

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052422\
 Data File : VD073342.D
 Acq On : 25 May 2022 00:54
 Operator : VA/SY
 Sample : N2949-23
 Misc : 5.29G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 P044-SS003-0006-01

Quant Time: May 25 05:32:41 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)

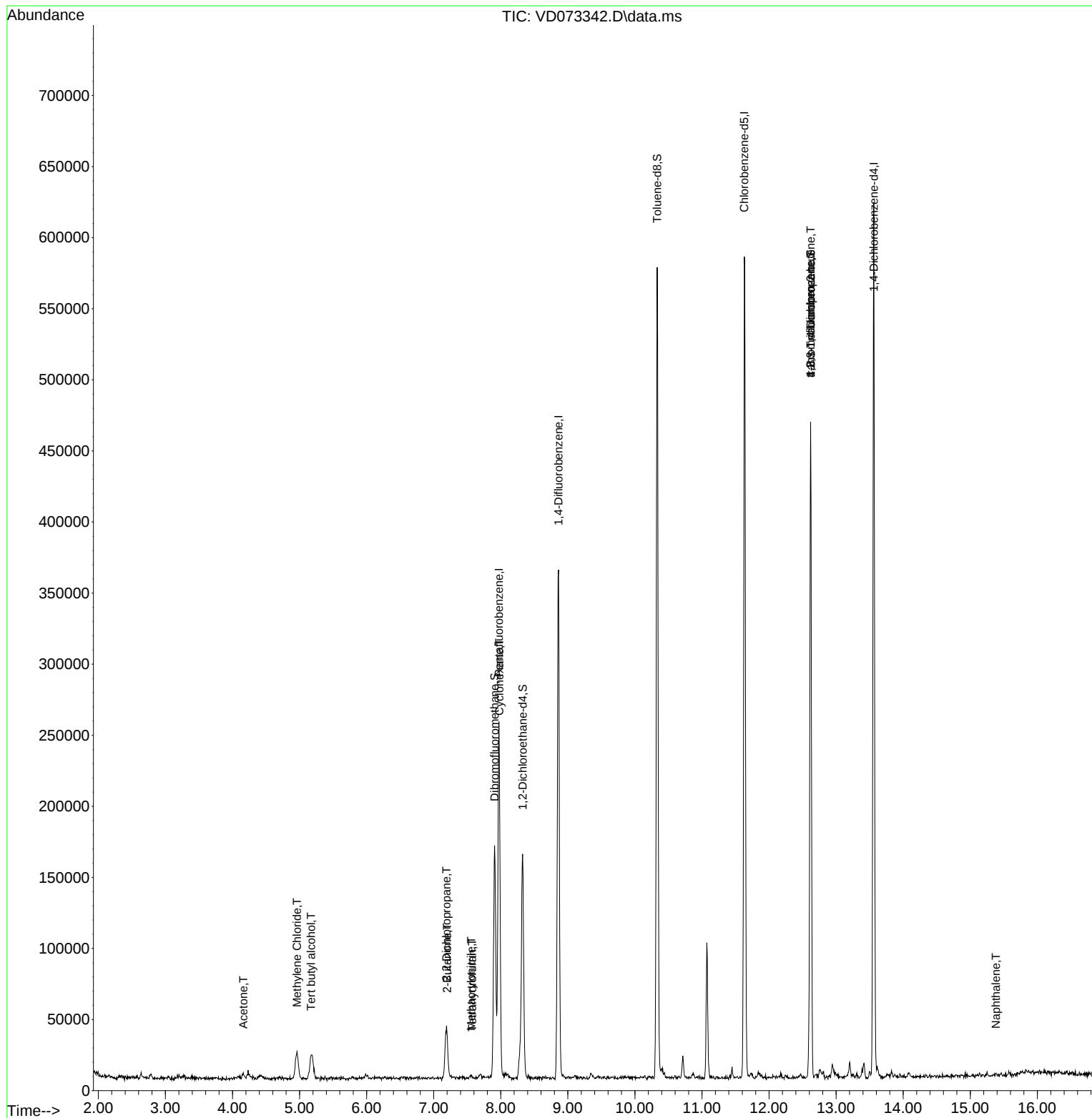
Internal Standards						
1) Pentafluorobenzene	7.973	168	178020	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	307835	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	349594	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	162124	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	122028	62.026	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 124.060%	
35) Dibromofluoromethane	7.908	113	115556	56.888	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 113.780%	
50) Toluene-d8	10.332	98	387950	51.810	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 103.620%	
62) 4-Bromofluorobenzene	12.620	95	152086	57.876	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 115.760%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.785	94	1809	Below Cal	#	75
11) Tert butyl alcohol	5.173	59	17018	55.753	ug/l #	75
16) Acetone	4.162	43	5910	17.343	ug/l	97
20) Methylene Chloride	4.962	84	15502	3.455	ug/l #	82
25) 2-Butanone	7.203	43	1233	2.473	ug/l #	52
26) 2,2-Dichloropropane	7.191	77	3421	1.032	ug/l #	54
29) Tetrahydrofuran	7.573	42	1067	3.310	ug/l #	48
31) Cyclohexane	7.979	56	5514	1.604	ug/l #	1
41) Methacrylonitrile	7.561	41	705	1.003	ug/l #	41
76) 1,2,3-Trichloropropane	12.620	75	75811	47.658	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	75811	114.413	ug/l #	8
95) Naphthalene	15.385	128	1465	3.798	ug/l #	70

