

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052522\
 Data File : VD073369.D
 Acq On : 25 May 2022 19:18
 Operator : VA/SY
 Sample : N2886-13
 Misc : 4.36G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 P021-SS004-0006-01

Quant Time: May 26 02:26:30 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051922S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 19 15:13:42 2022
 Response via : Initial Calibration

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

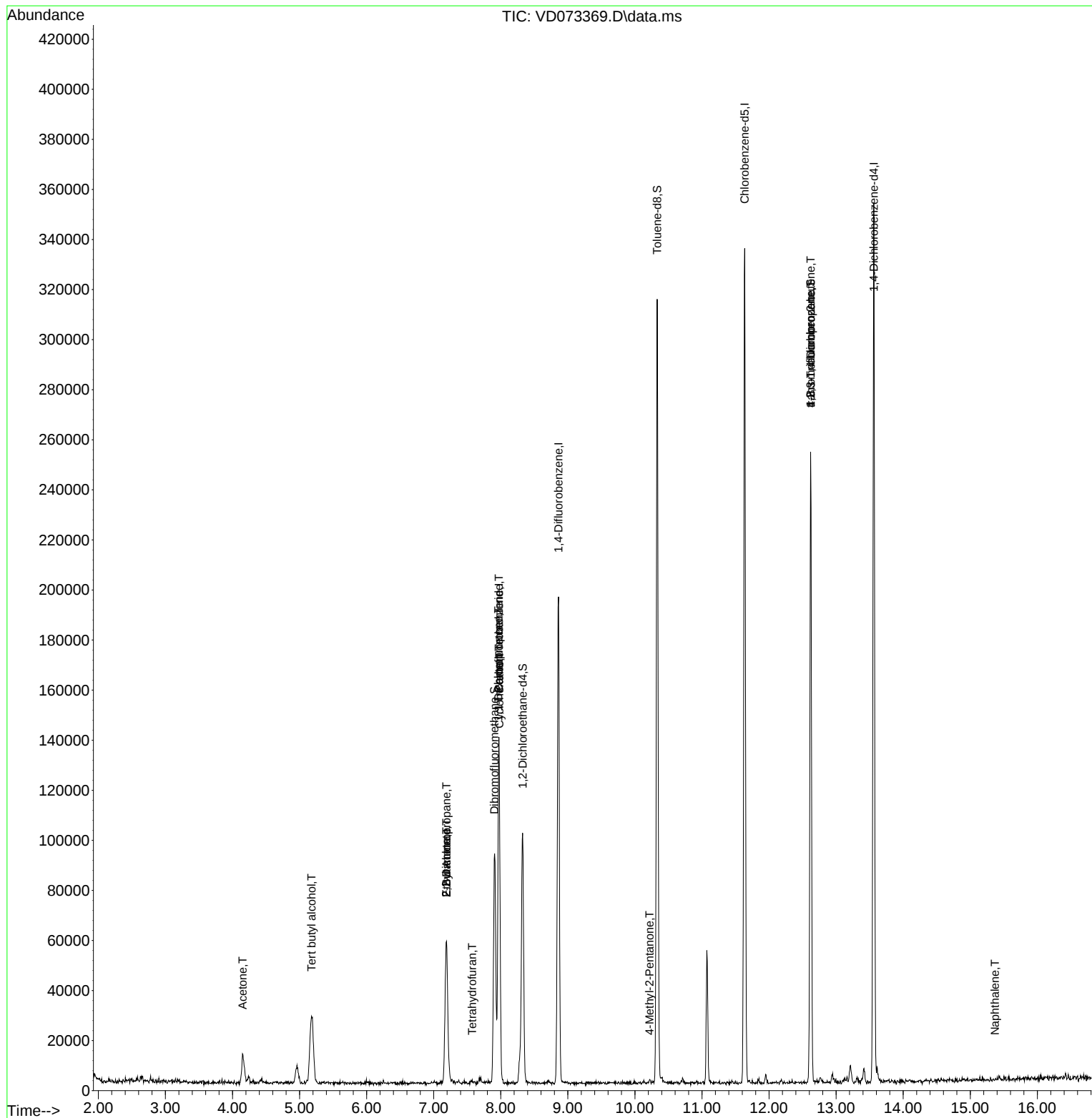
Internal Standards						
1) Pentafluorobenzene	7.973	168	98455	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	166280	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	198159	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	93561	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	78139	71.814	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 143.620%			
35) Dibromofluoromethane	7.902	113	68595	62.517	ug/l	-0.01
Spiked Amount 50.000	Range 54 - 147		Recovery = 125.040%			
50) Toluene-d8	10.332	98	209450	51.785	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 103.560%			
62) 4-Bromofluorobenzene	12.620	95	85786	60.437	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 120.880%			
Target Compounds						
					Qvalue	
5) Bromomethane	2.773	94	799	Below Cal	#	24
11) Tert butyl alcohol	5.179	59	26616	157.665	ug/l #	74
13) Acrolein	4.161	56	81	Below Cal	#	14
16) Acetone	4.150	43	19907	105.627	ug/l	94
20) Methylene Chloride	4.950	84	2620	Below Cal	#	64
25) 2-Butanone	7.191	43	4066	14.746	ug/l	94
26) 2,2-Dichloropropane	7.191	77	4207	2.295	ug/l #	54
29) Tetrahydrofuran	7.573	42	564	3.163	ug/l #	38
31) Cyclohexane	7.979	56	2463	1.295	ug/l #	21
36) 1,1-Dichloropropene	7.967	75	8239	4.993	ug/l #	53
37) Ethyl Acetate	7.191	43	4066	6.238	ug/l #	1
38) Carbon Tetrachloride	7.973	117	10474	6.261	ug/l #	17
51) 4-Methyl-2-Pentanone	10.220	43	1144	1.828	ug/l	97
76) 1,2,3-Trichloropropane	12.620	75	41898	45.641	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	41898	109.569	ug/l #	7
95) Naphthalene	15.367	128	54	3.558	ug/l #	70

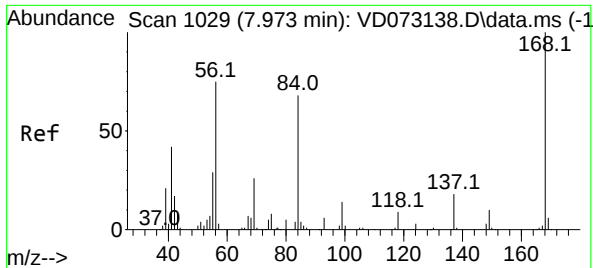
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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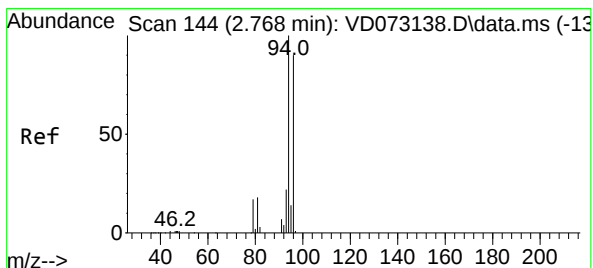
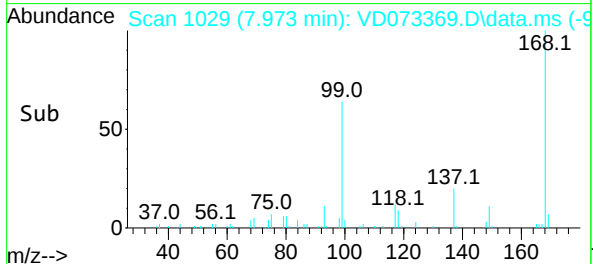
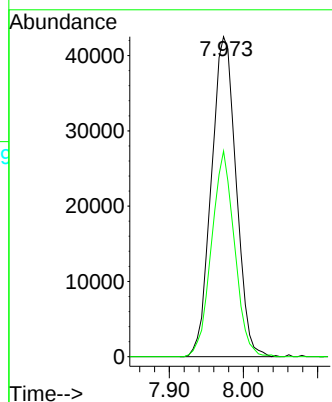
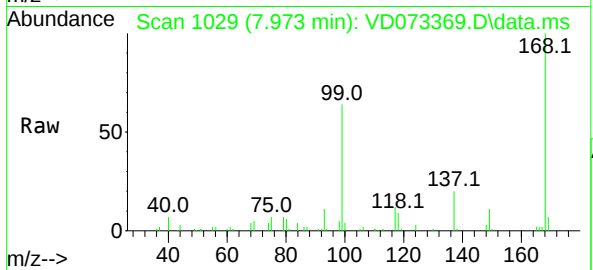




