

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051822\
 Data File : VD073097.D
 Acq On : 18 May 2022 14:19
 Operator : VA/SY
 Sample : N2824-02
 Misc : 5.09G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 COM-2

Quant Time: May 19 04:44:01 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051722S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 18 04:58:34 2022
 Response via : Initial Calibration

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

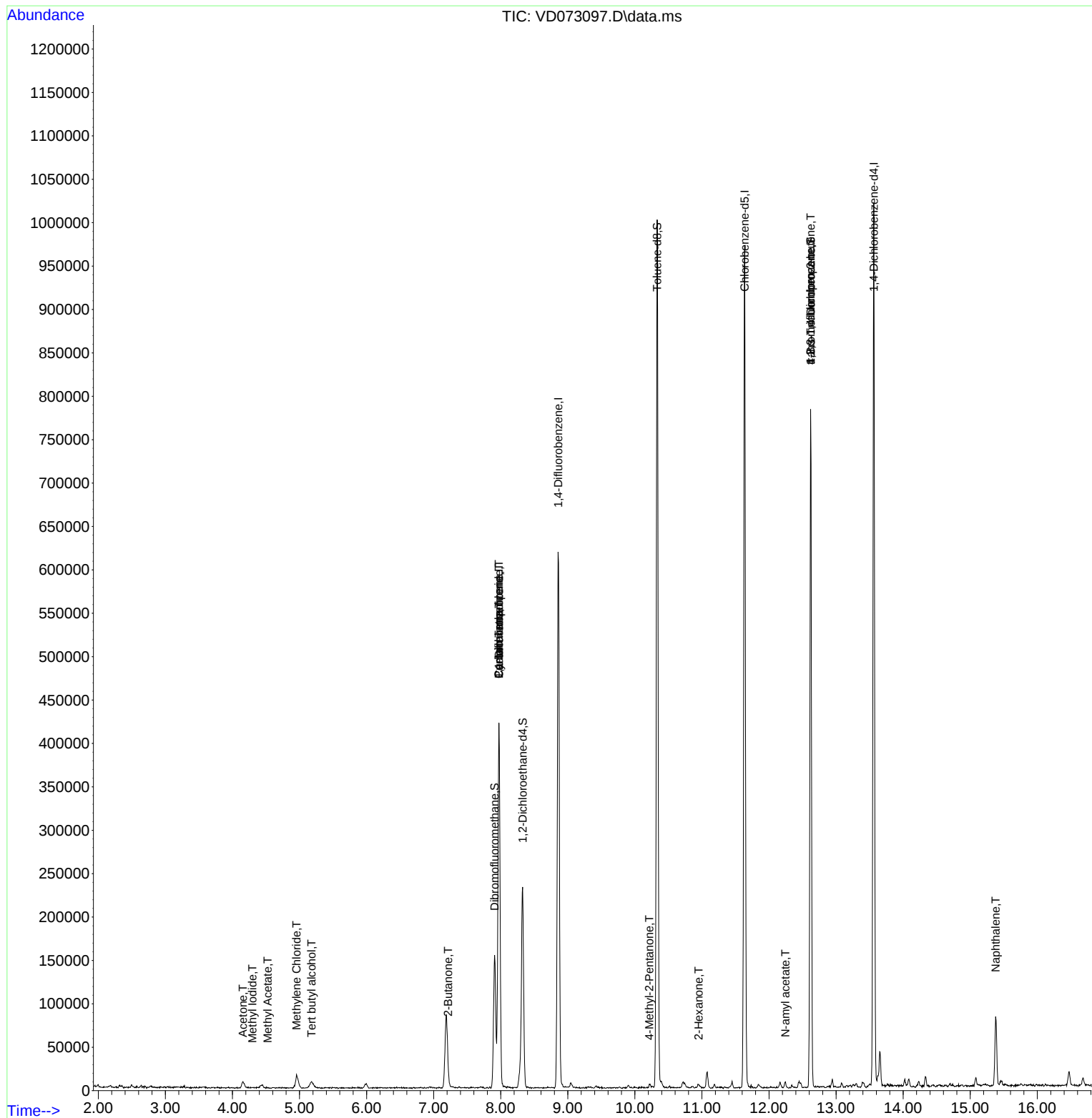
Internal Standards						
1) Pentafluorobenzene	7.973	168	301850	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	543651	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	564831	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	262860	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	177661	47.064	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	94.120%		
35) Dibromofluoromethane	7.908	113	111251	29.146	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	58.300%		
50) Toluene-d8	10.332	98	672169	48.541	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	97.080%		
62) 4-Bromofluorobenzene	12.620	95	250332	49.912	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	99.820%		
Target Compounds						Qvalue
10) Methyl Iodide	4.297	142	1099	4.503	ug/l #	44
11) Tert butyl alcohol	5.179	59	8048	13.784	ug/l #	74
16) Acetone	4.156	43	12471	18.256	ug/l	98
18) Methyl Acetate	4.526	43	70	1.493	ug/l #	55
20) Methylene Chloride	4.956	84	9573	1.931	ug/l #	77
25) 2-Butanone	7.214	43	6516	6.299	ug/l #	88
31) Cyclohexane	7.973	56	7501	1.103	ug/l #	30
36) 1,1-Dichloropropene	7.973	75	25776	4.144	ug/l #	52
38) Carbon Tetrachloride	7.973	117	32077	5.041	ug/l #	19
51) 4-Methyl-2-Pentanone	10.214	43	3643	1.437	ug/l #	85
59) 2-Hexanone	10.949	43	4122	2.462	ug/l #	27
74) N-amyl acetate	12.244	43	4743	1.019	ug/l #	52
76) 1,2,3-Trichloropropane	12.620	75	127055	42.758	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	127055	102.525	ug/l #	7
95) Naphthalene	15.379	128	72030	10.694	ug/l	99

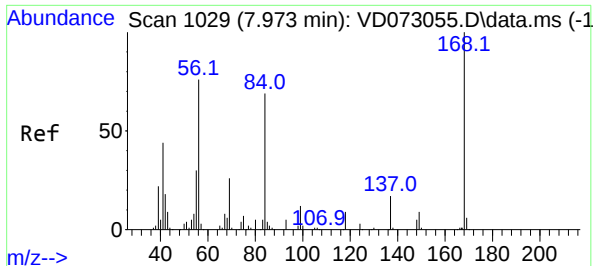
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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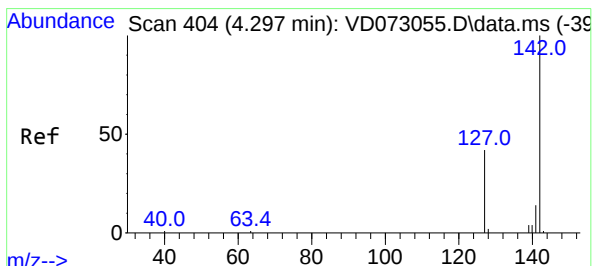
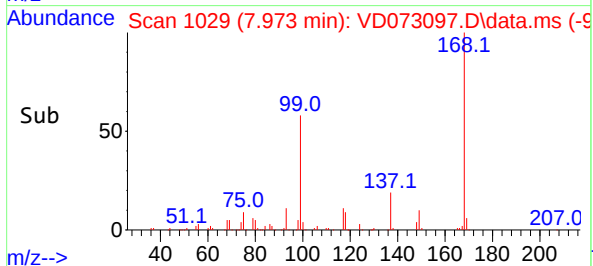
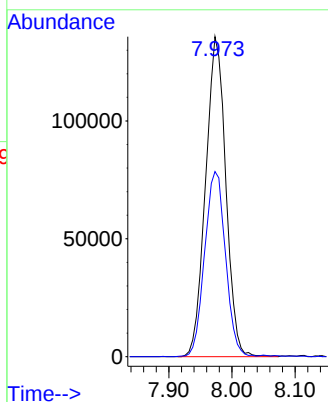
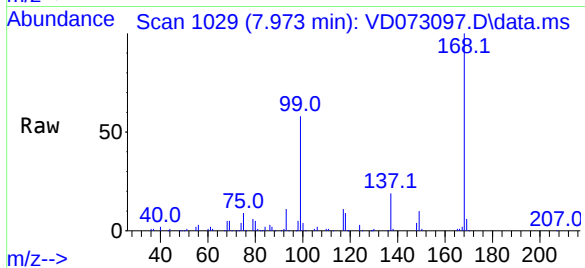




