

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD091622\
 Data File : VD074330.D
 Acq On : 16 Sep 2022 14:53
 Operator : VA/SY
 Sample : VIBLK
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VIBLK

Quant Time: Sep 17 04:22:50 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

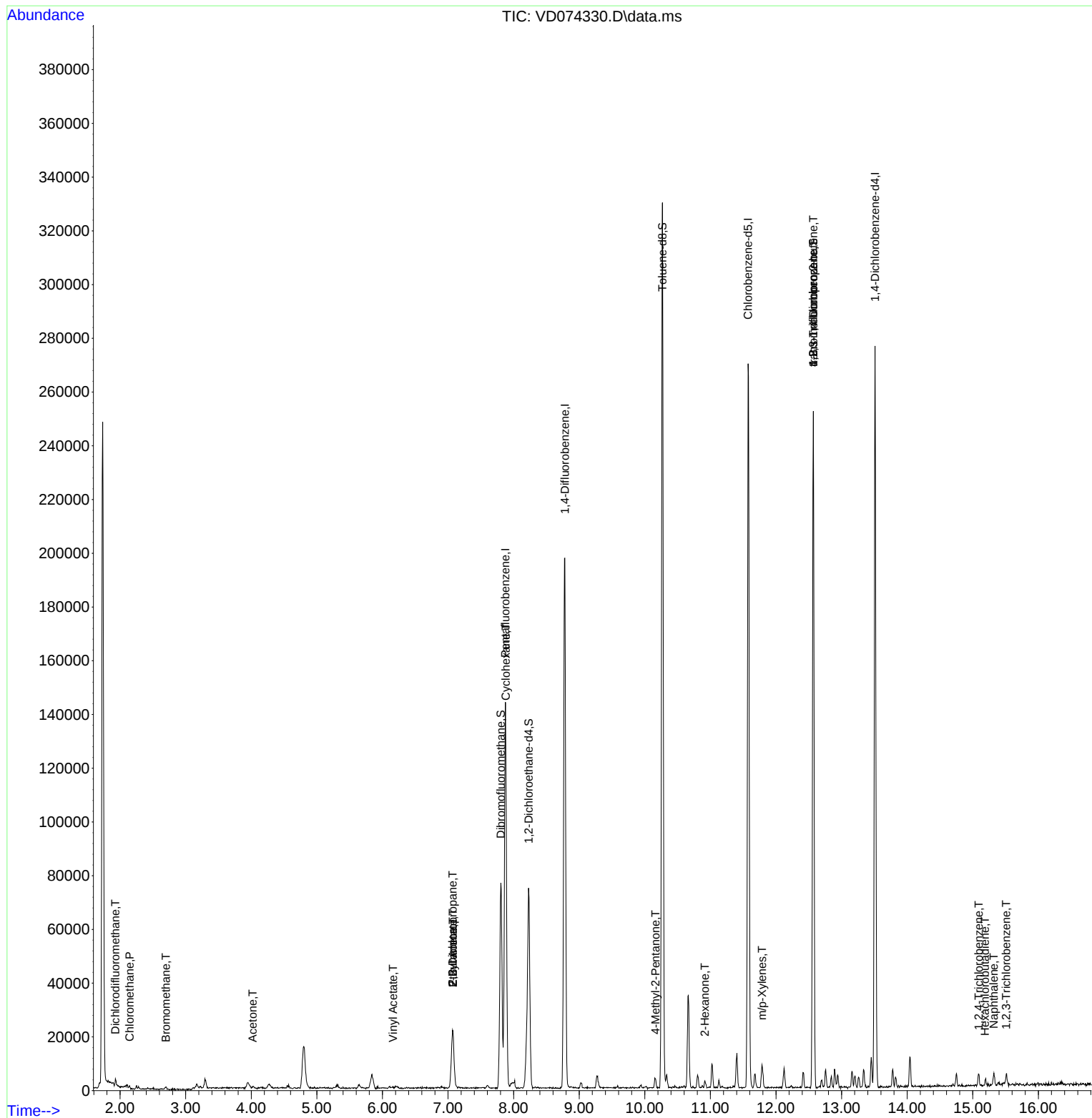
Compound	R.T. QIon		Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.875	168	105340	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	181208	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.575	117	159245	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.510	152	73220	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	53835	52.469	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 104.940%	
35) Dibromofluoromethane	7.805	113	54292	45.492	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 90.980%	
50) Toluene-d8	10.269	98	230648	56.010	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 112.020%	
62) 4-Bromofluorobenzene	12.569	95	66357	47.231	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 94.460%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.928	85	2043	2.105	ug/l	78
3) Chloromethane	2.146	50	966	1.047	ug/l	97
5) Bromomethane	2.699	94	827	1.477	ug/l #	80
16) Acetone	4.022	43	782	3.383	ug/l #	88
18) Methyl Acetate	4.552	43	79	Below Cal	#	51
20) Methylene Chloride	4.799	84	11884	Below Cal	#	90
23) Vinyl Acetate	6.164	43	904	14.715	ug/l #	71
25) 2-Butanone	7.075	43	1624	4.717	ug/l #	48
26) 2,2-Dichloropropane	7.069	77	1830	1.000	ug/l #	53
31) Cyclohexane	7.881	56	4464	2.074	ug/l #	74
37) Ethyl Acetate	7.075	43	1624	2.225	ug/l #	1
51) 4-Methyl-2-Pentanone	10.163	43	2902	4.102	ug/l	91
59) 2-Hexanone	10.916	43	2040	4.123	ug/l	97
68) m/p-Xylenes	11.787	106	3220	1.397	ug/l	96
76) 1,2,3-Trichloropropane	12.569	75	34034	50.238	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.569	75	34034	125.910	ug/l #	100
93) 1,2,4-Trichlorobenzene	15.092	180	1657	1.152	ug/l	91
94) Hexachlorobutadiene	15.187	225	819	1.002	ug/l	76
95) Naphthalene	15.322	128	4790	1.796	ug/l #	96
96) 1,2,3-Trichlorobenzene	15.510	180	1921	1.554	ug/l	95

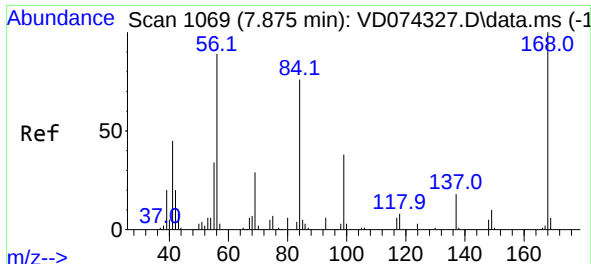
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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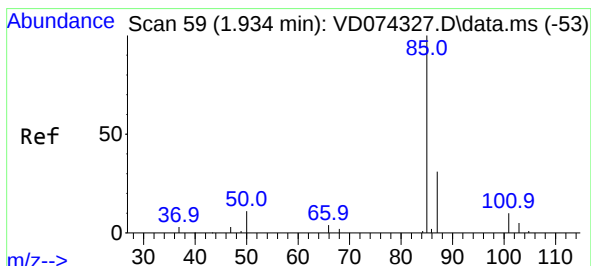
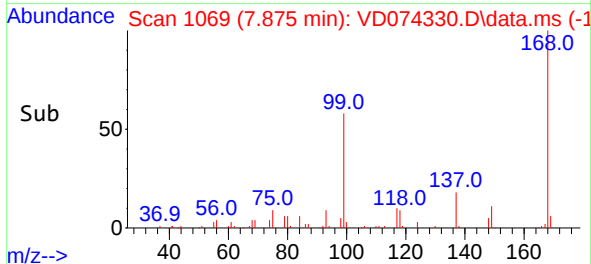
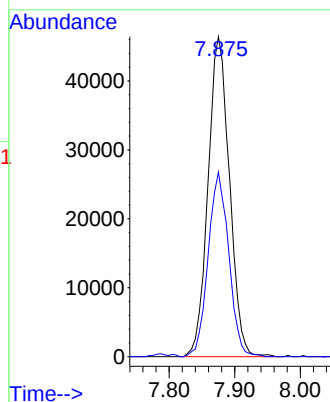
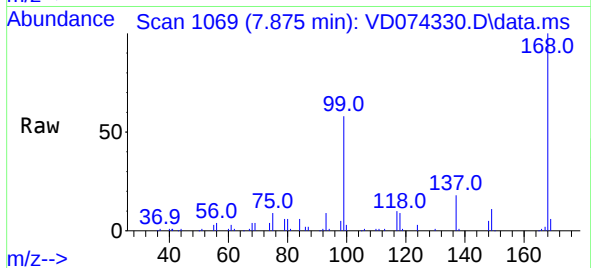




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD074330.D
Acq: 16 Sep 2022 14:53

