

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051322\
 Data File : VD073021.D
 Acq On : 14 May 2022 07:13
 Operator : VA/SY
 Sample : N2823-07
 Misc : 5.07G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SC-7

Quant Time: May 16 05:21:28 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050222S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 03 08:33:49 2022
 Response via : Initial Calibration

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

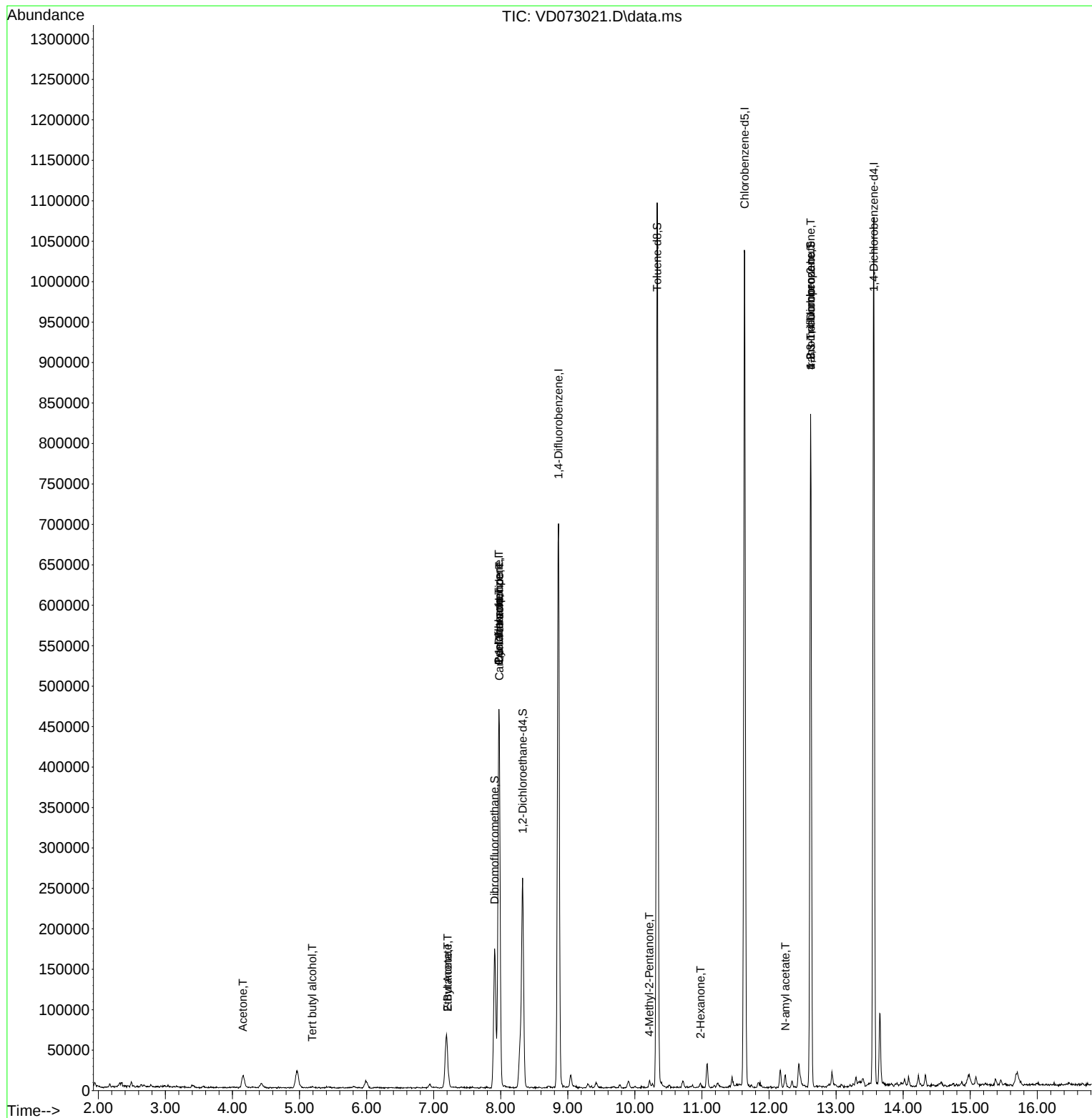
Internal Standards						
1) Pentafluorobenzene	7.973	168	338765	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	599202	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	599718	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	284511	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	193742	44.058	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	88.120%		
35) Dibromofluoromethane	7.909	113	123500	29.347	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	58.700%		
50) Toluene-d8	10.332	98	727974	48.225	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	96.440%		
62) 4-Bromofluorobenzene	12.620	95	275503	48.946	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	97.900%		
Target Compounds						
					Qvalue	
5) Bromomethane	2.785	94	1270	Below Cal	#	34
11) Tert butyl alcohol	5.191	59	1139	2.994	ug/l #	74
13) Acrolein	3.909	56	122	Below Cal		84
16) Acetone	4.156	43	29673	23.415	ug/l	97
18) Methyl Acetate	4.744	43	78	Below Cal	#	55
20) Methylene Chloride	4.973	84	15978	Below Cal	#	73
25) 2-Butanone	7.209	43	10050	7.844	ug/l #	90
31) Cyclohexane	7.973	56	8945	1.164	ug/l #	1
36) 1,1-Dichloropropene	7.973	75	29125	4.256	ug/l #	52
37) Ethyl Acetate	7.209	43	10050	3.195	ug/l #	72
38) Carbon Tetrachloride	7.979	117	35999	5.068	ug/l #	18
51) 4-Methyl-2-Pentanone	10.214	43	6179	2.048	ug/l	93
59) 2-Hexanone	10.979	43	4840	2.384	ug/l	86
74) N-amyl acetate	12.244	43	10083	1.829	ug/l #	50
76) 1,2,3-Trichloropropane	12.620	75	142146	44.806	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	142146	103.035	ug/l #	7

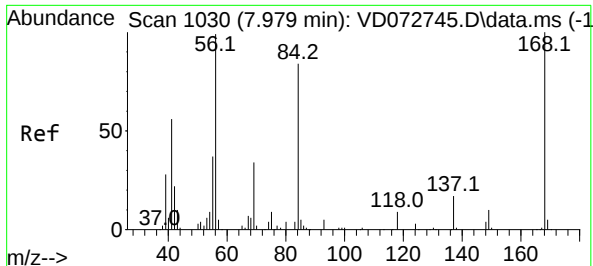
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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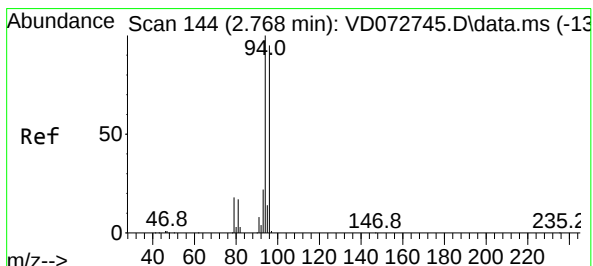
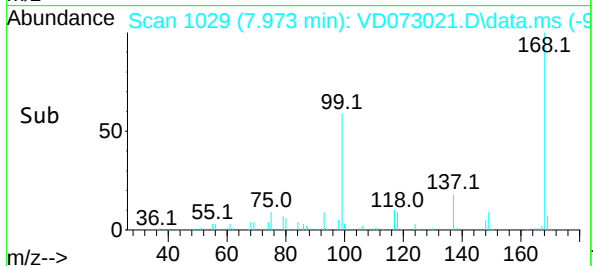
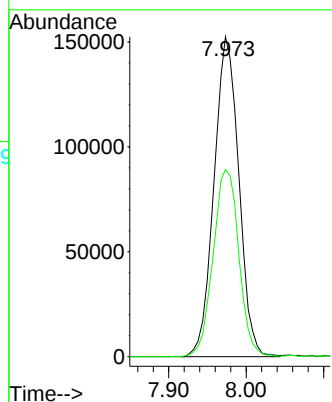
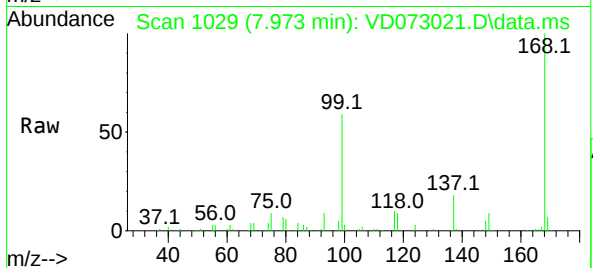




