

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051822\
 Data File : VD073117.D
 Acq On : 19 May 2022 01:49
 Operator : VA/SY
 Sample : N2816-24RE
 Misc : 6.11G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB14

Quant Time: May 19 04:54:52 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)

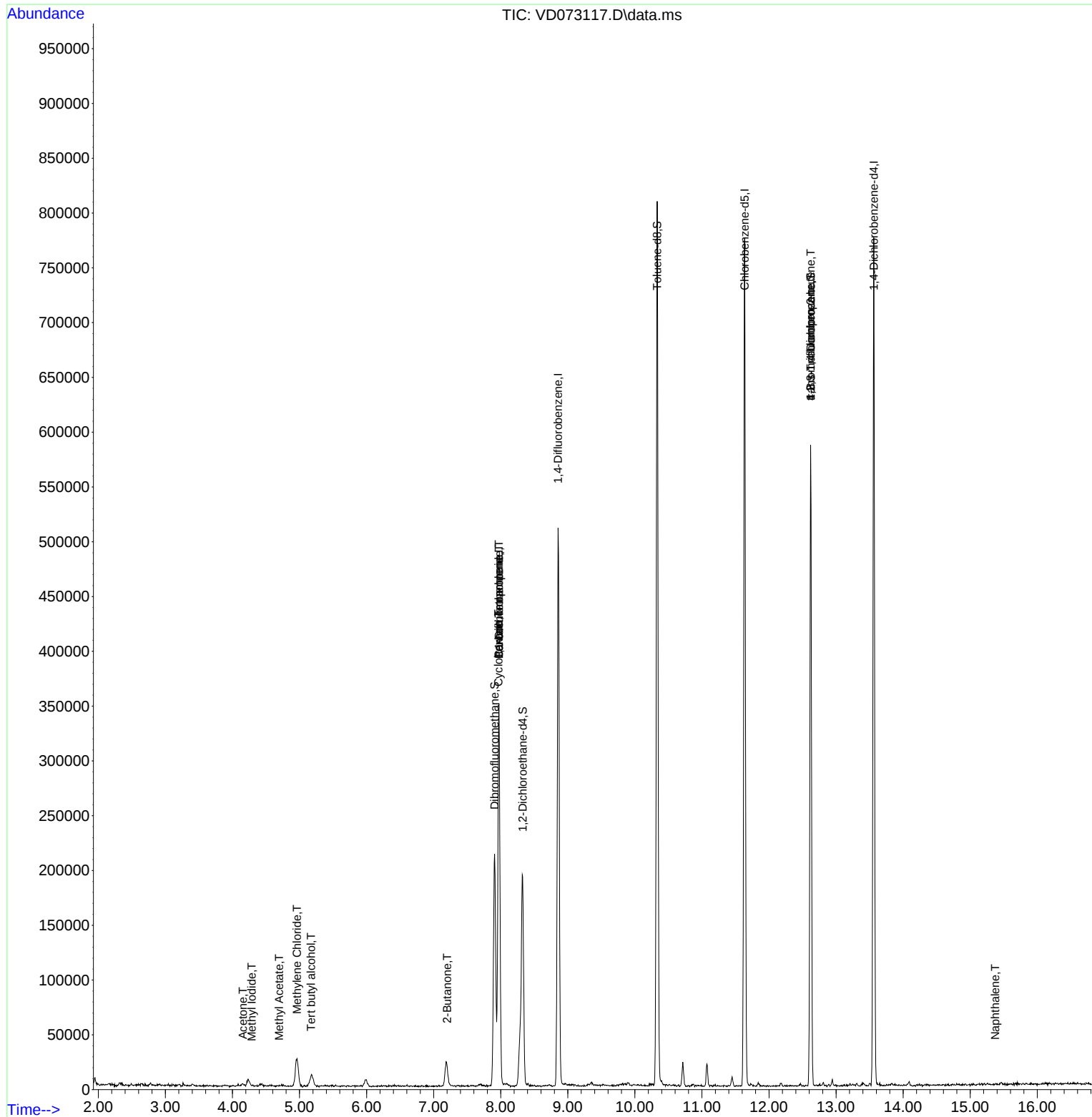
Internal Standards						
1) Pentafluorobenzene	7.973	168	245610	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.856	114	432560	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	449261	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	202908	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	153687	50.036	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 100.080%	
35) Dibromofluoromethane	7.909	113	153177	50.436	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 100.880%	
50) Toluene-d8	10.332	98	538281	48.855	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 97.720%	
62) 4-Bromofluorobenzene	12.620	95	191454	47.976	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 95.960%	
Target Compounds						Qvalue
10) Methyl Iodide	4.285	142	327	4.361	ug/l #	63
11) Tert butyl alcohol	5.173	59	9823	20.676	ug/l #	74
16) Acetone	4.156	43	3161	5.687	ug/l #	76
18) Methyl Acetate	4.697	43	56	1.492	ug/l #	55
20) Methylene Chloride	4.962	84	20726	5.138	ug/l	91
25) 2-Butanone	7.203	43	1099	1.306	ug/l #	52
31) Cyclohexane	7.967	56	6334	1.145	ug/l #	4
36) 1,1-Dichloropropene	7.973	75	21832	4.412	ug/l #	50
38) Carbon Tetrachloride	7.973	117	24760	4.891	ug/l #	17
76) 1,2,3-Trichloropropane	12.620	75	98140	42.786	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	98140	102.591	ug/l #	7
95) Naphthalene	15.373	128	458	4.313	ug/l #	70

