

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD081022\
 Data File : VD074029.D
 Acq On : 10 Aug 2022 17:04
 Operator : VA/SY
 Sample : N4038-05
 Misc : 5.01G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 S-5

Quant Time: Aug 10 17:41:26 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D081022S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 10 14:55:58 2022
 Response via : Initial Calibration

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

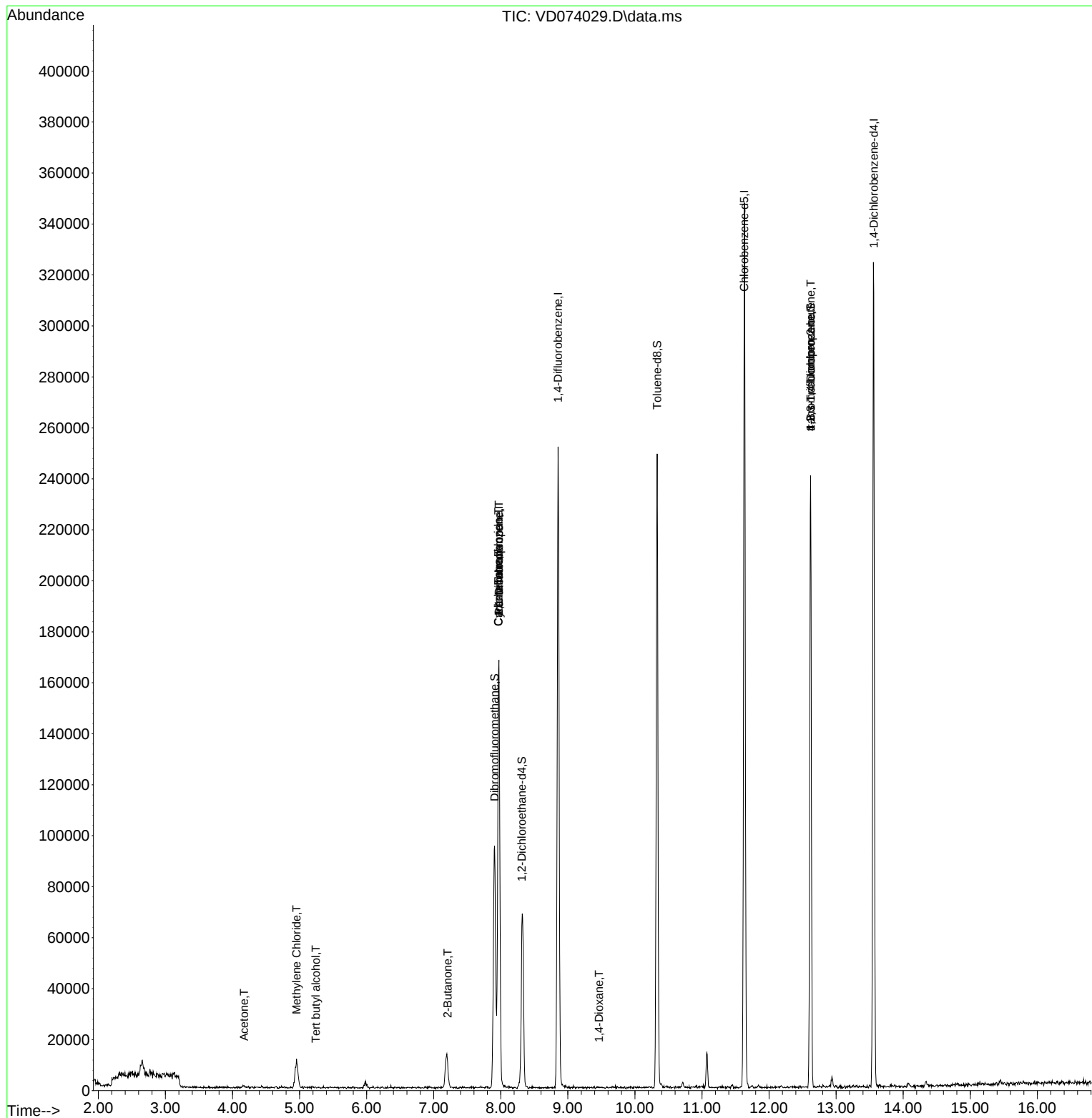
Internal Standards						
1) Pentafluorobenzene	7.973	168	118768	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	206254	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	191731	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	82471	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.314	65	55901	61.365	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 122.720%	
35) Dibromofluoromethane	7.908	113	66540	48.572	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 97.140%	
50) Toluene-d8	10.332	98	166892	46.131	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 92.260%	
62) 4-Bromofluorobenzene	12.620	95	76178	45.219	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 90.440%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.991	85	188	Below Cal	#	43
3) Chloromethane	2.203	50	622	Below Cal	#	40
11) Tert butyl alcohol	5.244	59	55	8.253	ug/l #	74
16) Acetone	4.173	43	876	4.610	ug/l	99
18) Methyl Acetate	4.461	43	158	Below Cal	#	49
20) Methylene Chloride	4.956	84	8322	3.814	ug/l	99
25) 2-Butanone	7.208	43	757	2.547	ug/l #	46
31) Cyclohexane	7.967	56	3087	1.481	ug/l #	27
36) 1,1-Dichloropropene	7.973	75	9679	4.643	ug/l #	48
38) Carbon Tetrachloride	7.967	117	13062	5.558	ug/l #	15
49) 1,4-Dioxane	9.467	88	62	7.243	ug/l #	24
76) 1,2,3-Trichloropropane	12.620	75	41028	54.488	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	41028	145.428	ug/l #	13
92) 1,2-Dibromo-3-Chloropr...	14.473	75	58	Below Cal	#	1

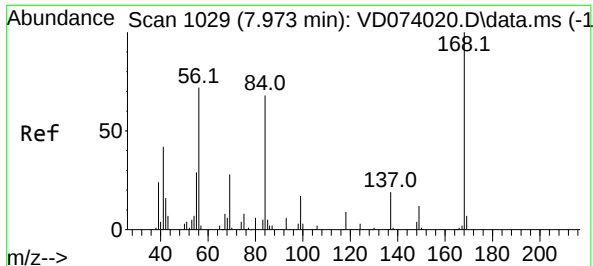
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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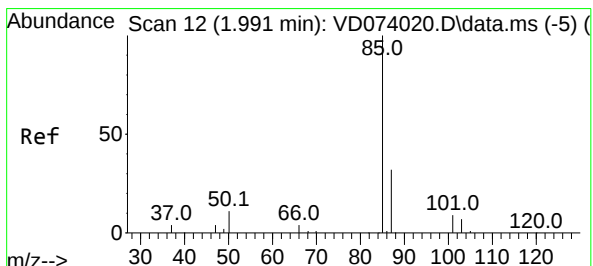
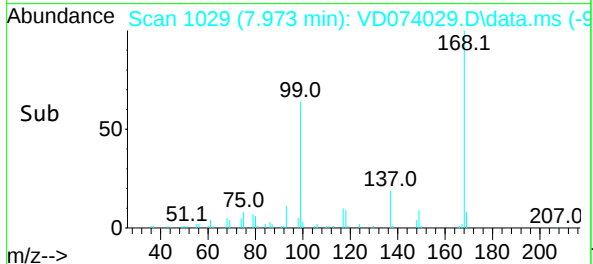
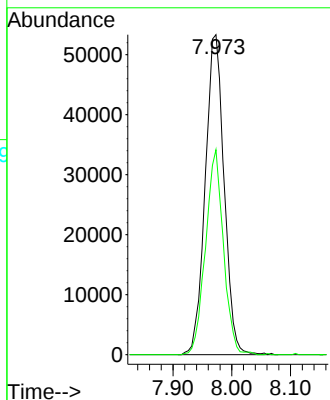
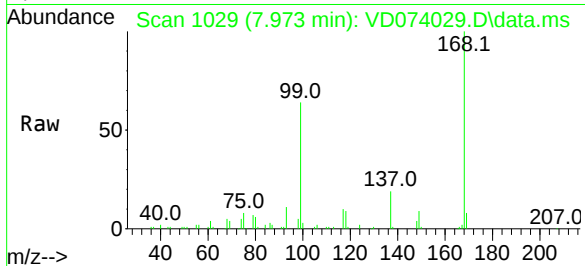