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD073021.D
Acq: 14 May 2022 07:13

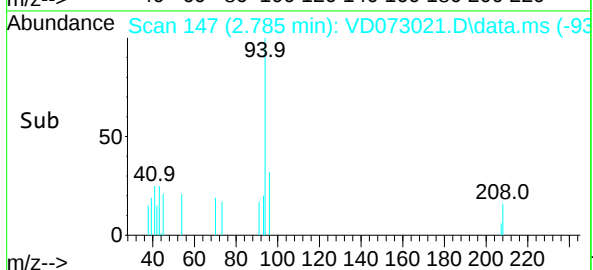
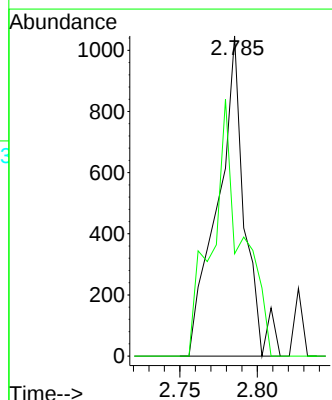
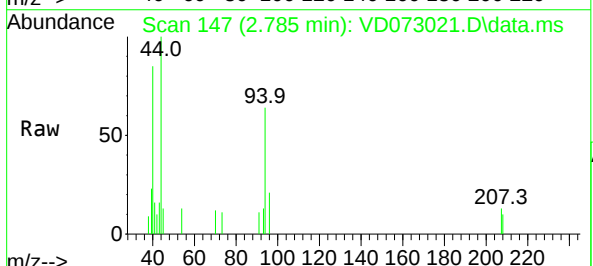
Instrument :
MSVOA_D
ClientSampleId :
SC-7

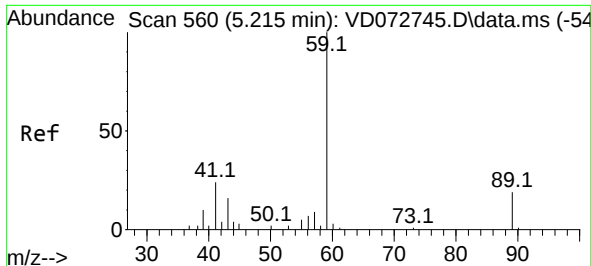
Tgt Ion:168 Resp: 338765
Ion Ratio Lower Upper
168 100
99 58.5 49.8 74.6



#5
Bromomethane
Concen: Below Cal
RT: 2.785 min Scan# 147
Delta R.T. 0.017 min
Lab File: VD073021.D
Acq: 14 May 2022 07:13

Tgt Ion: 94 Resp: 1270
Ion Ratio Lower Upper
94 100
96 32.0 77.6 116.4#

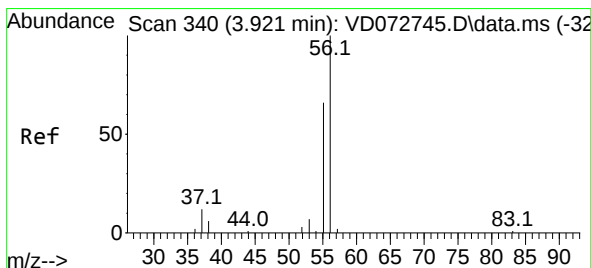
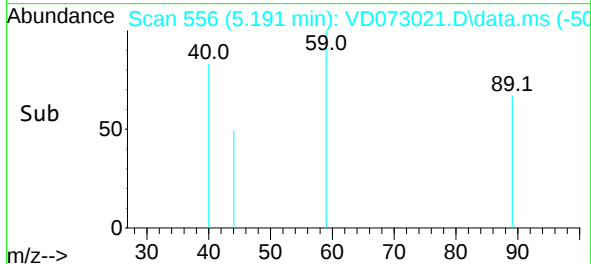
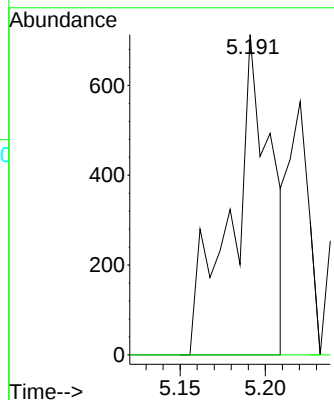
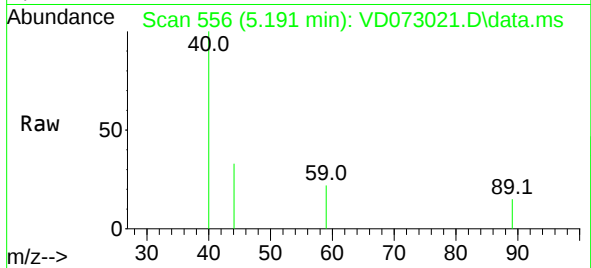




#11
Tert butyl alcohol
Concen: 2.994 ug/l
RT: 5.191 min Scan# 51
Delta R.T. -0.024 min
Lab File: VD073021.D
Acq: 14 May 2022 07:13

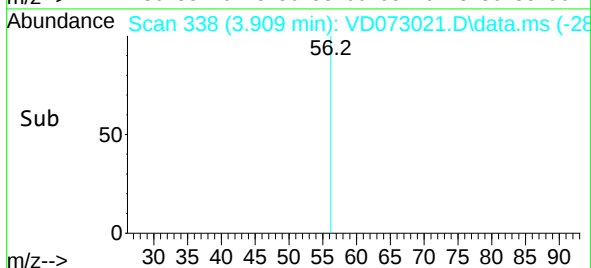
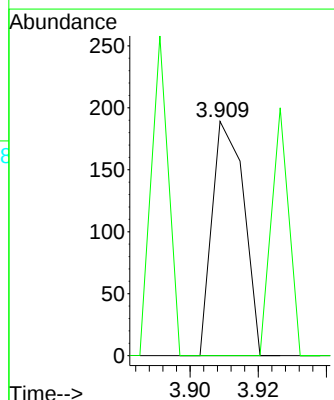
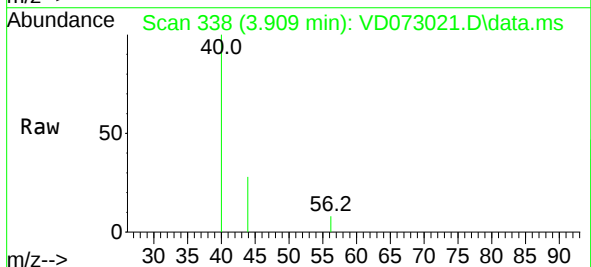
Instrument :
MSVOA_D
ClientSampleId :
SC-7

