

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD100522\
 Data File : VD074456.D
 Acq On : 05 Oct 2022 16:14
 Operator : VA/SY
 Sample : VIBLK
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VIBLK

Quant Time: Oct 06 01:56:26 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D100522S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 06 01:54:40 2022
 Response via : Initial Calibration

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

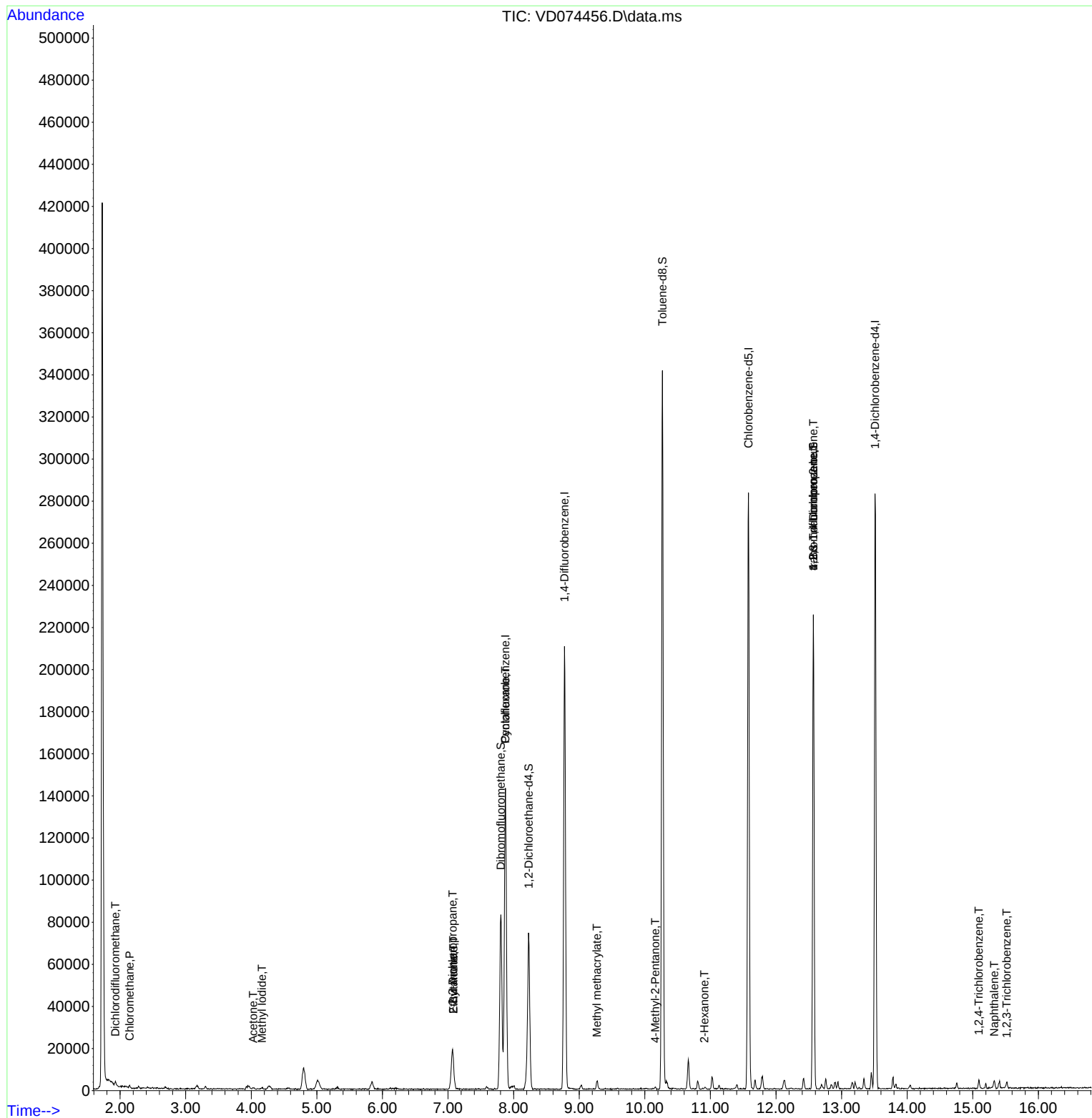
Internal Standards						
1) Pentafluorobenzene	7.875	168	111265	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	192630	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	175948	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.510	152	79212	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	52757	53.368	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	106.740%
35) Dibromofluoromethane	7.805	113	60874	47.924	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	95.840%
50) Toluene-d8	10.269	98	243649	52.423	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	104.840%
62) 4-Bromofluorobenzene	12.569	95	69696	48.414	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	96.820%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.928	85	1686	1.717	ug/l	97
3) Chloromethane	2.146	50	1466	1.082	ug/l #	85
10) Methyl Iodide	4.164	142	939	6.309	ug/l #	53
11) Tert butyl alcohol	5.022	59	4598	Below Cal	#	84
16) Acetone	4.028	43	1300	16.516	ug/l #	37
25) 2-Butanone	7.081	43	2043	7.205	ug/l #	86
26) 2,2-Dichloropropane	7.069	77	2134	1.088	ug/l #	50
31) Cyclohexane	7.875	56	3591	1.809	ug/l #	58
37) Ethyl Acetate	7.081	43	2043	3.490	ug/l #	12
48) Methyl methacrylate	9.269	41	861	1.657	ug/l #	38
51) 4-Methyl-2-Pentanone	10.157	43	827	1.490	ug/l #	71
59) 2-Hexanone	10.910	43	837	2.199	ug/l	83
76) 1,2,3-Trichloropropane	12.569	75	35907	59.052	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.569	75	35907	131.752	ug/l #	17
93) 1,2,4-Trichlorobenzene	15.092	180	1704	1.152	ug/l	96
95) Naphthalene	15.328	128	4813	1.705	ug/l #	93
96) 1,2,3-Trichlorobenzene	15.516	180	1512	1.180	ug/l	88

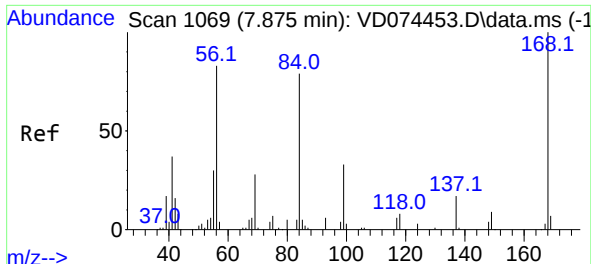
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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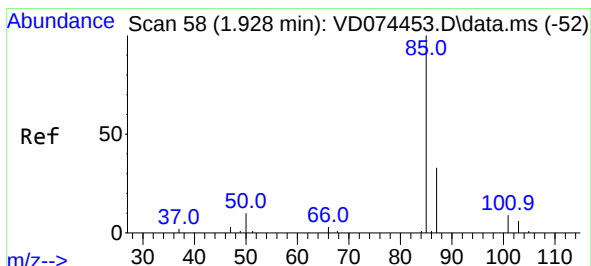
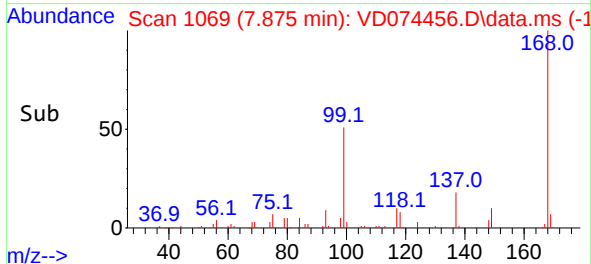
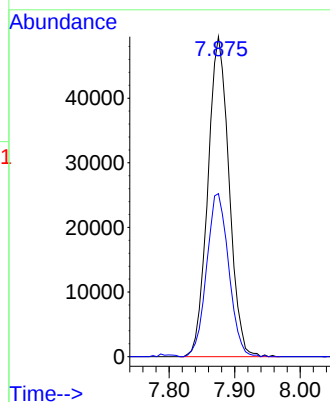
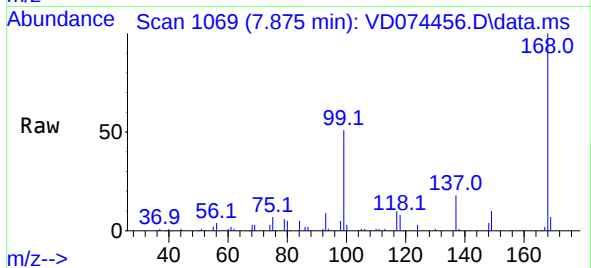




