

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051722\
 Data File : VD073078.D
 Acq On : 18 May 2022 02:16
 Operator : VA/SY
 Sample : N2820-01
 Misc : 5.06 G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: May 18 05:14:13 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)

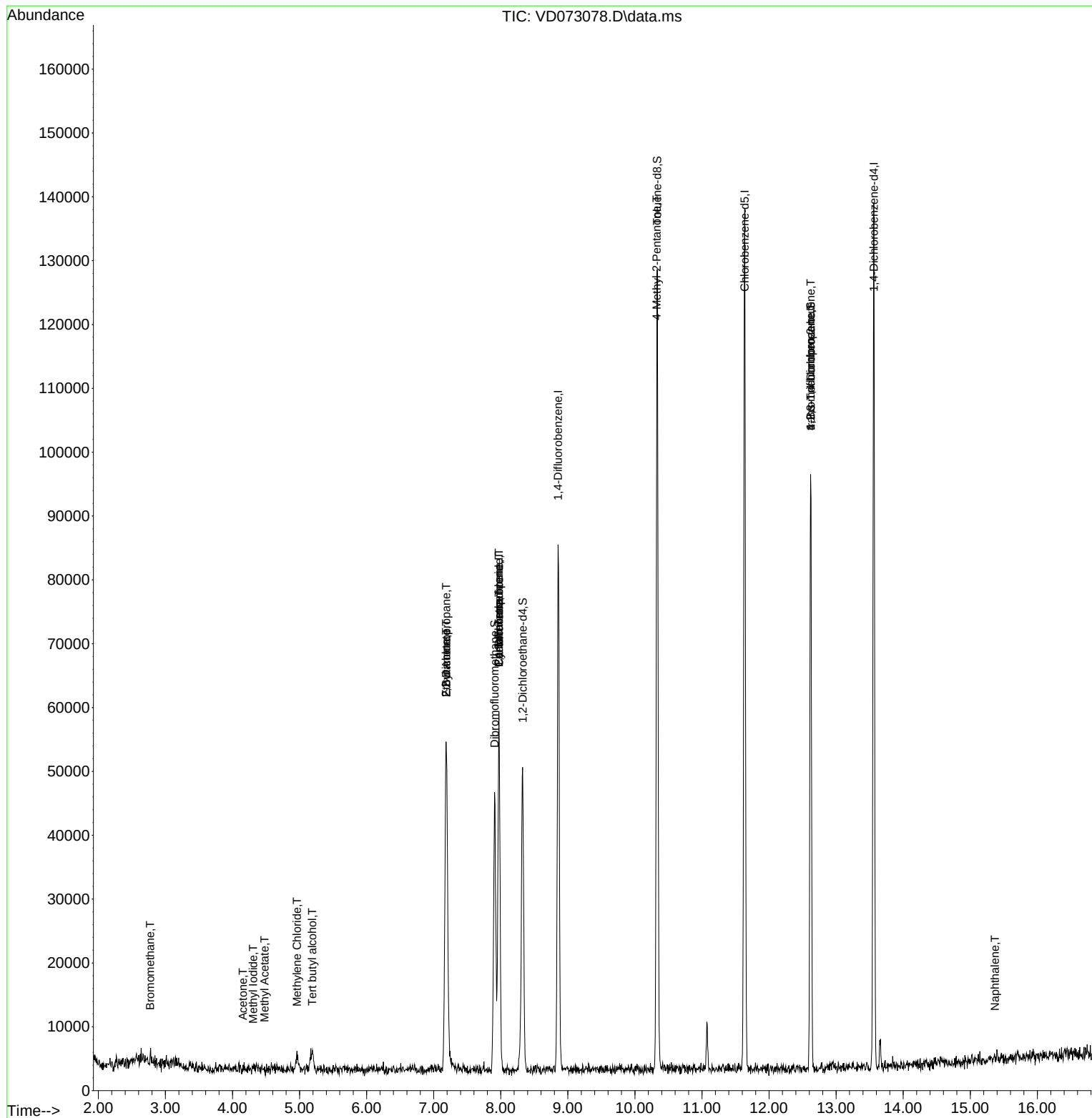
Internal Standards						
1) Pentafluorobenzene	7.973	168	38763	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	68819	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	80022	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	35157	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	39220	80.906	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 161.820%			
35) Dibromofluoromethane	7.908	113	31141	64.449	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 128.900%			
50) Toluene-d8	10.332	98	84957	48.466	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 96.940%			
62) 4-Bromofluorobenzene	12.620	95	32257	50.807	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 101.620%			
Target Compounds						Qvalue
5) Bromomethane	2.773	94	990	3.033	ug/l #	61
10) Methyl Iodide	4.309	142	631	5.275	ug/l #	52
11) Tert butyl alcohol	5.191	59	3362	44.838	ug/l #	74
16) Acetone	4.156	43	249	2.838	ug/l #	47
18) Methyl Acetate	4.479	43	62	1.687	ug/l #	55
20) Methylene Chloride	4.961	84	1103	1.732	ug/l	89
25) 2-Butanone	7.185	43	2952	22.223	ug/l #	52
26) 2,2-Dichloropropane	7.185	77	3457	4.286	ug/l #	54
31) Cyclohexane	7.973	56	1028	1.177	ug/l #	46
36) 1,1-Dichloropropene	7.973	75	3955	5.023	ug/l #	46
37) Ethyl Acetate	7.185	43	2952	8.928	ug/l #	1
38) Carbon Tetrachloride	7.973	117	4616	5.731	ug/l #	19
51) 4-Methyl-2-Pentanone	10.326	43	388	1.209	ug/l #	1
76) 1,2,3-Trichloropropane	12.620	75	16381	41.218	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	16381	98.830	ug/l #	7
95) Naphthalene	15.367	128	53	4.296	ug/l #	70

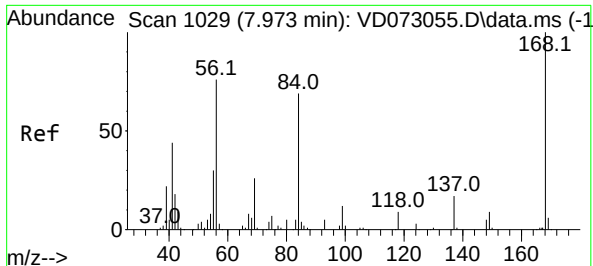
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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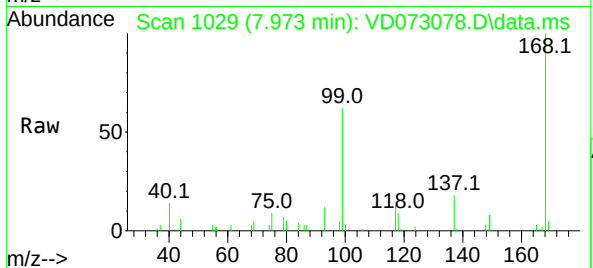
Quant Time: May 18 05:14:13 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051722S.M
Quant Title : SW846 8260
QLast Update : Wed May 18 04:58:34 2022
Response via : Initial Calibration



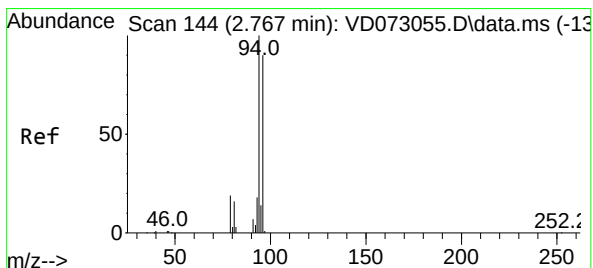
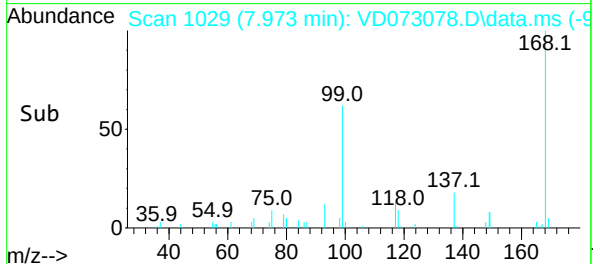
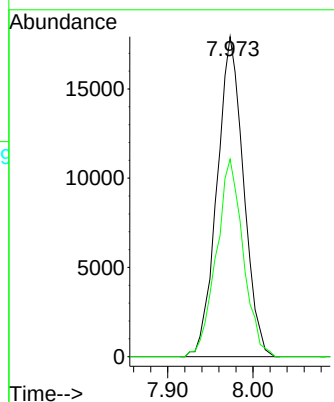


