

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD081722\
 Data File : VD074134.D
 Acq On : 17 Aug 2022 19:59
 Operator : VA/SY
 Sample : N4215-05
 Misc : 5.70G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 WC-3

Quant Time: Aug 18 03:23:51 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D081522S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 16 01:41:25 2022
 Response via : Initial Calibration

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

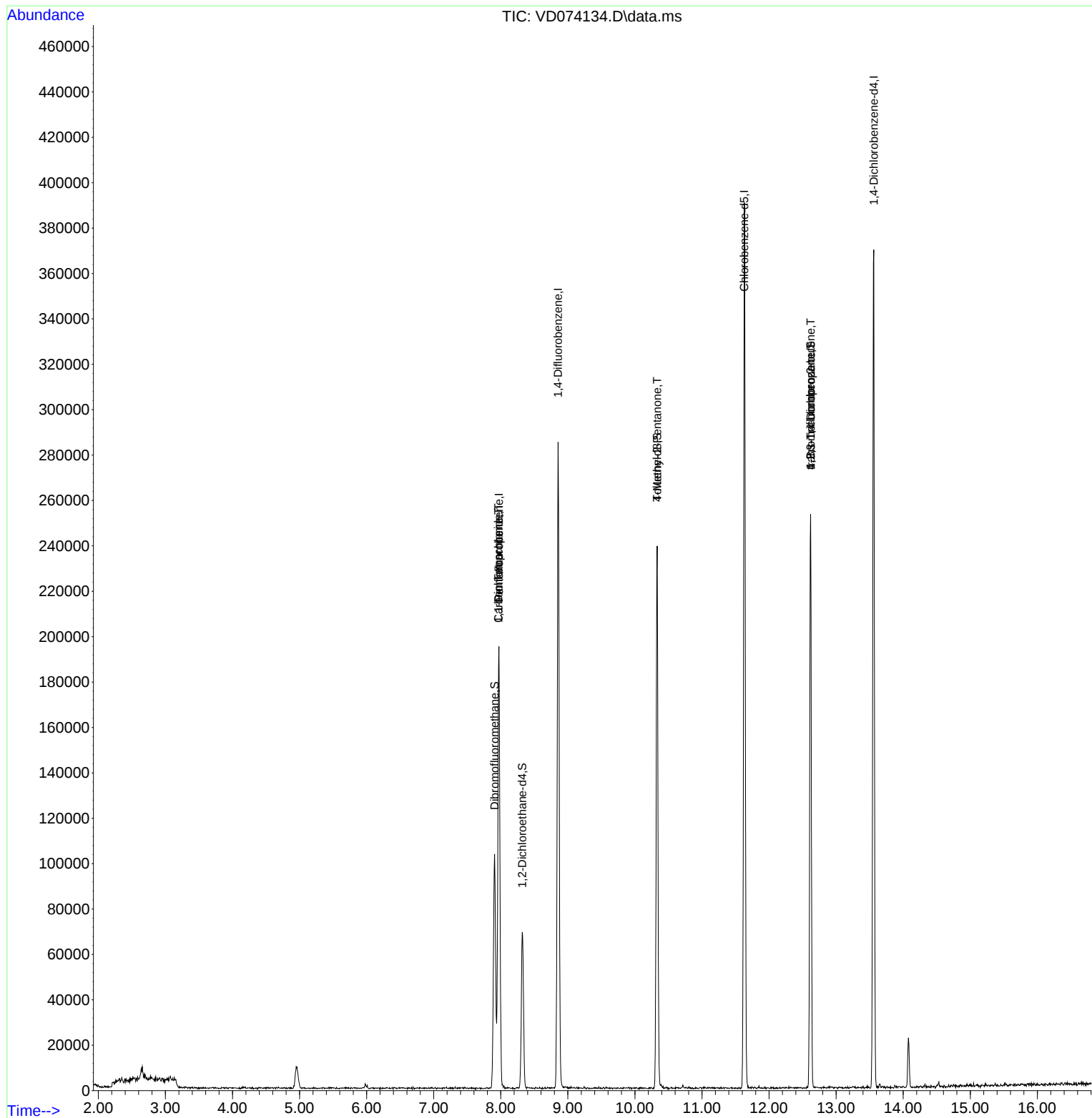
Internal Standards						
1) Pentafluorobenzene	7.973	168	136272	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	237363	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	222540	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	96143	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	55343	55.358	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 110.720%	
35) Dibromofluoromethane	7.908	113	69771	45.999	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 92.000%	
50) Toluene-d8	10.332	98	159754	34.690	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 69.380%	
62) 4-Bromofluorobenzene	12.620	95	77313	40.654	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 81.300%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.997	85	73	Below Cal	#	43
3) Chloromethane	2.209	50	131	Below Cal	#	40
6) Chloroethane	2.703	64	55	Below Cal	#	42
11) Tert butyl alcohol	5.226	59	55	Below Cal	#	74
16) Acetone	4.156	43	570	Below Cal	#	47
18) Methyl Acetate	4.738	43	57	Below Cal	#	55
20) Methylene Chloride	4.950	84	7365	Below Cal	#	71
31) Cyclohexane	7.973	56	3143	Below Cal	#	2
36) 1,1-Dichloropropene	7.967	75	10999	5.317	ug/l #	47
38) Carbon Tetrachloride	7.967	117	14959	6.266	ug/l #	17
51) 4-Methyl-2-Pentanone	10.332	43	786	1.020	ug/l #	1
76) 1,2,3-Trichloropropane	12.620	75	40106	46.814	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	40106	130.559	ug/l #	7