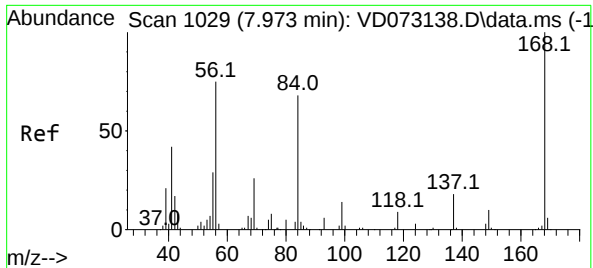
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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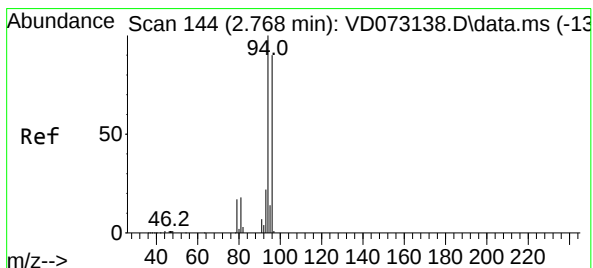
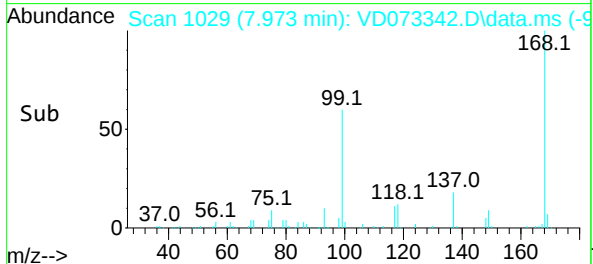
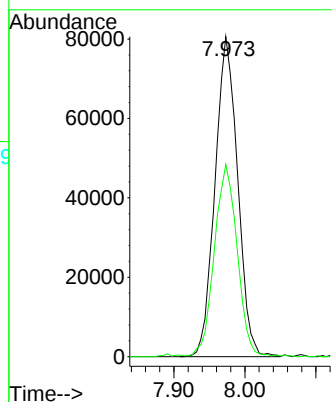
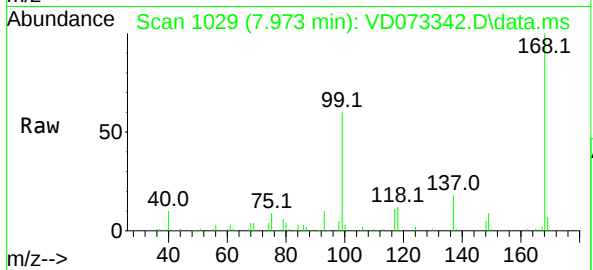




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD073342.D
Acq: 25 May 2022 00:54

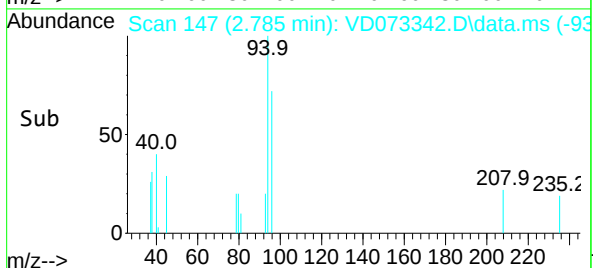
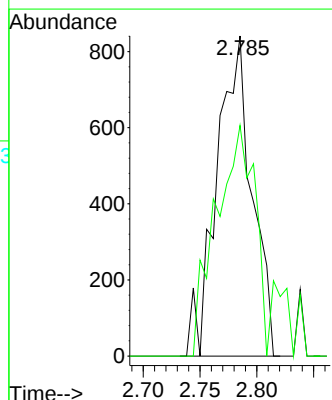
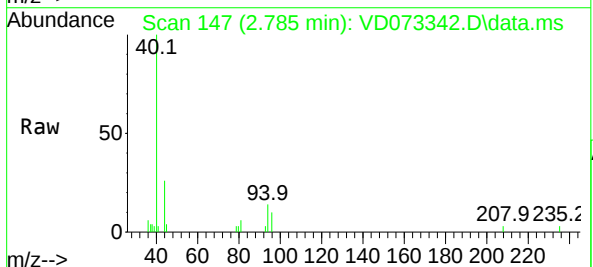
Instrument :
MSVOA_D
ClientSampleId :
P044-SS003-0006-01