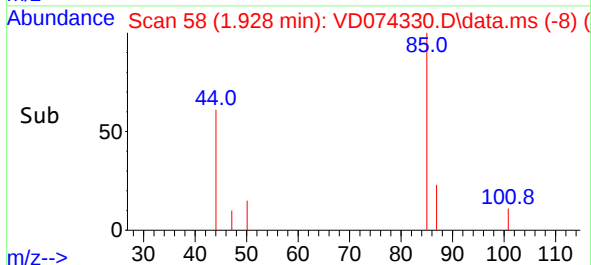
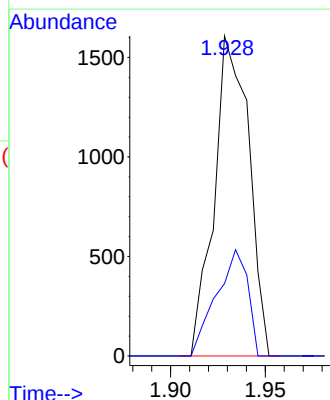
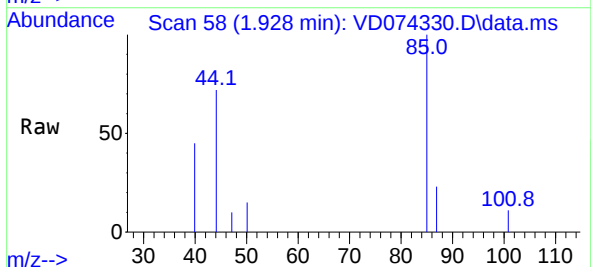
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

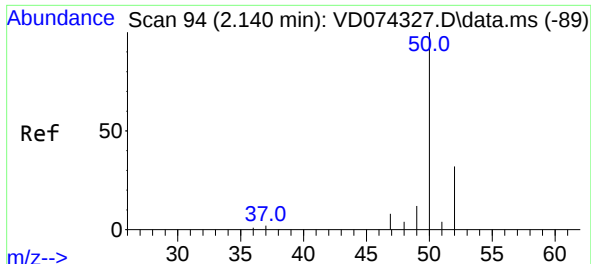
Tgt Ion:168 Resp: 105340
Ion Ratio Lower Upper
168 100
99 57.7 43.0 64.6



#2
Dichlorodifluoromethane
Concen: 2.105 ug/l
RT: 1.928 min Scan# 58
Delta R.T. -0.006 min
Lab File: VD074330.D
Acq: 16 Sep 2022 14:53

Tgt Ion: 85 Resp: 2043
Ion Ratio Lower Upper
85 100
87 22.6 17.9 53.7

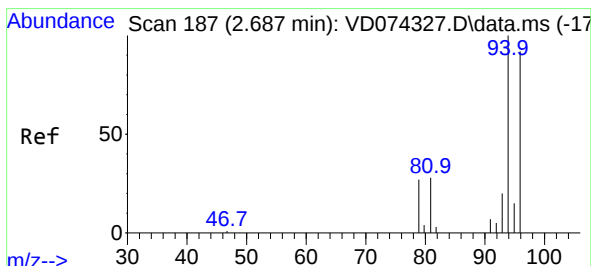
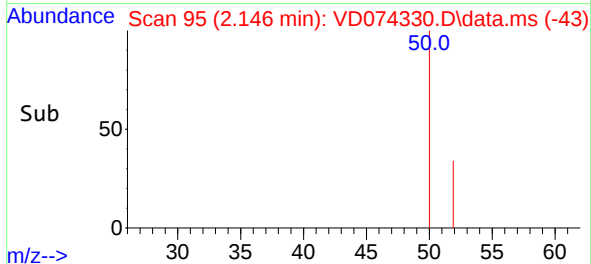
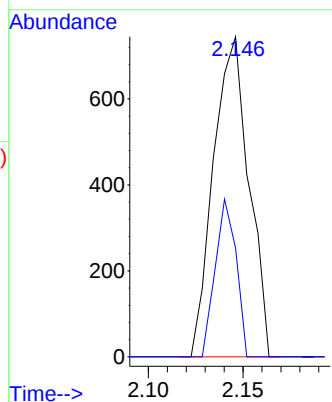
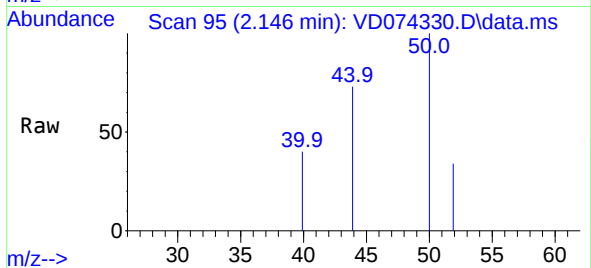




#3
Chloromethane
Concen: 1.047 ug/l
RT: 2.146 min Scan# 91
Delta R.T. 0.006 min
Lab File: VD074330.D
Acq: 16 Sep 2022 14:53

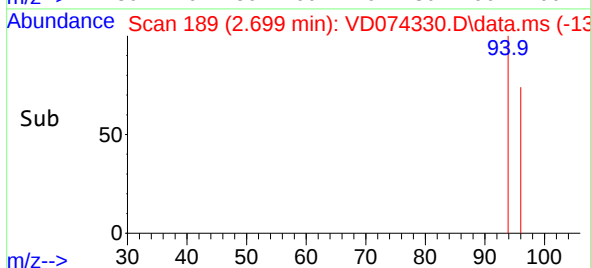
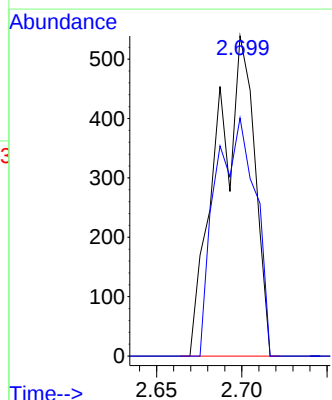
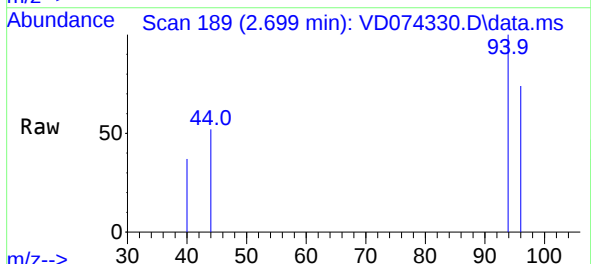
Instrument :
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VIBLK

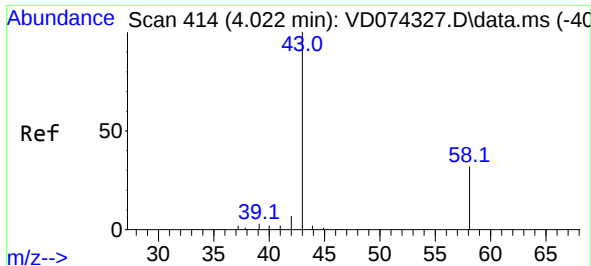
Tgt Ion: 50 Resp: 966
Ion Ratio Lower Upper
50 100
52 34.0 25.8 38.8



#5
Bromomethane
Concen: 1.477 ug/l
RT: 2.699 min Scan# 189
Delta R.T. 0.012 min
Lab File: VD074330.D
Acq: 16 Sep 2022 14:53

Tgt Ion: 94 Resp: 827
Ion Ratio Lower Upper
94 100
96 74.4 74.6 112.0#

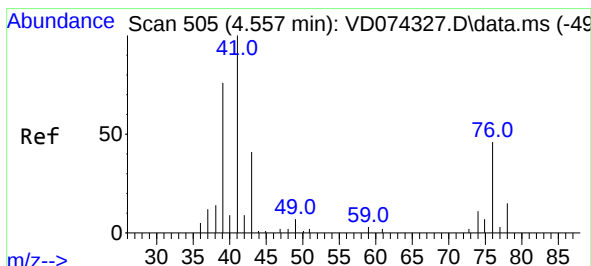
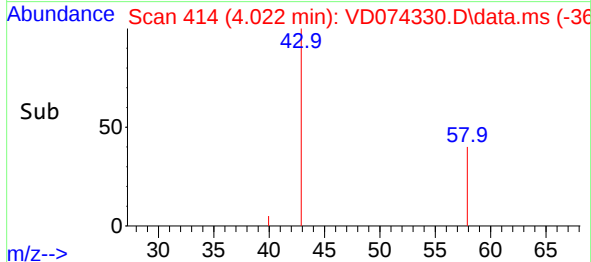
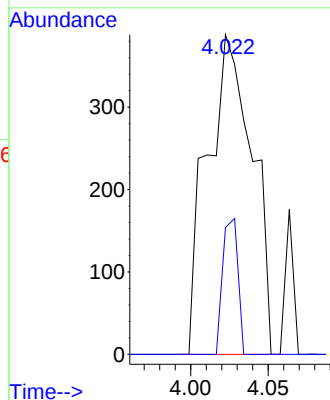
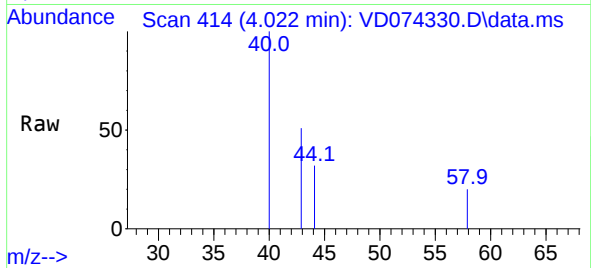