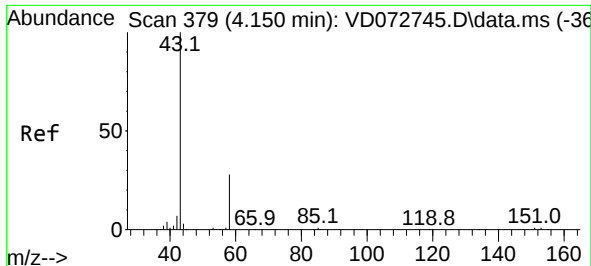
Tgt Ion: 59 Resp: 1139
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#



#13
Acrolein
Concen: Below Cal
RT: 3.909 min Scan# 338
Delta R.T. -0.012 min
Lab File: VD073021.D
Acq: 14 May 2022 07:13

Tgt Ion: 56 Resp: 122
Ion Ratio Lower Upper
56 100
55 58.2 57.1 85.7

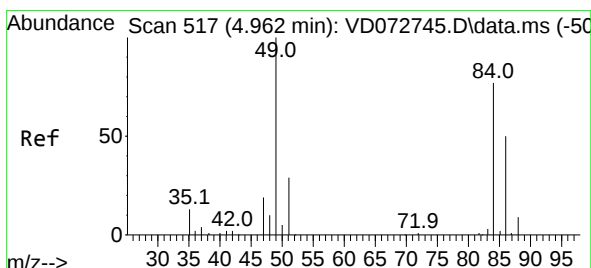
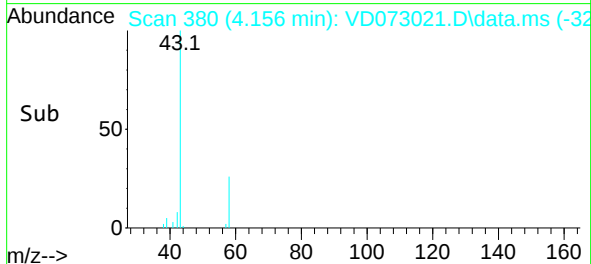
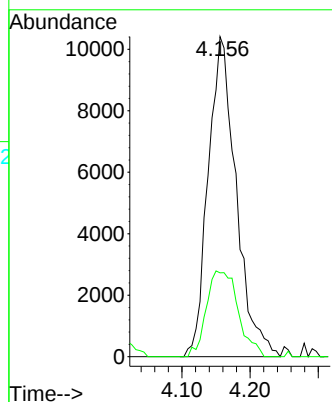
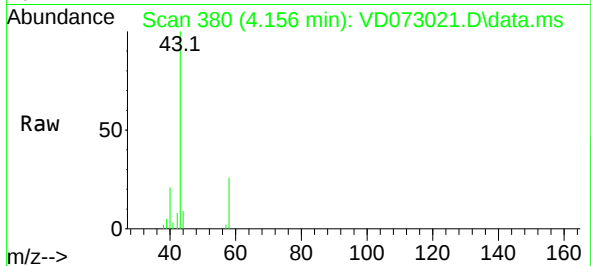




#16
Acetone
Concen: 23.415 ug/l
RT: 4.156 min Scan# 31
Delta R.T. 0.006 min
Lab File: VD073021.D
Acq: 14 May 2022 07:13

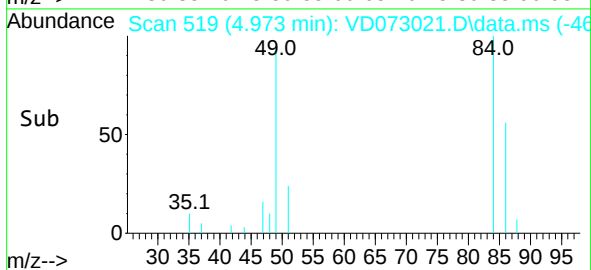
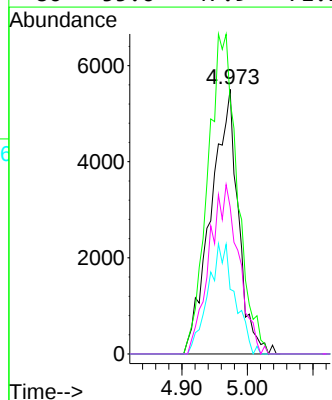
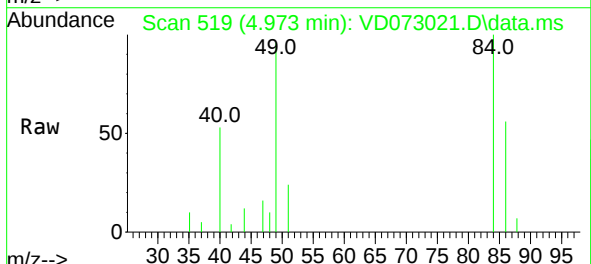
Instrument :
MSVOA_D
ClientSampleId :
SC-7

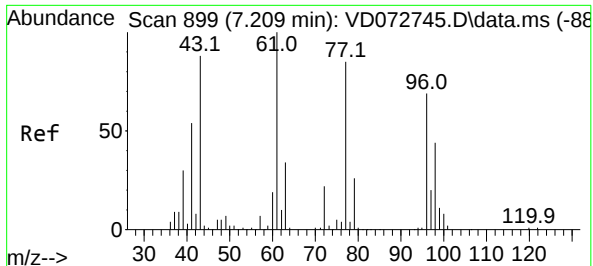
Tgt Ion: 43 Resp: 29673
Ion Ratio Lower Upper
43 100
58 26.2 22.1 33.1



#20
Methylene Chloride
Concen: Below Cal
RT: 4.973 min Scan# 519
Delta R.T. 0.011 min
Lab File: VD073021.D
Acq: 14 May 2022 07:13

Tgt Ion: 84 Resp: 15978
Ion Ratio Lower Upper
84 100
49 95.6 112.8 169.2#
51 24.4 32.6 48.8#
86 55.6 47.9 71.9

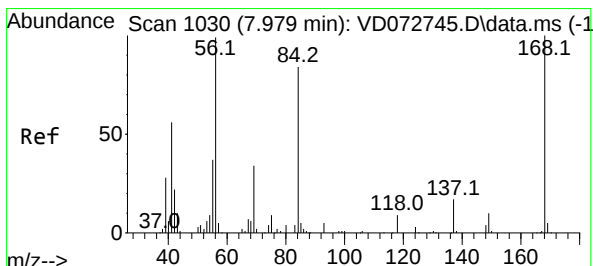
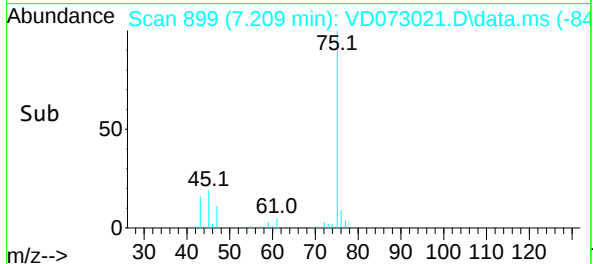
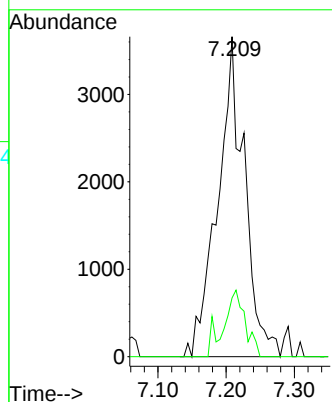
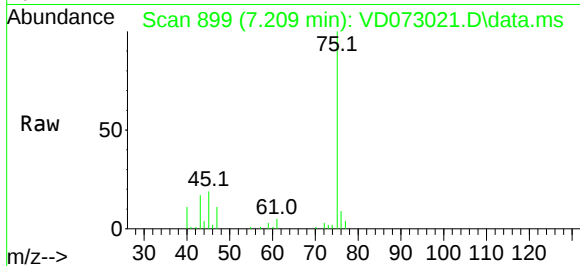