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD073369.D
Acq: 25 May 2022 19:18

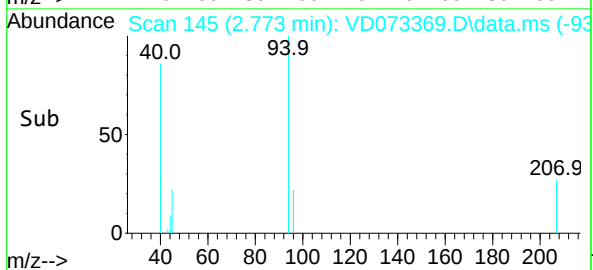
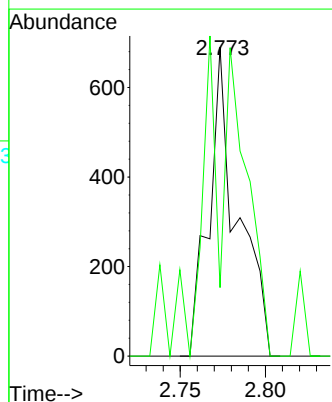
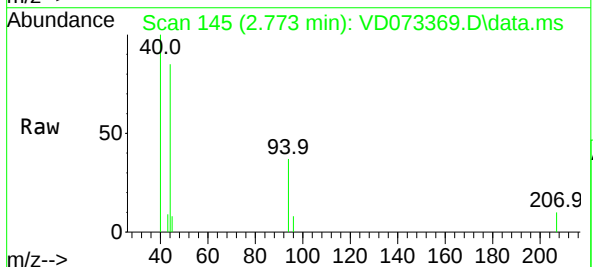
Instrument :
MSVOA_D
ClientSampleId :
P021-SS004-0006-01

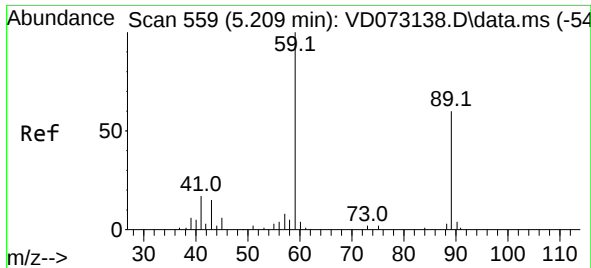
Tgt Ion:168 Resp: 98455
Ion Ratio Lower Upper
168 100
99 64.2 49.8 74.6



#5
Bromomethane
Concen: Below Cal
RT: 2.773 min Scan# 145
Delta R.T. 0.005 min
Lab File: VD073369.D
Acq: 25 May 2022 19:18

Tgt Ion: 94 Resp: 799
Ion Ratio Lower Upper
94 100
96 22.2 77.6 116.4#





#11

Tert butyl alcohol

Concen: 157.665 ug/l

RT: 5.179 min Scan# 51

Delta R.T. -0.030 min

Lab File: VD073369.D

Acq: 25 May 2022 19:18

Instrument :

MSVOA_D

ClientSampleId :

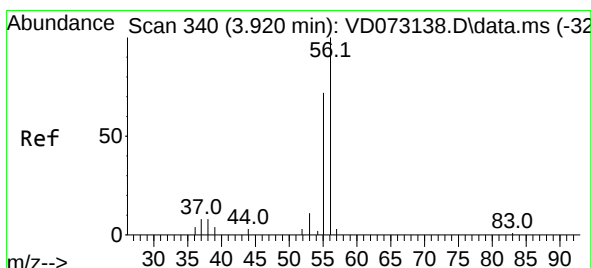
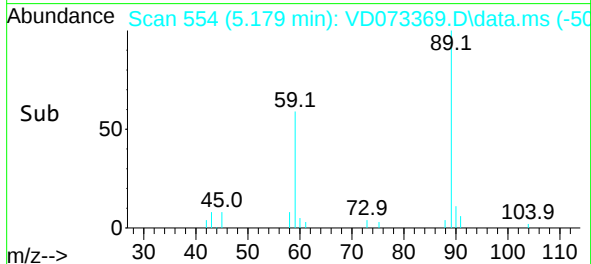
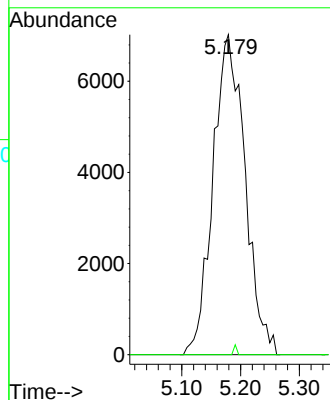
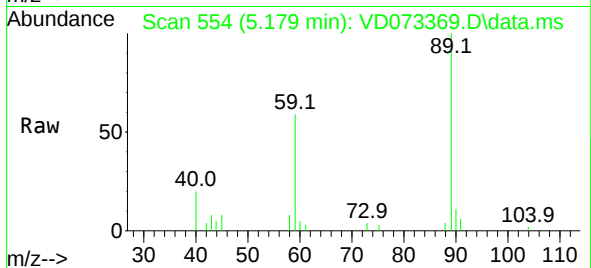
P021-SS004-0006-01

Tgt Ion: 59 Resp: 26616

Ion Ratio Lower Upper

59 100

57 0.3 7.8 11.6#



#13

Acrolein

Concen: Below Cal

RT: 4.161 min Scan# 381

Delta R.T. 0.241 min

Lab File: VD073369.D

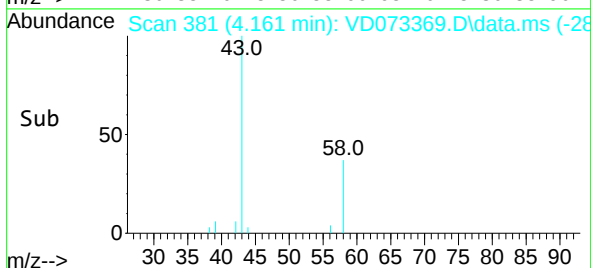
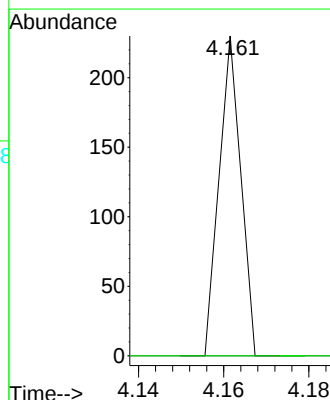
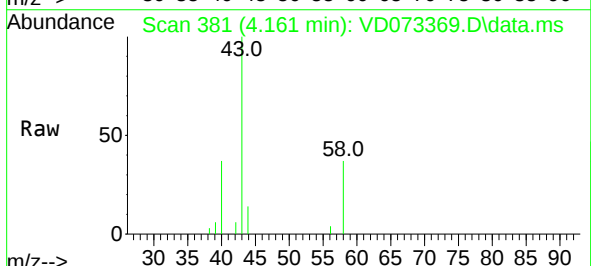
Acq: 25 May 2022 19:18

