

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD081722\
 Data File : VD074124.D
 Acq On : 17 Aug 2022 15:11
 Operator : VA/SY
 Sample : N4188-22
 Misc : 8.86G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 S11

Quant Time: Aug 18 03:20:27 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)

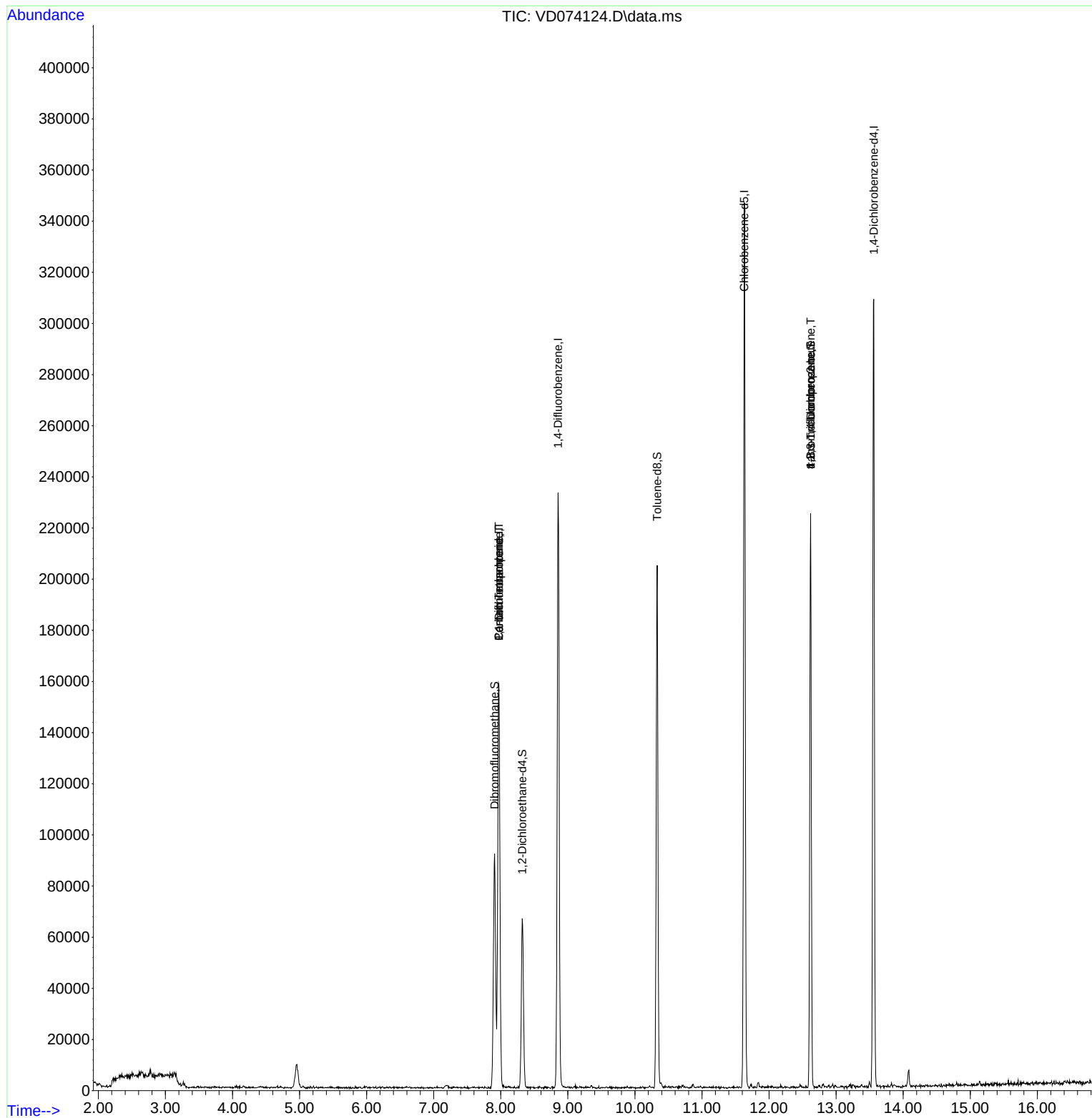
Internal Standards						
1) Pentafluorobenzene	7.973	168	114384	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	202990	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	192775	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	82945	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	53023	64.448	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 128.900%	
35) Dibromofluoromethane	7.908	113	63506	48.958	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 97.920%	
50) Toluene-d8	10.332	98	136522	34.665	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 69.320%	
62) 4-Bromofluorobenzene	12.620	95	66652	40.983	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 81.960%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.991	85	215	Below Cal	#	1
3) Chloromethane	2.203	50	594	Below Cal	#	40
6) Chloroethane	2.909	64	89	Below Cal	#	42
7) Trichlorofluoromethane	3.267	101	446	Below Cal	#	75
9) 1,1,2-Trichlorotrifluo...	4.097	101	139	Below Cal	#	20
11) Tert butyl alcohol	5.238	59	53	Below Cal	#	74
16) Acetone	4.161	43	707	Below Cal	#	47
17) Carbon Disulfide	4.420	76	316	Below Cal	#	74
18) Methyl Acetate	4.714	43	144	Below Cal	#	55
20) Methylene Chloride	4.950	84	7401	Below Cal	#	80
31) Cyclohexane	7.967	56	2696	Below Cal	#	46
36) 1,1-Dichloropropene	7.973	75	9875	5.582	ug/l #	52
38) Carbon Tetrachloride	7.973	117	12822	6.280	ug/l #	19
76) 1,2,3-Trichloropropane	12.620	75	35300	47.760	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	35300	133.198	ug/l #	7

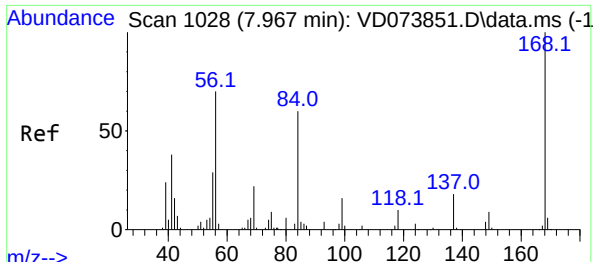
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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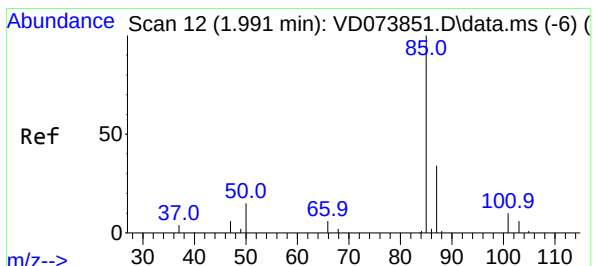
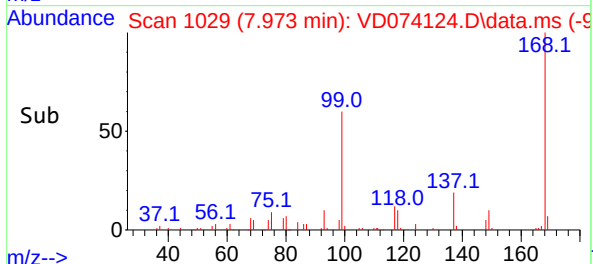
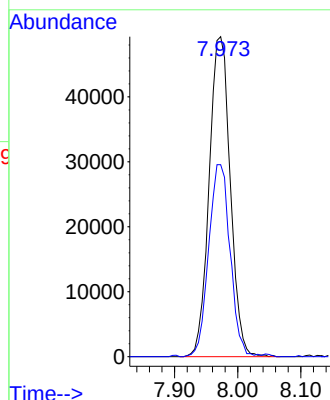
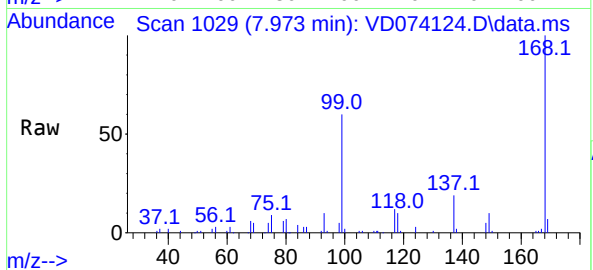