#25
2-Butanone
Concen: 7.844 ug/l
RT: 7.209 min Scan# 899
Delta R.T. -0.000 min
Lab File: VD073021.D
Acq: 14 May 2022 07:13

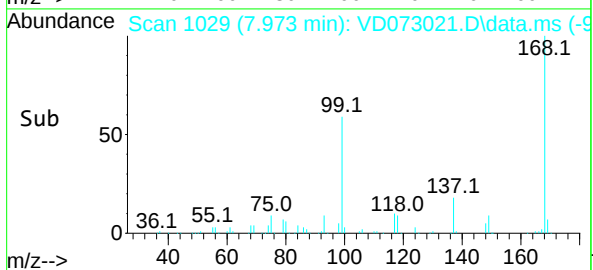
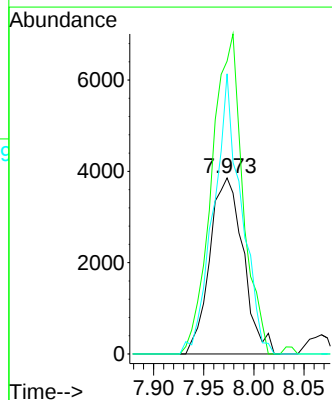
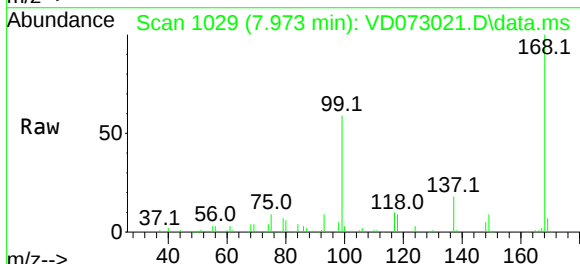
Instrument :
MSVOA_D
ClientSampleId :
SC-7

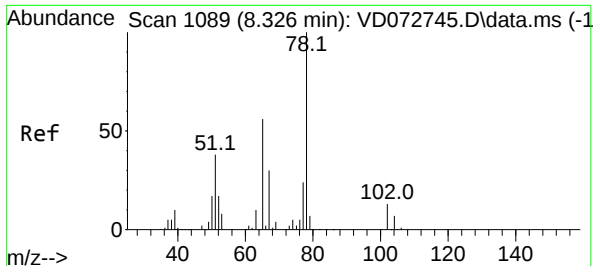
Tgt Ion: 43 Resp: 10050
Ion Ratio Lower Upper
43 100
72 18.4 18.6 27.8#



#31
Cyclohexane
Concen: 1.164 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.006 min
Lab File: VD073021.D
Acq: 14 May 2022 07:13

Tgt Ion: 56 Resp: 8945
Ion Ratio Lower Upper
56 100
69 166.4 25.4 38.2#
84 159.2 63.0 94.4#





#33

1,2-Dichloroethane-d4

Concen: 44.058 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. 0.000 min

Lab File: VD073021.D

Acq: 14 May 2022 07:13

Instrument :

MSVOA_D

ClientSampleId :

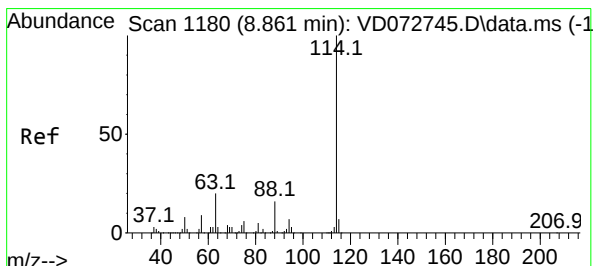
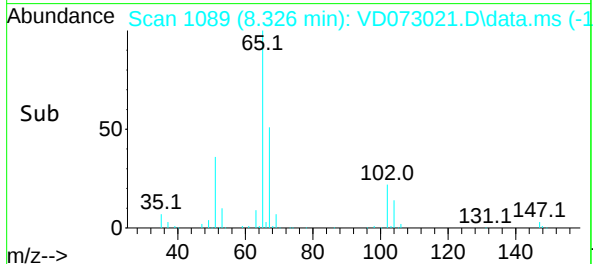
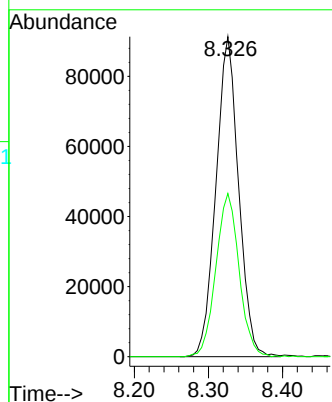
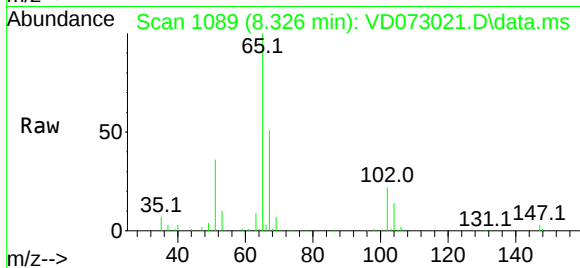
SC-7

Tgt Ion: 65 Resp: 193742

Ion Ratio Lower Upper

65 100

67 52.3 0.0 101.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. 0.000 min

Lab File: VD073021.D

Acq: 14 May 2022 07:13

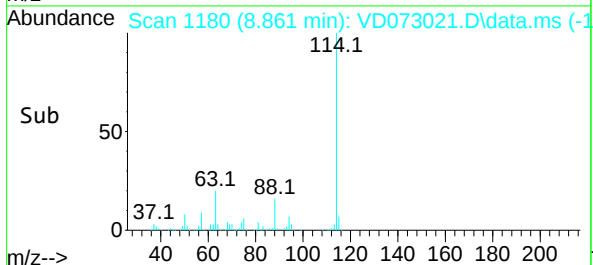
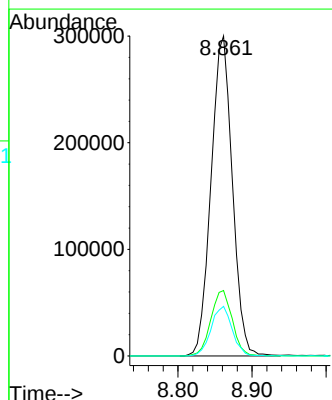
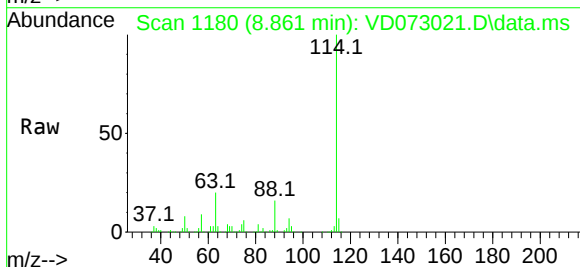
Tgt Ion: 114 Resp: 599202

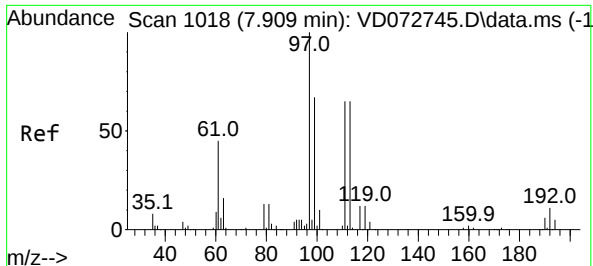
Ion Ratio Lower Upper

114 100

63 20.4 0.0 46.6

88 15.5 0.0 33.2





#35

Dibromofluoromethane

Concen: 29.347 ug/l

RT: 7.909 min Scan# 1018

Delta R.T. -0.000 min

Lab File: VD073021.D

Acq: 14 May 2022 07:13

Instrument :