#16
Acetone
Concen: 3.383 ug/l
RT: 4.022 min Scan# 414
Delta R.T. 0.000 min
Lab File: VD074330.D
Acq: 16 Sep 2022 14:53

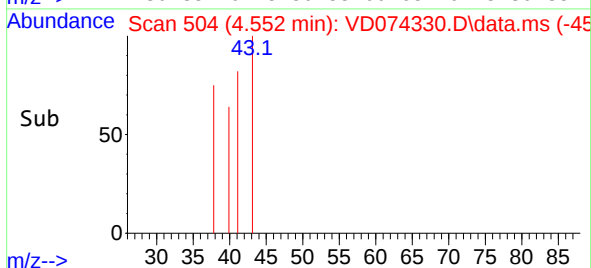
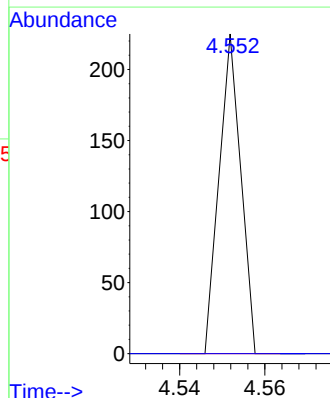
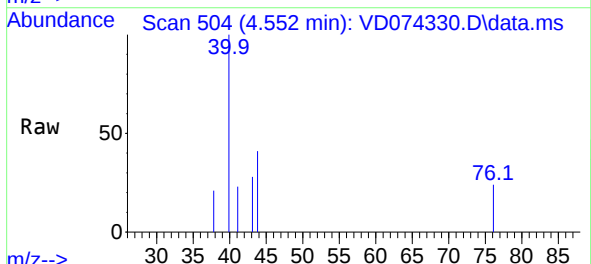
Instrument :
MSVOA_D
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VIBLK

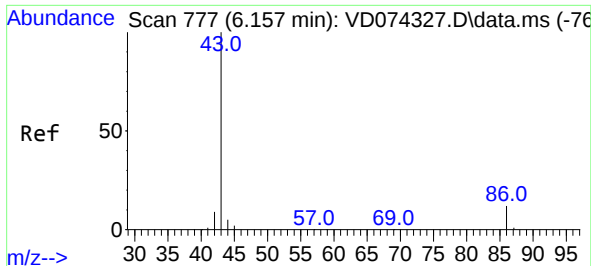
Tgt Ion: 43 Resp: 782
Ion Ratio Lower Upper
43 100
58 39.7 26.4 39.6#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.552 min Scan# 504
Delta R.T. -0.005 min
Lab File: VD074330.D
Acq: 16 Sep 2022 14:53

Tgt Ion: 43 Resp: 79
Ion Ratio Lower Upper
43 100
74 0.0 19.3 28.9#

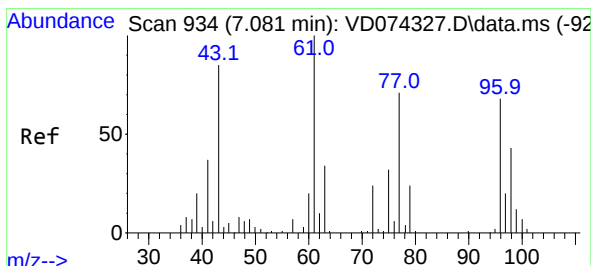
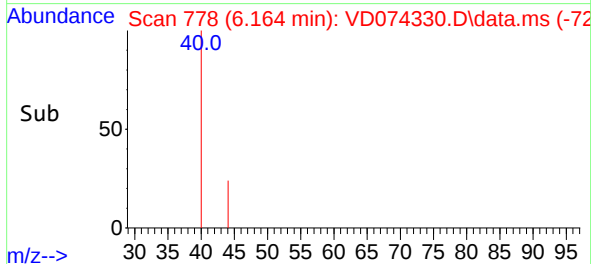
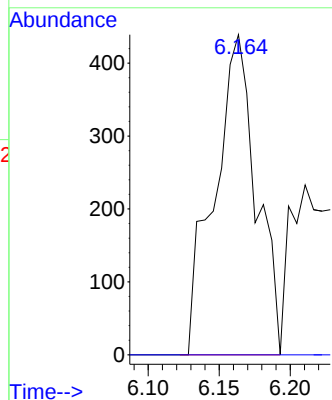
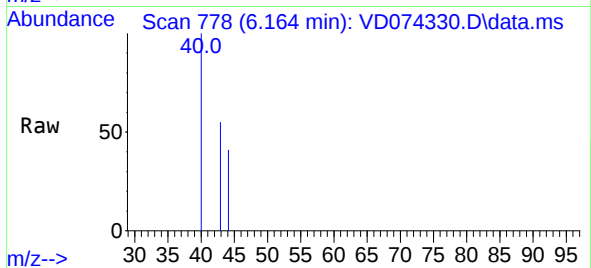




#23
 Vinyl Acetate
 Concen: 14.715 ug/l
 RT: 6.164 min Scan# 71
 Delta R.T. 0.006 min
 Lab File: VD074330.D
 Acq: 16 Sep 2022 14:53

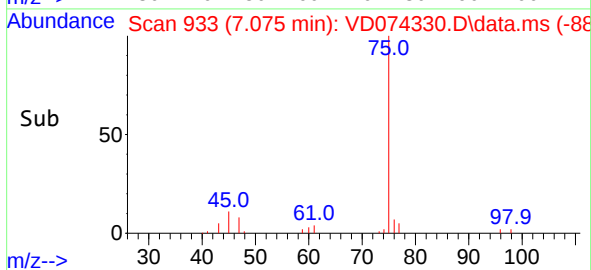
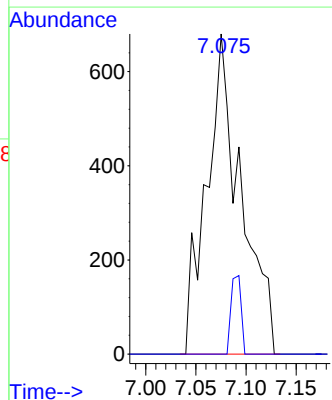
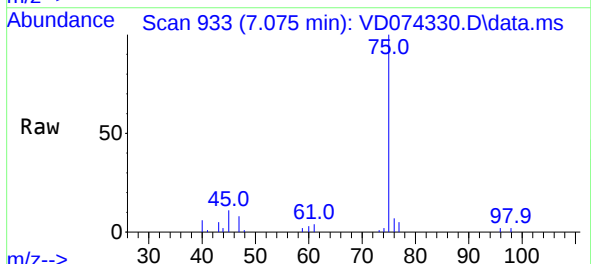
Instrument :
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 ClientSampleId :
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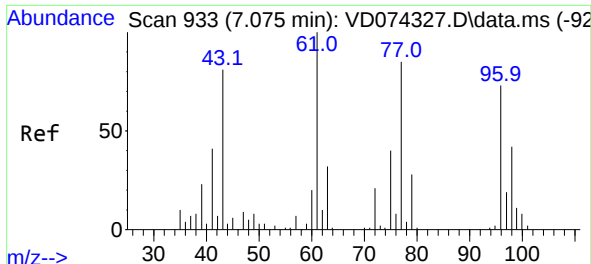
Tgt Ion: 43 Resp: 904
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.6 13.0#



#25
 2-Butanone
 Concen: 4.717 ug/l
 RT: 7.075 min Scan# 933
 Delta R.T. -0.006 min
 Lab File: VD074330.D
 Acq: 16 Sep 2022 14:53

