

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD081922\
 Data File : VD074159.D
 Acq On : 19 Aug 2022 20:23
 Operator : VA/SY
 Sample : N4224-01
 Misc : 5.23G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP1-0816

Quant Time: Aug 20 01:28:50 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D081822S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 19 09:25:06 2022
 Response via : Initial Calibration

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

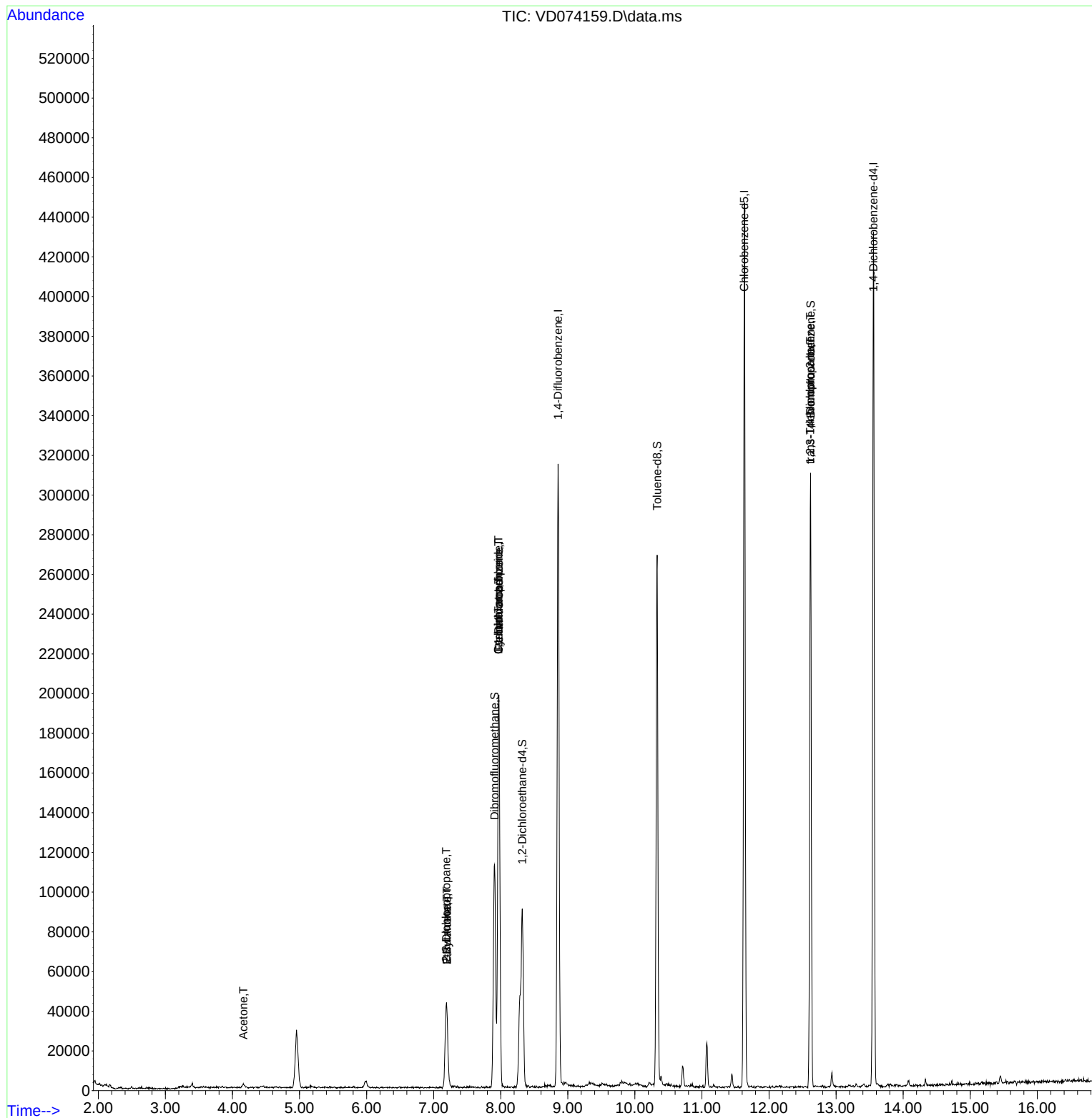
Internal Standards						
1) Pentafluorobenzene	7.973	168	148147	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.856	114	262493	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	247239	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.555	152	115445	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	67726	63.046	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 126.100%	
35) Dibromofluoromethane	7.909	113	84954	67.478	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 134.960%	
50) Toluene-d8	10.332	98	181521	50.567	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 101.140%	
62) 4-Bromofluorobenzene	12.620	95	101616	51.735	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 103.480%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.991	85	148	Below Cal	#	43
11) Tert butyl alcohol	5.220	59	183	Below Cal	#	74
16) Acetone	4.162	43	3192	10.001	ug/l #	74
20) Methylene Chloride	4.956	84	21603	Below Cal		86
25) 2-Butanone	7.197	43	2613	5.017	ug/l	100
26) 2,2-Dichloropropane	7.185	77	3158	1.118	ug/l #	54
31) Cyclohexane	7.967	56	3150	1.004	ug/l #	18
36) 1,1-Dichloropropene	7.967	75	12083	4.497	ug/l #	50
37) Ethyl Acetate	7.197	43	2613	2.170	ug/l #	1
38) Carbon Tetrachloride	7.967	117	16547	6.227	ug/l #	18
76) 1,2,3-Trichloropropane	12.614	75	51589	43.152	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.614	75	51589	112.916	ug/l #	7

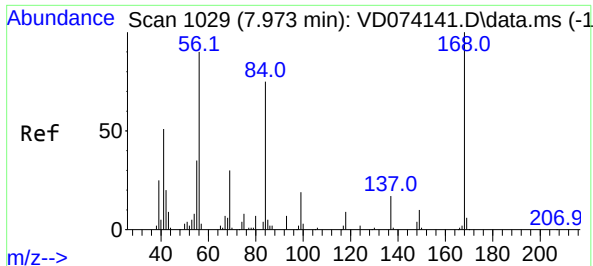
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. 0.000 min

Lab File: VD074159.D

Acq: 19 Aug 2022 20:23

Instrument :

MSVOA_D

ClientSampleId :