MSVOA_D

ClientSampleId :

SC-7

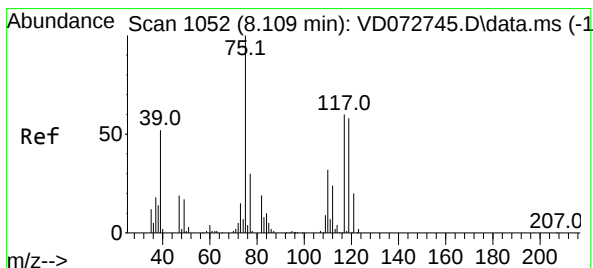
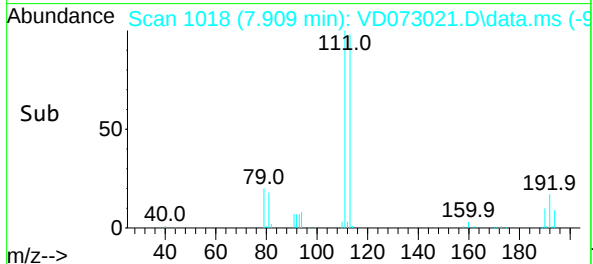
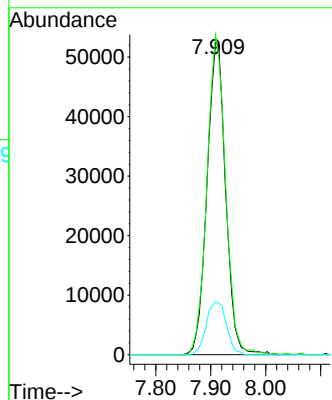
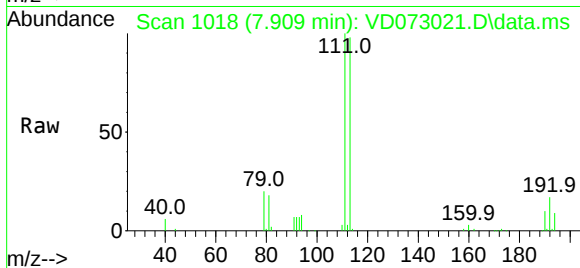
Tgt Ion:113 Resp: 123500

Ion Ratio Lower Upper

113 100

111 102.4 83.8 125.6

192 18.2 14.6 21.8



#36

1,1-Dichloropropene

Concen: 4.256 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.136 min

Lab File: VD073021.D

Acq: 14 May 2022 07:13

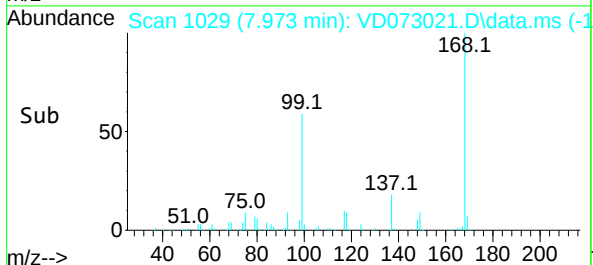
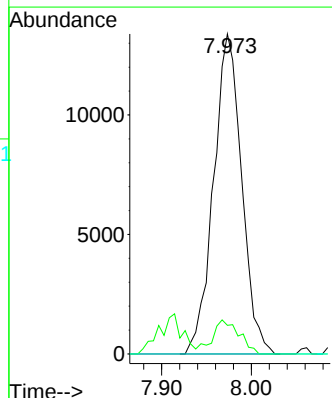
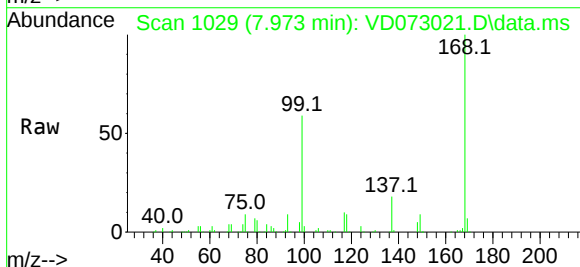
Tgt Ion: 75 Resp: 29125

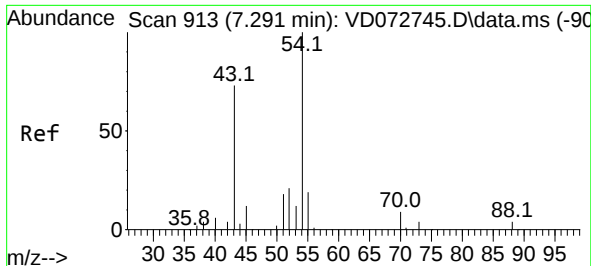
Ion Ratio Lower Upper

75 100

110 10.1 16.4 49.1#

77 0.0 24.2 36.2#





#37

Ethyl Acetate

Concen: 3.195 ug/l

RT: 7.209 min Scan# 81

Delta R.T. -0.082 min

Lab File: VD073021.D

Acq: 14 May 2022 07:13

Instrument :

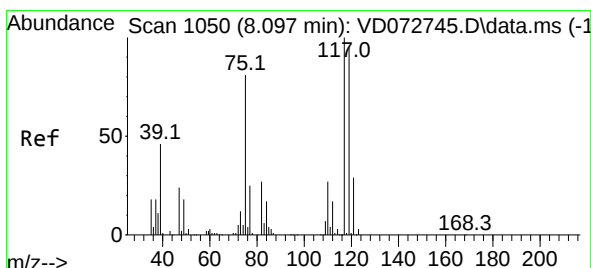
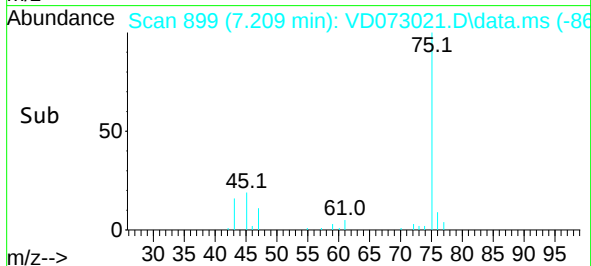
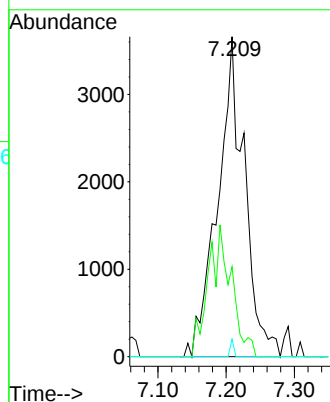
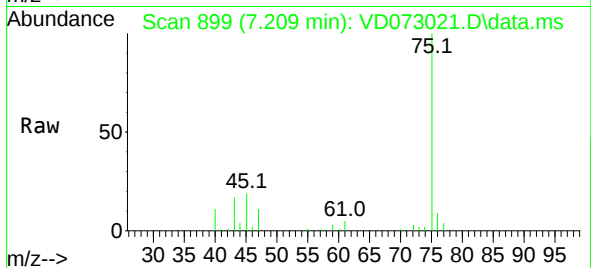
MSVOA_D

ClientSampleId :

