

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051722\
 Data File : VD073085.D
 Acq On : 18 May 2022 05:37
 Operator : VA/SY
 Sample : N2847-03
 Misc : 5.03G/5.00ml/MSVOA_D/soil
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: May 18 06:23:33 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)

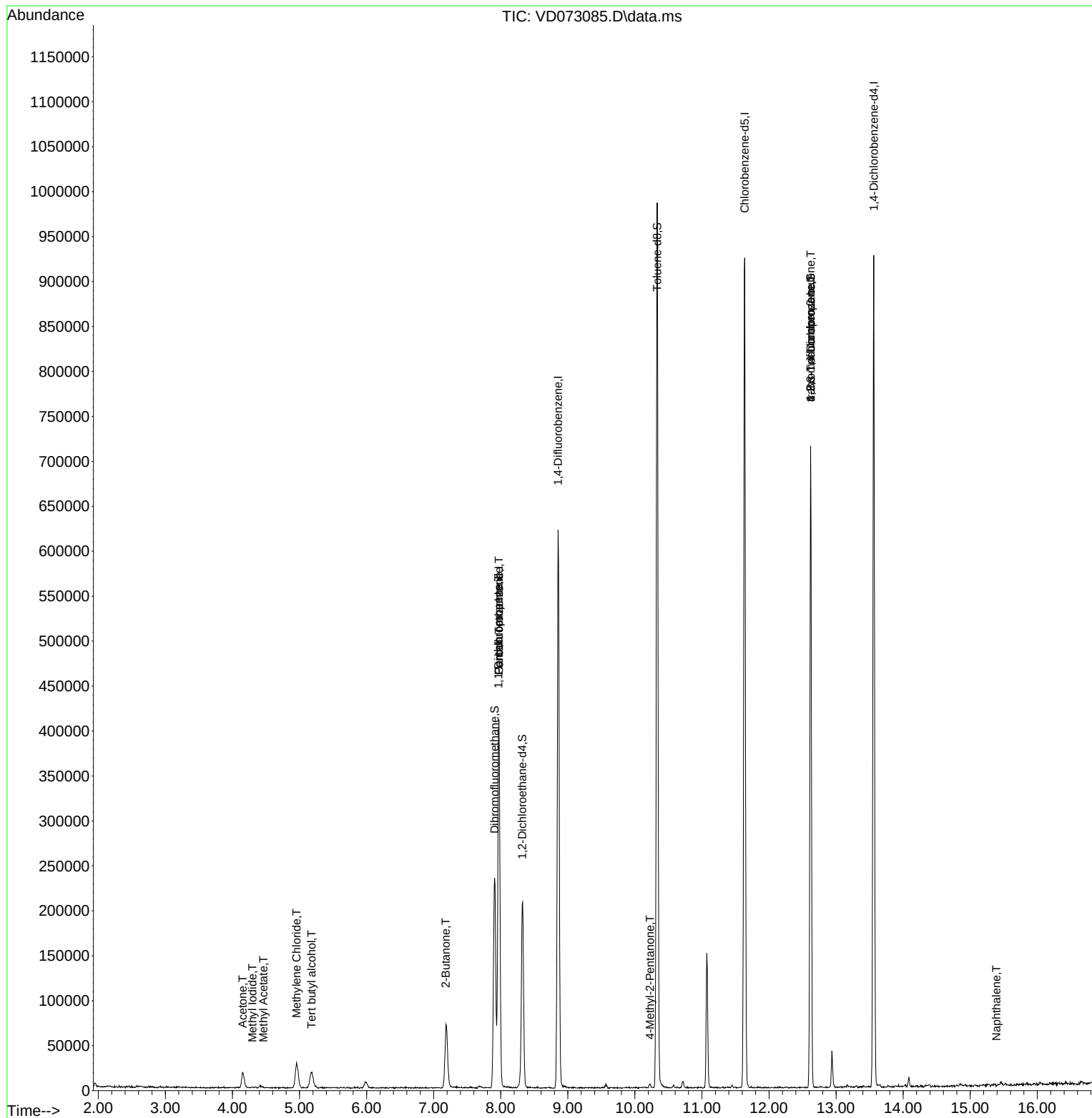
Internal Standards						
1) Pentafluorobenzene	7.973	168	298205	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.856	114	527330	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	536369	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	241192	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	164560	44.126	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	88.260%
35) Dibromofluoromethane	7.909	113	176454	47.659	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	95.320%
50) Toluene-d8	10.332	98	647863	48.234	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	96.460%
62) 4-Bromofluorobenzene	12.620	95	229951	47.267	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	94.540%
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.297	142	804	4.445	ug/l #	50
11) Tert butyl alcohol	5.179	59	16399	28.429	ug/l #	74
16) Acetone	4.150	43	30156	44.684	ug/l	95
18) Methyl Acetate	4.462	43	316	1.610	ug/l #	55
20) Methylene Chloride	4.956	84	21210	4.330	ug/l	89
25) 2-Butanone	7.179	43	2301	2.252	ug/l #	82
36) 1,1-Dichloropropene	7.967	75	25489	4.225	ug/l #	47
38) Carbon Tetrachloride	7.973	117	32294	5.232	ug/l #	16
51) 4-Methyl-2-Pentanone	10.226	43	3329	1.354	ug/l	96
76) 1,2,3-Trichloropropane	12.620	75	116891	42.872	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	116891	102.797	ug/l #	7
95) Naphthalene	15.390	128	219	4.282	ug/l #	70