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD074456.D
Acq: 05 Oct 2022 16:14

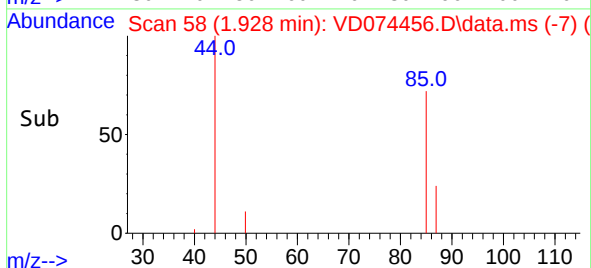
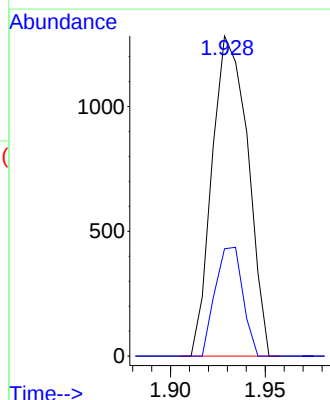
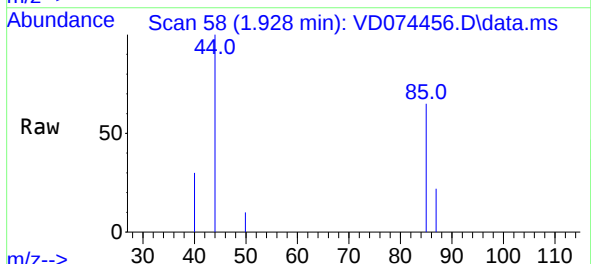
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

Tgt Ion:168 Resp: 111265
Ion Ratio Lower Upper
168 100
99 51.0 40.9 61.3

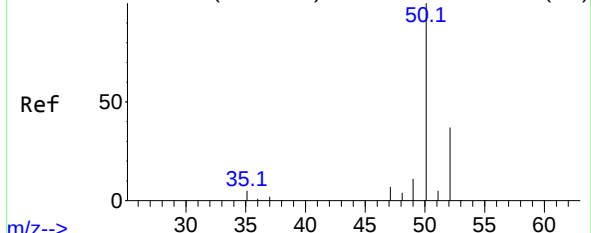


#2
Dichlorodifluoromethane
Concen: 1.717 ug/l
RT: 1.928 min Scan# 58
Delta R.T. 0.000 min
Lab File: VD074456.D
Acq: 05 Oct 2022 16:14

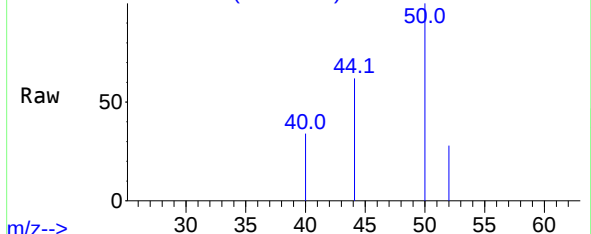
Tgt Ion: 85 Resp: 1686
Ion Ratio Lower Upper
85 100
87 33.5 17.5 52.6



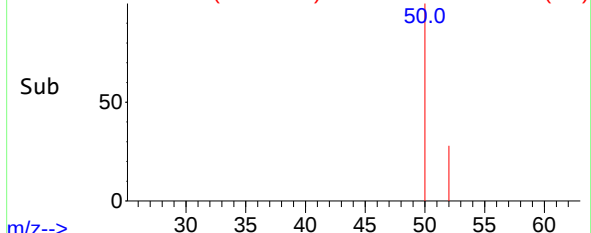
Abundance Scan 94 (2.140 min): VD074453.D\data.ms (-88)



Abundance Scan 95 (2.146 min): VD074456.D\data.ms



Abundance Scan 95 (2.146 min): VD074456.D\data.ms (-43)



#3

Chloromethane

Concen: 1.082 ug/l

RT: 2.146 min Scan# 91

Delta R.T. 0.006 min

Lab File: VD074456.D

Acq: 05 Oct 2022 16:14

Instrument :

MSVOA_D

ClientSampleId :

VIBLK

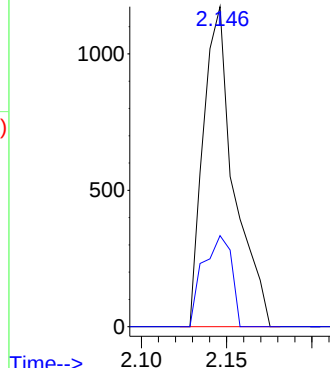
Tgt Ion: 50 Resp: 1466

Ion Ratio Lower Upper

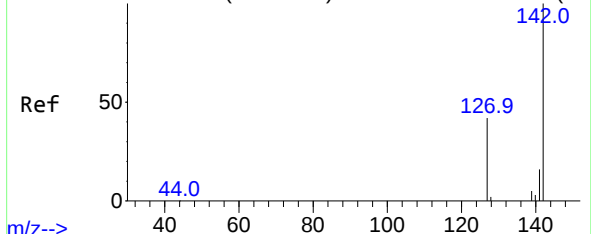
50 100

52 28.5 30.0 45.0#

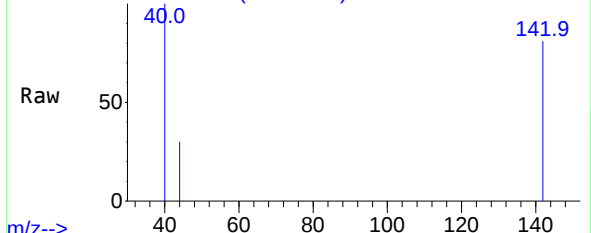
Abundance



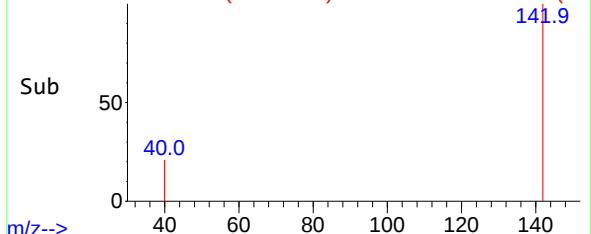
Abundance Scan 437 (4.158 min): VD074453.D\data.ms (-42)



Abundance Scan 438 (4.164 min): VD074456.D\data.ms



Abundance Scan 438 (4.164 min): VD074456.D\data.ms (-38)