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD073097.D
Acq: 18 May 2022 14:19

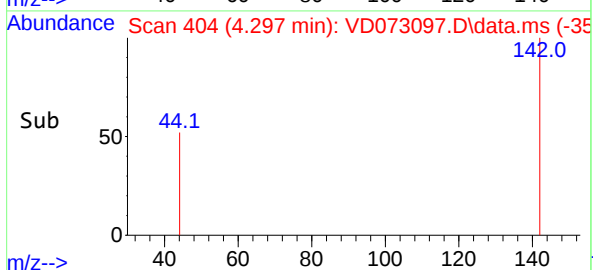
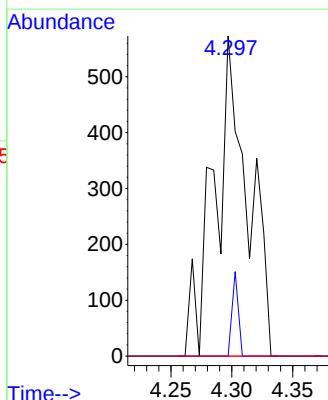
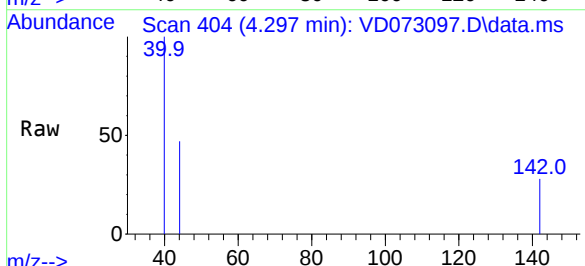
Instrument :
MSVOA_D
ClientSampleId :
COM-2

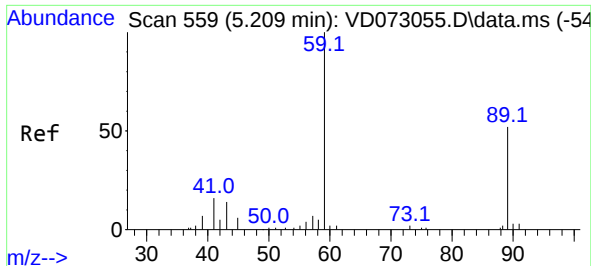
Tgt Ion:168 Resp: 301850
Ion Ratio Lower Upper
168 100
99 57.7 49.8 74.6



#10
Methyl Iodide
Concen: 4.503 ug/l
RT: 4.297 min Scan# 404
Delta R.T. -0.000 min
Lab File: VD073097.D
Acq: 18 May 2022 14:19

Tgt Ion:142 Resp: 1099
Ion Ratio Lower Upper
142 100
127 4.8 37.3 55.9#
141 0.0 11.7 17.5#

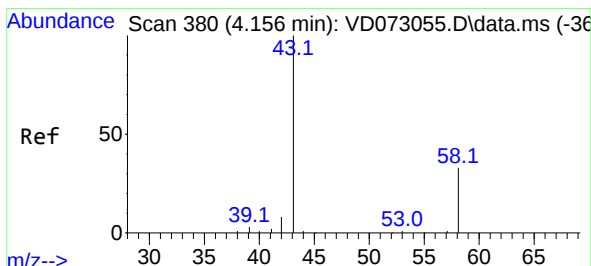
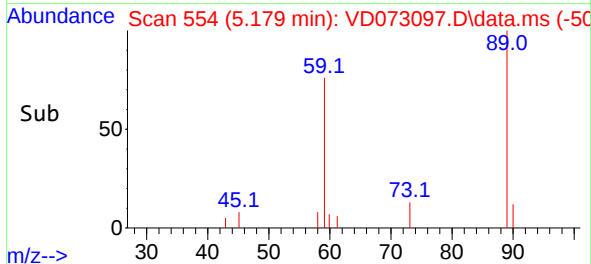
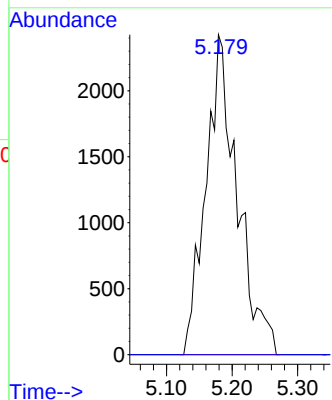
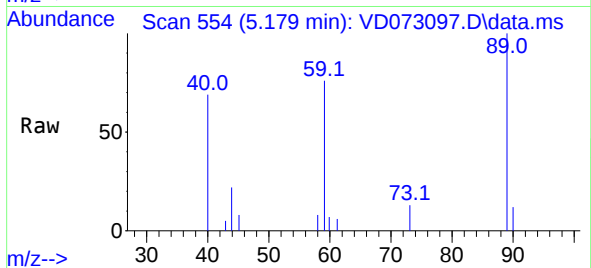




#11
Tert butyl alcohol
Concen: 13.784 ug/l
RT: 5.179 min Scan# 51
Delta R.T. -0.030 min
Lab File: VD073097.D
Acq: 18 May 2022 14:19

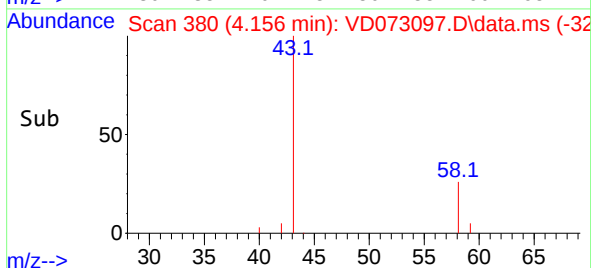
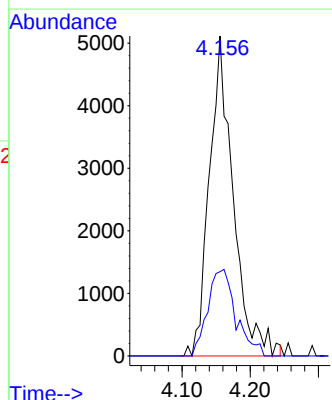
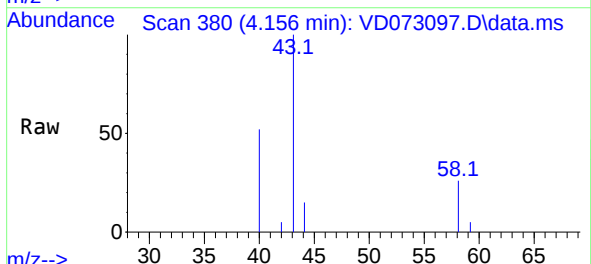
Instrument :
MSVOA_D
ClientSampleId :
COM-2