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD074029.D
Acq: 10 Aug 2022 17:04

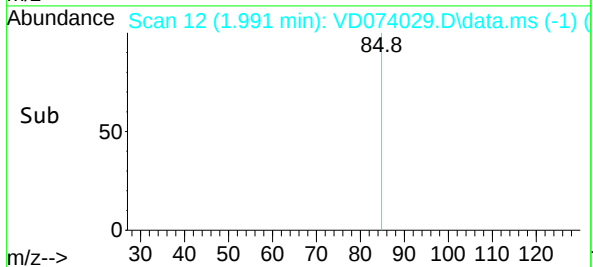
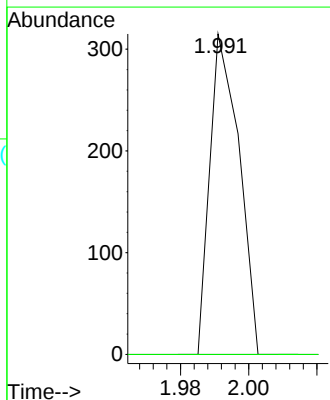
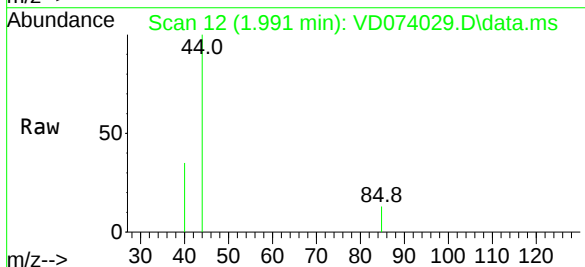
Instrument :
MSVOA_D
ClientSampleId :
S-5

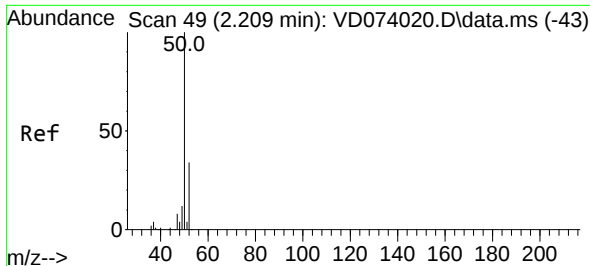
Tgt Ion:168 Resp: 118768
Ion Ratio Lower Upper
168 100
99 64.0 48.3 72.5



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.991 min Scan# 12
Delta R.T. 0.000 min
Lab File: VD074029.D
Acq: 10 Aug 2022 17:04

Tgt Ion: 85 Resp: 188
Ion Ratio Lower Upper
85 100
87 0.0 16.0 47.9#

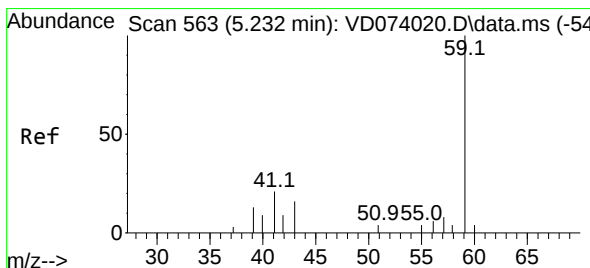
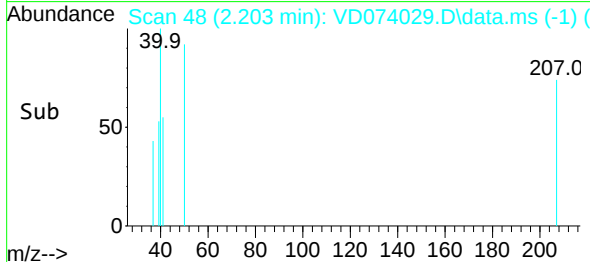
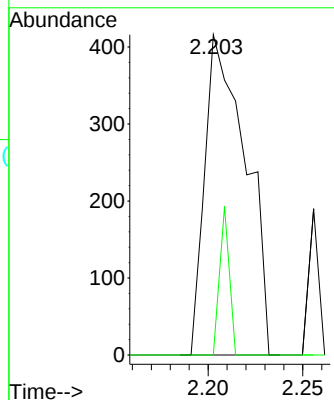
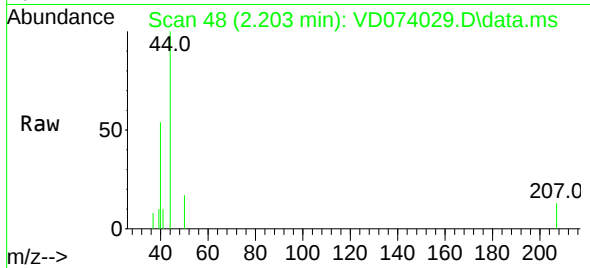




#3
Chloromethane
Concen: Below Cal
RT: 2.203 min Scan# 41
Delta R.T. -0.006 min
Lab File: VD074029.D
Acq: 10 Aug 2022 17:04

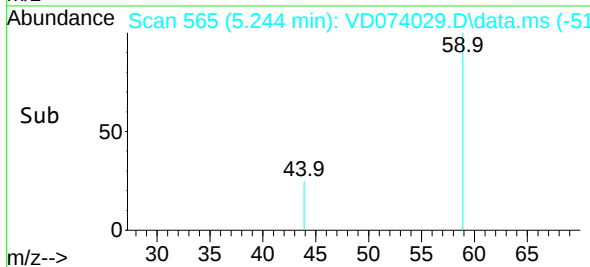
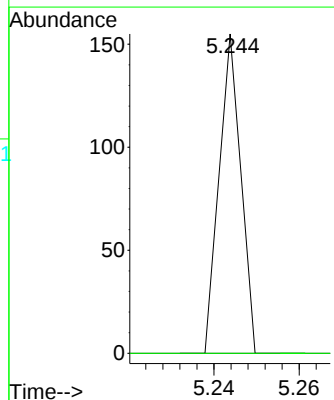
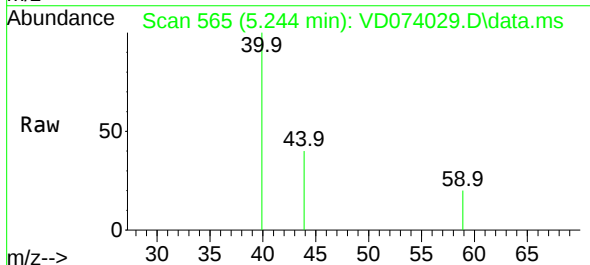
Instrument :
MSVOA_D
ClientSampleId :
S-5