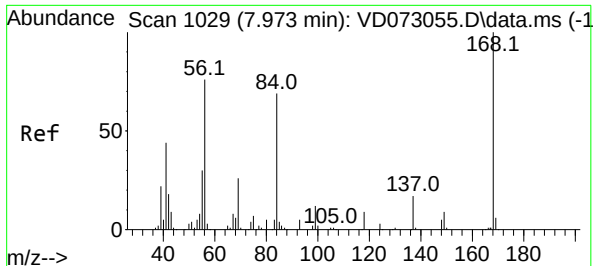
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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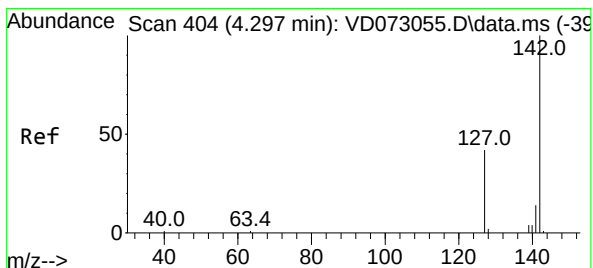
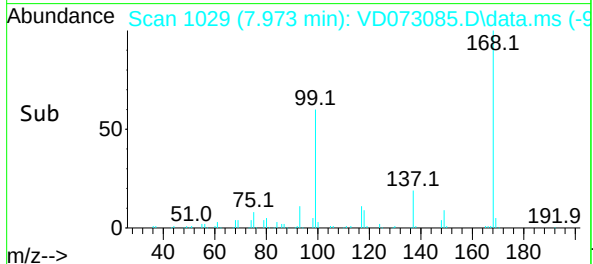
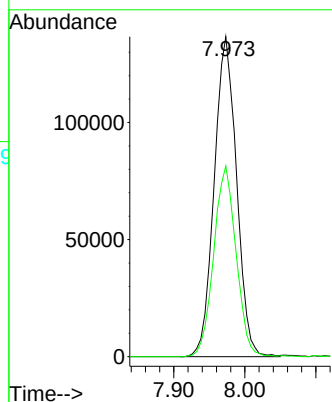
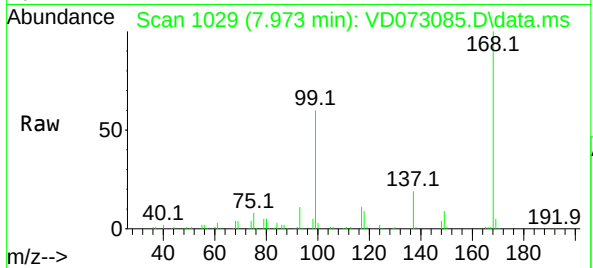




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD073085.D
Acq: 18 May 2022 05:37

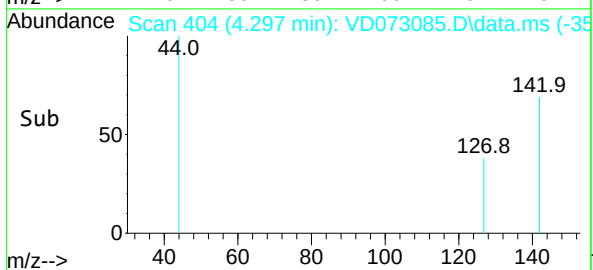
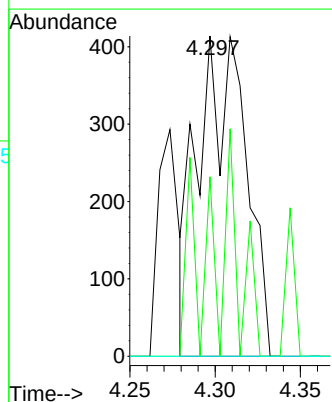
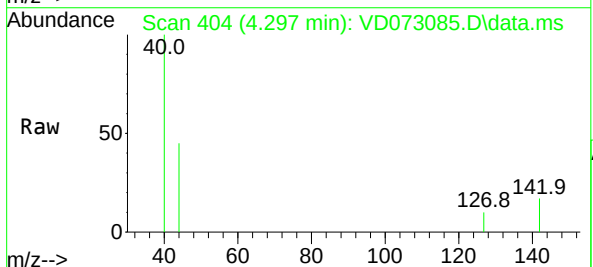
Instrument :
MSVOA_D
ClientSampleId :

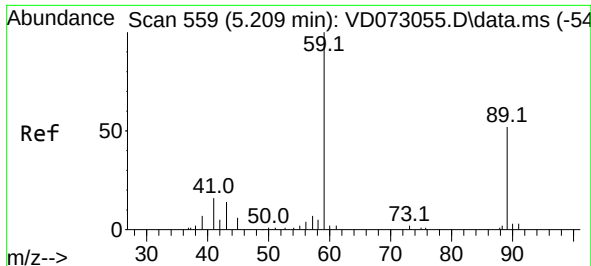
Tgt Ion:168 Resp: 298205
Ion Ratio Lower Upper
168 100
99 59.6 49.8 74.6



#10
Methyl Iodide
Concen: 4.445 ug/l
RT: 4.297 min Scan# 404
Delta R.T. -0.000 min
Lab File: VD073085.D
Acq: 18 May 2022 05:37

Tgt Ion:142 Resp: 804
Ion Ratio Lower Upper
142 100
127 10.2 37.3 55.9#
141 0.0 11.7 17.5#





#11

Tert butyl alcohol

Concen: 28.429 ug/l

RT: 5.179 min Scan# 51

Delta R.T. -0.030 min

Lab File: VD073085.D

Acq: 18 May 2022 05:37

Instrument :

MSVOA_D

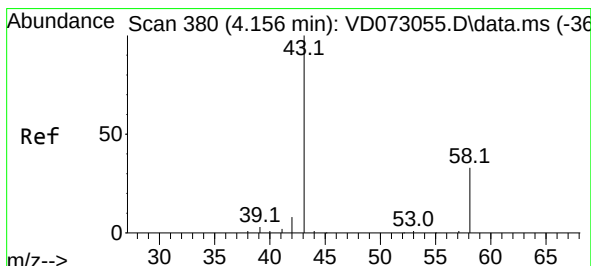
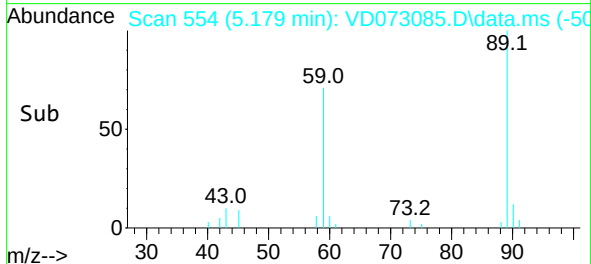
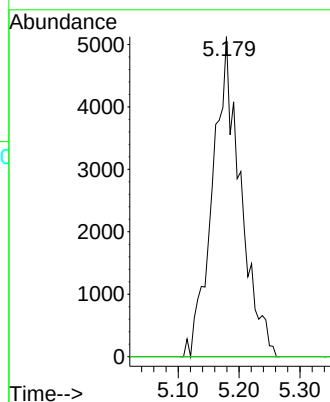
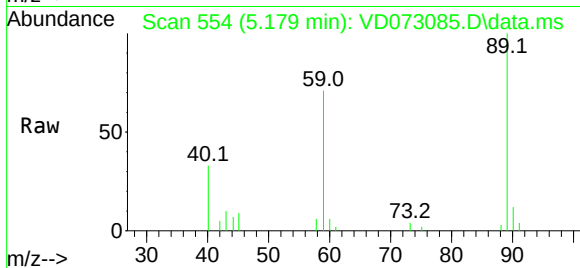
ClientSampleId :

