

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092122\
 Data File : VD074390.D
 Acq On : 21 Sep 2022 15:42
 Operator : VA/SY
 Sample : N4668-03RE
 Misc : 5.85G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Sep 22 05:12:45 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D091622S.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 17 04:16:54 2022
 Response via : Initial Calibration

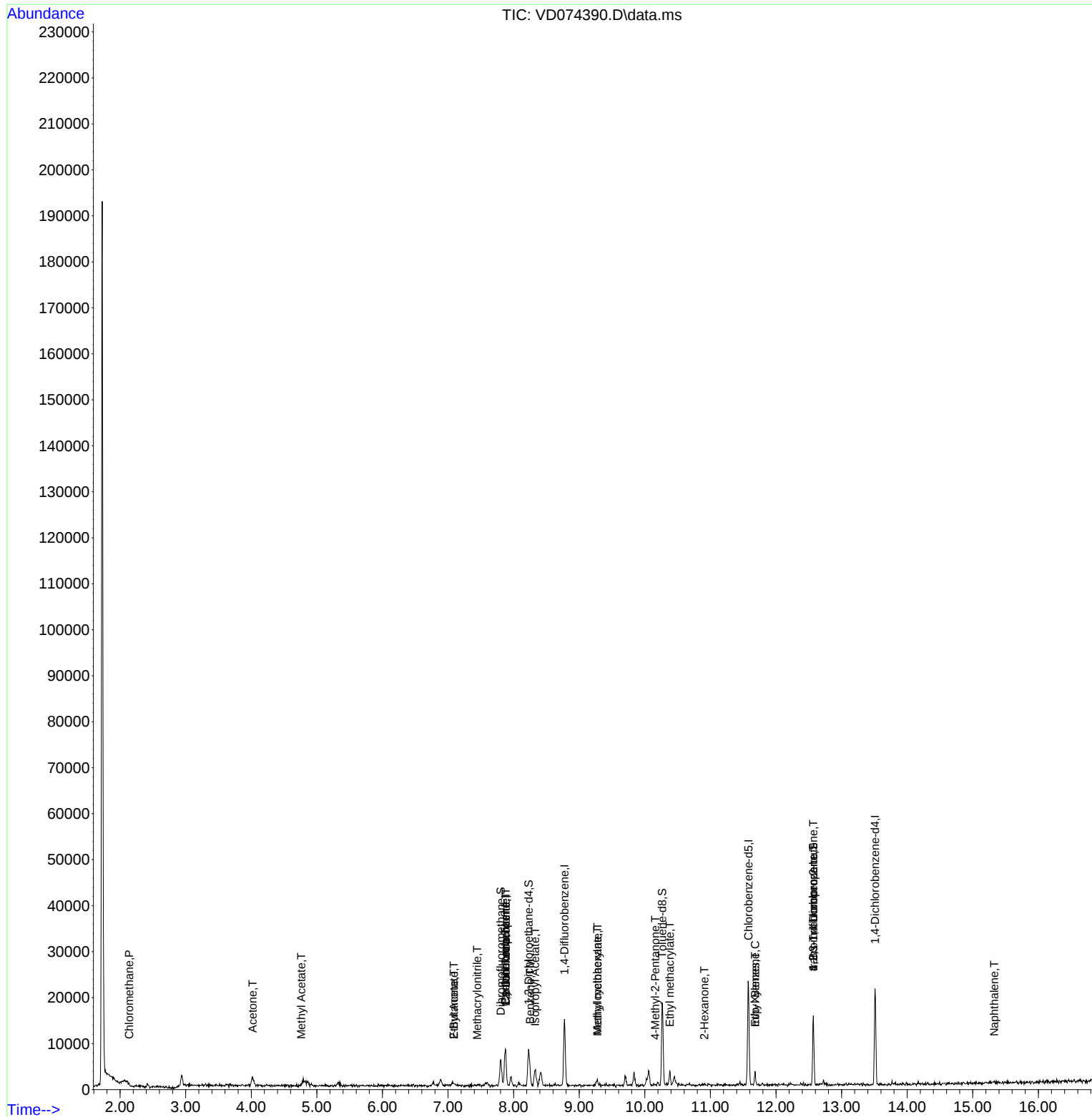
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.875	168	6267	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	12889	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	12459	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.510	152	6282	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	5740	94.034	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	188.060%#
35) Dibromofluoromethane	7.805	113	4178	49.218	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.440%
50) Toluene-d8	10.263	98	12471	42.577	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	85.160%
62) 4-Bromofluorobenzene	12.569	95	4547	45.265	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	90.540%
Target Compounds						
					Qvalue	
3) Chloromethane	2.140	50	279	5.082	ug/l #	42
16) Acetone	4.022	43	3125	227.237	ug/l #	75
18) Methyl Acetate	4.764	43	343	7.981	ug/l #	51
20) Methylene Chloride	4.793	84	249	Below Cal	#	13
25) 2-Butanone	7.087	43	1058	51.652	ug/l #	48
31) Cyclohexane	7.875	56	526	4.109	ug/l #	71
36) 1,1-Dichloropropene	7.881	75	286	2.207	ug/l #	42
37) Ethyl Acetate	7.087	43	1058	20.380	ug/l #	67
38) Carbon Tetrachloride	7.881	117	413	3.597	ug/l #	11
39) Methylcyclohexane	9.275	83	553	3.528	ug/l #	66
40) Benzene	8.252	78	2220	6.110	ug/l	96
41) Methacrylonitrile	7.446	41	59	2.094	ug/l #	25
43) Isopropyl Acetate	8.328	43	1027	10.723	ug/l #	51
48) Methyl methacrylate	9.281	41	71	1.532	ug/l #	27
51) 4-Methyl-2-Pentanone	10.157	43	151	3.001	ug/l #	34
56) Ethyl methacrylate	10.381	69	256	3.156	ug/l #	38
59) 2-Hexanone	10.910	43	93	2.642	ug/l #	22
67) Ethyl Benzene	11.681	91	2456	5.216	ug/l #	68
68) m/p-Xylenes	11.681	106	745	4.130	ug/l #	13
76) 1,2,3-Trichloropropane	12.569	75	2439	41.963	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.569	75	2439	105.170	ug/l #	100
95) Naphthalene	15.328	128	249	1.088	ug/l #	68

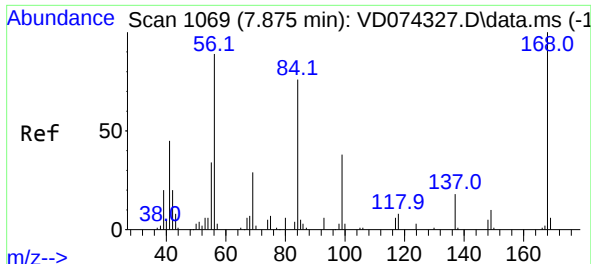
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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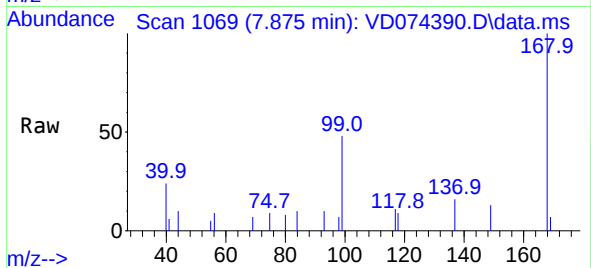
Quant Time: Sep 22 05:12:45 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D091622S.M
Quant Title : SW846 8260
QLast Update : Sat Sep 17 04:16:54 2022
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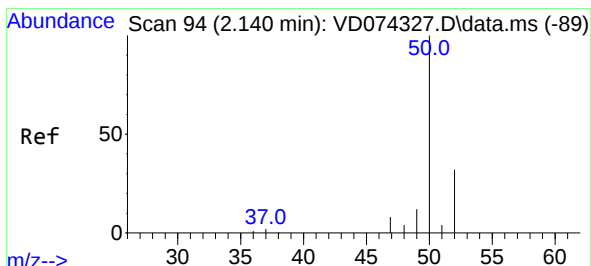
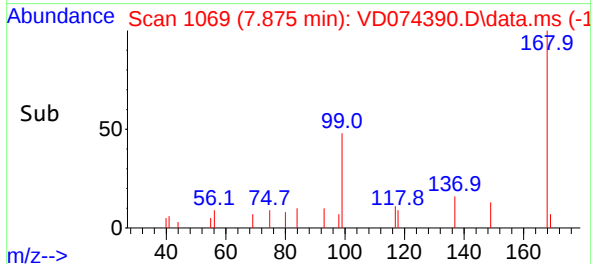
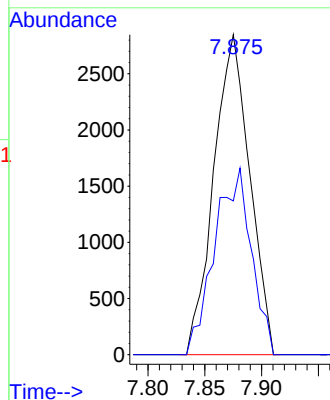


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD074390.D
Acq: 21 Sep 2022 15:42

Instrument :
MSVOA_D
ClientSampleId :