#10

Methyl Iodide

Concen: 6.309 ug/l

RT: 4.164 min Scan# 438

Delta R.T. 0.006 min

Lab File: VD074456.D

Acq: 05 Oct 2022 16:14

Tgt Ion: 142 Resp: 939

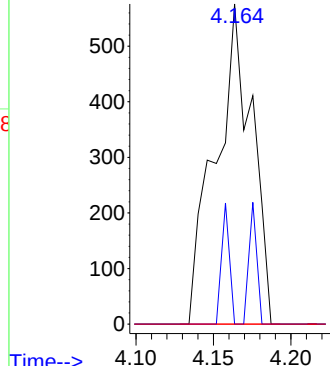
Ion Ratio Lower Upper

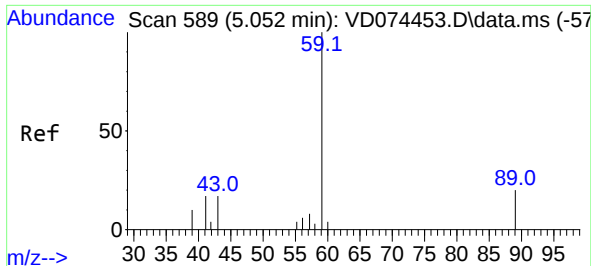
142 100

127 8.2 31.9 47.9#

141 0.0 11.4 17.2#

Abundance

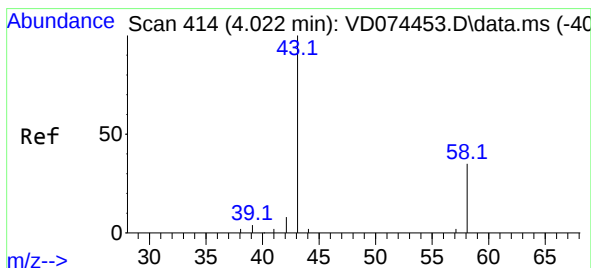
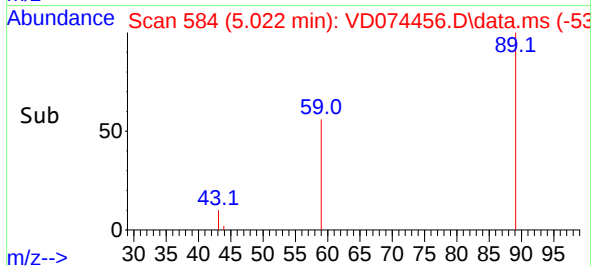
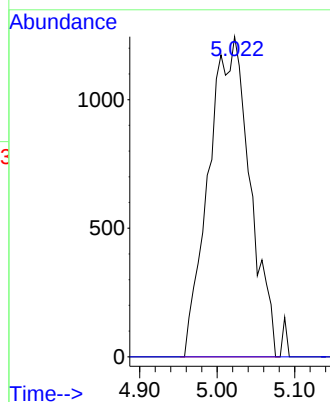
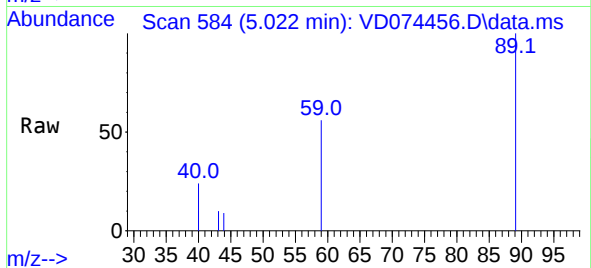




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.022 min Scan# 51
Delta R.T. -0.030 min
Lab File: VD074456.D
Acq: 05 Oct 2022 16:14

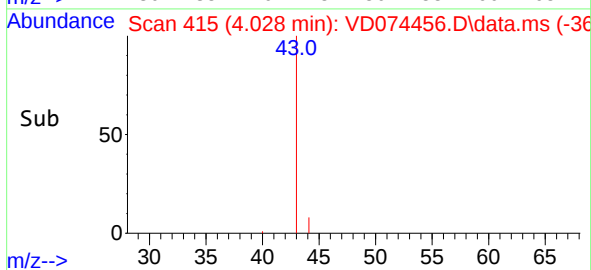
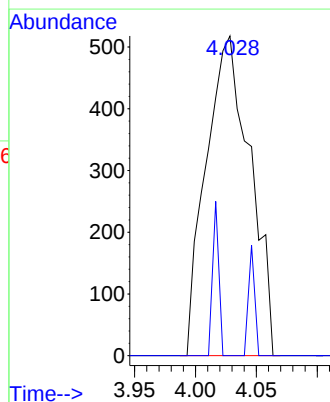
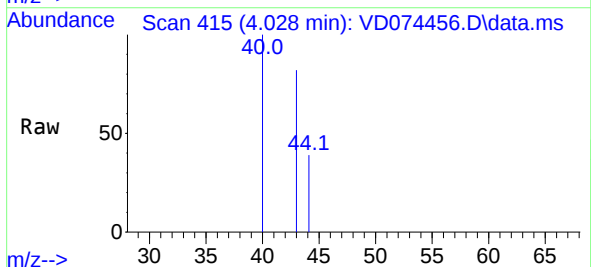
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

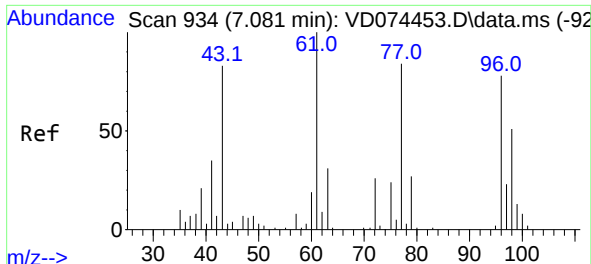
Tgt Ion: 59 Resp: 4598
Ion Ratio Lower Upper
59 100
57 0.0 4.4 6.6#



#16
Acetone
Concen: 16.516 ug/l
RT: 4.028 min Scan# 415
Delta R.T. 0.006 min
Lab File: VD074456.D
Acq: 05 Oct 2022 16:14

Tgt Ion: 43 Resp: 1300
Ion Ratio Lower Upper
43 100
58 0.0 30.2 45.2#





#25

2-Butanone

Concen: 7.205 ug/l

RT: 7.081 min Scan# 91

Delta R.T. 0.000 min

Lab File: VD074456.D

Acq: 05 Oct 2022 16:14

Instrument :

MSVOA_D

ClientSampleId :

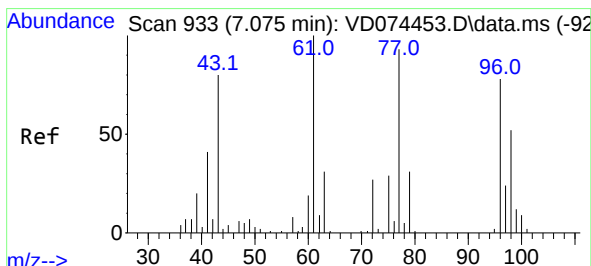
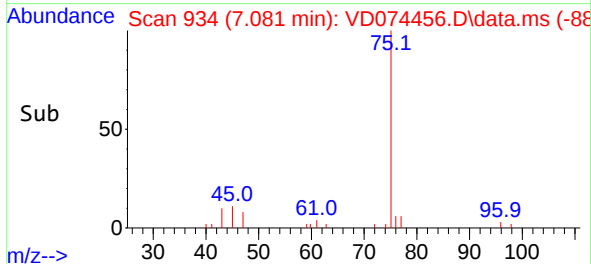
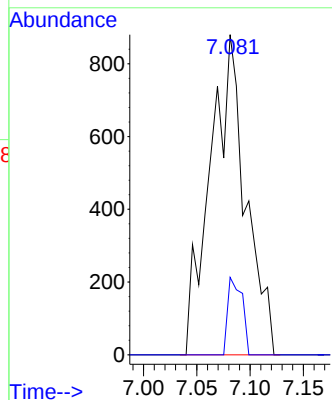
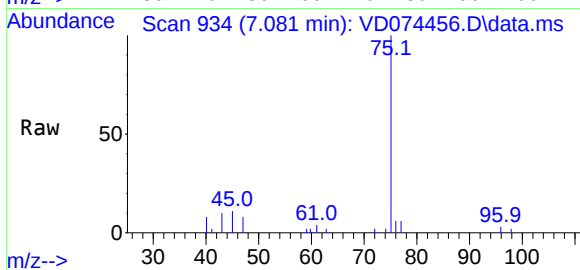
VIBLK

Tgt Ion: 43 Resp: 2043

Ion Ratio Lower Upper

43 100

72 24.2 25.8 38.8#



#26

2,2-Dichloropropane

Concen: 1.088 ug/l

RT: 7.069 min Scan# 932

Delta R.T. -0.006 min

Lab File: VD074456.D

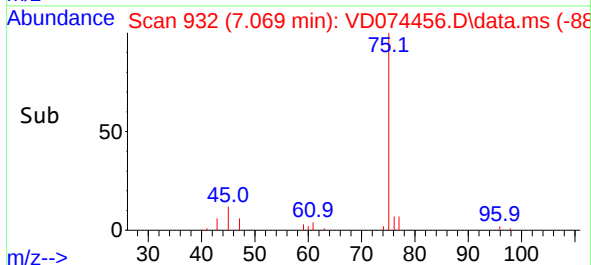
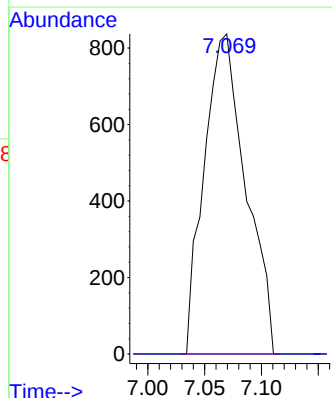
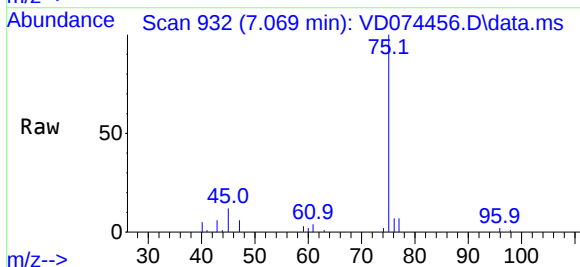
Acq: 05 Oct 2022 16:14