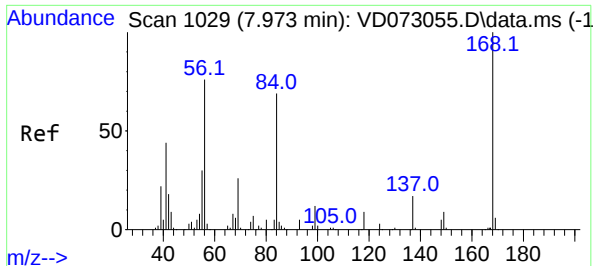
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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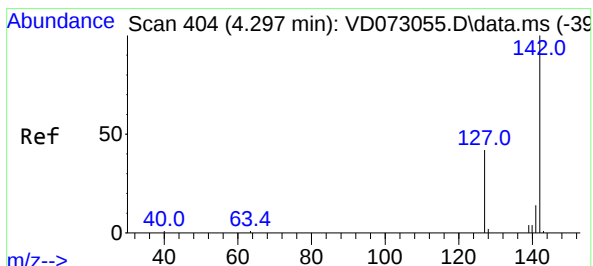
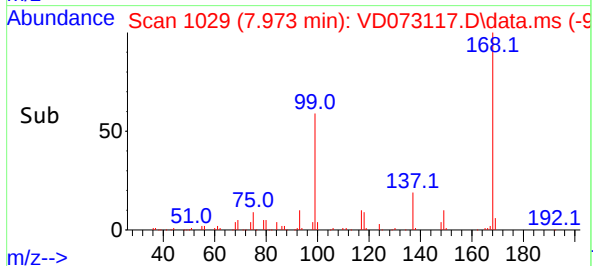
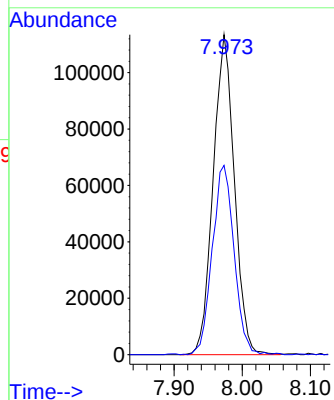
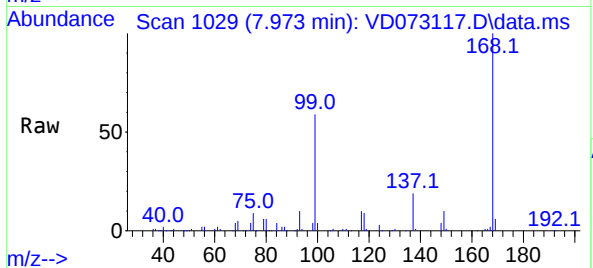




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD073117.D
Acq: 19 May 2022 01:49

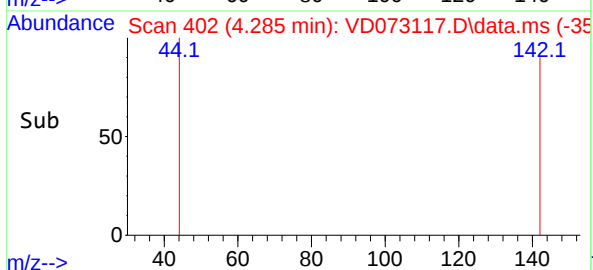
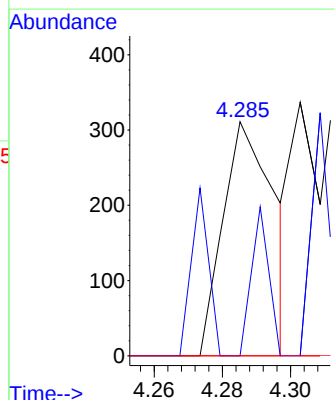
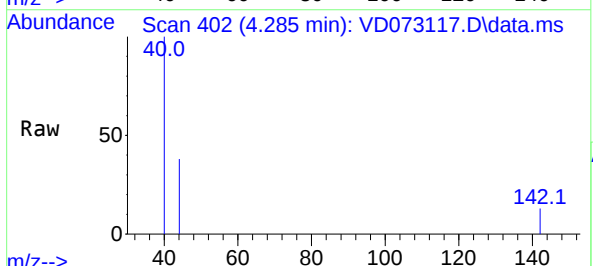
Instrument :
MSVOA_D
ClientSampleId :
SB14

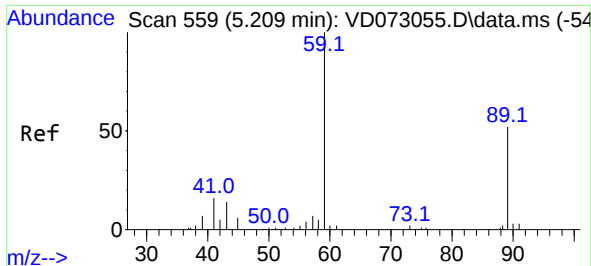
Tgt Ion:168 Resp: 245610
Ion Ratio Lower Upper
168 100
99 59.1 49.8 74.6



#10
Methyl Iodide
Concen: 4.361 ug/l
RT: 4.285 min Scan# 402
Delta R.T. -0.012 min
Lab File: VD073117.D
Acq: 19 May 2022 01:49

Tgt Ion:142 Resp: 327
Ion Ratio Lower Upper
142 100
127 21.4 37.3 55.9#
141 0.0 11.7 17.5#

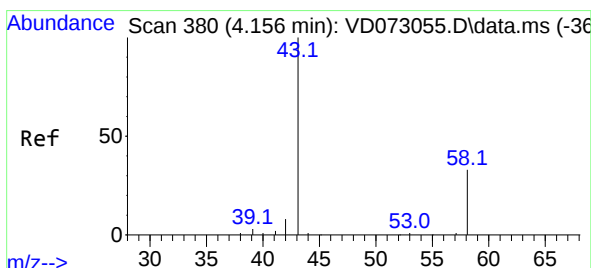
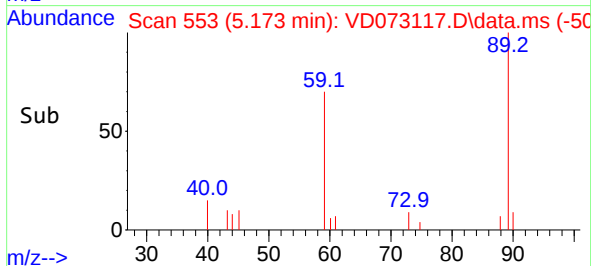
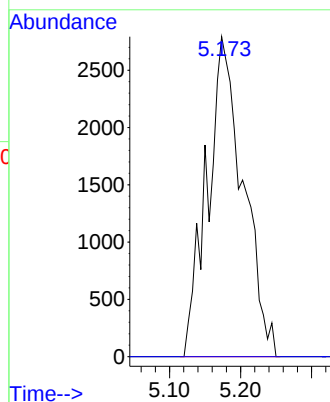
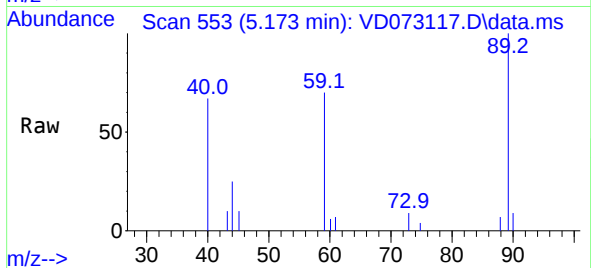




#11
Tert butyl alcohol
Concen: 20.676 ug/l
RT: 5.173 min Scan# 51
Delta R.T. -0.036 min
Lab File: VD073117.D
Acq: 19 May 2022 01:49