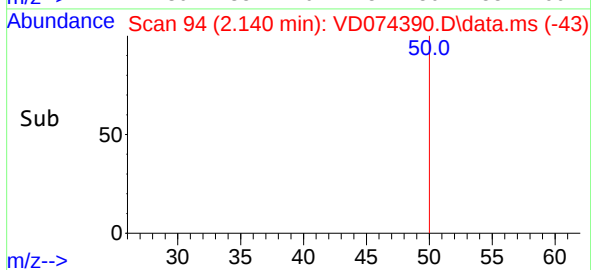
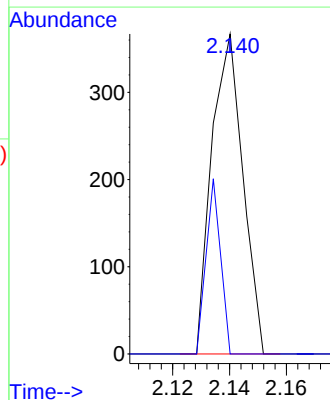
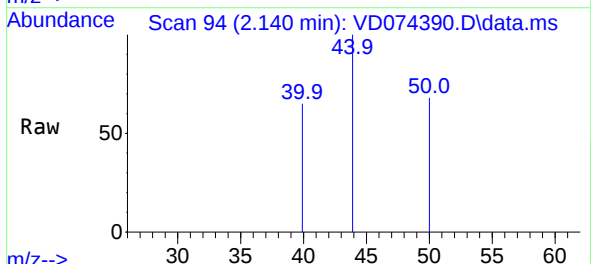


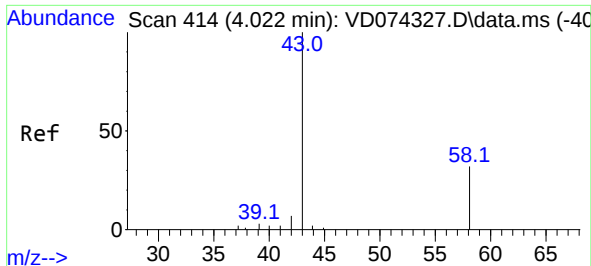
Tgt Ion:168 Resp: 6267
Ion Ratio Lower Upper
168 100
99 48.1 43.0 64.6



#3
Chloromethane
Concen: 5.082 ug/l
RT: 2.140 min Scan# 94
Delta R.T. 0.000 min
Lab File: VD074390.D
Acq: 21 Sep 2022 15:42

Tgt Ion: 50 Resp: 279
Ion Ratio Lower Upper
50 100
52 0.0 25.8 38.8#

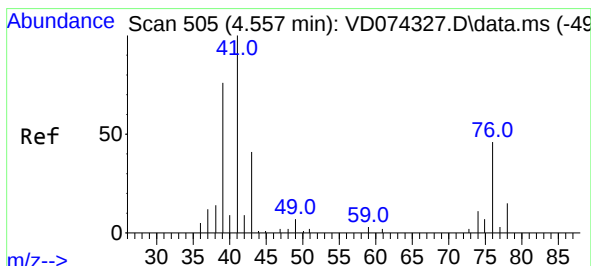
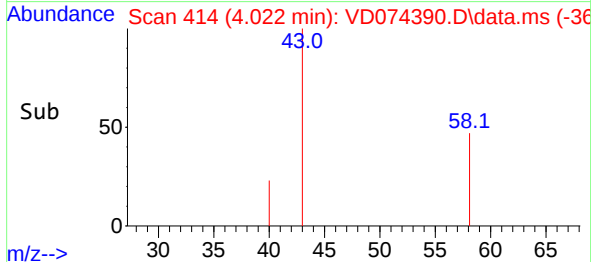
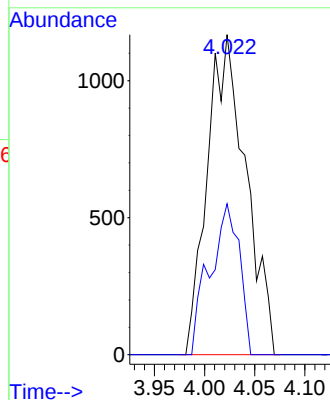
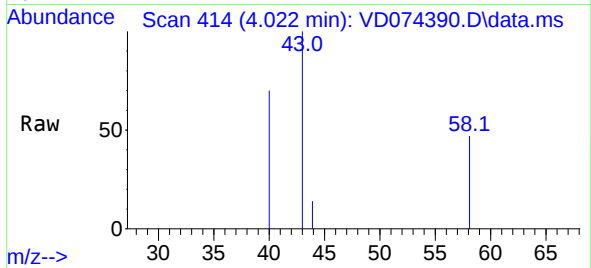




#16
Acetone
Concen: 227.237 ug/l
RT: 4.022 min Scan# 414
Delta R.T. 0.000 min
Lab File: VD074390.D
Acq: 21 Sep 2022 15:42

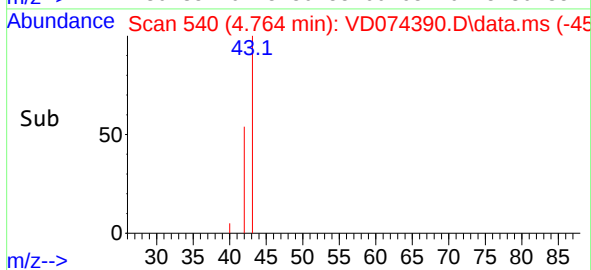
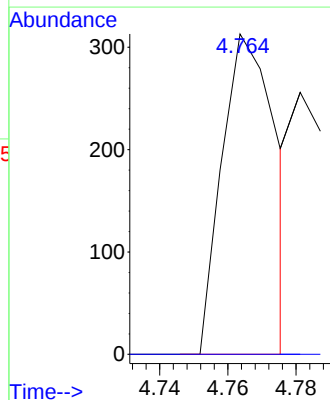
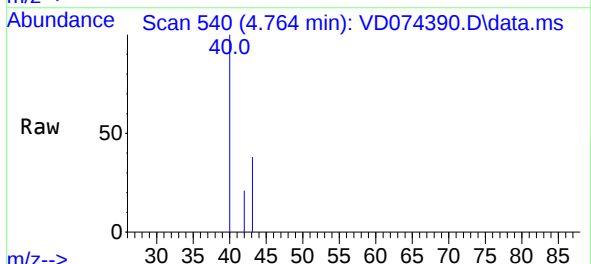
Instrument :
MSVOA_D
ClientSampleId :

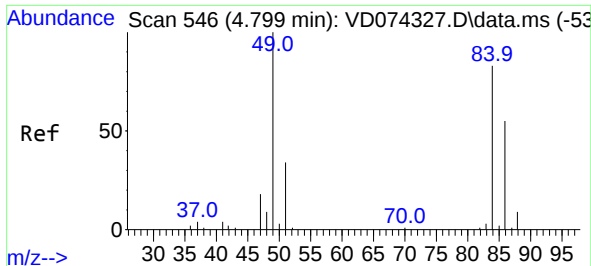
Tgt Ion: 43 Resp: 3125
Ion Ratio Lower Upper
43 100
58 47.2 26.4 39.6#



#18
Methyl Acetate
Concen: 7.981 ug/l
RT: 4.764 min Scan# 540
Delta R.T. 0.207 min
Lab File: VD074390.D
Acq: 21 Sep 2022 15:42

Tgt Ion: 43 Resp: 343
Ion Ratio Lower Upper
43 100
74 0.0 19.3 28.9#





#20

Methylene Chloride

Concen: Below Cal

RT: 4.793 min Scan# 54

Delta R.T. -0.006 min

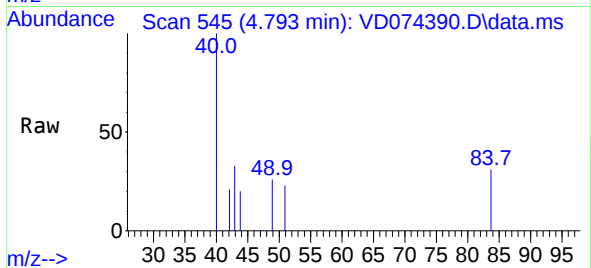
Lab File: VD074390.D

Acq: 21 Sep 2022 15:42

Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion: 84 Resp: 249

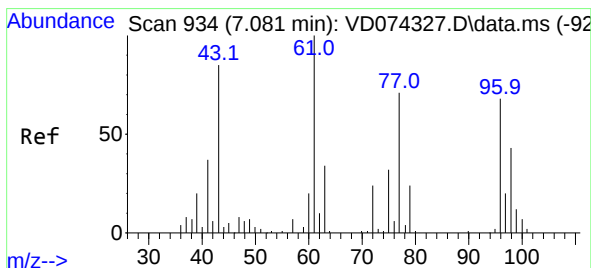
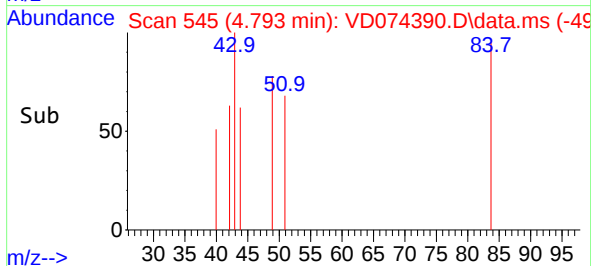
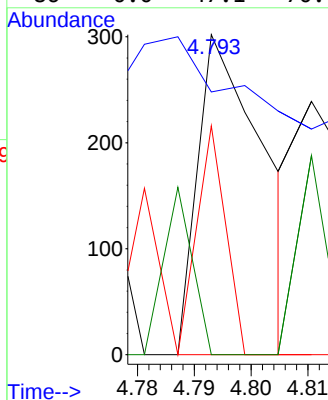
Ion Ratio Lower Upper