Tgt Ion: 43 Resp: 1624
 Ion Ratio Lower Upper
 43 100
 72 0.0 21.8 32.6#

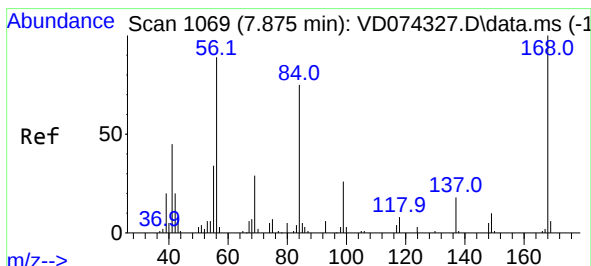
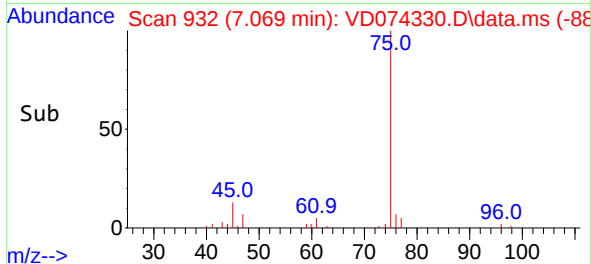
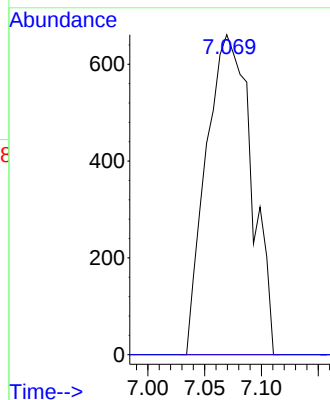
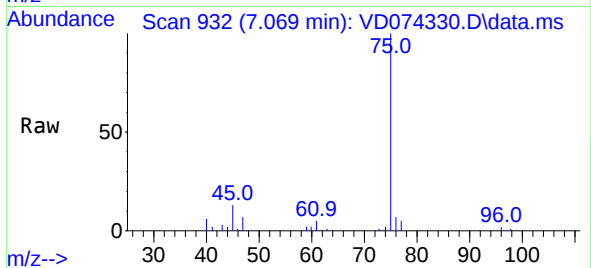




#26
2,2-Dichloropropane
Concen: 1.000 ug/l
RT: 7.069 min Scan# 91
Delta R.T. -0.006 min
Lab File: VD074330.D
Acq: 16 Sep 2022 14:53

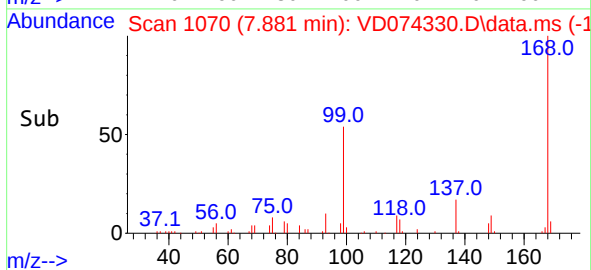
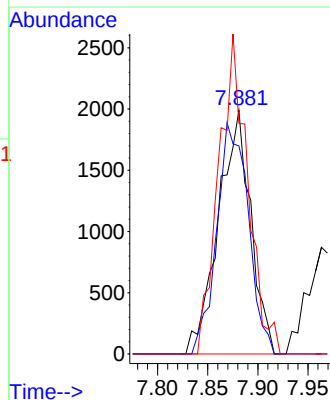
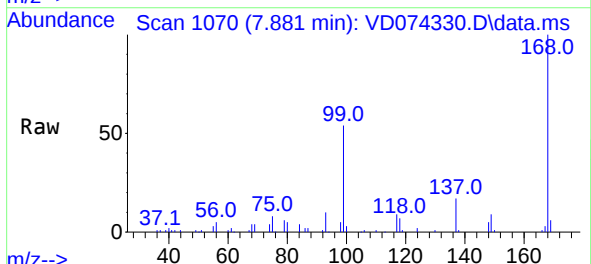
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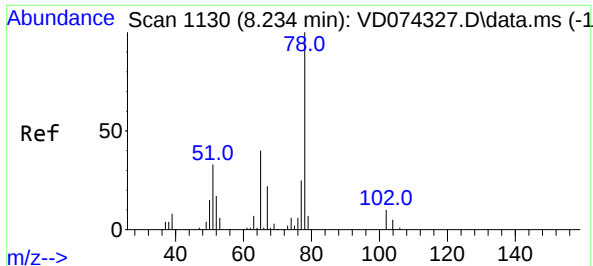
Tgt Ion: 77 Resp: 1830
Ion Ratio Lower Upper
77 100
97 0.0 11.5 34.4#



#31
Cyclohexane
Concen: 2.074 ug/l
RT: 7.881 min Scan# 1070
Delta R.T. 0.006 min
Lab File: VD074330.D
Acq: 16 Sep 2022 14:53

Tgt Ion: 56 Resp: 4464
Ion Ratio Lower Upper
56 100
69 85.3 25.7 38.5#
84 94.6 73.9 110.9

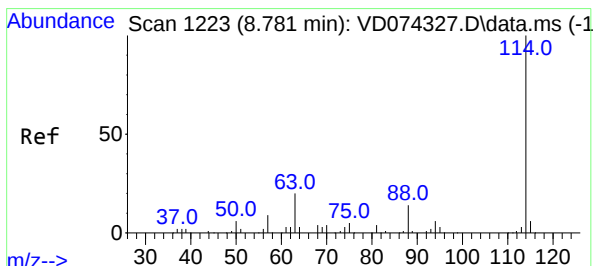
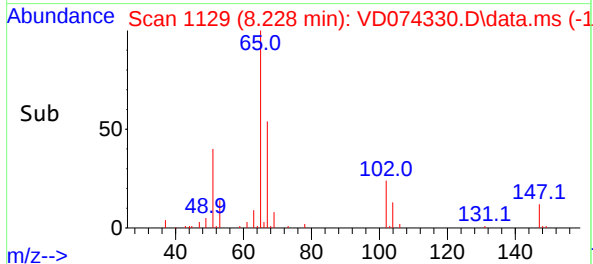
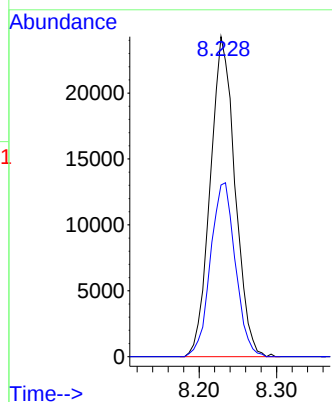
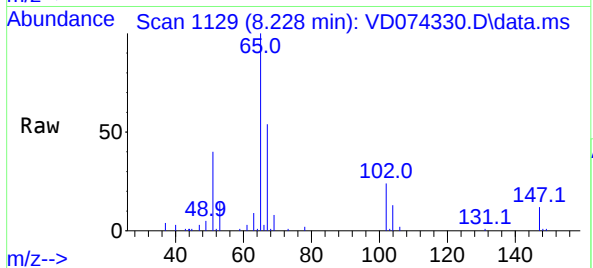




#33
1,2-Dichloroethane-d4
Concen: 52.469 ug/l
RT: 8.228 min Scan# 1130
Delta R.T. -0.006 min
Lab File: VD074330.D
Acq: 16 Sep 2022 14:53

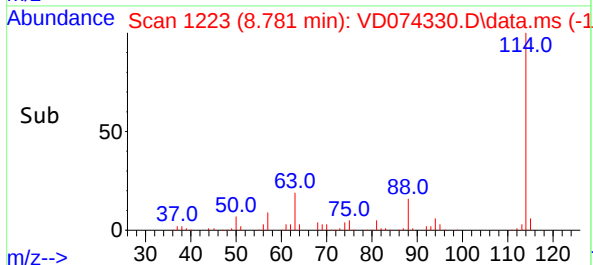
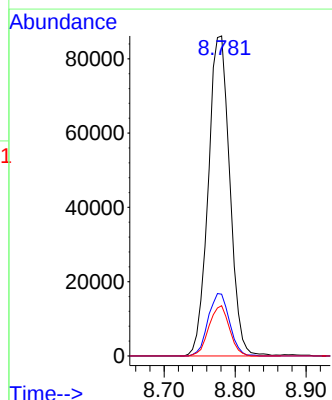
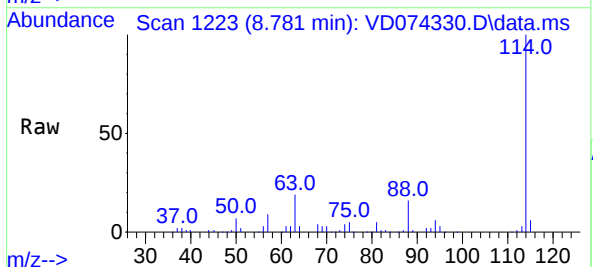
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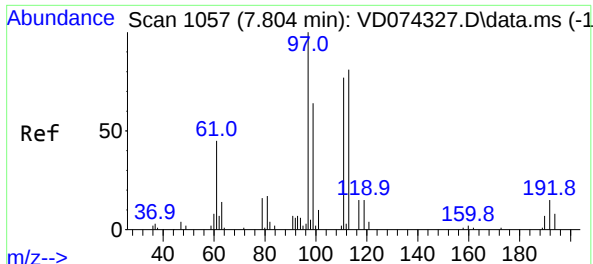
Tgt Ion: 65 Resp: 53835
Ion Ratio Lower Upper
65 100
67 54.6 0.0 110.6