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD073078.D
Acq: 18 May 2022 02:16

Instrument :
MSVOA_D
ClientSampleId :

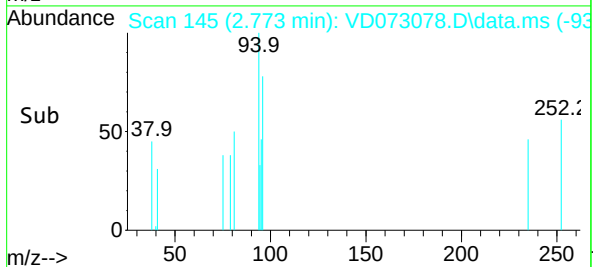
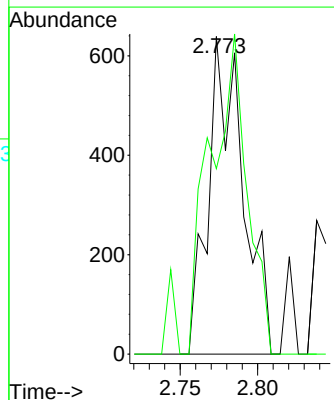
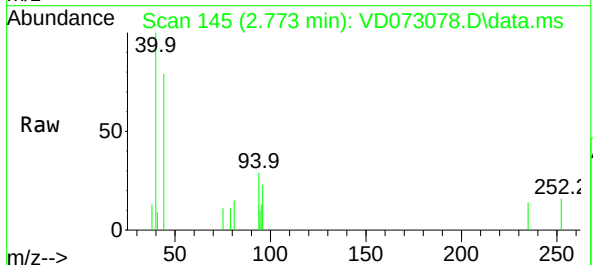


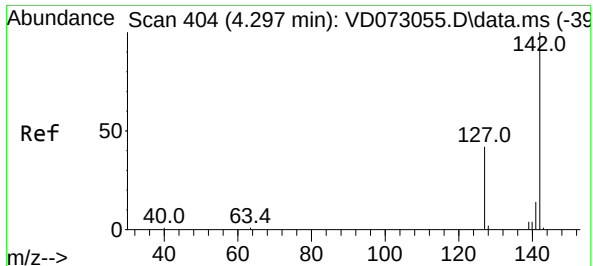
Tgt Ion:168 Resp: 38763
Ion Ratio Lower Upper
168 100
99 61.7 49.8 74.6



#5
Bromomethane
Concen: 3.033 ug/l
RT: 2.773 min Scan# 145
Delta R.T. 0.006 min
Lab File: VD073078.D
Acq: 18 May 2022 02:16

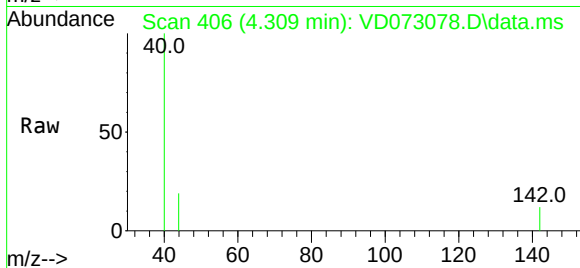
Tgt Ion: 94 Resp: 990
Ion Ratio Lower Upper
94 100
96 58.4 77.6 116.4#



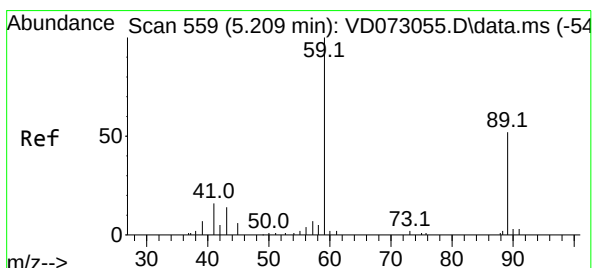
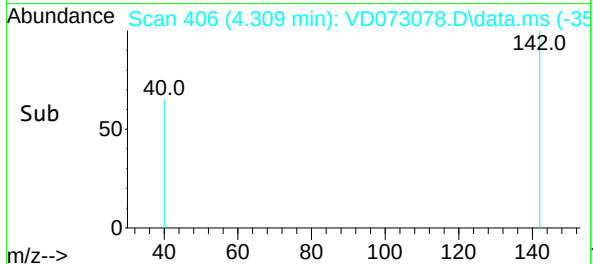
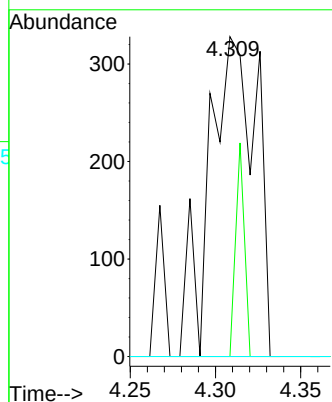


#10
Methyl Iodide
Concen: 5.275 ug/l
RT: 4.309 min Scan# 404
Delta R.T. 0.012 min
Lab File: VD073078.D
Acq: 18 May 2022 02:16

Instrument :
MSVOA_D
ClientSampleId :

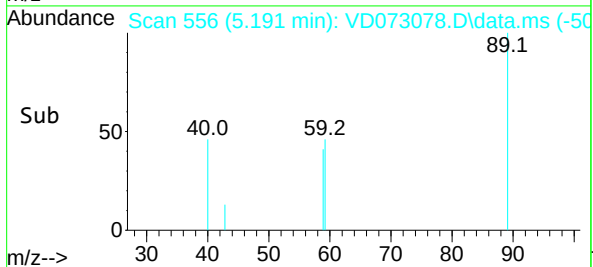
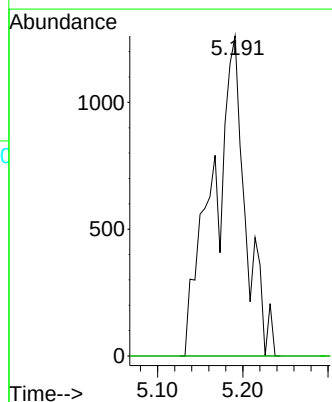
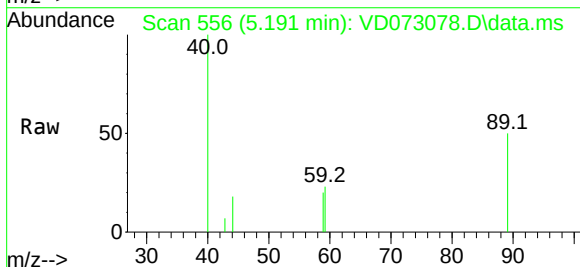


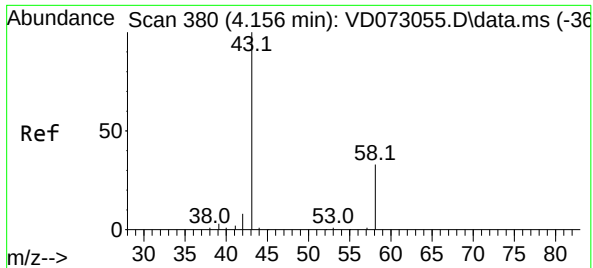
Tgt Ion:142 Resp: 631
Ion Ratio Lower Upper
142 100
127 12.2 37.3 55.9#
141 0.0 11.7 17.5#