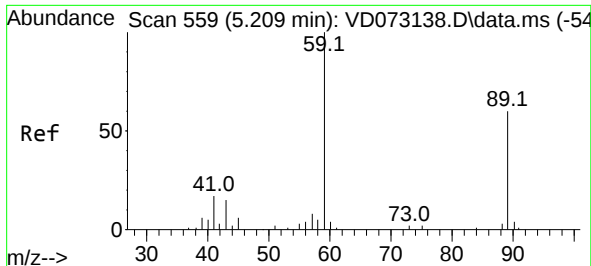
Tgt Ion:168 Resp: 178020
Ion Ratio Lower Upper
168 100
99 59.8 49.8 74.6



#5
Bromomethane
Concen: Below Cal
RT: 2.785 min Scan# 147
Delta R.T. 0.017 min
Lab File: VD073342.D
Acq: 25 May 2022 00:54

Tgt Ion: 94 Resp: 1809
Ion Ratio Lower Upper
94 100
96 72.1 77.6 116.4#





#11

Tert butyl alcohol

Concen: 55.753 ug/l

RT: 5.173 min Scan# 51

Delta R.T. -0.036 min

Lab File: VD073342.D

Acq: 25 May 2022 00:54

Instrument :

MSVOA_D

ClientSampleId :

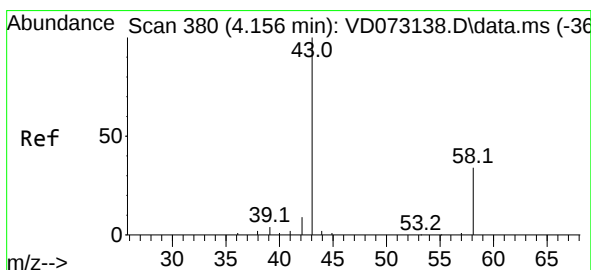
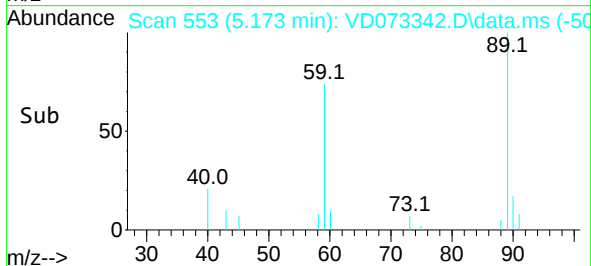
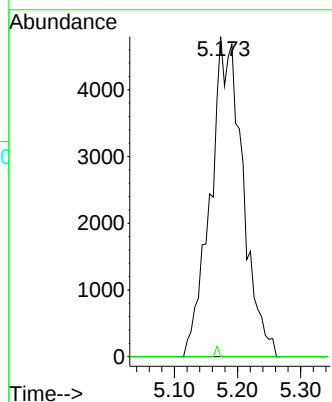
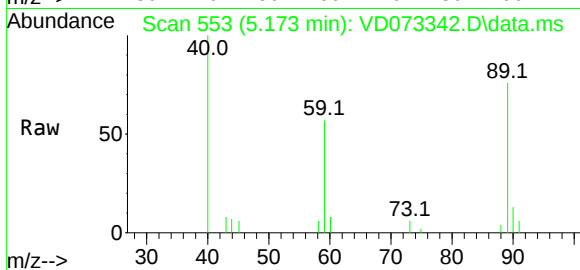
P044-SS003-0006-01

Tgt Ion: 59 Resp: 17018

Ion Ratio Lower Upper

59 100

57 0.3 7.8 11.6#



#16

Acetone

Concen: 17.343 ug/l

RT: 4.162 min Scan# 381

Delta R.T. 0.006 min

Lab File: VD073342.D

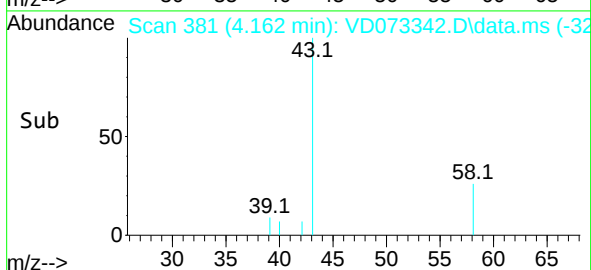
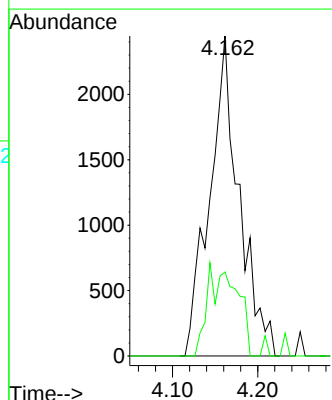
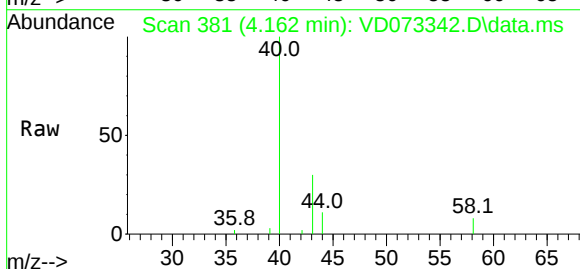
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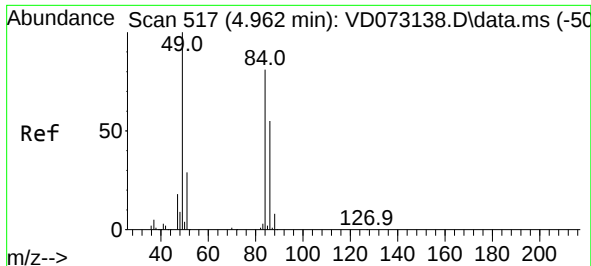
Tgt Ion: 43 Resp: 5910