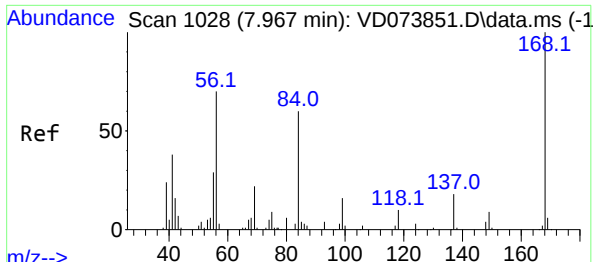
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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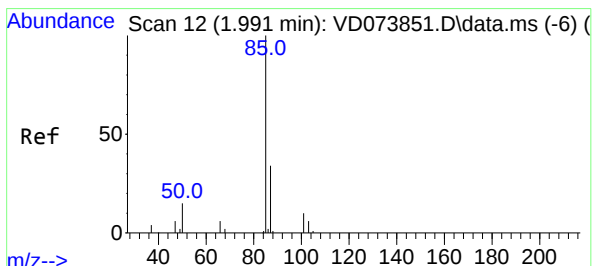
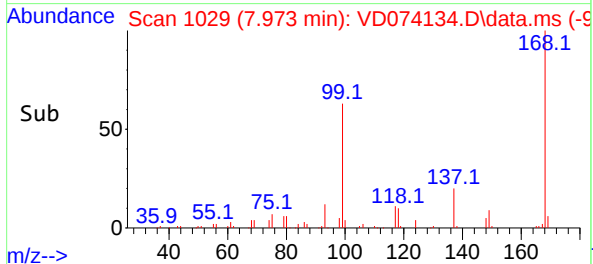
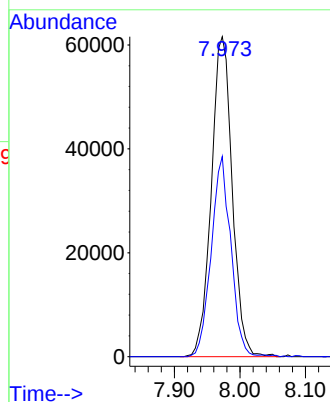
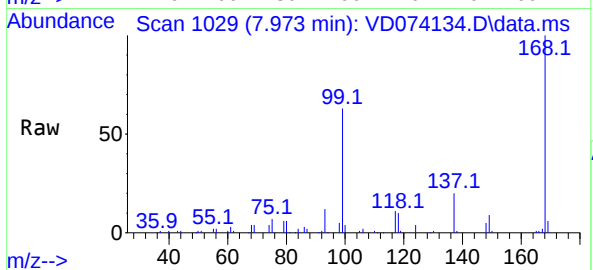




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 10
Delta R.T. 0.006 min
Lab File: VD074134.D
Acq: 17 Aug 2022 19:59

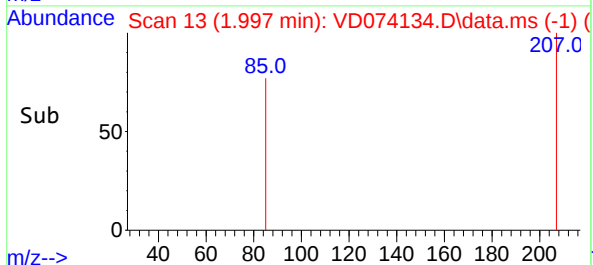
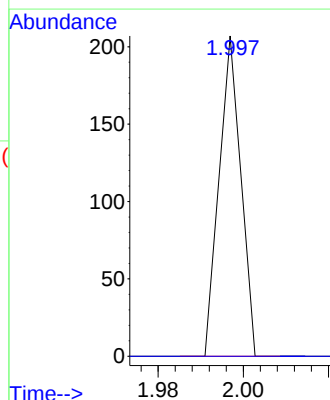
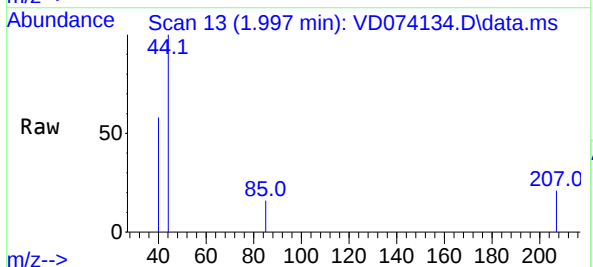
Instrument :
MSVOA_D
ClientSampleId :
WC-3

Tgt Ion:168 Resp: 136272
Ion Ratio Lower Upper
168 100
99 62.6 49.8 74.6

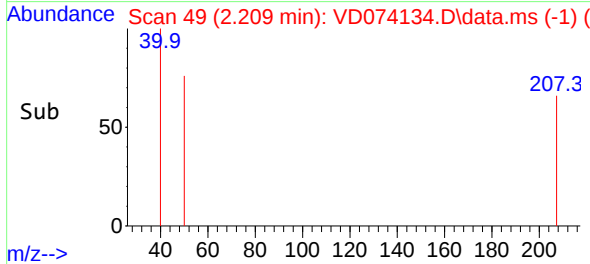
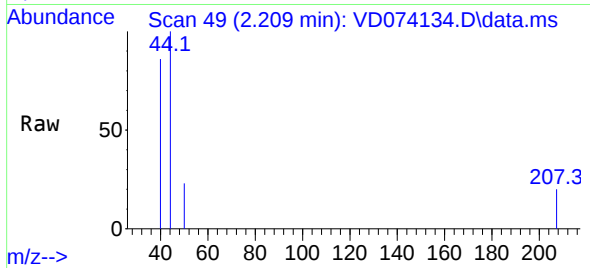
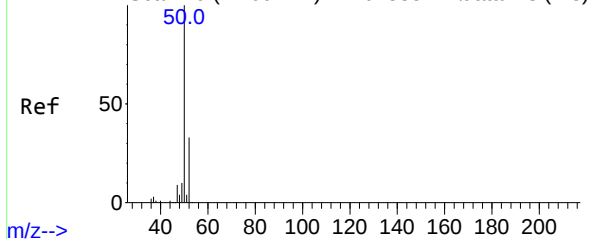


#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.997 min Scan# 13
Delta R.T. 0.006 min
Lab File: VD074134.D
Acq: 17 Aug 2022 19:59

Tgt Ion: 85 Resp: 73
Ion Ratio Lower Upper
85 100
87 0.0 15.7 47.0#



Abundance Scan 49 (2.209 min): VD073851.D\data.ms (-43)



#3

Chloromethane

Concen: Below Cal

RT: 2.209 min Scan# 49

Delta R.T. -0.000 min

Lab File: VD074134.D

Acq: 17 Aug 2022 19:59

Instrument :

MSVOA_D

ClientSampleId :