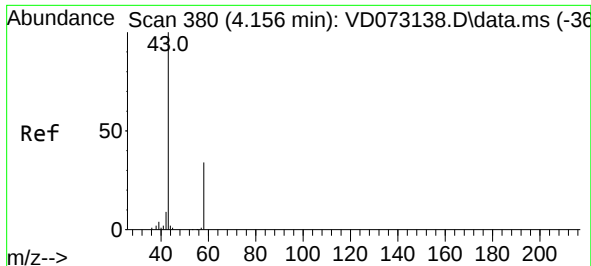
Tgt Ion: 56 Resp: 81

Ion Ratio Lower Upper

56 100

55 0.0 57.1 85.7#

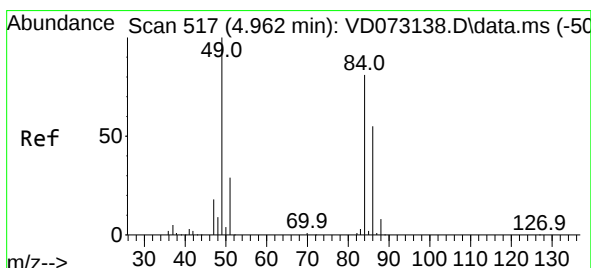
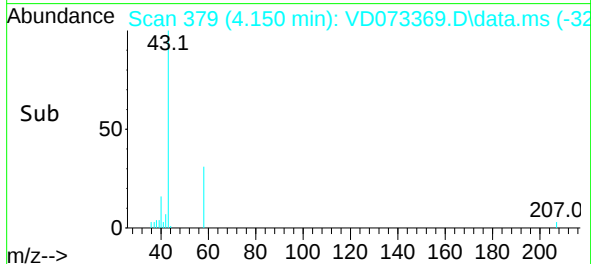
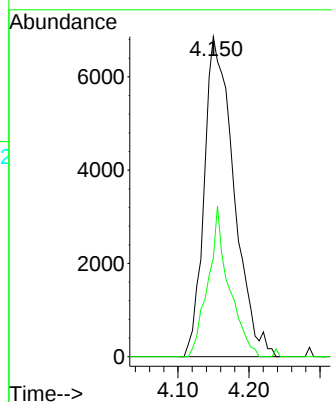
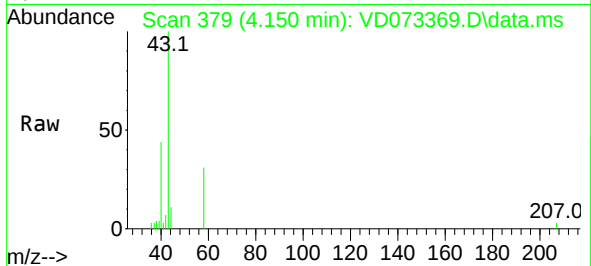




#16
Acetone
Concen: 105.627 ug/l
RT: 4.150 min Scan# 31
Delta R.T. -0.006 min
Lab File: VD073369.D
Acq: 25 May 2022 19:18

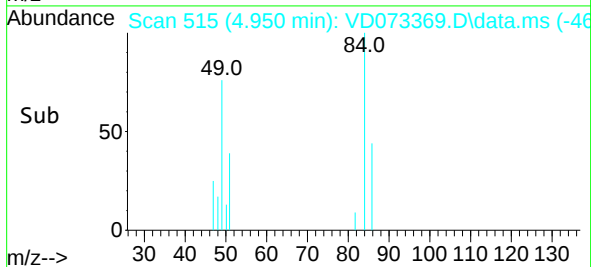
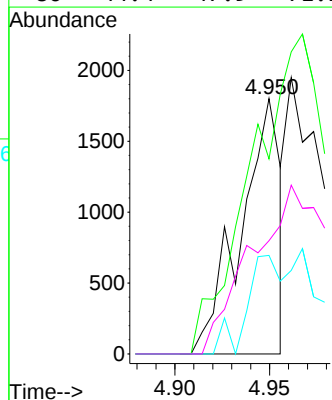
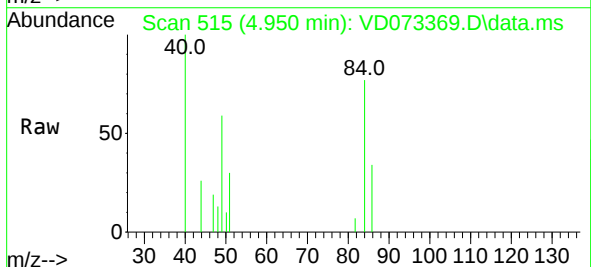
Instrument :
MSVOA_D
ClientSampleId :
P021-SS004-0006-01

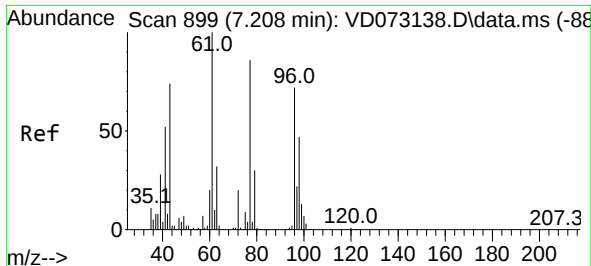
Tgt Ion: 43 Resp: 19907
Ion Ratio Lower Upper
43 100
58 30.7 22.1 33.1



#20
Methylene Chloride
Concen: Below Cal
RT: 4.950 min Scan# 515
Delta R.T. -0.012 min
Lab File: VD073369.D
Acq: 25 May 2022 19:18

Tgt Ion: 84 Resp: 2620
Ion Ratio Lower Upper
84 100
49 76.4 112.8 169.2#
51 38.6 32.6 48.8
86 44.4 47.9 71.9#

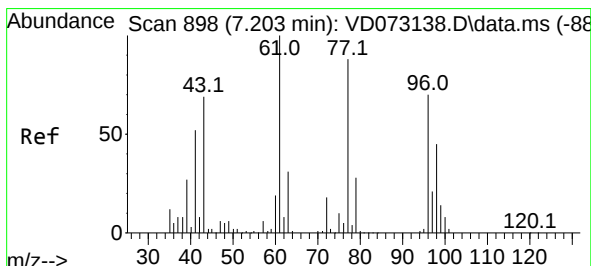
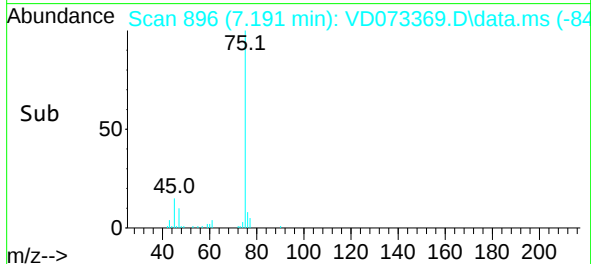
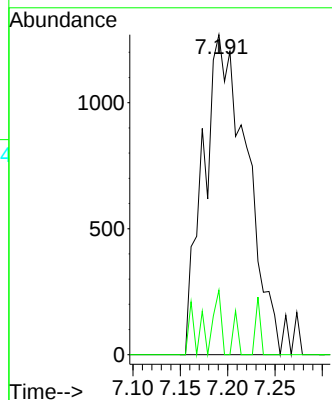
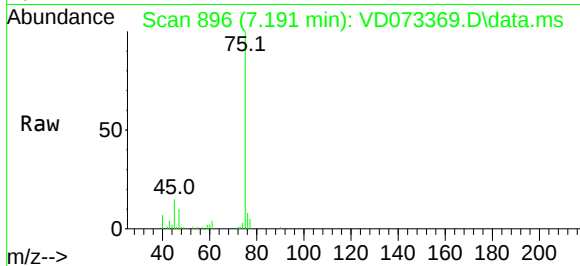




#25
2-Butanone
Concen: 14.746 ug/l
RT: 7.191 min Scan# 896
Delta R.T. -0.017 min
Lab File: VD073369.D
Acq: 25 May 2022 19:18