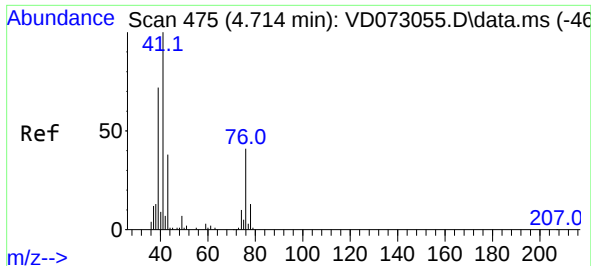
Tgt Ion: 59 Resp: 8048
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#



#16
Acetone
Concen: 18.256 ug/l
RT: 4.156 min Scan# 380
Delta R.T. 0.000 min
Lab File: VD073097.D
Acq: 18 May 2022 14:19

Tgt Ion: 43 Resp: 12471
Ion Ratio Lower Upper
43 100
58 26.3 22.1 33.1

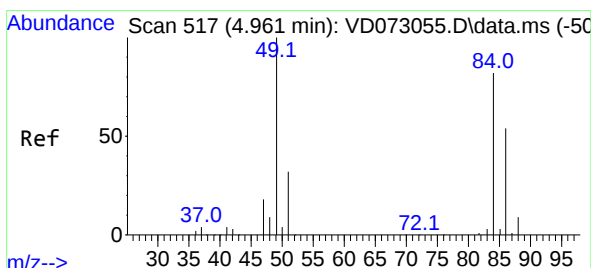
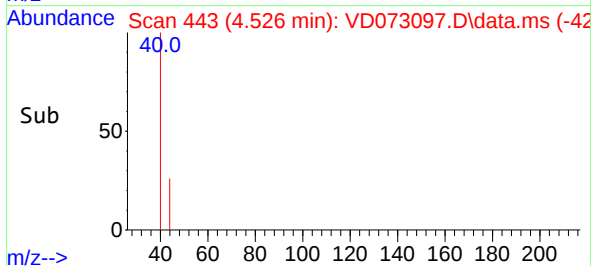
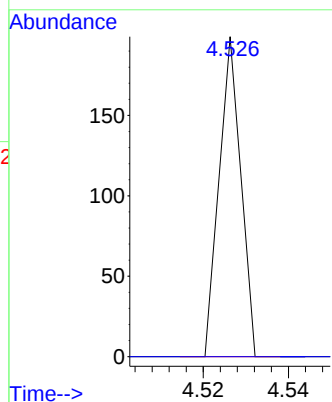
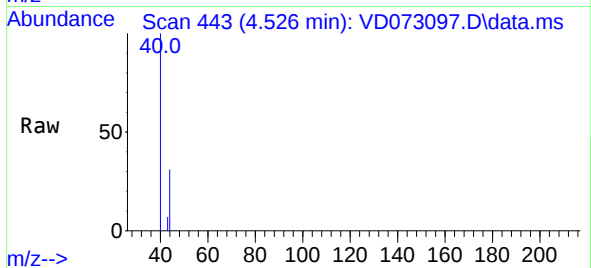




#18
Methyl Acetate
Concen: 1.493 ug/l
RT: 4.526 min Scan# 443
Delta R.T. -0.188 min
Lab File: VD073097.D
Acq: 18 May 2022 14:19

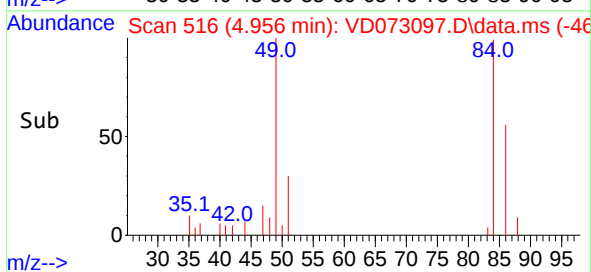
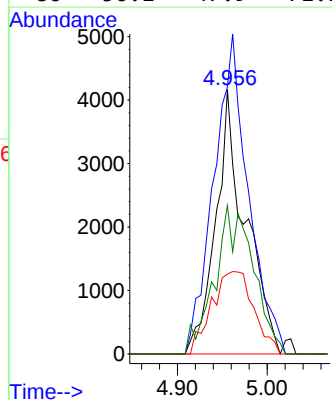
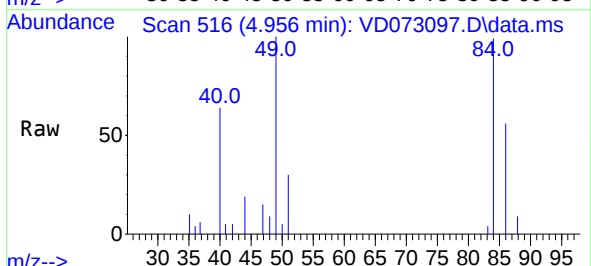
Instrument :
MSVOA_D
ClientSampleId :
COM-2

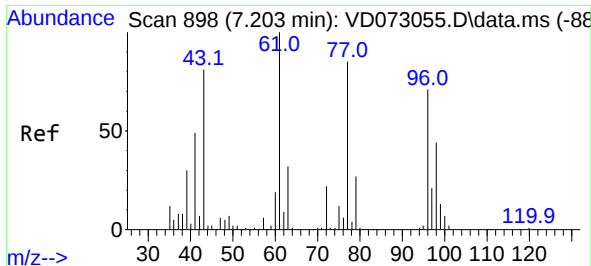
Tgt Ion: 43 Resp: 70
Ion Ratio Lower Upper
43 100
74 0.0 16.7 25.1#



#20
Methylene Chloride
Concen: 1.931 ug/l
RT: 4.956 min Scan# 516
Delta R.T. -0.006 min
Lab File: VD073097.D
Acq: 18 May 2022 14:19

Tgt Ion: 84 Resp: 9573
Ion Ratio Lower Upper
84 100
49 100.9 112.8 169.2#
51 30.2 32.6 48.8#
86 56.1 47.9 71.9

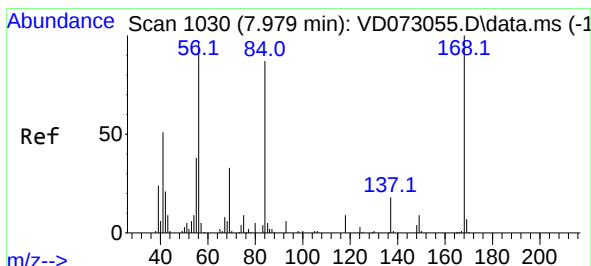
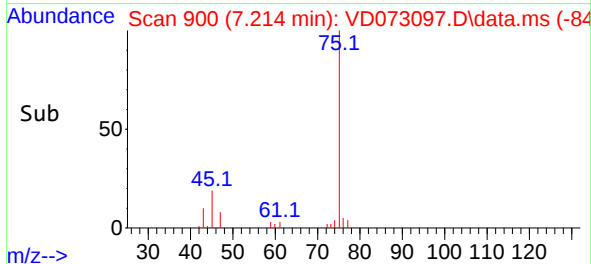
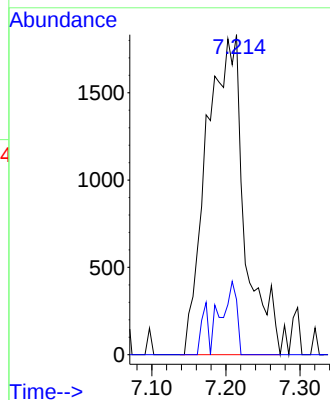
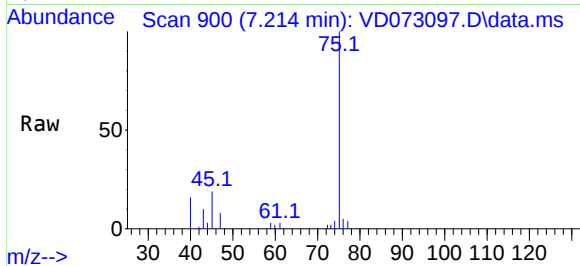