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 10
Delta R.T. 0.006 min
Lab File: VD074124.D
Acq: 17 Aug 2022 15:11

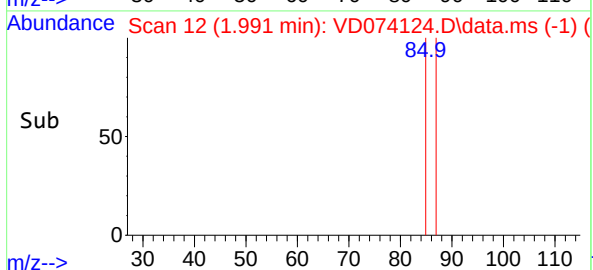
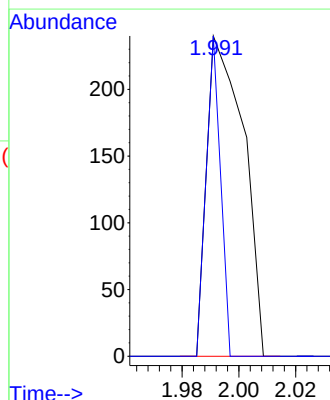
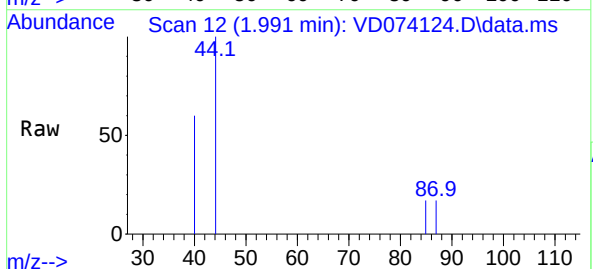
Instrument :
MSVOA_D
ClientSampleId :
S11

Tgt Ion:168 Resp: 114384
Ion Ratio Lower Upper
168 100
99 60.0 49.8 74.6

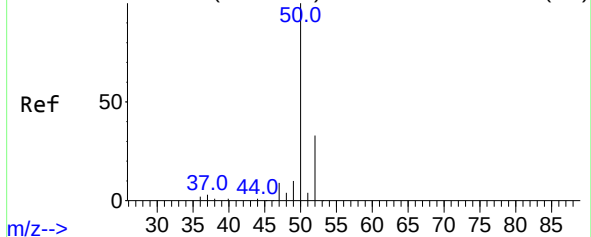


#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.991 min Scan# 12
Delta R.T. 0.000 min
Lab File: VD074124.D
Acq: 17 Aug 2022 15:11

Tgt Ion: 85 Resp: 215
Ion Ratio Lower Upper
85 100
87 100.0 15.7 47.0#



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



#3

Chloromethane

Concen: Below Cal

RT: 2.203 min Scan# 41

Delta R.T. -0.006 min

Lab File: VD074124.D

Acq: 17 Aug 2022 15:11

Instrument :

MSVOA_D

ClientSampleId :

S11

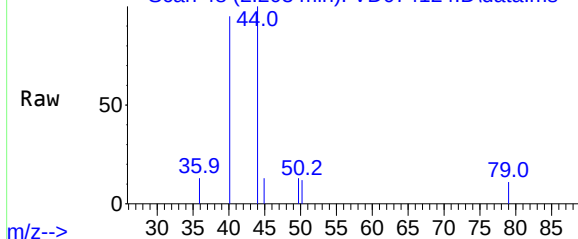
Tgt Ion: 50 Resp: 594

Ion Ratio Lower Upper

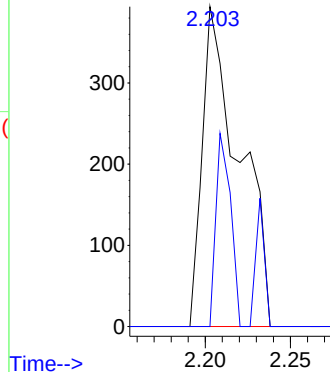
50 100

52 0.0 27.4 41.0#

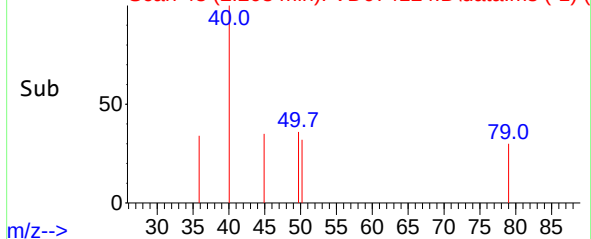
Abundance Scan 48 (2.203 min): VD074124.D\data.ms



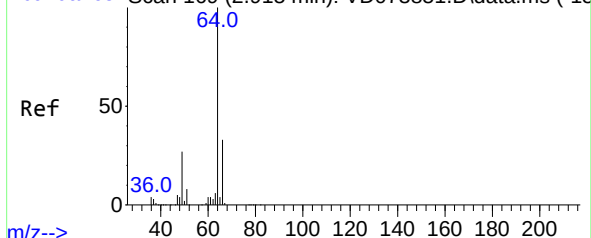
Abundance



Abundance Scan 48 (2.203 min): VD074124.D\data.ms (-1)



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



#6

Chloroethane

Concen: Below Cal

RT: 2.909 min Scan# 168

Delta R.T. -0.006 min

Lab File: VD074124.D

Acq: 17 Aug 2022 15:11

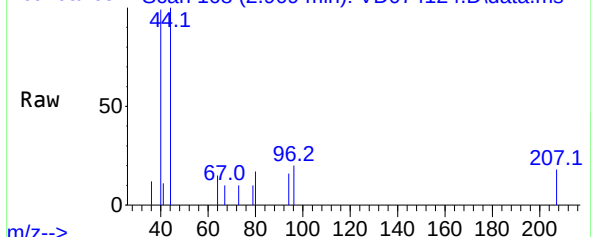
Tgt Ion: 64 Resp: 89

Ion Ratio Lower Upper

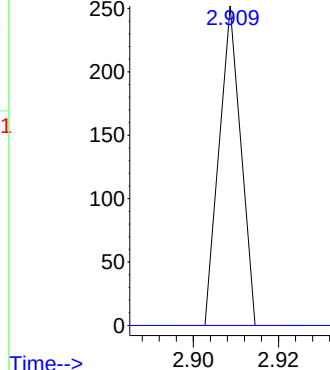
64 100

66 0.0 25.9 38.9#

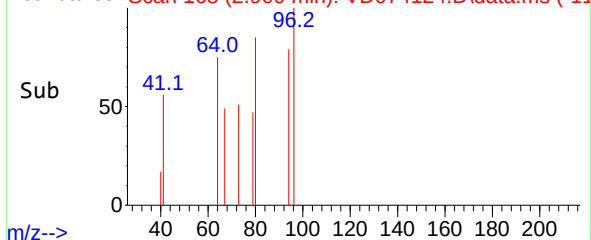
Abundance Scan 168 (2.909 min): VD074124.D\data.ms