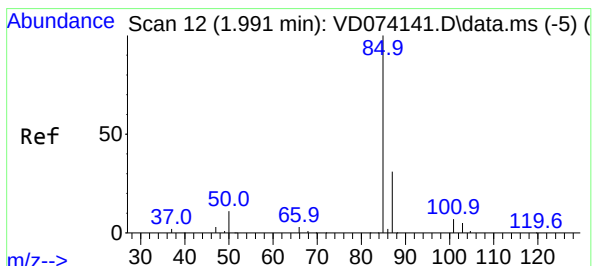
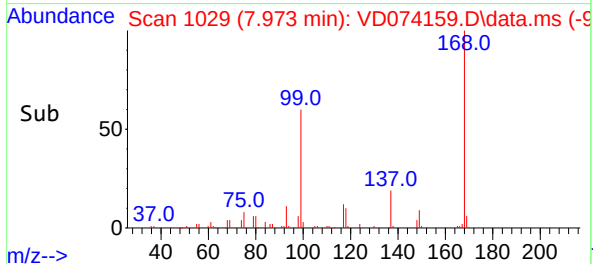
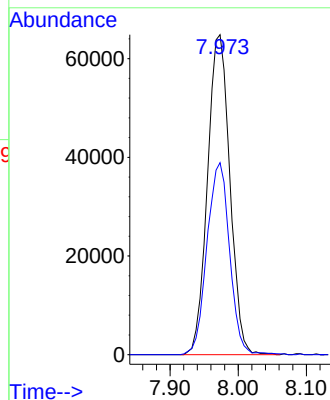
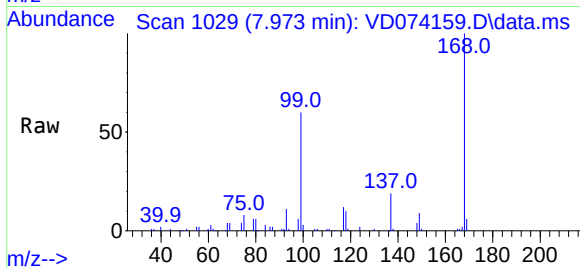
TP1-0816

Tgt Ion:168 Resp: 148147

Ion Ratio Lower Upper

168 100

99 60.0 49.8 74.6



Dichlorodifluoromethane

Concen: Below Cal

RT: 1.991 min Scan# 12

Delta R.T. 0.000 min

Lab File: VD074159.D

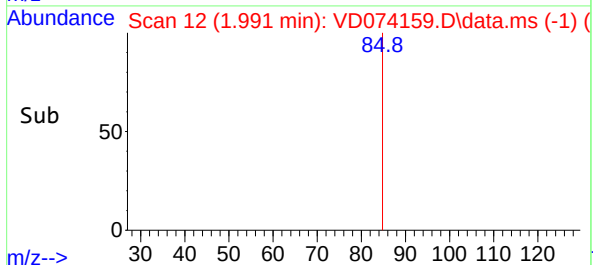
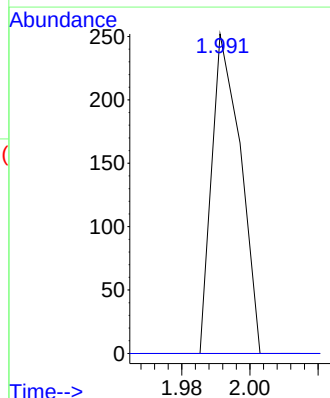
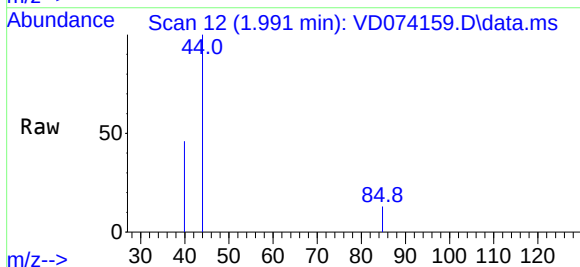
Acq: 19 Aug 2022 20:23

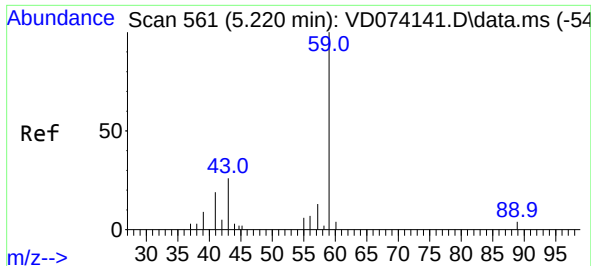
Tgt Ion: 85 Resp: 148

Ion Ratio Lower Upper

85 100

87 0.0 15.7 47.0#

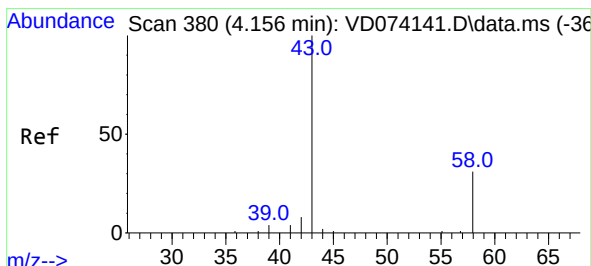
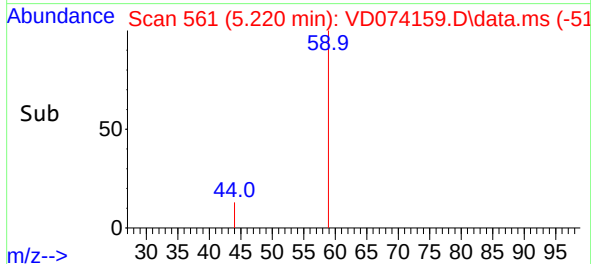
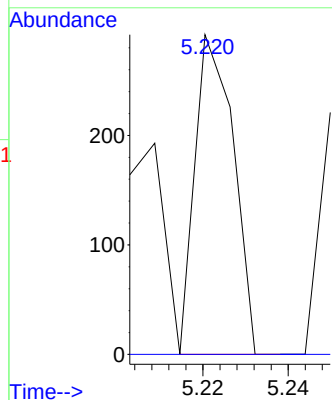
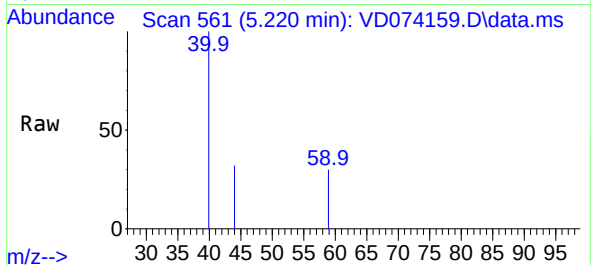