#25
2-Butanone
Concen: 6.299 ug/l
RT: 7.214 min Scan# 90
Delta R.T. 0.012 min
Lab File: VD073097.D
Acq: 18 May 2022 14:19

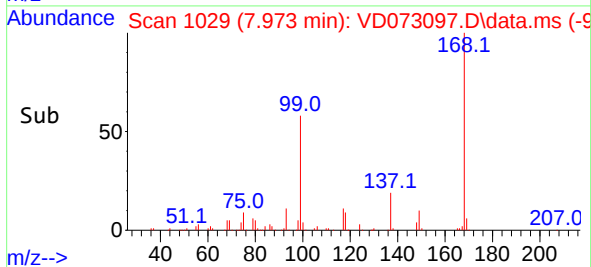
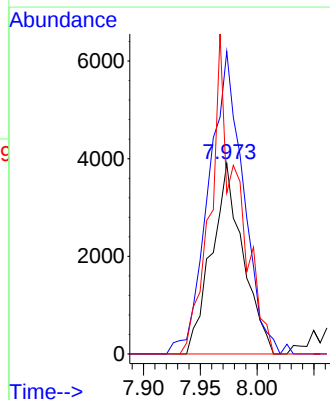
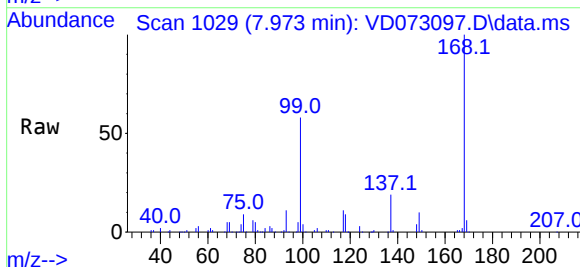
Instrument :
MSVOA_D
ClientSampleId :
COM-2

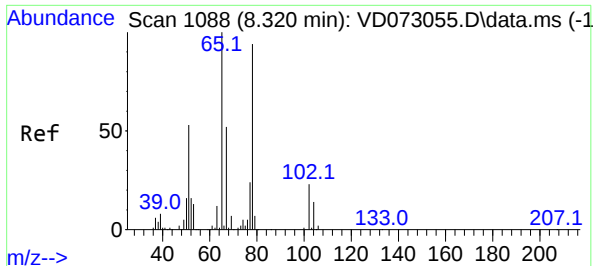
Tgt Ion: 43 Resp: 6516
Ion Ratio Lower Upper
43 100
72 17.2 18.6 27.8#



#31
Cyclohexane
Concen: 1.103 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.006 min
Lab File: VD073097.D
Acq: 18 May 2022 14:19

Tgt Ion: 56 Resp: 7501
Ion Ratio Lower Upper
56 100
69 158.7 25.4 38.2#
84 84.4 63.0 94.4

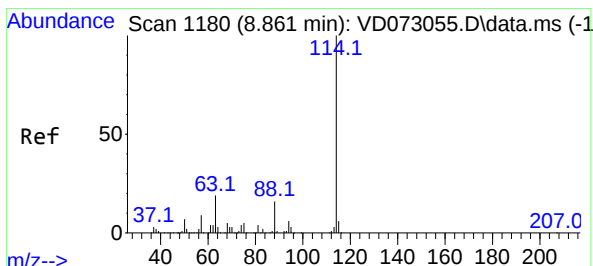
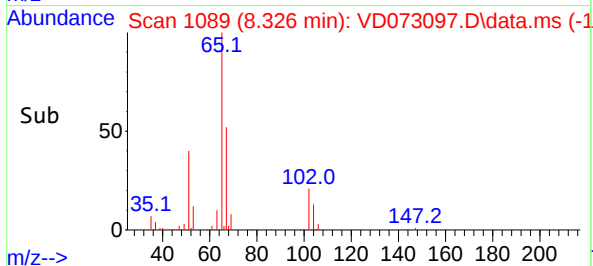
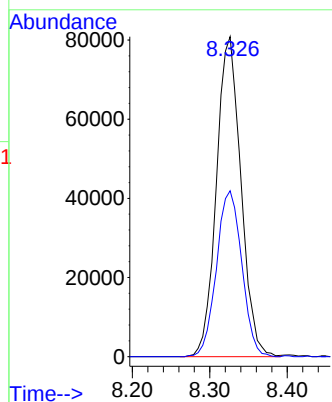
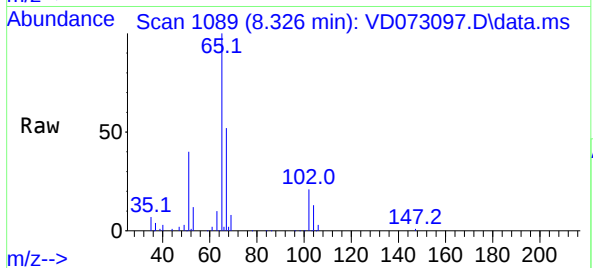




#33
1,2-Dichloroethane-d4
Concen: 47.064 ug/l
RT: 8.326 min Scan# 1107
Delta R.T. 0.006 min
Lab File: VD073097.D
Acq: 18 May 2022 14:19

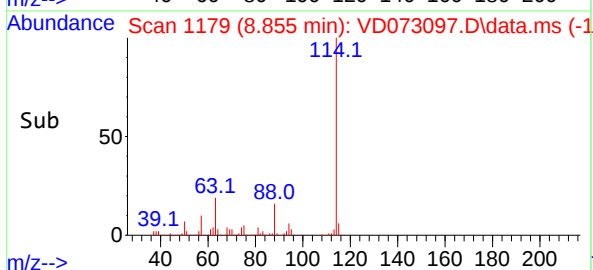
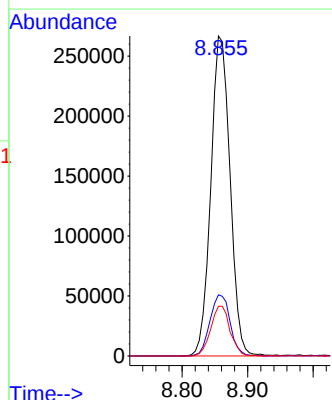
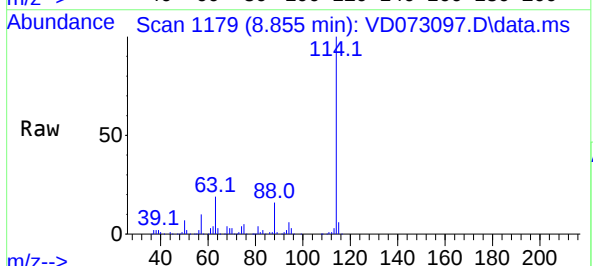
Instrument :
MSVOA_D
ClientSampleId :
COM-2

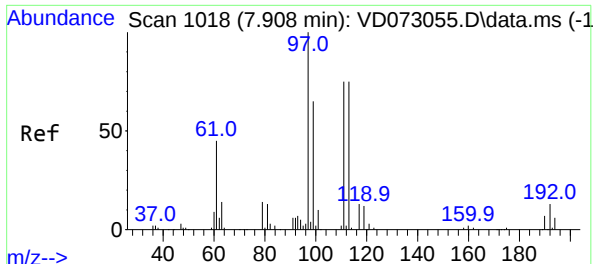
Tgt Ion: 65 Resp: 177661
Ion Ratio Lower Upper
65 100
67 53.6 0.0 101.4