#11
Tert butyl alcohol
Concen: 44.838 ug/l
RT: 5.191 min Scan# 556
Delta R.T. -0.018 min
Lab File: VD073078.D
Acq: 18 May 2022 02:16

Tgt Ion: 59 Resp: 3362
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#

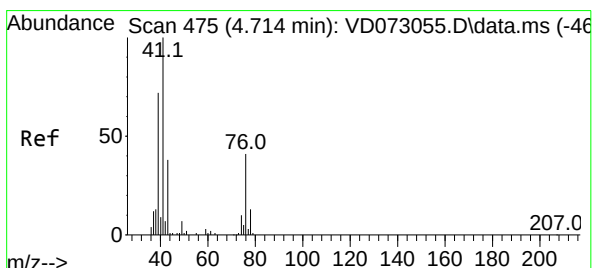
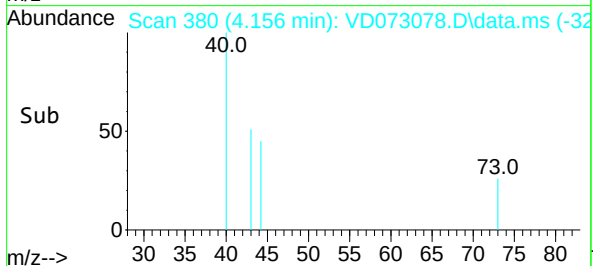
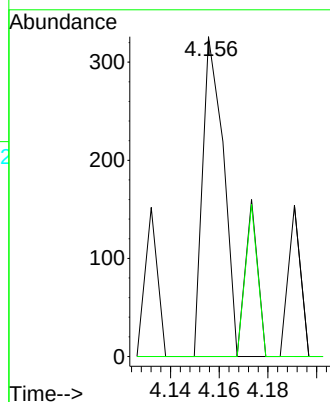
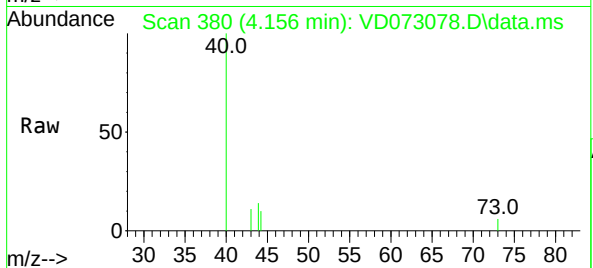




#16
Acetone
Concen: 2.838 ug/l
RT: 4.156 min Scan# 31
Delta R.T. -0.000 min
Lab File: VD073078.D
Acq: 18 May 2022 02:16

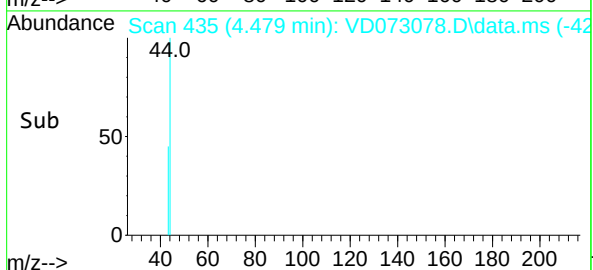
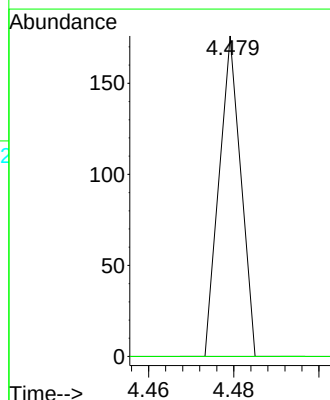
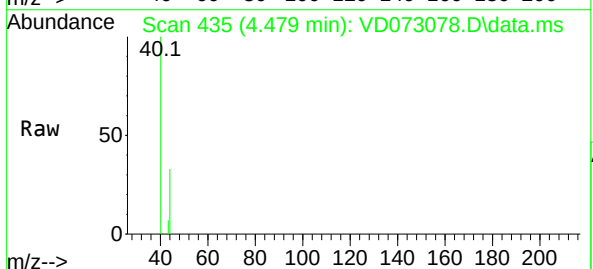
Instrument :
MSVOA_D
ClientSampleId :

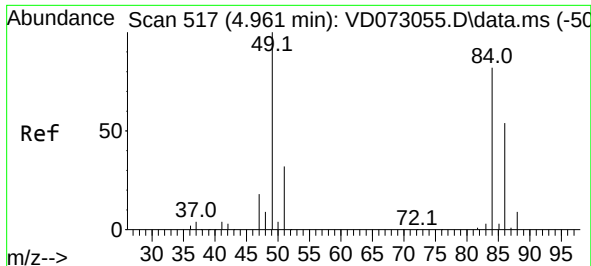
Tgt Ion: 43 Resp: 249
Ion Ratio Lower Upper
43 100
58 0.0 22.1 33.1#



#18
Methyl Acetate
Concen: 1.687 ug/l
RT: 4.479 min Scan# 435
Delta R.T. -0.235 min
Lab File: VD073078.D
Acq: 18 May 2022 02:16

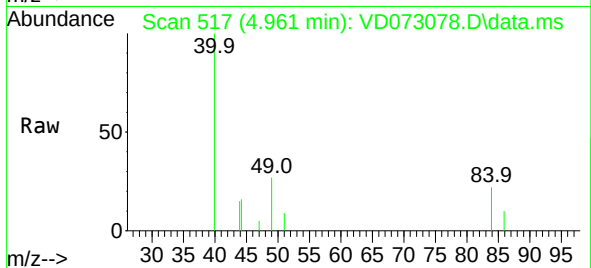
Tgt Ion: 43 Resp: 62
Ion Ratio Lower Upper
43 100
74 0.0 16.7 25.1#



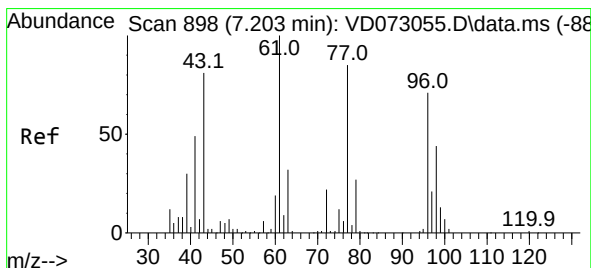
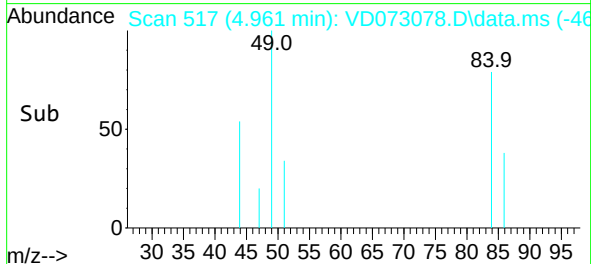
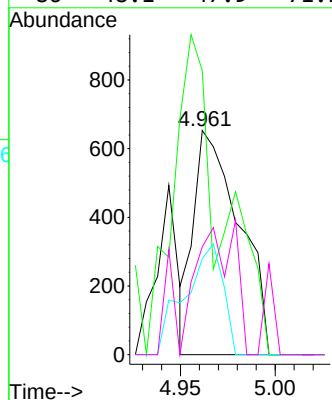


#20
Methylene Chloride
Concen: 1.732 ug/l
RT: 4.961 min Scan# 517
Delta R.T. -0.000 min
Lab File: VD073078.D
Acq: 18 May 2022 02:16

Instrument :
MSVOA_D
ClientSampleId :