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.781 min Scan# 1223
Delta R.T. 0.000 min
Lab File: VD074330.D
Acq: 16 Sep 2022 14:53

Tgt Ion: 114 Resp: 181208
Ion Ratio Lower Upper
114 100
63 19.3 0.0 37.6
88 15.7 0.0 28.4

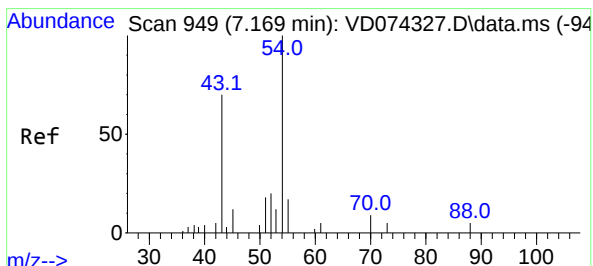
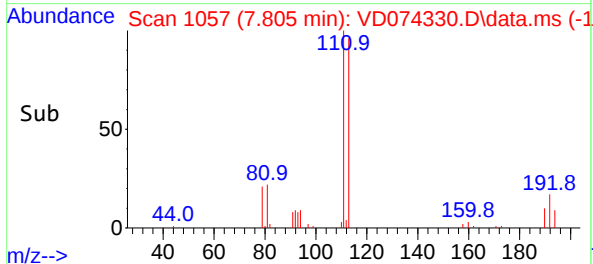
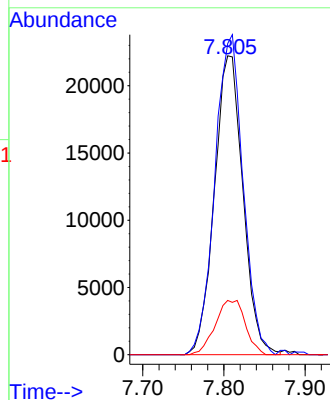
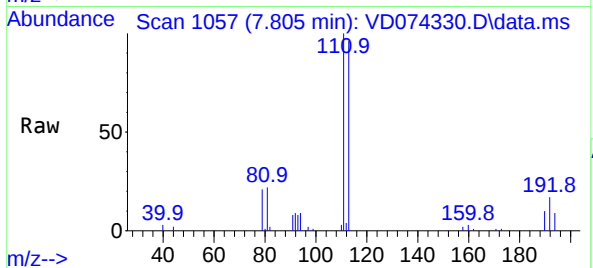




#35
Dibromofluoromethane
Concen: 45.492 ug/l
RT: 7.805 min Scan# 1057
Delta R.T. 0.001 min
Lab File: VD074330.D
Acq: 16 Sep 2022 14:53

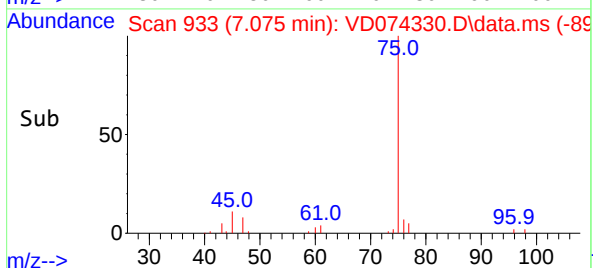
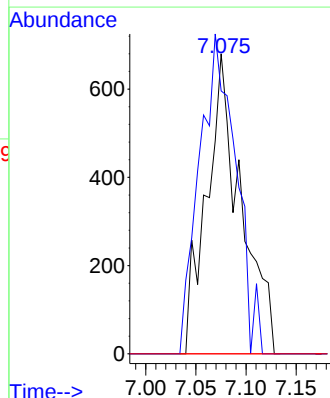
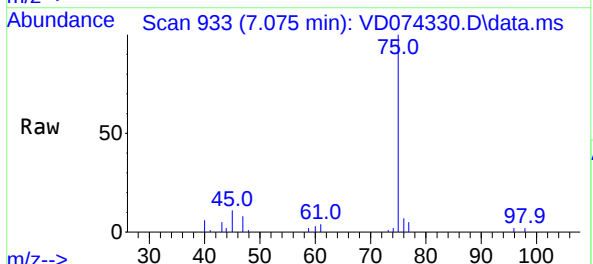
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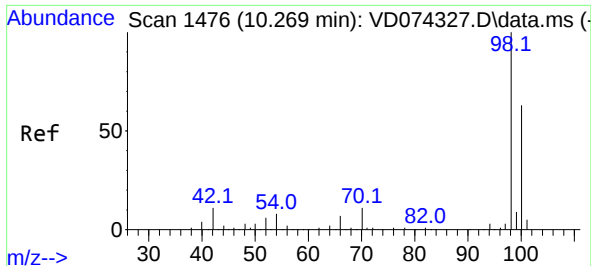
Tgt Ion:113 Resp: 54292
Ion Ratio Lower Upper
113 100
111 105.9 83.0 124.6
192 19.2 16.2 24.2



#37
Ethyl Acetate
Concen: 2.225 ug/l
RT: 7.075 min Scan# 933
Delta R.T. -0.094 min
Lab File: VD074330.D
Acq: 16 Sep 2022 14:53

Tgt Ion: 43 Resp: 1624
Ion Ratio Lower Upper
43 100
61 112.3 12.1 18.1#
70 0.0 8.5 12.7#

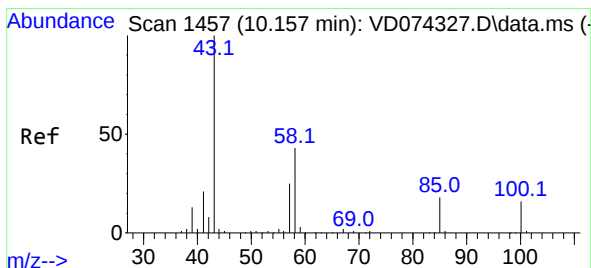
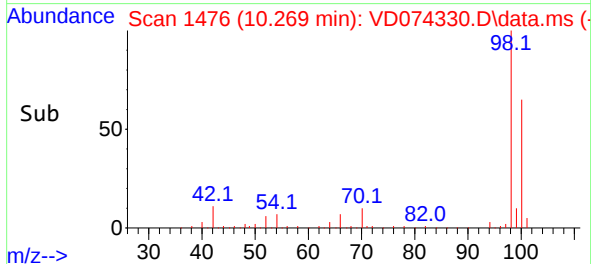
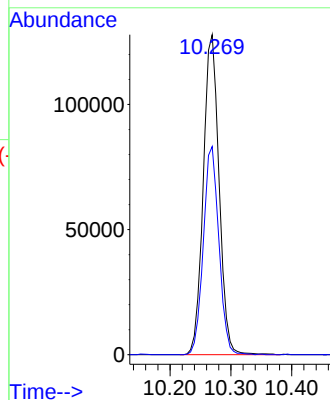
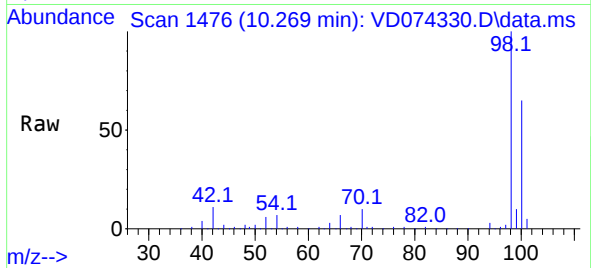




#50
Toluene-d8
Concen: 56.010 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD074330.D
Acq: 16 Sep 2022 14:53

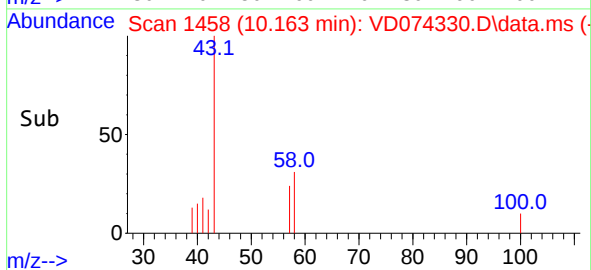
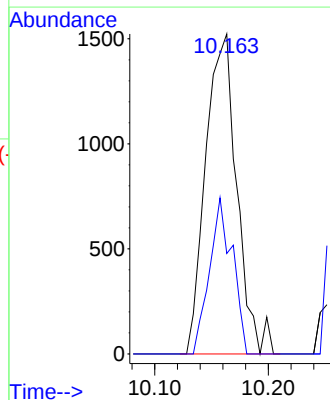
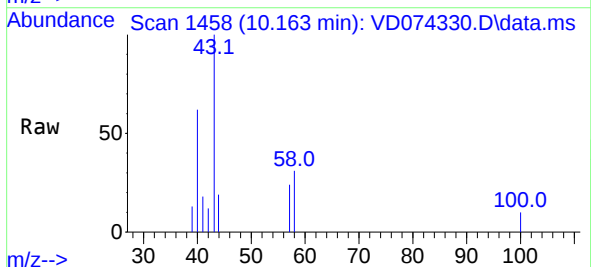
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