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.855 min Scan# 1179
Delta R.T. -0.006 min
Lab File: VD073097.D
Acq: 18 May 2022 14:19

Tgt Ion: 114 Resp: 543651
Ion Ratio Lower Upper
114 100
63 19.1 0.0 46.6
88 15.5 0.0 33.2

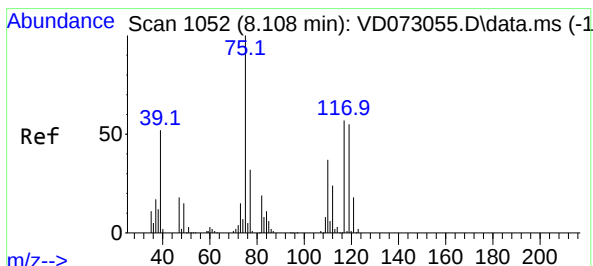
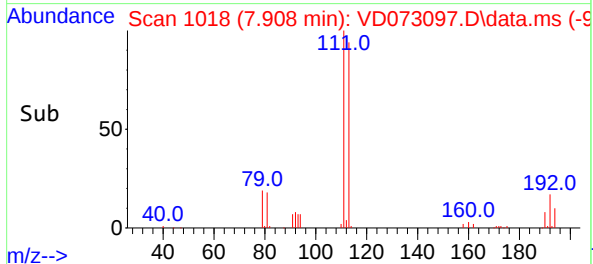
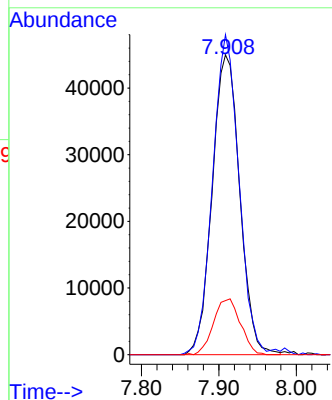
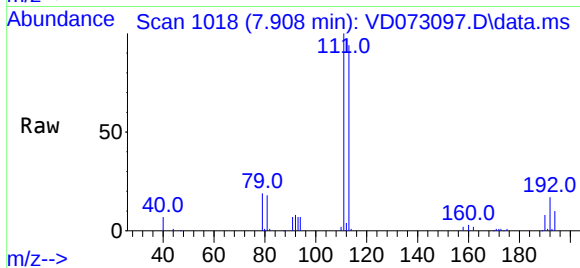




#35
Dibromofluoromethane
Concen: 29.146 ug/l
RT: 7.908 min Scan# 1018
Delta R.T. 0.000 min
Lab File: VD073097.D
Acq: 18 May 2022 14:19

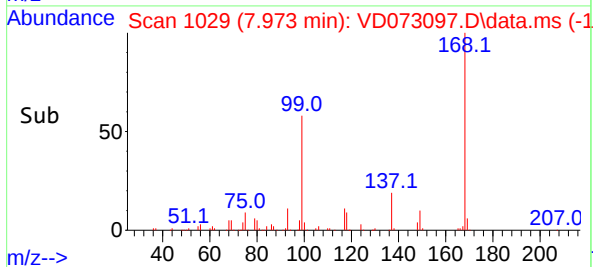
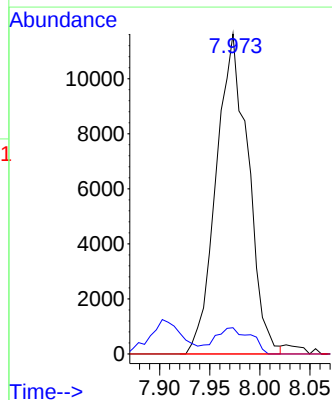
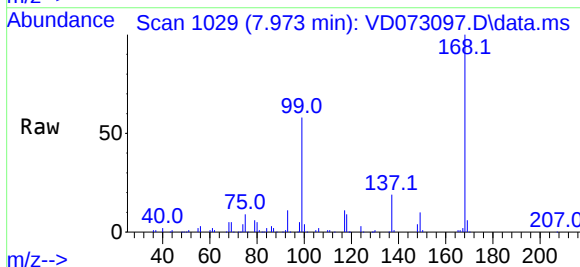
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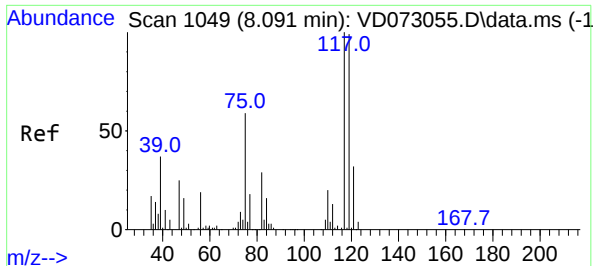
Tgt Ion:113 Resp: 111251
Ion Ratio Lower Upper
113 100
111 101.7 83.8 125.6
192 18.2 14.6 21.8



#36
1,1-Dichloropropene
Concen: 4.144 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.135 min
Lab File: VD073097.D
Acq: 18 May 2022 14:19

Tgt Ion: 75 Resp: 25776
Ion Ratio Lower Upper
75 100
110 9.3 16.4 49.1#
77 0.0 24.2 36.2#

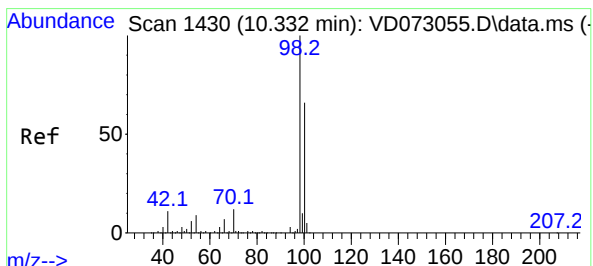
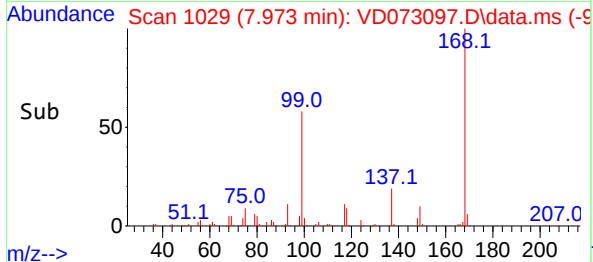
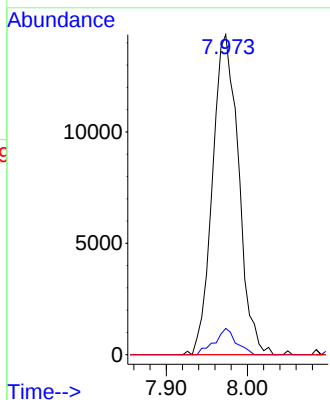
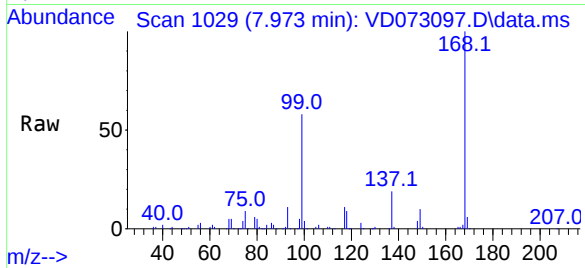




#38
Carbon Tetrachloride
Concen: 5.041 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.118 min
Lab File: VD073097.D
Acq: 18 May 2022 14:19