Tgt Ion: 59 Resp: 16399

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.6#



#16

Acetone

Concen: 44.684 ug/l

RT: 4.150 min Scan# 379

Delta R.T. -0.006 min

Lab File: VD073085.D

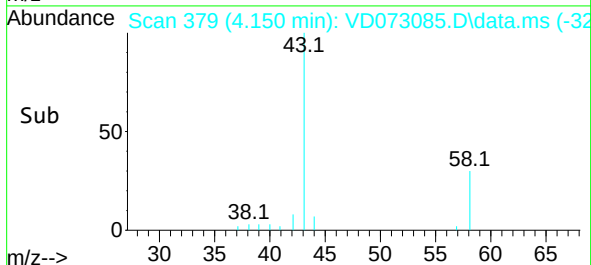
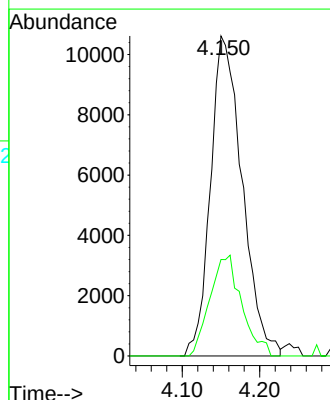
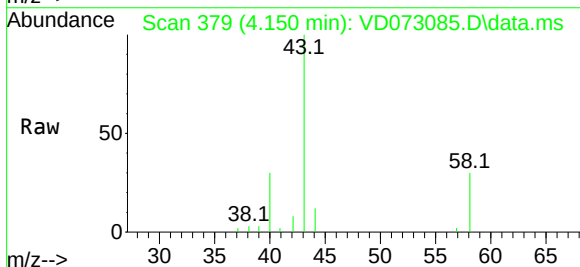
Acq: 18 May 2022 05:37

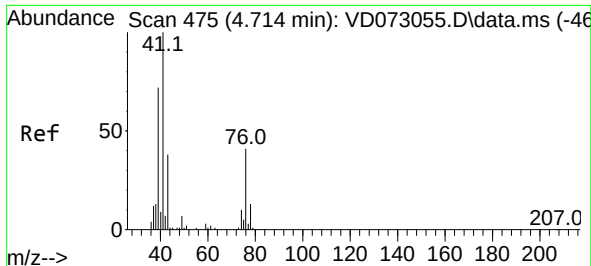
Tgt Ion: 43 Resp: 30156

Ion Ratio Lower Upper

43 100

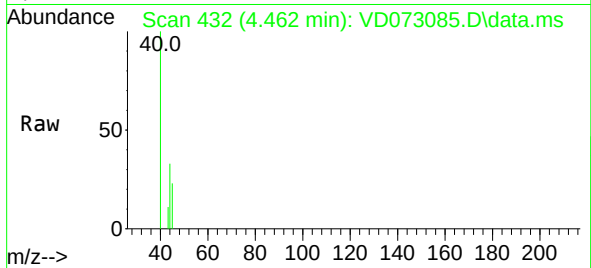
58 30.1 22.1 33.1



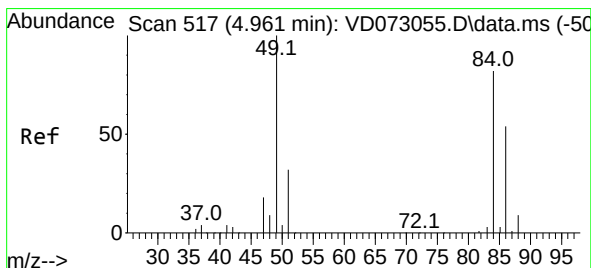
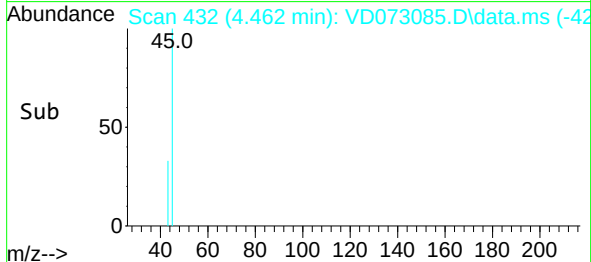
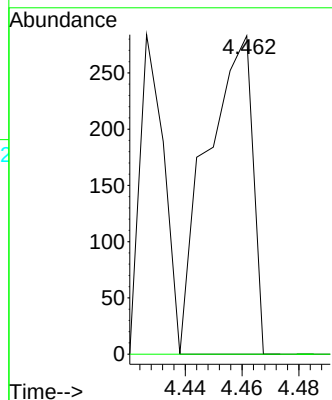


#18
Methyl Acetate
Concen: 1.610 ug/l
RT: 4.462 min Scan# 41
Delta R.T. -0.252 min
Lab File: VD073085.D
Acq: 18 May 2022 05:37

Instrument :
MSVOA_D
ClientSampleId :

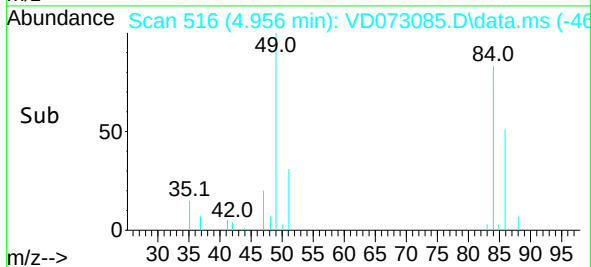
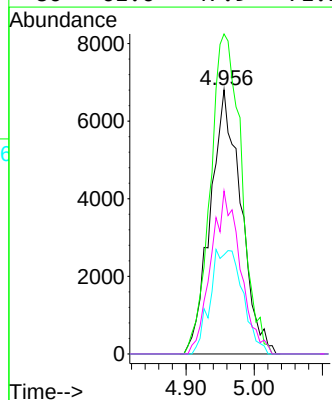
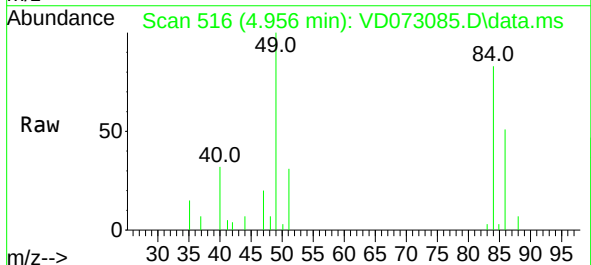