Ion Ratio Lower Upper

43 100

58 26.2 22.1 33.1





#20

Methylene Chloride

Concen: 3.455 ug/l

RT: 4.962 min Scan# 517

Delta R.T. -0.000 min

Lab File: VD073342.D

Acq: 25 May 2022 00:54

Instrument :

MSVOA_D

ClientSampleId :

P044-SS003-0006-01

Tgt Ion: 84 Resp: 15502

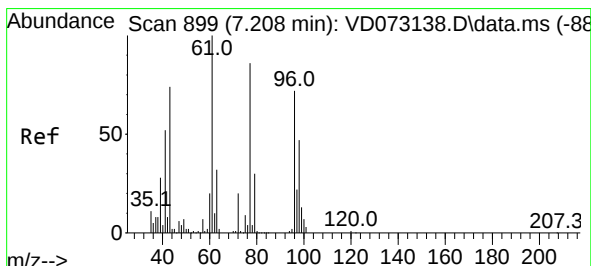
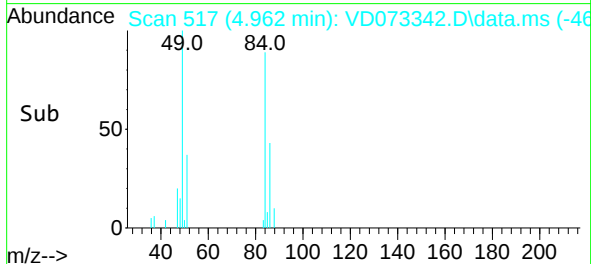
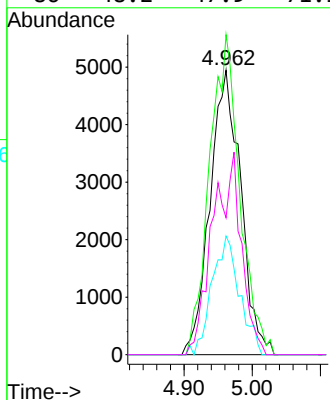
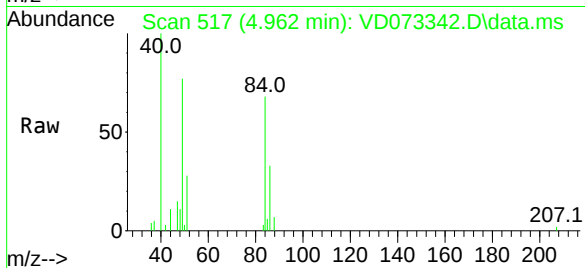
Ion Ratio Lower Upper

84 100

49 112.5 112.8 169.2#

51 41.7 32.6 48.8

86 48.2 47.9 71.9



#25

2-Butanone

Concen: 2.473 ug/l

RT: 7.203 min Scan# 898

Delta R.T. -0.005 min

Lab File: VD073342.D

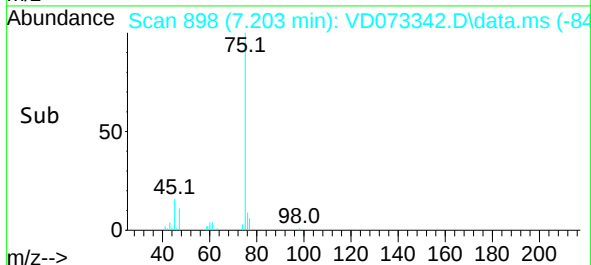
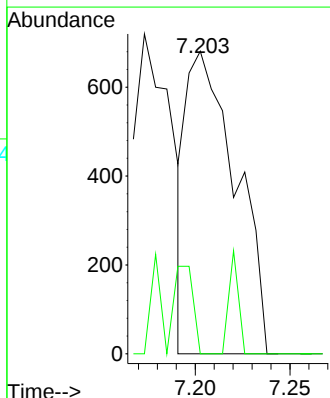
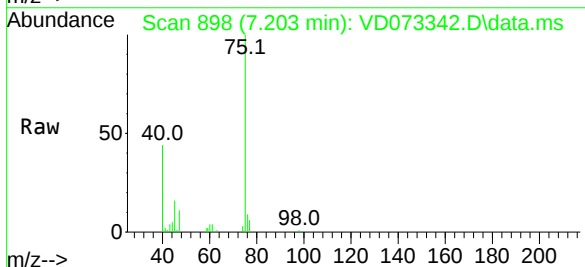
Acq: 25 May 2022 00:54