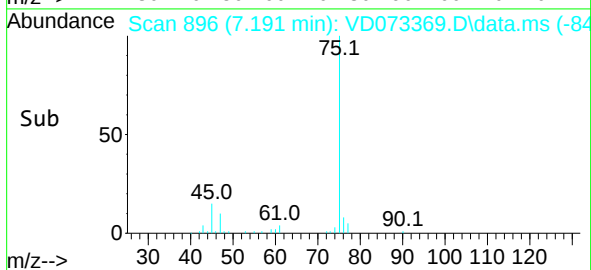
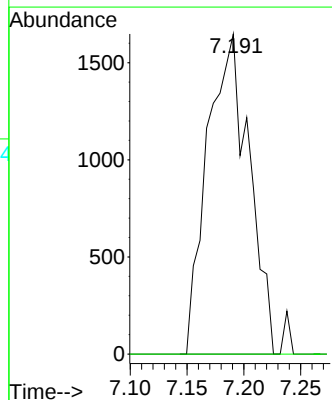
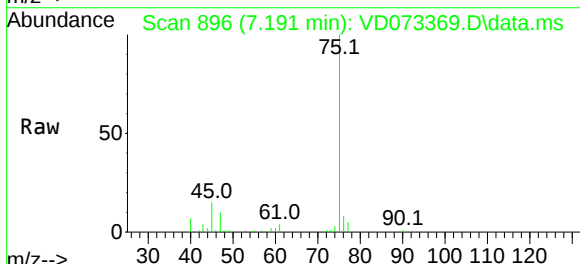
Instrument :
MSVOA_D
ClientSampleId :
P021-SS004-0006-01

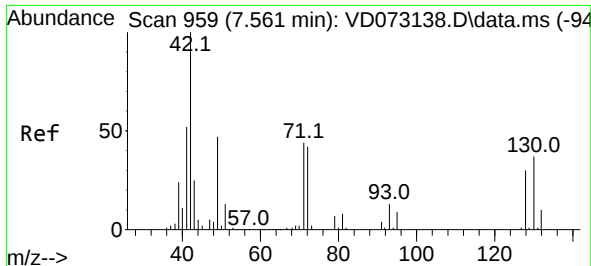
Tgt Ion: 43 Resp: 4066
Ion Ratio Lower Upper
43 100
72 20.2 18.6 27.8



#26
2,2-Dichloropropane
Concen: 2.295 ug/l
RT: 7.191 min Scan# 896
Delta R.T. -0.012 min
Lab File: VD073369.D
Acq: 25 May 2022 19:18

Tgt Ion: 77 Resp: 4207
Ion Ratio Lower Upper
77 100
97 0.0 10.8 32.4#





#29

Tetrahydrofuran

Concen: 3.163 ug/l

RT: 7.573 min Scan# 9

Delta R.T. 0.012 min

Lab File: VD073369.D

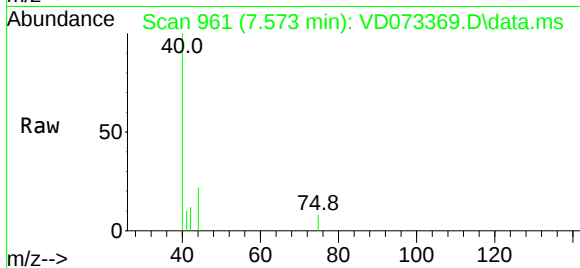
Acq: 25 May 2022 19:18

Instrument :

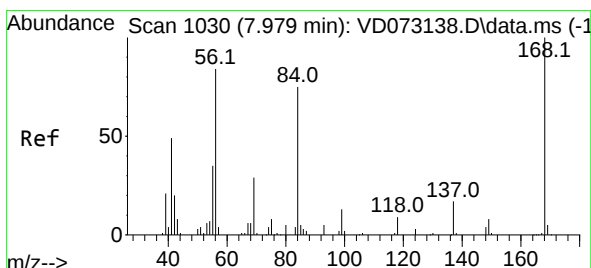
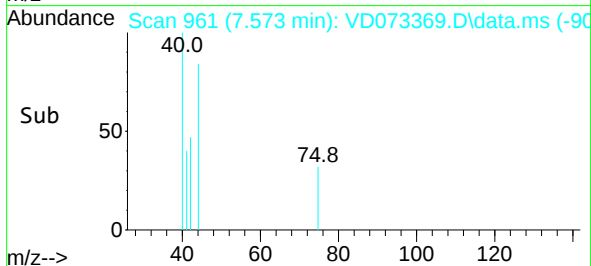
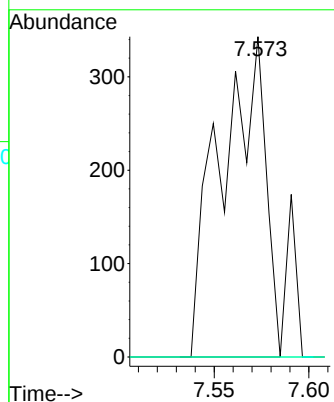
MSVOA_D

ClientSampleId :

P021-SS004-0006-01



Tgt Ion:	42	Resp:	564
Ion Ratio	Lower	Upper	
42	100		
72	0.0	30.7	46.1#
71	0.0	28.6	43.0#



#31

Cyclohexane

Concen: 1.295 ug/l

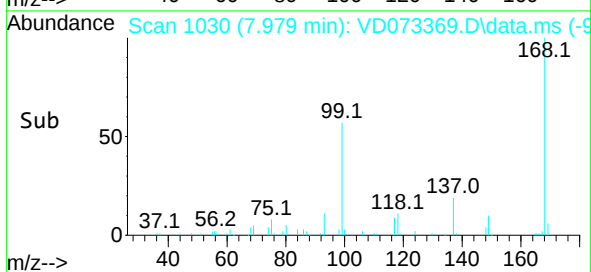
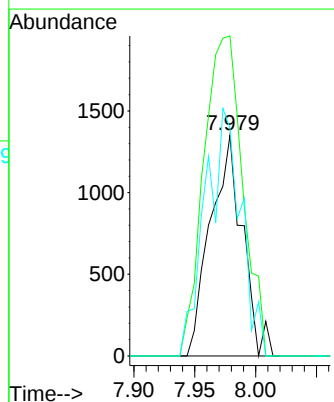
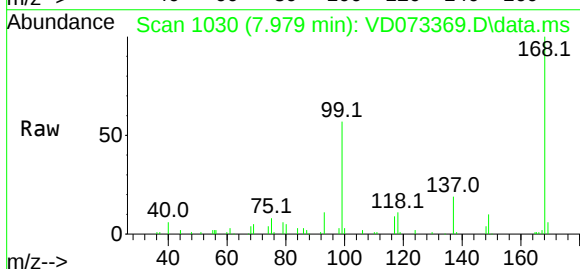
RT: 7.979 min Scan# 1030

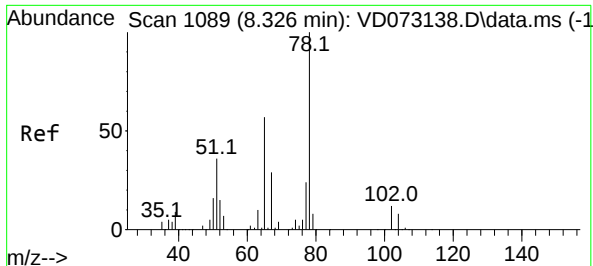
Delta R.T. -0.000 min

Lab File: VD073369.D

Acq: 25 May 2022 19:18

Tgt Ion:	56	Resp:	2463
Ion Ratio	Lower	Upper	
56	100		
69	145.0	25.4	38.2#
84	103.3	63.0	94.4#





#33

1,2-Dichloroethane-d4

Concen: 71.814 ug/l

RT: 8.326 min Scan# 1180

Delta R.T. -0.000 min

Lab File: VD073369.D

Acq: 25 May 2022 19:18

Instrument :

MSVOA_D

ClientSampleId :