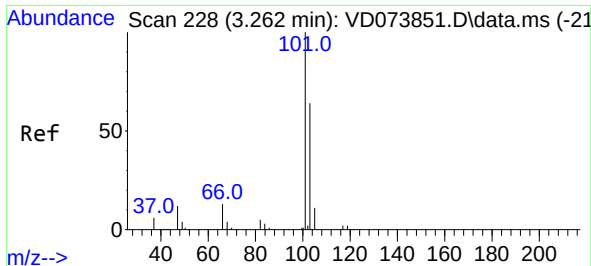


Abundance



Abundance Scan 168 (2.909 min): VD074124.D\data.ms (-11)

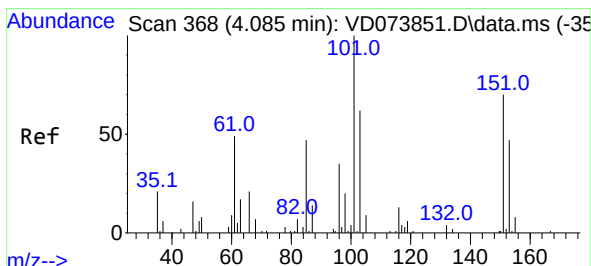
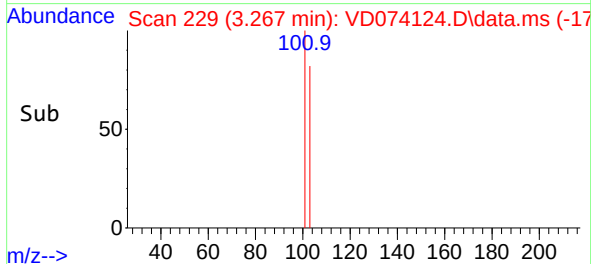
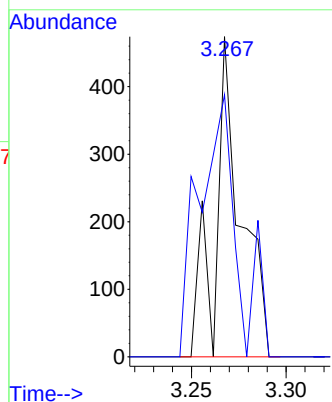
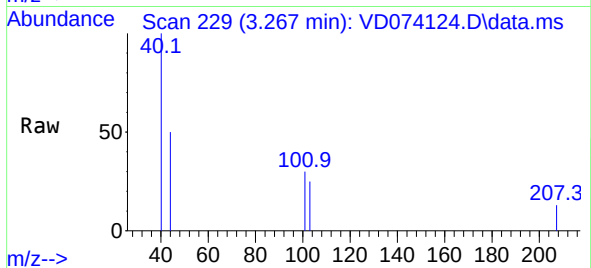




#7
Trichlorofluoromethane
Concen: Below Cal
RT: 3.267 min Scan# 21
Delta R.T. 0.005 min
Lab File: VD074124.D
Acq: 17 Aug 2022 15:11

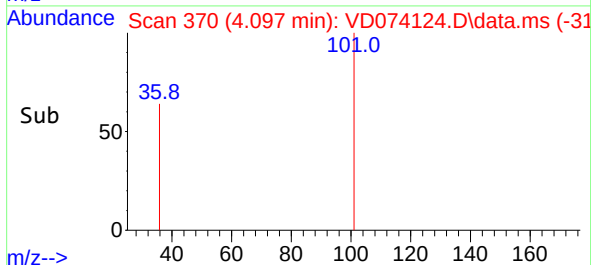
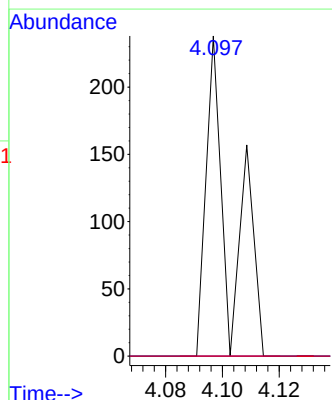
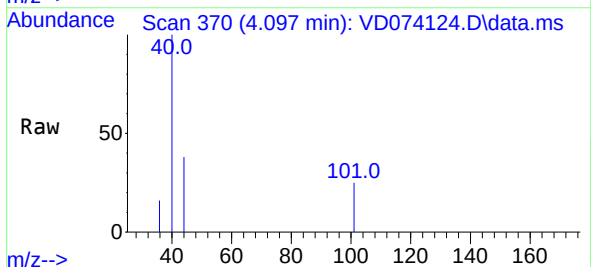
Instrument :
MSVOA_D
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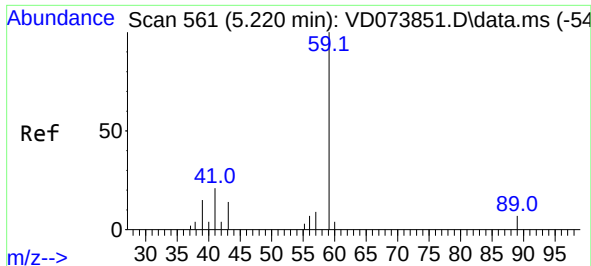
Tgt Ion:101 Resp: 446
Ion Ratio Lower Upper
101 100
103 81.9 50.1 75.1#



#9
1,1,2-Trichlorotrifluoroethane
Concen: Below Cal
RT: 4.097 min Scan# 370
Delta R.T. 0.012 min
Lab File: VD074124.D
Acq: 17 Aug 2022 15:11

Tgt Ion:101 Resp: 139
Ion Ratio Lower Upper
101 100
85 0.0 36.4 54.6#
151 0.0 57.3 85.9#