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.220 min Scan# 50
Delta R.T. 0.000 min
Lab File: VD074159.D
Acq: 19 Aug 2022 20:23

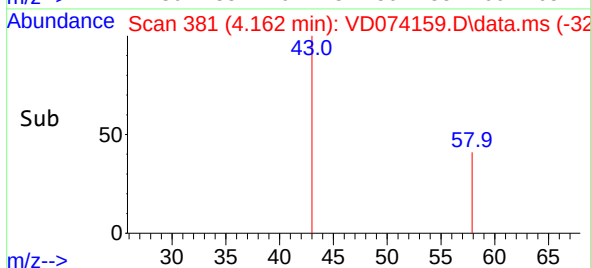
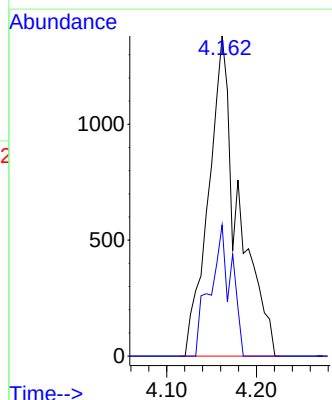
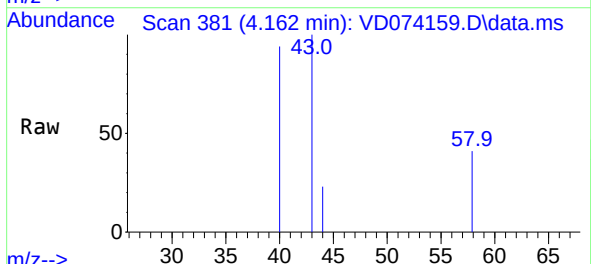
Instrument :
MSVOA_D
ClientSampleId :
TP1-0816

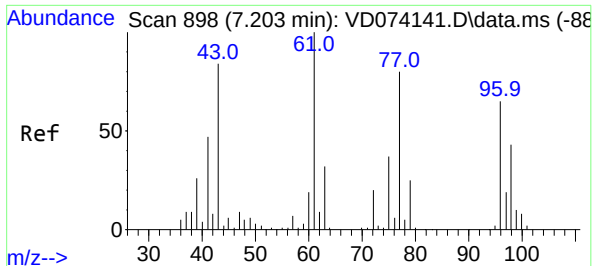
Tgt Ion: 59 Resp: 183
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#



#16
Acetone
Concen: 10.001 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD074159.D
Acq: 19 Aug 2022 20:23

Tgt Ion: 43 Resp: 3192
Ion Ratio Lower Upper
43 100
58 41.0 22.1 33.1#





#25

2-Butanone

Concen: 5.017 ug/l

RT: 7.197 min Scan# 897

Delta R.T. -0.006 min

Lab File: VD074159.D

Acq: 19 Aug 2022 20:23

Instrument :

MSVOA_D

ClientSampleId :

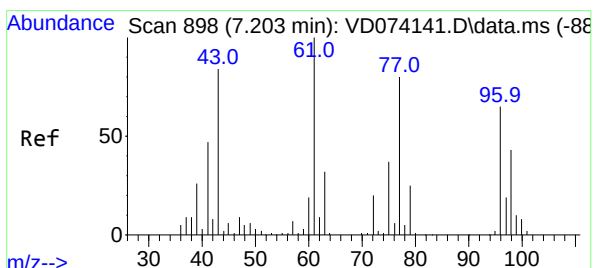
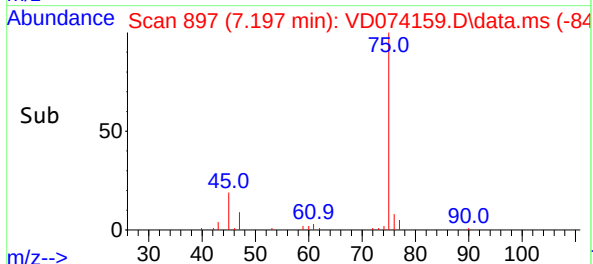
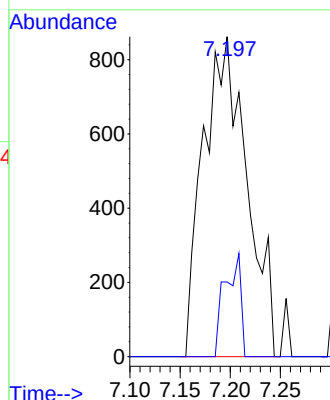
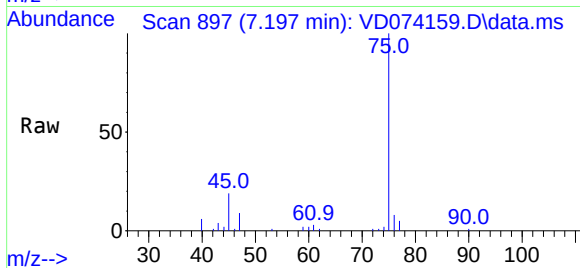
TP1-0816

Tgt Ion: 43 Resp: 2613

Ion Ratio Lower Upper

43 100

72 23.3 18.6 27.8



#26

2,2-Dichloropropane

Concen: 1.118 ug/l

RT: 7.185 min Scan# 895

Delta R.T. -0.018 min

Lab File: VD074159.D

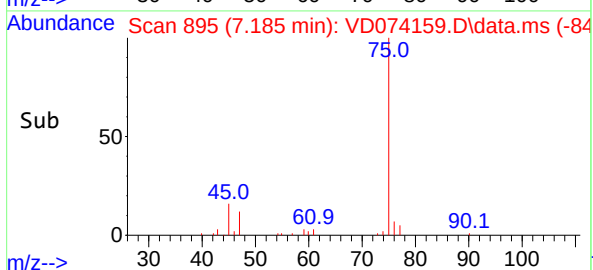
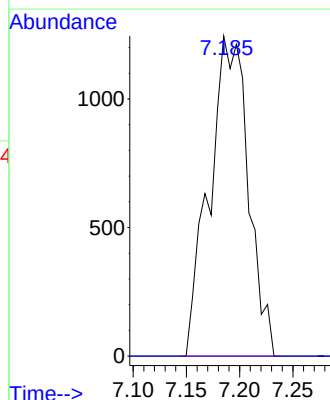
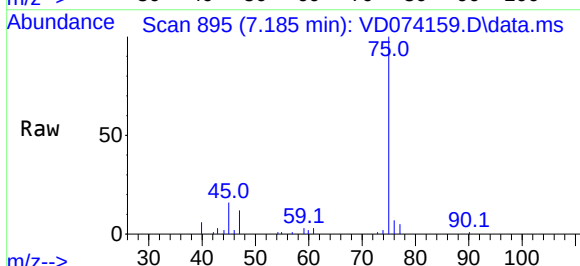
Acq: 19 Aug 2022 20:23

