

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051722\
 Data File : VD073081.D
 Acq On : 18 May 2022 03:42
 Operator : VA/SY
 Sample : N2879-04
 Misc : 4.97 G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: May 18 05:14:49 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)

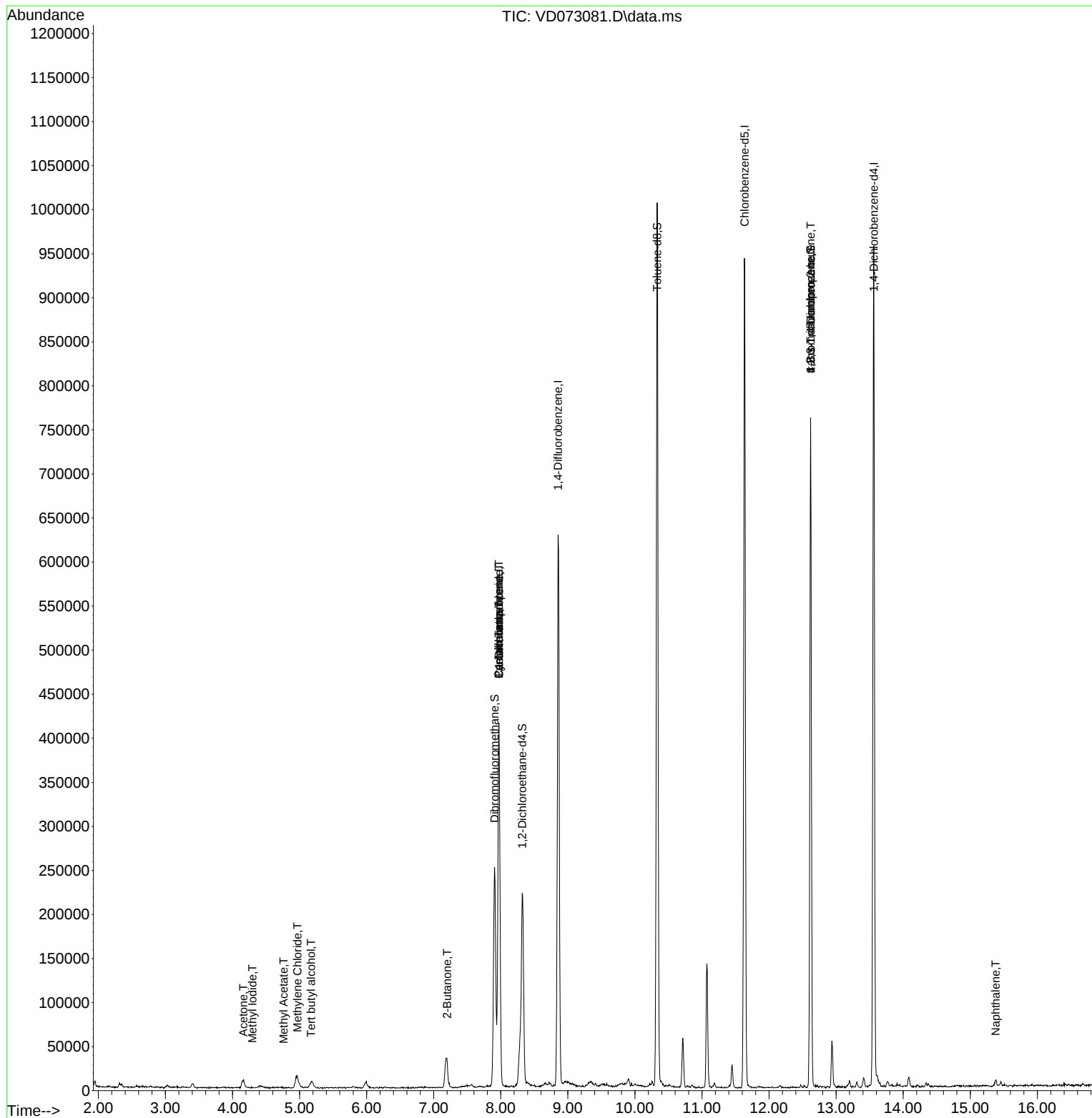
Internal Standards						
1) Pentafluorobenzene	7.973	168	294015	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	531592	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	547823	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	252656	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	170969	46.498	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	93.000%
35) Dibromofluoromethane	7.908	113	179086	47.982	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	95.960%
50) Toluene-d8	10.332	98	652957	48.223	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	96.440%
62) 4-Bromofluorobenzene	12.620	95	238215	48.573	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	97.140%
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.297	142	702	4.426	ug/l #	38
11) Tert butyl alcohol	5.173	59	6933	12.190	ug/l #	74
16) Acetone	4.162	43	16680	25.068	ug/l	97
18) Methyl Acetate	4.762	43	53	1.485	ug/l #	55
20) Methylene Chloride	4.967	84	10506	2.175	ug/l #	81
25) 2-Butanone	7.203	43	3354	3.329	ug/l #	52
31) Cyclohexane	7.973	56	7322	1.106	ug/l #	41
36) 1,1-Dichloropropene	7.973	75	25282	4.157	ug/l #	51
38) Carbon Tetrachloride	7.973	117	30251	4.862	ug/l #	17
76) 1,2,3-Trichloropropane	12.620	75	119930	41.991	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	119930	100.684	ug/l #	7
95) Naphthalene	15.379	128	6165	4.833	ug/l #	94