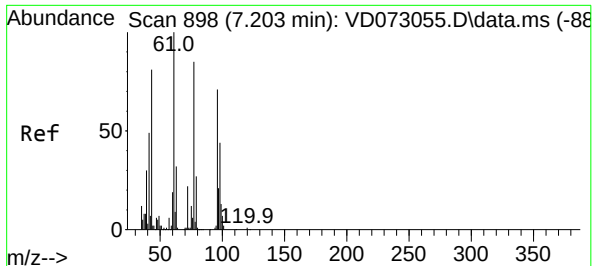
Tgt Ion: 43 Resp: 316
Ion Ratio Lower Upper
43 100
74 0.0 16.7 25.1#



#20
Methylene Chloride
Concen: 4.330 ug/l
RT: 4.956 min Scan# 516
Delta R.T. -0.006 min
Lab File: VD073085.D
Acq: 18 May 2022 05:37

Tgt Ion: 84 Resp: 21210
Ion Ratio Lower Upper
84 100
49 121.1 112.8 169.2
51 37.5 32.6 48.8
86 61.6 47.9 71.9

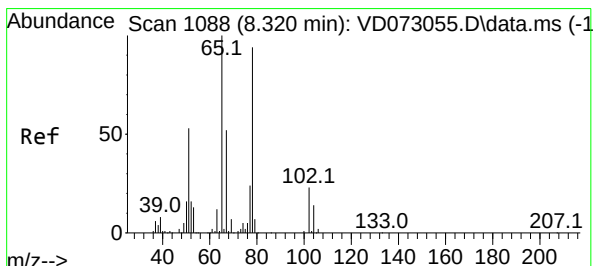
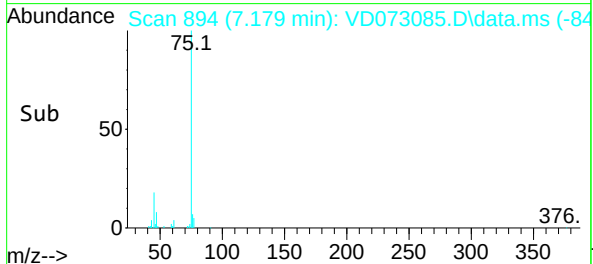
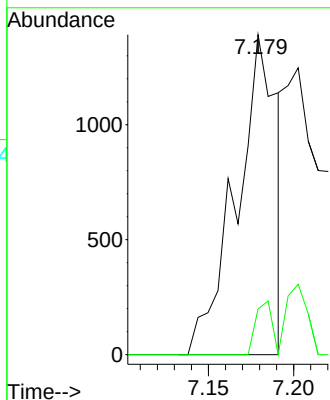
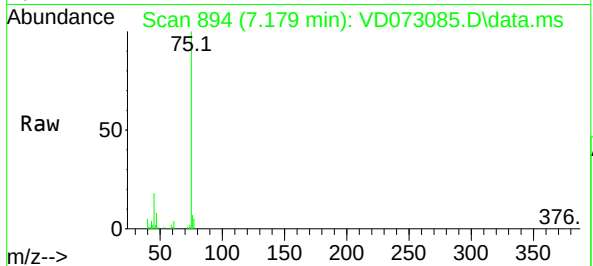




#25
2-Butanone
Concen: 2.252 ug/l
RT: 7.179 min Scan# 898
Delta R.T. -0.023 min
Lab File: VD073085.D
Acq: 18 May 2022 05:37

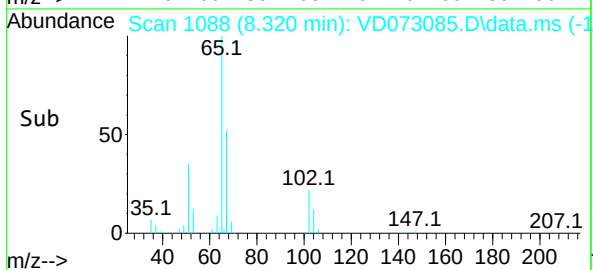
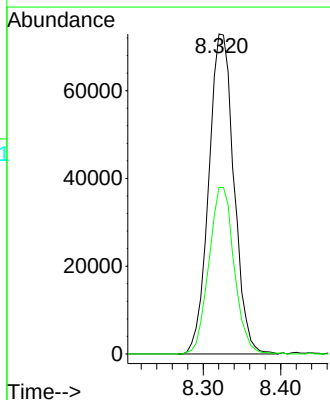
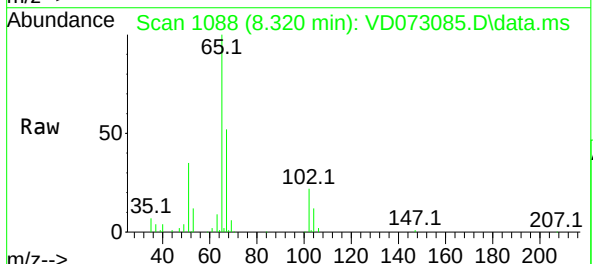
Instrument :
MSVOA_D
ClientSampleId :

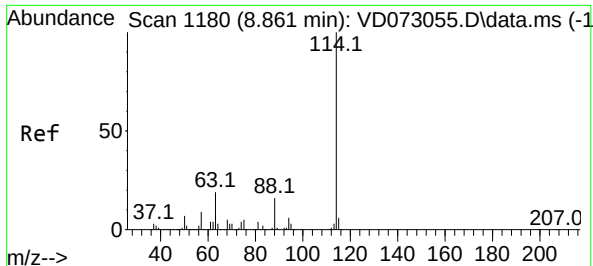
Tgt Ion: 43 Resp: 2301
Ion Ratio Lower Upper
43 100
72 14.2 18.6 27.8#



#33
1,2-Dichloroethane-d4
Concen: 44.126 ug/l
RT: 8.320 min Scan# 1088
Delta R.T. 0.000 min
Lab File: VD073085.D
Acq: 18 May 2022 05:37

Tgt Ion: 65 Resp: 164560
Ion Ratio Lower Upper
65 100
67 52.2 0.0 101.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.856 min Scan# 1180

Delta R.T. -0.006 min

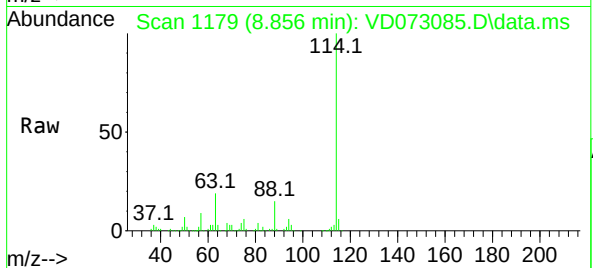
Lab File: VD073085.D

Acq: 18 May 2022 05:37

Instrument :

MSVOA_D

ClientSampleId :