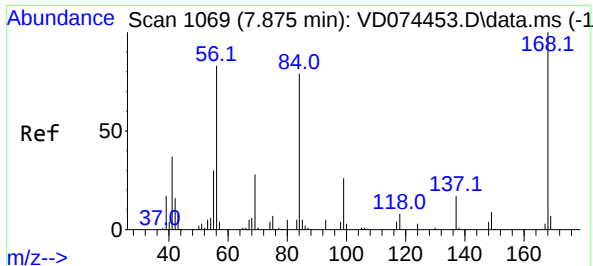
Tgt Ion: 77 Resp: 2134

Ion Ratio Lower Upper

77 100

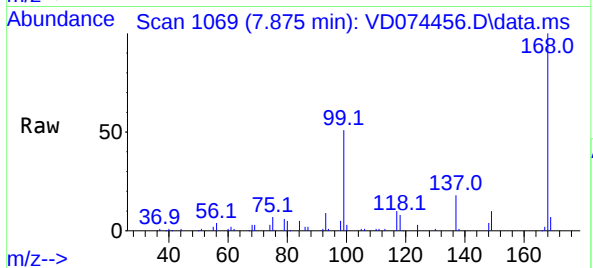
97 0.0 12.5 37.5#



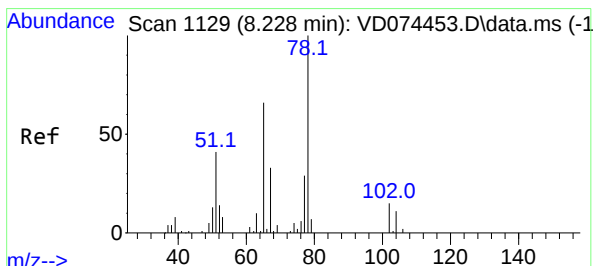
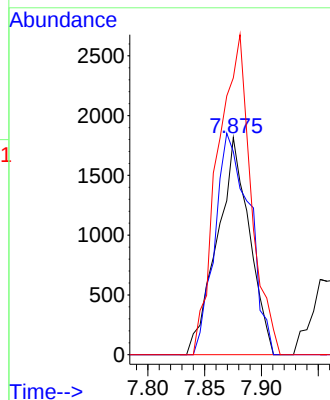
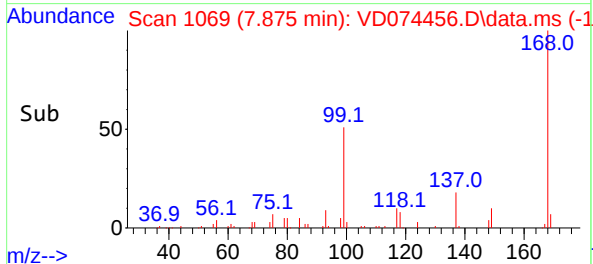


#31
Cyclohexane
Concen: 1.809 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD074456.D
Acq: 05 Oct 2022 16:14

Instrument :
MSVOA_D
ClientSampleId :
VIBLK

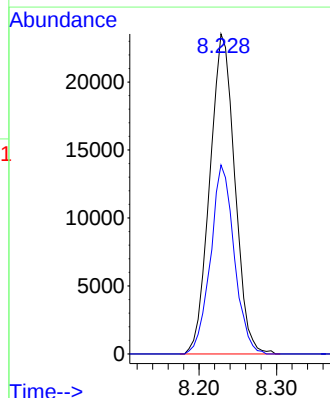
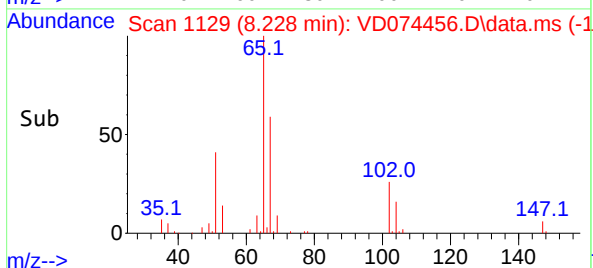
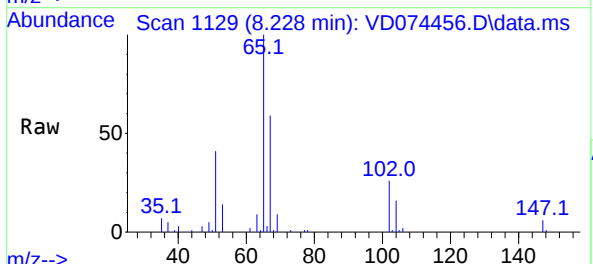


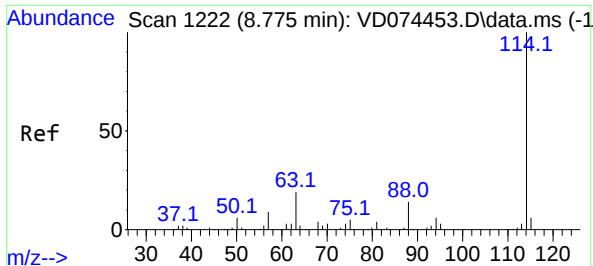
Tgt Ion: 56 Resp: 3591
Ion Ratio Lower Upper
56 100
69 93.6 29.2 43.8#
84 127.5 83.4 125.2#



#33
1,2-Dichloroethane-d4
Concen: 53.368 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. 0.000 min
Lab File: VD074456.D
Acq: 05 Oct 2022 16:14

Tgt Ion: 65 Resp: 52757
Ion Ratio Lower Upper
65 100
67 56.0 0.0 110.2

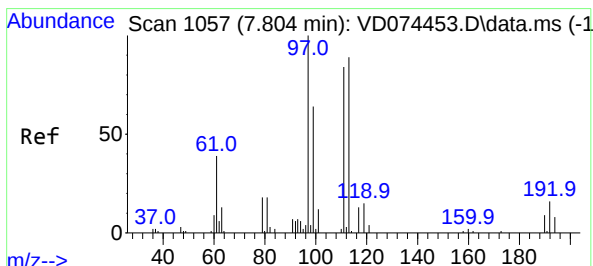
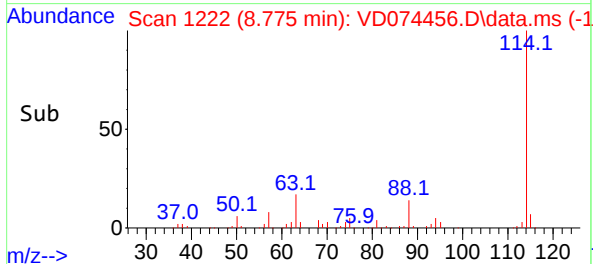
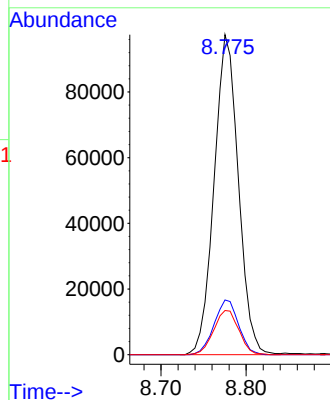
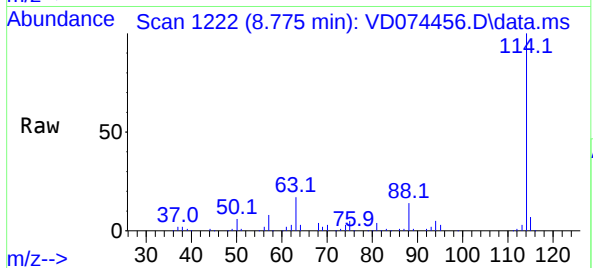