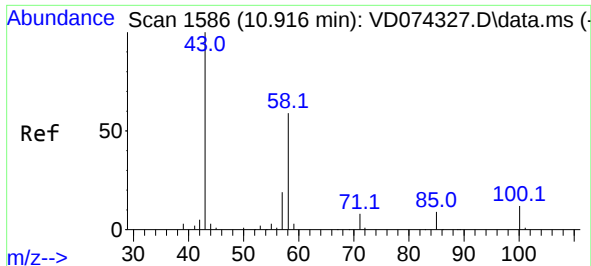
Tgt Ion: 98 Resp: 230648
Ion Ratio Lower Upper
98 100
100 64.0 51.8 77.8



#51
4-Methyl-2-Pentanone
Concen: 4.102 ug/l
RT: 10.163 min Scan# 1458
Delta R.T. 0.006 min
Lab File: VD074330.D
Acq: 16 Sep 2022 14:53

Tgt Ion: 43 Resp: 2902
Ion Ratio Lower Upper
43 100
58 35.8 33.3 49.9

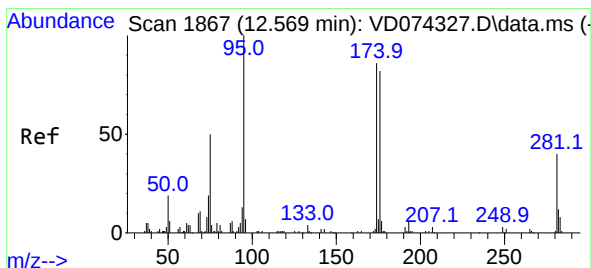
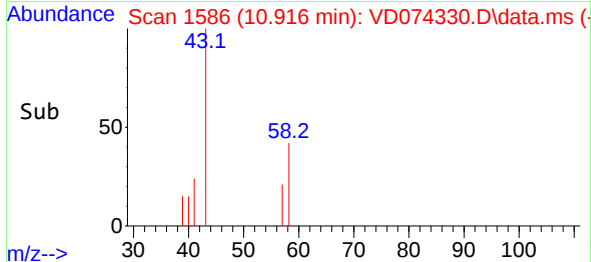
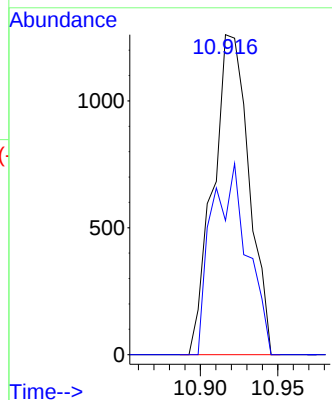
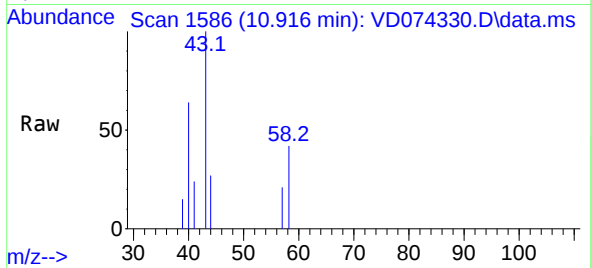




#59
2-Hexanone
Concen: 4.123 ug/l
RT: 10.916 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VD074330.D
Acq: 16 Sep 2022 14:53

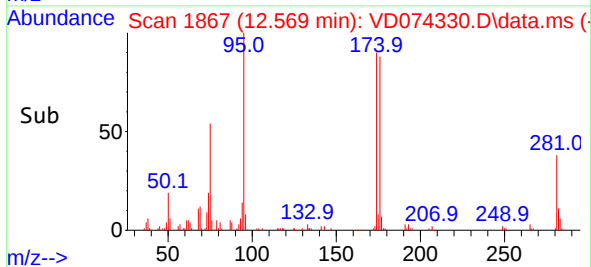
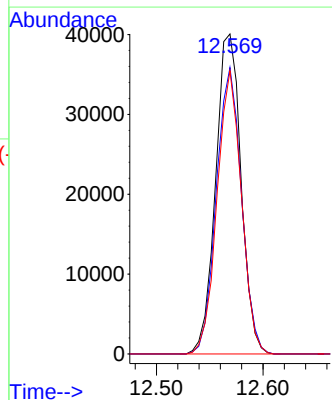
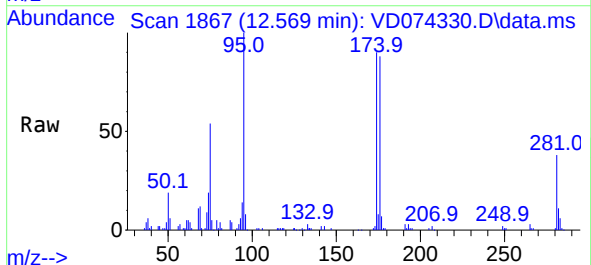
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

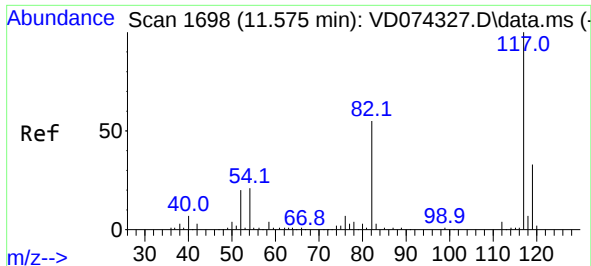
Tgt Ion: 43 Resp: 2040
Ion Ratio Lower Upper
43 100
58 59.4 28.6 85.8



#62
4-Bromofluorobenzene
Concen: 47.231 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. 0.000 min
Lab File: VD074330.D
Acq: 16 Sep 2022 14:53

Tgt Ion: 95 Resp: 66357
Ion Ratio Lower Upper
95 100
174 88.3 0.0 179.2
176 84.6 0.0 171.4

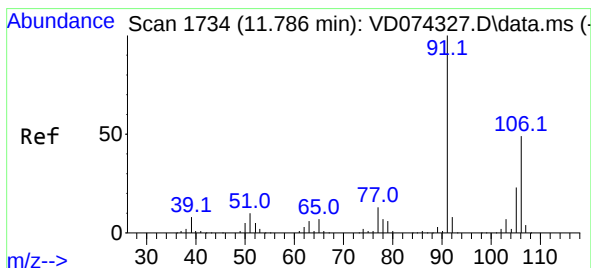
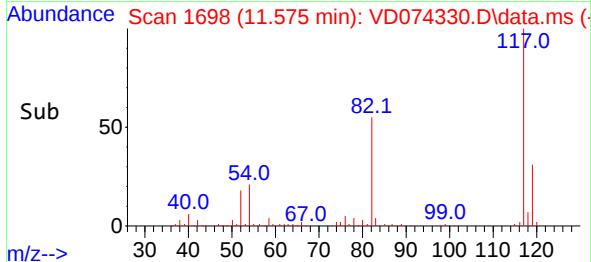
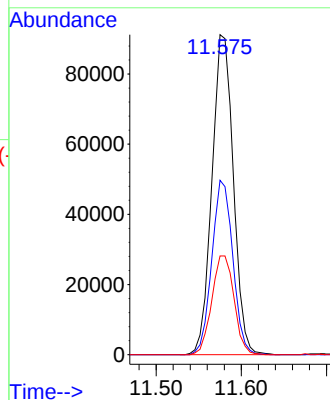
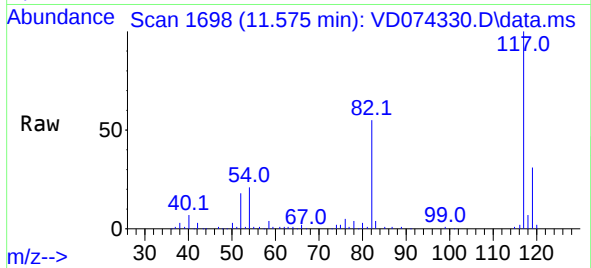




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.575 min Scan# 1170
Delta R.T. -0.000 min
Lab File: VD074330.D
Acq: 16 Sep 2022 14:53