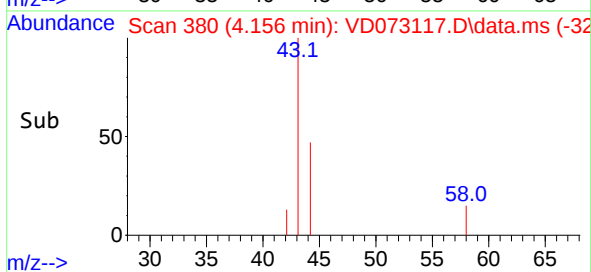
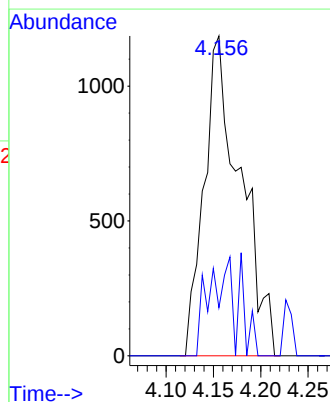
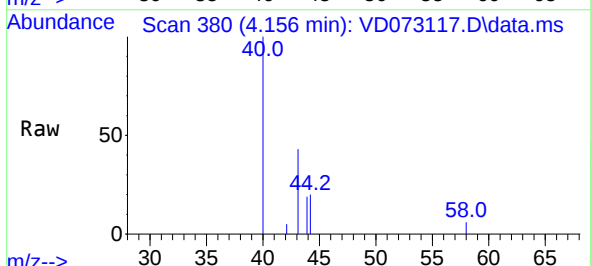
Instrument :
MSVOA_D
ClientSampleId :
SB14

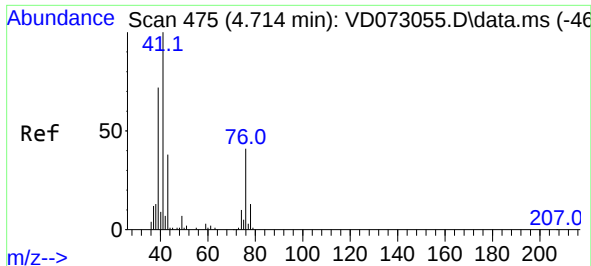
Tgt Ion: 59 Resp: 9823
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#



#16
Acetone
Concen: 5.687 ug/l
RT: 4.156 min Scan# 380
Delta R.T. 0.000 min
Lab File: VD073117.D
Acq: 19 May 2022 01:49

Tgt Ion: 43 Resp: 3161
Ion Ratio Lower Upper
43 100
58 15.1 22.1 33.1#





#18

Methyl Acetate

Concen: 1.492 ug/l

RT: 4.697 min Scan# 41

Delta R.T. -0.017 min

Lab File: VD073117.D

Acq: 19 May 2022 01:49

Instrument :

MSVOA_D

ClientSampleId :

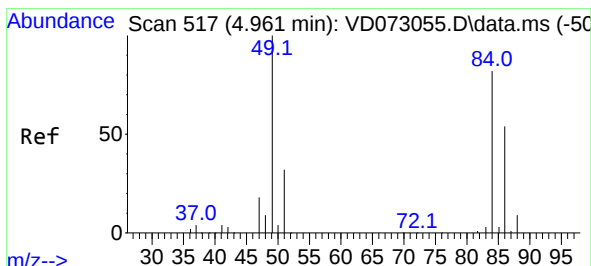
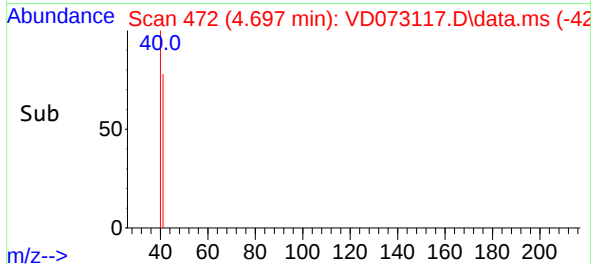
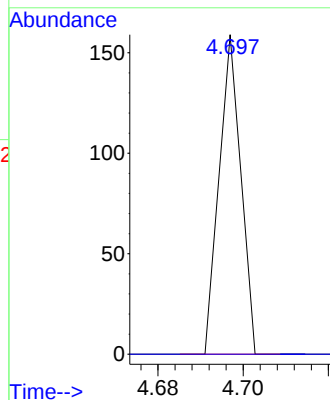
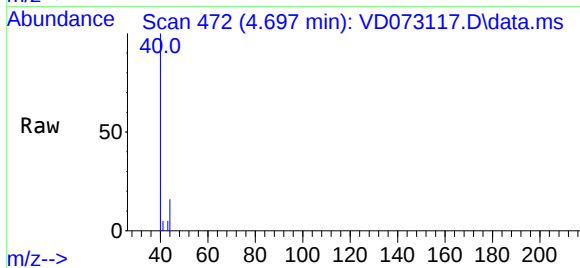
SB14

Tgt Ion: 43 Resp: 56

Ion Ratio Lower Upper

43 100

74 0.0 16.7 25.1#



#20

Methylene Chloride

Concen: 5.138 ug/l

RT: 4.962 min Scan# 517

Delta R.T. 0.000 min

Lab File: VD073117.D

Acq: 19 May 2022 01:49

Tgt Ion: 84 Resp: 20726

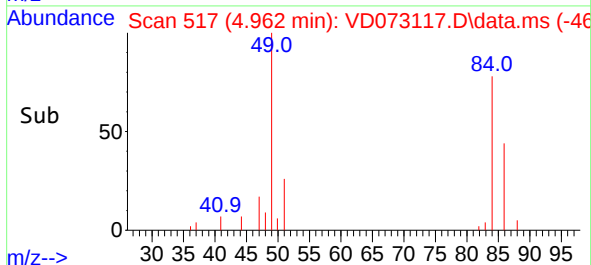
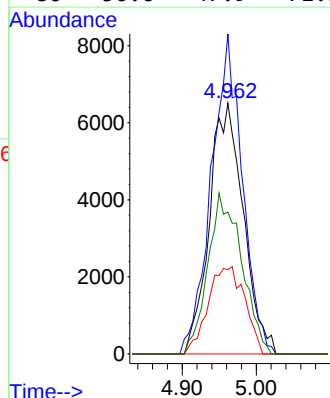
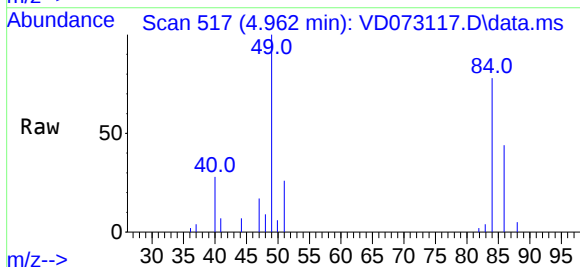
Ion Ratio Lower Upper