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.775 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD074456.D
Acq: 05 Oct 2022 16:14

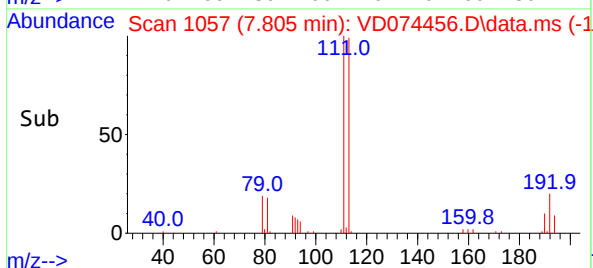
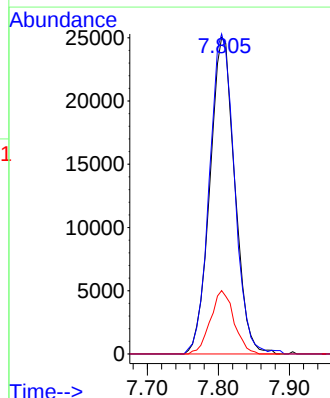
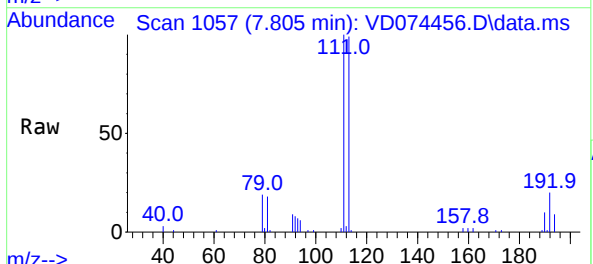
Instrument :
MSVOA_D
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VIBLK

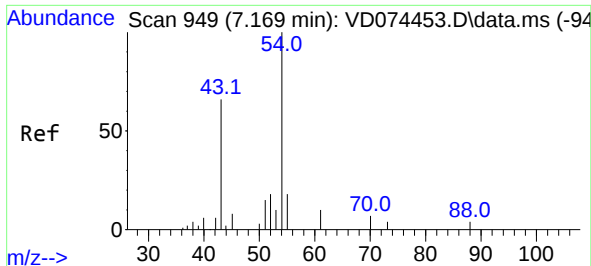
Tgt Ion:114 Resp: 192630
Ion Ratio Lower Upper
114 100
63 17.1 0.0 33.2
88 13.8 0.0 28.2



#35
Dibromofluoromethane
Concen: 47.924 ug/l
RT: 7.805 min Scan# 1057
Delta R.T. 0.000 min
Lab File: VD074456.D
Acq: 05 Oct 2022 16:14

Tgt Ion:113 Resp: 60874
Ion Ratio Lower Upper
113 100
111 101.4 82.3 123.5
192 18.9 16.4 24.6

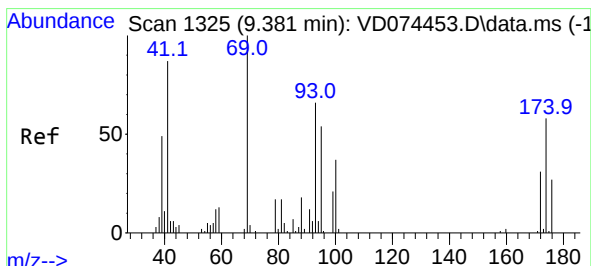
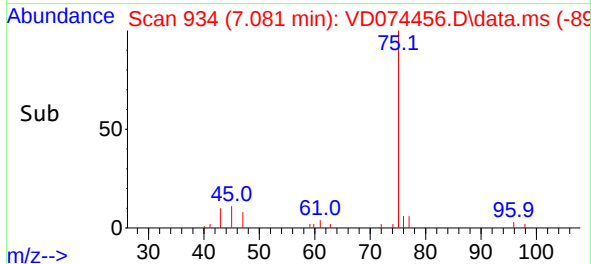
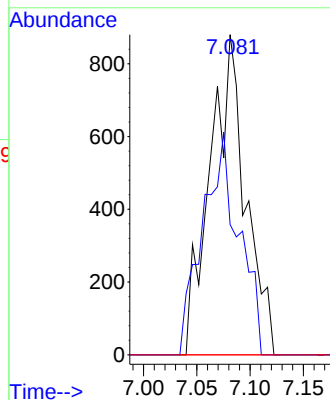
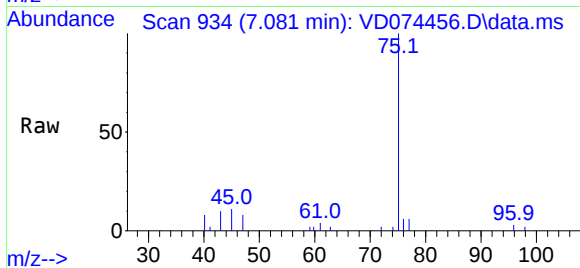




#37
Ethyl Acetate
Concen: 3.490 ug/l
RT: 7.081 min Scan# 91
Delta R.T. -0.088 min
Lab File: VD074456.D
Acq: 05 Oct 2022 16:14

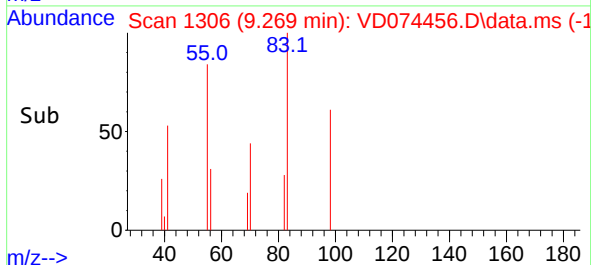
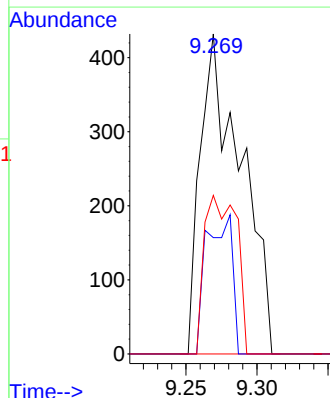
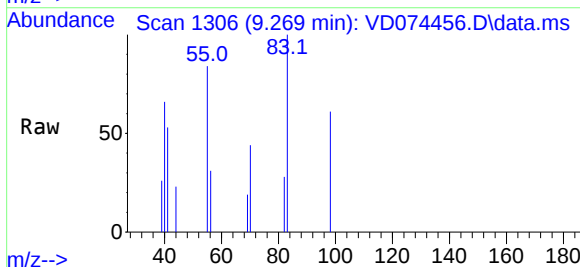
Instrument :
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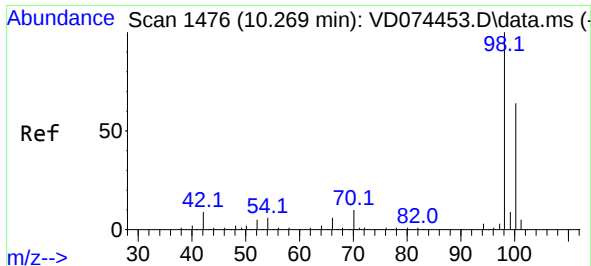
Tgt Ion: 43 Resp: 2043
Ion Ratio Lower Upper
43 100
61 70.8 12.2 18.4#
70 0.0 9.6 14.4#



#48
Methyl methacrylate
Concen: 1.657 ug/l
RT: 9.269 min Scan# 1306
Delta R.T. -0.112 min
Lab File: VD074456.D
Acq: 05 Oct 2022 16:14

Tgt Ion: 41 Resp: 861
Ion Ratio Lower Upper
41 100
69 27.4 93.0 139.4#
39 39.3 44.6 66.8#