84 100

49 6.0 88.4 132.6#

51 71.5 28.0 42.0#

86 0.0 47.1 70.7#



#25

2-Butanone

Concen: 51.652 ug/l

RT: 7.087 min Scan# 935

Delta R.T. 0.006 min

Lab File: VD074390.D

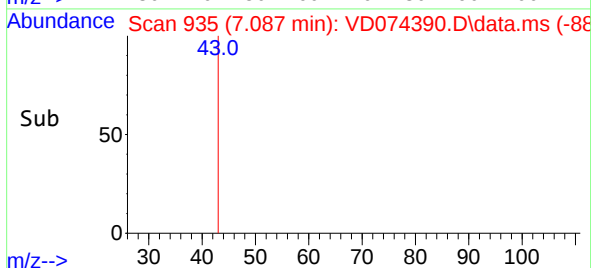
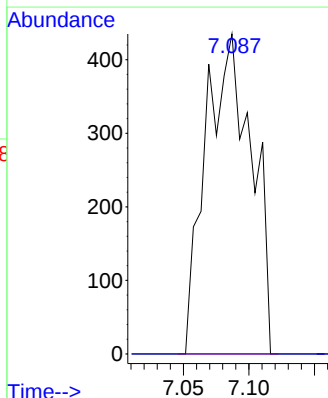
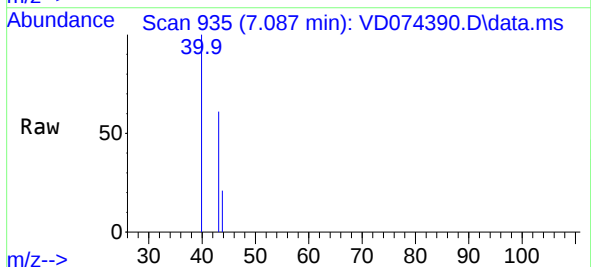
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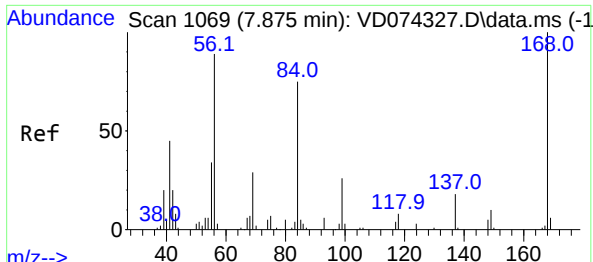
Tgt Ion: 43 Resp: 1058

Ion Ratio Lower Upper

43 100

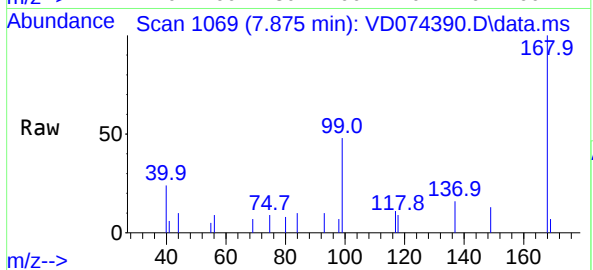
72 0.0 21.8 32.6#



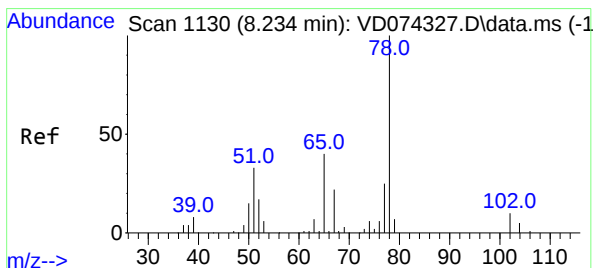
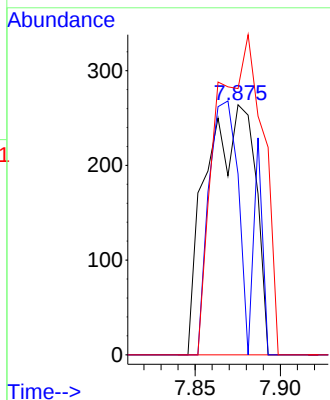
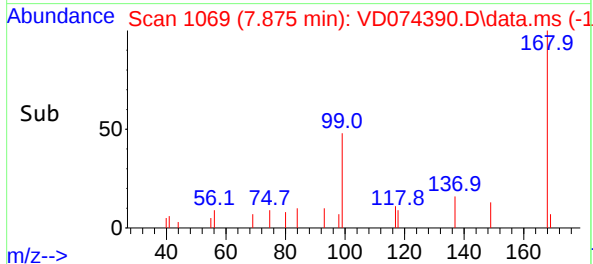


#31
Cyclohexane
Concen: 4.109 ug/l
RT: 7.875 min Scan# 1109
Delta R.T. 0.000 min
Lab File: VD074390.D
Acq: 21 Sep 2022 15:42

Instrument :
MSVOA_D
ClientSampleId :

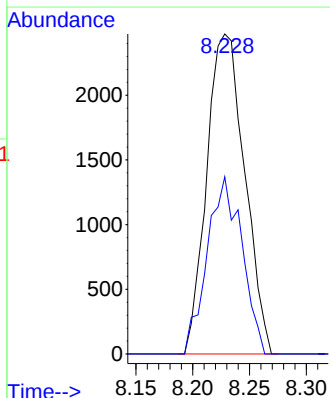
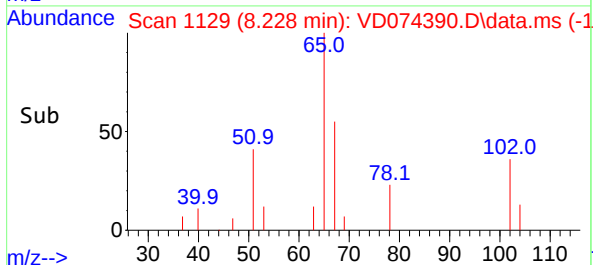
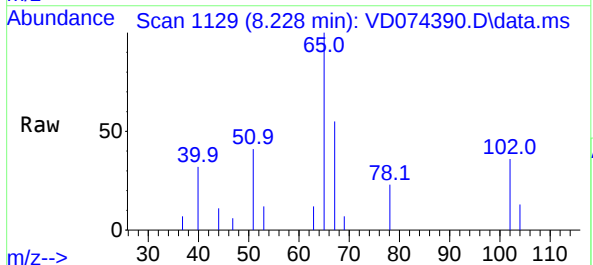


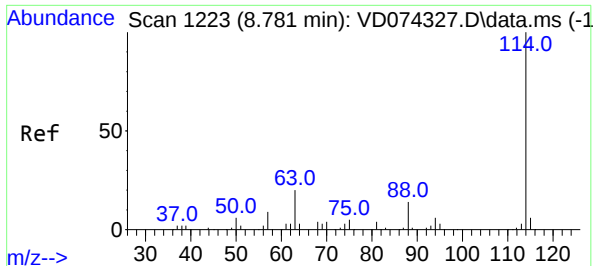
Tgt Ion: 56 Resp: 526
Ion Ratio Lower Upper
56 100
69 72.3 25.7 38.5#
84 106.4 73.9 110.9



#33
1,2-Dichloroethane-d4
Concen: 94.034 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. -0.006 min
Lab File: VD074390.D
Acq: 21 Sep 2022 15:42

Tgt Ion: 65 Resp: 5740
Ion Ratio Lower Upper
65 100
67 50.5 0.0 110.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 11

Delta R.T. -0.006 min

Lab File: VD074390.D

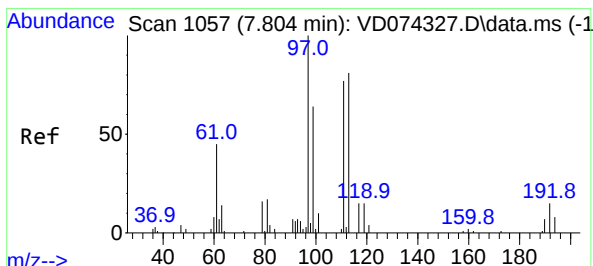
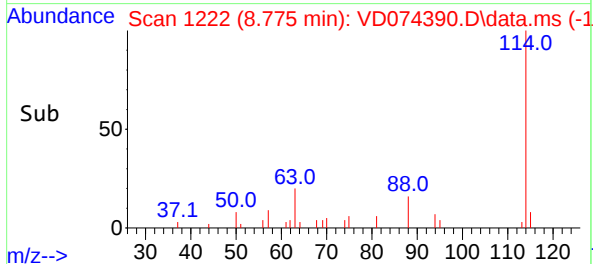
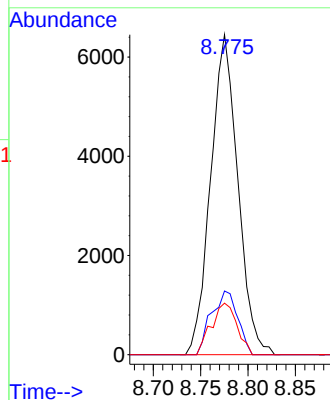
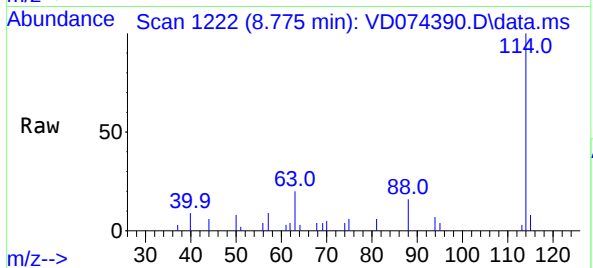
Acq: 21 Sep 2022 15:42

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion:114	Resp:	12889
Ion Ratio	Lower	Upper
114	100	
63	19.9	0.0 37.6
88	16.1	0.0 28.4