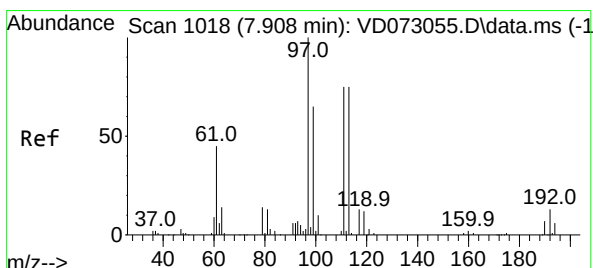
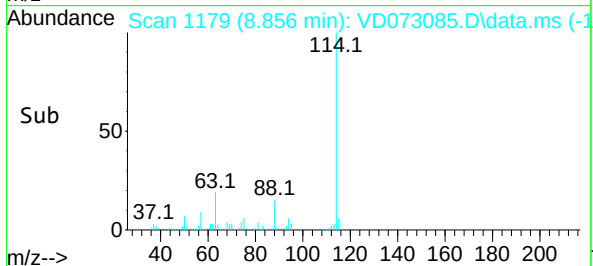
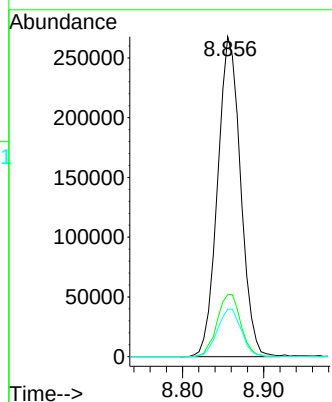
Tgt Ion:114 Resp: 527330

Ion Ratio Lower Upper

114 100

63 19.4 0.0 46.6

88 14.8 0.0 33.2



#35

Dibromofluoromethane

Concen: 47.659 ug/l

RT: 7.909 min Scan# 1018

Delta R.T. 0.000 min

Lab File: VD073085.D

Acq: 18 May 2022 05:37

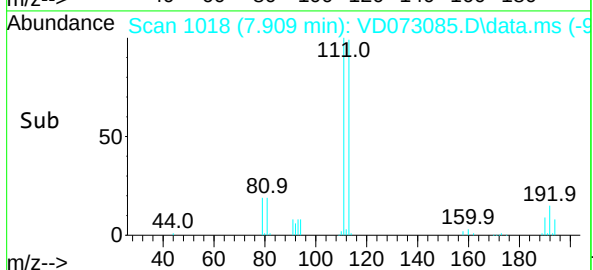
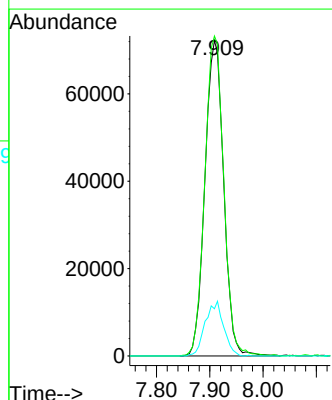
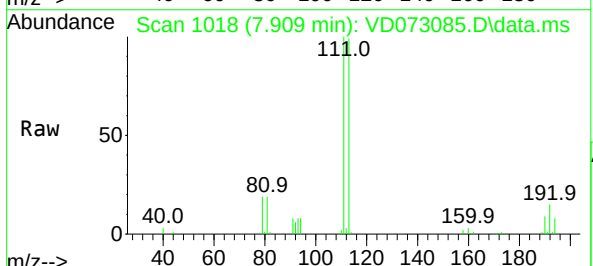
Tgt Ion:113 Resp: 176454

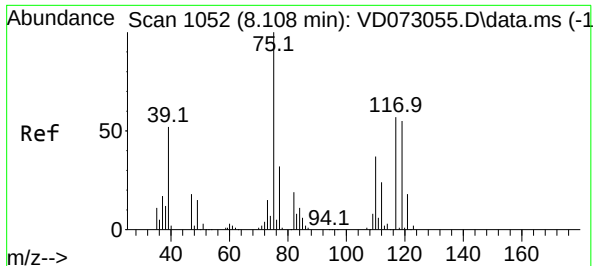
Ion Ratio Lower Upper

113 100

111 102.4 83.8 125.6

192 17.0 14.6 21.8





#36

1,1-Dichloropropene

Concen: 4.225 ug/l

RT: 7.967 min Scan# 1028

Delta R.T. -0.141 min

Lab File: VD073085.D

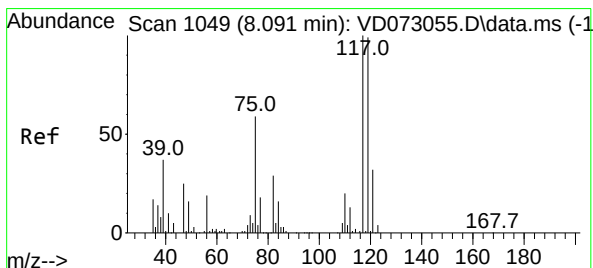
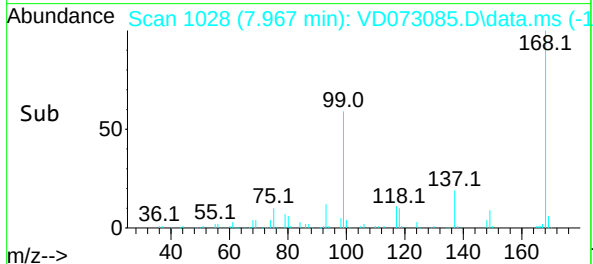
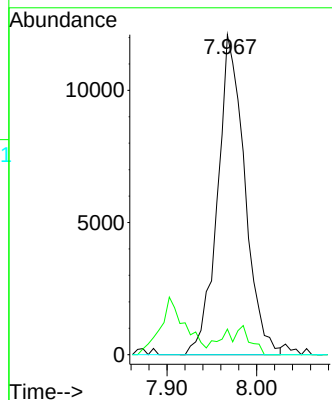
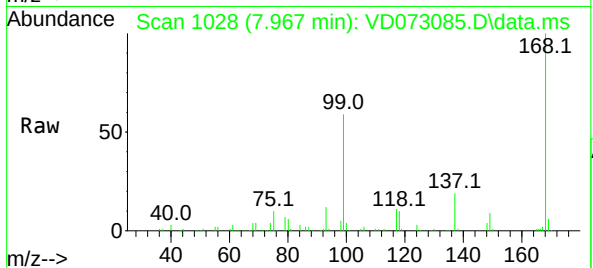
Acq: 18 May 2022 05:37