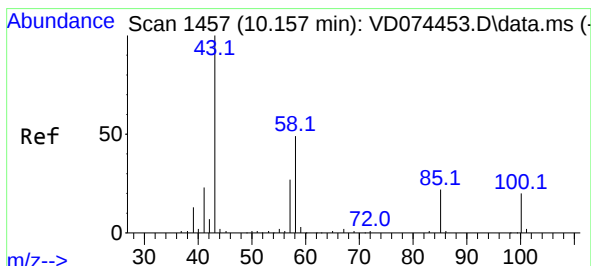
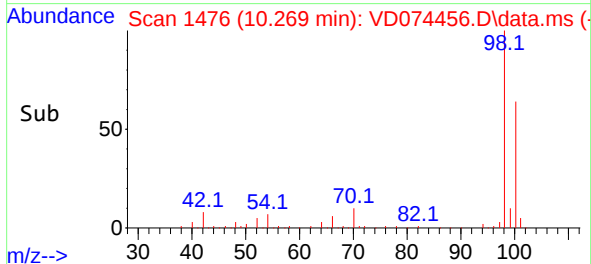
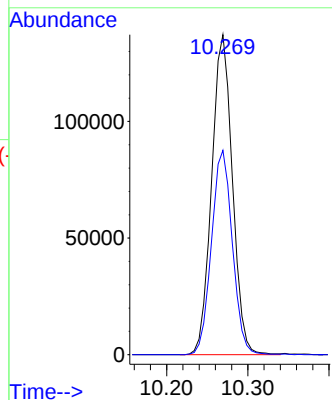
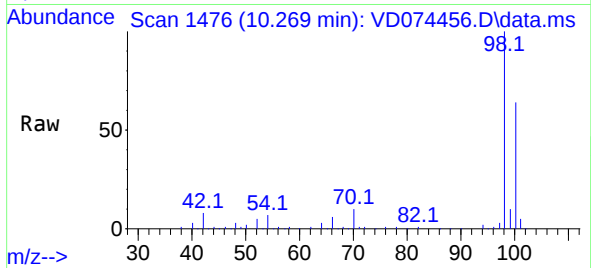




#50
Toluene-d8
Concen: 52.423 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD074456.D
Acq: 05 Oct 2022 16:14

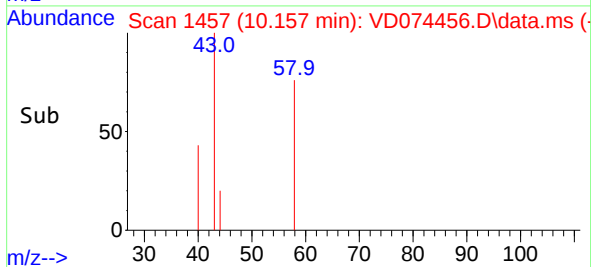
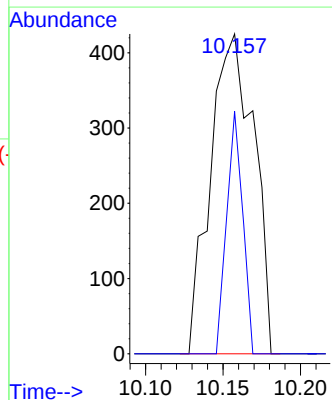
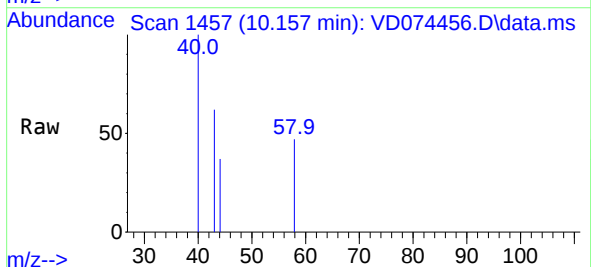
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

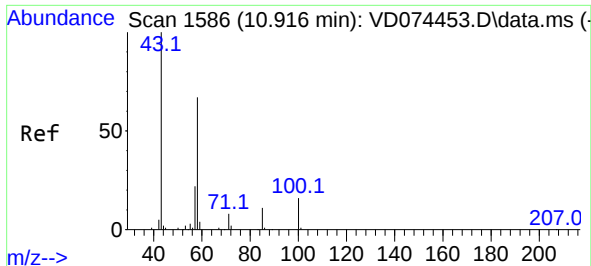
Tgt Ion: 98 Resp: 243649
Ion Ratio Lower Upper
98 100
100 64.3 51.4 77.0



#51
4-Methyl-2-Pentanone
Concen: 1.490 ug/l
RT: 10.157 min Scan# 1457
Delta R.T. 0.000 min
Lab File: VD074456.D
Acq: 05 Oct 2022 16:14

Tgt Ion: 43 Resp: 827
Ion Ratio Lower Upper
43 100
58 27.9 37.8 56.6#

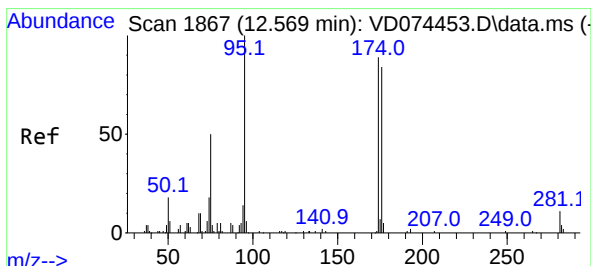
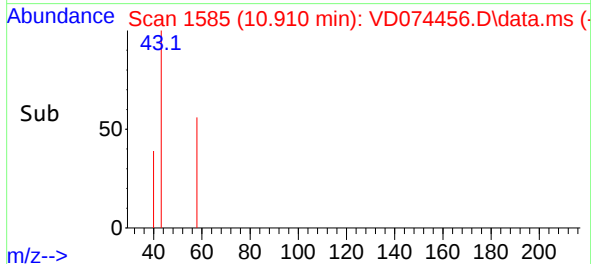
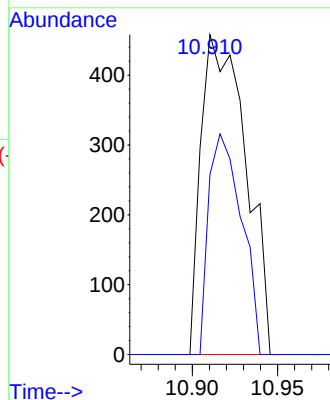
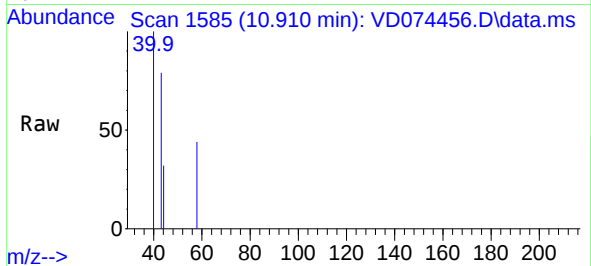




#59
2-Hexanone
Concen: 2.199 ug/l
RT: 10.910 min Scan# 11
Delta R.T. -0.006 min
Lab File: VD074456.D
Acq: 05 Oct 2022 16:14

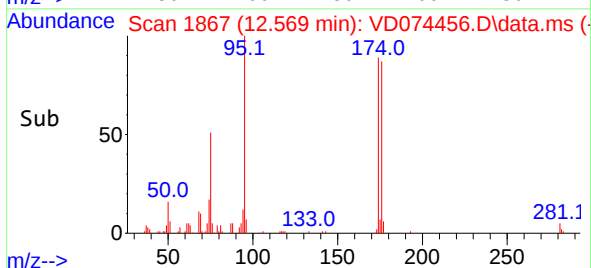
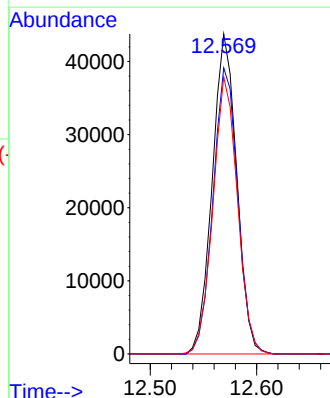
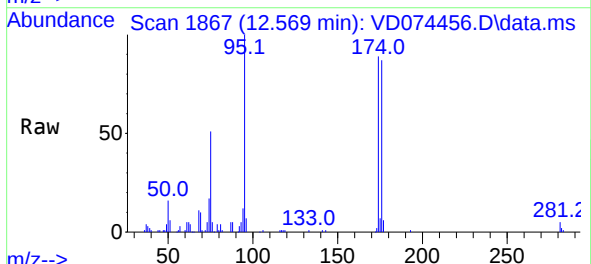
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