#35

Dibromofluoromethane

Concen: 49.218 ug/l

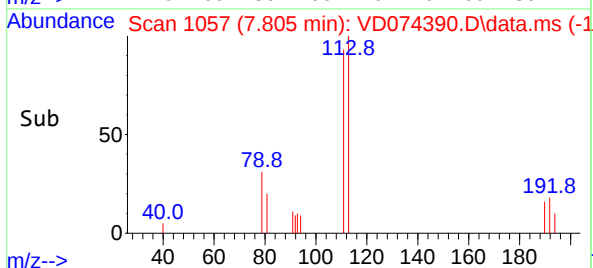
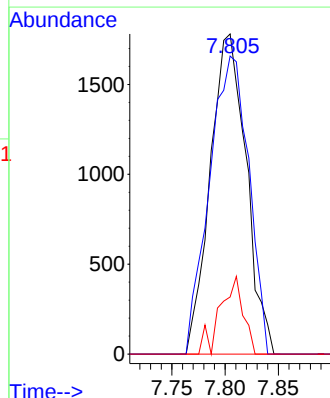
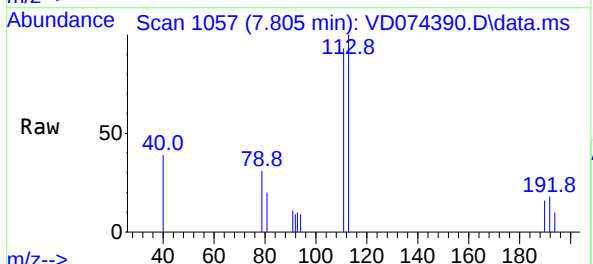
RT: 7.805 min Scan# 1057

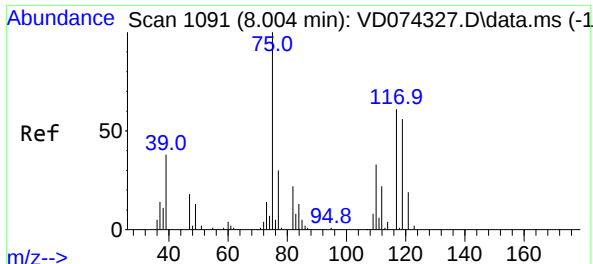
Delta R.T. 0.001 min

Lab File: VD074390.D

Acq: 21 Sep 2022 15:42

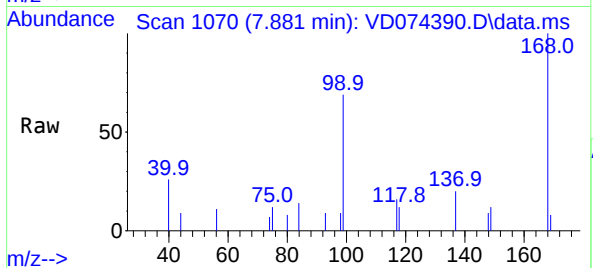
Tgt Ion:113	Resp:	4178
Ion Ratio	Lower	Upper
113	100	
111	102.0	83.0 124.6
192	15.5	16.2 24.2#



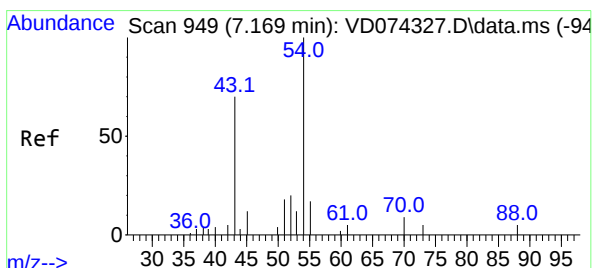
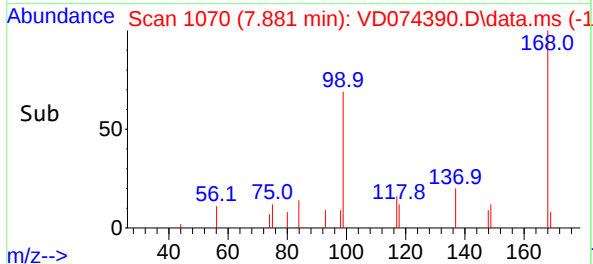
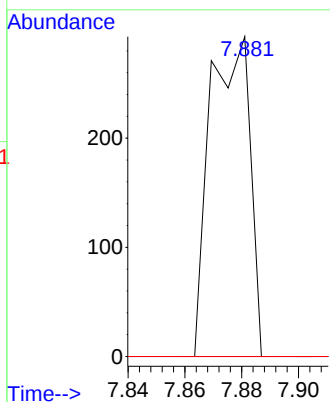


#36
1,1-Dichloropropene
Concen: 2.207 ug/l
RT: 7.881 min Scan# 1091
Delta R.T. -0.123 min
Lab File: VD074390.D
Acq: 21 Sep 2022 15:42

Instrument :
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ClientSampleId :

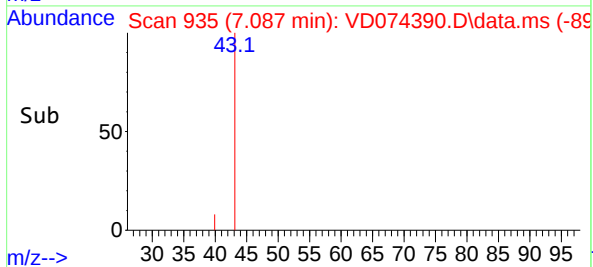
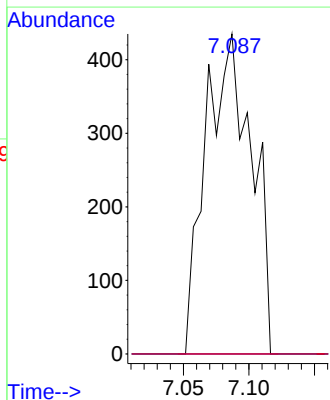
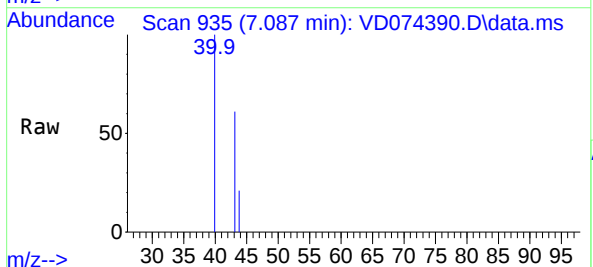


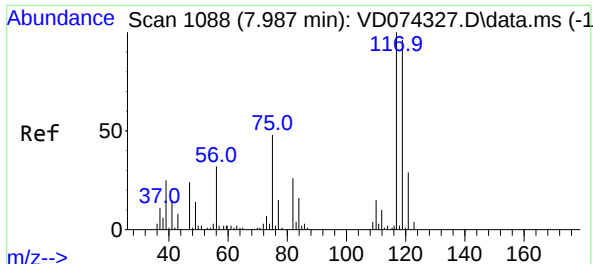
Tgt Ion: 75 Resp: 286
Ion Ratio Lower Upper
75 100
110 0.0 17.5 52.5#
77 0.0 24.8 37.2#



#37
Ethyl Acetate
Concen: 20.380 ug/l
RT: 7.087 min Scan# 935
Delta R.T. -0.082 min
Lab File: VD074390.D
Acq: 21 Sep 2022 15:42

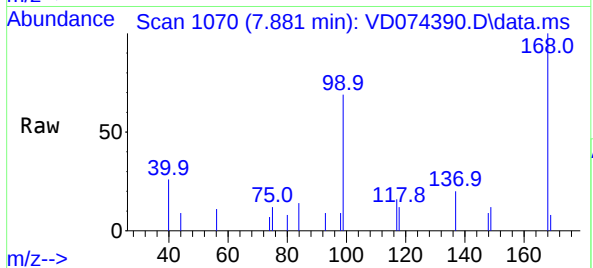
Tgt Ion: 43 Resp: 1058
Ion Ratio Lower Upper
43 100
61 0.0 12.1 18.1#
70 0.0 8.5 12.7#



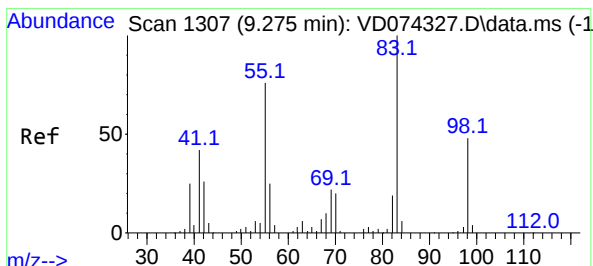
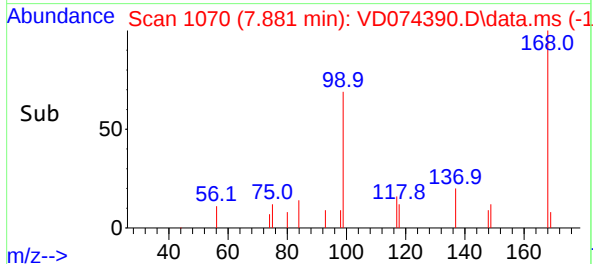
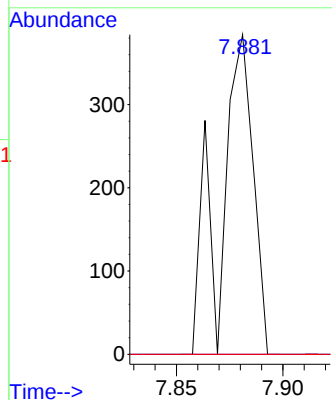


#38
Carbon Tetrachloride
Concen: 3.597 ug/l
RT: 7.881 min Scan# 1088
Delta R.T. -0.106 min
Lab File: VD074390.D
Acq: 21 Sep 2022 15:42

Instrument :
MSVOA_D
ClientSampleId :