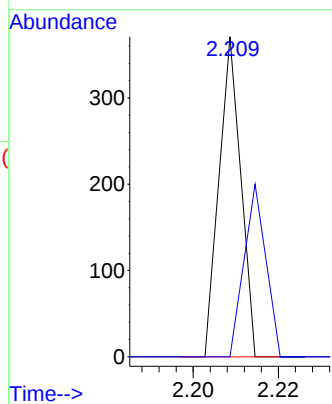
WC-3

Tgt Ion: 50 Resp: 131

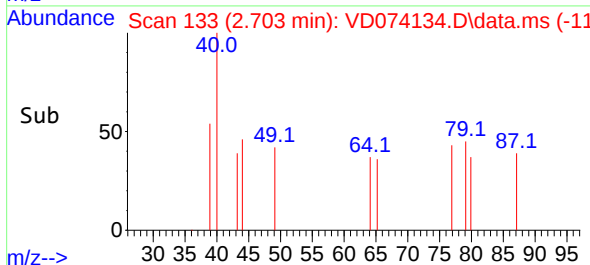
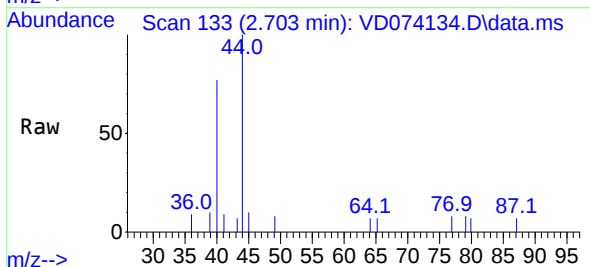
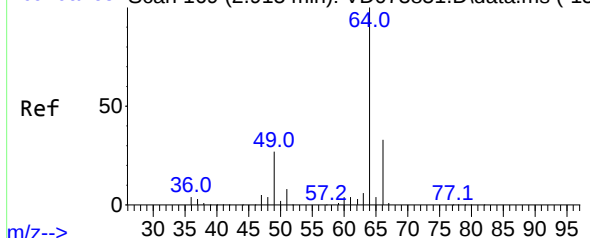
Ion Ratio Lower Upper

50 100

52 0.0 27.4 41.0#



Abundance Scan 169 (2.915 min): VD073851.D\data.ms (-15)



#6

Chloroethane

Concen: Below Cal

RT: 2.703 min Scan# 133

Delta R.T. -0.212 min

Lab File: VD074134.D

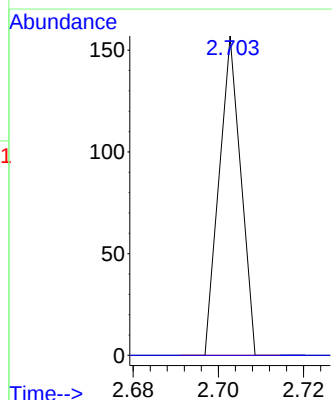
Acq: 17 Aug 2022 19:59

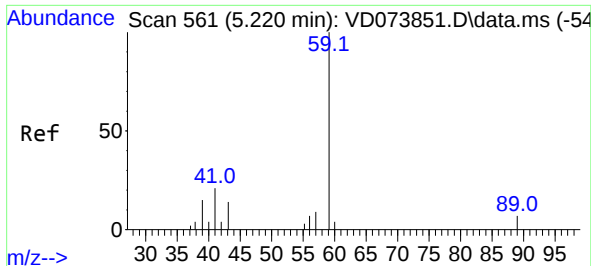
Tgt Ion: 64 Resp: 55

Ion Ratio Lower Upper

64 100

66 0.0 25.9 38.9#

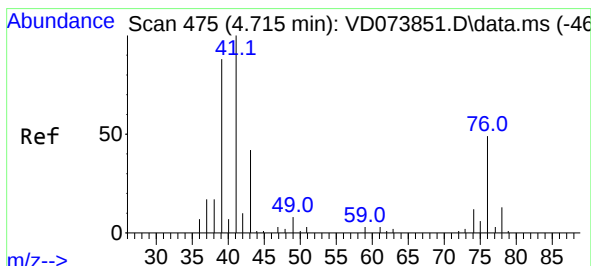
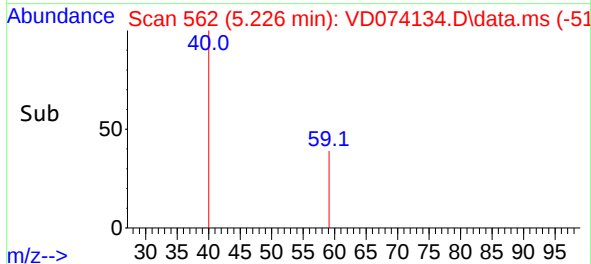
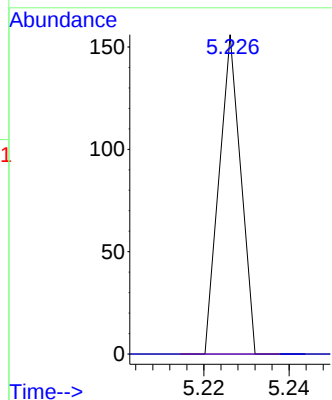
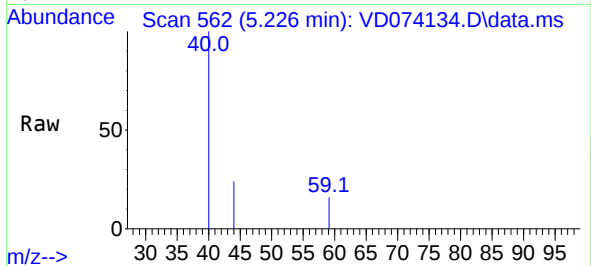




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.226 min Scan# 50
Delta R.T. 0.006 min
Lab File: VD074134.D
Acq: 17 Aug 2022 19:59

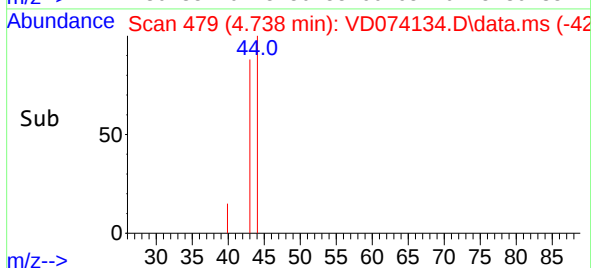
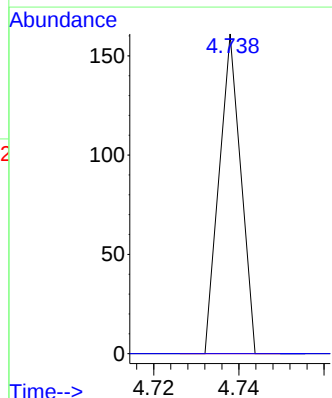
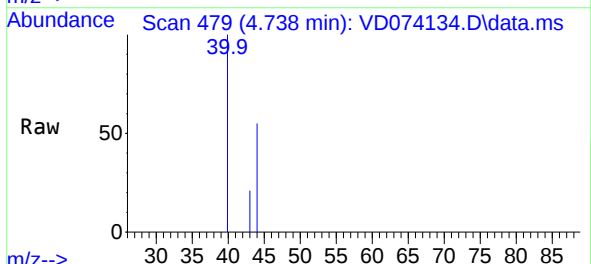
Instrument :
MSVOA_D
ClientSampleId :
WC-3