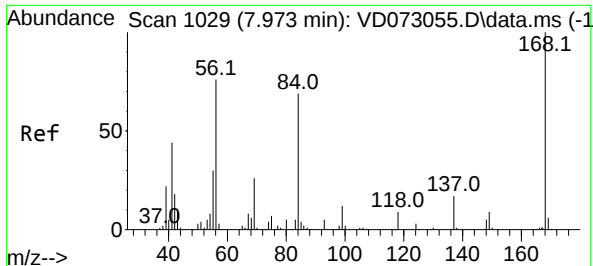
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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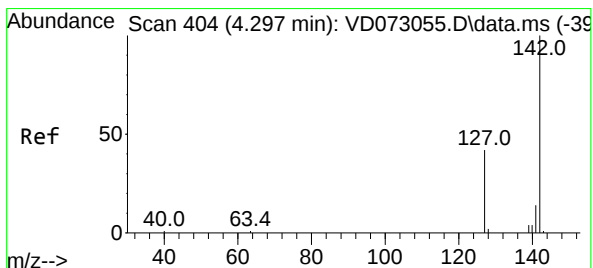
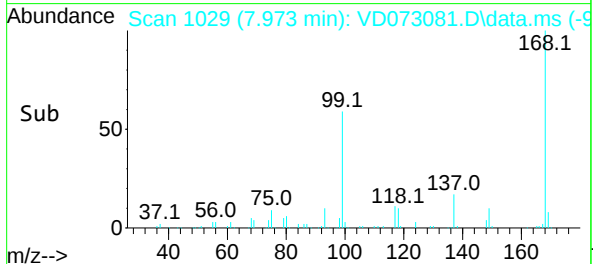
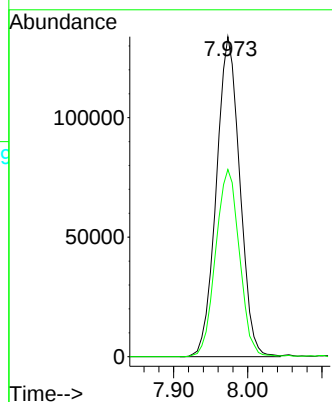
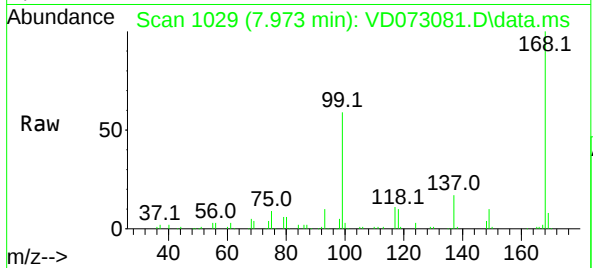




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD073081.D
Acq: 18 May 2022 03:42

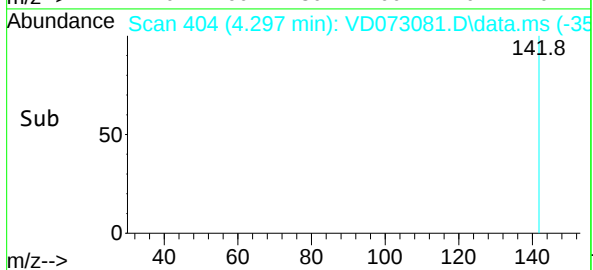
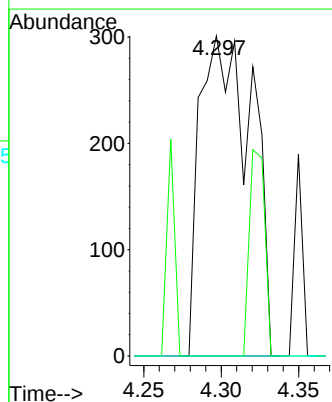
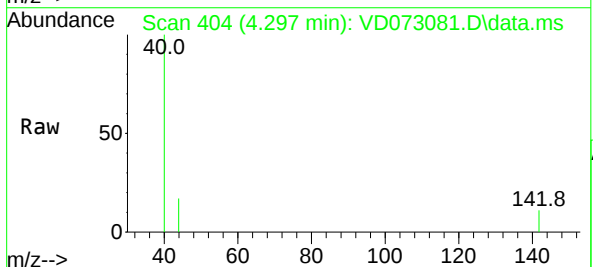
Instrument :
MSVOA_D
ClientSampleId :

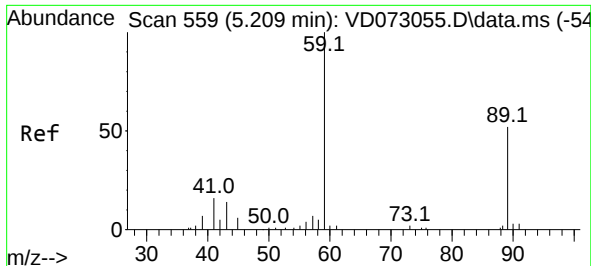
Tgt Ion:168 Resp: 294015
Ion Ratio Lower Upper
168 100
99 58.5 49.8 74.6



#10
Methyl Iodide
Concen: 4.426 ug/l
RT: 4.297 min Scan# 404
Delta R.T. -0.000 min
Lab File: VD073081.D
Acq: 18 May 2022 03:42

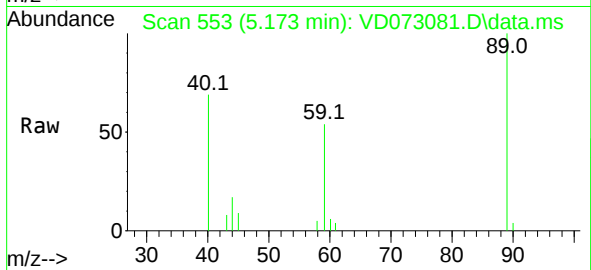
Tgt Ion:142 Resp: 702
Ion Ratio Lower Upper
142 100
127 0.0 37.3 55.9#
141 0.0 11.7 17.5#



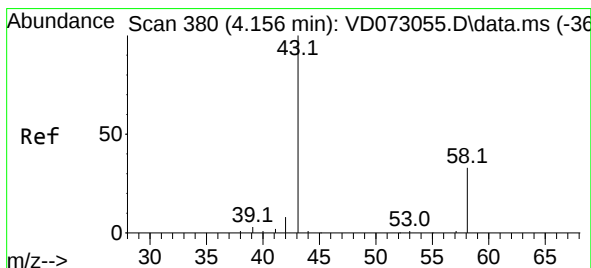
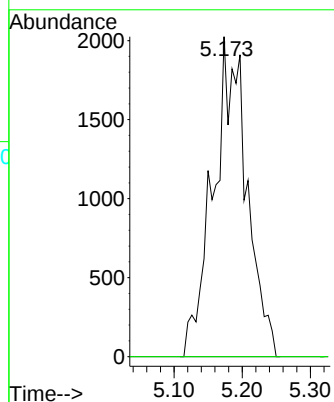


#11
Tert butyl alcohol
Concen: 12.190 ug/l
RT: 5.173 min Scan# 51
Delta R.T. -0.036 min
Lab File: VD073081.D
Acq: 18 May 2022 03:42

Instrument :
MSVOA_D
ClientSampleId :