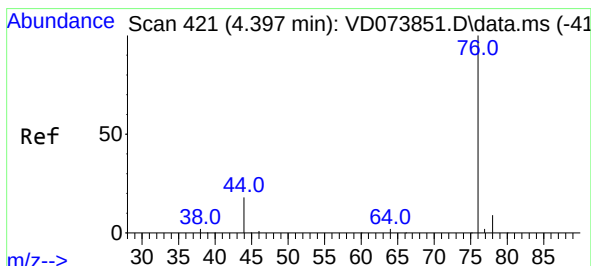
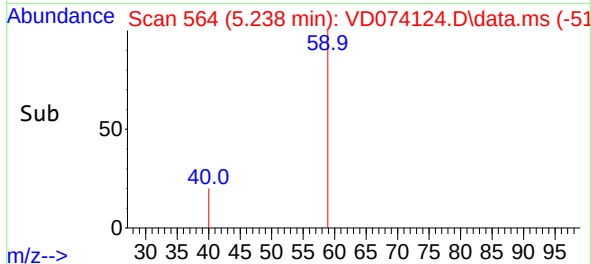
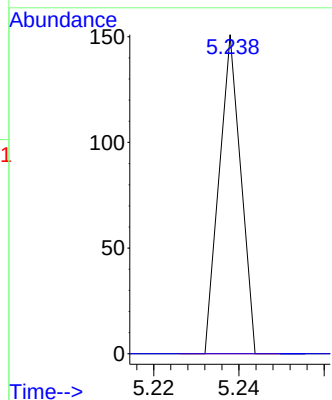
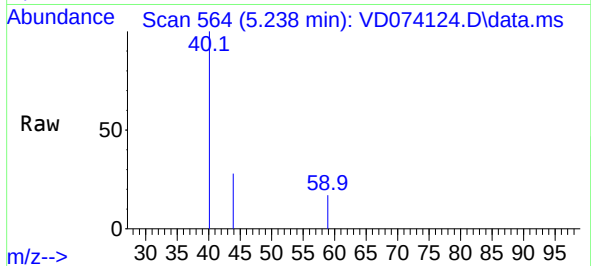




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.238 min Scan# 50
Delta R.T. 0.018 min
Lab File: VD074124.D
Acq: 17 Aug 2022 15:11

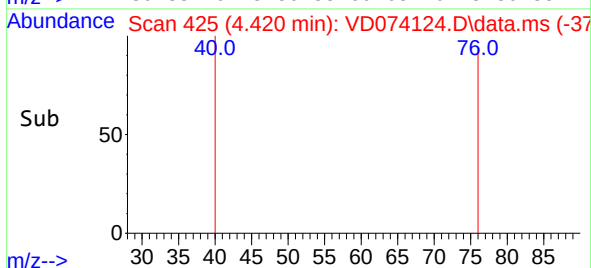
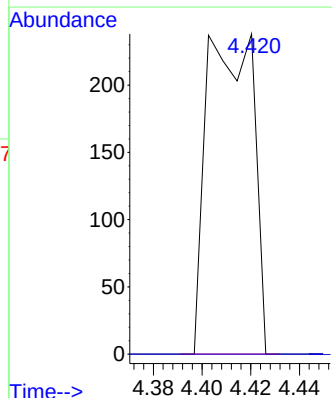
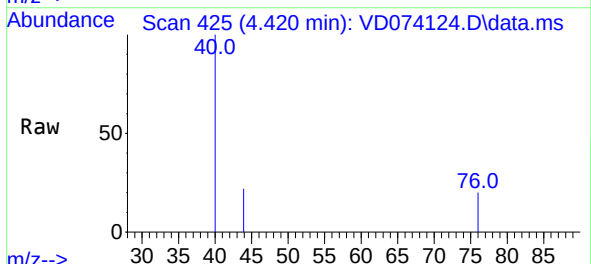
Instrument :
MSVOA_D
ClientSampleId :
S11

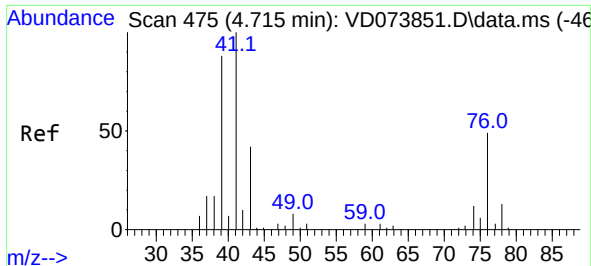
Tgt Ion: 59 Resp: 53
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#



#17
Carbon Disulfide
Concen: Below Cal
RT: 4.420 min Scan# 425
Delta R.T. 0.023 min
Lab File: VD074124.D
Acq: 17 Aug 2022 15:11

Tgt Ion: 76 Resp: 316
Ion Ratio Lower Upper
76 100
78 0.0 7.5 11.3#

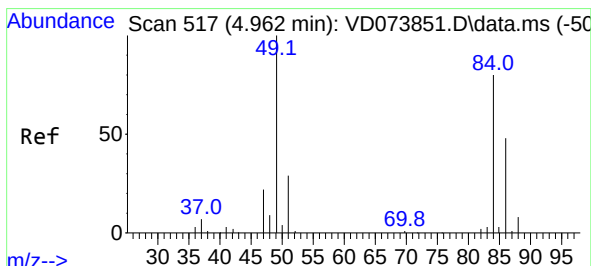
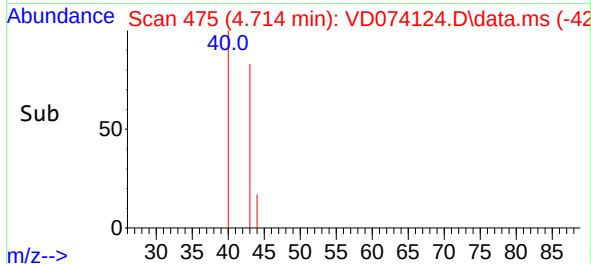
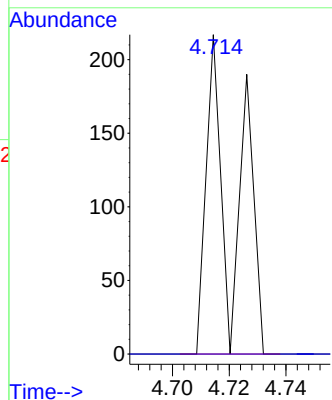
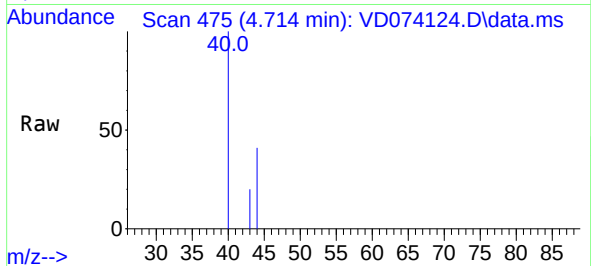




#18
Methyl Acetate
Concen: Below Cal
RT: 4.714 min Scan# 41
Delta R.T. -0.001 min
Lab File: VD074124.D
Acq: 17 Aug 2022 15:11

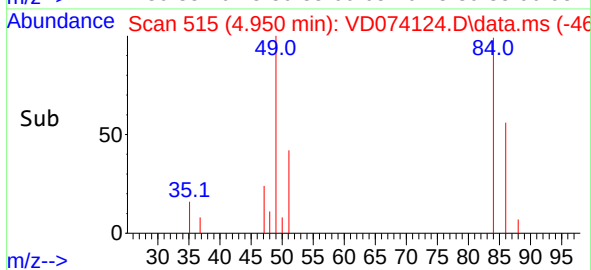
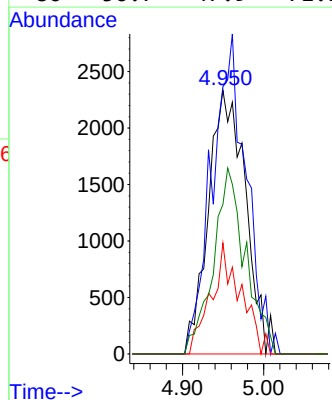
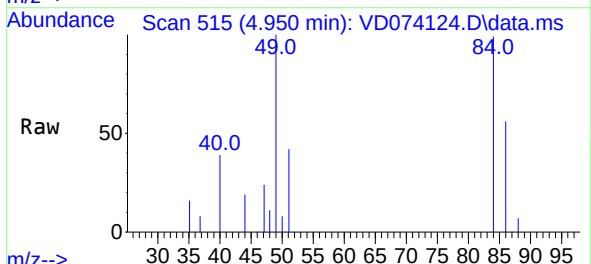
Instrument :
MSVOA_D
ClientSampleId :
S11