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion: 75 Resp: 25489
 Ion Ratio Lower Upper
 75 100
 110 4.2 16.4 49.1#
 77 0.0 24.2 36.2#



#38

Carbon Tetrachloride

Concen: 5.232 ug/l

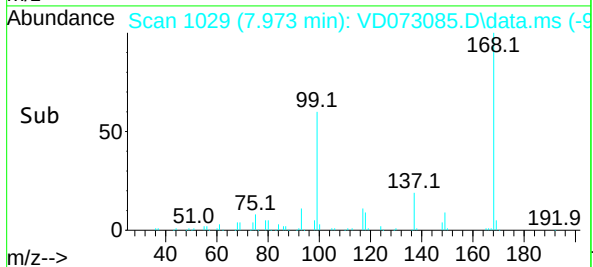
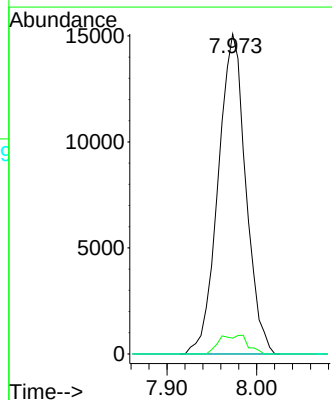
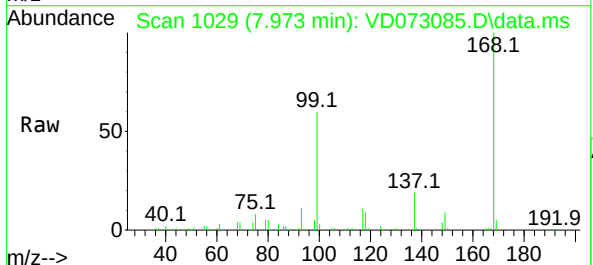
RT: 7.973 min Scan# 1029

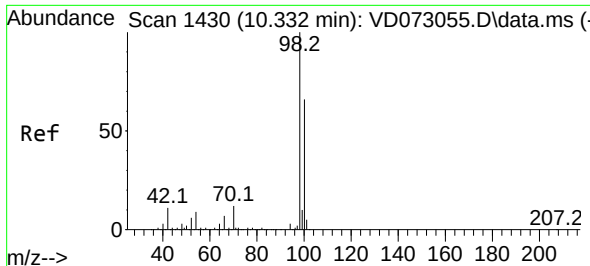
Delta R.T. -0.118 min

Lab File: VD073085.D

Acq: 18 May 2022 05:37

Tgt Ion: 117 Resp: 32294
 Ion Ratio Lower Upper
 117 100
 119 4.9 75.8 113.6#
 121 0.0 24.5 36.7#

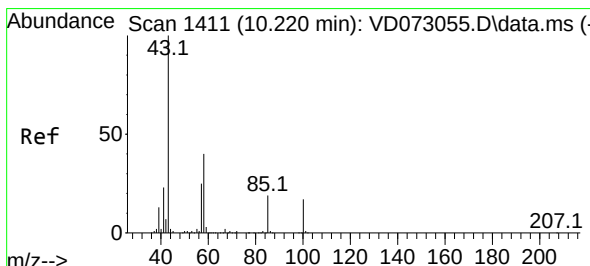
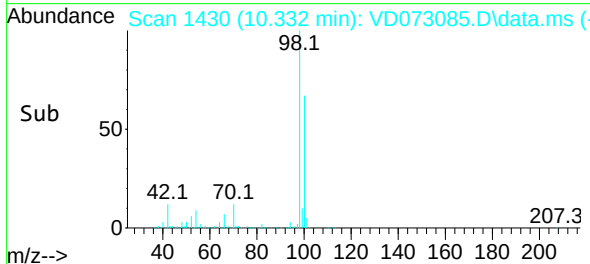
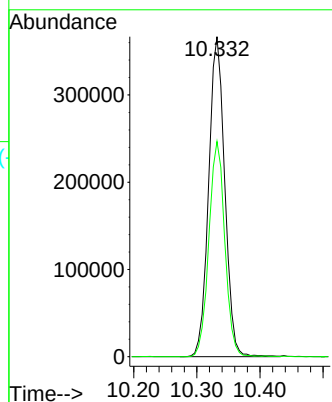
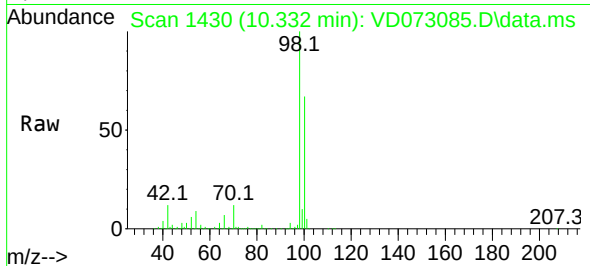




#50
Toluene-d8
Concen: 48.234 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VD073085.D
Acq: 18 May 2022 05:37

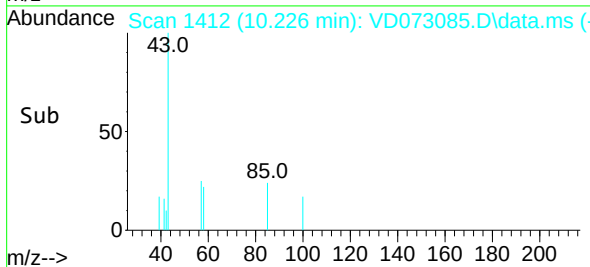
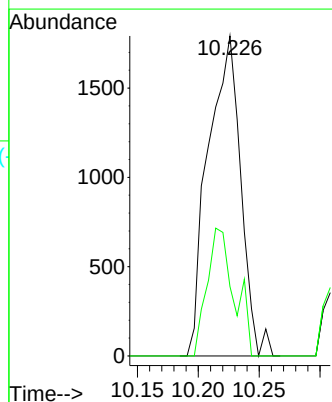
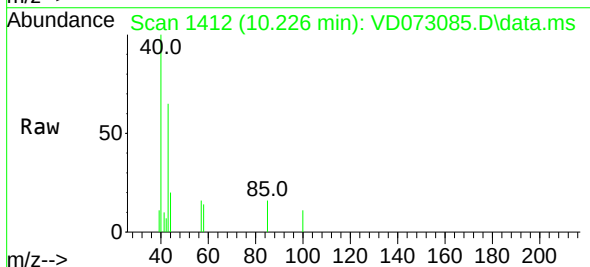
Instrument :
MSVOA_D
ClientSampleId :