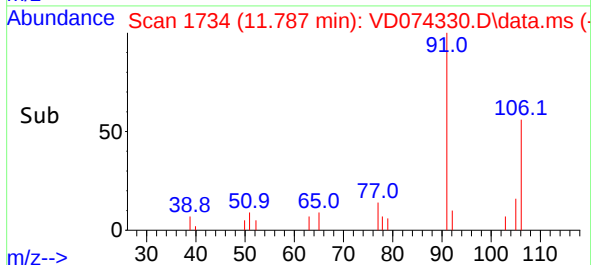
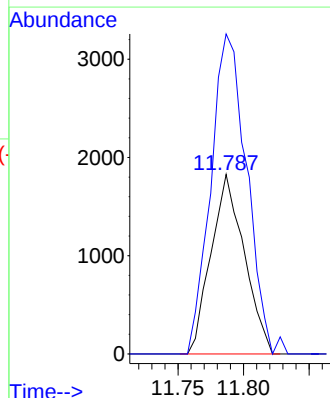
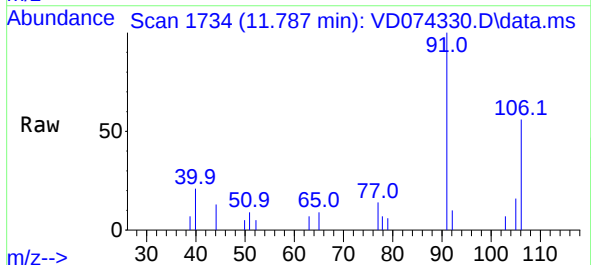
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

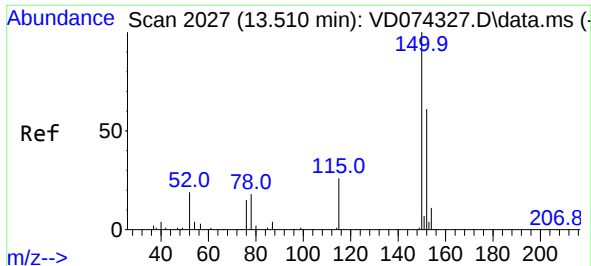
Tgt Ion:117 Resp: 159245
Ion Ratio Lower Upper
117 100
82 54.5 44.2 66.2
119 30.9 25.4 38.0



#68
m/p-Xylenes
Concen: 1.397 ug/l
RT: 11.787 min Scan# 1734
Delta R.T. 0.001 min
Lab File: VD074330.D
Acq: 16 Sep 2022 14:53

Tgt Ion:106 Resp: 3220
Ion Ratio Lower Upper
106 100
91 192.9 158.6 237.8

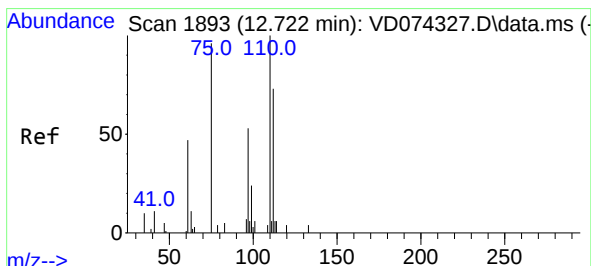
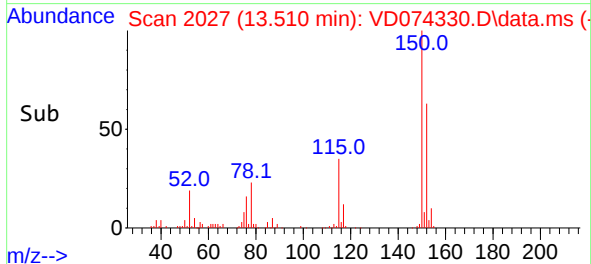
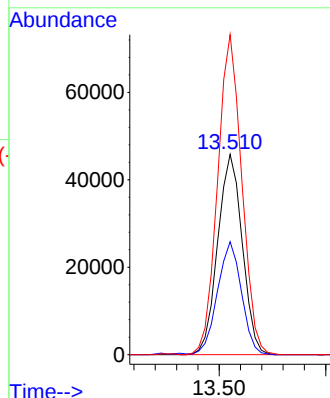
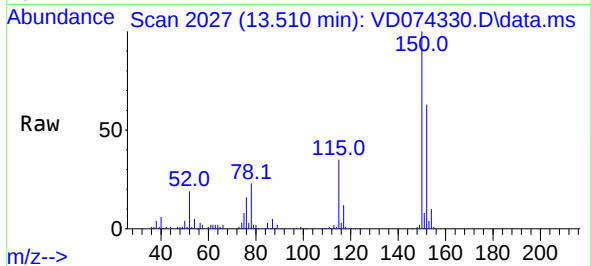




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.510 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VD074330.D
 Acq: 16 Sep 2022 14:53

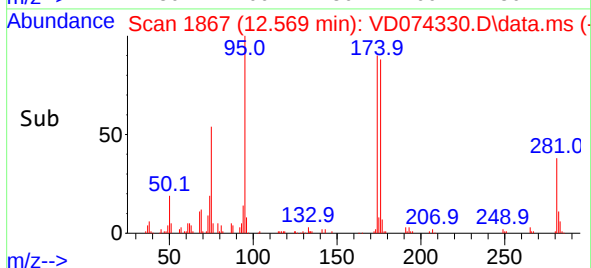
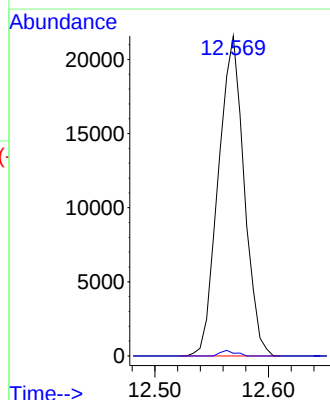
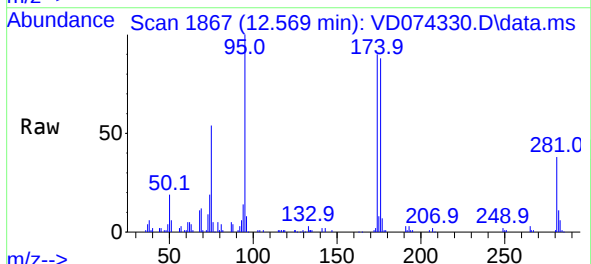
Instrument :
 MSVOA_D
 ClientSampleId :
 VIBLK

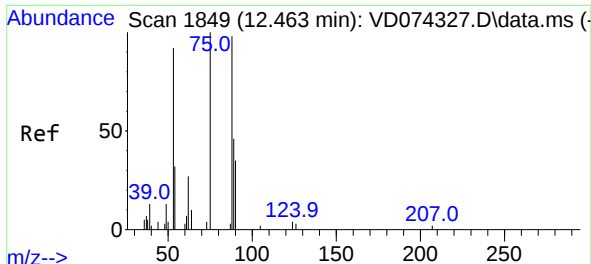
Tgt Ion:152 Resp: 73220
 Ion Ratio Lower Upper
 152 100
 115 55.1 28.4 85.2
 150 157.1 0.0 351.0



#76
 1,2,3-Trichloropropane
 Concen: 50.238 ug/l
 RT: 12.569 min Scan# 1867
 Delta R.T. -0.153 min
 Lab File: VD074330.D
 Acq: 16 Sep 2022 14:53

Tgt Ion: 75 Resp: 34034
 Ion Ratio Lower Upper
 75 100
 77 1.0 0.0 0.0#

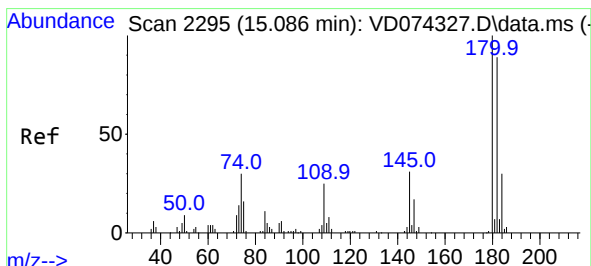
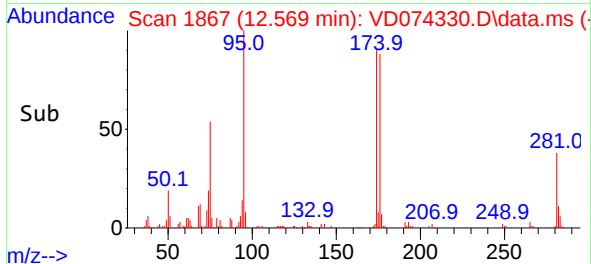
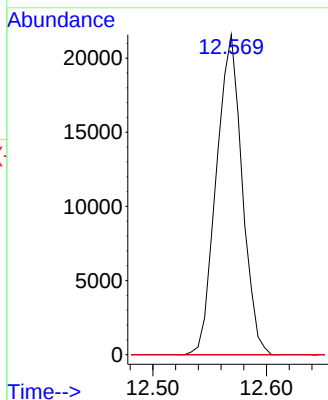
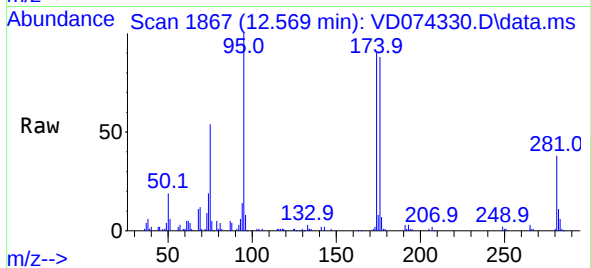