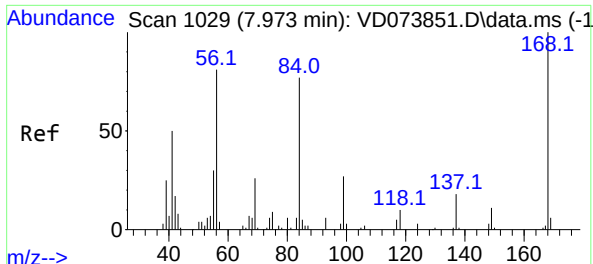
Tgt Ion: 43 Resp: 144
Ion Ratio Lower Upper
43 100
74 0.0 16.7 25.1#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.950 min Scan# 515
Delta R.T. -0.012 min
Lab File: VD074124.D
Acq: 17 Aug 2022 15:11

Tgt Ion: 84 Resp: 7401
Ion Ratio Lower Upper
84 100
49 101.3 112.8 169.2#
51 42.1 32.6 48.8
86 56.7 47.9 71.9

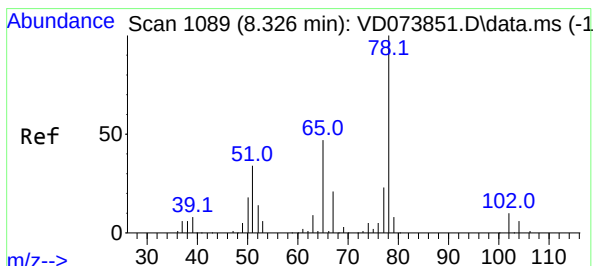
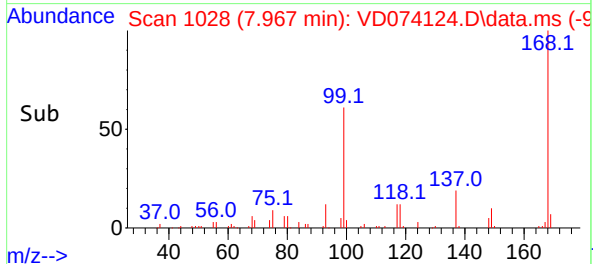
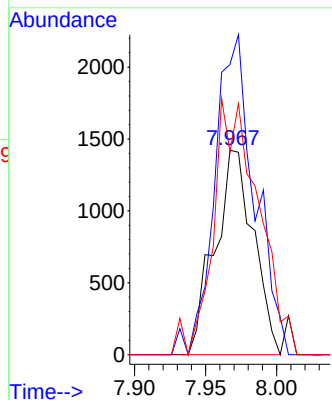
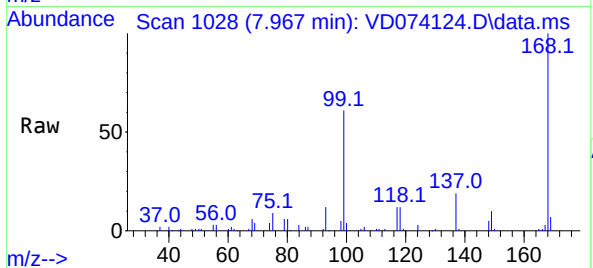




#31
Cyclohexane
Concen: Below Cal
RT: 7.967 min Scan# 1028
Delta R.T. -0.006 min
Lab File: VD074124.D
Acq: 17 Aug 2022 15:11

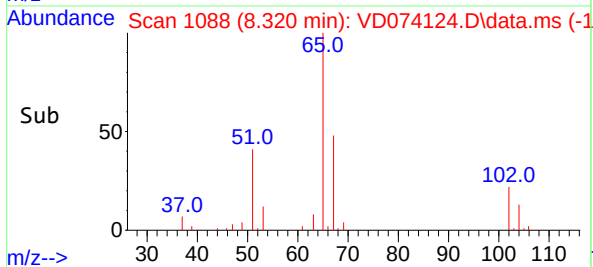
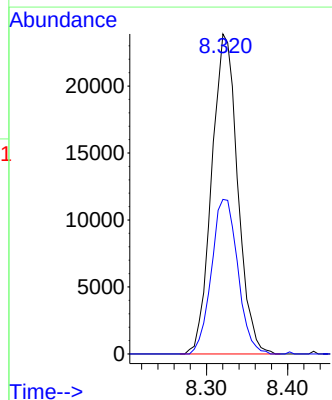
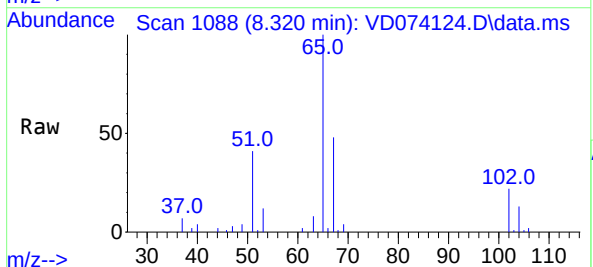
Instrument :
MSVOA_D
ClientSampleId :
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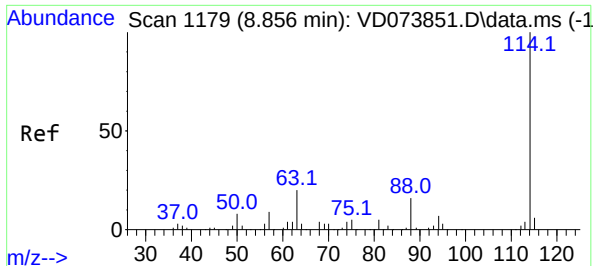
Tgt Ion: 56 Resp: 2696
Ion Ratio Lower Upper
56 100
69 129.3 25.4 38.2#
84 83.1 63.0 94.4



#33
1,2-Dichloroethane-d4
Concen: 64.448 ug/l
RT: 8.320 min Scan# 1088
Delta R.T. -0.006 min
Lab File: VD074124.D
Acq: 17 Aug 2022 15:11