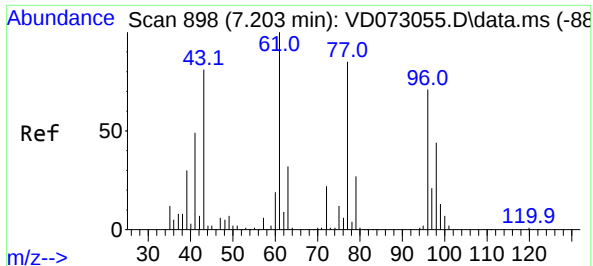
84 100

49 127.6 112.8 169.2

51 33.6 32.6 48.8

86 56.6 47.9 71.9





#25

2-Butanone

Concen: 1.306 ug/l

RT: 7.203 min Scan# 89

Delta R.T. 0.000 min

Lab File: VD073117.D

Acq: 19 May 2022 01:49

Instrument :

MSVOA_D

ClientSampleId :

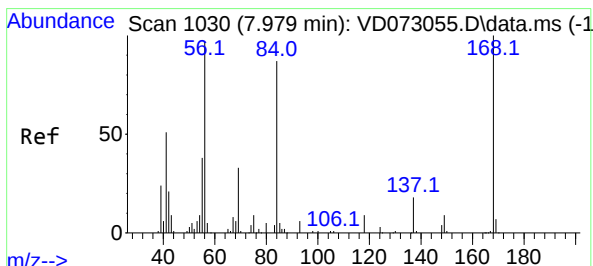
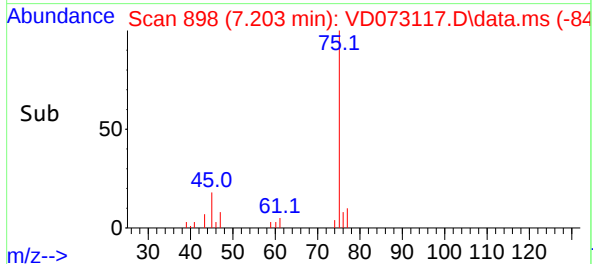
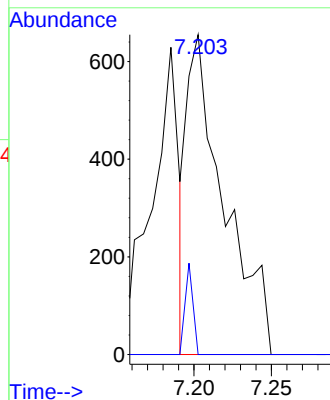
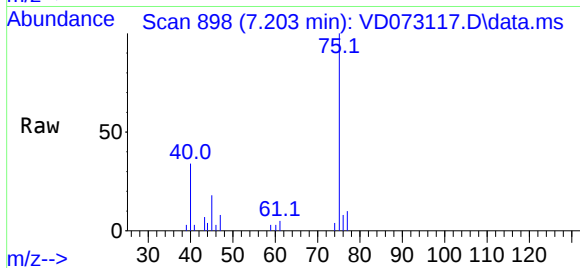
SB14

Tgt Ion: 43 Resp: 1099

Ion Ratio Lower Upper

43 100

72 0.0 18.6 27.8#



#31

Cyclohexane

Concen: 1.145 ug/l

RT: 7.967 min Scan# 1028

Delta R.T. -0.012 min

Lab File: VD073117.D

Acq: 19 May 2022 01:49

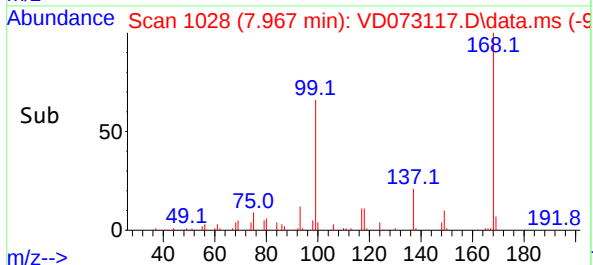
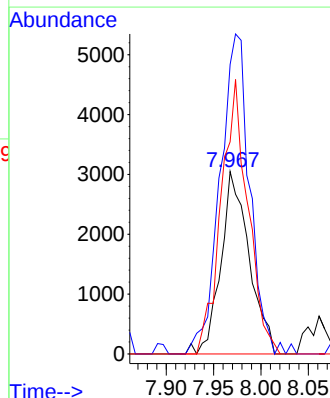
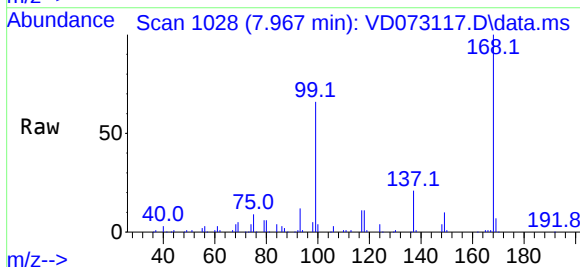
Tgt Ion: 56 Resp: 6334

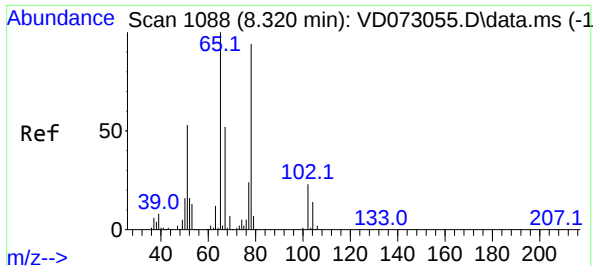
Ion Ratio Lower Upper

56 100

69 158.6 25.4 38.2#

84 116.2 63.0 94.4#





#33

1,2-Dichloroethane-d4

Concen: 50.036 ug/l

RT: 8.326 min Scan# 1107

Delta R.T. 0.006 min

Lab File: VD073117.D

Acq: 19 May 2022 01:49

Instrument :

MSVOA_D

ClientSampleId :