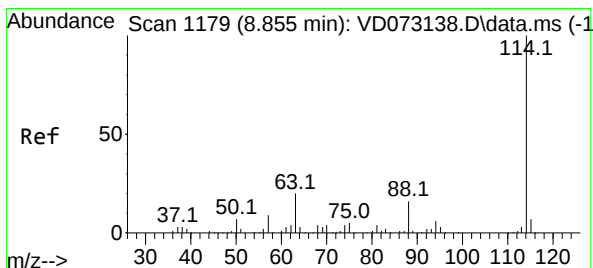
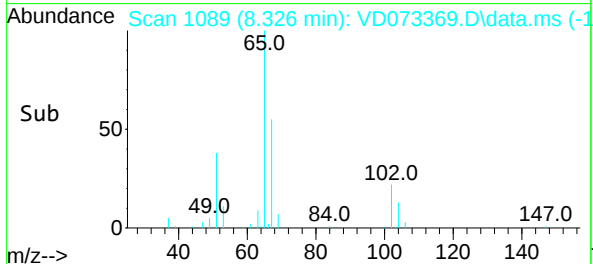
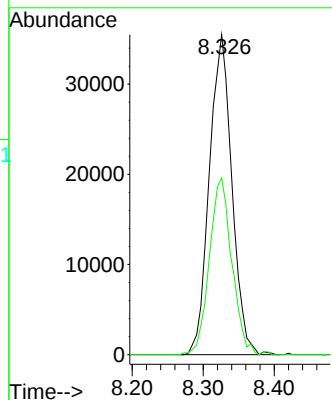
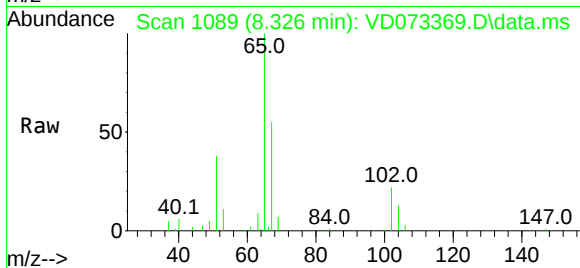
P021-SS004-0006-01

Tgt Ion: 65 Resp: 78139

Ion Ratio Lower Upper

65 100

67 54.9 0.0 101.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. 0.006 min

Lab File: VD073369.D

Acq: 25 May 2022 19:18

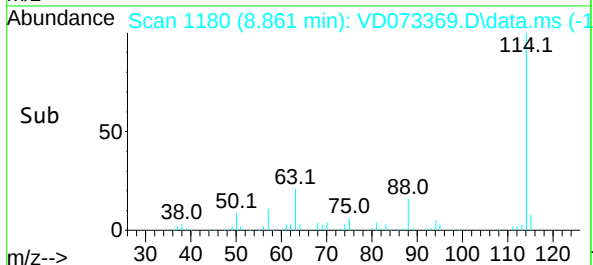
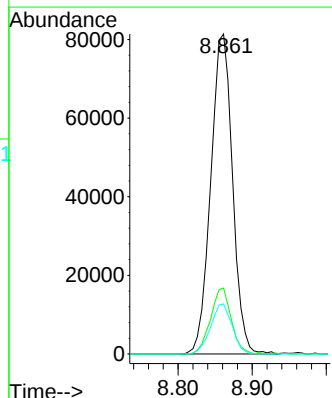
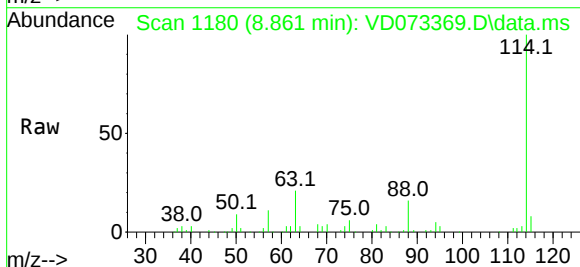
Tgt Ion: 114 Resp: 166280

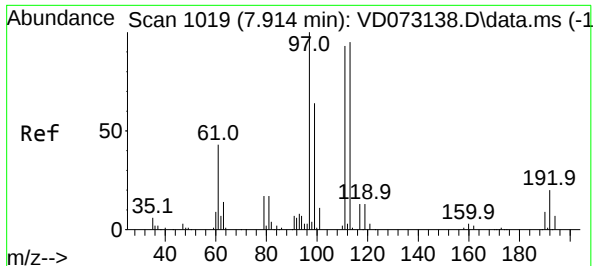
Ion Ratio Lower Upper

114 100

63 20.6 0.0 46.6

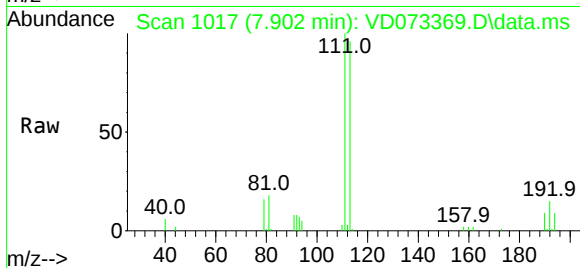
88 15.6 0.0 33.2



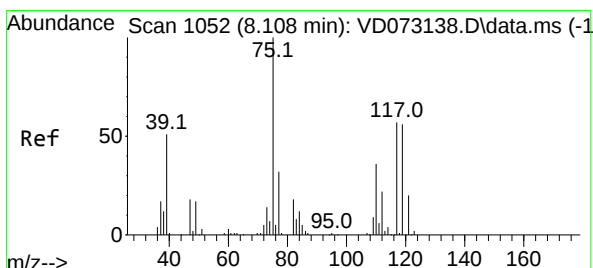
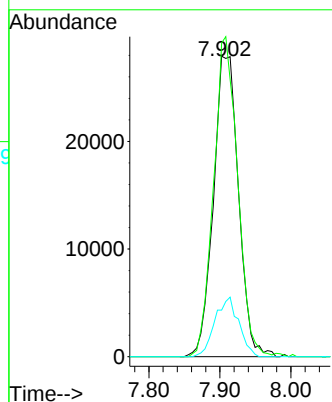
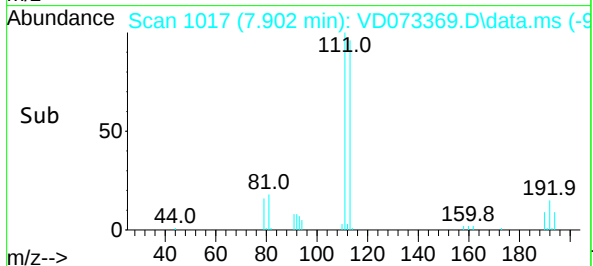


#35
Dibromofluoromethane
Concen: 62.517 ug/l
RT: 7.902 min Scan# 1017
Delta R.T. -0.012 min
Lab File: VD073369.D
Acq: 25 May 2022 19:18

Instrument :
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P021-SS004-0006-01

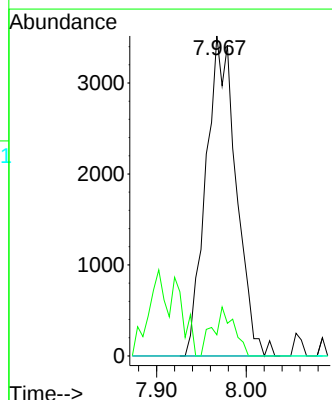
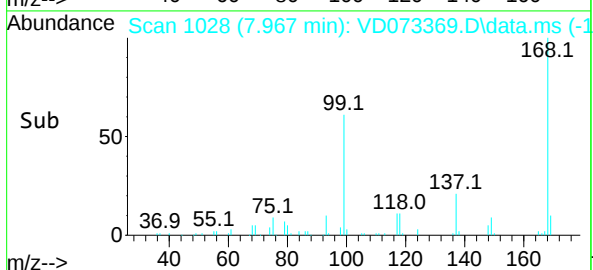
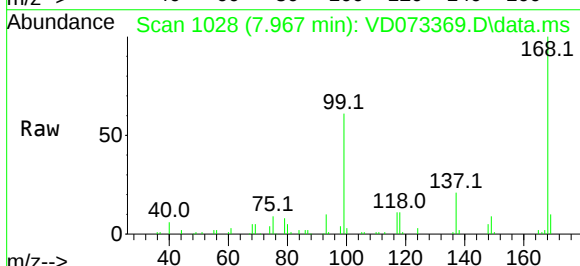