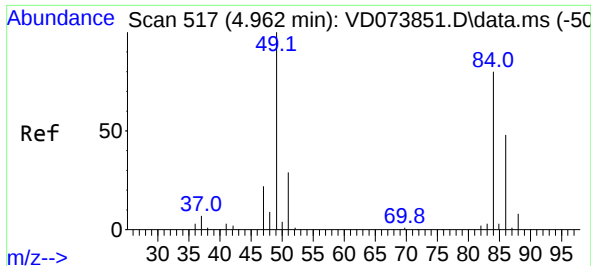
Tgt Ion: 59 Resp: 55
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.738 min Scan# 479
Delta R.T. 0.023 min
Lab File: VD074134.D
Acq: 17 Aug 2022 19:59

Tgt Ion: 43 Resp: 57
Ion Ratio Lower Upper
43 100
74 0.0 16.7 25.1#



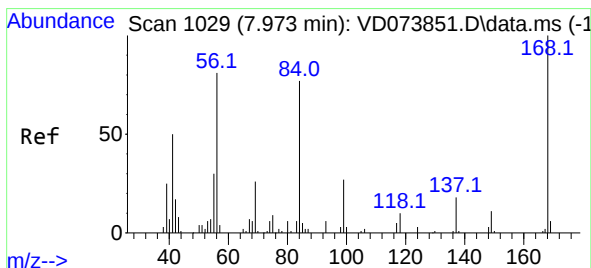
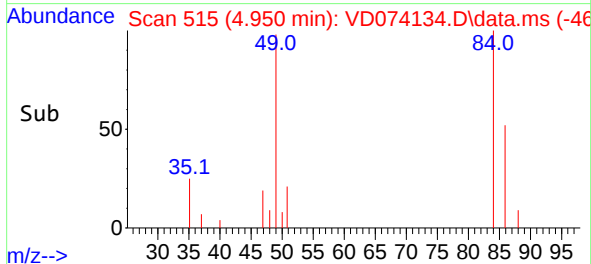
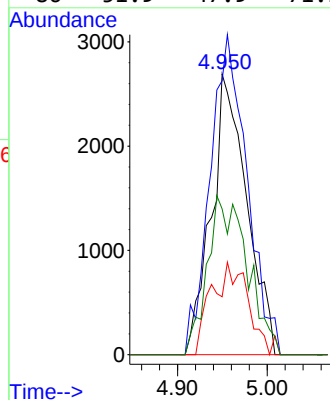
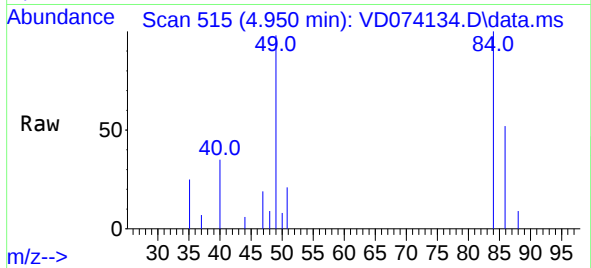


#20
Methylene Chloride
Concen: Below Cal
RT: 4.950 min Scan# 517
Delta R.T. -0.012 min
Lab File: VD074134.D
Acq: 17 Aug 2022 19:59

Instrument :
MSVOA_D
ClientSampleId :
WC-3

Tgt Ion: 84 Resp: 7365

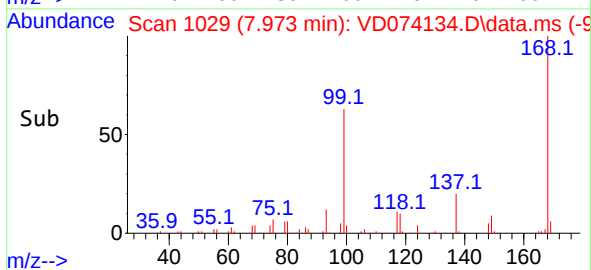
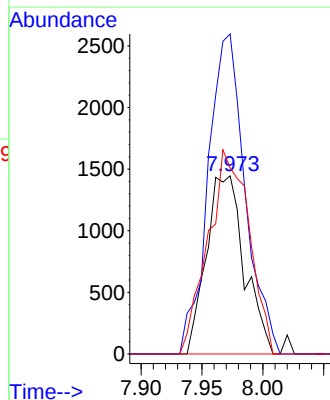
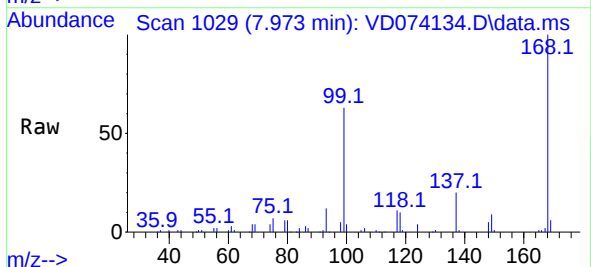
Ion	Ratio	Lower	Upper
84	100		
49	97.6	112.8	169.2#
51	20.7	32.6	48.8#
86	51.9	47.9	71.9

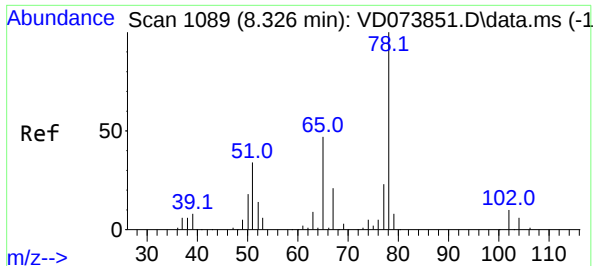


#31
Cyclohexane
Concen: Below Cal
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD074134.D
Acq: 17 Aug 2022 19:59