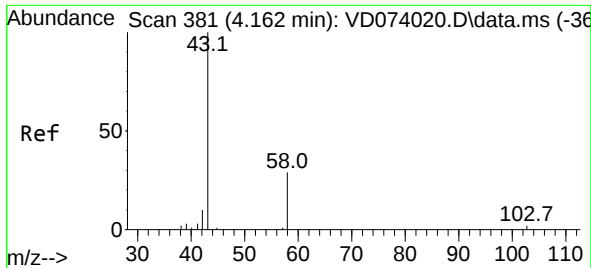
Tgt Ion: 50 Resp: 622
Ion Ratio Lower Upper
50 100
52 0.0 28.1 42.1#



#11
Tert butyl alcohol
Concen: 8.253 ug/l
RT: 5.244 min Scan# 565
Delta R.T. 0.012 min
Lab File: VD074029.D
Acq: 10 Aug 2022 17:04

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

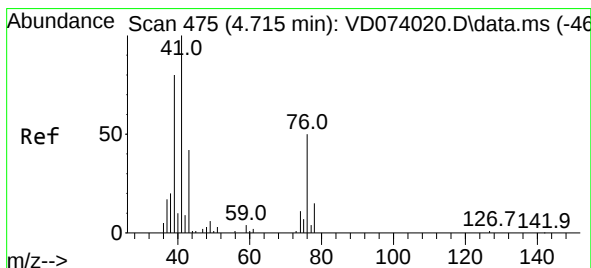
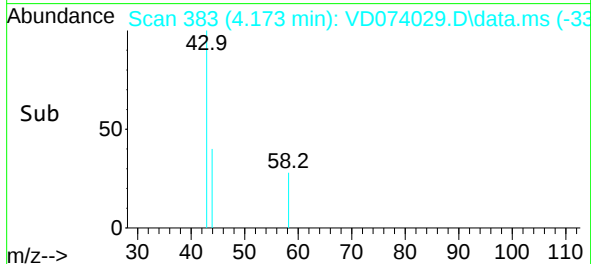
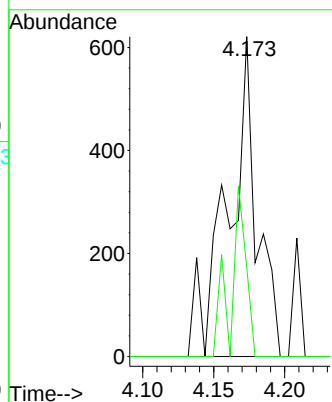
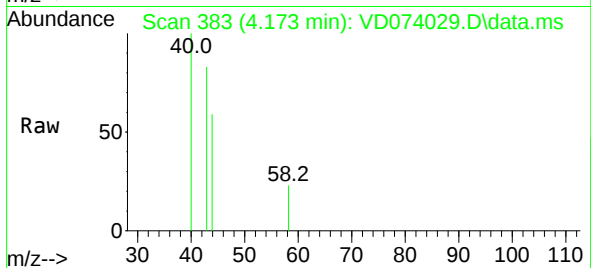




#16
Acetone
Concen: 4.610 ug/l
RT: 4.173 min Scan# 381
Delta R.T. 0.011 min
Lab File: VD074029.D
Acq: 10 Aug 2022 17:04

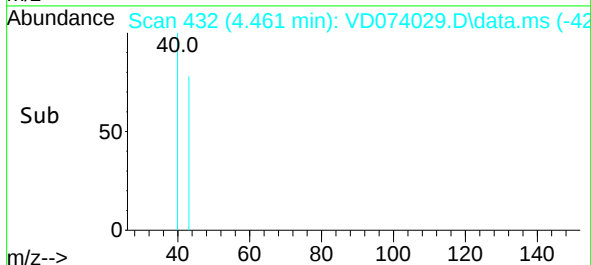
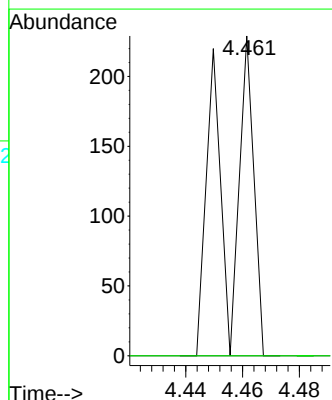
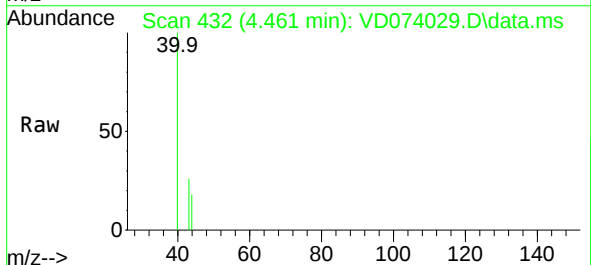
Instrument :
MSVOA_D
ClientSampleId :
S-5

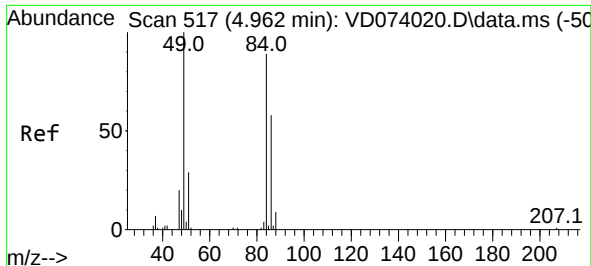
Tgt Ion: 43 Resp: 876
Ion Ratio Lower Upper
43 100
58 27.9 22.8 34.2



#18
Methyl Acetate
Concen: Below Cal
RT: 4.461 min Scan# 432
Delta R.T. -0.254 min
Lab File: VD074029.D
Acq: 10 Aug 2022 17:04

Tgt Ion: 43 Resp: 158
Ion Ratio Lower Upper
43 100
74 0.0 21.0 31.4#





#20

Methylene Chloride

Concen: 3.814 ug/l

RT: 4.956 min Scan# 517

Delta R.T. -0.006 min

Lab File: VD074029.D

Acq: 10 Aug 2022 17:04

Instrument :

MSVOA_D

ClientSampleId :