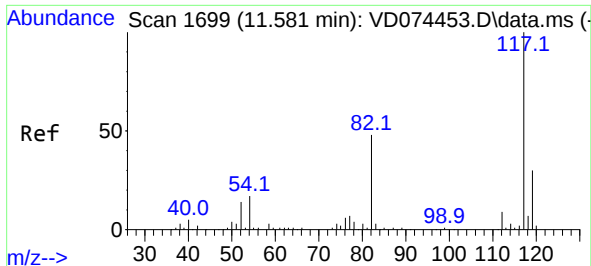
Tgt Ion: 43 Resp: 837
Ion Ratio Lower Upper
43 100
58 50.9 32.0 96.2



#62
4-Bromofluorobenzene
Concen: 48.414 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. 0.000 min
Lab File: VD074456.D
Acq: 05 Oct 2022 16:14

Tgt Ion: 95 Resp: 69696
Ion Ratio Lower Upper
95 100
174 90.5 0.0 197.0
176 86.6 0.0 182.6

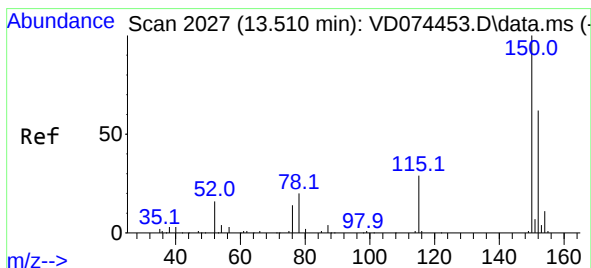
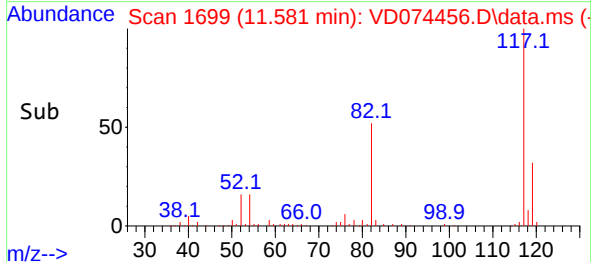
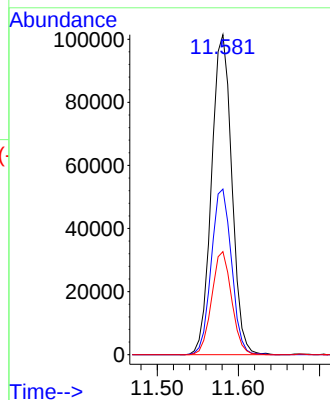
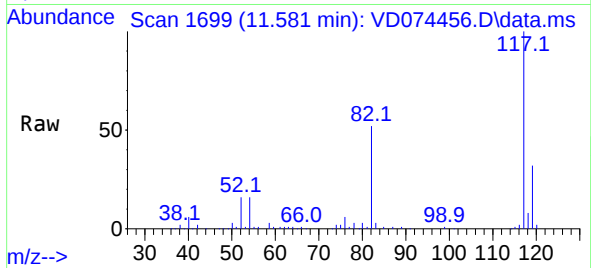




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1
Delta R.T. 0.000 min
Lab File: VD074456.D
Acq: 05 Oct 2022 16:14

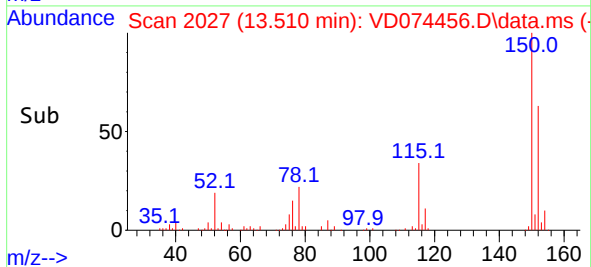
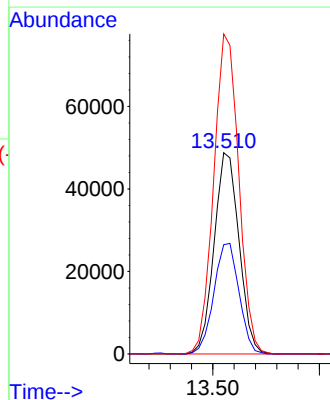
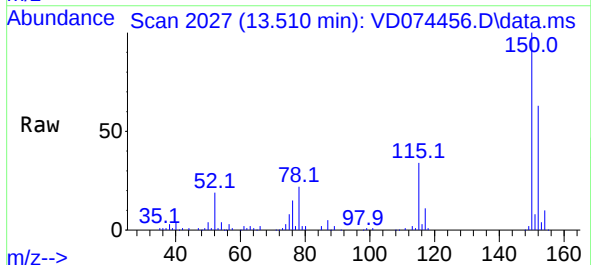
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

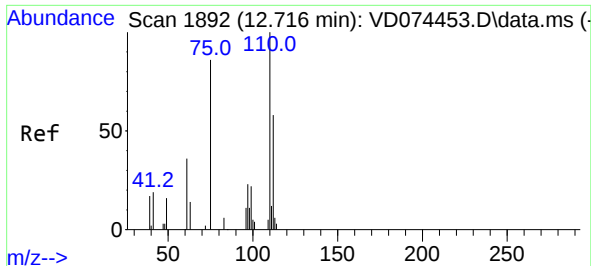
Tgt Ion:117 Resp: 175948
Ion Ratio Lower Upper
117 100
82 51.8 41.6 62.4
119 32.2 25.2 37.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.510 min Scan# 2027
Delta R.T. 0.000 min
Lab File: VD074456.D
Acq: 05 Oct 2022 16:14

Tgt Ion:152 Resp: 79212
Ion Ratio Lower Upper
152 100
115 55.5 26.8 80.4
150 159.8 0.0 348.2

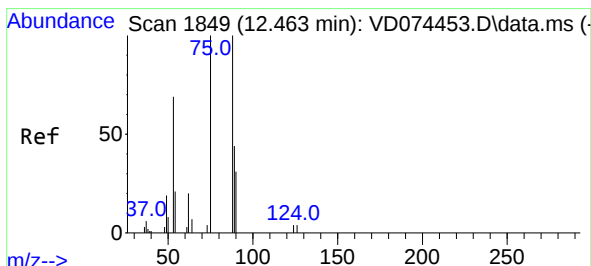
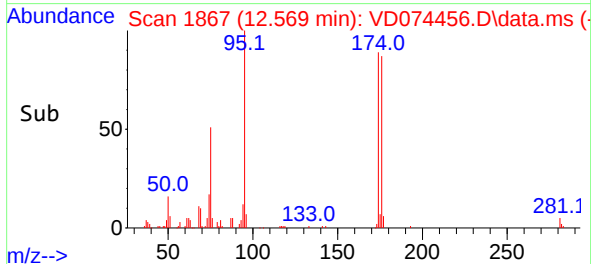
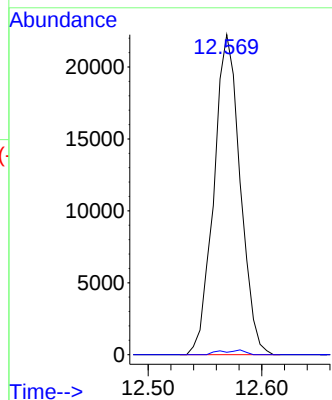
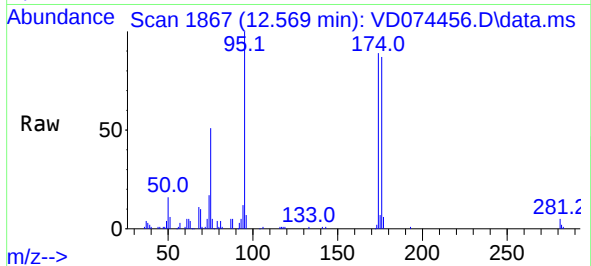




#76
1,2,3-Trichloropropane
Concen: 59.052 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.147 min
Lab File: VD074456.D
Acq: 05 Oct 2022 16:14