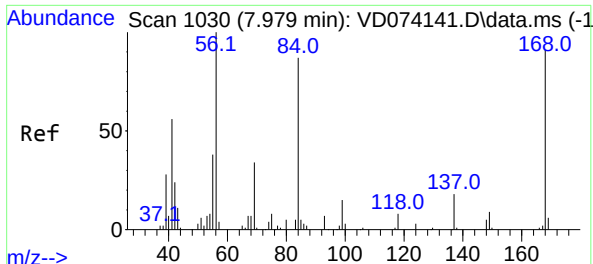
Tgt Ion: 77 Resp: 3158

Ion Ratio Lower Upper

77 100

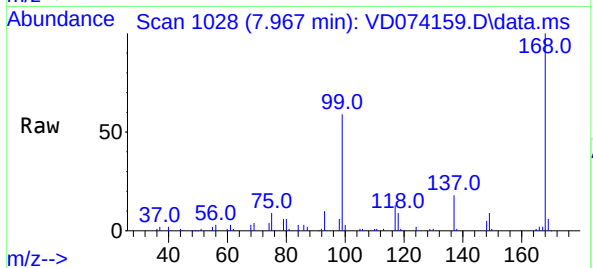
97 0.0 10.8 32.4#



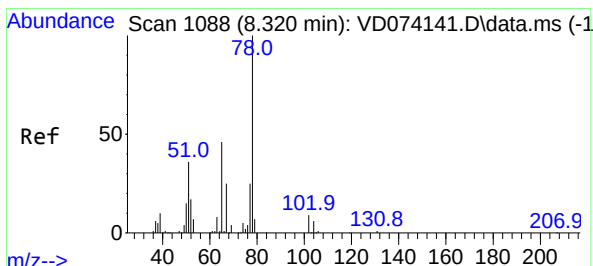
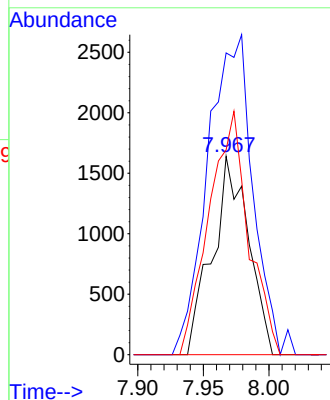
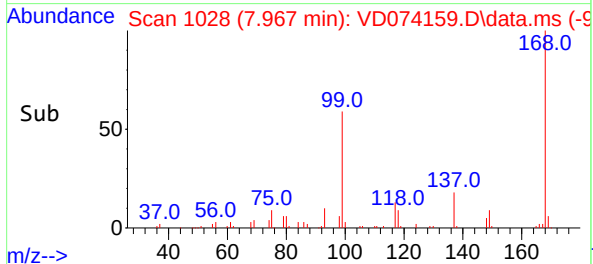


#31
Cyclohexane
Concen: 1.004 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.012 min
Lab File: VD074159.D
Acq: 19 Aug 2022 20:23

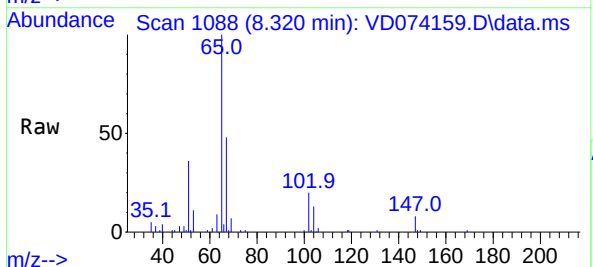
Instrument :
MSVOA_D
ClientSampleId :
TP1-0816



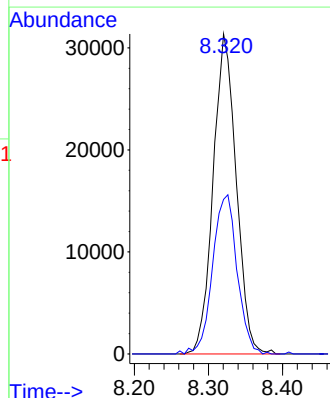
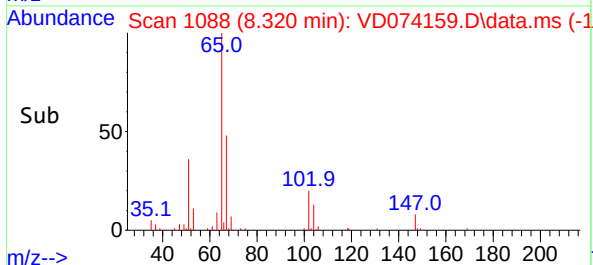
Tgt Ion: 56 Resp: 3150
Ion Ratio Lower Upper
56 100
69 152.2 25.4 38.2#
84 103.3 63.0 94.4#

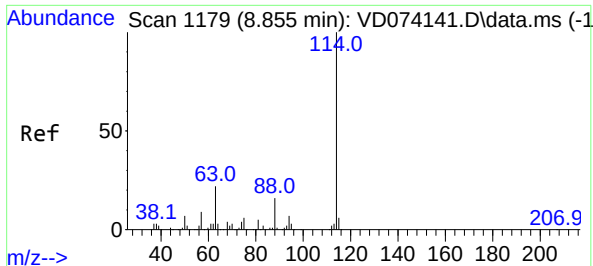


#33
1,2-Dichloroethane-d4
Concen: 63.046 ug/l
RT: 8.320 min Scan# 1088
Delta R.T. 0.000 min
Lab File: VD074159.D
Acq: 19 Aug 2022 20:23



Tgt Ion: 65 Resp: 67726
Ion Ratio Lower Upper
65 100
67 52.9 0.0 101.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.856 min Scan# 1179