S-5

Tgt Ion: 84 Resp: 8322

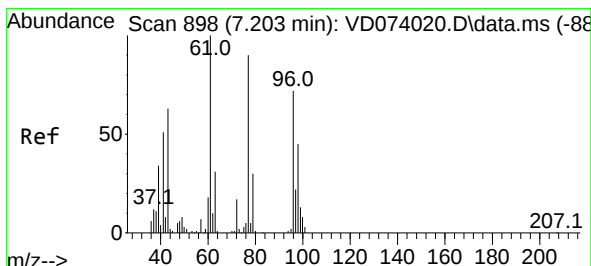
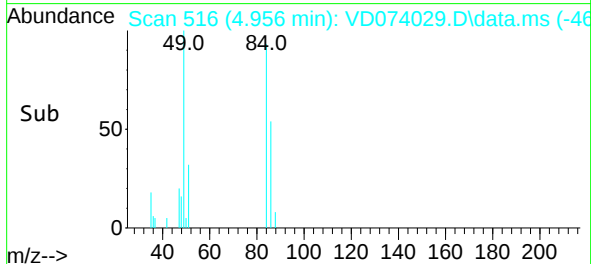
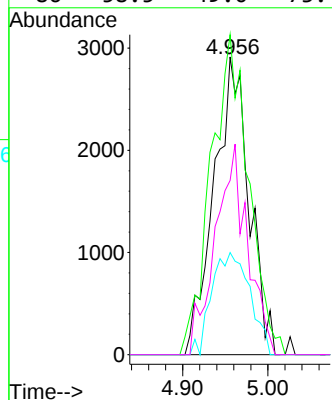
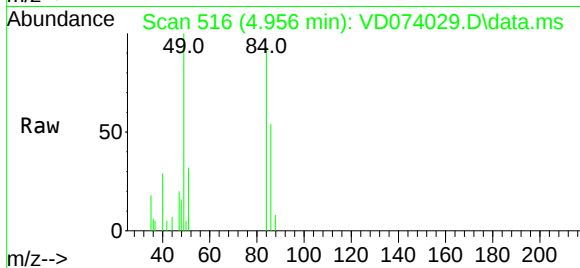
Ion Ratio Lower Upper

84 100

49 107.4 85.8 128.6

51 34.3 28.0 42.0

86 58.5 49.0 73.4



#25

2-Butanone

Concen: 2.547 ug/l

RT: 7.208 min Scan# 899

Delta R.T. 0.005 min

Lab File: VD074029.D

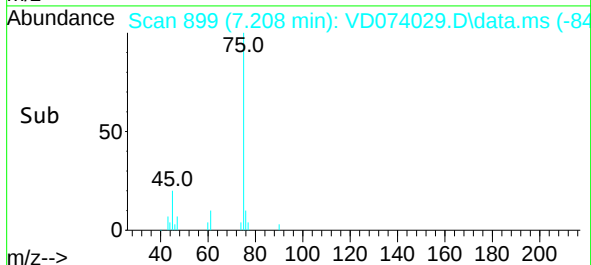
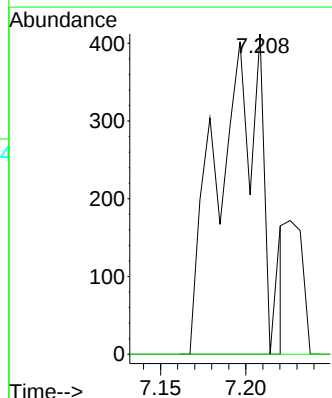
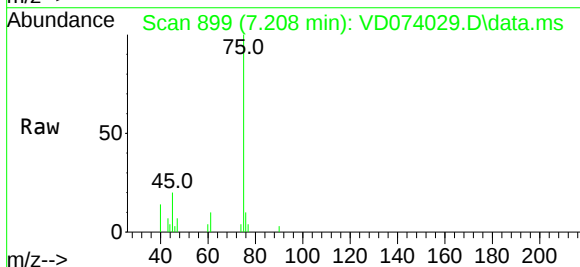
Acq: 10 Aug 2022 17:04

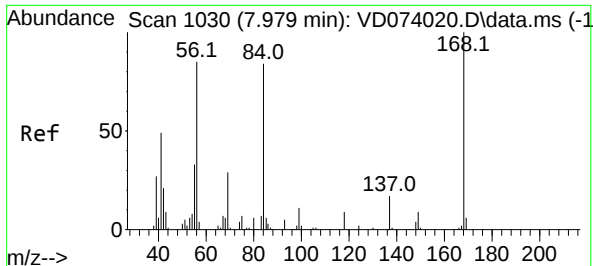
Tgt Ion: 43 Resp: 757

Ion Ratio Lower Upper

43 100

72 0.0 23.0 34.6#

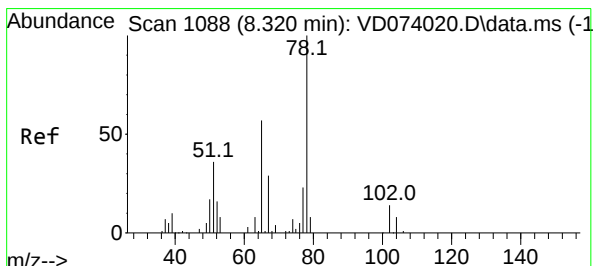
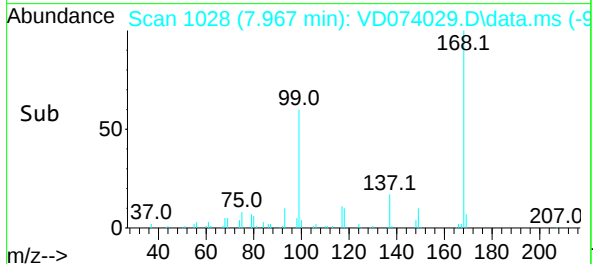
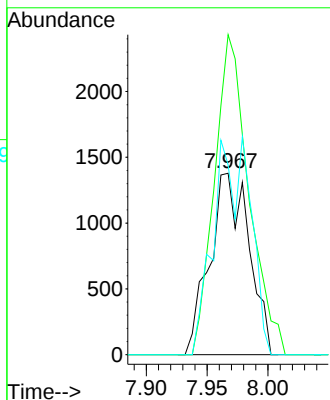
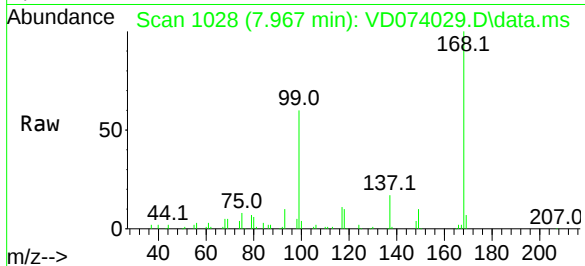




#31
Cyclohexane
Concen: 1.481 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.012 min
Lab File: VD074029.D
Acq: 10 Aug 2022 17:04

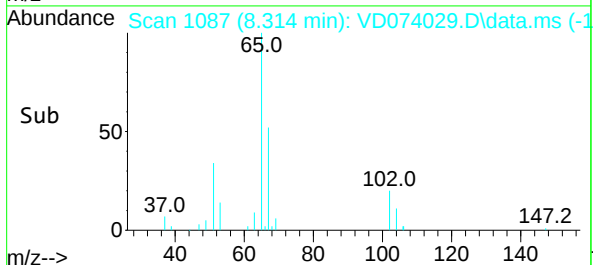
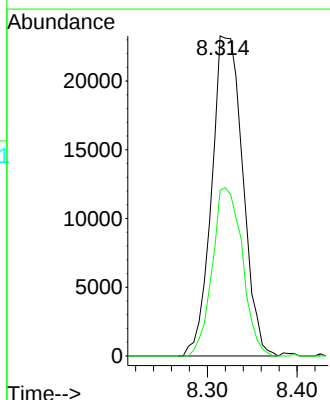
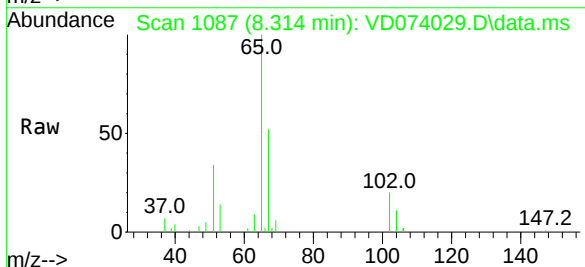
Instrument :
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ClientSampleId :
S-5