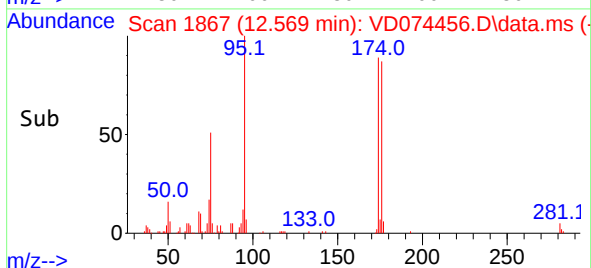
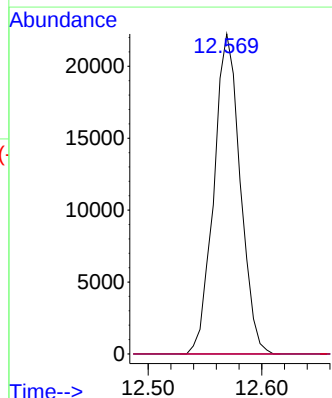
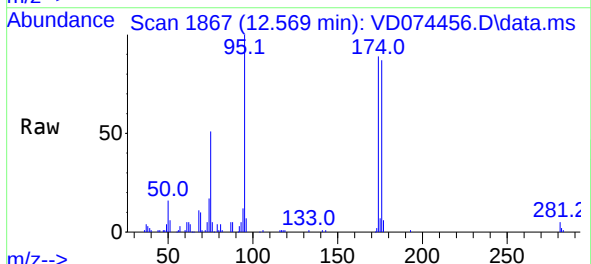
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

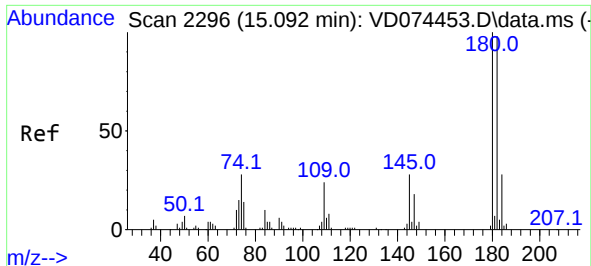
Tgt Ion: 75 Resp: 35907
Ion Ratio Lower Upper
75 100
77 0.6 185.8 557.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 131.752 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. 0.106 min
Lab File: VD074456.D
Acq: 05 Oct 2022 16:14

Tgt Ion: 75 Resp: 35907
Ion Ratio Lower Upper
75 100
53 0.0 63.8 95.6#
89 0.0 38.2 57.4#

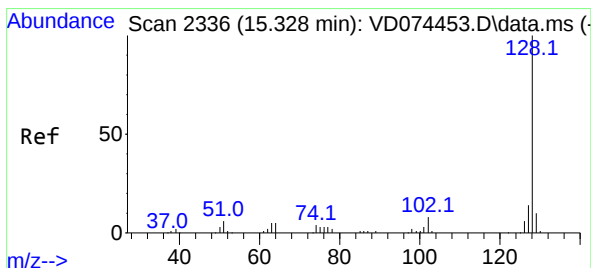
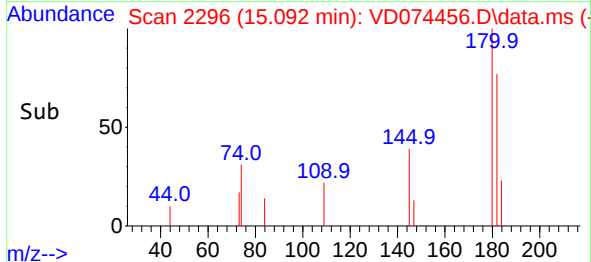
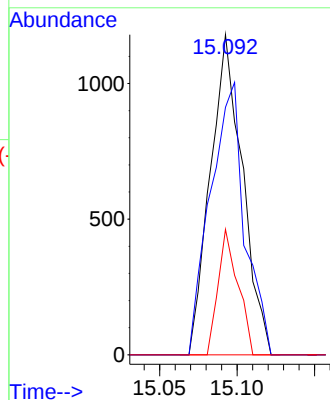
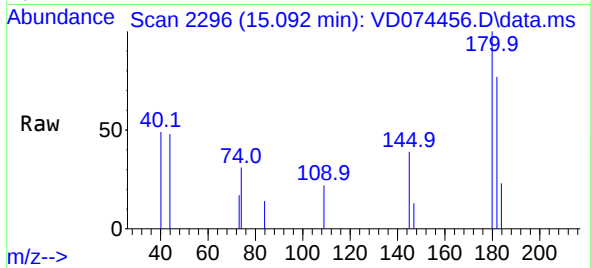




#93
1,2,4-Trichlorobenzene
Concen: 1.152 ug/l
RT: 15.092 min Scan# 2296
Delta R.T. 0.000 min
Lab File: VD074456.D
Acq: 05 Oct 2022 16:14

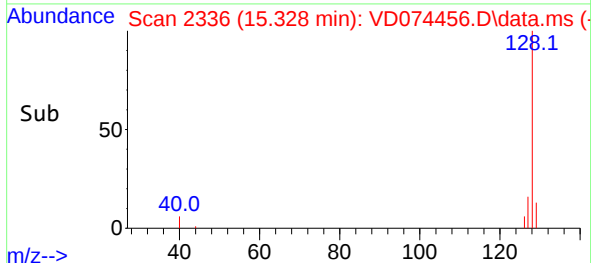
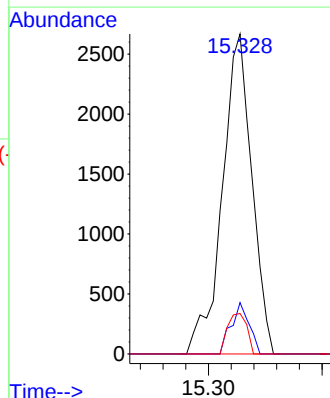
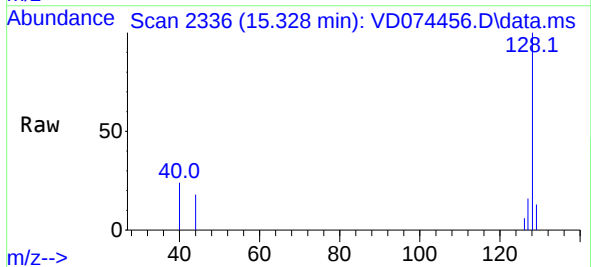
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

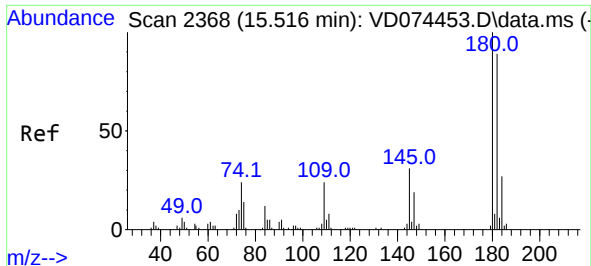
Tgt Ion:180 Resp: 1704
Ion Ratio Lower Upper
180 100
182 90.7 46.9 140.6
145 24.1 14.1 42.3



#95
Naphthalene
Concen: 1.705 ug/l
RT: 15.328 min Scan# 2336
Delta R.T. 0.000 min
Lab File: VD074456.D
Acq: 05 Oct 2022 16:14

Tgt Ion:128 Resp: 4813
Ion Ratio Lower Upper
128 100
127 9.8 10.6 16.0#
129 8.2 8.3 12.5#





#96

1,2,3-Trichlorobenzene

Concen: 1.180 ug/l

RT: 15.516 min Scan# 21

Delta R.T. 0.000 min

Lab File: VD074456.D

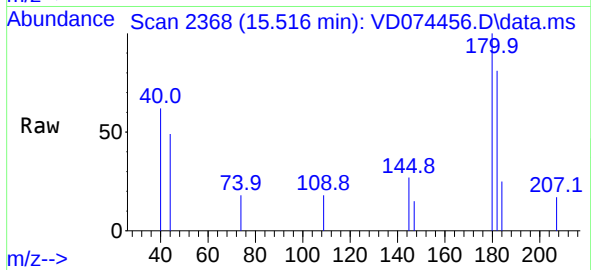
Acq: 05 Oct 2022 16:14

Instrument :

MSVOA_D

ClientSampleId :

VIBLK



Tgt Ion:180 Resp: 1512

Ion Ratio Lower Upper

180 100

182 100.7 46.7 140.1

145 16.1 14.9 44.7