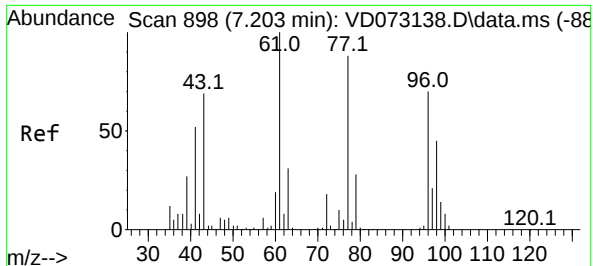
Tgt Ion: 43 Resp: 1233

Ion Ratio Lower Upper

43 100

72 0.0 18.6 27.8#





#26

2,2-Dichloropropane

Concen: 1.032 ug/l

RT: 7.191 min Scan# 898

Delta R.T. -0.012 min

Lab File: VD073342.D

Acq: 25 May 2022 00:54

Instrument :

MSVOA_D

ClientSampleId :

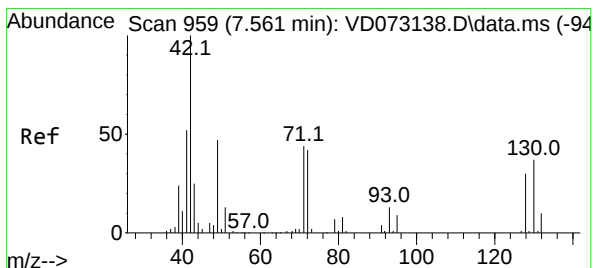
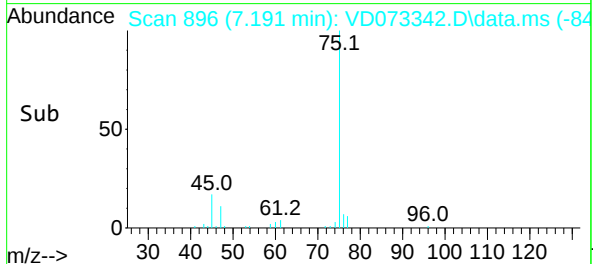
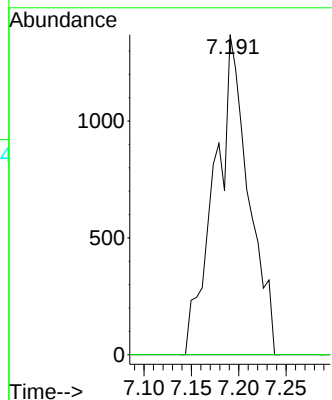
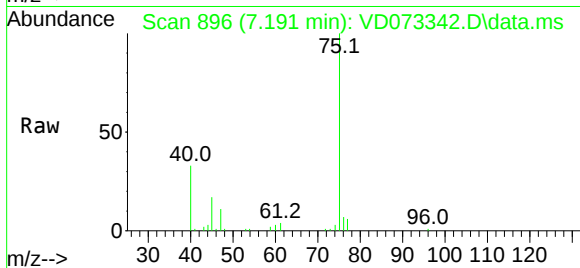
P044-SS003-0006-01

Tgt Ion: 77 Resp: 3421

Ion Ratio Lower Upper

77 100

97 0.0 10.8 32.4#



#29

Tetrahydrofuran

Concen: 3.310 ug/l

RT: 7.573 min Scan# 961

Delta R.T. 0.012 min

Lab File: VD073342.D

Acq: 25 May 2022 00:54

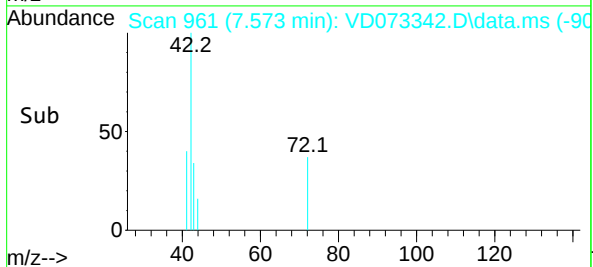
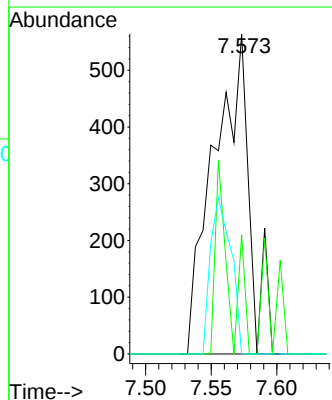
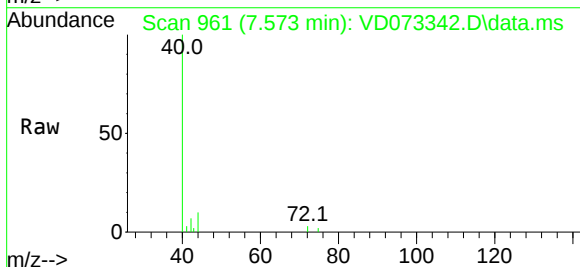
Tgt Ion: 42 Resp: 1067