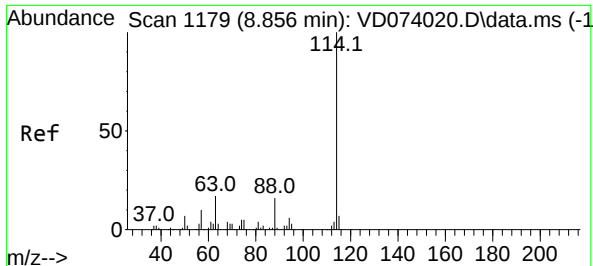
Tgt Ion: 56 Resp: 3087
Ion Ratio Lower Upper
56 100
69 176.4 27.9 41.9#
84 104.6 75.8 113.6



#33
1,2-Dichloroethane-d4
Concen: 61.365 ug/l
RT: 8.314 min Scan# 1087
Delta R.T. -0.006 min
Lab File: VD074029.D
Acq: 10 Aug 2022 17:04

Tgt Ion: 65 Resp: 55901
Ion Ratio Lower Upper
65 100
67 50.8 0.0 113.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 1179

Delta R.T. -0.000 min

Lab File: VD074029.D

Acq: 10 Aug 2022 17:04

Instrument :

MSVOA_D

ClientSampleId :

S-5

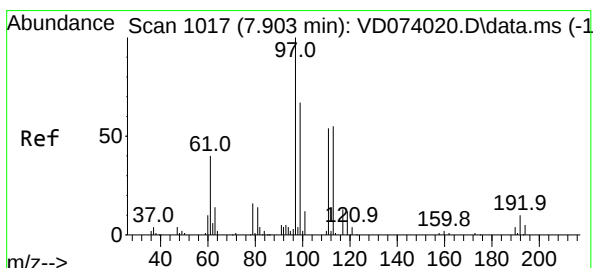
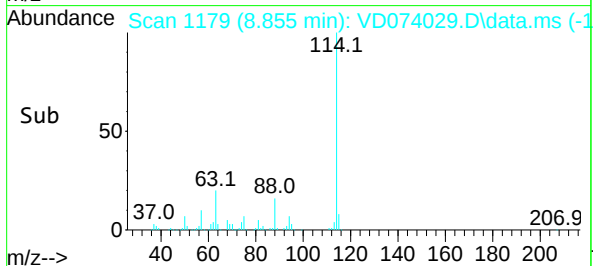
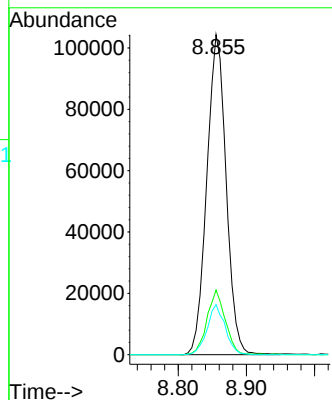
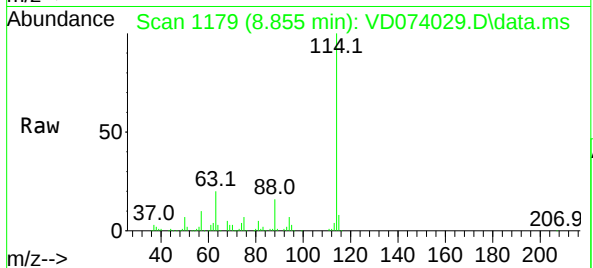
Tgt Ion:114 Resp: 206254

Ion Ratio Lower Upper

114 100

63 20.2 0.0 41.0

88 15.7 0.0 31.6



#35

Dibromofluoromethane

Concen: 48.572 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. 0.005 min

Lab File: VD074029.D

Acq: 10 Aug 2022 17:04

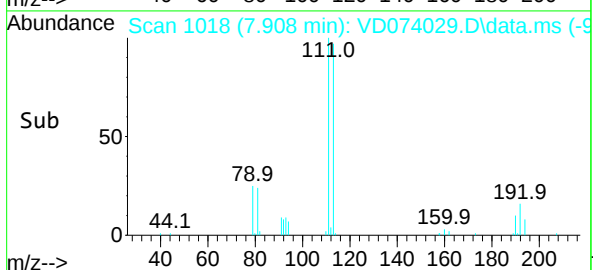
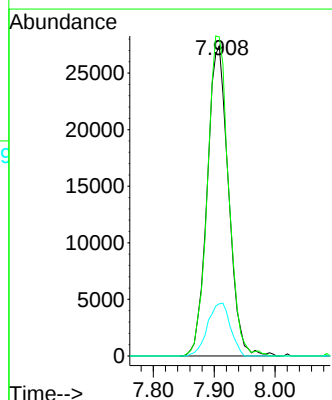
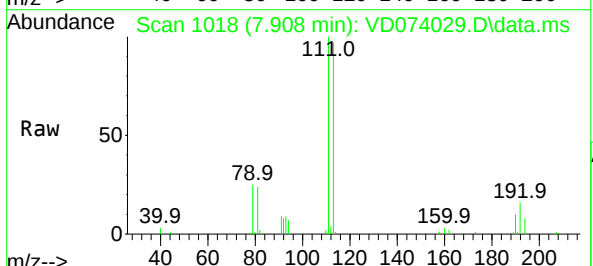
Tgt Ion:113 Resp: 66540

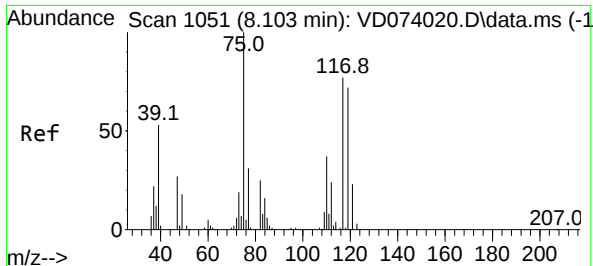
Ion Ratio Lower Upper

113 100

111 102.6 80.0 120.0

192 18.2 14.2 21.4





#36

1,1-Dichloropropene

Concen: 4.643 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.130 min

Lab File: VD074029.D

Acq: 10 Aug 2022 17:04

Instrument :

MSVOA_D

ClientSampleId :