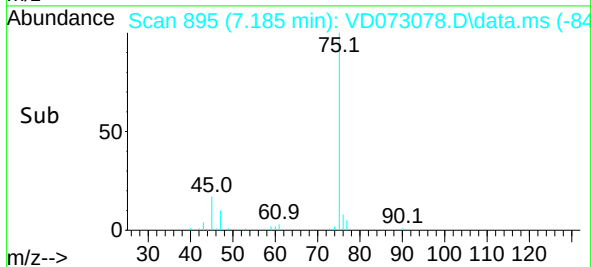
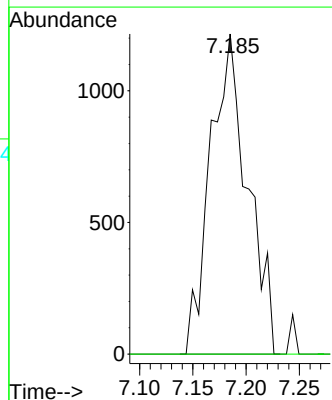
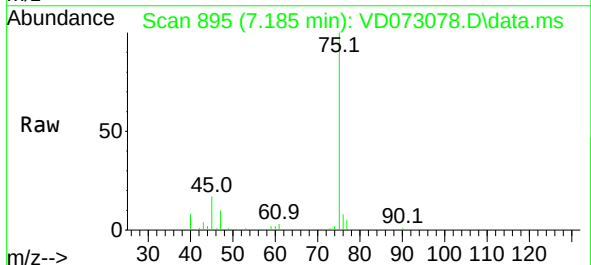


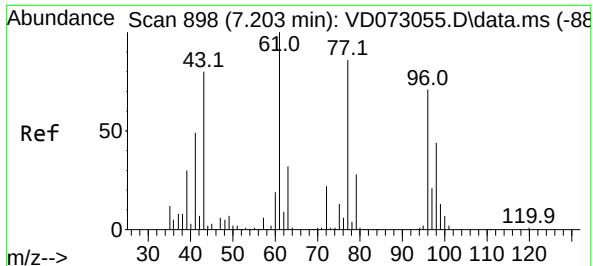
Tgt Ion: 84	Resp: 1103
Ion Ratio	Lower Upper
84 100	
49 126.6	112.8 169.2
51 42.9	32.6 48.8
86 48.1	47.9 71.9



#25
2-Butanone
Concen: 22.223 ug/l
RT: 7.185 min Scan# 895
Delta R.T. -0.018 min
Lab File: VD073078.D
Acq: 18 May 2022 02:16

Tgt Ion: 43	Resp: 2952
Ion Ratio	Lower Upper
43 100	
72 0.0	18.6 27.8#





#26

2,2-Dichloropropane

Concen: 4.286 ug/l

RT: 7.185 min Scan# 89

Delta R.T. -0.018 min

Lab File: VD073078.D

Acq: 18 May 2022 02:16

Instrument :

MSVOA_D

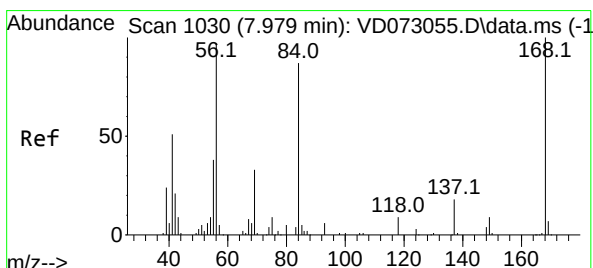
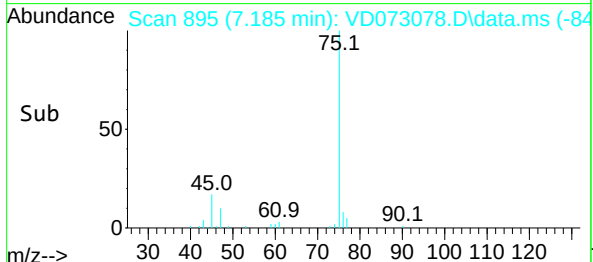
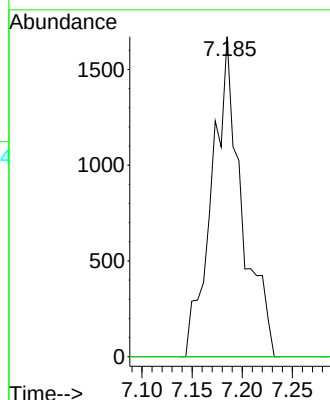
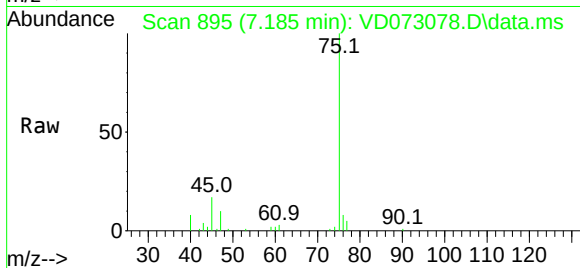
ClientSampleId :

Tgt Ion: 77 Resp: 3457

Ion Ratio Lower Upper

77 100

97 0.0 10.8 32.4#



#31

Cyclohexane

Concen: 1.177 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.006 min

Lab File: VD073078.D

Acq: 18 May 2022 02:16

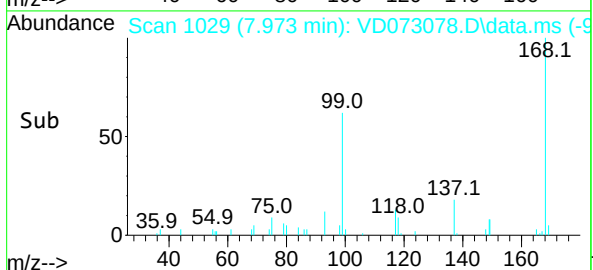
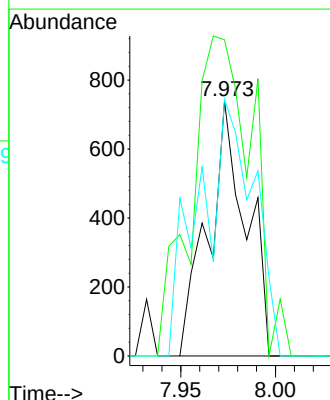
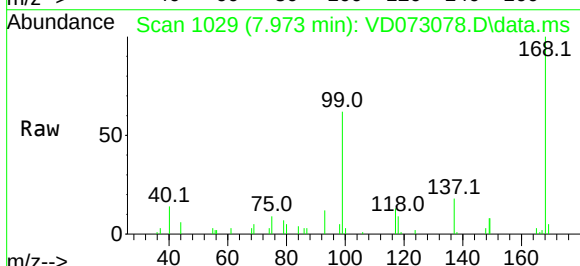
Tgt Ion: 56 Resp: 1028

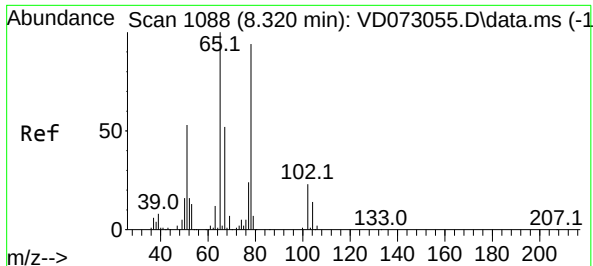
Ion Ratio Lower Upper

56 100

69 101.8 25.4 38.2#

84 100.8 63.0 94.4#





#33

1,2-Dichloroethane-d4

Concen: 80.906 ug/l

RT: 8.326 min Scan# 1107

Delta R.T. 0.006 min

Lab File: VD073078.D

Acq: 18 May 2022 02:16

Instrument :