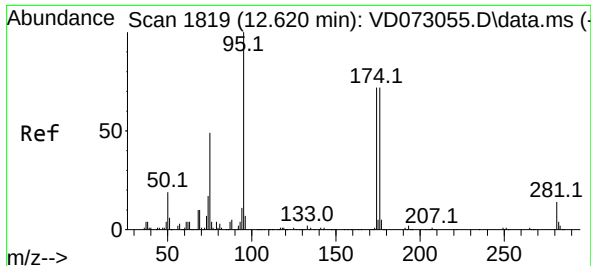
Tgt Ion: 98 Resp: 647863
Ion Ratio Lower Upper
98 100
100 66.6 52.4 78.6



#51
4-Methyl-2-Pentanone
Concen: 1.354 ug/l
RT: 10.226 min Scan# 1412
Delta R.T. 0.006 min
Lab File: VD073085.D
Acq: 18 May 2022 05:37

Tgt Ion: 43 Resp: 3329
Ion Ratio Lower Upper
43 100
58 33.3 28.6 43.0

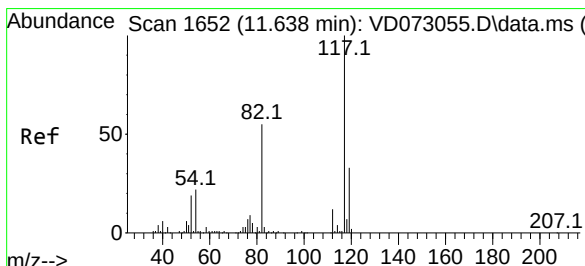
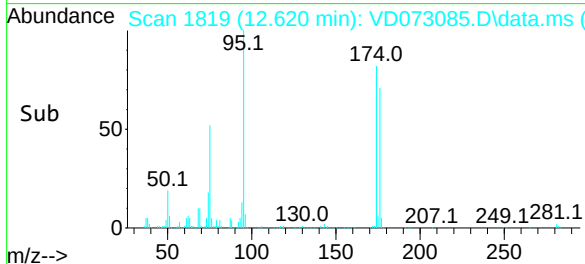
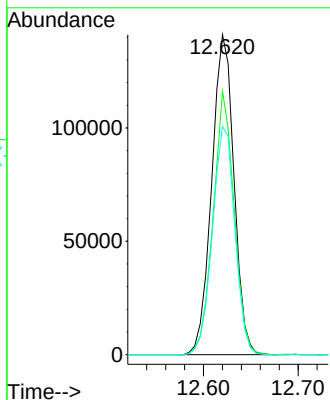
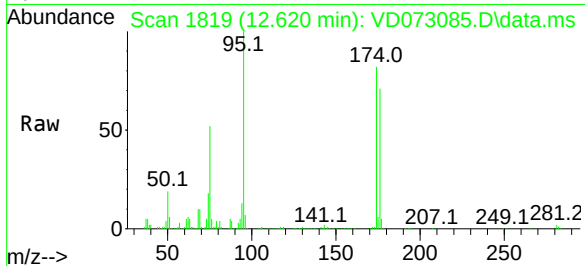




#62
4-Bromofluorobenzene
Concen: 47.267 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD073085.D
Acq: 18 May 2022 05:37

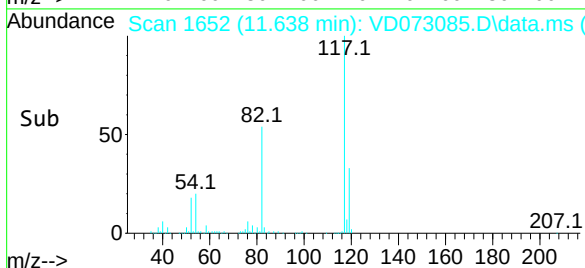
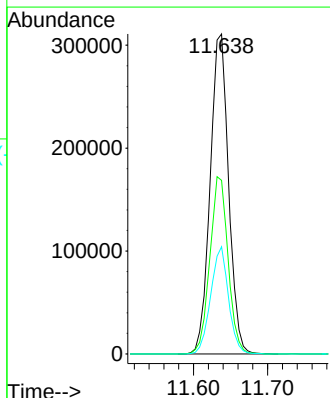
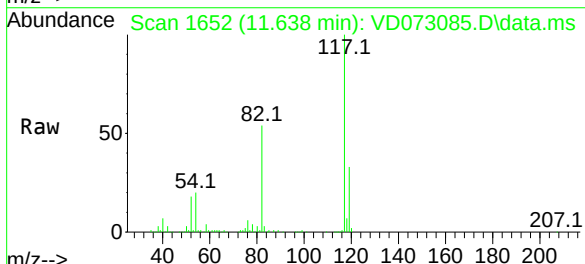
Instrument :
MSVOA_D
ClientSampleId :

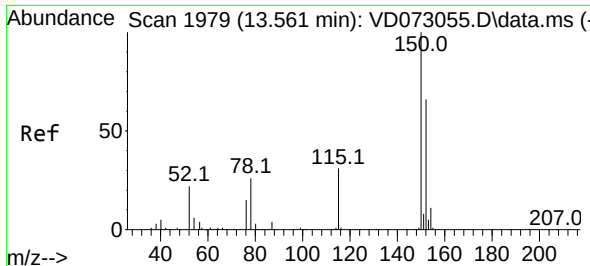
Tgt Ion: 95 Resp: 229951
Ion Ratio Lower Upper
95 100
174 77.9 0.0 152.8
176 72.0 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD073085.D
Acq: 18 May 2022 05:37

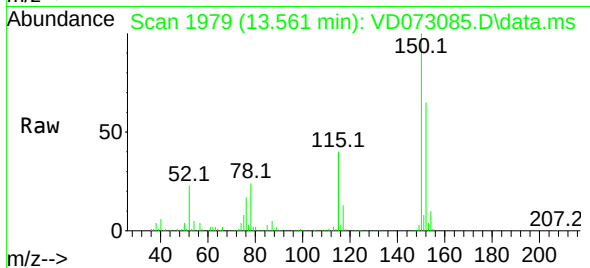
Tgt Ion: 117 Resp: 536369
Ion Ratio Lower Upper
117 100
82 54.2 45.3 67.9
119 33.5 26.6 40.0