S-5

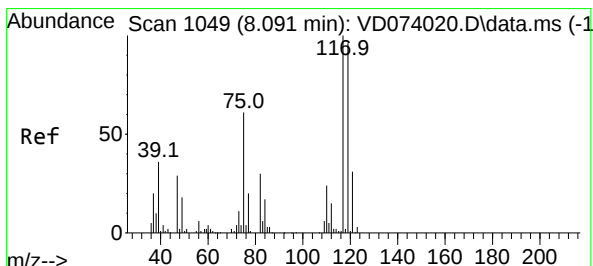
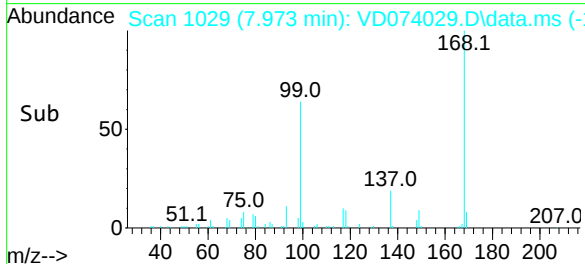
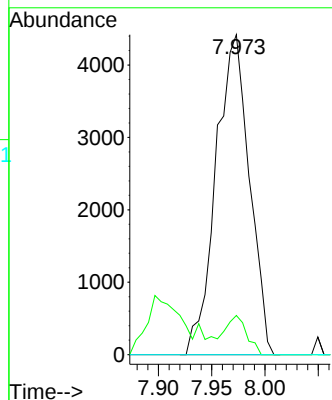
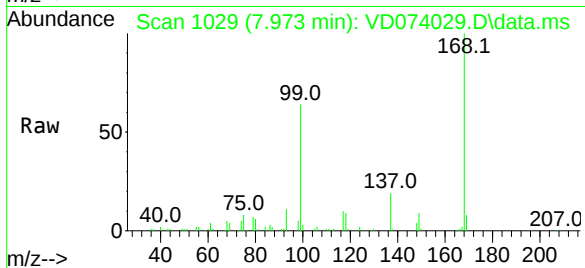
Tgt Ion: 75 Resp: 9679

Ion Ratio Lower Upper

75 100

110 7.7 18.4 55.4#

77 0.0 24.6 36.8#



#38

Carbon Tetrachloride

Concen: 5.558 ug/l

RT: 7.967 min Scan# 1028

Delta R.T. -0.124 min

Lab File: VD074029.D

Acq: 10 Aug 2022 17:04

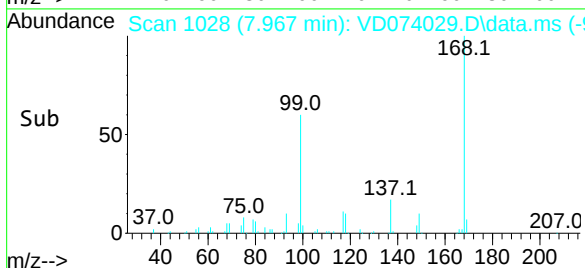
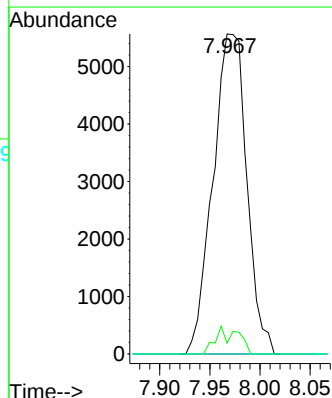
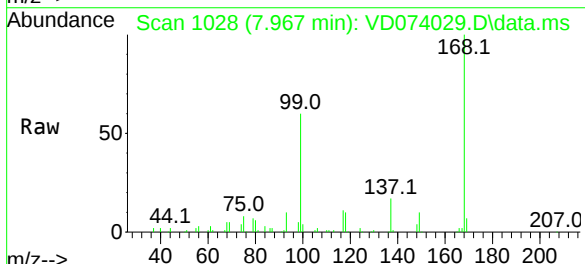
Tgt Ion: 117 Resp: 13062

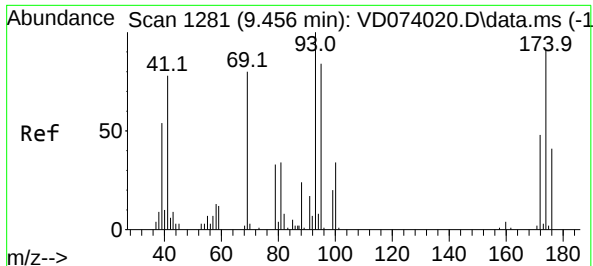
Ion Ratio Lower Upper

117 100

119 3.4 75.4 113.2#

121 0.0 25.2 37.8#





#49

1,4-Dioxane

Concen: 7.243 ug/l

RT: 9.467 min Scan# 1281

Delta R.T. 0.011 min

Lab File: VD074029.D

Acq: 10 Aug 2022 17:04

Instrument :

MSVOA_D

ClientSampleId :

S-5

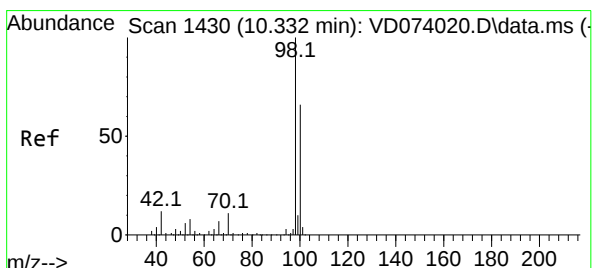
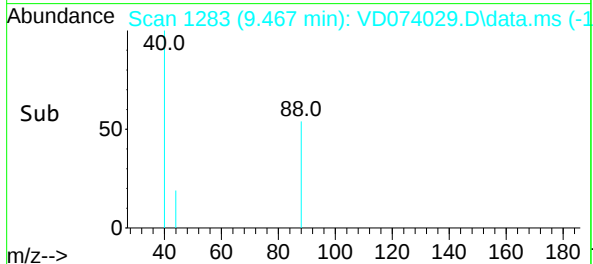
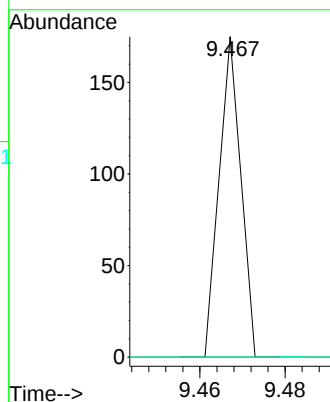
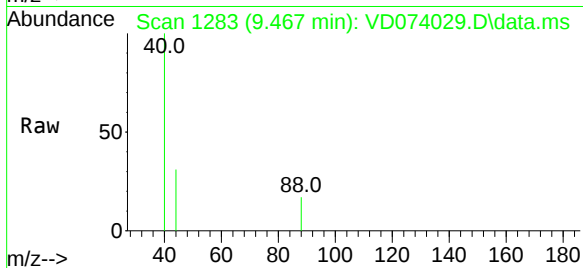
Tgt Ion: 88 Resp: 62