Tgt Ion: 56 Resp: 3143

Ion	Ratio	Lower	Upper
56	100		
69	179.7	25.4	38.2#
84	104.6	63.0	94.4#

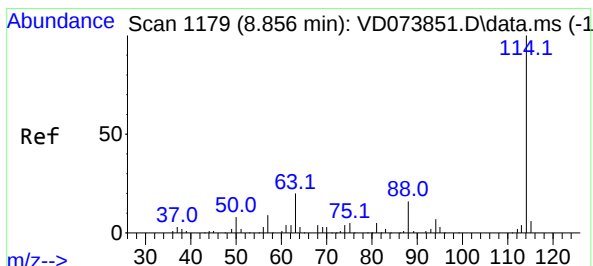
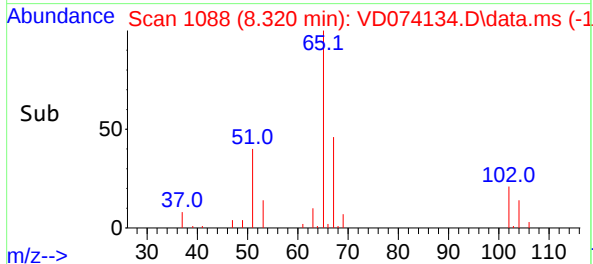
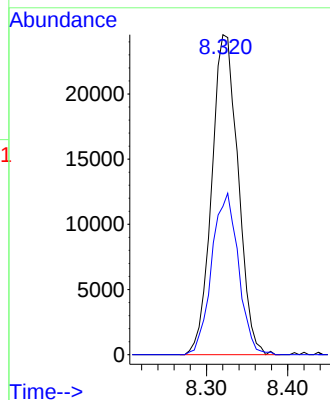
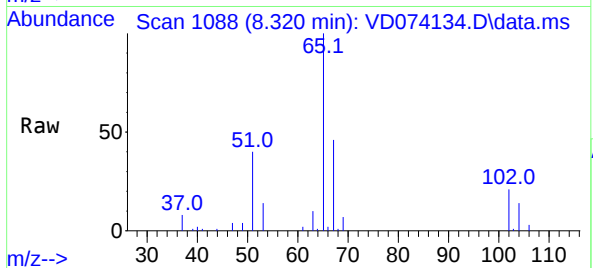




#33
1,2-Dichloroethane-d4
Concen: 55.358 ug/l
RT: 8.320 min Scan# 1089
Delta R.T. -0.006 min
Lab File: VD074134.D
Acq: 17 Aug 2022 19:59

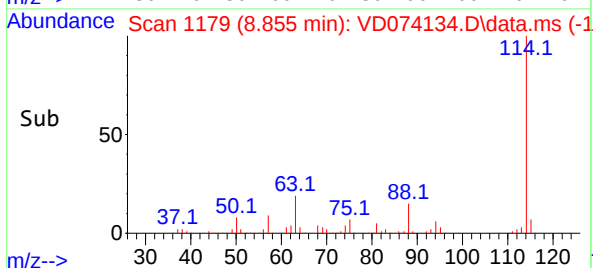
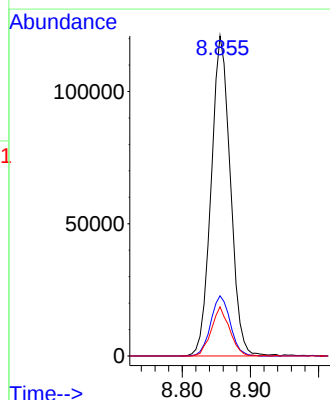
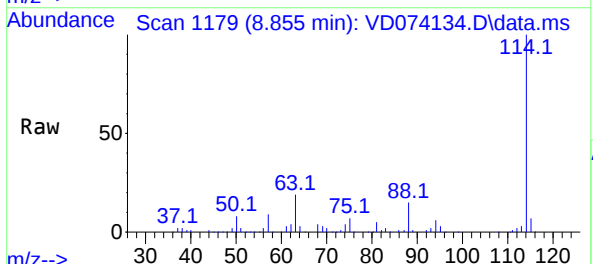
Instrument :
MSVOA_D
ClientSampleId :
WC-3

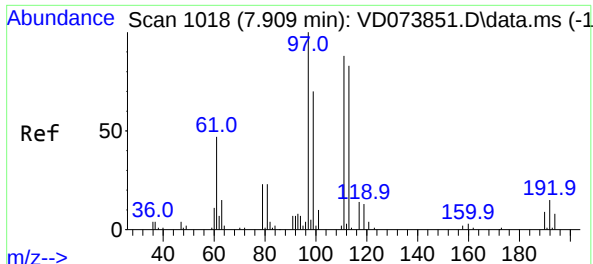
Tgt Ion: 65 Resp: 55343
Ion Ratio Lower Upper
65 100
67 51.0 0.0 101.4



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.855 min Scan# 1179
Delta R.T. -0.000 min
Lab File: VD074134.D
Acq: 17 Aug 2022 19:59

Tgt Ion: 114 Resp: 237363
Ion Ratio Lower Upper
114 100
63 18.8 0.0 46.6
88 15.4 0.0 33.2

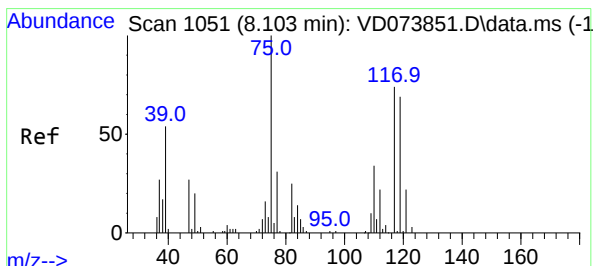
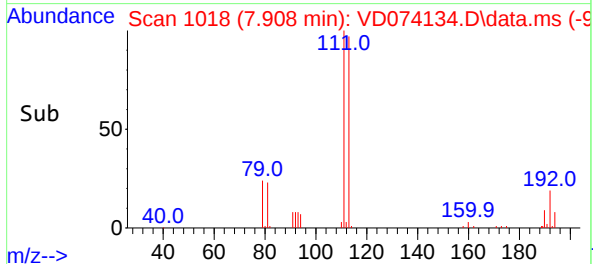
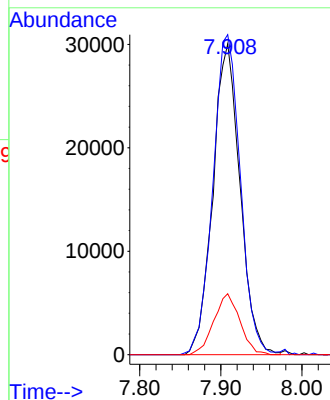
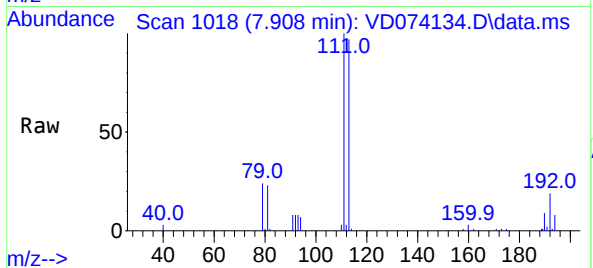




#35
Dibromofluoromethane
Concen: 45.999 ug/l
RT: 7.908 min Scan# 1018
Delta R.T. -0.001 min
Lab File: VD074134.D
Acq: 17 Aug 2022 19:59