Delta R.T. 0.001 min

Lab File: VD074159.D

Acq: 19 Aug 2022 20:23

Instrument :

MSVOA_D

ClientSampleId :

TP1-0816

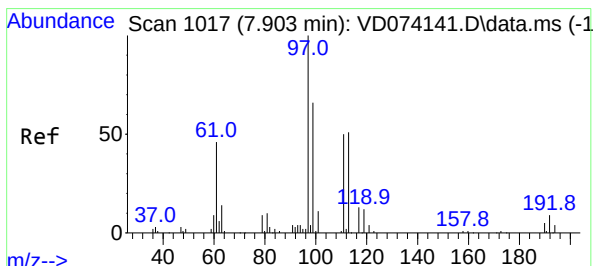
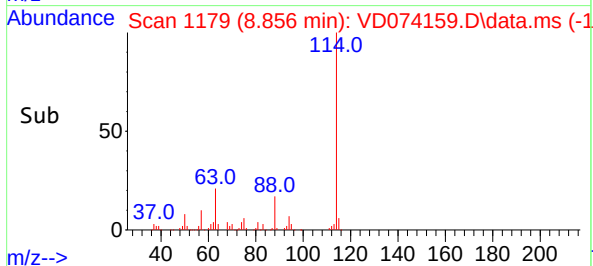
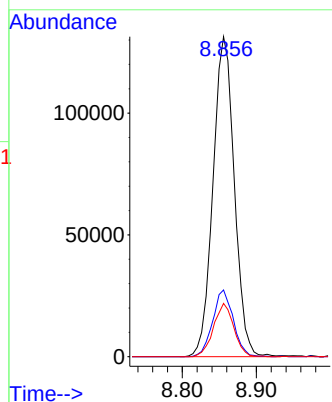
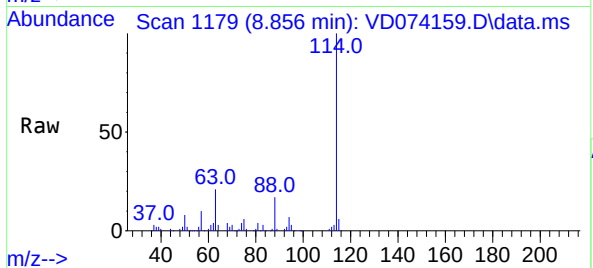
Tgt Ion:114 Resp: 262493

Ion Ratio Lower Upper

114 100

63 20.9 0.0 46.6

88 16.7 0.0 33.2



#35

Dibromofluoromethane

Concen: 67.478 ug/l

RT: 7.909 min Scan# 1018

Delta R.T. 0.006 min

Lab File: VD074159.D

Acq: 19 Aug 2022 20:23

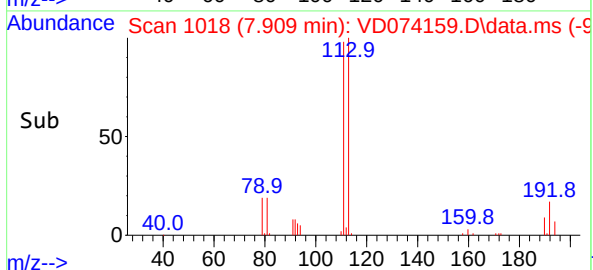
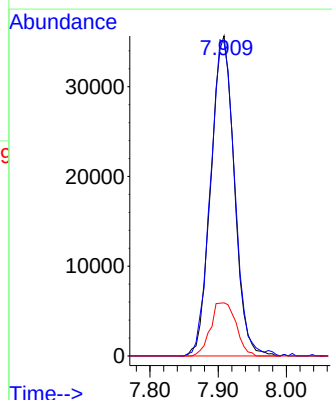
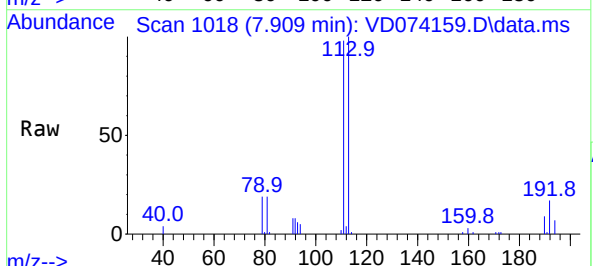
Tgt Ion:113 Resp: 84954

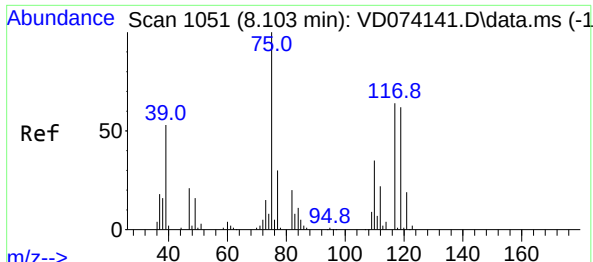
Ion Ratio Lower Upper

113 100

111 102.0 83.8 125.6

192 18.1 14.6 21.8

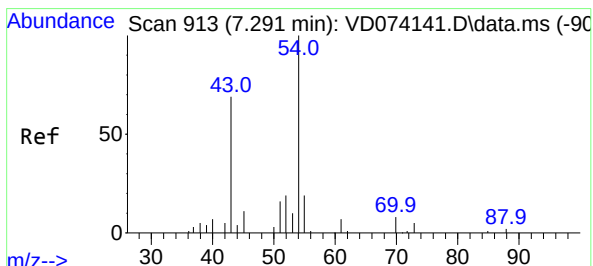
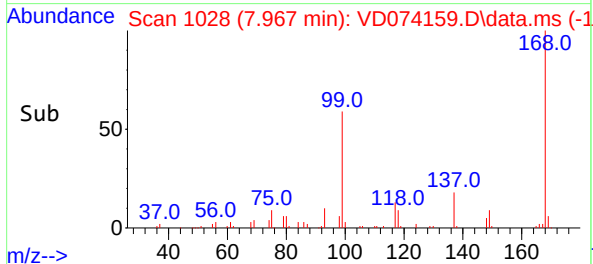
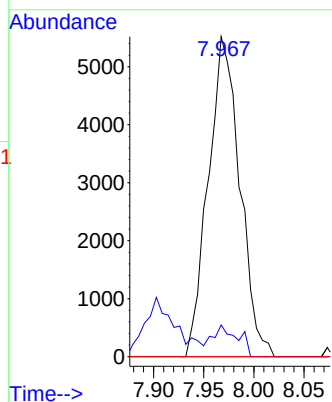
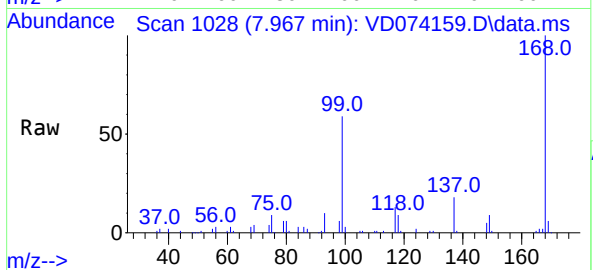