Tgt Ion: 65 Resp: 53023
Ion Ratio Lower Upper
65 100
67 49.0 0.0 101.4

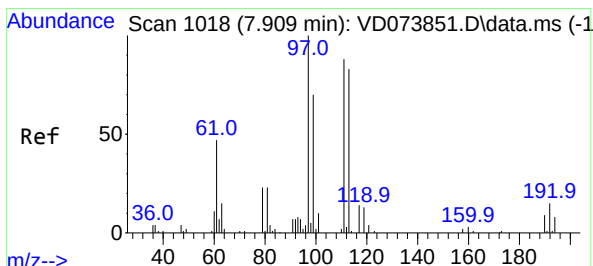
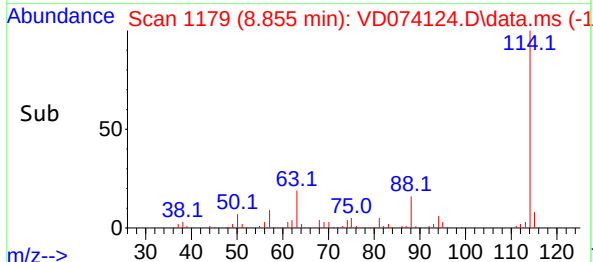
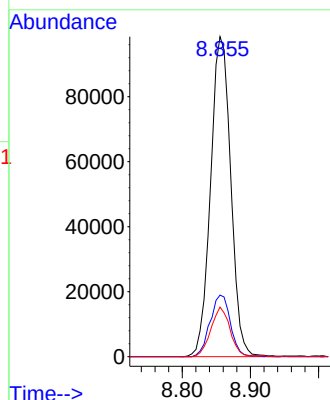
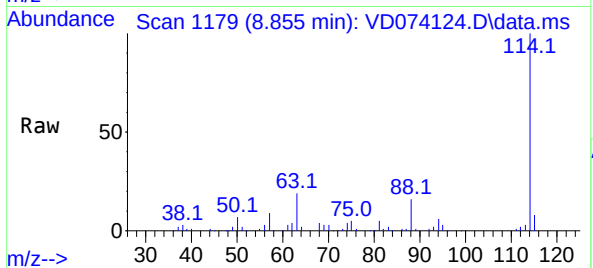




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.855 min Scan# 1179
Delta R.T. -0.000 min
Lab File: VD074124.D
Acq: 17 Aug 2022 15:11

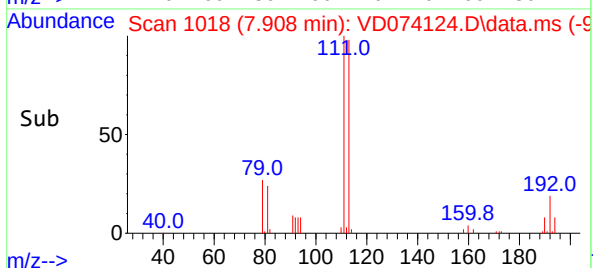
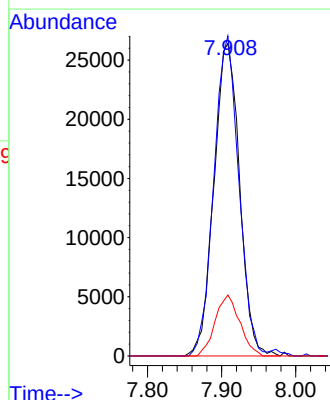
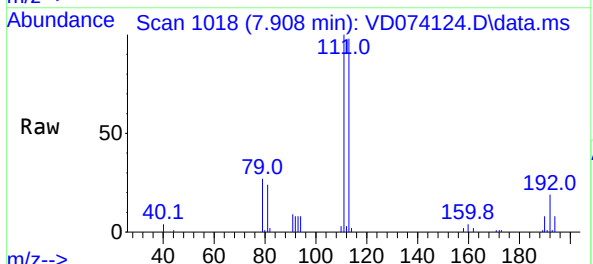
Instrument :
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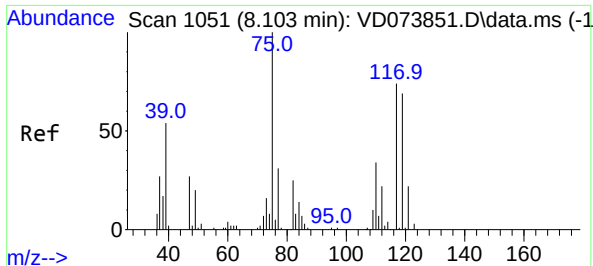
Tgt Ion:114 Resp: 202990
Ion Ratio Lower Upper
114 100
63 19.2 0.0 46.6
88 15.5 0.0 33.2



#35
Dibromofluoromethane
Concen: 48.958 ug/l
RT: 7.908 min Scan# 1018
Delta R.T. -0.001 min
Lab File: VD074124.D
Acq: 17 Aug 2022 15:11

Tgt Ion:113 Resp: 63506
Ion Ratio Lower Upper
113 100
111 99.3 83.8 125.6
192 18.7 14.6 21.8





#36

1,1-Dichloropropene

Concen: 5.582 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.130 min

Lab File: VD074124.D

Acq: 17 Aug 2022 15:11

Instrument :

MSVOA_D

ClientSampleId :

S11

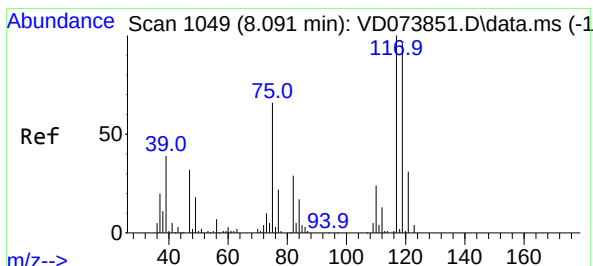
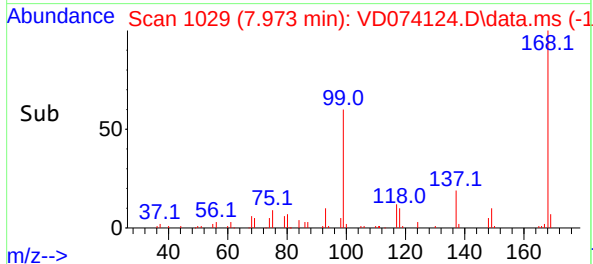
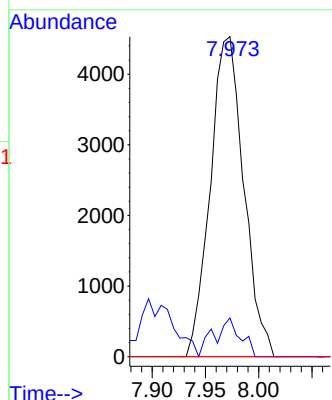
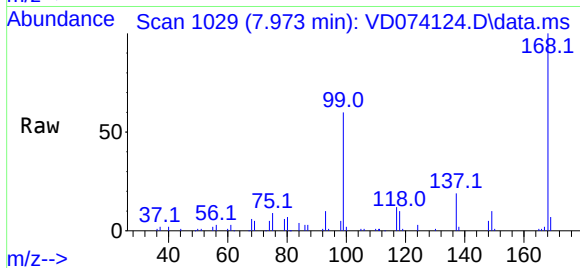
Tgt Ion: 75 Resp: 9875