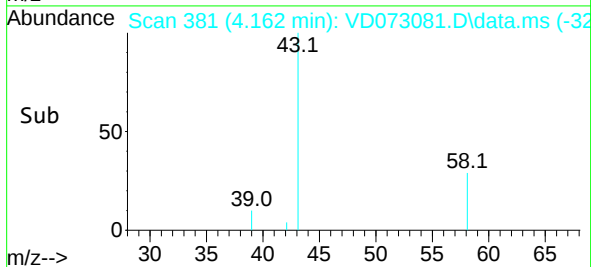
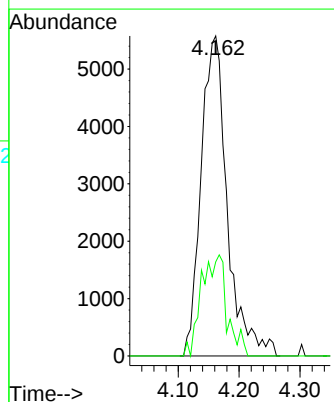
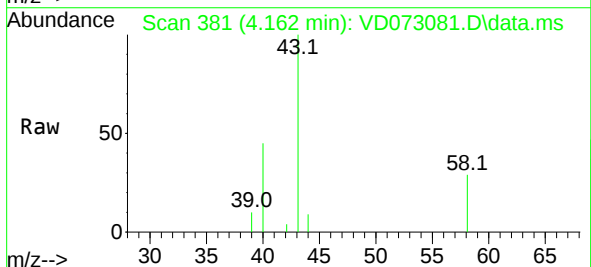


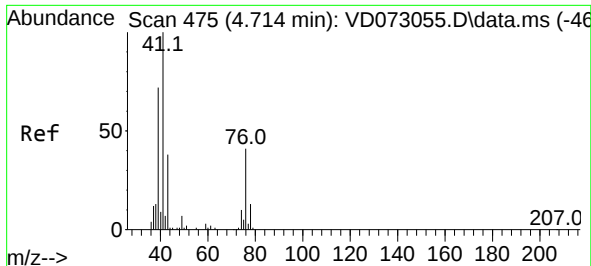
Tgt Ion: 59 Resp: 6933
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#



#16
Acetone
Concen: 25.068 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD073081.D
Acq: 18 May 2022 03:42

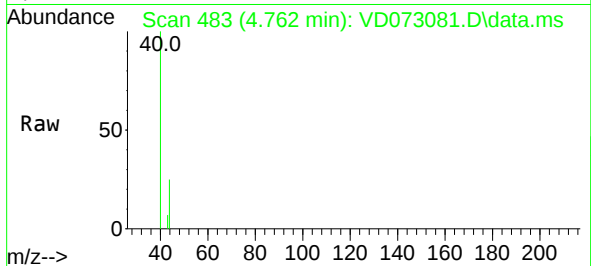
Tgt Ion: 43 Resp: 16680
Ion Ratio Lower Upper
43 100
58 29.4 22.1 33.1



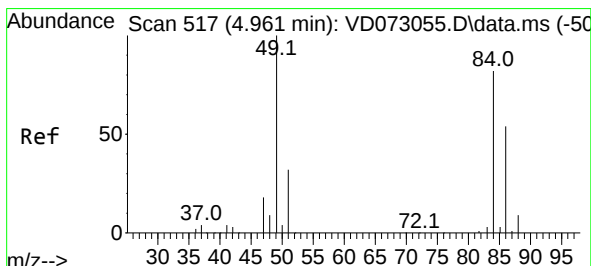
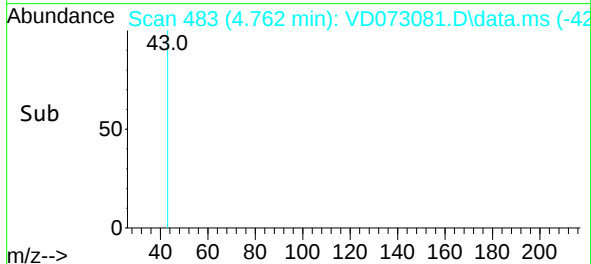
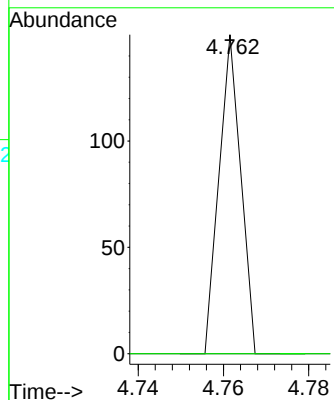


#18
Methyl Acetate
Concen: 1.485 ug/l
RT: 4.762 min Scan# 41
Delta R.T. 0.048 min
Lab File: VD073081.D
Acq: 18 May 2022 03:42

Instrument :
MSVOA_D
ClientSampleId :

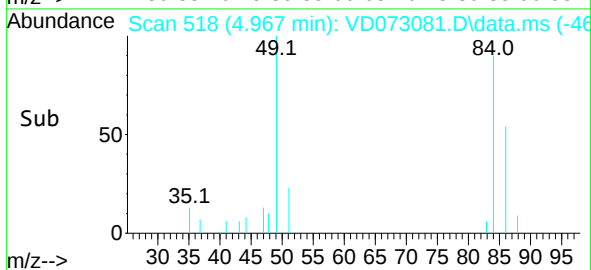
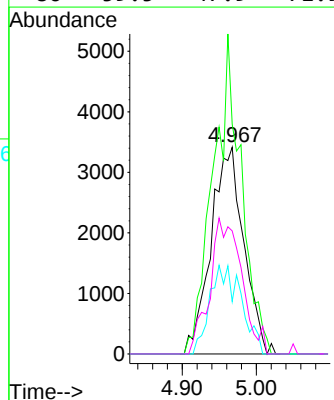
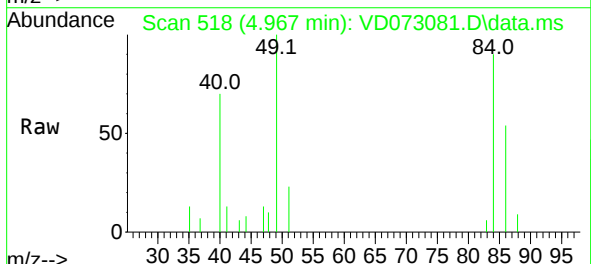


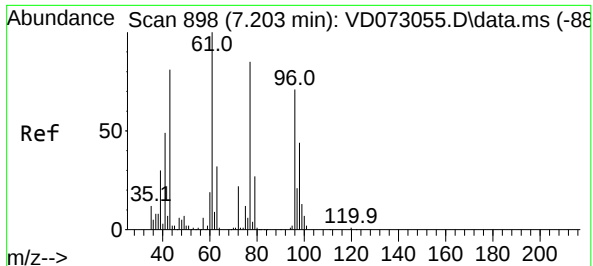
Tgt Ion: 43 Resp: 53
Ion Ratio Lower Upper
43 100
74 0.0 16.7 25.1#