#36
1,1-Dichloropropene
Concen: 4.497 ug/l
RT: 7.967 min Scan# 110
Delta R.T. -0.136 min
Lab File: VD074159.D
Acq: 19 Aug 2022 20:23

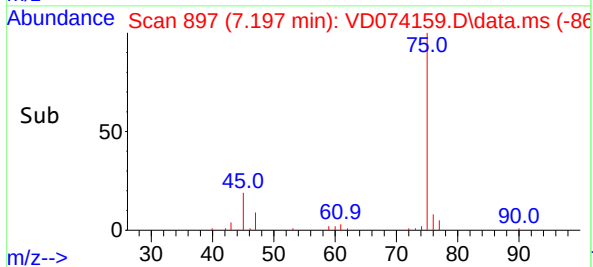
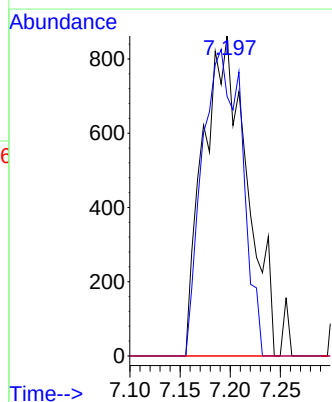
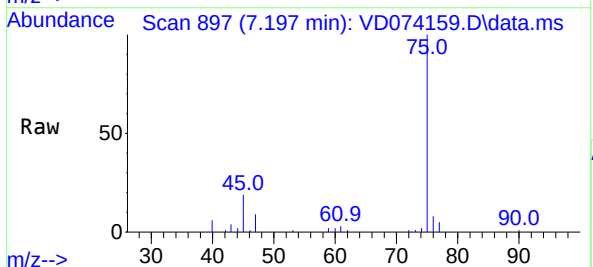
Instrument :
MSVOA_D
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TP1-0816

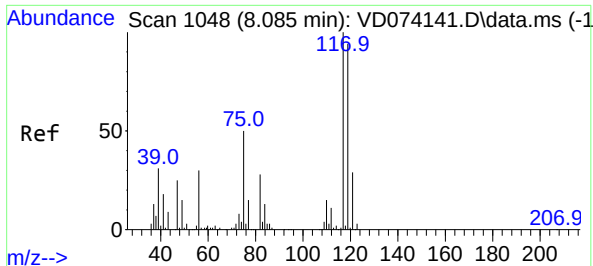
Tgt Ion: 75 Resp: 12083
Ion Ratio Lower Upper
75 100
110 7.9 16.4 49.1#
77 0.0 24.2 36.2#



#37
Ethyl Acetate
Concen: 2.170 ug/l
RT: 7.197 min Scan# 897
Delta R.T. -0.094 min
Lab File: VD074159.D
Acq: 19 Aug 2022 20:23

Tgt Ion: 43 Resp: 2613
Ion Ratio Lower Upper
43 100
61 86.7 9.8 14.8#
70 0.0 6.9 10.3#

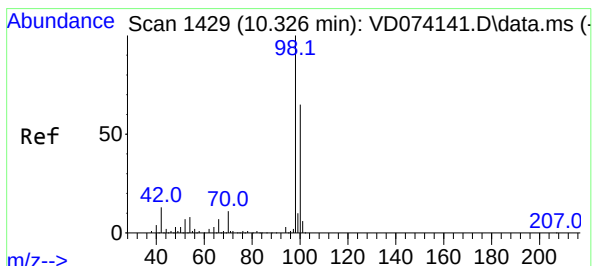
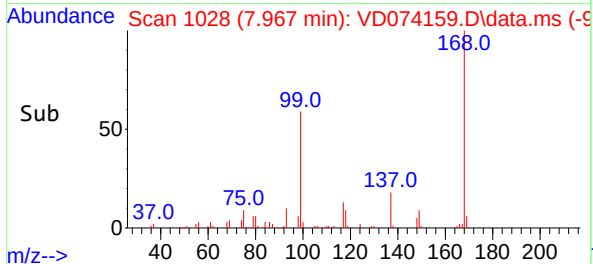
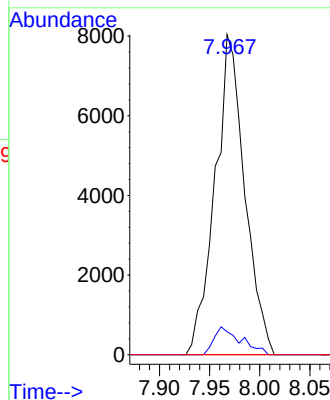
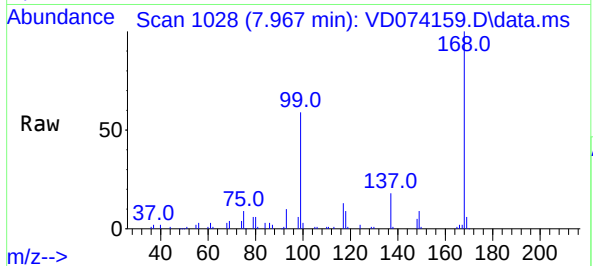




#38
Carbon Tetrachloride
Concen: 6.227 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.118 min
Lab File: VD074159.D
Acq: 19 Aug 2022 20:23