Ion Ratio Lower Upper

88 100

43 0.0 29.2 43.8#

58 0.0 53.8 80.6#



#50

Toluene-d8

Concen: 46.131 ug/l

RT: 10.332 min Scan# 1430

Delta R.T. -0.000 min

Lab File: VD074029.D

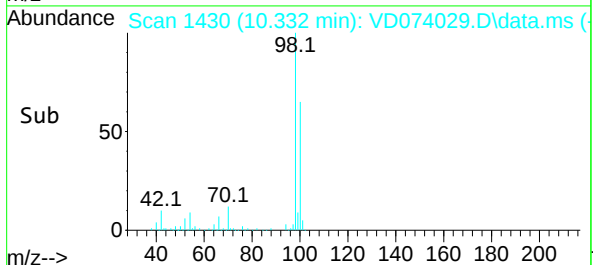
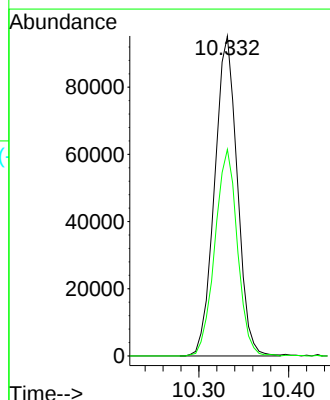
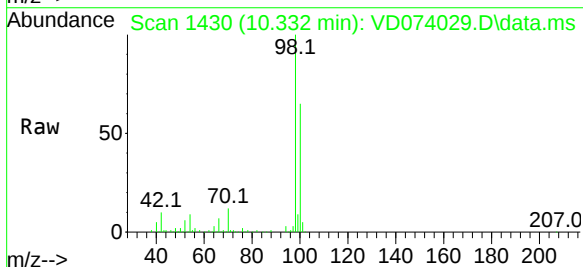
Acq: 10 Aug 2022 17:04

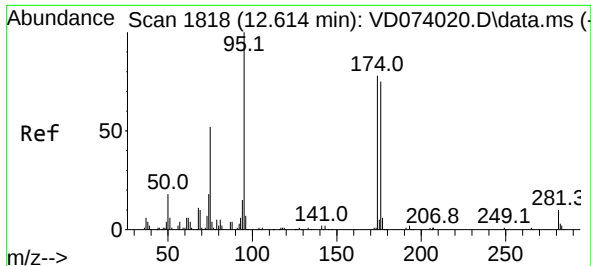
Tgt Ion: 98 Resp: 166892

Ion Ratio Lower Upper

98 100

100 64.1 51.3 76.9

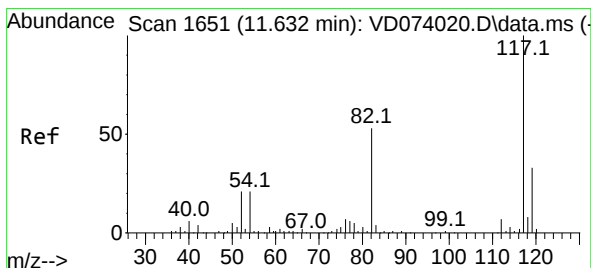
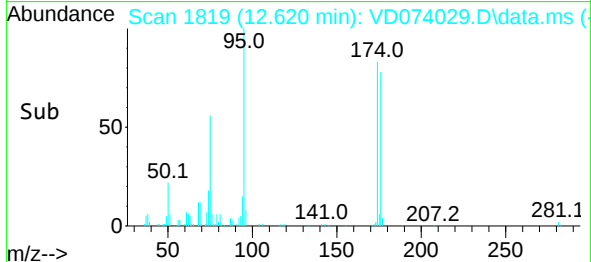
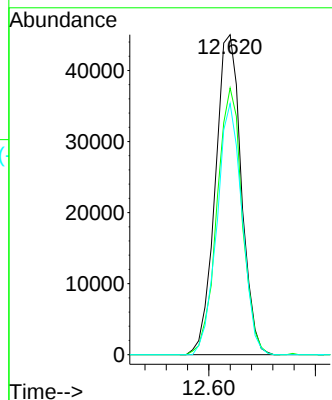
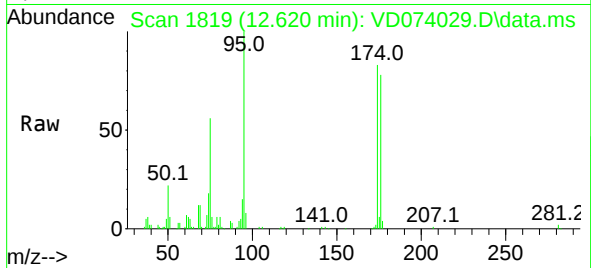




#62
4-Bromofluorobenzene
Concen: 45.219 ug/l
RT: 12.620 min Scan# 1818
Delta R.T. 0.006 min
Lab File: VD074029.D
Acq: 10 Aug 2022 17:04

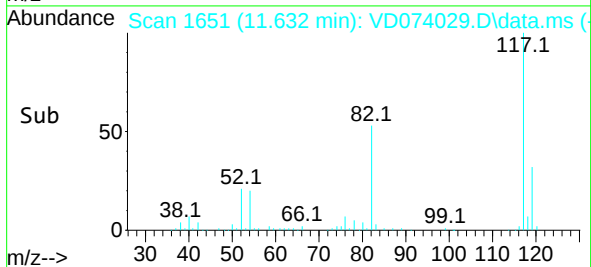
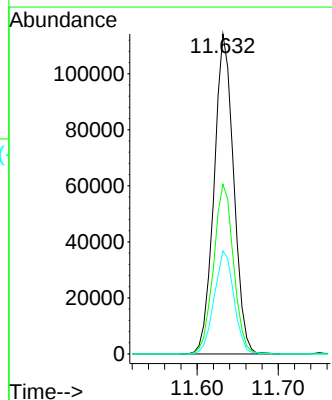
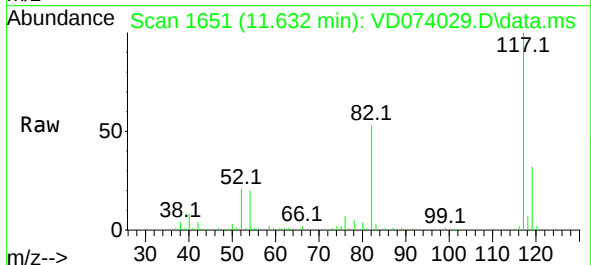
Instrument :
MSVOA_D
ClientSampleId :
S-5

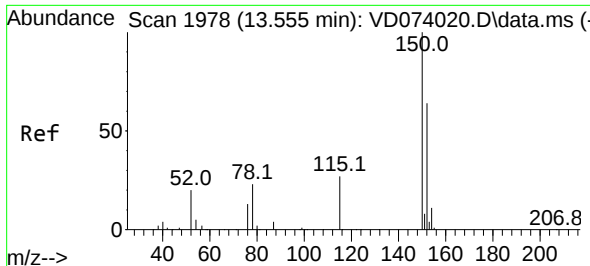
Tgt Ion: 95	Resp: 76178
Ion Ratio	Lower Upper
95 100	
174 80.8	0.0 162.6
176 75.7	0.0 160.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 1651
Delta R.T. -0.000 min
Lab File: VD074029.D
Acq: 10 Aug 2022 17:04

Tgt Ion: 117	Resp: 191731
Ion Ratio	Lower Upper
117 100	
82 53.1	42.7 64.1
119 32.2	25.8 38.8