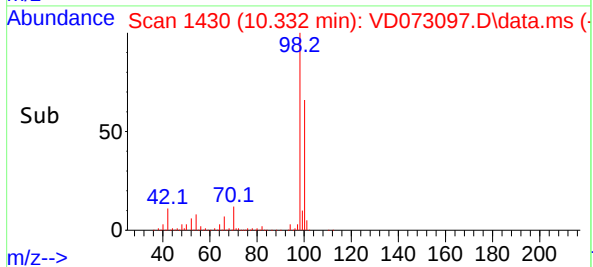
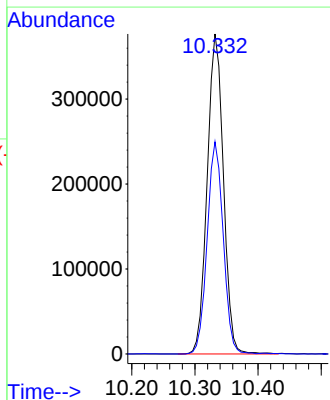
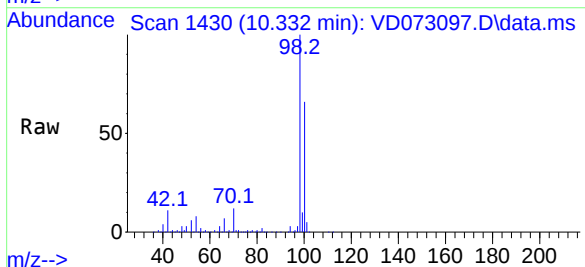
Instrument :
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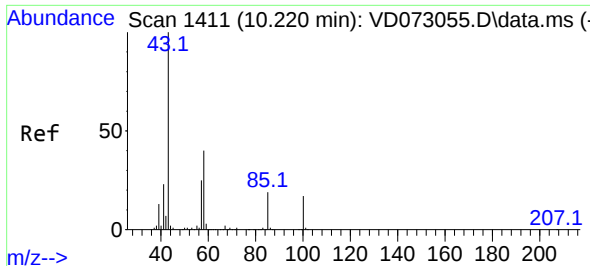
Tgt Ion:117 Resp: 32077
Ion Ratio Lower Upper
117 100
119 8.2 75.8 113.6#
121 0.0 24.5 36.7#



#50
Toluene-d8
Concen: 48.541 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VD073097.D
Acq: 18 May 2022 14:19

Tgt Ion: 98 Resp: 672169
Ion Ratio Lower Upper
98 100
100 65.5 52.4 78.6





#51

4-Methyl-2-Pentanone

Concen: 1.437 ug/l

RT: 10.214 min Scan# 1410

Delta R.T. -0.006 min

Lab File: VD073097.D

Acq: 18 May 2022 14:19

Instrument :

MSVOA_D

ClientSampleId :

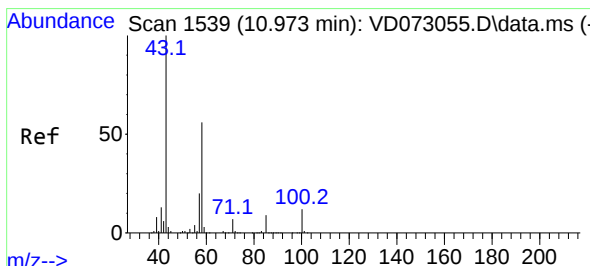
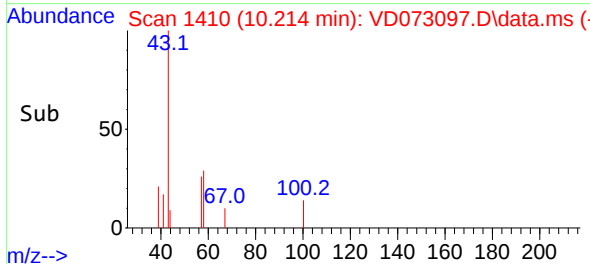
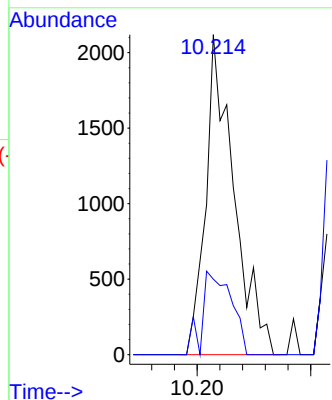
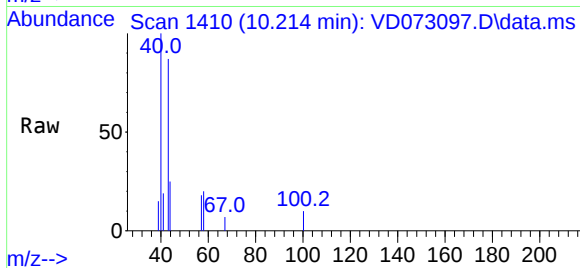
COM-2

Tgt Ion: 43 Resp: 3643

Ion Ratio Lower Upper

43 100

58 27.0 28.6 43.0#



#59

2-Hexanone

Concen: 2.462 ug/l

RT: 10.949 min Scan# 1535

Delta R.T. -0.023 min

Lab File: VD073097.D

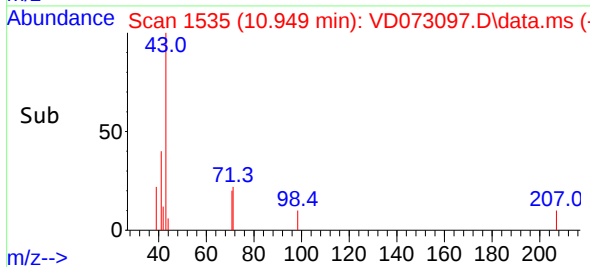
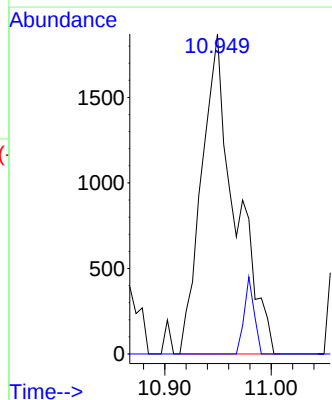
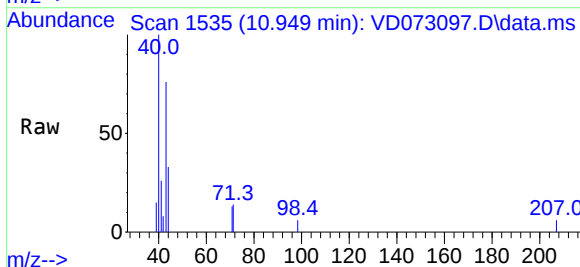
Acq: 18 May 2022 14:19