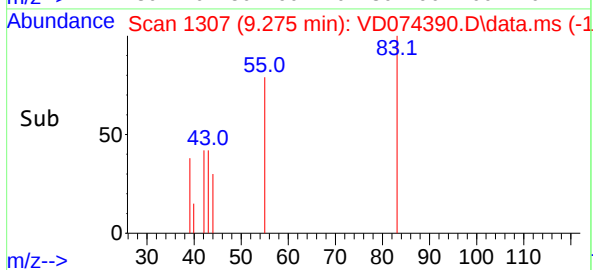
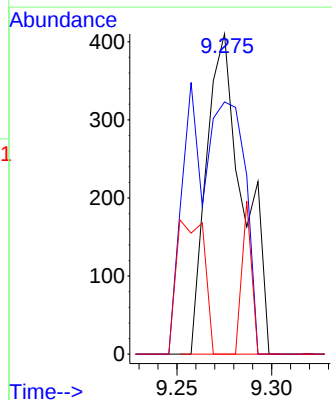
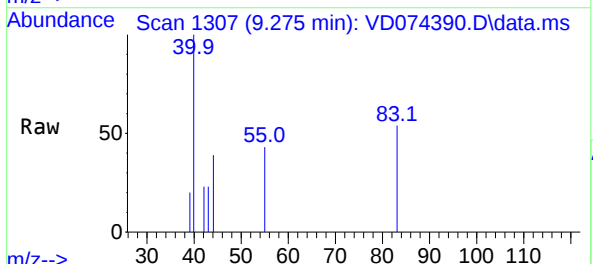


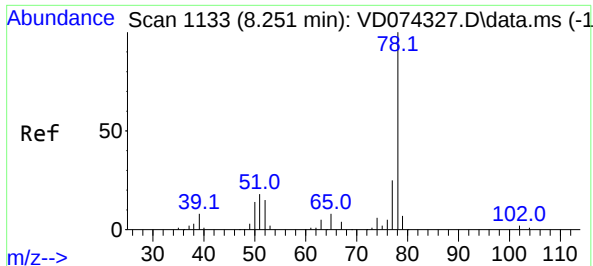
Tgt Ion:117 Resp: 413
Ion Ratio Lower Upper
117 100
119 0.0 78.8 118.2#
121 0.0 23.9 35.9#



#39
Methylcyclohexane
Concen: 3.528 ug/l
RT: 9.275 min Scan# 1307
Delta R.T. 0.000 min
Lab File: VD074390.D
Acq: 21 Sep 2022 15:42

Tgt Ion: 83 Resp: 553
Ion Ratio Lower Upper
83 100
55 78.8 57.2 85.8
98 0.0 38.3 57.5#

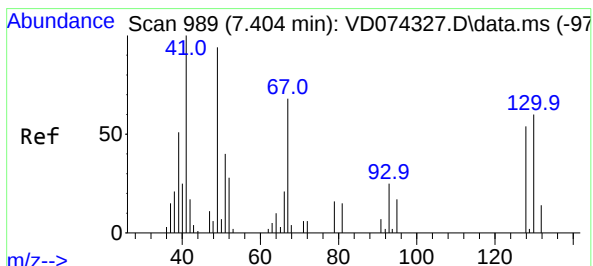
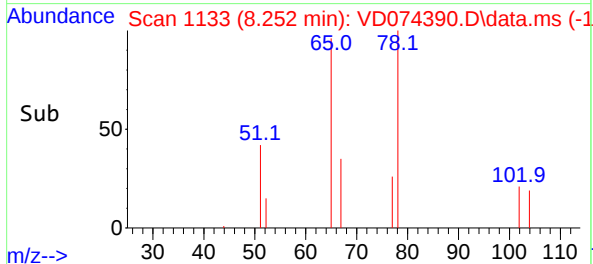
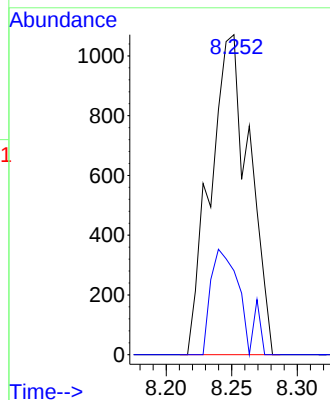
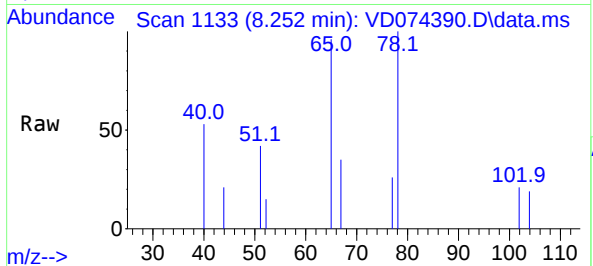




#40
Benzene
Concen: 6.110 ug/l
RT: 8.252 min Scan# 1133
Delta R.T. 0.001 min
Lab File: VD074390.D
Acq: 21 Sep 2022 15:42

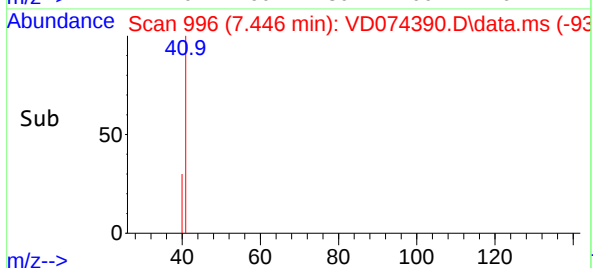
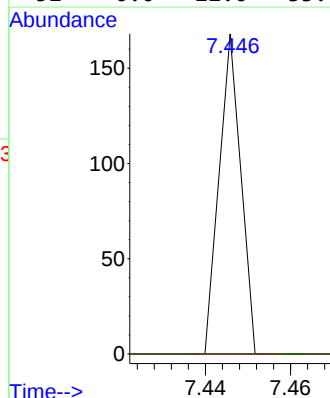
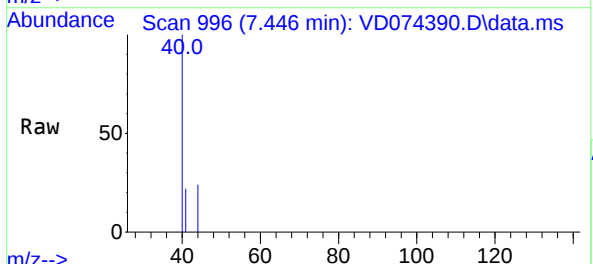
Instrument :
MSVOA_D
ClientSampleId :

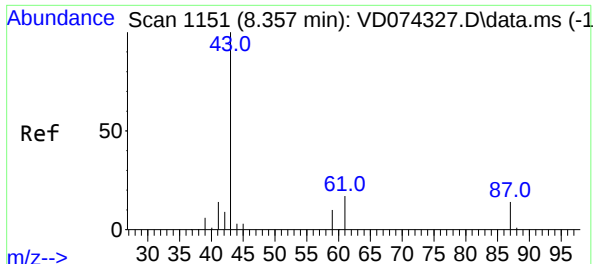
Tgt Ion: 78 Resp: 2220
Ion Ratio Lower Upper
78 100
77 26.2 19.4 29.2



#41
Methacrylonitrile
Concen: 2.094 ug/l
RT: 7.446 min Scan# 996
Delta R.T. 0.042 min
Lab File: VD074390.D
Acq: 21 Sep 2022 15:42

Tgt Ion: 41 Resp: 59
Ion Ratio Lower Upper
41 100
39 0.0 39.8 59.6#
67 0.0 56.1 84.1#
52 0.0 22.0 33.0#

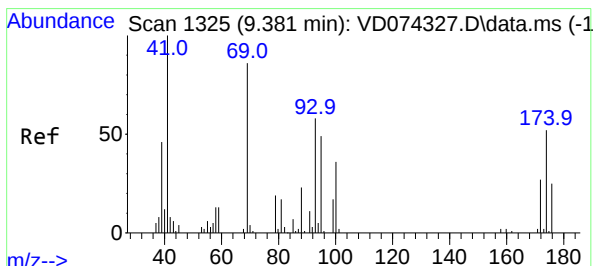
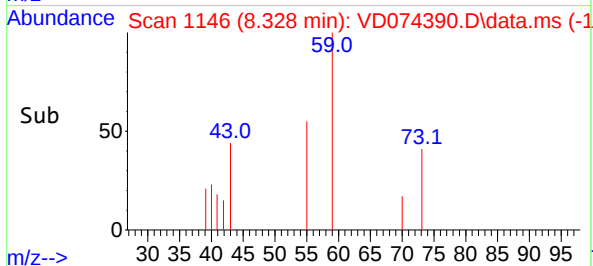
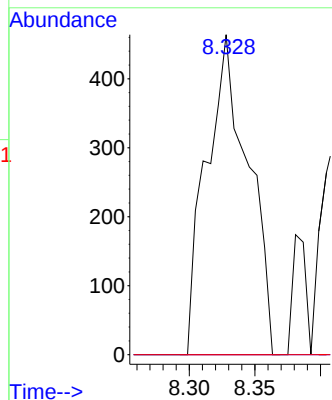
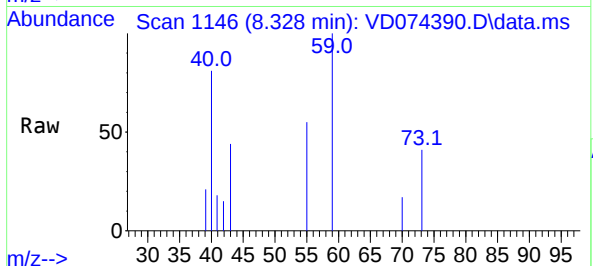




#43
Isopropyl Acetate
Concen: 10.723 ug/l
RT: 8.328 min Scan# 1151
Delta R.T. -0.029 min
Lab File: VD074390.D
Acq: 21 Sep 2022 15:42