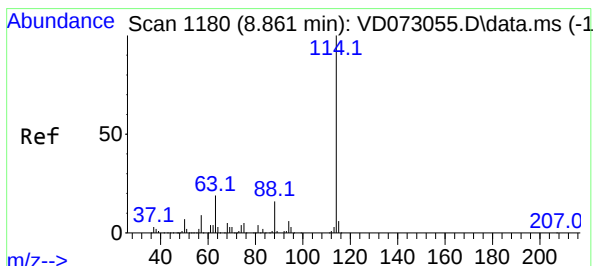
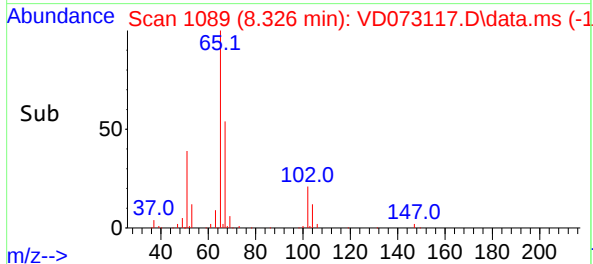
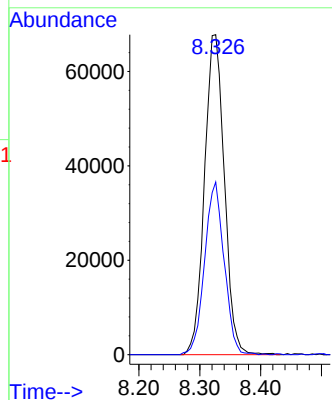
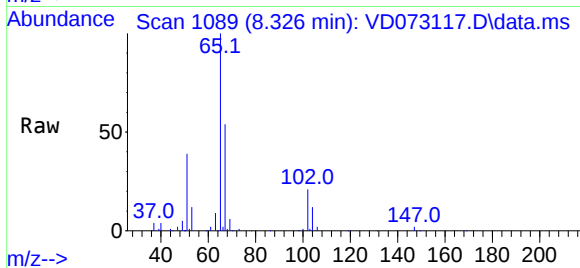
SB14

Tgt Ion: 65 Resp: 153687

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. -0.006 min

Lab File: VD073117.D

Acq: 19 May 2022 01:49

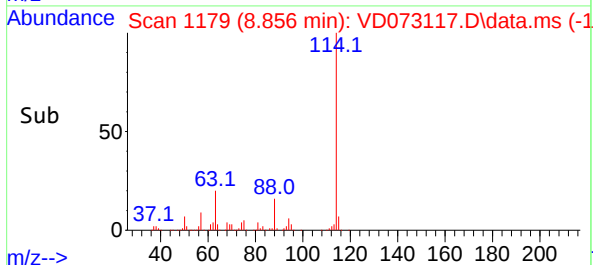
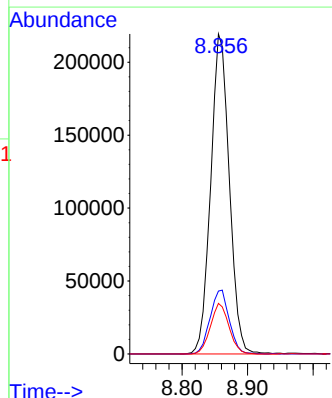
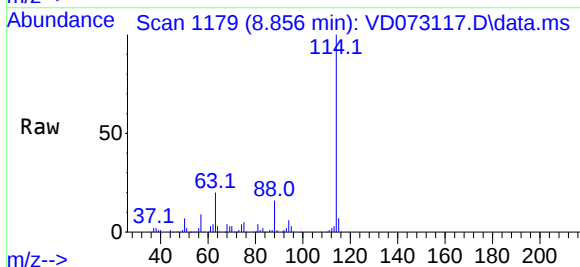
Tgt Ion:114 Resp: 432560

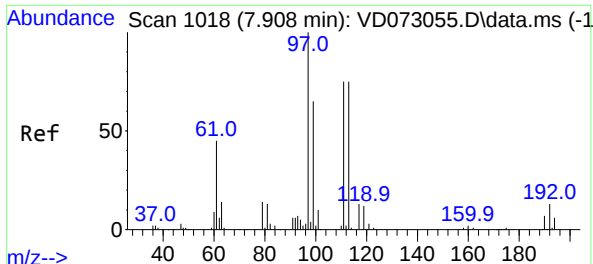
Ion Ratio Lower Upper

114 100

63 19.7 0.0 46.6

88 15.8 0.0 33.2

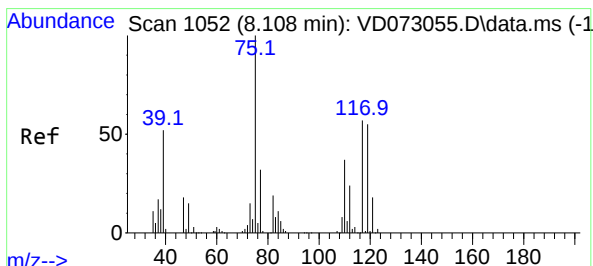
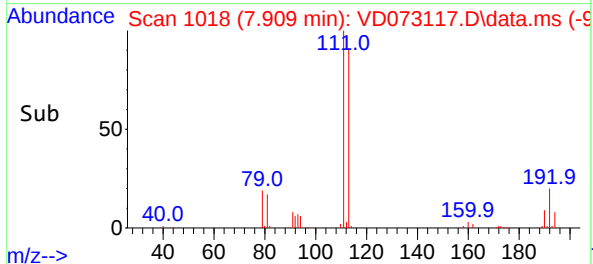
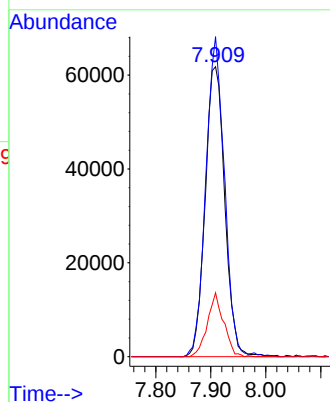
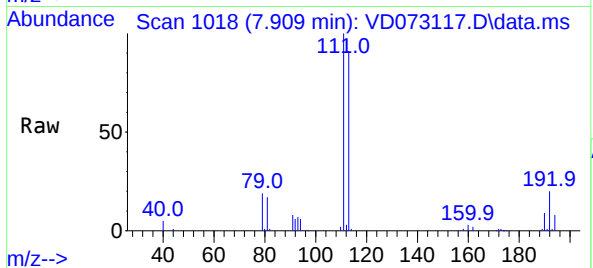




#35
Dibromofluoromethane
Concen: 50.436 ug/l
RT: 7.909 min Scan# 1018
Delta R.T. 0.000 min
Lab File: VD073117.D
Acq: 19 May 2022 01:49