MSVOA_D

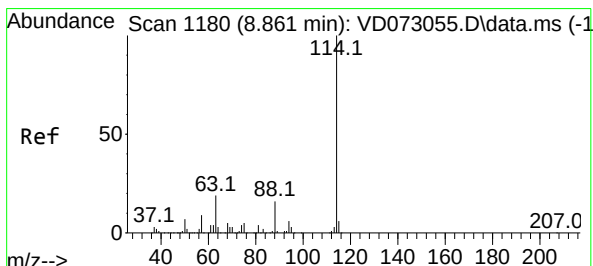
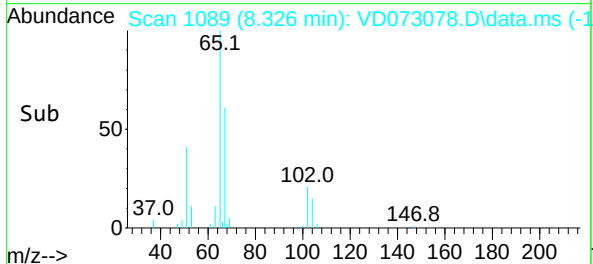
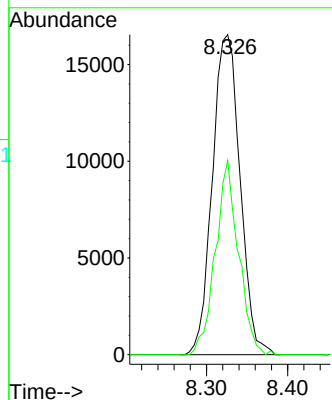
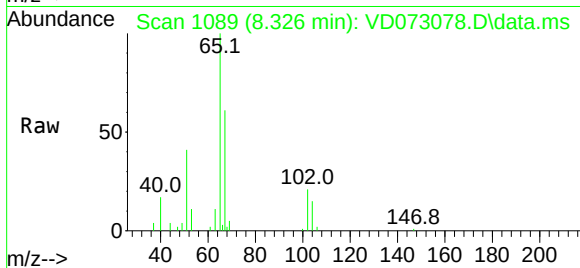
ClientSampleId :

Tgt Ion: 65 Resp: 39220

Ion Ratio Lower Upper

65 100

67 50.8 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: VD073078.D

Acq: 18 May 2022 02:16

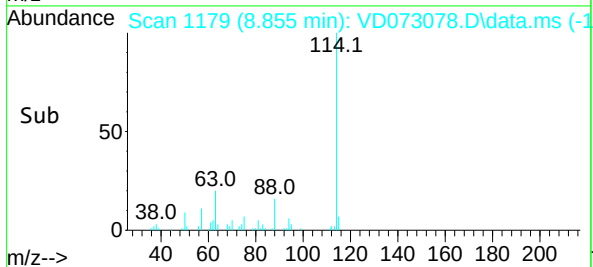
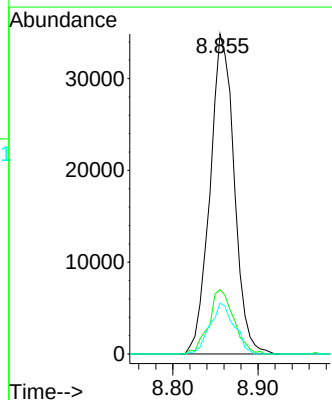
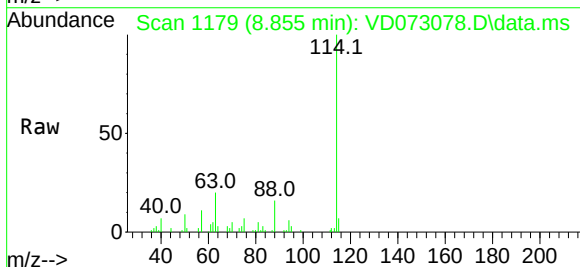
Tgt Ion: 114 Resp: 68819

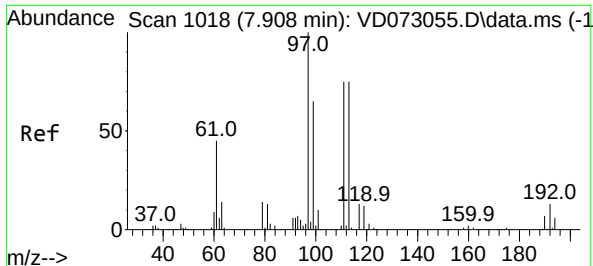
Ion Ratio Lower Upper

114 100

63 20.1 0.0 46.6

88 15.9 0.0 33.2





#35

Dibromofluoromethane

Concen: 64.449 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.000 min

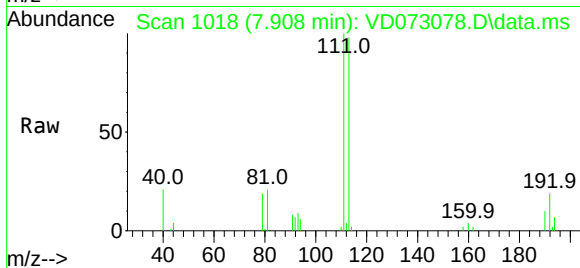
Lab File: VD073078.D

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Instrument :

MSVOA_D

ClientSampleId :



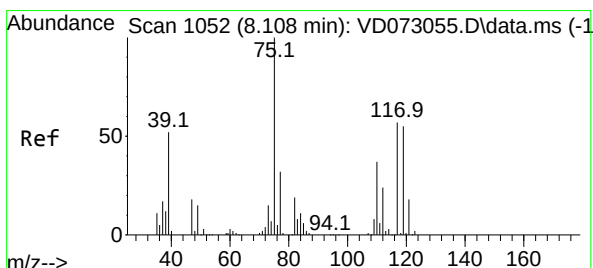
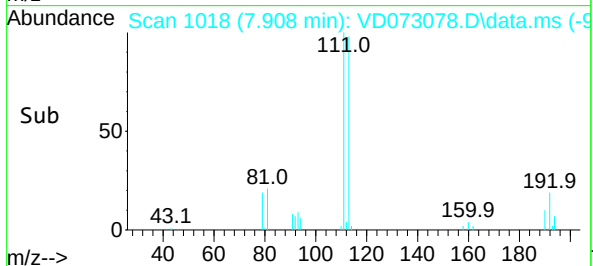
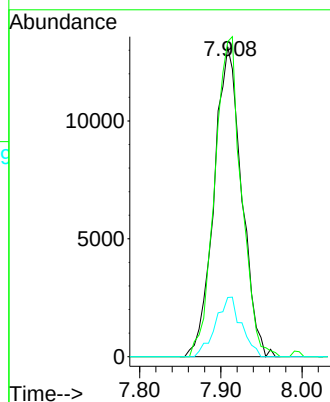
Tgt Ion:113 Resp: 31141

Ion Ratio Lower Upper

113 100

111 99.8 83.8 125.6

192 17.9 14.6 21.8



#36

1,1-Dichloropropene

Concen: 5.023 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.135 min

Lab File: VD073078.D

Acq: 18 May 2022 02:16

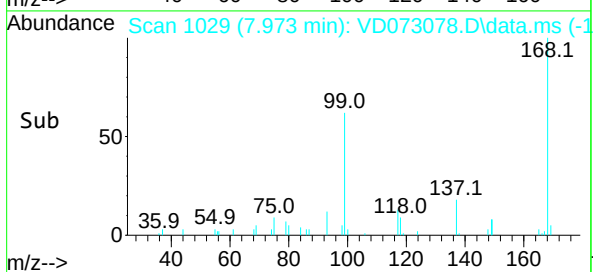
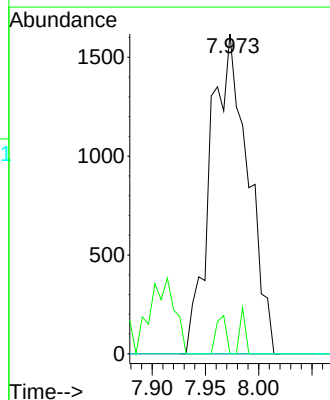
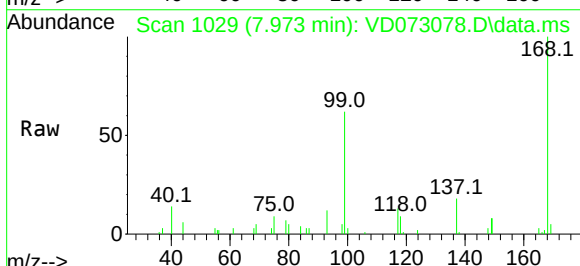
Tgt Ion: 75 Resp: 3955