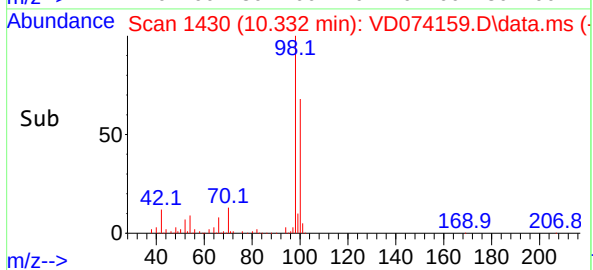
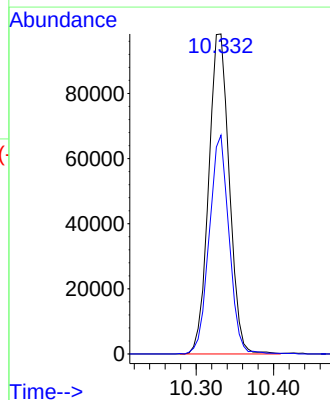
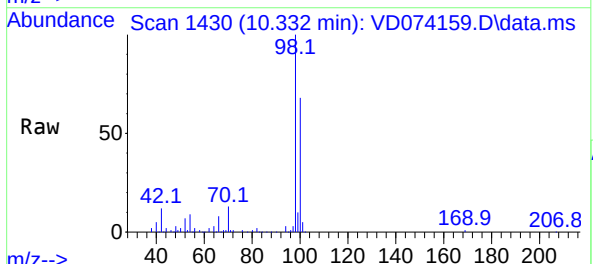
Instrument :
MSVOA_D
ClientSampleId :
TP1-0816

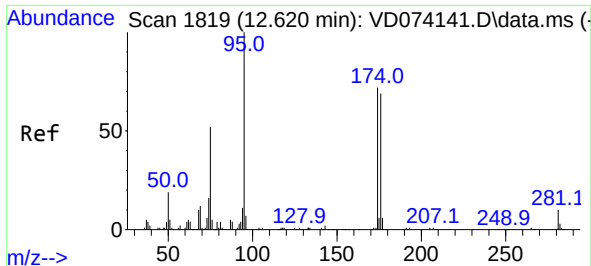
Tgt Ion:117 Resp: 16547
Ion Ratio Lower Upper
117 100
119 7.2 75.8 113.6#
121 0.0 24.5 36.7#



#50
Toluene-d8
Concen: 50.567 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. 0.006 min
Lab File: VD074159.D
Acq: 19 Aug 2022 20:23

Tgt Ion: 98 Resp: 181521
Ion Ratio Lower Upper
98 100
100 65.8 52.4 78.6

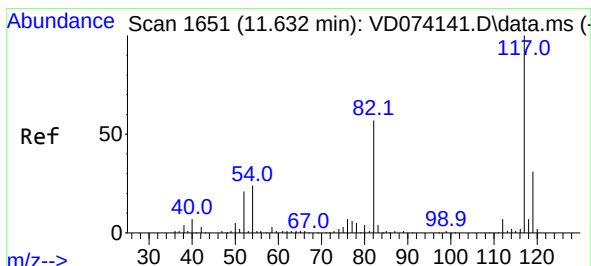
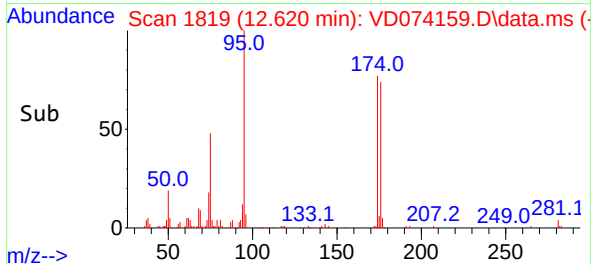
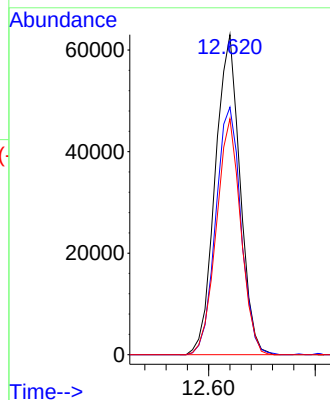
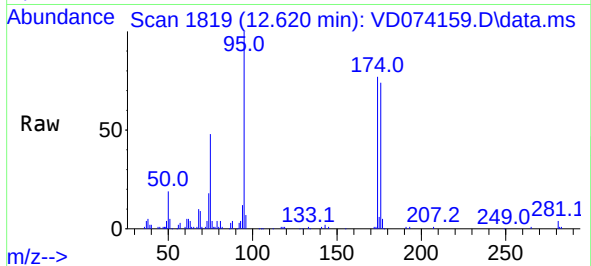




#62
4-Bromofluorobenzene
Concen: 51.735 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD074159.D
Acq: 19 Aug 2022 20:23

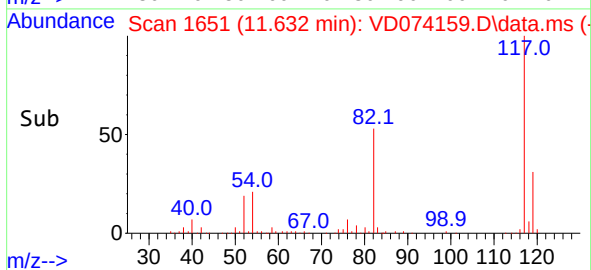
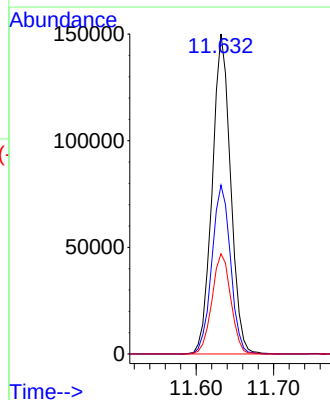
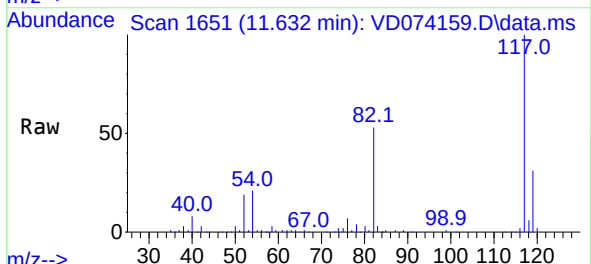
Instrument :
MSVOA_D
ClientSampleId :
TP1-0816