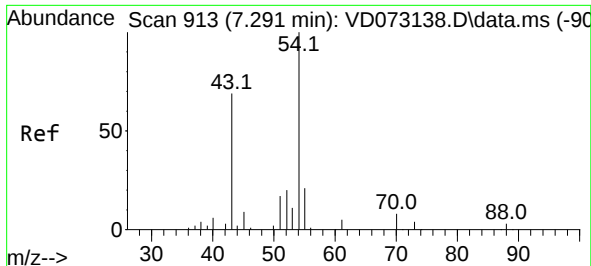
Tgt Ion:113 Resp: 68595
Ion Ratio Lower Upper
113 100
111 101.8 83.8 125.6
192 18.8 14.6 21.8



#36
1,1-Dichloropropene
Concen: 4.993 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.141 min
Lab File: VD073369.D
Acq: 25 May 2022 19:18

Tgt Ion: 75 Resp: 8239
Ion Ratio Lower Upper
75 100
110 10.7 16.4 49.1#
77 0.0 24.2 36.2#





#37

Ethyl Acetate

Concen: 6.238 ug/l

RT: 7.191 min Scan# 896

Delta R.T. -0.100 min

Lab File: VD073369.D

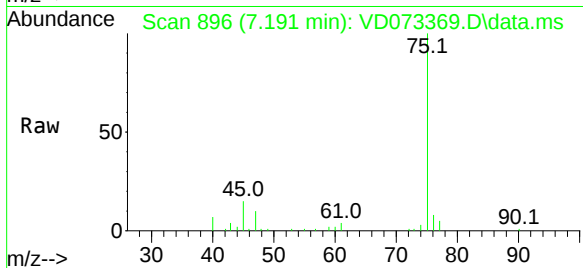
Acq: 25 May 2022 19:18

Instrument :

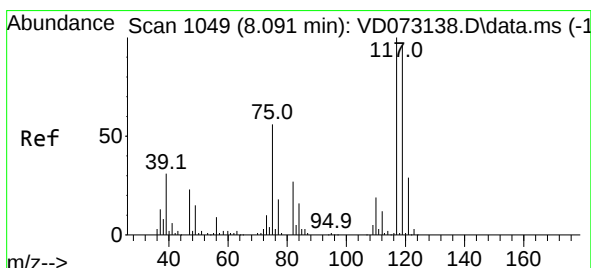
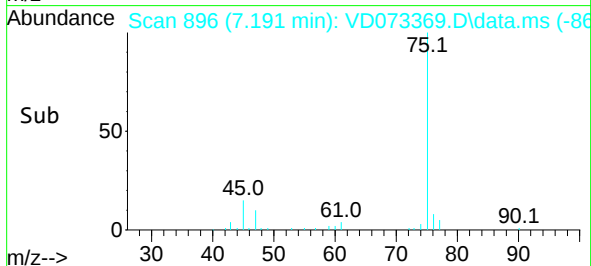
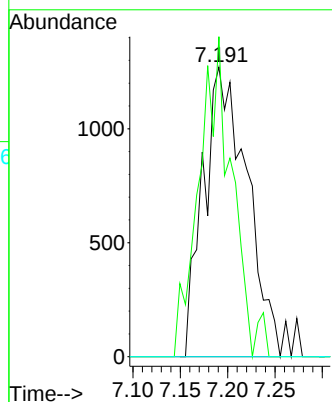
MSVOA_D

ClientSampleId :

P021-SS004-0006-01



Tgt Ion:	43	Resp:	4066
Ion Ratio	100	Lower	Upper
61	81.2	9.8	14.8#
70	0.0	6.9	10.3#



#38

Carbon Tetrachloride

Concen: 6.261 ug/l

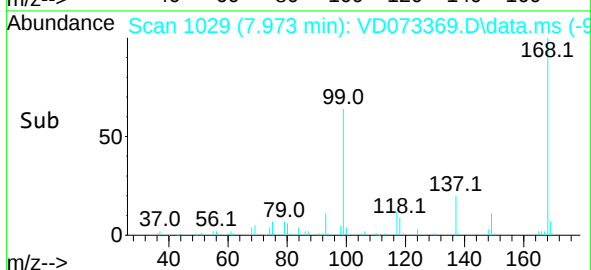
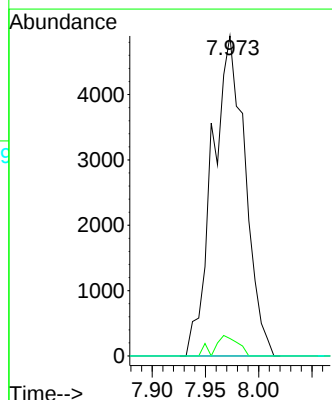
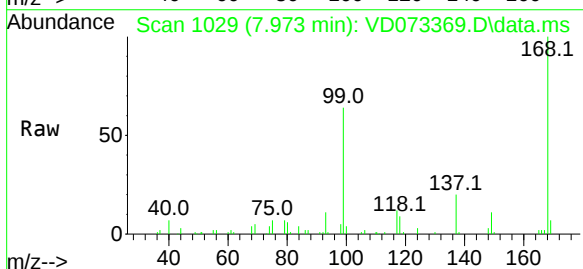
RT: 7.973 min Scan# 1029

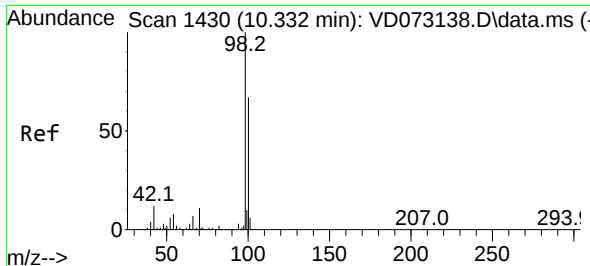
Delta R.T. -0.118 min

Lab File: VD073369.D

Acq: 25 May 2022 19:18

Tgt Ion:	117	Resp:	10474
Ion Ratio	100	Lower	Upper
119	5.4	75.8	113.6#
121	0.0	24.5	36.7#

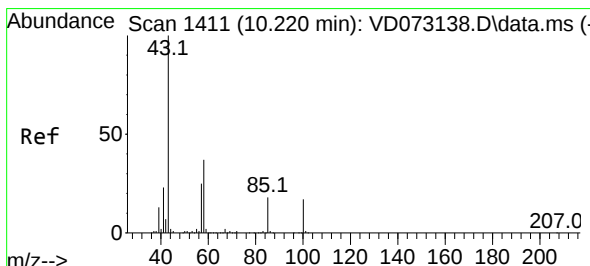
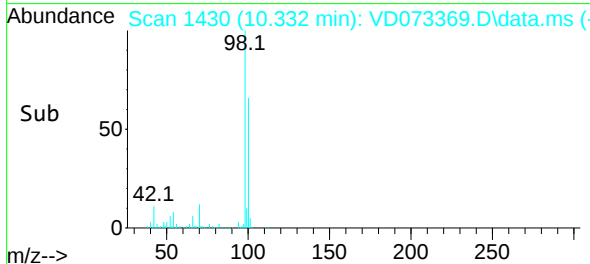
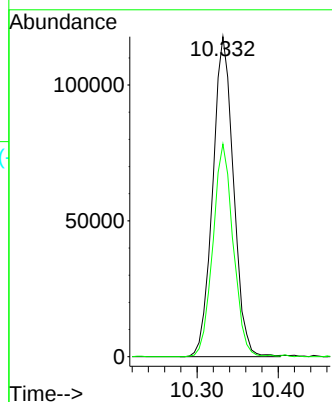
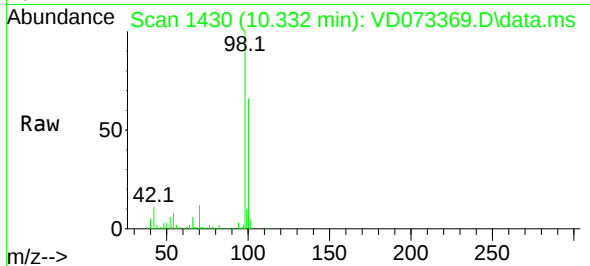