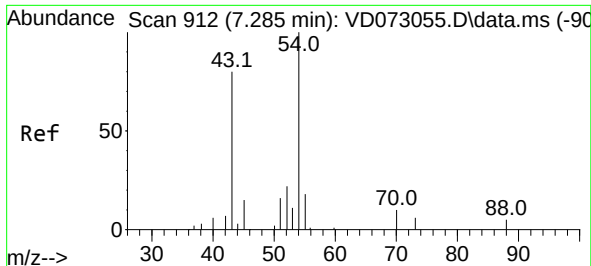
Ion Ratio Lower Upper

75 100

110 3.2 16.4 49.1#

77 0.0 24.2 36.2#





#37

Ethyl Acetate

Concen: 8.928 ug/l

RT: 7.185 min Scan# 895

Delta R.T. -0.100 min

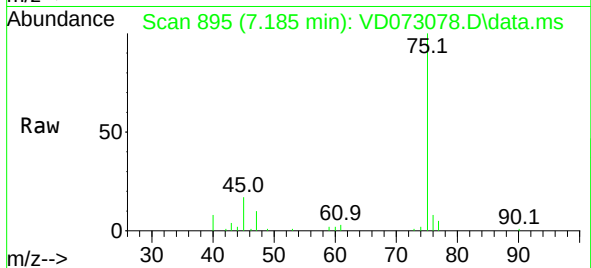
Lab File: VD073078.D

Acq: 18 May 2022 02:16

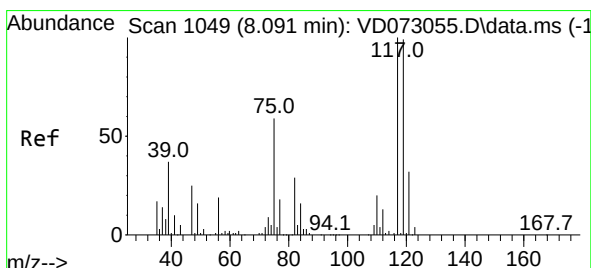
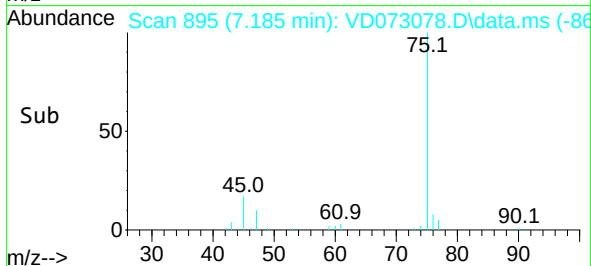
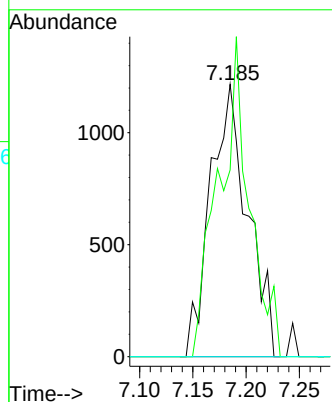
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion: 43	Resp: 2952
Ion Ratio	Lower Upper
43	100
61	97.0 9.8 14.8#
70	0.0 6.9 10.3#



#38

Carbon Tetrachloride

Concen: 5.731 ug/l

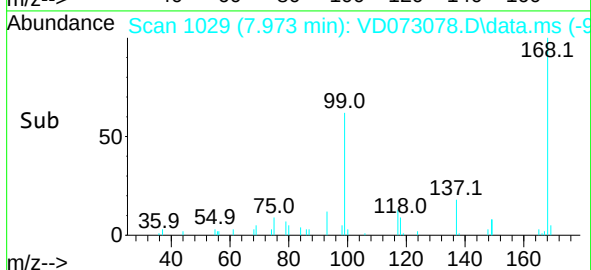
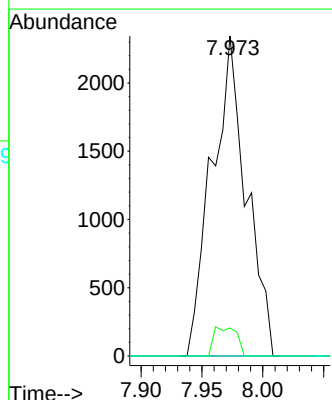
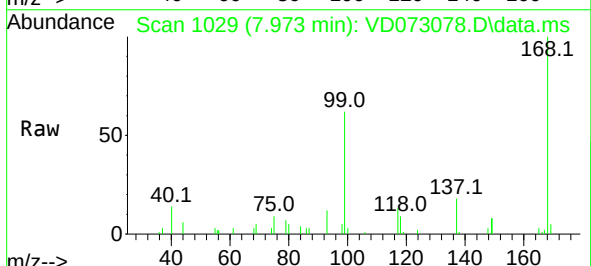
RT: 7.973 min Scan# 1029

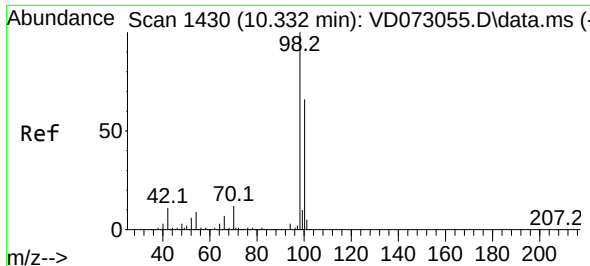
Delta R.T. -0.118 min

Lab File: VD073078.D

Acq: 18 May 2022 02:16

Tgt Ion: 117	Resp: 4616
Ion Ratio	Lower Upper
117	100
119	8.7 75.8 113.6#
121	0.0 24.5 36.7#

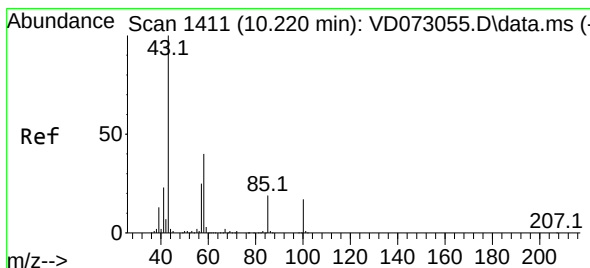
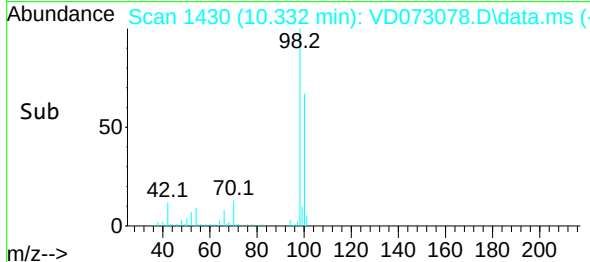
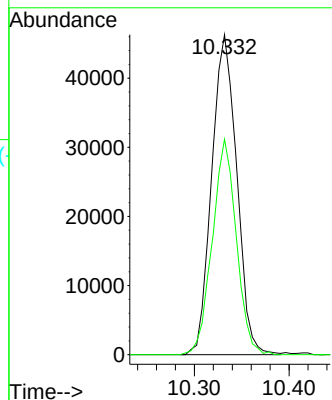
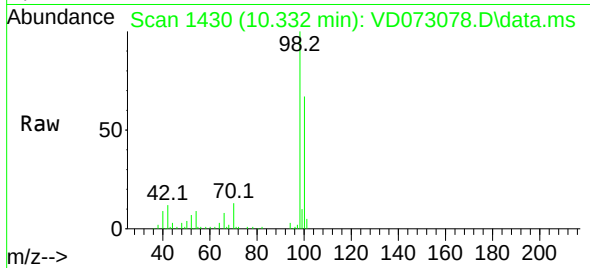