#20
Methylene Chloride
Concen: 2.175 ug/l
RT: 4.967 min Scan# 518
Delta R.T. 0.006 min
Lab File: VD073081.D
Acq: 18 May 2022 03:42

Tgt Ion: 84 Resp: 10506
Ion Ratio Lower Upper
84 100
49 111.1 112.8 169.2#
51 25.4 32.6 48.8#
86 59.5 47.9 71.9

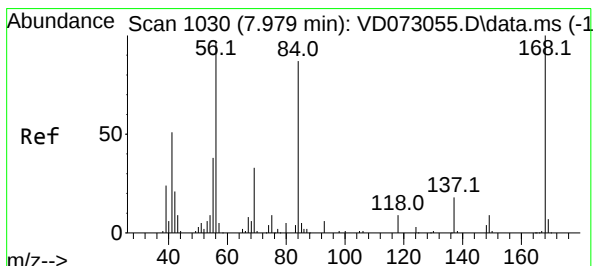
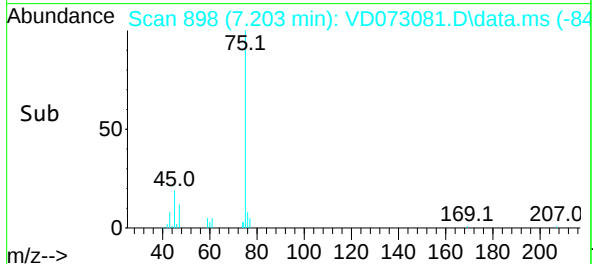
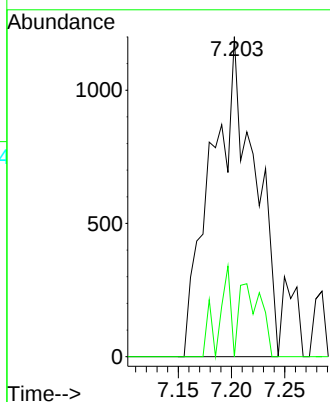
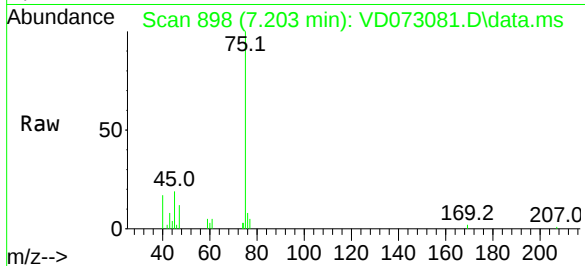




#25
2-Butanone
Concen: 3.329 ug/l
RT: 7.203 min Scan# 898
Delta R.T. 0.000 min
Lab File: VD073081.D
Acq: 18 May 2022 03:42

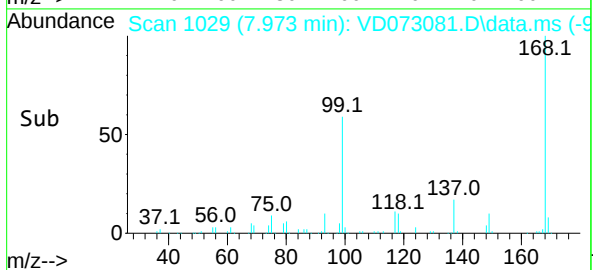
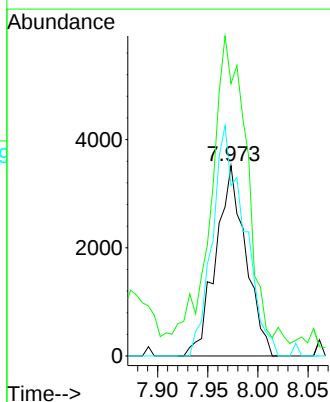
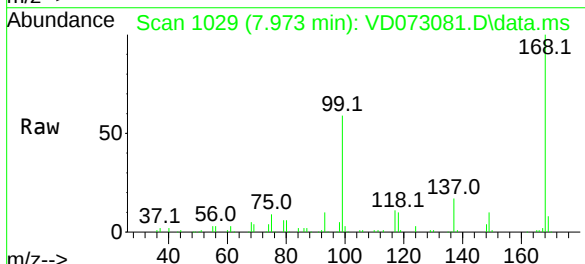
Instrument :
MSVOA_D
ClientSampleId :

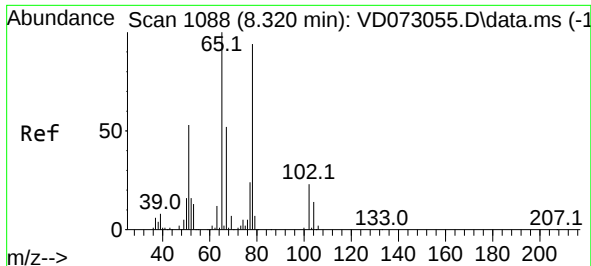
Tgt Ion: 43 Resp: 3354
Ion Ratio Lower Upper
43 100
72 0.0 18.6 27.8#



#31
Cyclohexane
Concen: 1.106 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.006 min
Lab File: VD073081.D
Acq: 18 May 2022 03:42

Tgt Ion: 56 Resp: 7322
Ion Ratio Lower Upper
56 100
69 128.0 25.4 38.2#
84 89.6 63.0 94.4





#33

1,2-Dichloroethane-d4

Concen: 46.498 ug/l

RT: 8.320 min Scan# 1107

Delta R.T. 0.000 min

Lab File: VD073081.D

Acq: 18 May 2022 03:42

Instrument :