SC-7

Tgt Ion: 43 Resp: 10050

Ion	Ratio	Lower	Upper
43	100		
61	0.0	9.8	14.8#
70	0.7	6.9	10.3#



#38

Carbon Tetrachloride

Concen: 5.068 ug/l

RT: 7.979 min Scan# 1030

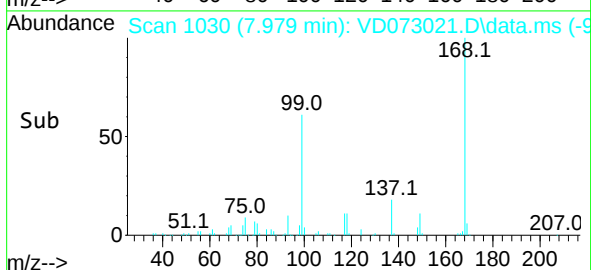
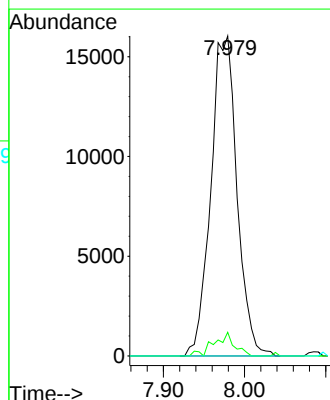
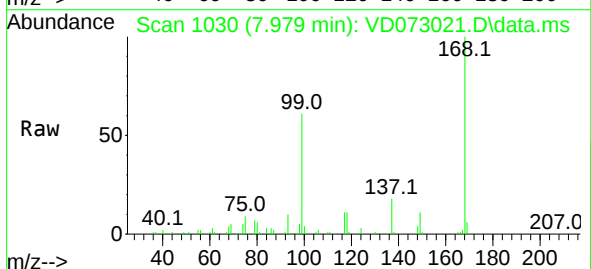
Delta R.T. -0.118 min

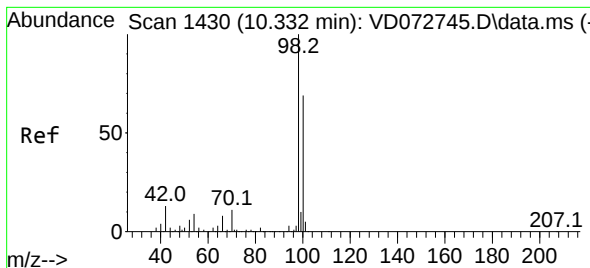
Lab File: VD073021.D

Acq: 14 May 2022 07:13

Tgt Ion: 117 Resp: 35999

Ion	Ratio	Lower	Upper
117	100		
119	7.4	75.8	113.6#
121	0.0	24.5	36.7#





#50

Toluene-d8

Concen: 48.225 ug/l

RT: 10.332 min Scan# 1430

Delta R.T. -0.000 min

Lab File: VD073021.D

Acq: 14 May 2022 07:13

Instrument :

MSVOA_D

ClientSampleId :

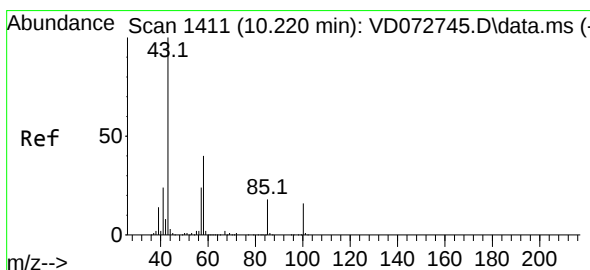
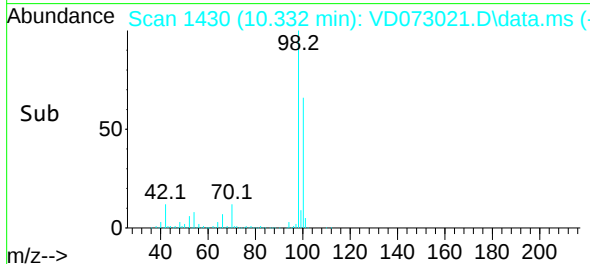
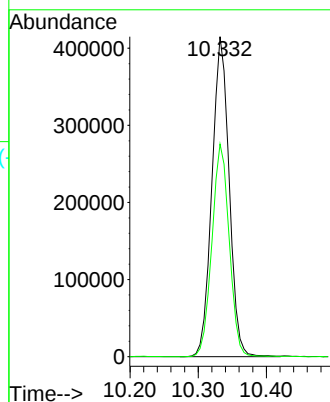
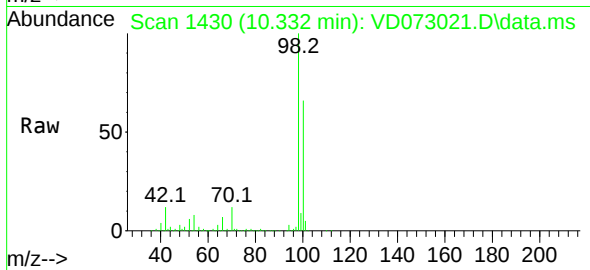
SC-7

Tgt Ion: 98 Resp: 727974

Ion Ratio Lower Upper

98 100

100 66.9 52.4 78.6



#51

4-Methyl-2-Pentanone

Concen: 2.048 ug/l

RT: 10.214 min Scan# 1410

Delta R.T. -0.006 min

Lab File: VD073021.D

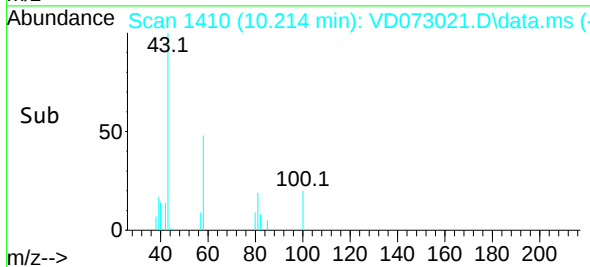
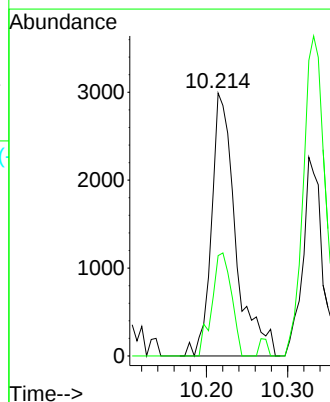
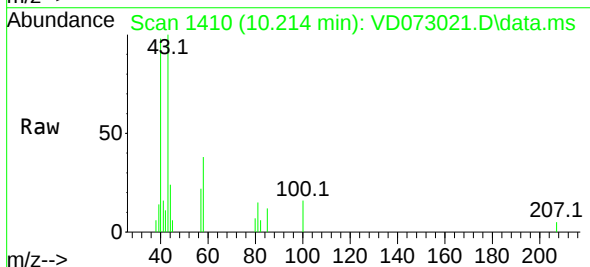
Acq: 14 May 2022 07:13

