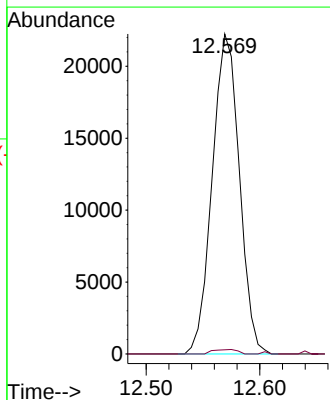
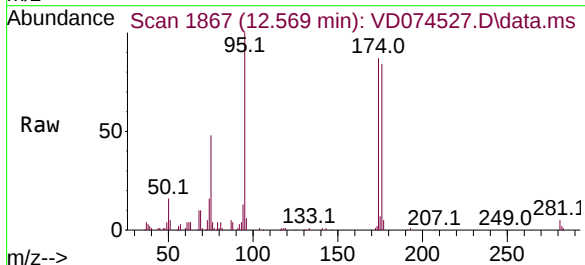
Instrument :
 MSVOA_D
 ClientSampleId :
 B-6(13-14)

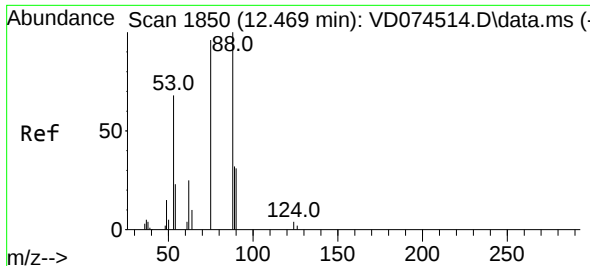
Tgt Ion:152 Resp: 74785
 Ion Ratio Lower Upper
 152 100
 115 54.2 26.8 80.4
 150 155.7 0.0 348.2



#76
 1,2,3-Trichloropropane
 Concen: 57.711 ug/l
 RT: 12.569 min Scan# 1867
 Delta R.T. -0.147 min
 Lab File: VD074527.D
 Acq: 13 Oct 2022 14:12

Tgt Ion: 75 Resp: 36884
 Ion Ratio Lower Upper
 75 100
 77 1.3 185.8 557.5#

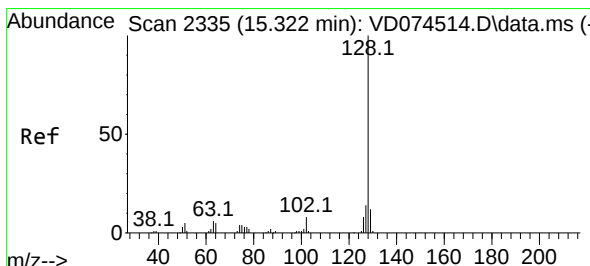
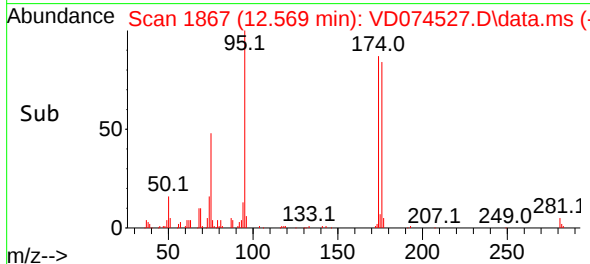
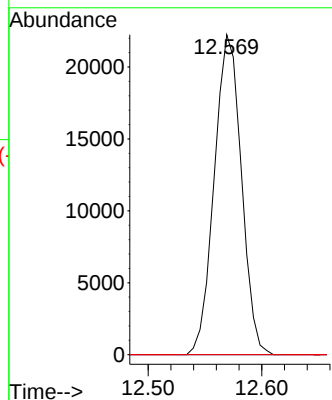
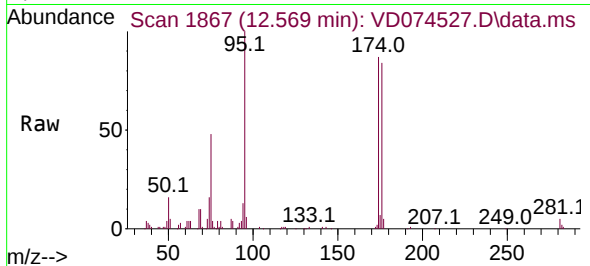




#81
trans-1,4-Dichloro-2-butene
Concen: 146.389 ug/l
RT: 12.569 min Scan# 1850
Delta R.T. 0.106 min
Lab File: VD074527.D
Acq: 13 Oct 2022 14:12

Instrument :
MSVOA_D
ClientSampleId :
B-6(13-14)

Tgt Ion: 75 Resp: 36884
Ion Ratio Lower Upper
75 100
53 0.0 63.8 95.6#
89 0.0 38.2 57.4#



#95
Naphthalene
Concen: 1.564 ug/l
RT: 15.328 min Scan# 2336
Delta R.T. -0.000 min
Lab File: VD074527.D
Acq: 13 Oct 2022 14:12

Tgt Ion: 128 Resp: 4632
Ion Ratio Lower Upper
128 100
127 12.3 10.6 16.0
129 8.1 8.3 12.5#