MSVOA_D

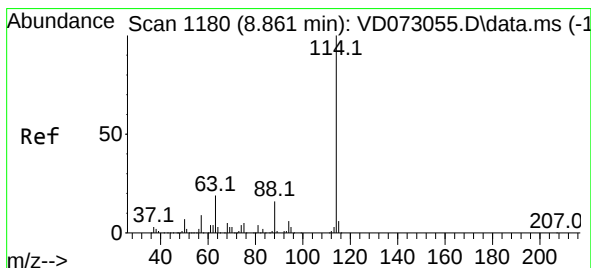
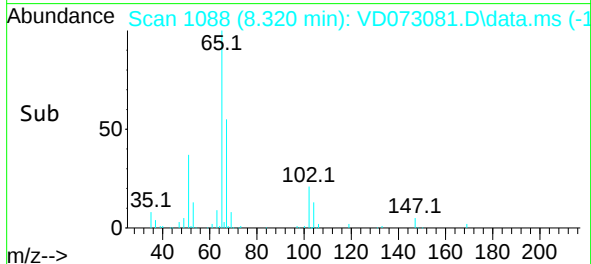
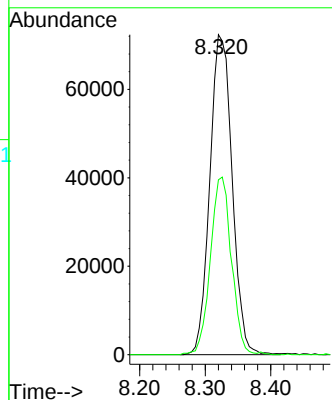
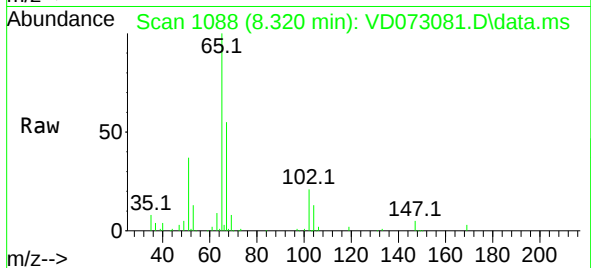
ClientSampleId :

Tgt Ion: 65 Resp: 170969

Ion Ratio Lower Upper

65 100

67 52.3 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: VD073081.D

Acq: 18 May 2022 03:42

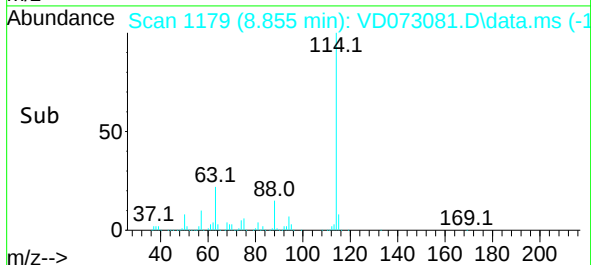
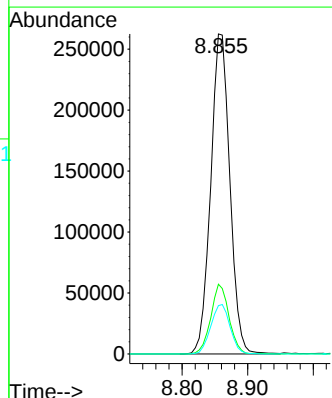
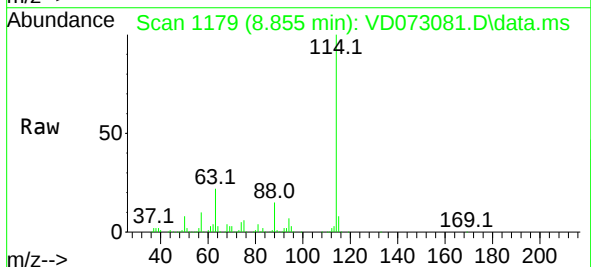
Tgt Ion: 114 Resp: 531592

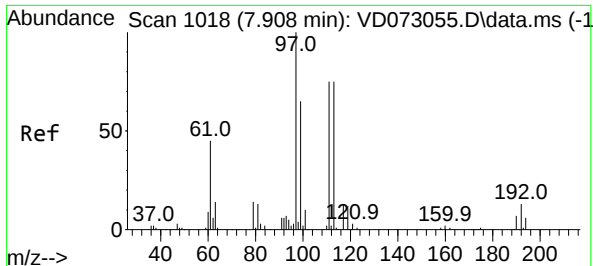
Ion Ratio Lower Upper

114 100

63 21.8 0.0 46.6

88 15.1 0.0 33.2





#35

Dibromofluoromethane

Concen: 47.982 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. 0.000 min

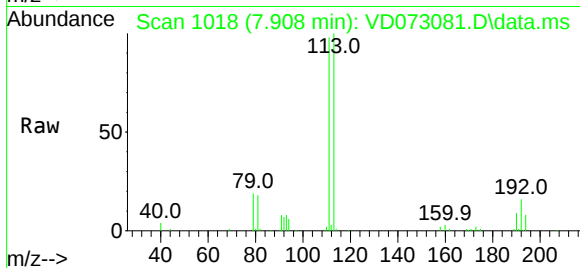
Lab File: VD073081.D

Acq: 18 May 2022 03:42

Instrument :

MSVOA_D

ClientSampleId :



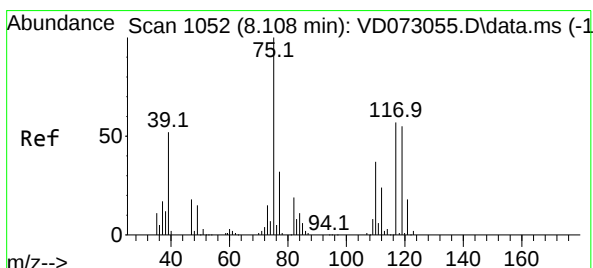
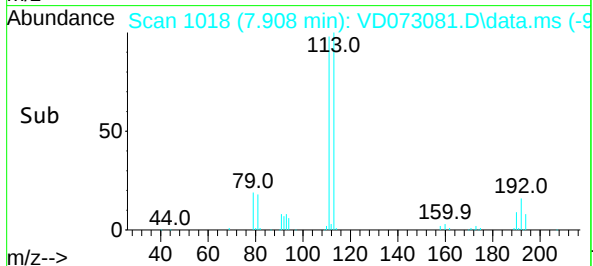
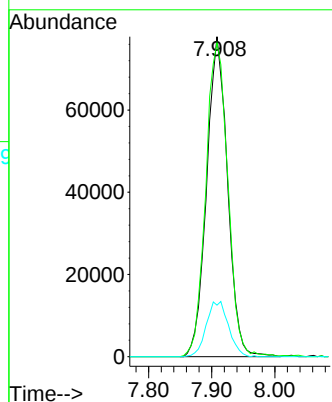
Tgt Ion:113 Resp: 179086