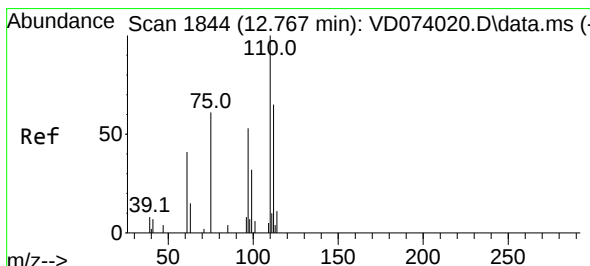
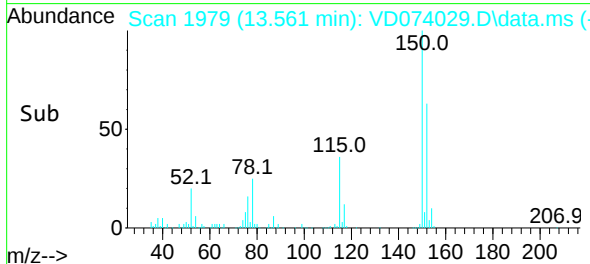
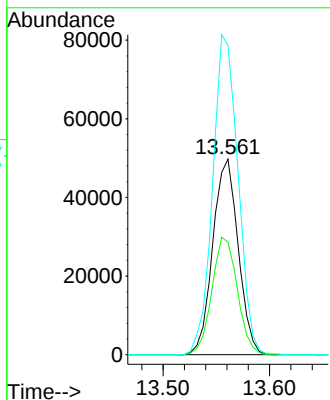
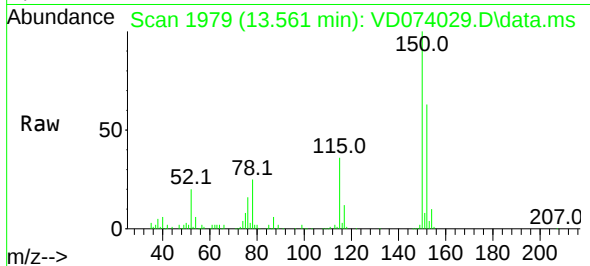




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.561 min Scan# 1819
 Delta R.T. 0.006 min
 Lab File: VD074029.D
 Acq: 10 Aug 2022 17:04

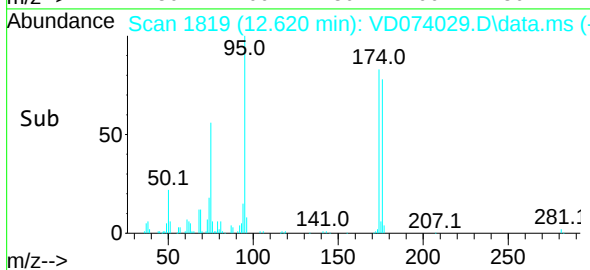
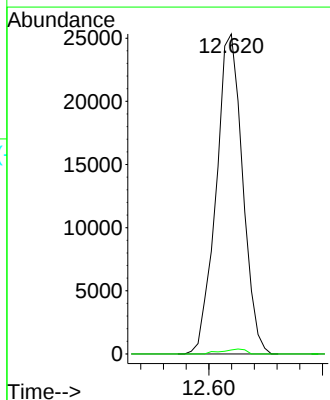
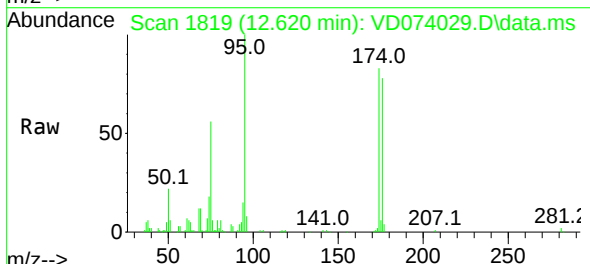
Instrument :
 MSVOA_D
 ClientSampleId :
 S-5

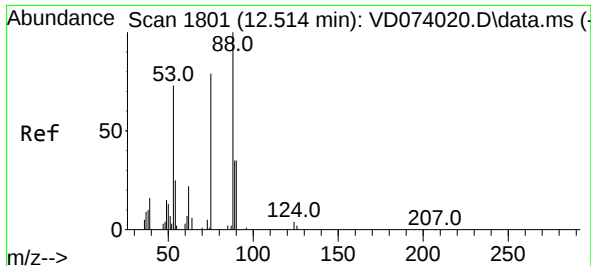
Tgt Ion:152 Resp: 82471
 Ion Ratio Lower Upper
 152 100
 115 60.0 29.9 89.8
 150 163.2 0.0 342.8



#76
 1,2,3-Trichloropropane
 Concen: 54.488 ug/l
 RT: 12.620 min Scan# 1819
 Delta R.T. -0.147 min
 Lab File: VD074029.D
 Acq: 10 Aug 2022 17:04

Tgt Ion: 75 Resp: 41028
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#

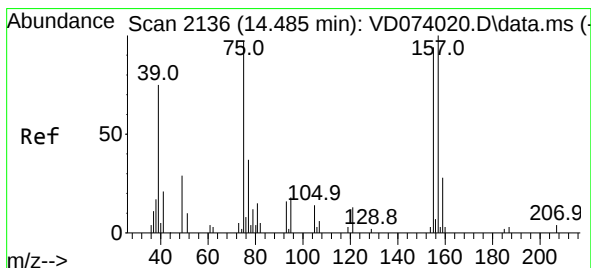
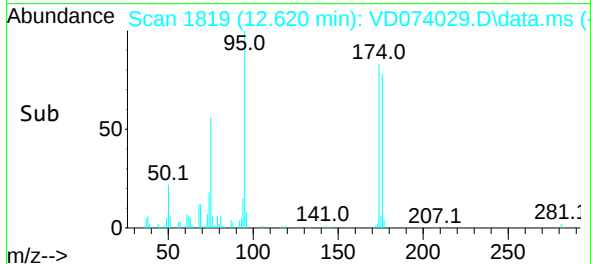
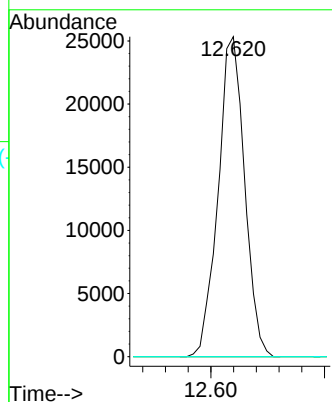
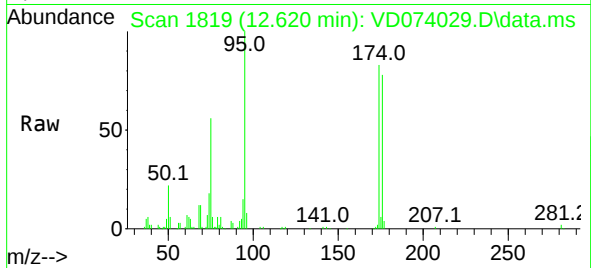




#81
trans-1,4-Dichloro-2-butene
Concen: 145.428 ug/l
RT: 12.620 min Scan# 11
Delta R.T. 0.106 min
Lab File: VD074029.D
Acq: 10 Aug 2022 17:04

Instrument :
MSVOA_D
ClientSampleId :
S-5

Tgt Ion: 75 Resp: 41028
Ion Ratio Lower Upper
75 100
53 0.0 71.3 106.9#
89 0.0 38.3 57.5#



#92
1,2-Dibromo-3-Chloropropane
Concen: Below Cal
RT: 14.473 min Scan# 2134
Delta R.T. -0.012 min
Lab File: VD074029.D
Acq: 10 Aug 2022 17:04

Tgt Ion: 75 Resp: 58
Ion Ratio Lower Upper
75 100
155 0.0 41.5 124.6#
157 0.0 55.2 165.6#