Ion Ratio Lower Upper

75 100

110 9.5 16.4 49.1#

77 0.0 24.2 36.2#



#38

Carbon Tetrachloride

Concen: 6.280 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.118 min

Lab File: VD074124.D

Acq: 17 Aug 2022 15:11

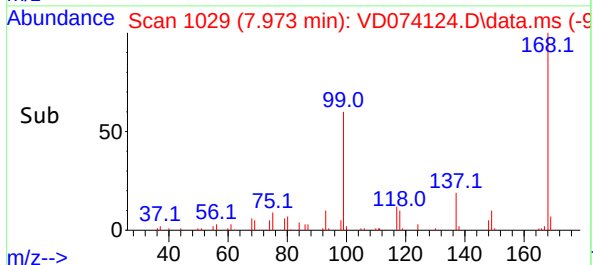
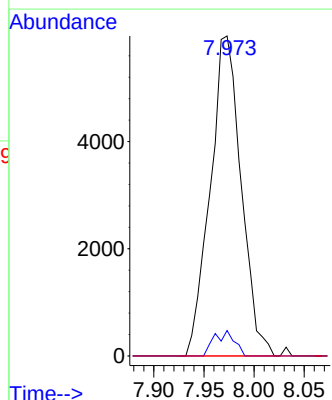
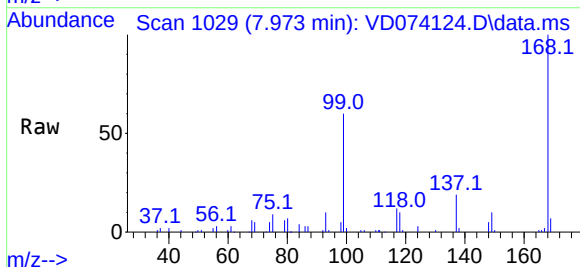
Tgt Ion: 117 Resp: 12822

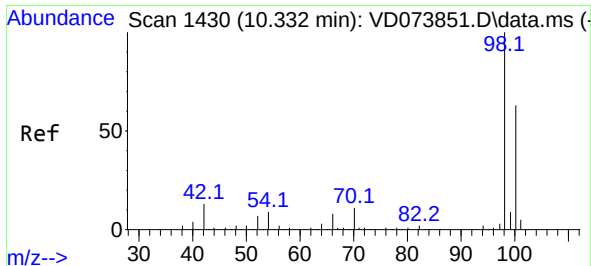
Ion Ratio Lower Upper

117 100

119 7.9 75.8 113.6#

121 0.0 24.5 36.7#

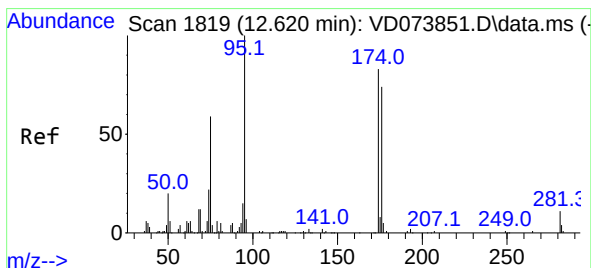
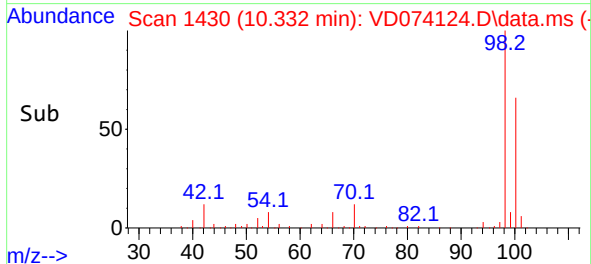
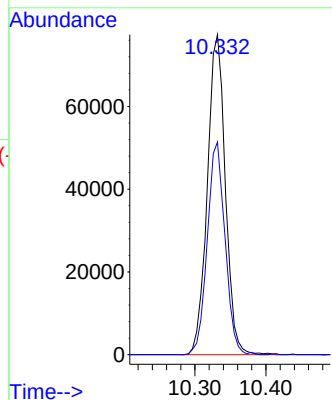
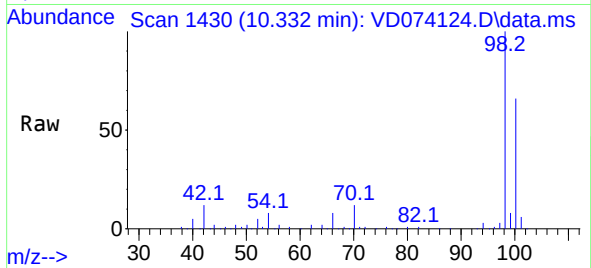




#50
Toluene-d8
Concen: 34.665 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD074124.D
Acq: 17 Aug 2022 15:11

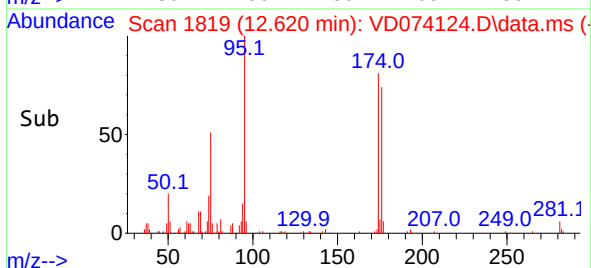
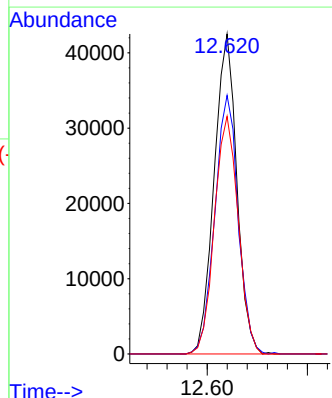
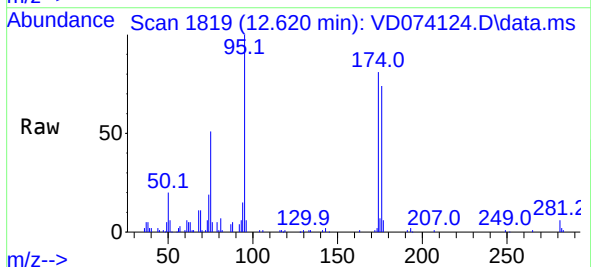
Instrument :
MSVOA_D
ClientSampleId :
S11

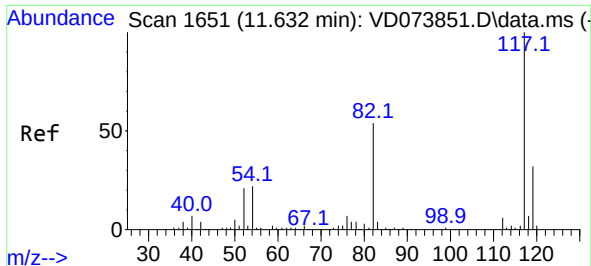
Tgt Ion: 98 Resp: 136522
Ion Ratio Lower Upper
98 100
100 65.4 52.4 78.6



#62
4-Bromofluorobenzene
Concen: 40.983 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD074124.D
Acq: 17 Aug 2022 15:11

Tgt Ion: 95 Resp: 66652
Ion Ratio Lower Upper
95 100
174 83.1 0.0 152.8
176 77.9 0.0 145.4