#50
Toluene-d8
Concen: 48.466 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD073078.D
Acq: 18 May 2022 02:16

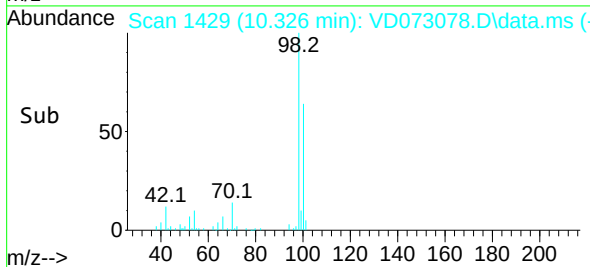
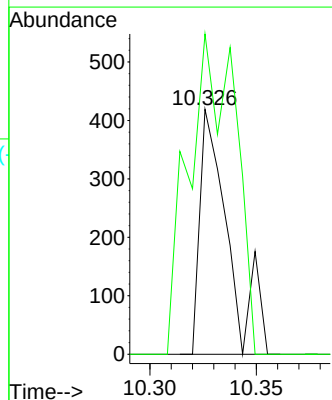
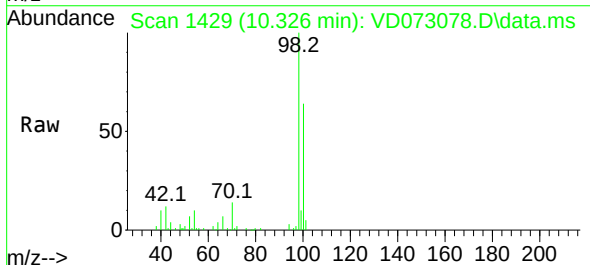
Instrument :
MSVOA_D
ClientSampleId :

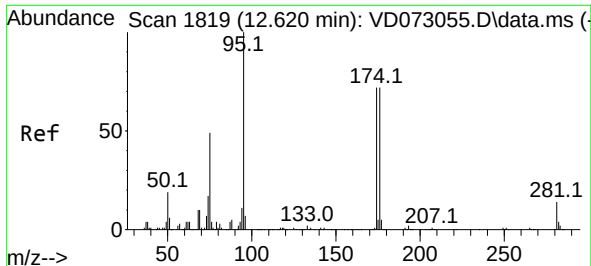
Tgt Ion: 98 Resp: 84957
Ion Ratio Lower Upper
98 100
100 64.8 52.4 78.6



#51
4-Methyl-2-Pentanone
Concen: 1.209 ug/l
RT: 10.326 min Scan# 1429
Delta R.T. 0.106 min
Lab File: VD073078.D
Acq: 18 May 2022 02:16

Tgt Ion: 43 Resp: 388
Ion Ratio Lower Upper
43 100
58 217.0 28.6 43.0#

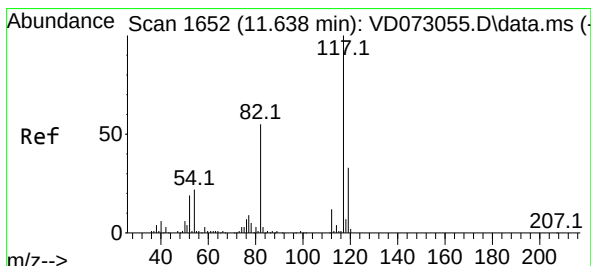
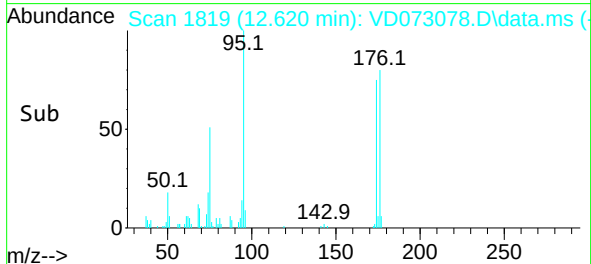
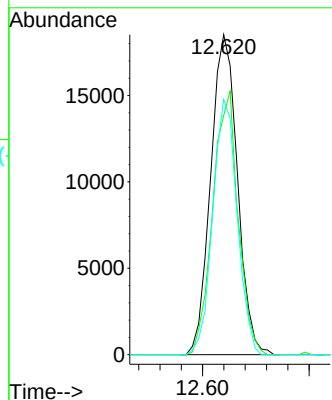
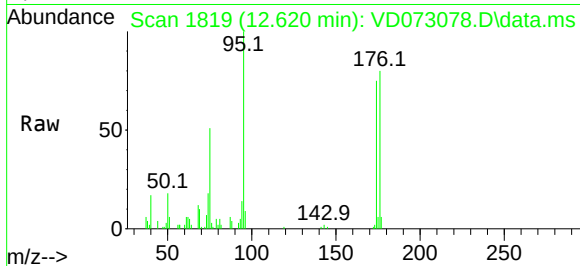




#62
4-Bromofluorobenzene
Concen: 50.807 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD073078.D
Acq: 18 May 2022 02:16

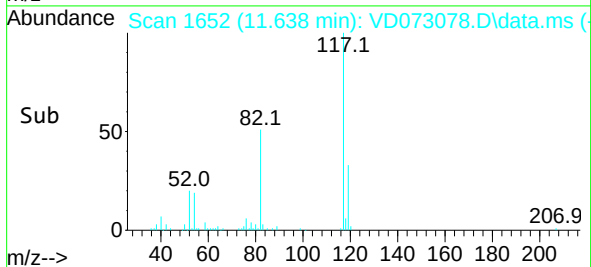
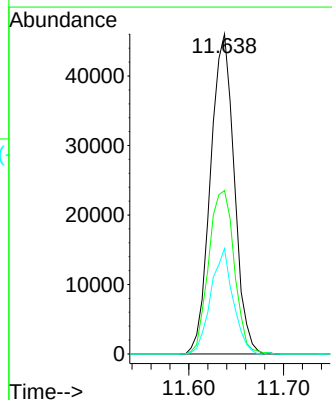
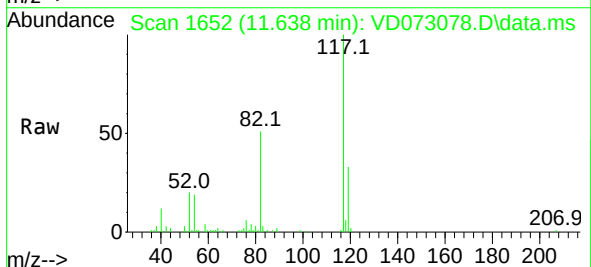
Instrument :
MSVOA_D
ClientSampleId :

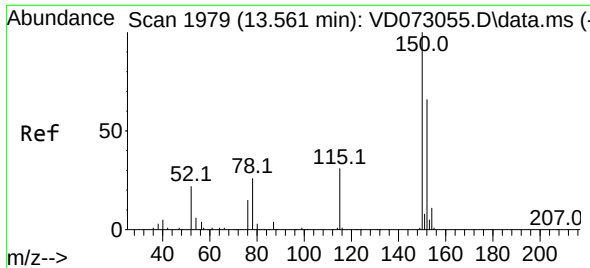
Tgt Ion: 95 Resp: 32257
Ion Ratio Lower Upper
95 100
174 78.0 0.0 152.8
176 72.9 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD073078.D
Acq: 18 May 2022 02:16