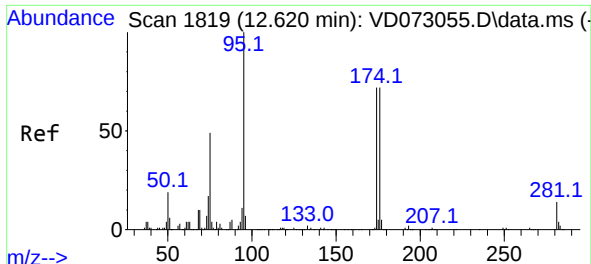
Tgt Ion: 43 Resp: 4122

Ion Ratio Lower Upper

43 100

58 0.0 25.3 75.9#

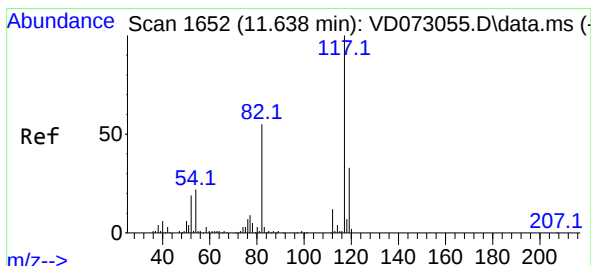
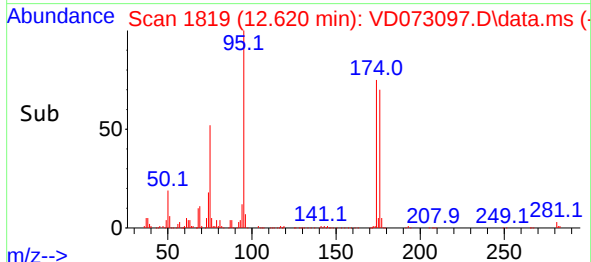
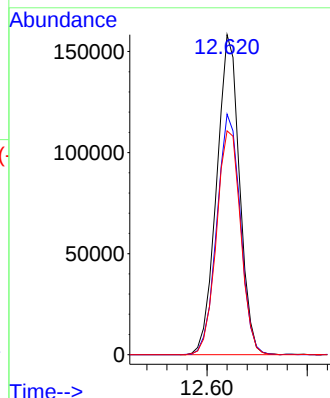
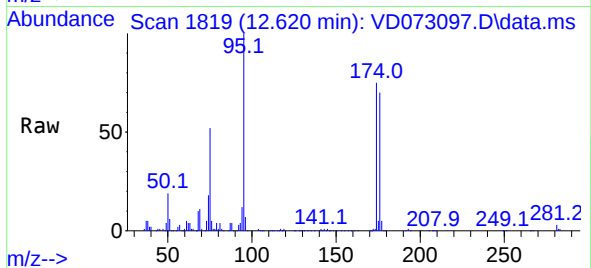




#62
4-Bromofluorobenzene
Concen: 49.912 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD073097.D
Acq: 18 May 2022 14:19

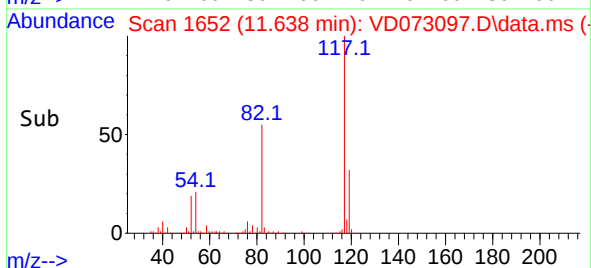
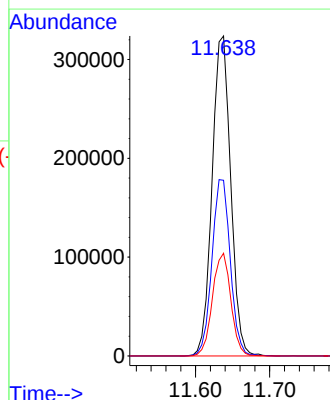
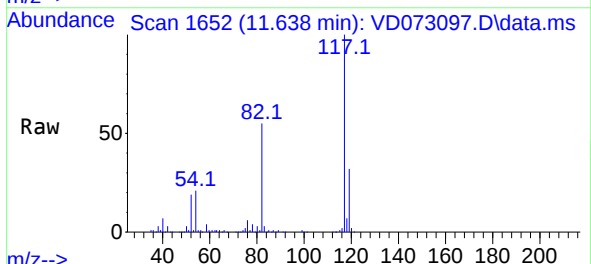
Instrument :
MSVOA_D
ClientSampleId :
COM-2

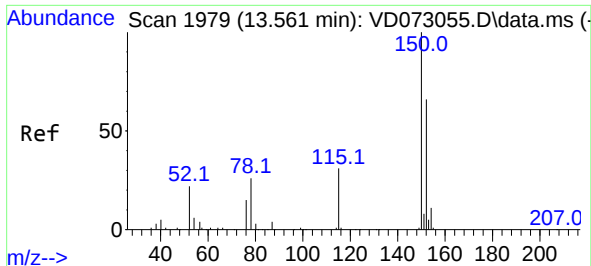
Tgt Ion: 95 Resp: 250332
Ion Ratio Lower Upper
95 100
174 77.3 0.0 152.8
176 74.0 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD073097.D
Acq: 18 May 2022 14:19

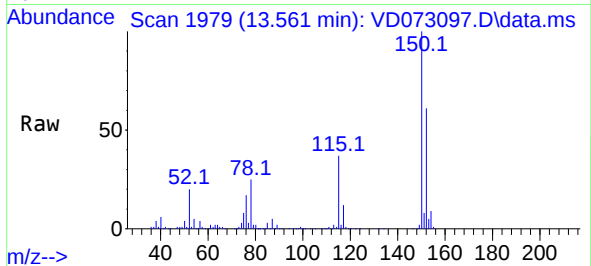
Tgt Ion: 117 Resp: 564831
Ion Ratio Lower Upper
117 100
82 54.9 45.3 67.9
119 32.1 26.6 40.0



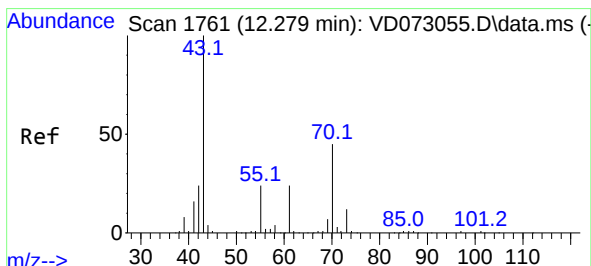
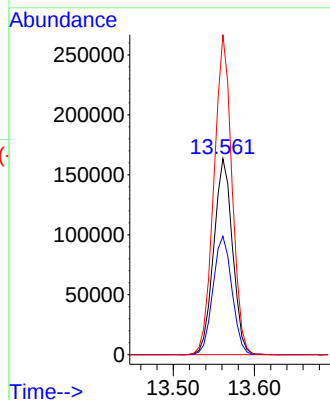
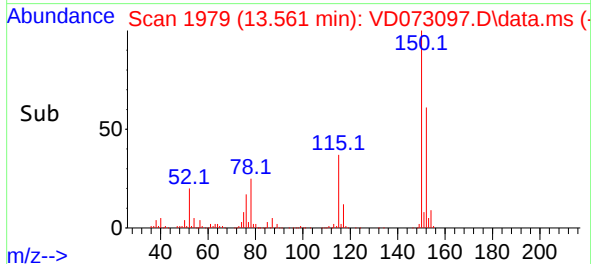


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1799
Delta R.T. 0.000 min
Lab File: VD073097.D
Acq: 18 May 2022 14:19

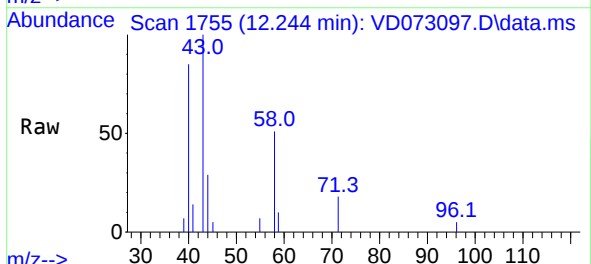
Instrument :
MSVOA_D
ClientSampleId :
COM-2