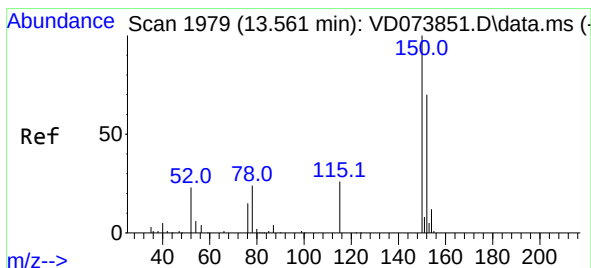
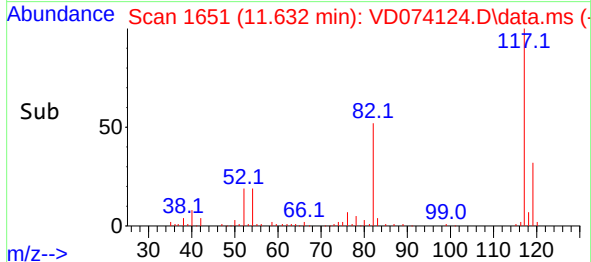
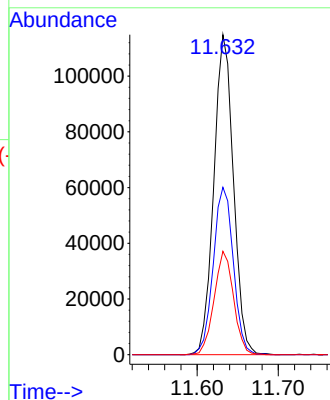
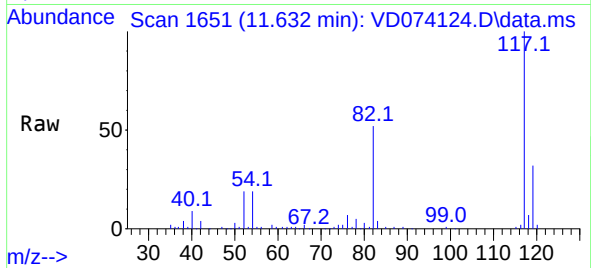




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 1
Delta R.T. -0.000 min
Lab File: VD074124.D
Acq: 17 Aug 2022 15:11

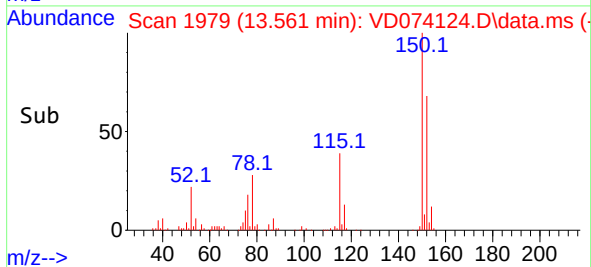
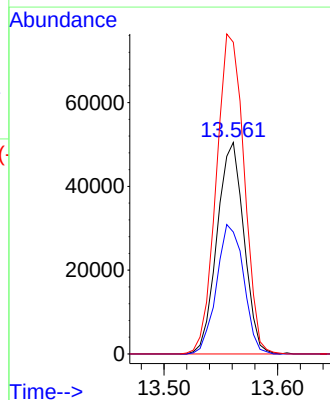
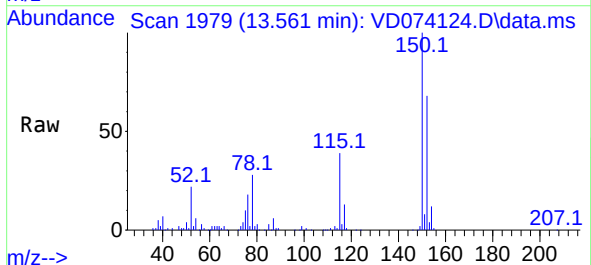
Instrument :
MSVOA_D
ClientSampleId :
S11

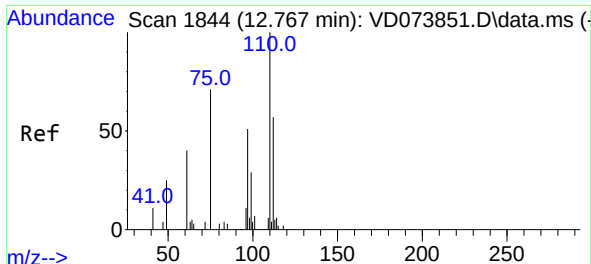
Tgt Ion:117 Resp: 192775
Ion Ratio Lower Upper
117 100
82 52.3 45.3 67.9
119 32.3 26.6 40.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VD074124.D
Acq: 17 Aug 2022 15:11

Tgt Ion:152 Resp: 82945
Ion Ratio Lower Upper
152 100
115 61.8 31.3 93.8
150 157.0 0.0 348.6

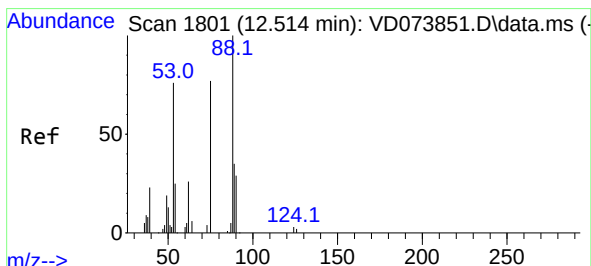
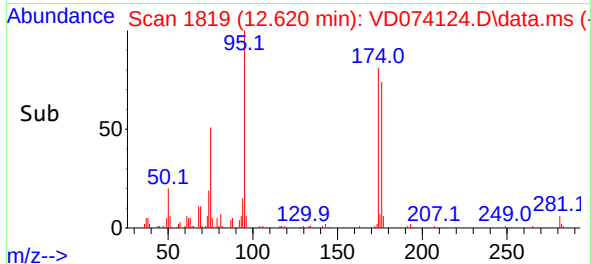
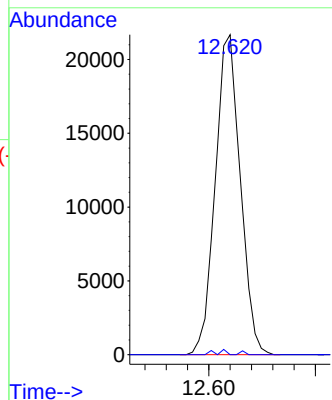
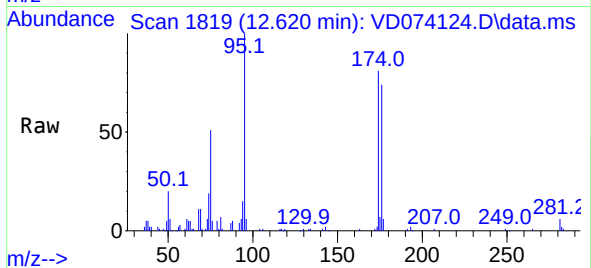




#76
1,2,3-Trichloropropane
Concen: 47.760 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.147 min
Lab File: VD074124.D
Acq: 17 Aug 2022 15:11

Instrument :
MSVOA_D
ClientSampleId :
S11

Tgt Ion: 75 Resp: 35300
Ion Ratio Lower Upper
75 100
77 0.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 133.198 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD074124.D
Acq: 17 Aug 2022 15:11

Tgt Ion: 75 Resp: 35300
Ion Ratio Lower Upper
75 100
53 0.0 86.5 129.7#
89 0.0 33.9 50.9#