Ion Ratio Lower Upper

113 100

111 103.5 83.8 125.6

192 18.4 14.6 21.8



#36

1,1-Dichloropropene

Concen: 4.157 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.135 min

Lab File: VD073081.D

Acq: 18 May 2022 03:42

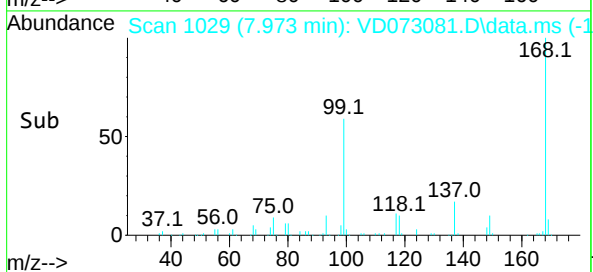
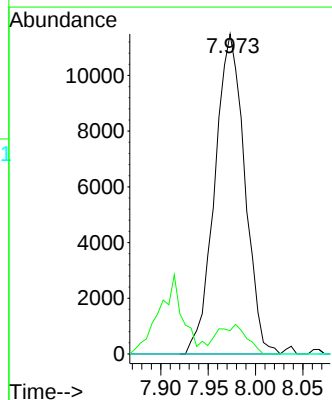
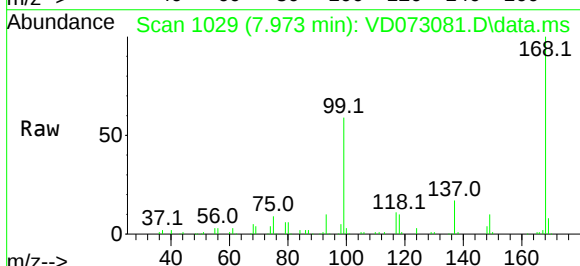
Tgt Ion: 75 Resp: 25282

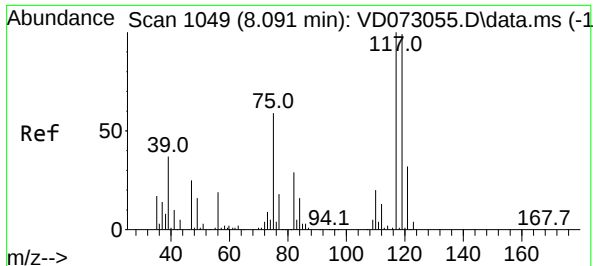
Ion Ratio Lower Upper

75 100

110 8.8 16.4 49.1#

77 0.0 24.2 36.2#





#38

Carbon Tetrachloride

Concen: 4.862 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.118 min

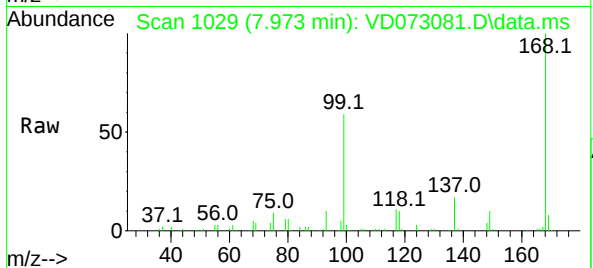
Lab File: VD073081.D

Acq: 18 May 2022 03:42

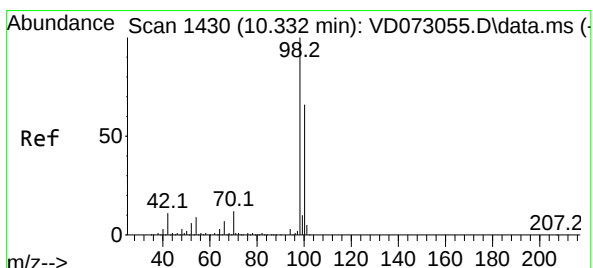
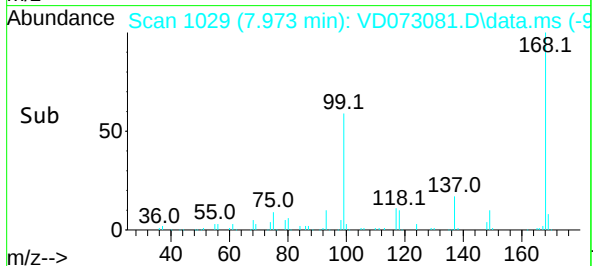
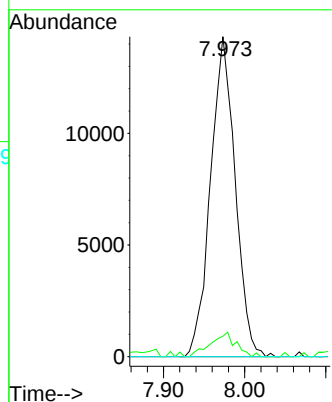
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion:117	Resp:	30251
Ion	Ratio	Lower Upper
117	100	
119	6.4	75.8 113.6#
121	0.0	24.5 36.7#



#50

Toluene-d8

Concen: 48.223 ug/l

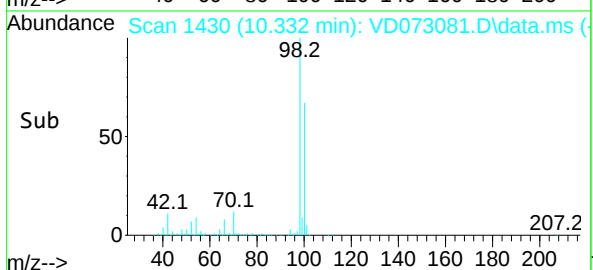
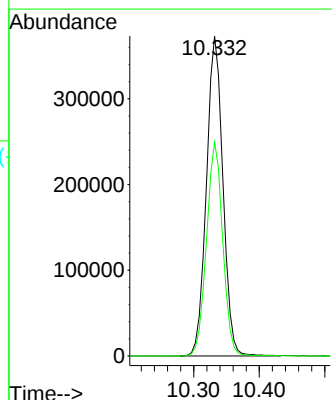
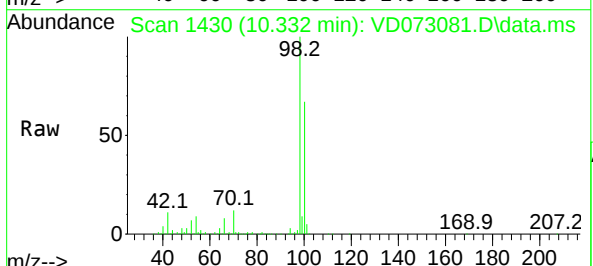
RT: 10.332 min Scan# 1430