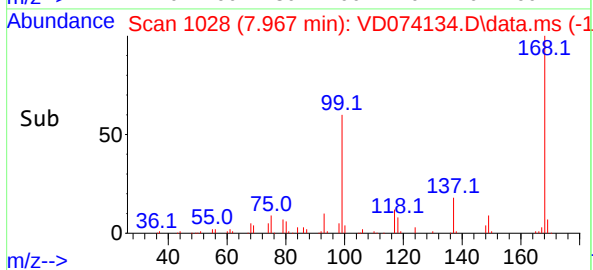
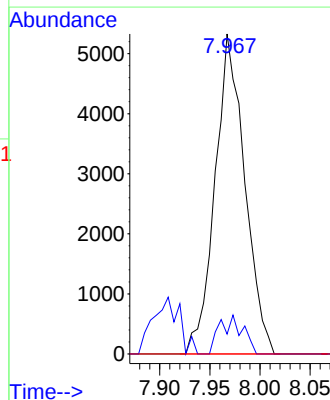
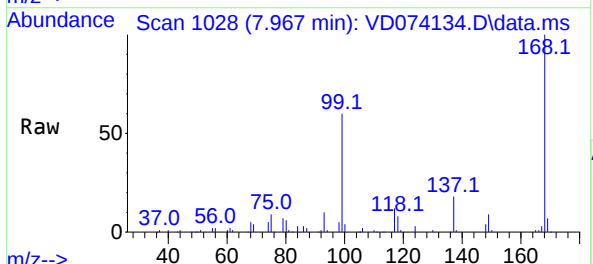
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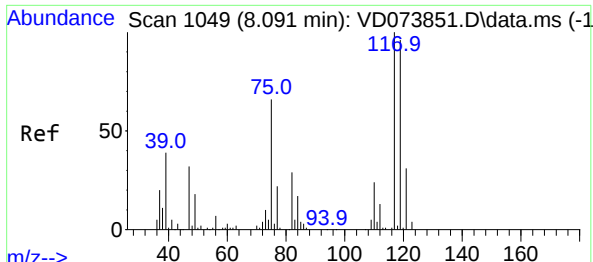
Tgt Ion:	113	Resp:	69771
Ion	Ratio	Lower	Upper
113	100		
111	104.0	83.8	125.6
192	18.9	14.6	21.8



#36
1,1-Dichloropropene
Concen: 5.317 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.136 min
Lab File: VD074134.D
Acq: 17 Aug 2022 19:59

Tgt Ion:	75	Resp:	10999
Ion	Ratio	Lower	Upper
75	100		
110	4.1	16.4	49.1#
77	0.0	24.2	36.2#

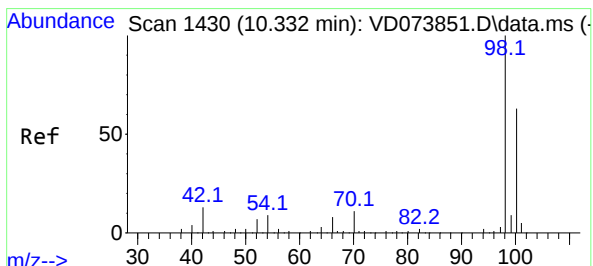
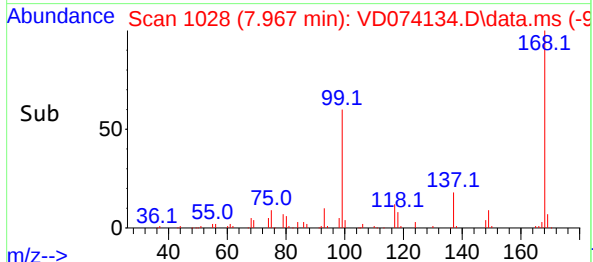
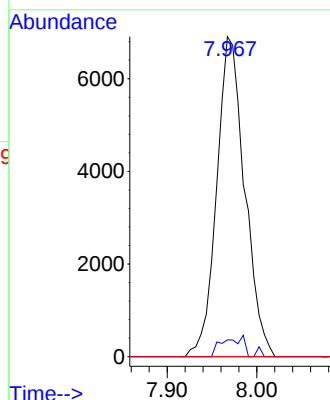
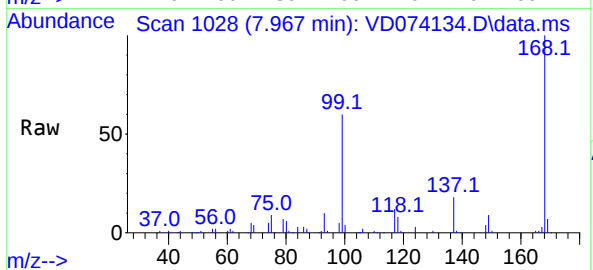




#38
Carbon Tetrachloride
Concen: 6.266 ug/l
RT: 7.967 min Scan# 1049
Delta R.T. -0.124 min
Lab File: VD074134.D
Acq: 17 Aug 2022 19:59

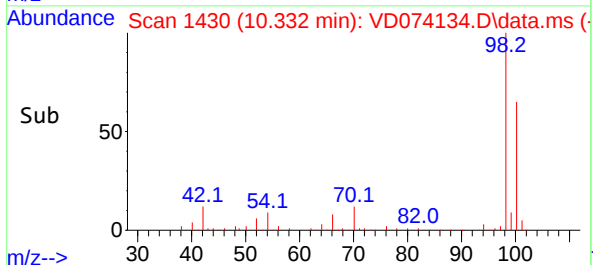
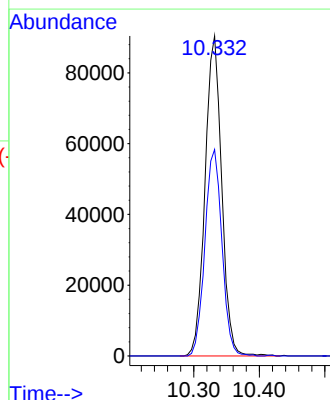
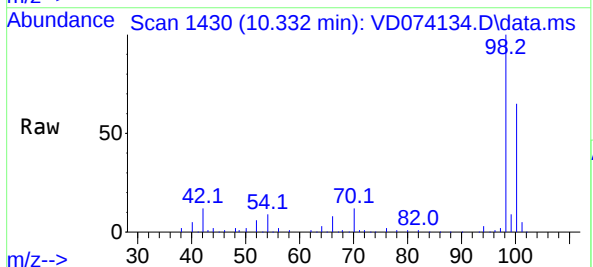
Instrument :
MSVOA_D
ClientSampleId :
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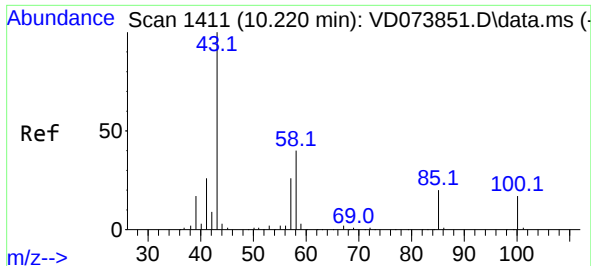
Tgt Ion:117 Resp: 14959
Ion Ratio Lower Upper
117 100
119 5.3 75.8 113.6#
121 0.0 24.5 36.7#