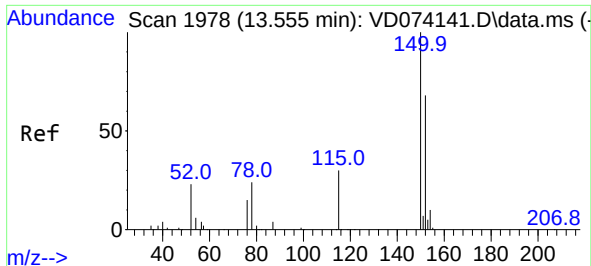
Tgt Ion: 95 Resp: 101616
Ion Ratio Lower Upper
95 100
174 78.8 0.0 152.8
176 72.7 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 1651
Delta R.T. -0.000 min
Lab File: VD074159.D
Acq: 19 Aug 2022 20:23

Tgt Ion: 117 Resp: 247239
Ion Ratio Lower Upper
117 100
82 52.8 45.3 67.9
119 31.3 26.6 40.0

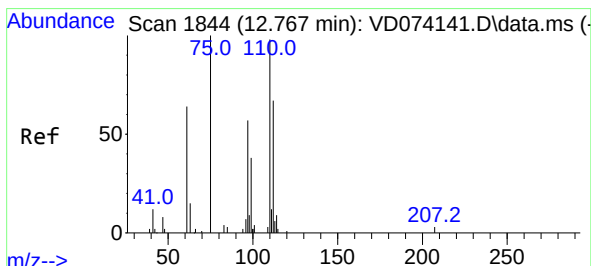
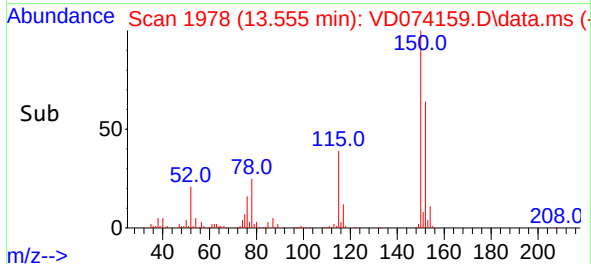
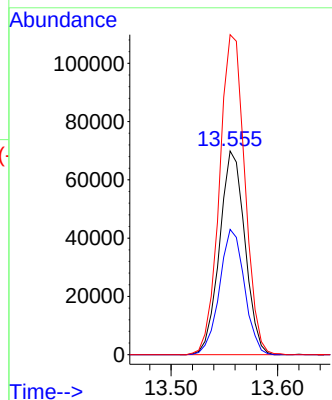
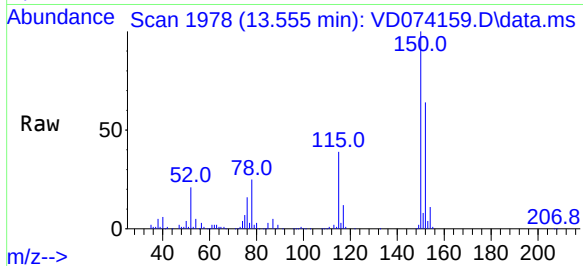




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.555 min Scan# 1978
Delta R.T. 0.000 min
Lab File: VD074159.D
Acq: 19 Aug 2022 20:23

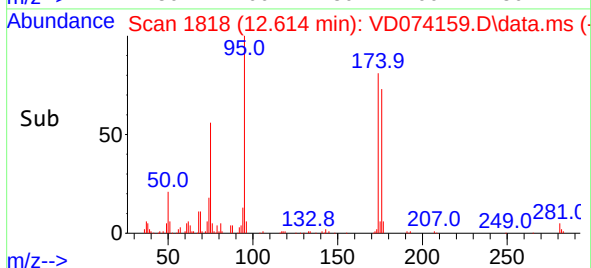
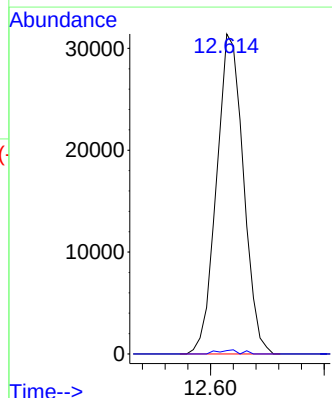
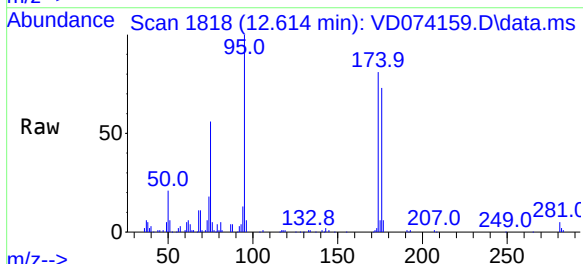
Instrument :
MSVOA_D
ClientSampleId :
TP1-0816

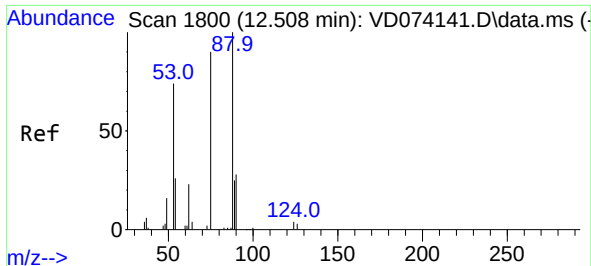
Tgt Ion:152 Resp: 115445
Ion Ratio Lower Upper
152 100
115 60.5 31.3 93.8
150 157.4 0.0 348.6



#76
1,2,3-Trichloropropane
Concen: 43.152 ug/l
RT: 12.614 min Scan# 1818
Delta R.T. -0.153 min
Lab File: VD074159.D
Acq: 19 Aug 2022 20:23

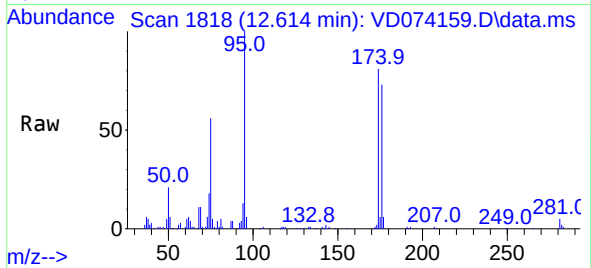
Tgt Ion: 75 Resp: 51589
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 112.916 ug/l
 RT: 12.614 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VD074159.D
 Acq: 19 Aug 2022 20:23

Instrument :
 MSVOA_D
 ClientSampleId :
 TP1-0816



Tgt Ion:	75	Resp:	51589
Ion	Ratio	Lower	Upper
75	100		
53	0.0	86.5	129.7#
89	0.0	33.9	50.9#