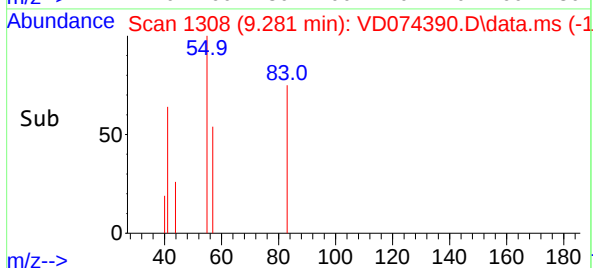
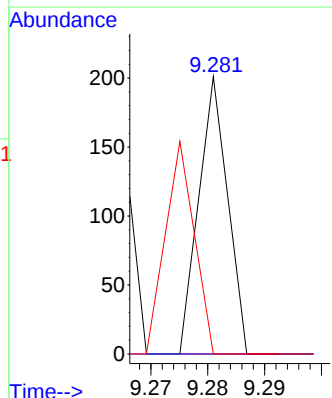
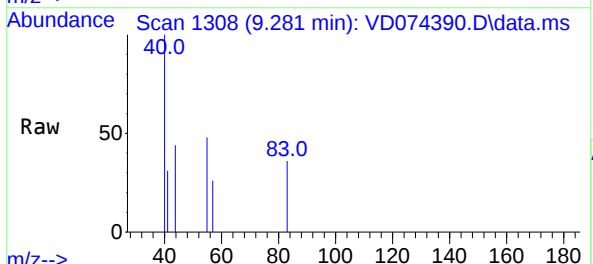
Instrument :
MSVOA_D
ClientSampleId :

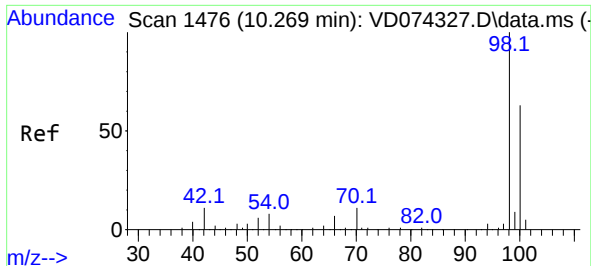
Tgt Ion: 43 Resp: 1027
Ion Ratio Lower Upper
43 100
61 0.0 24.5 36.7#
87 0.0 10.8 16.2#



#48
Methyl methacrylate
Concen: 1.532 ug/l
RT: 9.281 min Scan# 1308
Delta R.T. -0.100 min
Lab File: VD074390.D
Acq: 21 Sep 2022 15:42

Tgt Ion: 41 Resp: 71
Ion Ratio Lower Upper
41 100
69 0.0 72.7 109.1#
39 76.1 41.6 62.4#





#50

Toluene-d8

Concen: 42.577 ug/l

RT: 10.263 min Scan# 1476

Delta R.T. -0.006 min

Lab File: VD074390.D

Acq: 21 Sep 2022 15:42

Instrument :

MSVOA_D

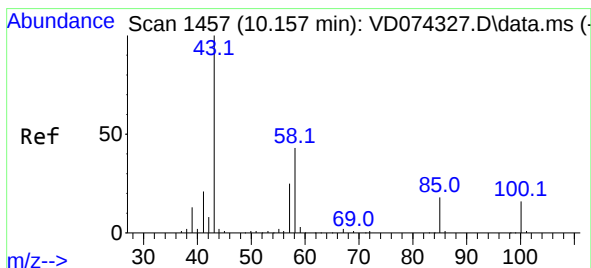
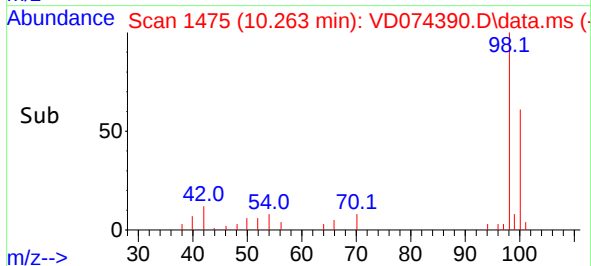
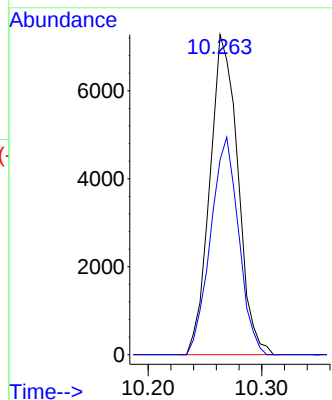
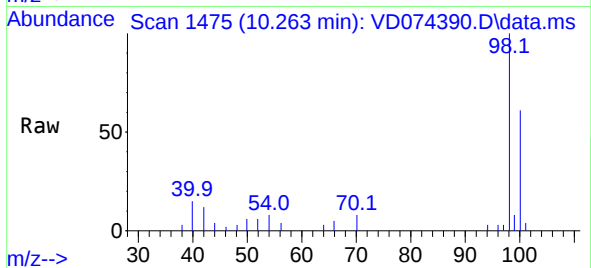
ClientSampleId :

Tgt Ion: 98 Resp: 12471

Ion Ratio Lower Upper

98 100

100 68.0 51.8 77.8



#51

4-Methyl-2-Pentanone

Concen: 3.001 ug/l

RT: 10.157 min Scan# 1457

Delta R.T. 0.000 min

Lab File: VD074390.D

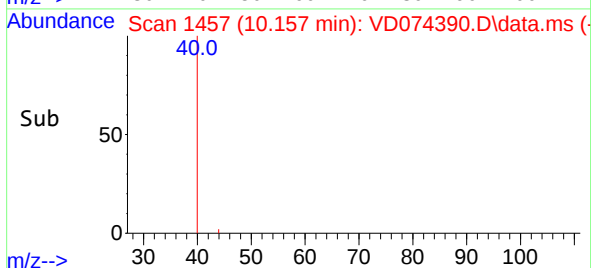
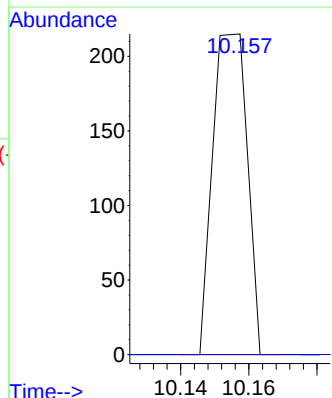
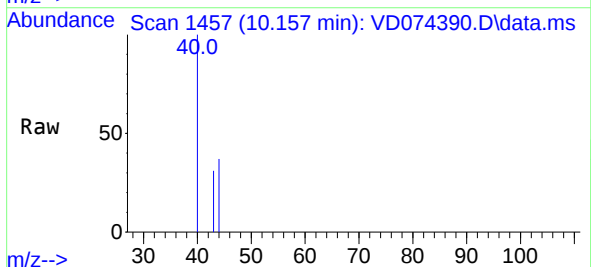
Acq: 21 Sep 2022 15:42

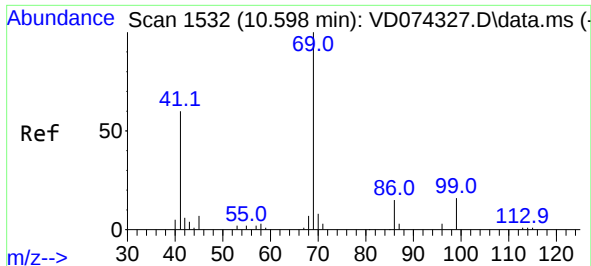
Tgt Ion: 43 Resp: 151

Ion Ratio Lower Upper

43 100

58 0.0 33.3 49.9#

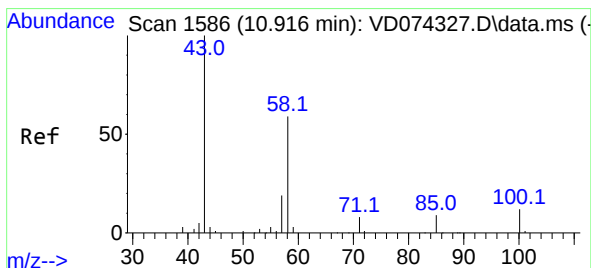
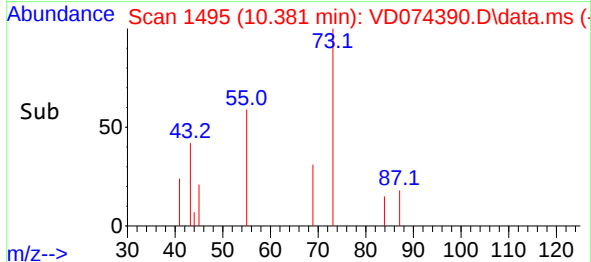
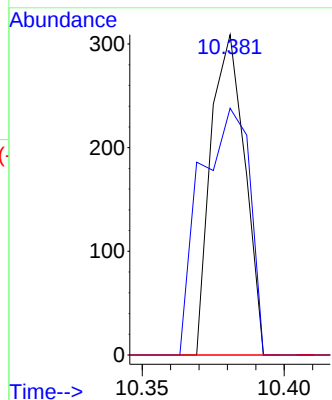
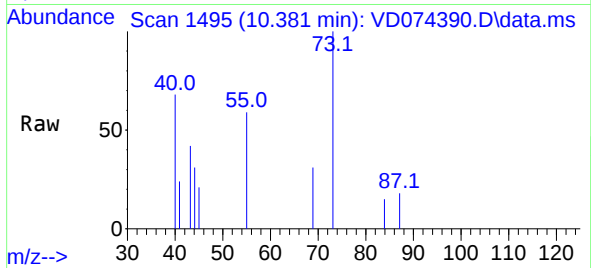




#56
Ethyl methacrylate
Concen: 3.156 ug/l
RT: 10.381 min Scan# 14
Delta R.T. -0.217 min
Lab File: VD074390.D
Acq: 21 Sep 2022 15:42