#50
Toluene-d8
Concen: 34.690 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD074134.D
Acq: 17 Aug 2022 19:59

Tgt Ion: 98 Resp: 159754
Ion Ratio Lower Upper
98 100
100 65.9 52.4 78.6





#51

4-Methyl-2-Pentanone

Concen: 1.020 ug/l

RT: 10.332 min Scan# 1411

Delta R.T. 0.112 min

Lab File: VD074134.D

Acq: 17 Aug 2022 19:59

Instrument :

MSVOA_D

ClientSampleId :

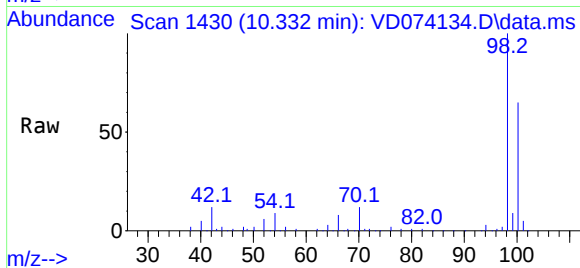
WC-3

Tgt Ion: 43 Resp: 786

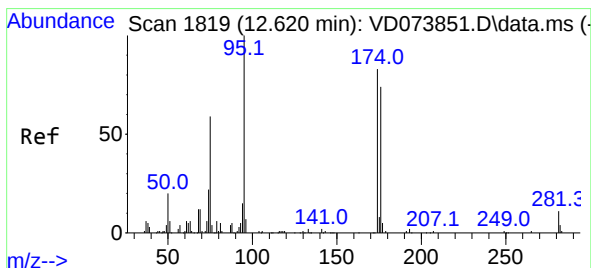
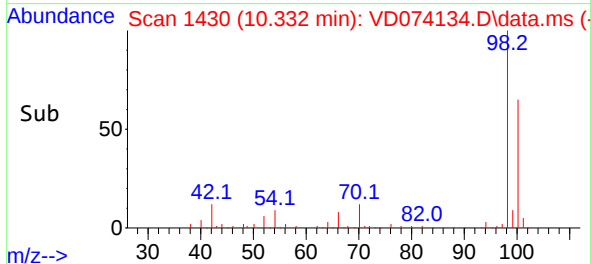
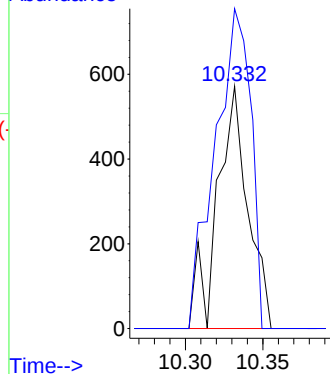
Ion Ratio Lower Upper

43 100

58 154.1 28.6 43.0#



Abundance



#62

4-Bromofluorobenzene

Concen: 40.654 ug/l

RT: 12.620 min Scan# 1819

Delta R.T. -0.000 min

Lab File: VD074134.D

Acq: 17 Aug 2022 19:59

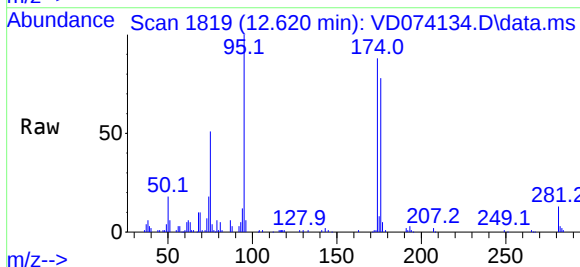
Tgt Ion: 95 Resp: 77313

Ion Ratio Lower Upper

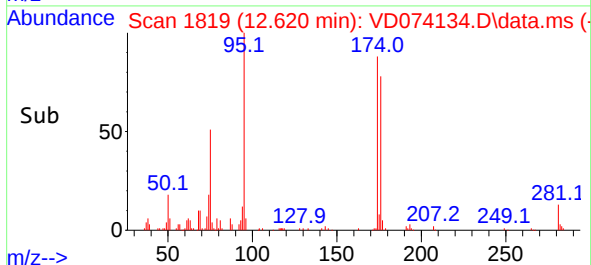
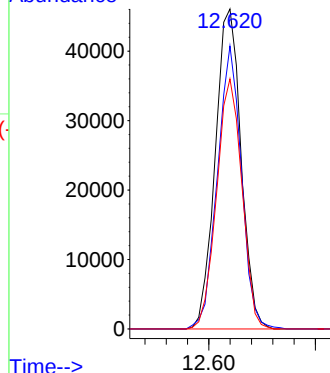
95 100