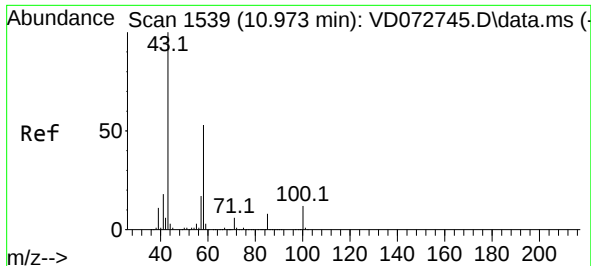
Tgt Ion: 43 Resp: 6179

Ion Ratio Lower Upper

43 100

58 31.8 28.6 43.0

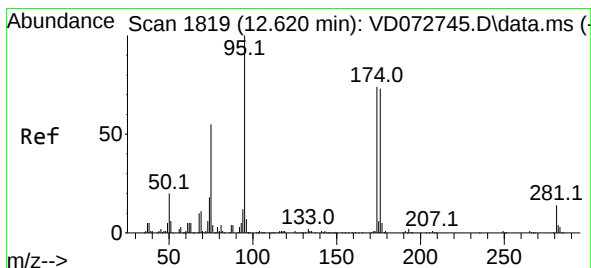
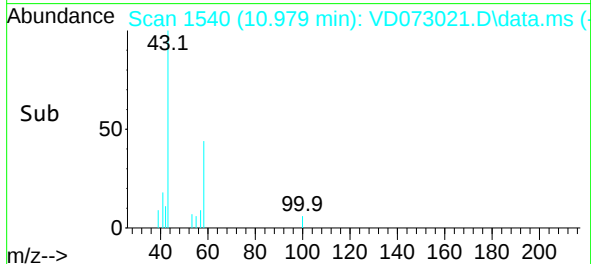
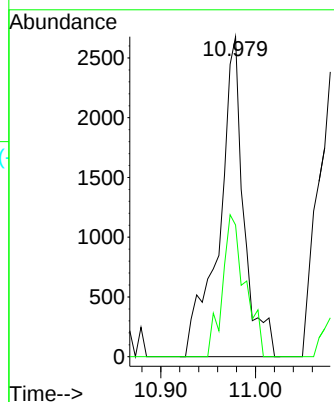
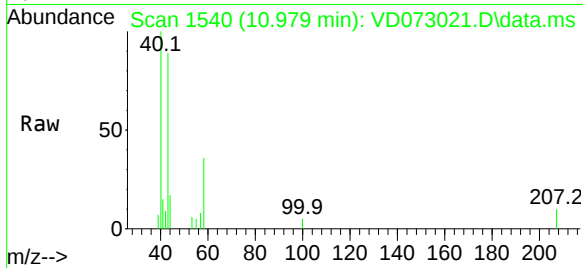




#59
2-Hexanone
Concen: 2.384 ug/l
RT: 10.979 min Scan# 1539
Delta R.T. 0.006 min
Lab File: VD073021.D
Acq: 14 May 2022 07:13

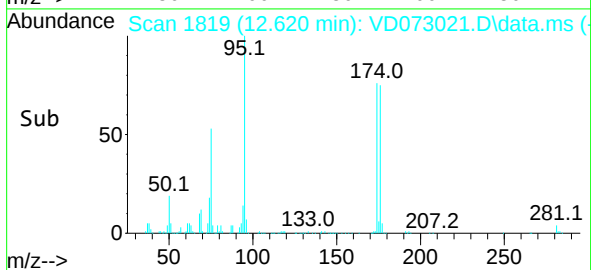
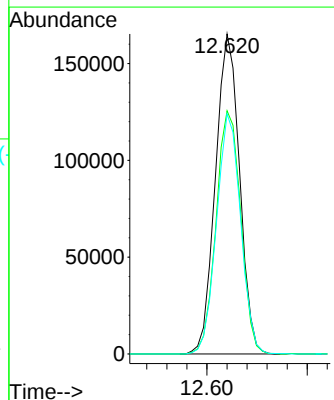
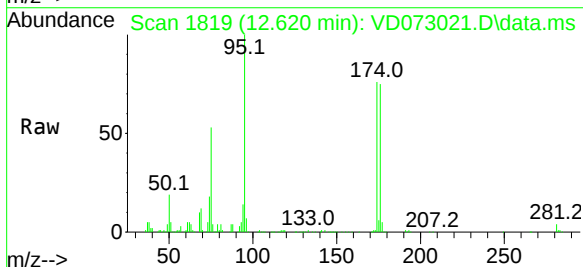
Instrument :
MSVOA_D
ClientSampleId :
SC-7

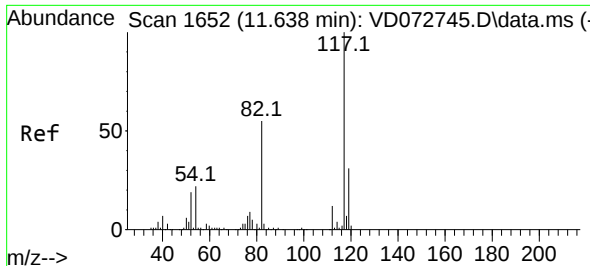
Tgt Ion: 43 Resp: 4840
Ion Ratio Lower Upper
43 100
58 40.6 25.3 75.9



#62
4-Bromofluorobenzene
Concen: 48.946 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD073021.D
Acq: 14 May 2022 07:13

Tgt Ion: 95 Resp: 275503
Ion Ratio Lower Upper
95 100
174 77.7 0.0 152.8
176 74.9 0.0 145.4

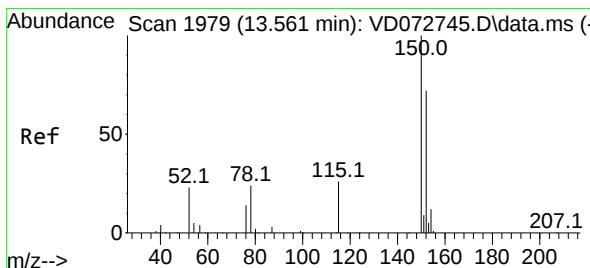
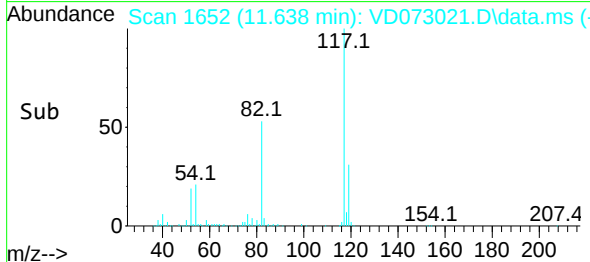
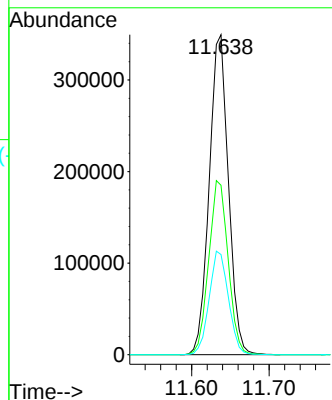
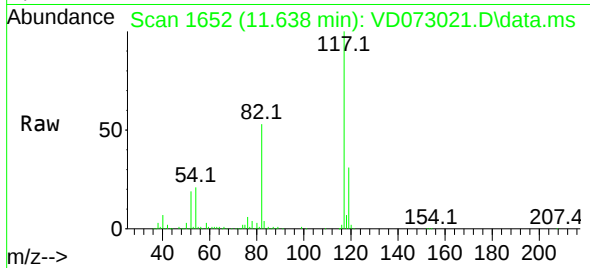




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 117
Delta R.T. -0.000 min
Lab File: VD073021.D
Acq: 14 May 2022 07:13