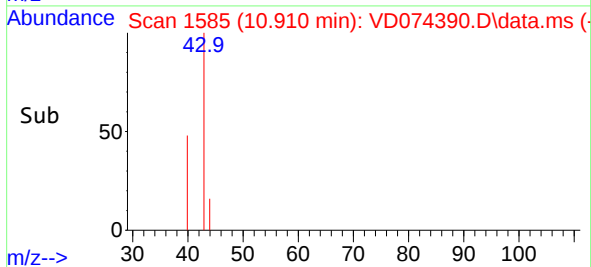
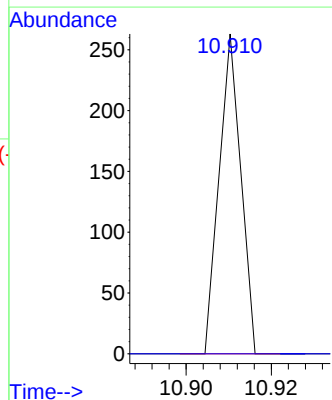
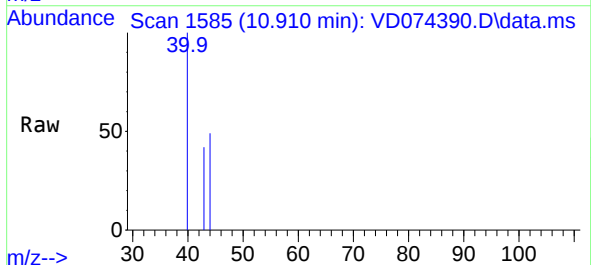
Instrument :
MSVOA_D
ClientSampleId :

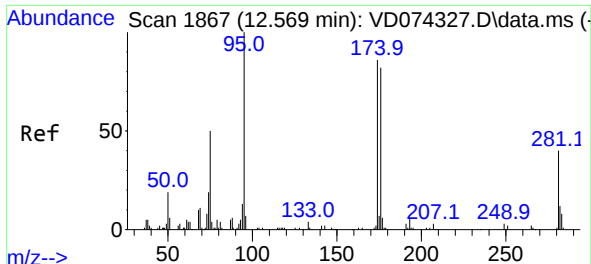
Tgt Ion: 69 Resp: 256
Ion Ratio Lower Upper
69 100
41 112.1 49.4 74.2#
39 0.0 24.2 36.4#



#59
2-Hexanone
Concen: 2.642 ug/l
RT: 10.910 min Scan# 1585
Delta R.T. -0.006 min
Lab File: VD074390.D
Acq: 21 Sep 2022 15:42

Tgt Ion: 43 Resp: 93
Ion Ratio Lower Upper
43 100
58 0.0 28.6 85.8#

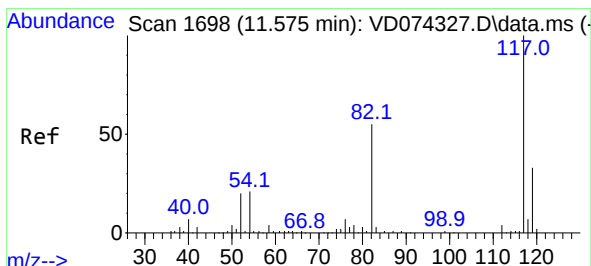
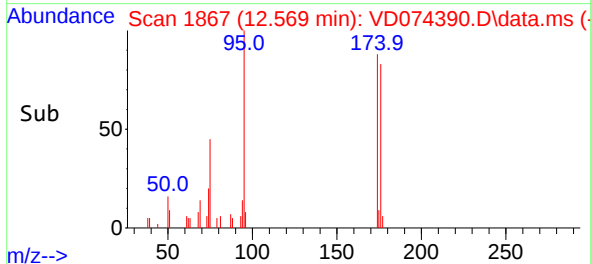
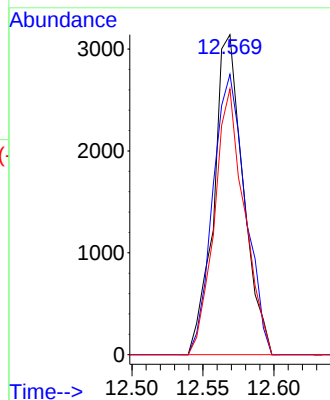
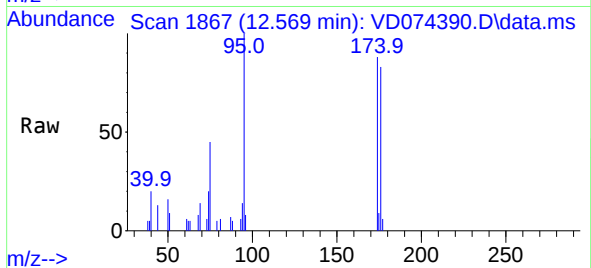




#62
4-Bromofluorobenzene
Concen: 45.265 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. 0.000 min
Lab File: VD074390.D
Acq: 21 Sep 2022 15:42

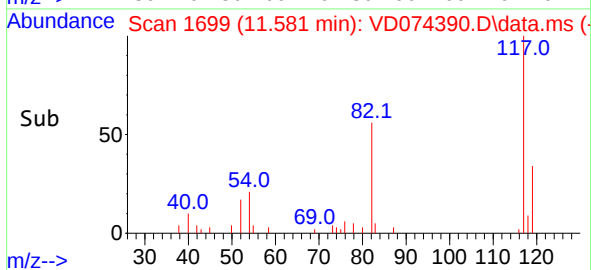
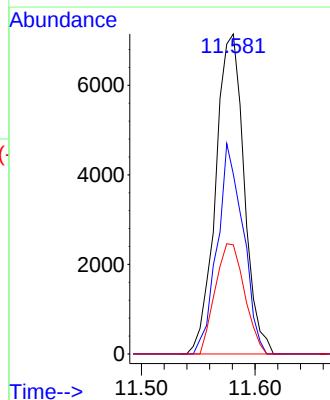
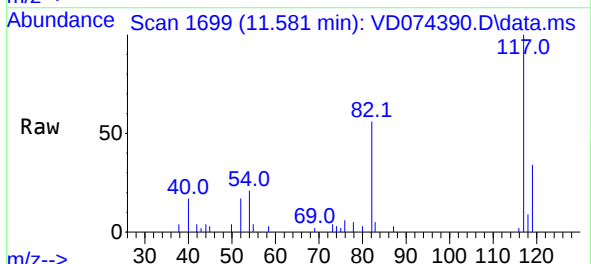
Instrument :
MSVOA_D
ClientSampleId :

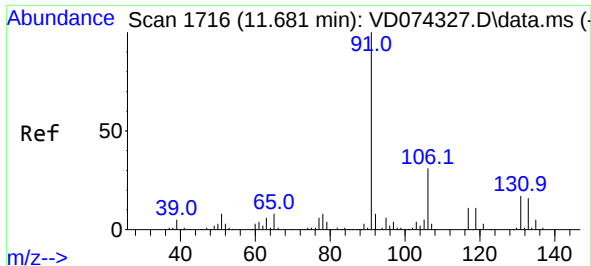
Tgt Ion:	95	Resp:	4547
Ion	Ratio	Lower	Upper
95	100		
174	96.7	0.0	179.2
176	84.6	0.0	171.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. 0.006 min
Lab File: VD074390.D
Acq: 21 Sep 2022 15:42

Tgt Ion:	117	Resp:	12459
Ion	Ratio	Lower	Upper
117	100		
82	56.2	44.2	66.2
119	34.1	25.4	38.0





#67

Ethyl Benzene

Concen: 5.216 ug/l

RT: 11.681 min Scan# 1716

Delta R.T. -0.000 min

Lab File: VD074390.D

Acq: 21 Sep 2022 15:42

Instrument :

MSVOA_D

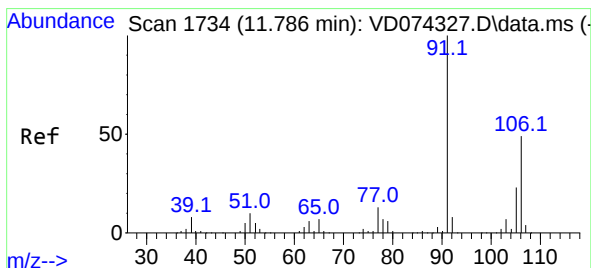
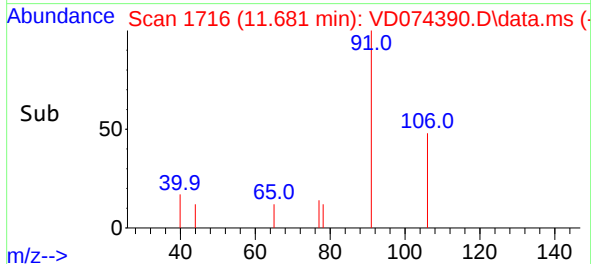
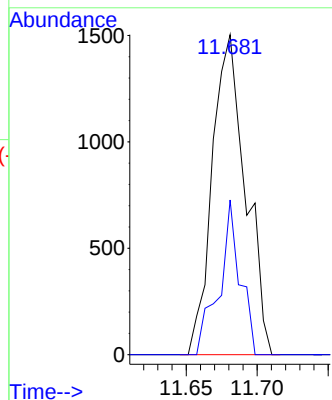
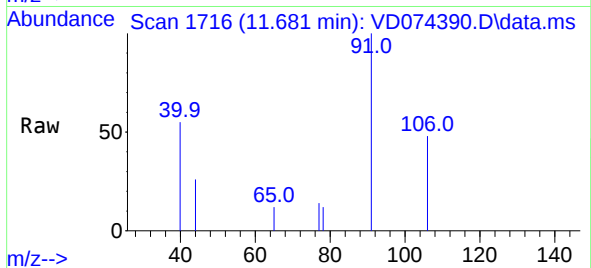
ClientSampleId :