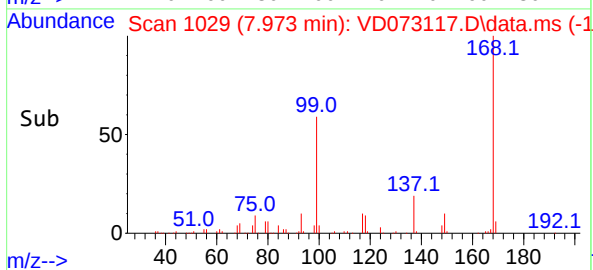
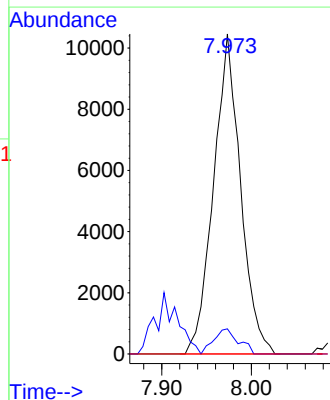
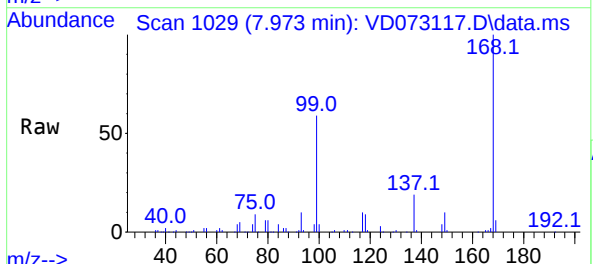
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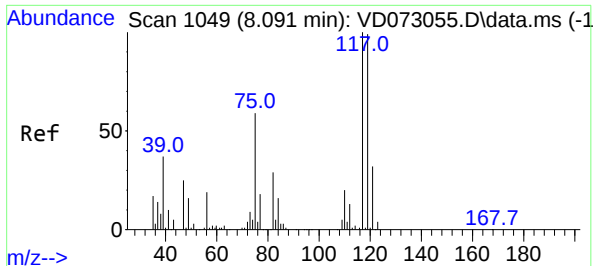
Tgt Ion:113 Resp: 153177
Ion Ratio Lower Upper
113 100
111 105.1 83.8 125.6
192 18.4 14.6 21.8



#36
1,1-Dichloropropene
Concen: 4.412 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.135 min
Lab File: VD073117.D
Acq: 19 May 2022 01:49

Tgt Ion: 75 Resp: 21832
Ion Ratio Lower Upper
75 100
110 7.2 16.4 49.1#
77 0.0 24.2 36.2#

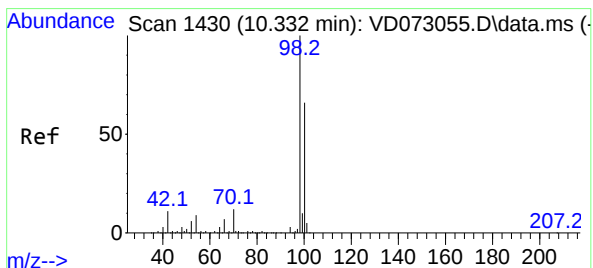
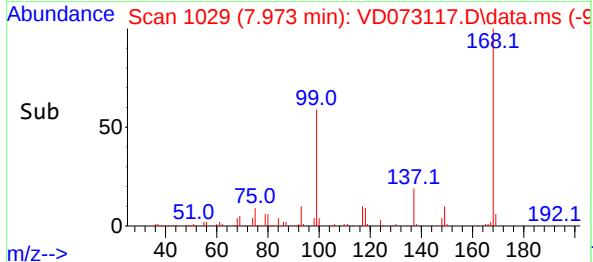
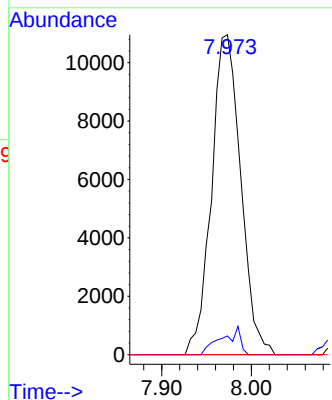
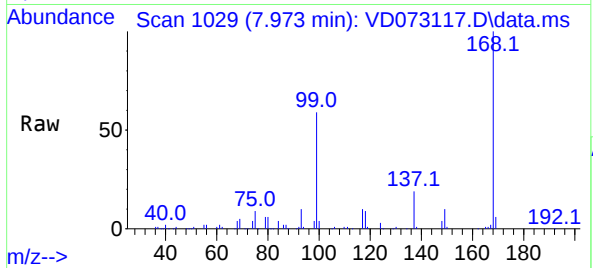




#38
Carbon Tetrachloride
Concen: 4.891 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.118 min
Lab File: VD073117.D
Acq: 19 May 2022 01:49

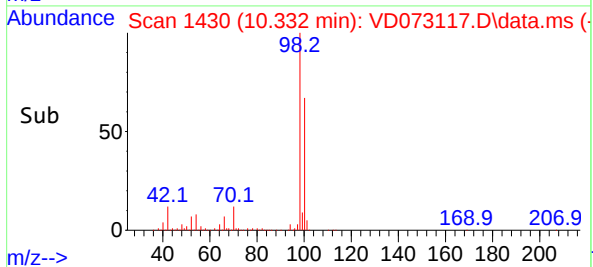
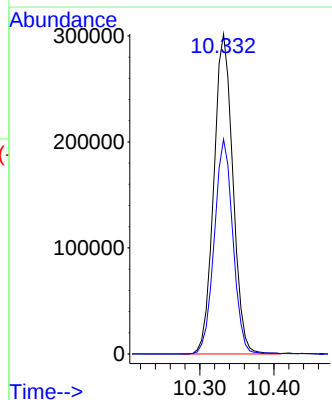
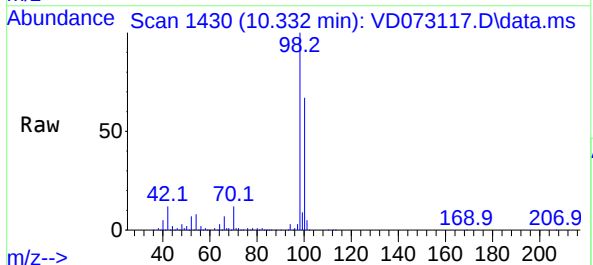
Instrument :
MSVOA_D
ClientSampleId :
SB14