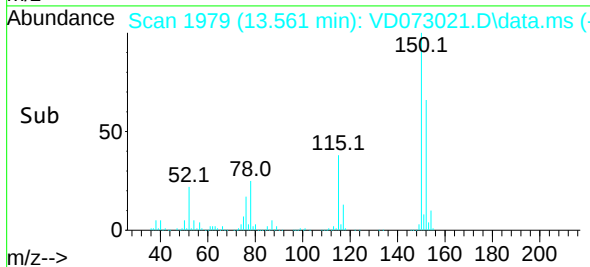
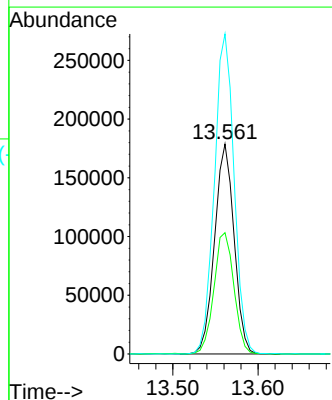
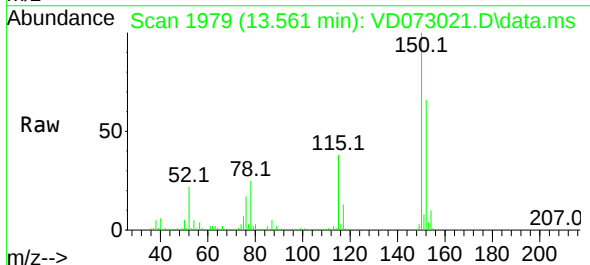
Instrument :
MSVOA_D
ClientSampleId :
SC-7

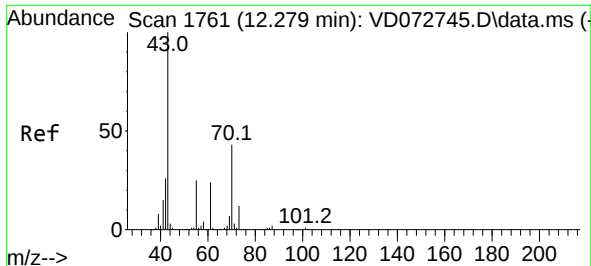
Tgt Ion:117 Resp: 599718
Ion Ratio Lower Upper
117 100
82 53.0 45.3 67.9
119 31.3 26.6 40.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VD073021.D
Acq: 14 May 2022 07:13

Tgt Ion:152 Resp: 284511
Ion Ratio Lower Upper
152 100
115 59.2 31.3 93.8
150 154.4 0.0 348.6

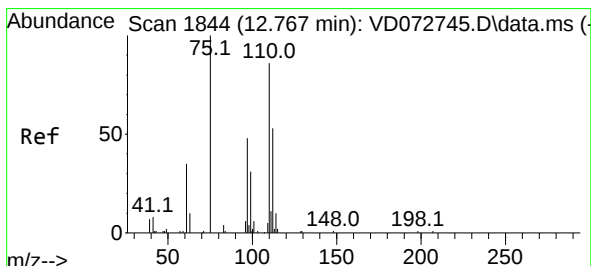
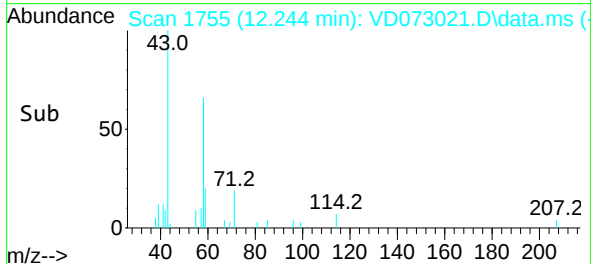
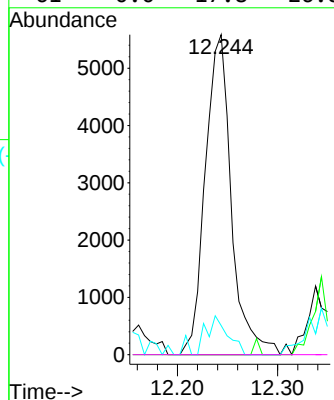
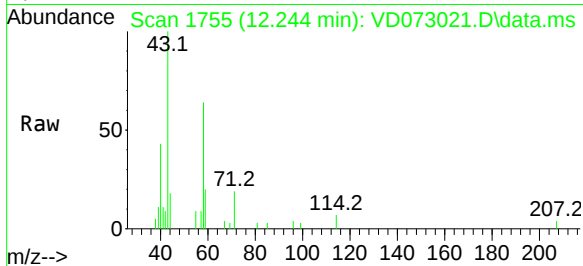




#74
N-amy1 acetate
Concen: 1.829 ug/l
RT: 12.244 min Scan# 11
Delta R.T. -0.035 min
Lab File: VD073021.D
Acq: 14 May 2022 07:13

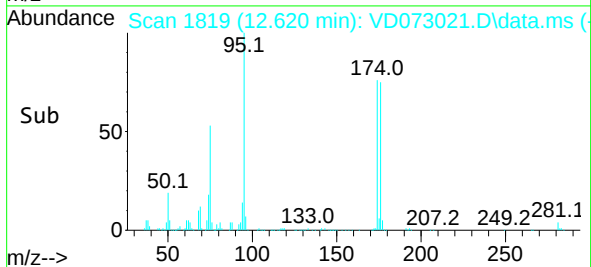
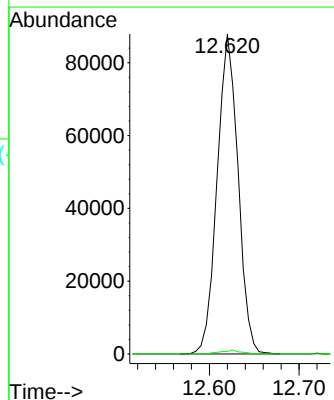
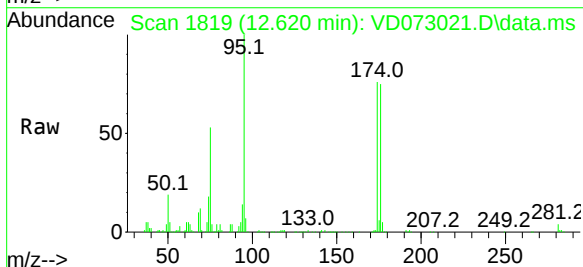
Instrument :
MSVOA_D
ClientSampleId :
SC-7

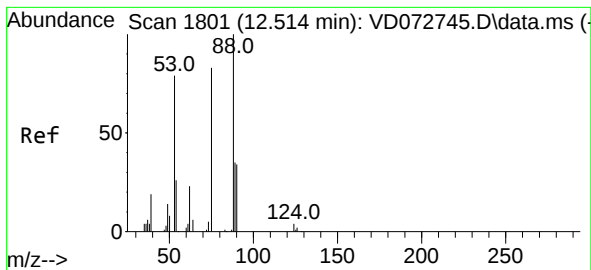
Tgt Ion:	43	Resp:	10083
Ion	Ratio	Lower	Upper
43	100		
70	0.0	31.3	46.9#
55	10.0	20.0	30.0#
61	0.0	17.8	26.8#



#76
1,2,3-Trichloropropane
Concen: 44.806 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.147 min
Lab File: VD073021.D
Acq: 14 May 2022 07:13

Tgt Ion:	75	Resp:	142146
Ion	Ratio	Lower	Upper
75	100		
77	1.1	0.0	0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 103.035 ug/l

RT: 12.620 min Scan# 11

Delta R.T. 0.106 min

Lab File: VD073021.D

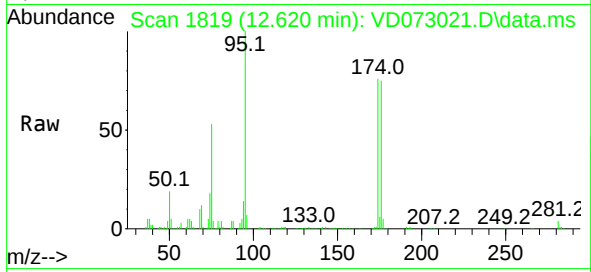
Acq: 14 May 2022 07:13

Instrument :

MSVOA_D

ClientSampleId :

SC-7



Tgt Ion: 75 Resp: 142146

Ion Ratio Lower Upper

75 100

53 0.2 86.5 129.7#

89 0.1 33.9 50.9#