#50
Toluene-d8
Concen: 51.785 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD073369.D
Acq: 25 May 2022 19:18

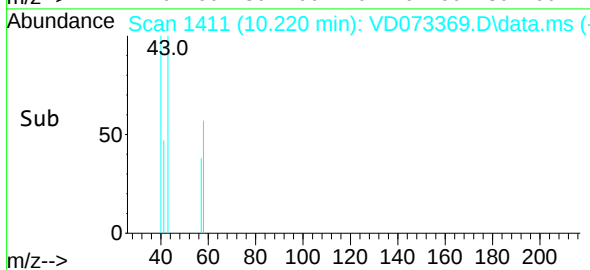
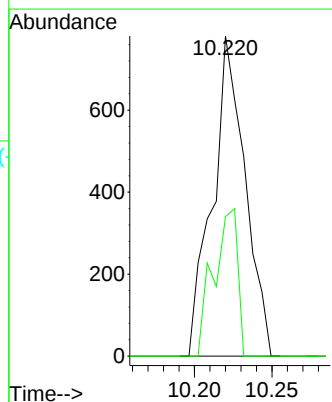
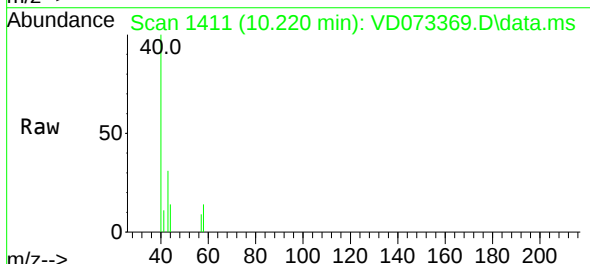
Instrument :
MSVOA_D
ClientSampleId :
P021-SS004-0006-01

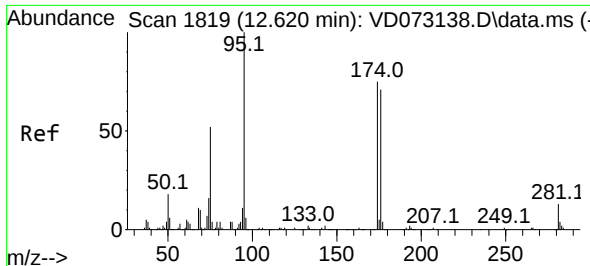
Tgt Ion: 98 Resp: 209450
Ion Ratio Lower Upper
98 100
100 64.8 52.4 78.6



#51
4-Methyl-2-Pentanone
Concen: 1.828 ug/l
RT: 10.220 min Scan# 1411
Delta R.T. 0.000 min
Lab File: VD073369.D
Acq: 25 May 2022 19:18

Tgt Ion: 43 Resp: 1144
Ion Ratio Lower Upper
43 100
58 33.8 28.6 43.0

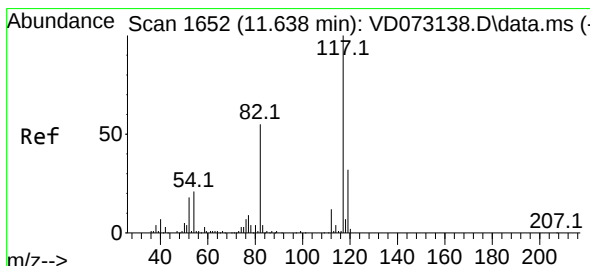
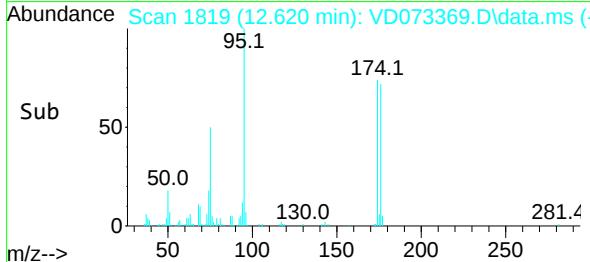
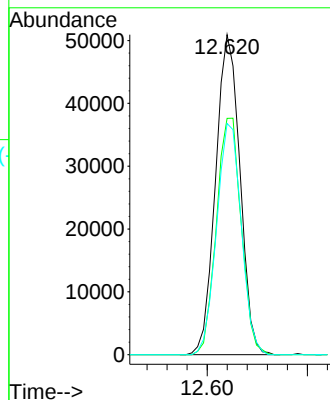
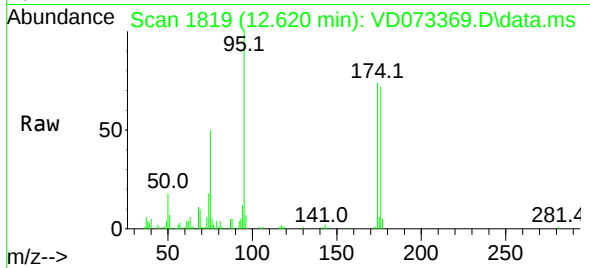




#62
4-Bromofluorobenzene
Concen: 60.437 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD073369.D
Acq: 25 May 2022 19:18

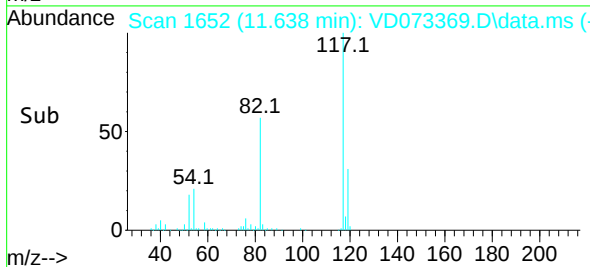
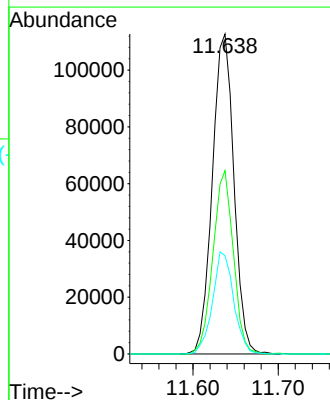
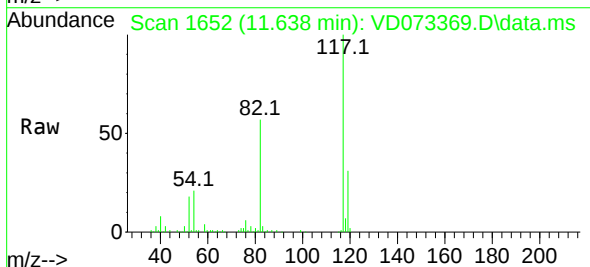
Instrument :
MSVOA_D
ClientSampleId :
P021-SS004-0006-01

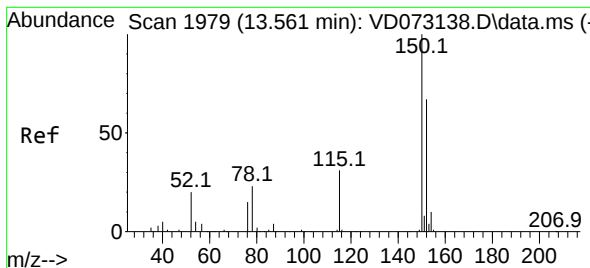
Tgt Ion: 95 Resp: 85786
Ion Ratio Lower Upper
95 100
174 75.2 0.0 152.8
176 73.1 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD073369.D
Acq: 25 May 2022 19:18