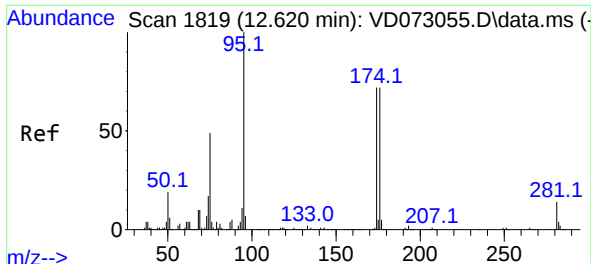
Tgt Ion:117 Resp: 24760
Ion Ratio Lower Upper
117 100
119 5.8 75.8 113.6#
121 0.0 24.5 36.7#



#50
Toluene-d8
Concen: 48.855 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VD073117.D
Acq: 19 May 2022 01:49

Tgt Ion: 98 Resp: 538281
Ion Ratio Lower Upper
98 100
100 65.6 52.4 78.6

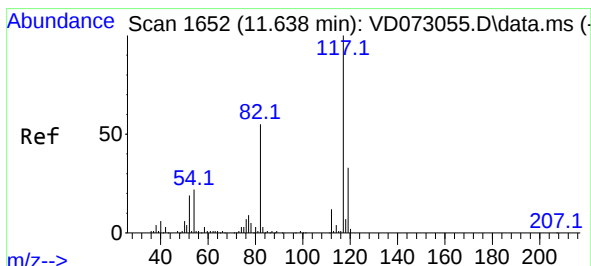
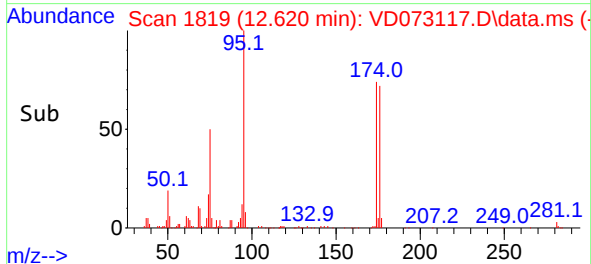
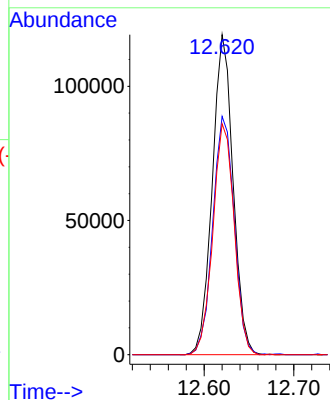
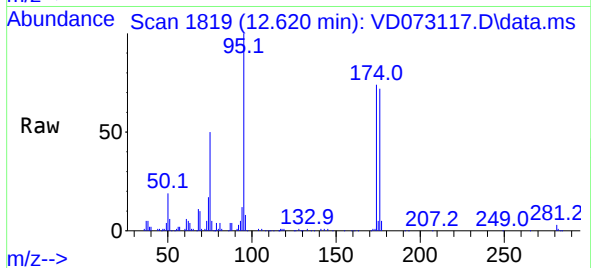




#62
4-Bromofluorobenzene
Concen: 47.976 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD073117.D
Acq: 19 May 2022 01:49

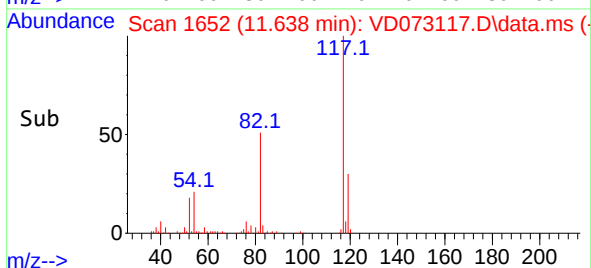
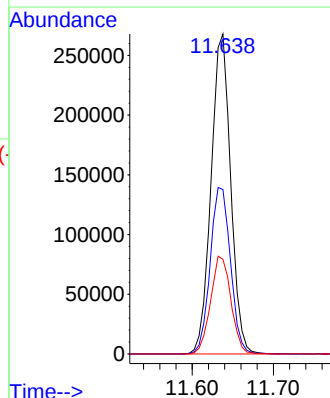
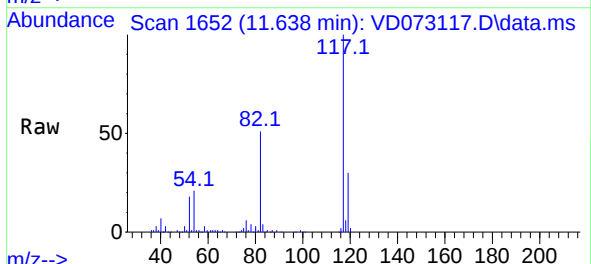
Instrument :
MSVOA_D
ClientSampleId :
SB14

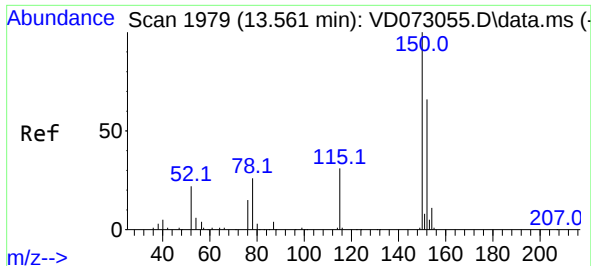
Tgt Ion: 95 Resp: 191454
Ion Ratio Lower Upper
95 100
174 77.0 0.0 152.8
176 73.9 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD073117.D
Acq: 19 May 2022 01:49

Tgt Ion: 117 Resp: 449261
Ion Ratio Lower Upper
117 100
82 51.4 45.3 67.9
119 29.6 26.6 40.0