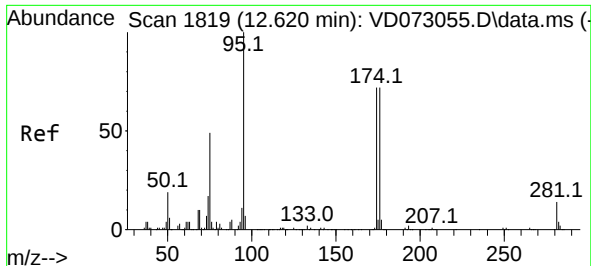
Delta R.T. 0.000 min

Lab File: VD073081.D

Acq: 18 May 2022 03:42

Tgt Ion: 98	Resp:	652957
Ion	Ratio	Lower Upper
98	100	
100	65.8	52.4 78.6

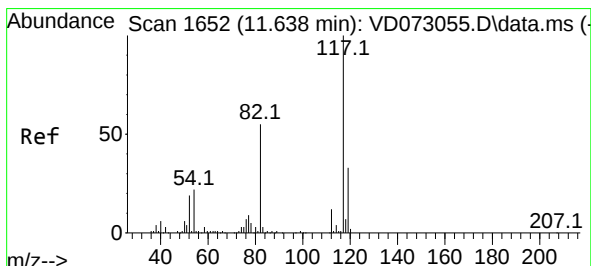
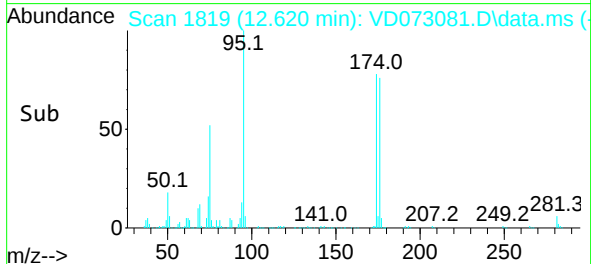
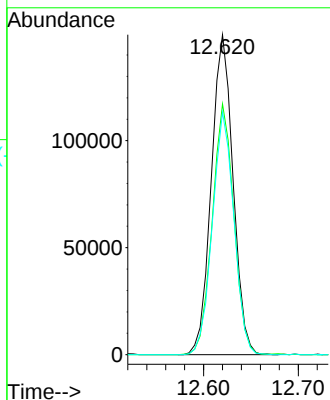
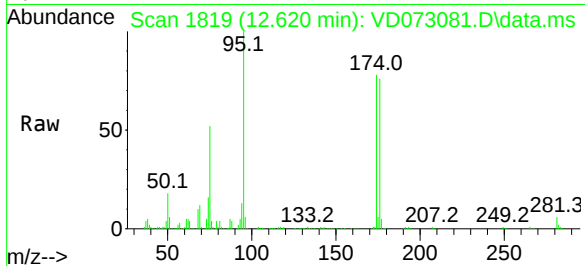




#62
4-Bromofluorobenzene
Concen: 48.573 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD073081.D
Acq: 18 May 2022 03:42

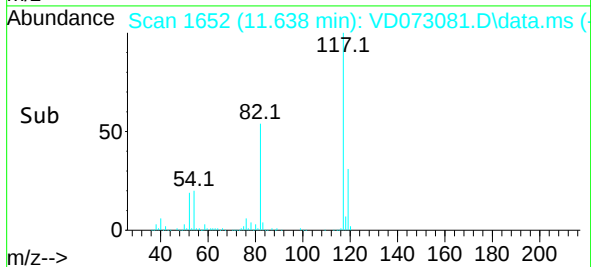
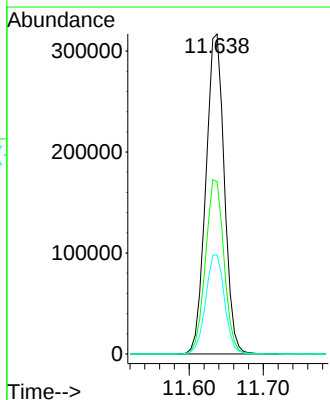
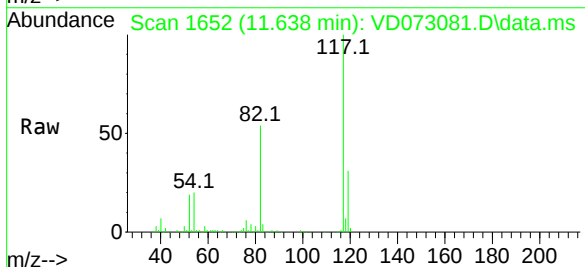
Instrument :
MSVOA_D
ClientSampleId :

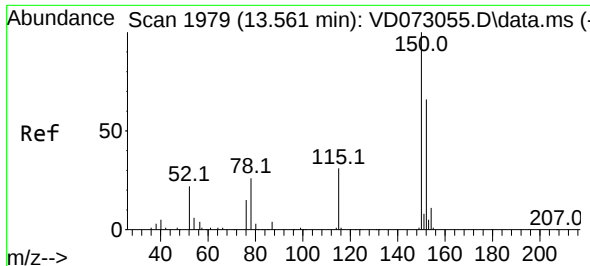
Tgt Ion: 95 Resp: 238215
Ion Ratio Lower Upper
95 100
174 77.8 0.0 152.8
176 75.0 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD073081.D
Acq: 18 May 2022 03:42

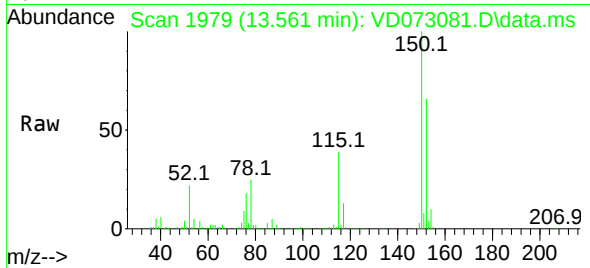
Tgt Ion: 117 Resp: 547823
Ion Ratio Lower Upper
117 100
82 53.9 45.3 67.9
119 31.0 26.6 40.0



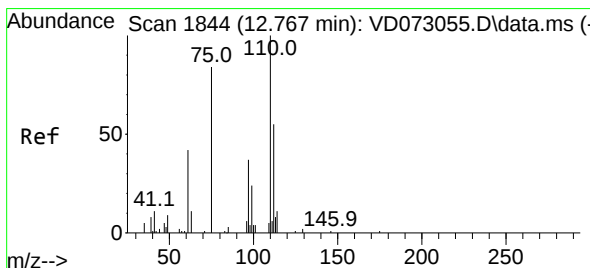
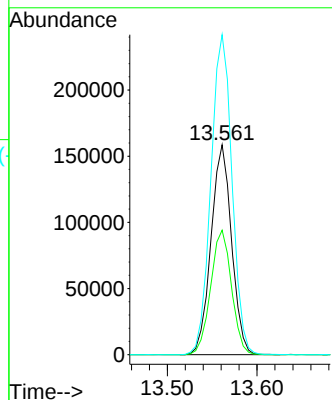
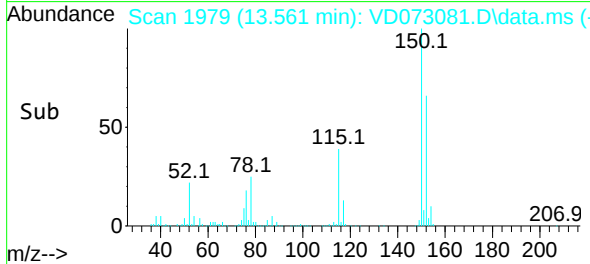