Tgt Ion: 117 Resp: 198159
Ion Ratio Lower Upper
117 100
82 57.3 45.3 67.9
119 30.7 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: VD073369.D

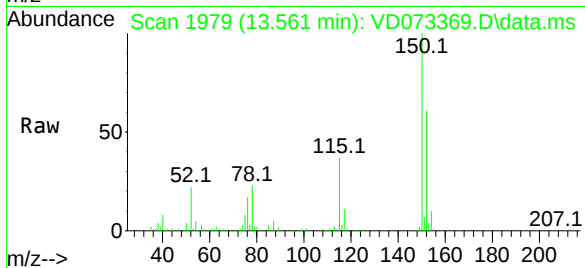
Acq: 25 May 2022 19:18

Instrument :

MSVOA_D

ClientSampleId :

P021-SS004-0006-01



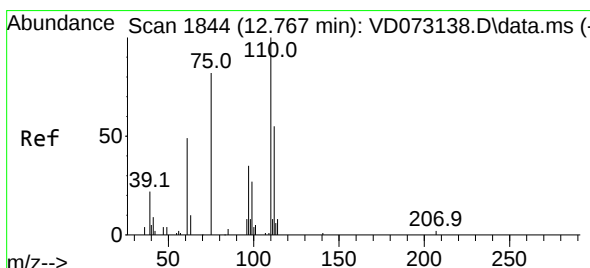
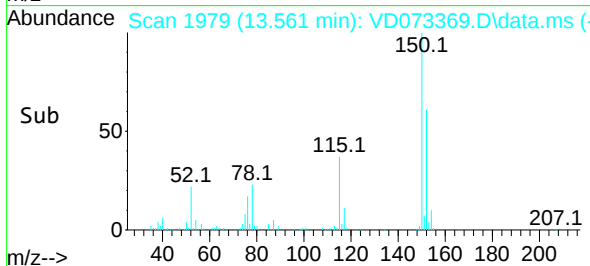
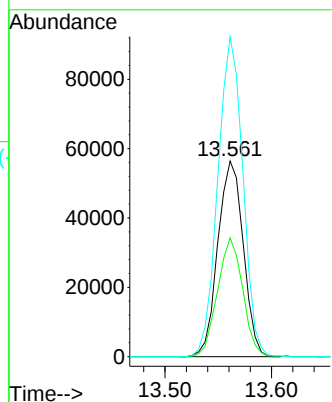
Tgt Ion:152 Resp: 93561

Ion Ratio Lower Upper

152 100

115 60.0 31.3 93.8

150 160.7 0.0 348.6



#76

1,2,3-Trichloropropane

Concen: 45.641 ug/l

RT: 12.620 min Scan# 1819

Delta R.T. -0.147 min

Lab File: VD073369.D

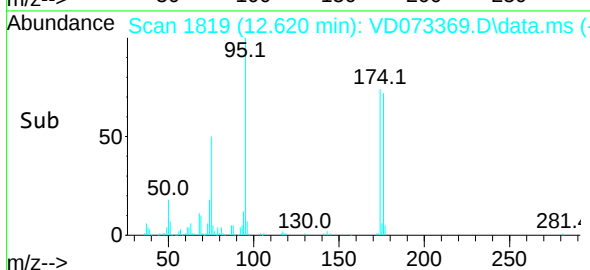
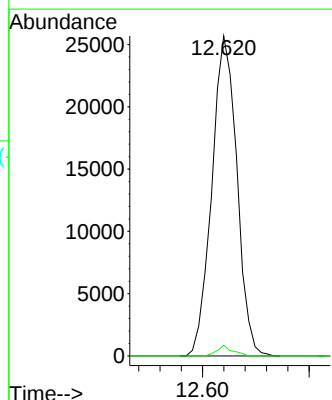
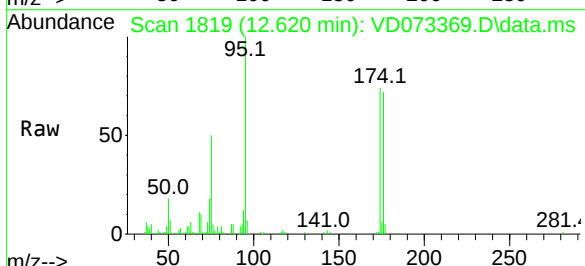
Acq: 25 May 2022 19:18

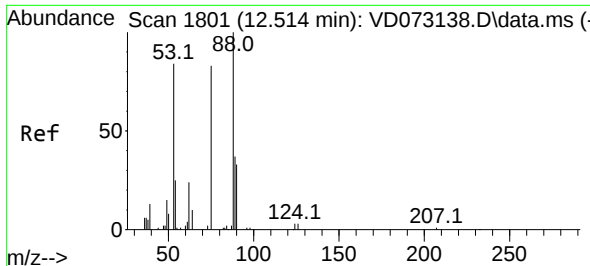
Tgt Ion: 75 Resp: 41898

Ion Ratio Lower Upper

75 100

77 2.1 0.0 0.0#

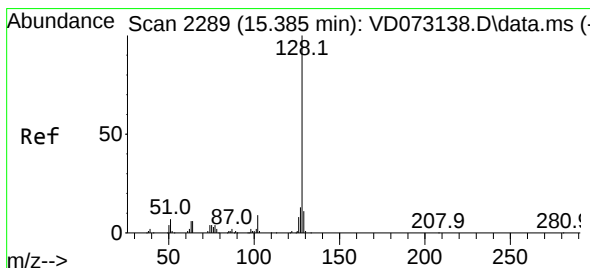
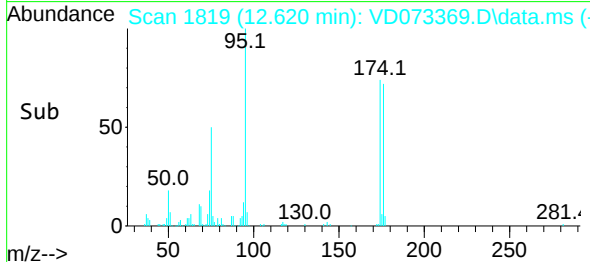
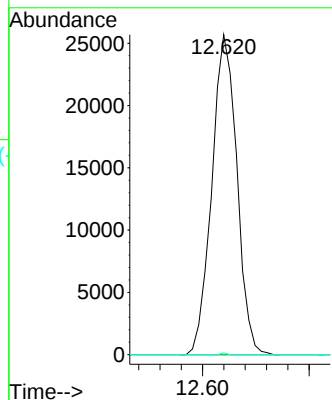
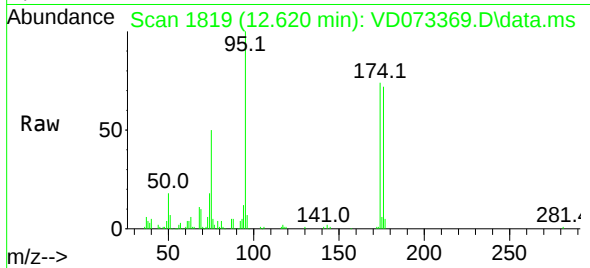




#81
trans-1,4-Dichloro-2-butene
Concen: 109.569 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD073369.D
Acq: 25 May 2022 19:18

Instrument :
MSVOA_D
ClientSampleId :
P021-SS004-0006-01

Tgt Ion: 75 Resp: 41898
Ion Ratio Lower Upper
75 100
53 0.0 86.5 129.7#
89 0.1 33.9 50.9#



#95
Naphthalene
Concen: 3.558 ug/l
RT: 15.367 min Scan# 2286
Delta R.T. -0.018 min
Lab File: VD073369.D
Acq: 25 May 2022 19:18

Tgt Ion: 128 Resp: 54
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.4 12.6#