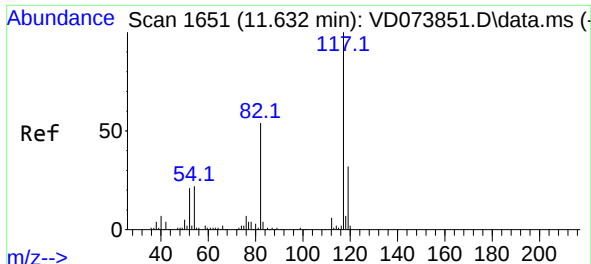
174 82.5 0.0 152.8

176 76.6 0.0 145.4



Abundance

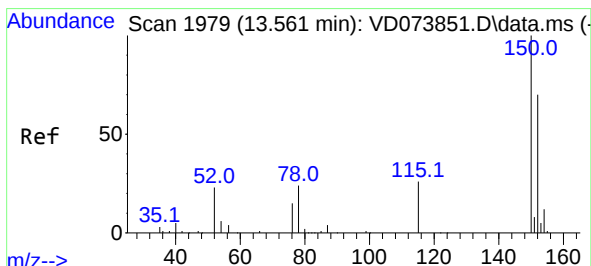
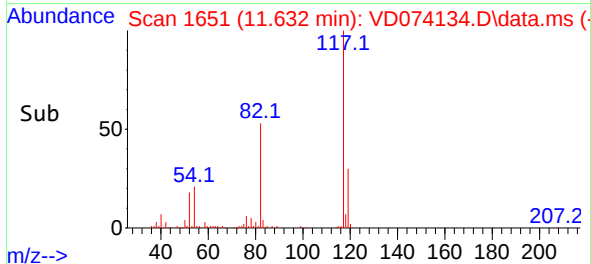
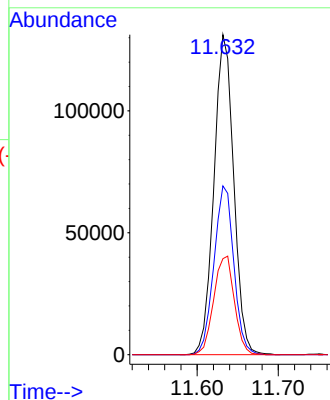
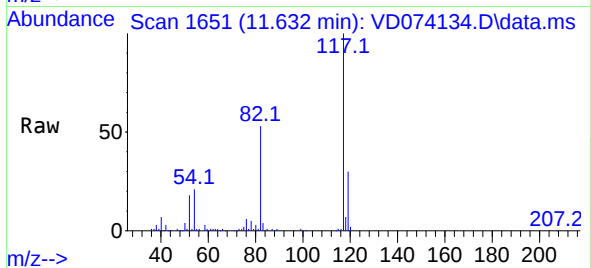




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 1651
Delta R.T. -0.000 min
Lab File: VD074134.D
Acq: 17 Aug 2022 19:59

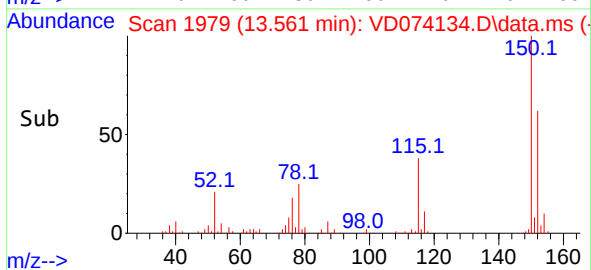
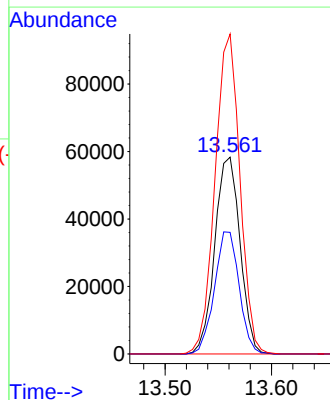
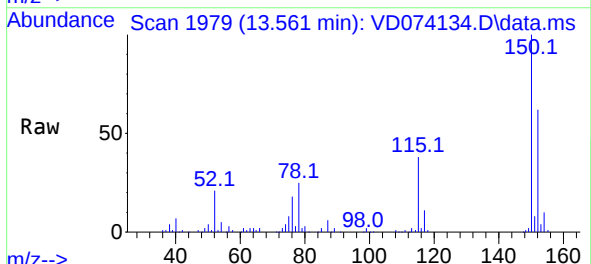
Instrument :
MSVOA_D
ClientSampleId :
WC-3

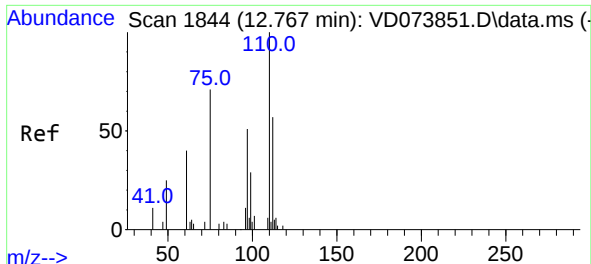
Tgt Ion:117 Resp: 222540
Ion Ratio Lower Upper
117 100
82 52.8 45.3 67.9
119 30.0 26.6 40.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. -0.000 min
Lab File: VD074134.D
Acq: 17 Aug 2022 19:59

Tgt Ion:152 Resp: 96143
Ion Ratio Lower Upper
152 100
115 60.6 31.3 93.8
150 159.8 0.0 348.6

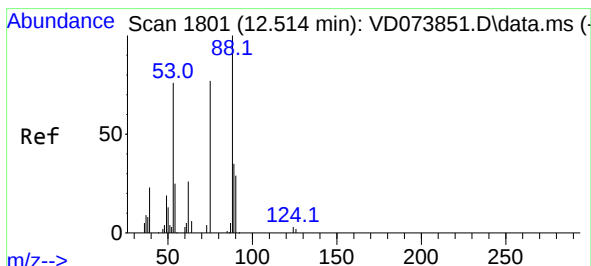
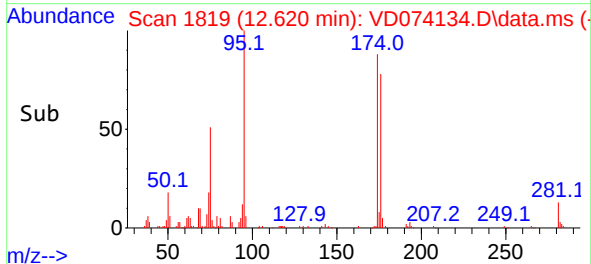
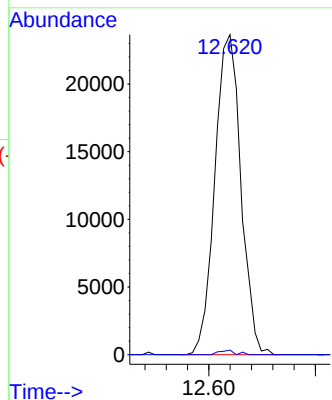
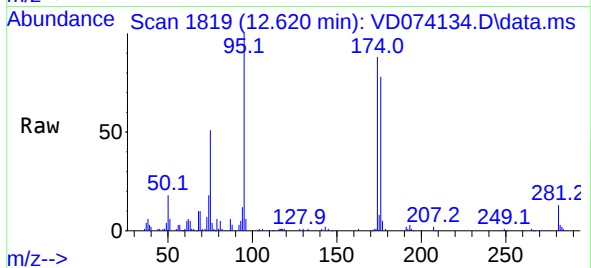




#76
1,2,3-Trichloropropane
Concen: 46.814 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.147 min
Lab File: VD074134.D
Acq: 17 Aug 2022 19:59

Instrument :
MSVOA_D
ClientSampleId :
WC-3

Tgt Ion: 75 Resp: 40106
Ion Ratio Lower Upper
75 100
77 0.9 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 130.559 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD074134.D
Acq: 17 Aug 2022 19:59

Tgt Ion: 75 Resp: 40106
Ion Ratio Lower Upper
75 100
53 0.0 86.5 129.7#
89 0.1 33.9 50.9#