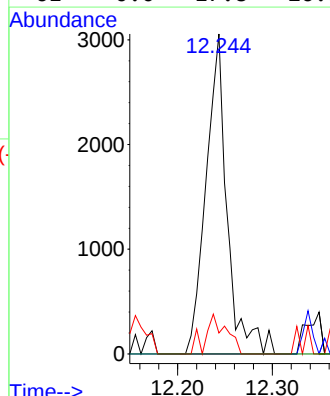
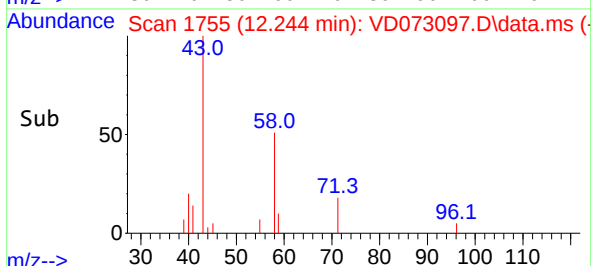
Tgt Ion:152 Resp: 262860
Ion Ratio Lower Upper
152 100
115 61.1 31.3 93.8
150 156.7 0.0 348.6

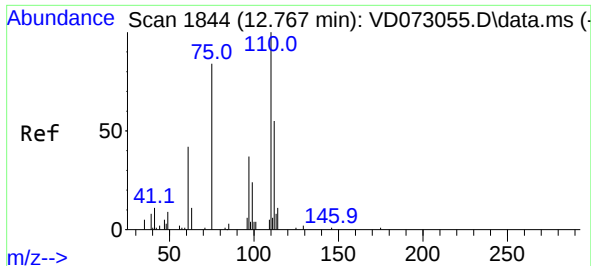


#74
N-ethyl acetate
Concen: 1.019 ug/l
RT: 12.244 min Scan# 1755
Delta R.T. -0.035 min
Lab File: VD073097.D
Acq: 18 May 2022 14:19



Tgt Ion: 43 Resp: 4743
Ion Ratio Lower Upper
43 100
70 0.0 31.3 46.9#
55 12.3 20.0 30.0#
61 0.0 17.8 26.8#

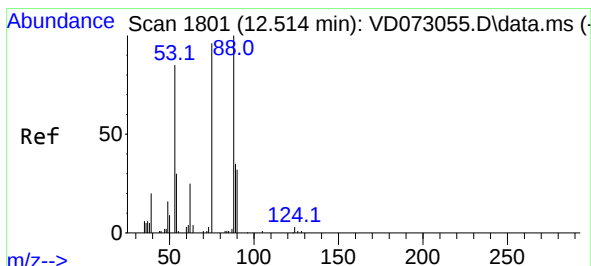
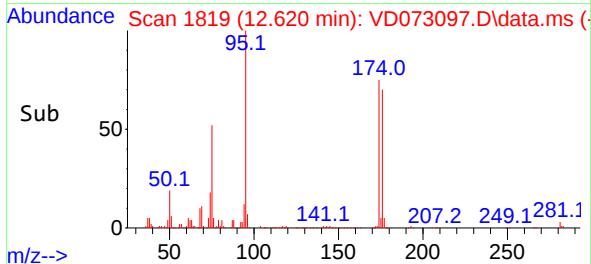
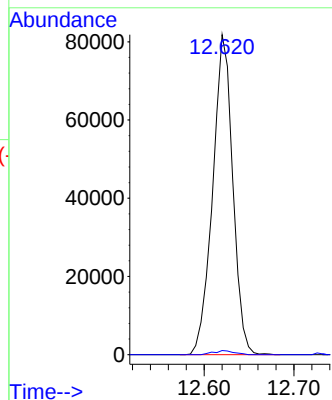
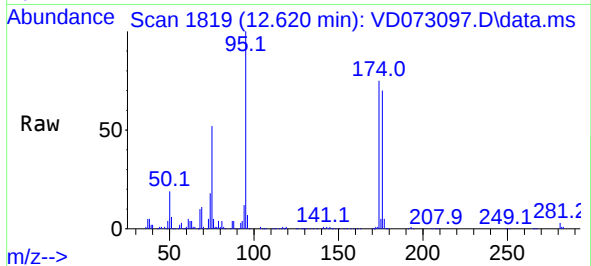




#76
1,2,3-Trichloropropane
Concen: 42.758 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.147 min
Lab File: VD073097.D
Acq: 18 May 2022 14:19

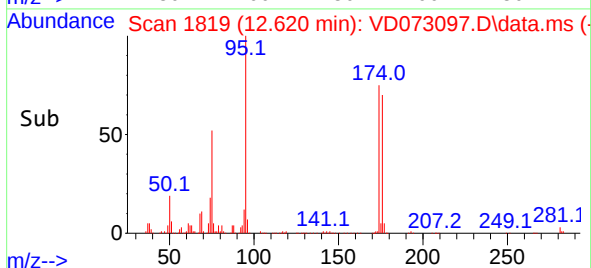
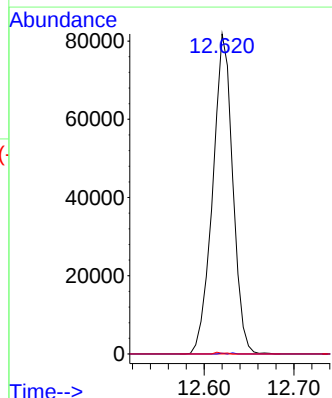
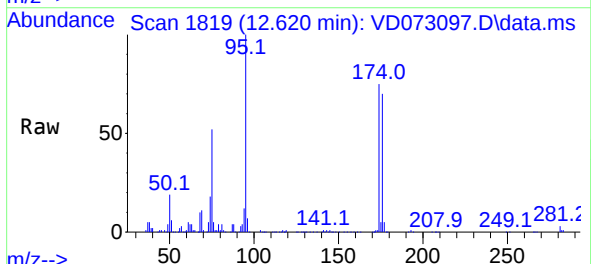
Instrument :
MSVOA_D
ClientSampleId :
COM-2

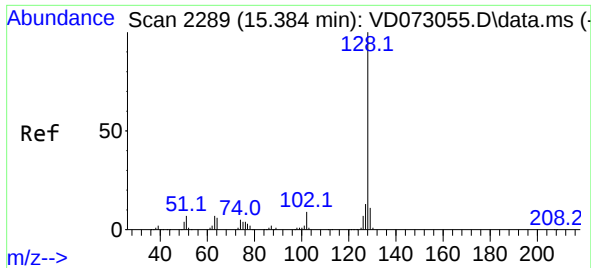
Tgt Ion: 75 Resp: 127055
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 102.525 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD073097.D
Acq: 18 May 2022 14:19

Tgt Ion: 75 Resp: 127055
Ion Ratio Lower Upper
75 100
53 0.1 86.5 129.7#
89 0.2 33.9 50.9#





#95

Naphthalene

Concen: 10.694 ug/l

RT: 15.379 min Scan# 21

Delta R.T. -0.005 min

Lab File: VD073097.D

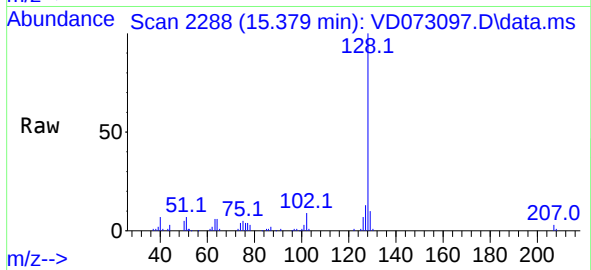
Acq: 18 May 2022 14:19

Instrument :

MSVOA_D

ClientSampleId :

COM-2



Tgt Ion:128 Resp: 72030

Ion Ratio Lower Upper

128 100

127 13.1 10.3 15.5

129 10.9 8.4 12.6