Tgt Ion: 91 Resp: 2456

Ion Ratio Lower Upper

91 100

106 48.3 24.8 37.2#



#68

m/p-Xylenes

Concen: 4.130 ug/l

RT: 11.681 min Scan# 1716

Delta R.T. -0.105 min

Lab File: VD074390.D

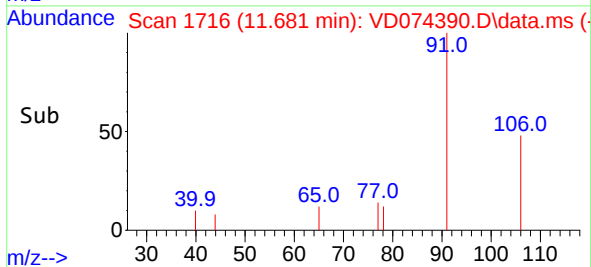
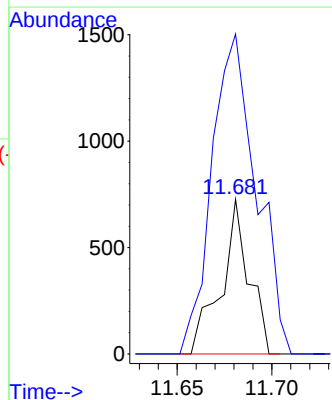
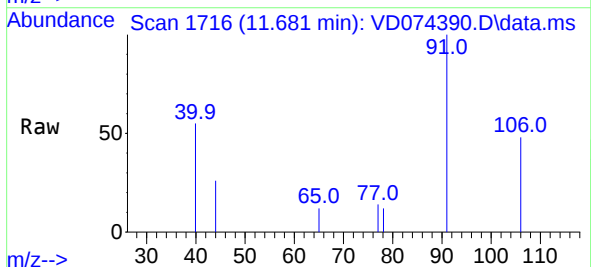
Acq: 21 Sep 2022 15:42

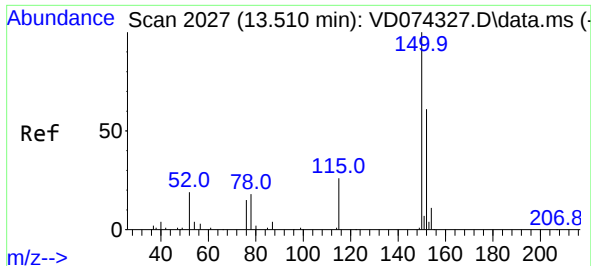
Tgt Ion:106 Resp: 745

Ion Ratio Lower Upper

106 100

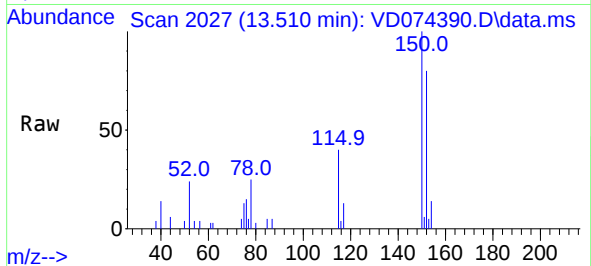
91 329.7 158.6 237.8#



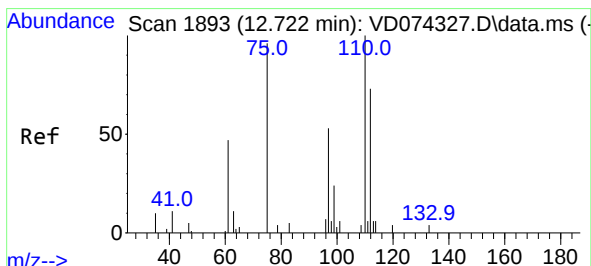
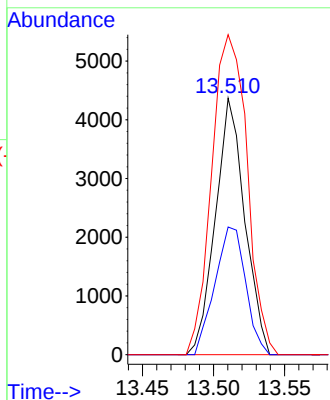
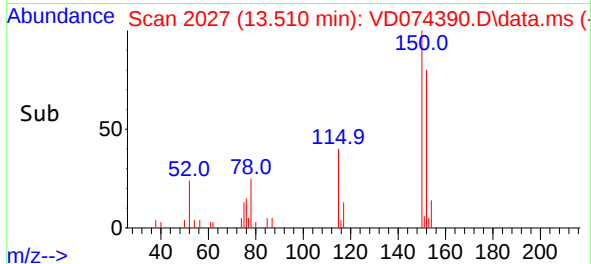


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.510 min Scan# 2027
Delta R.T. 0.000 min
Lab File: VD074390.D
Acq: 21 Sep 2022 15:42

Instrument :
MSVOA_D
ClientSampleId :

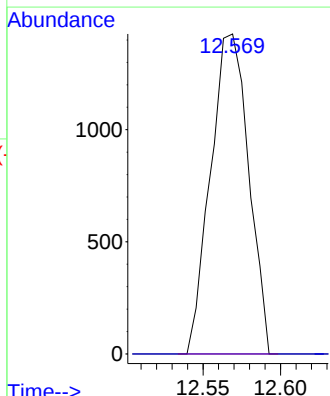
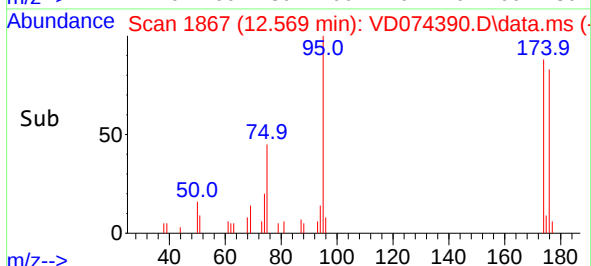
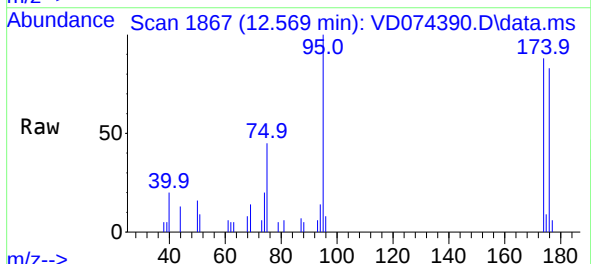


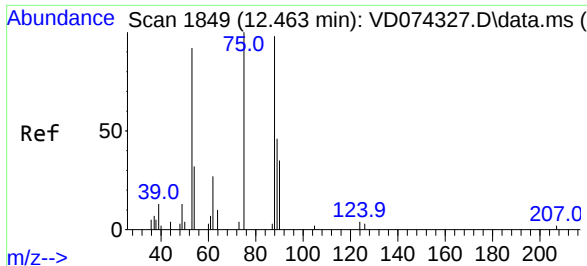
Tgt Ion:152 Resp: 6282
Ion Ratio Lower Upper
152 100
115 52.2 28.4 85.2
150 150.6 0.0 351.0



#76
1,2,3-Trichloropropane
Concen: 41.963 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.153 min
Lab File: VD074390.D
Acq: 21 Sep 2022 15:42

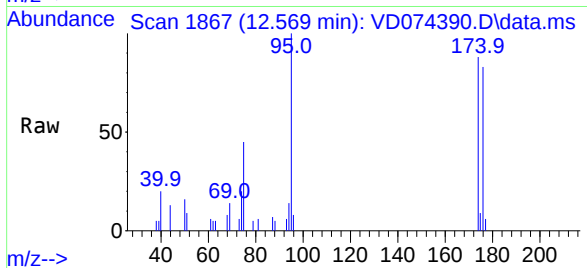
Tgt Ion: 75 Resp: 2439
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



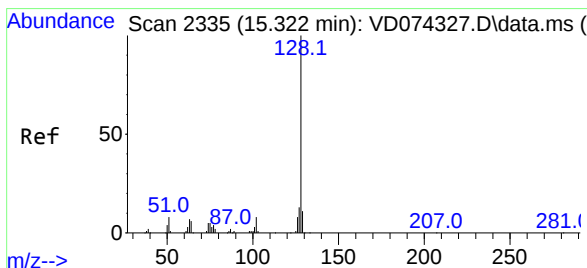
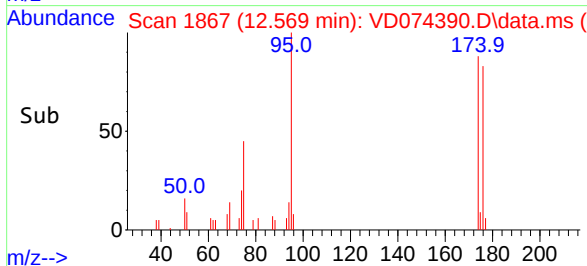
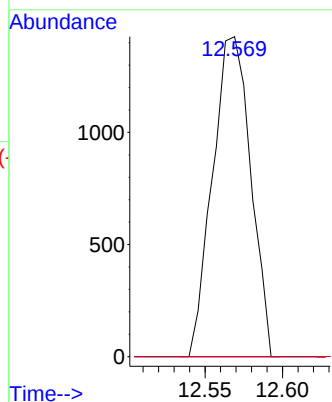


#81
trans-1,4-Dichloro-2-butene
Concen: 105.170 ug/l
RT: 12.569 min Scan# 1849
Delta R.T. 0.106 min
Lab File: VD074390.D
Acq: 21 Sep 2022 15:42

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion: 75 Resp: 2439
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0



#95
Naphthalene
Concen: 1.088 ug/l
RT: 15.328 min Scan# 2336
Delta R.T. 0.006 min
Lab File: VD074390.D
Acq: 21 Sep 2022 15:42

Tgt Ion: 128 Resp: 249
Ion Ratio Lower Upper
128 100
127 0.0 10.9 16.3#
129 0.0 8.8 13.2#