#81
trans-1,4-Dichloro-2-butene
Concen: 125.910 ug/l
RT: 12.569 min Scan# 11
Delta R.T. 0.106 min
Lab File: VD074330.D
Acq: 16 Sep 2022 14:53

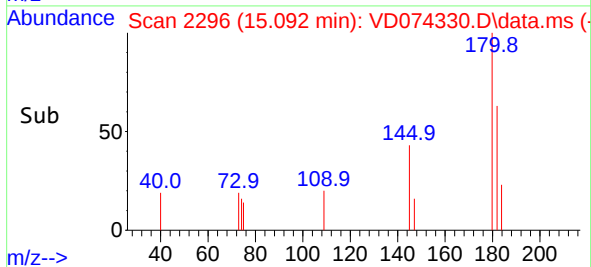
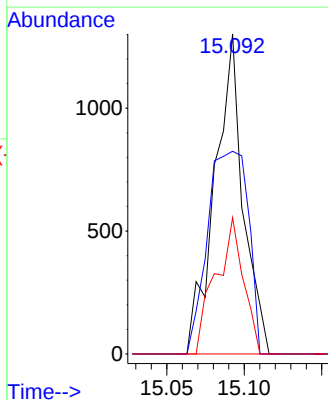
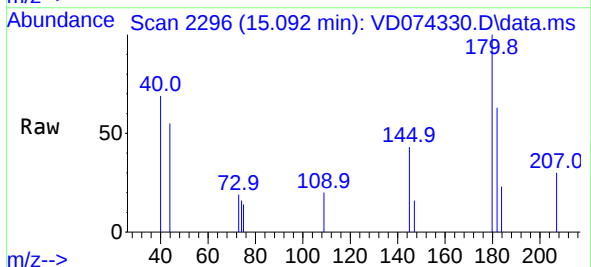
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

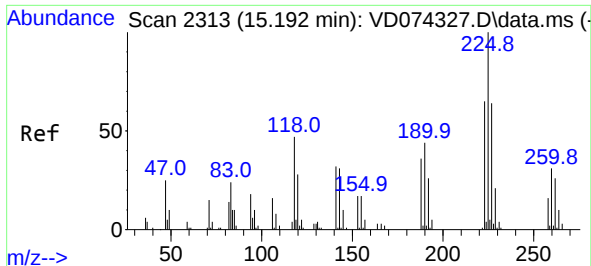
Tgt Ion: 75 Resp: 34034
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0



#93
1,2,4-Trichlorobenzene
Concen: 1.152 ug/l
RT: 15.092 min Scan# 2296
Delta R.T. 0.006 min
Lab File: VD074330.D
Acq: 16 Sep 2022 14:53

Tgt Ion:180 Resp: 1657
Ion Ratio Lower Upper
180 100
182 91.2 47.6 142.9
145 41.6 14.4 43.4

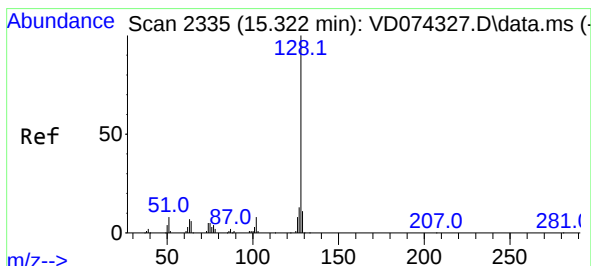
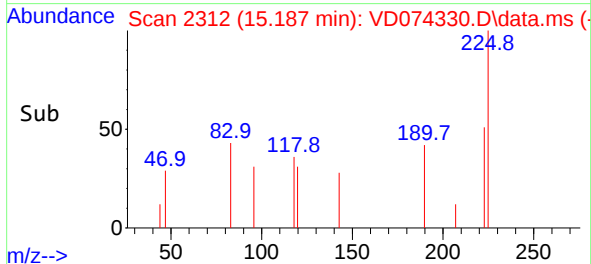
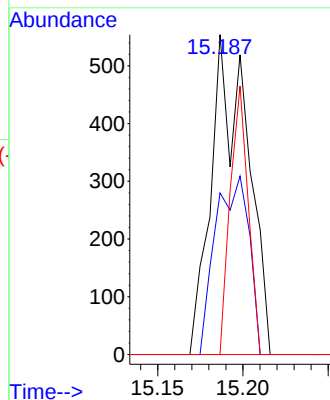
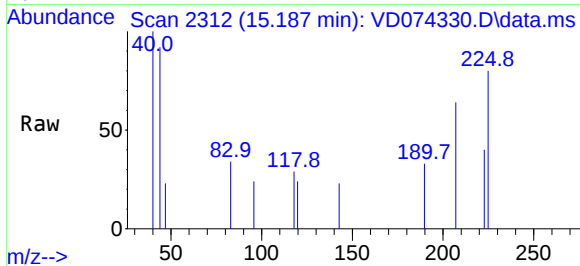




#94
Hexachlorobutadiene
Concen: 1.002 ug/l
RT: 15.187 min Scan# 21
Delta R.T. -0.005 min
Lab File: VD074330.D
Acq: 16 Sep 2022 14:53

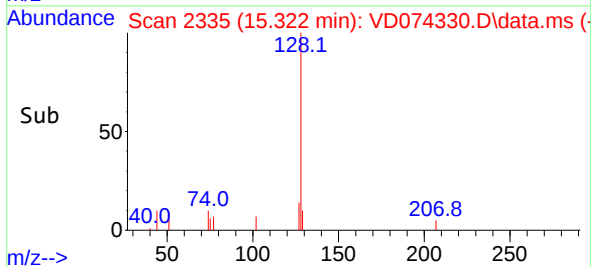
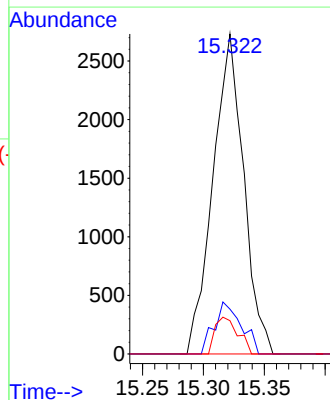
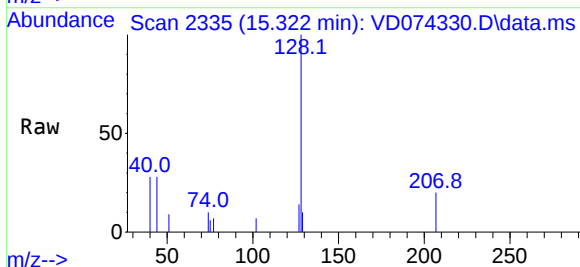
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

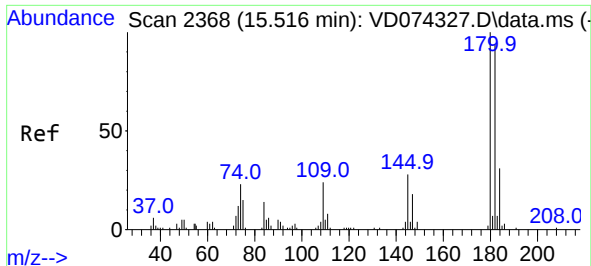
Tgt Ion:	225	Resp:	819
Ion	Ratio	Lower	Upper
225	100		
223	51.5	32.4	97.0
227	41.5	32.7	98.1



#95
Naphthalene
Concen: 1.796 ug/l
RT: 15.322 min Scan# 2335
Delta R.T. -0.000 min
Lab File: VD074330.D
Acq: 16 Sep 2022 14:53

Tgt Ion:	128	Resp:	4790
Ion	Ratio	Lower	Upper
128	100		
127	14.3	10.9	16.3
129	8.6	8.8	13.2





#96

1,2,3-Trichlorobenzene

Concen: 1.554 ug/l

RT: 15.510 min Scan# 21

Delta R.T. -0.006 min

Lab File: VD074330.D

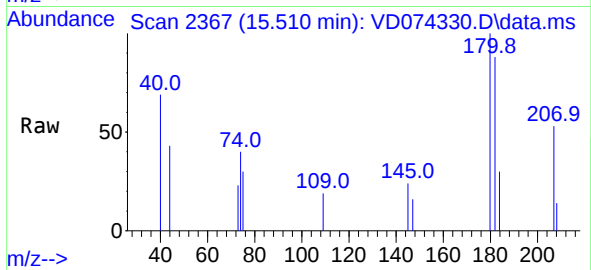
Acq: 16 Sep 2022 14:53

Instrument :

MSVOA_D

ClientSampleId :

VIBLK



Tgt Ion:180 Resp: 1921

Ion Ratio Lower Upper

180 100

182 96.8 47.5 142.5

145 22.8 15.8 47.3