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.561 min Scan# 1979
 Delta R.T. 0.000 min
 Lab File: VD073081.D
 Acq: 18 May 2022 03:42

Instrument :
 MSVOA_D
 ClientSampleId :

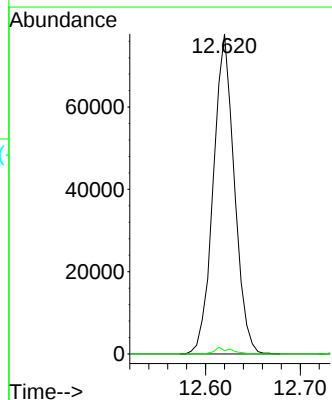
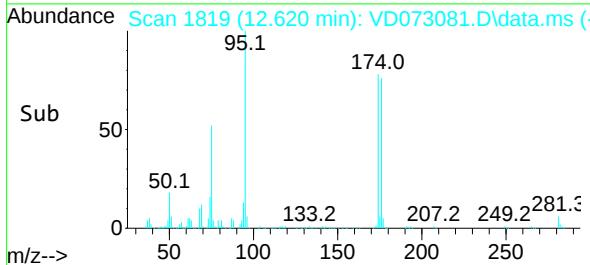
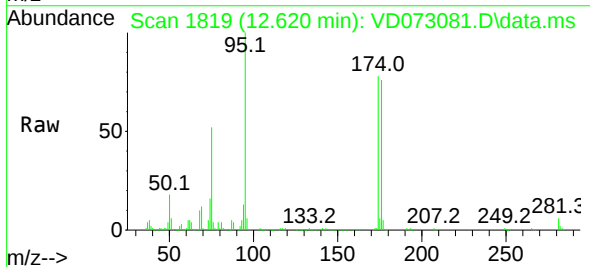


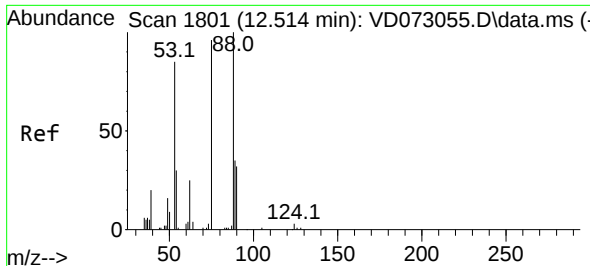
Tgt Ion:152 Resp: 252656
 Ion Ratio Lower Upper
 152 100
 115 60.0 31.3 93.8
 150 156.1 0.0 348.6



#76
 1,2,3-Trichloropropane
 Concen: 41.991 ug/l
 RT: 12.620 min Scan# 1819
 Delta R.T. -0.147 min
 Lab File: VD073081.D
 Acq: 18 May 2022 03:42

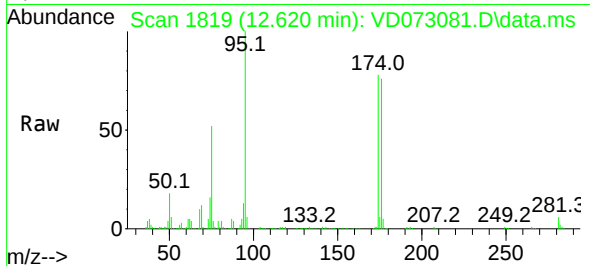
Tgt Ion: 75 Resp: 119930
 Ion Ratio Lower Upper
 75 100
 77 1.6 0.0 0.0#



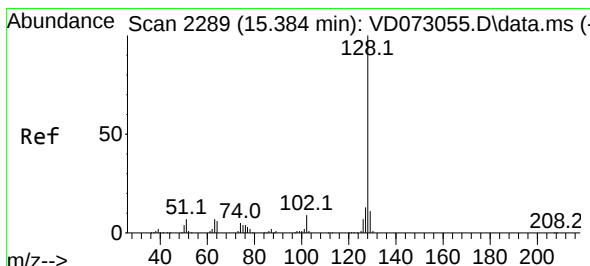
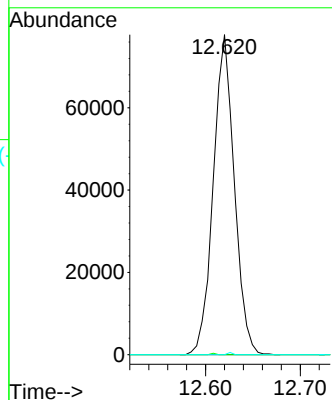
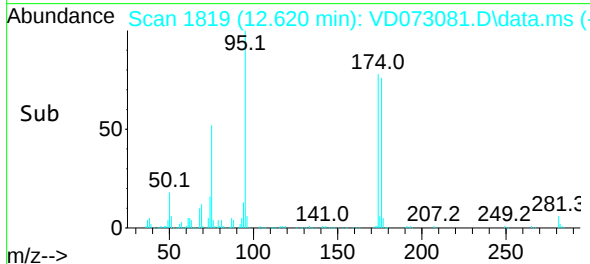


#81
trans-1,4-Dichloro-2-butene
Concen: 100.684 ug/l
RT: 12.620 min Scan# 11
Delta R.T. 0.106 min
Lab File: VD073081.D
Acq: 18 May 2022 03:42

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion: 75 Resp: 119930
Ion Ratio Lower Upper
75 100
53 0.1 86.5 129.7#
89 0.2 33.9 50.9#



#95
Naphthalene
Concen: 4.833 ug/l
RT: 15.379 min Scan# 2288
Delta R.T. -0.005 min
Lab File: VD073081.D
Acq: 18 May 2022 03:42

Tgt Ion: 128 Resp: 6165
Ion Ratio Lower Upper
128 100
127 15.0 10.3 15.5
129 12.9 8.4 12.6#