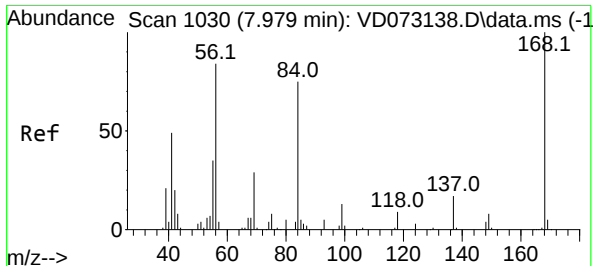
Ion Ratio Lower Upper

42 100

72 12.2 30.7 46.1#

71 0.0 28.6 43.0#





#31

Cyclohexane

Concen: 1.604 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. 0.000 min

Lab File: VD073342.D

Acq: 25 May 2022 00:54

Instrument :

MSVOA_D

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P044-SS003-0006-01

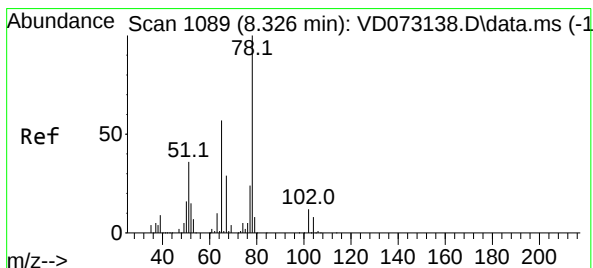
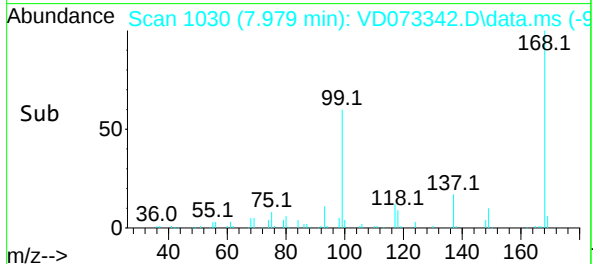
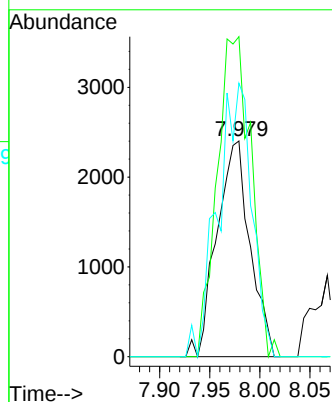
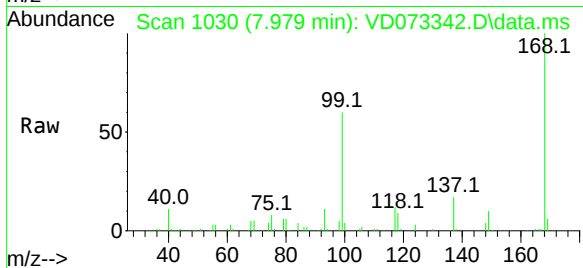
Tgt Ion: 56 Resp: 5514

Ion Ratio Lower Upper

56 100

69 148.4 25.4 38.2#

84 126.8 63.0 94.4#



#33

1,2-Dichloroethane-d4

Concen: 62.026 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. 0.000 min

Lab File: VD073342.D

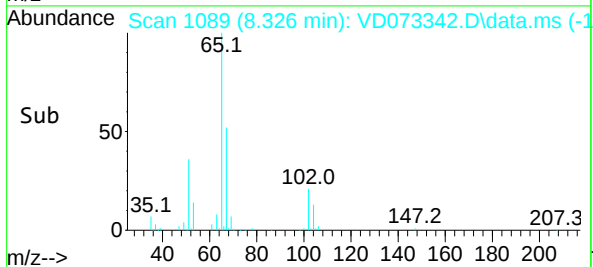
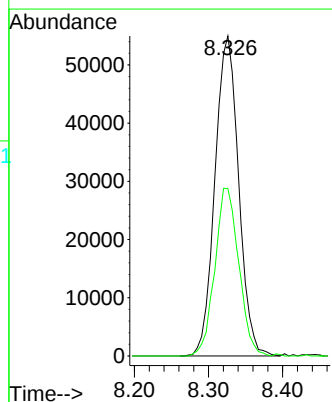
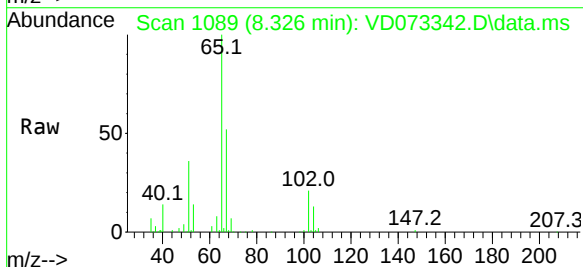
Acq: 25 May 2022 00:54