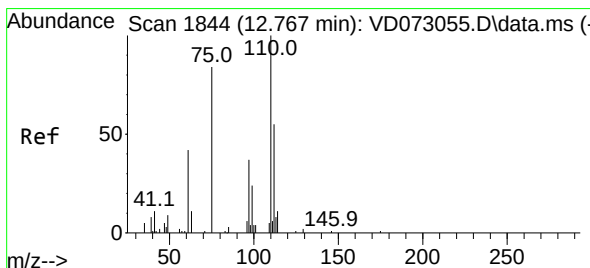
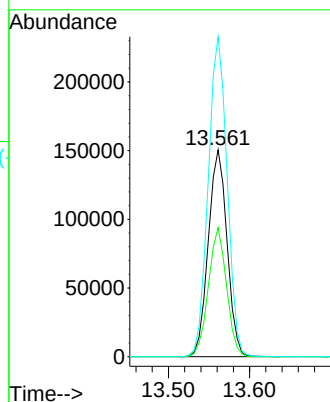
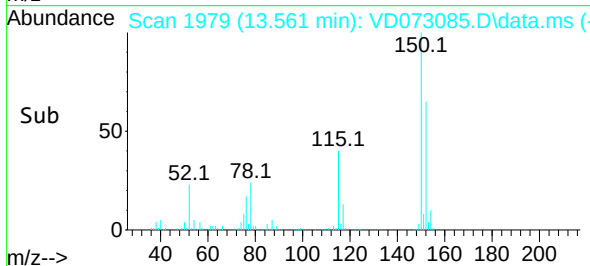


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.561 min Scan# 1979
 Delta R.T. 0.000 min
 Lab File: VD073085.D
 Acq: 18 May 2022 05:37

Instrument :
 MSVOA_D
 ClientSampleId :

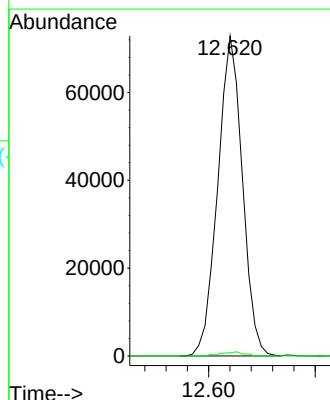
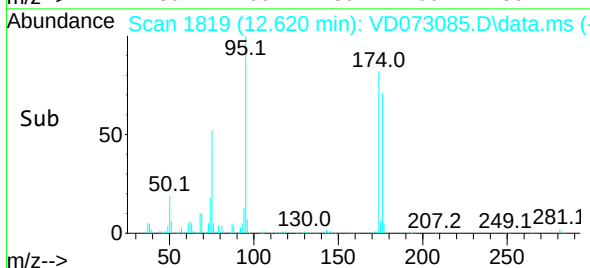
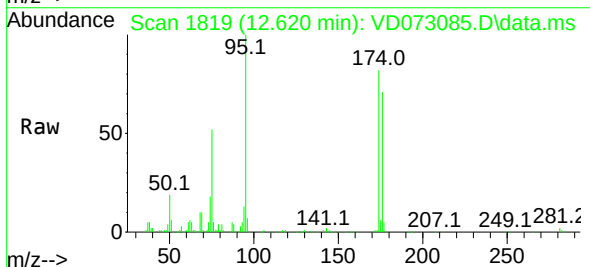


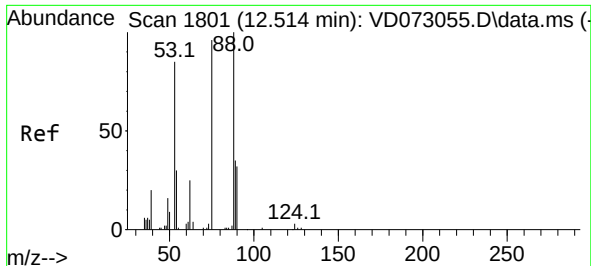
Tgt Ion:152 Resp: 241192
 Ion Ratio Lower Upper
 152 100
 115 60.2 31.3 93.8
 150 155.9 0.0 348.6



#76
 1,2,3-Trichloropropane
 Concen: 42.872 ug/l
 RT: 12.620 min Scan# 1819
 Delta R.T. -0.147 min
 Lab File: VD073085.D
 Acq: 18 May 2022 05:37

Tgt Ion: 75 Resp: 116891
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#

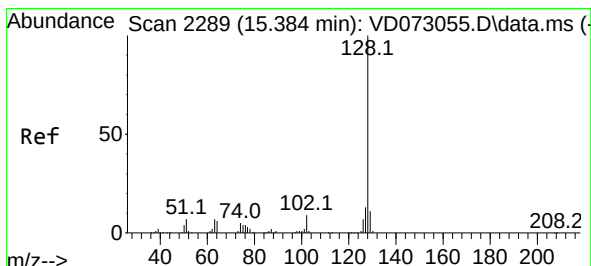
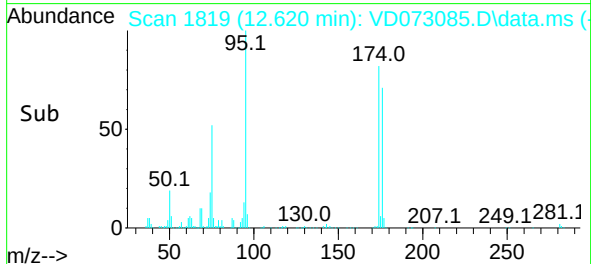
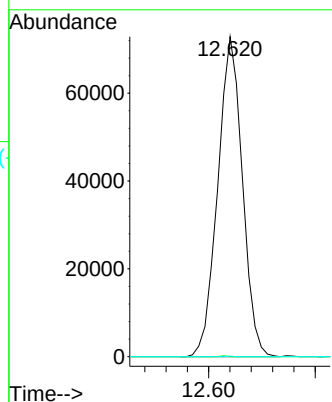
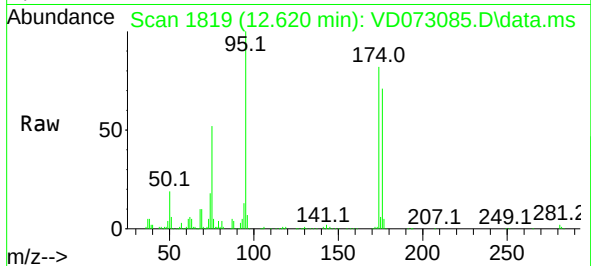




#81
trans-1,4-Dichloro-2-butene
Concen: 102.797 ug/l
RT: 12.620 min Scan# 11
Delta R.T. 0.106 min
Lab File: VD073085.D
Acq: 18 May 2022 05:37

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 116891
Ion Ratio Lower Upper
75 100
53 0.1 86.5 129.7#
89 0.0 33.9 50.9#



#95
Naphthalene
Concen: 4.282 ug/l
RT: 15.390 min Scan# 2290
Delta R.T. 0.006 min
Lab File: VD073085.D
Acq: 18 May 2022 05:37

Tgt Ion:128 Resp: 219
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.4 12.6#