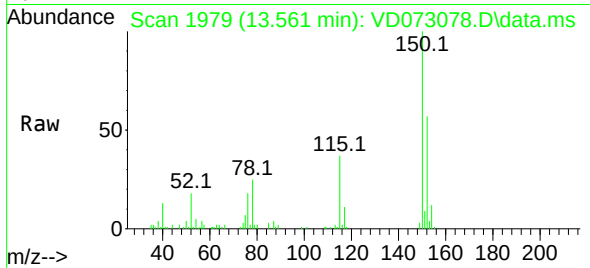
Tgt Ion: 117 Resp: 80022
Ion Ratio Lower Upper
117 100
82 51.0 45.3 67.9
119 32.9 26.6 40.0



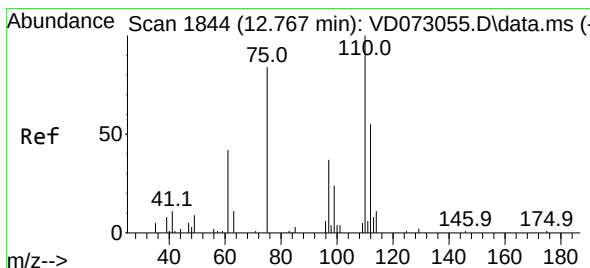
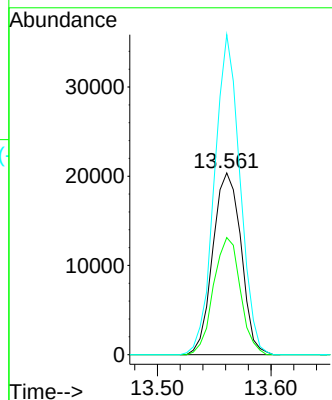
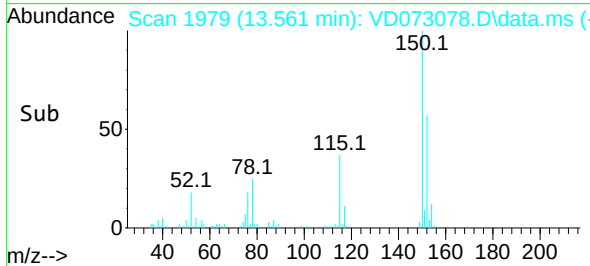


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.561 min Scan# 1979
 Delta R.T. -0.000 min
 Lab File: VD073078.D
 Acq: 18 May 2022 02:16

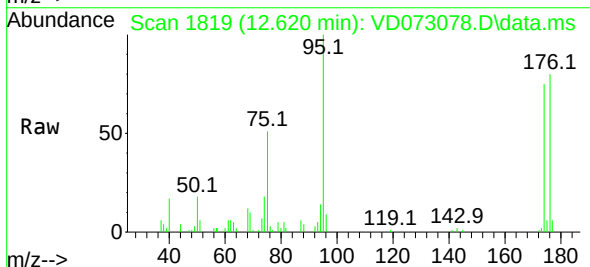
Instrument :
 MSVOA_D
 ClientSampleId :



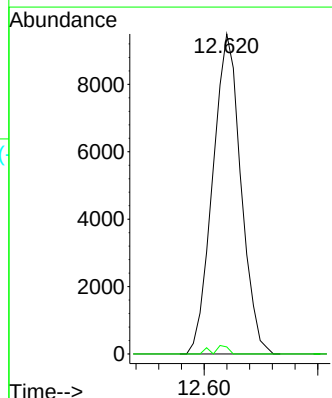
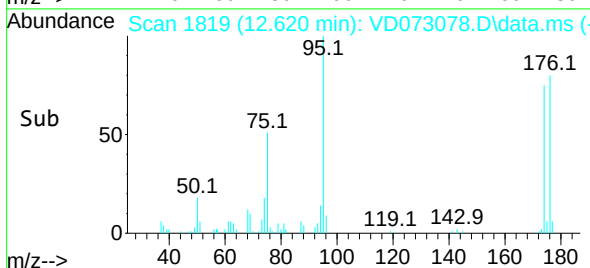
Tgt Ion:152 Resp: 35157
 Ion Ratio Lower Upper
 152 100
 115 61.4 31.3 93.8
 150 160.2 0.0 348.6

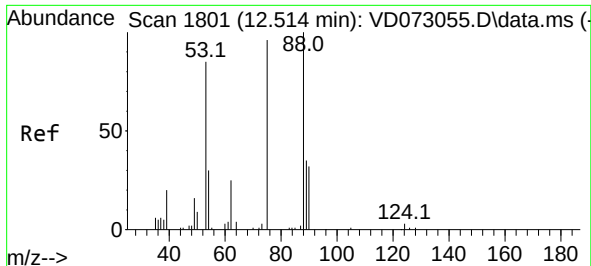


#76
 1,2,3-Trichloropropane
 Concen: 41.218 ug/l
 RT: 12.620 min Scan# 1819
 Delta R.T. -0.147 min
 Lab File: VD073078.D
 Acq: 18 May 2022 02:16



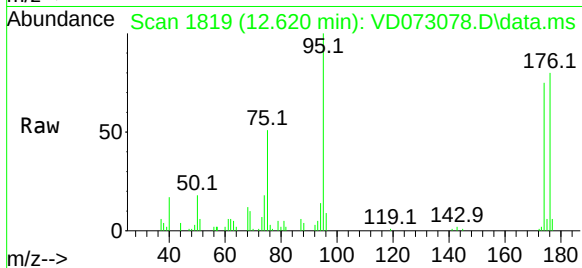
Tgt Ion: 75 Resp: 16381
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#



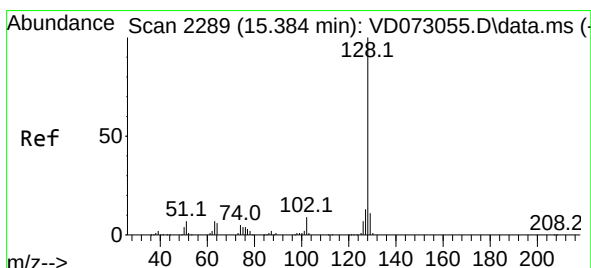
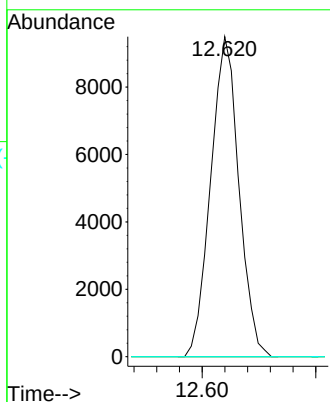
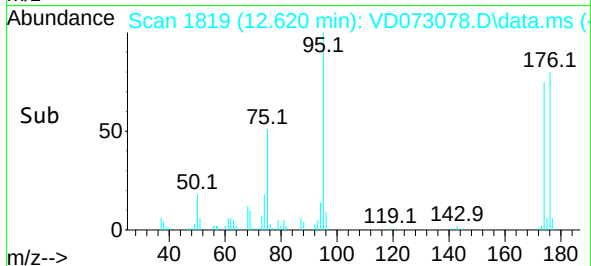


#81
trans-1,4-Dichloro-2-butene
Concen: 98.830 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD073078.D
Acq: 18 May 2022 02:16

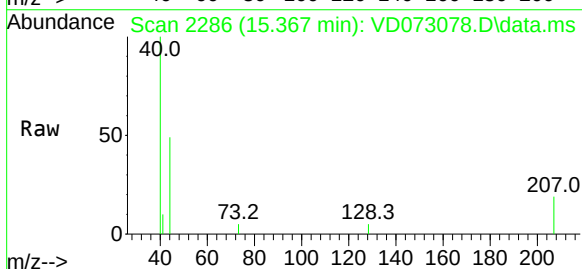
Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion: 75 Resp: 16381
Ion Ratio Lower Upper
75 100
53 0.0 86.5 129.7#
89 0.0 33.9 50.9#



#95
Naphthalene
Concen: 4.296 ug/l
RT: 15.367 min Scan# 2286
Delta R.T. -0.017 min
Lab File: VD073078.D
Acq: 18 May 2022 02:16



Tgt Ion: 128 Resp: 53
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.4 12.6#