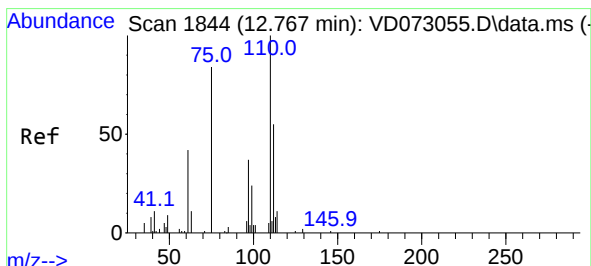
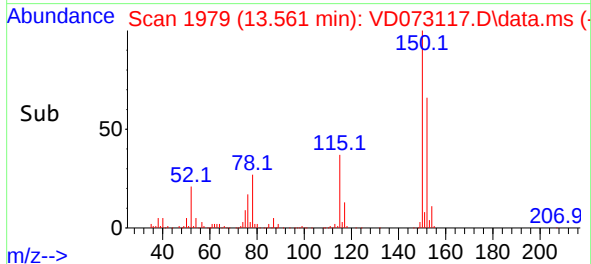
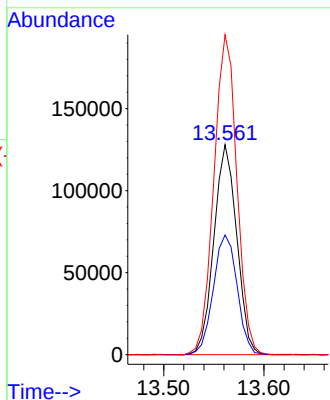
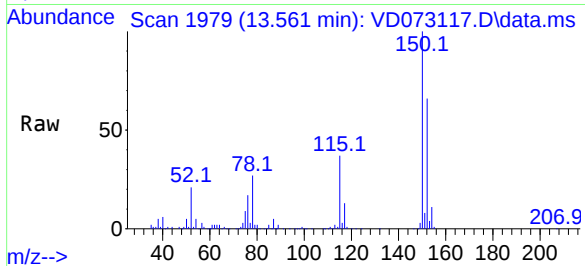




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD073117.D
Acq: 19 May 2022 01:49

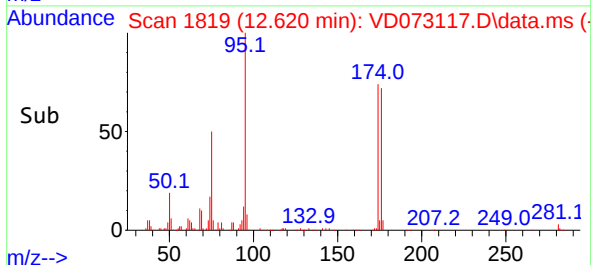
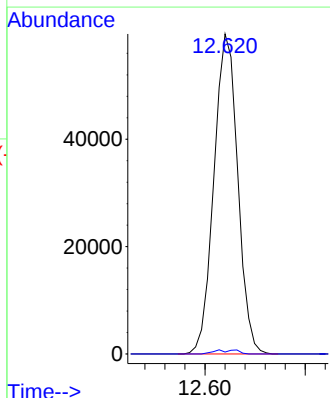
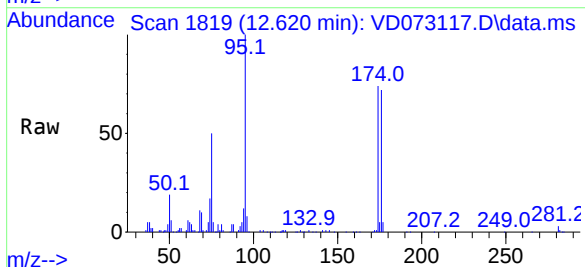
Instrument :
MSVOA_D
ClientSampleId :
SB14

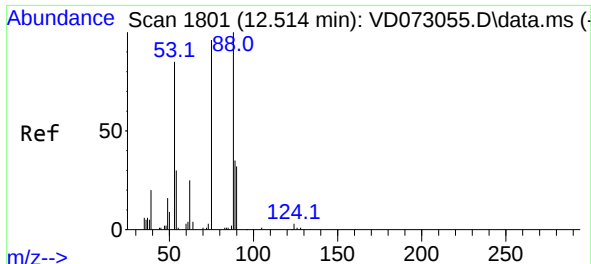
Tgt Ion:152 Resp: 202908
Ion Ratio Lower Upper
152 100
115 59.4 31.3 93.8
150 153.1 0.0 348.6



#76
1,2,3-Trichloropropane
Concen: 42.786 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.147 min
Lab File: VD073117.D
Acq: 19 May 2022 01:49

Tgt Ion: 75 Resp: 98140
Ion Ratio Lower Upper
75 100
77 0.6 0.0 0.0#

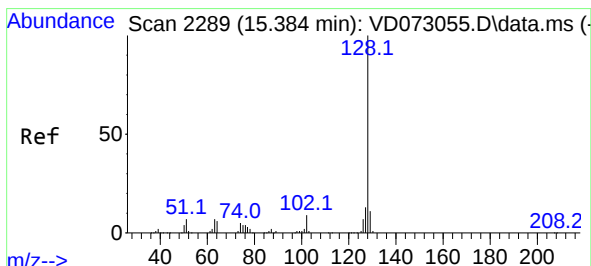
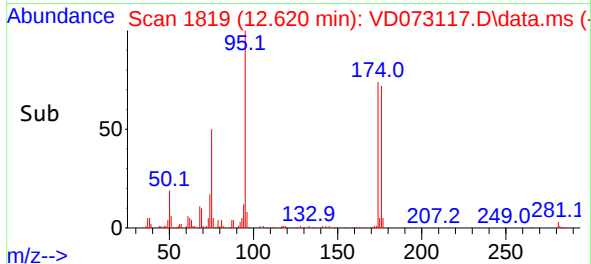
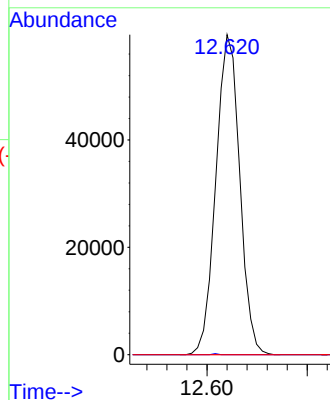
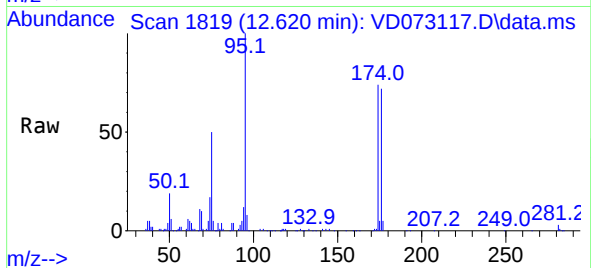




#81
trans-1,4-Dichloro-2-butene
Concen: 102.591 ug/l
RT: 12.620 min Scan# 1801
Delta R.T. 0.106 min
Lab File: VD073117.D
Acq: 19 May 2022 01:49

Instrument :
MSVOA_D
ClientSampleId :
SB14

Tgt Ion: 75 Resp: 98140
Ion Ratio Lower Upper
75 100
53 0.1 86.5 129.7#
89 0.0 33.9 50.9#



#95
Naphthalene
Concen: 4.313 ug/l
RT: 15.373 min Scan# 2287
Delta R.T. -0.011 min
Lab File: VD073117.D
Acq: 19 May 2022 01:49

Tgt Ion: 128 Resp: 458
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.4 12.6#