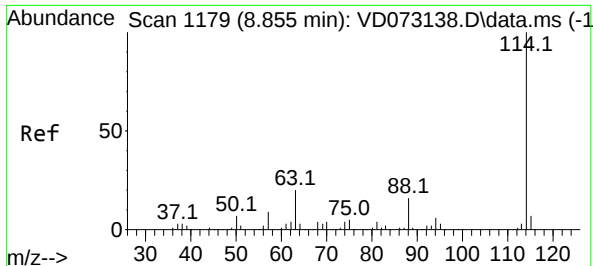
Tgt Ion: 65 Resp: 122028

Ion Ratio Lower Upper

65 100

67 53.0 0.0 101.4

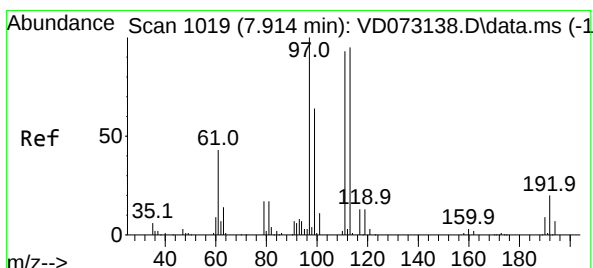
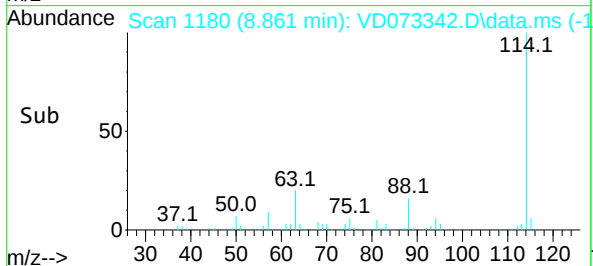
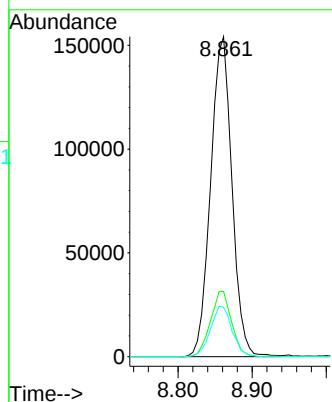
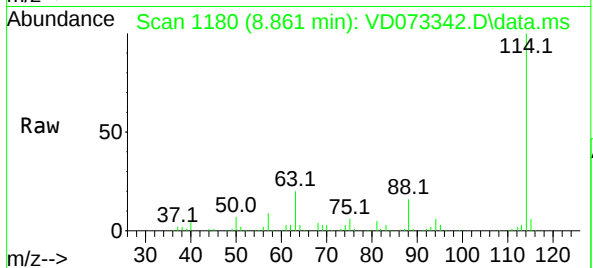




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1179
Delta R.T. 0.006 min
Lab File: VD073342.D
Acq: 25 May 2022 00:54

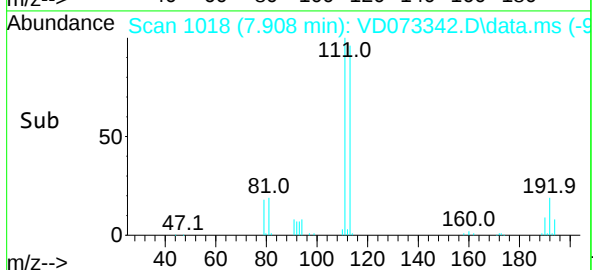
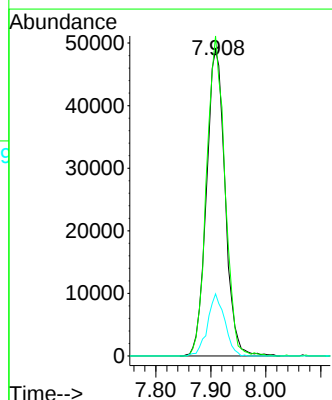
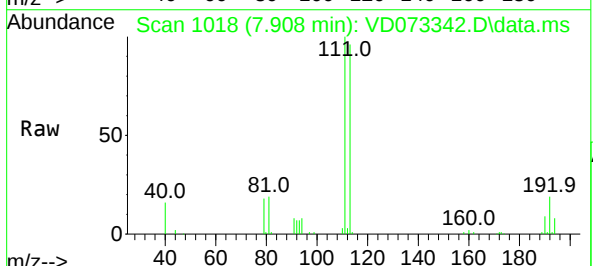
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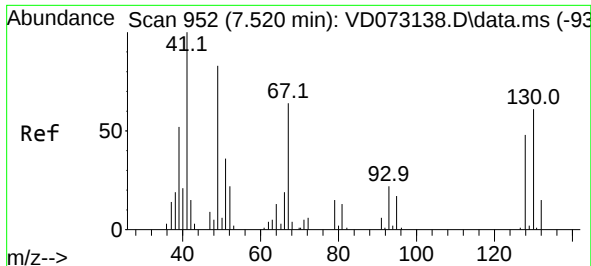
Tgt Ion:114 Resp: 307835
Ion Ratio Lower Upper
114 100
63 20.4 0.0 46.6
88 15.5 0.0 33.2



#35
Dibromofluoromethane
Concen: 56.888 ug/l
RT: 7.908 min Scan# 1018
Delta R.T. -0.006 min
Lab File: VD073342.D
Acq: 25 May 2022 00:54

Tgt Ion:113 Resp: 115556
Ion Ratio Lower Upper
113 100
111 102.4 83.8 125.6
192 18.6 14.6 21.8

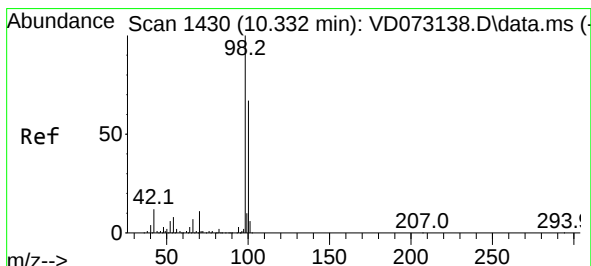
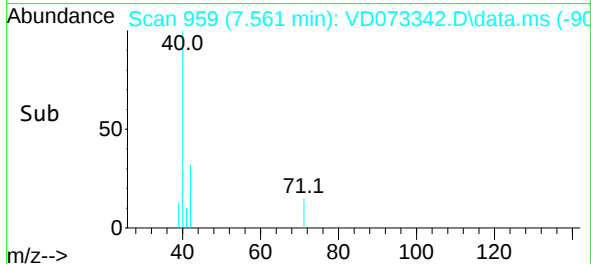
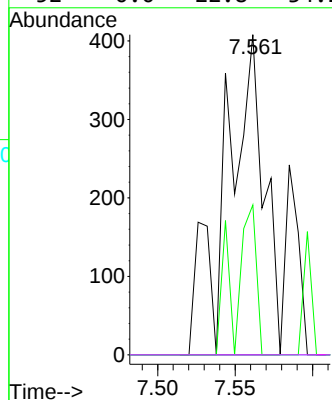
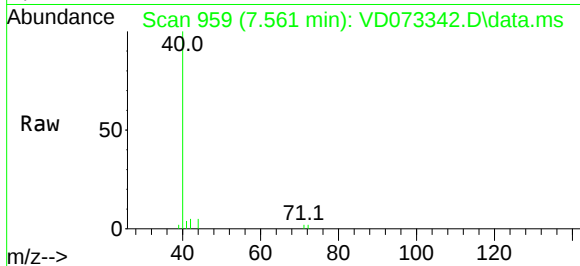




#41
Methacrylonitrile
Concen: 1.003 ug/l
RT: 7.561 min Scan# 91
Delta R.T. 0.041 min
Lab File: VD073342.D
Acq: 25 May 2022 00:54

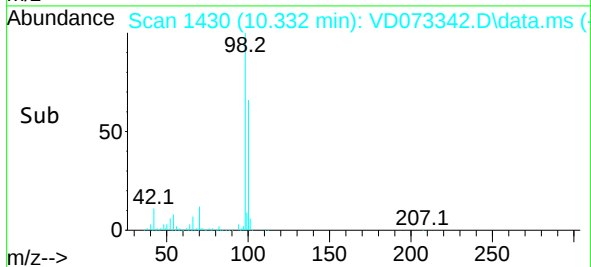
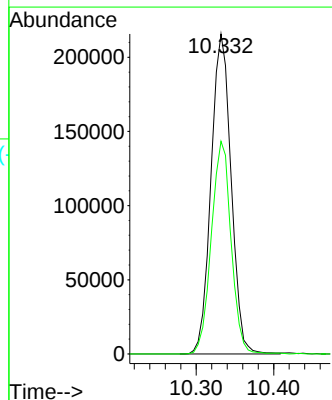
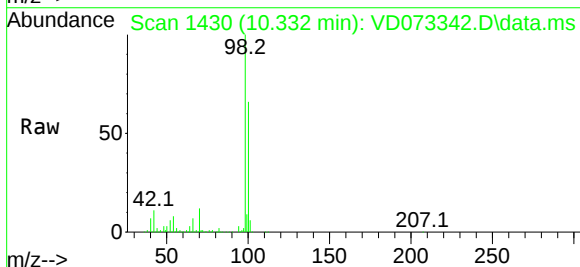
Instrument :
MSVOA_D
ClientSampleId :
P044-SS003-0006-01

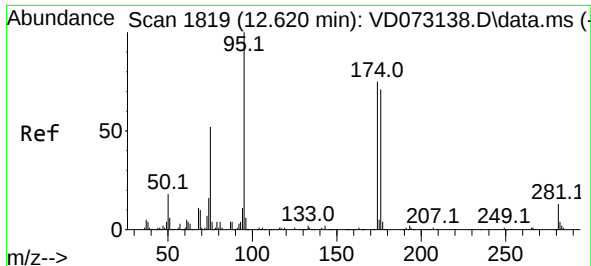
Tgt Ion: 41 Resp: 705
Ion Ratio Lower Upper
41 100
39 26.2 44.6 67.0#
67 0.0 48.2 72.4#
52 0.0 22.8 34.2#



#50
Toluene-d8
Concen: 51.810 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD073342.D
Acq: 25 May 2022 00:54

Tgt Ion: 98 Resp: 387950
Ion Ratio Lower Upper
98 100
100 65.4 52.4 78.6

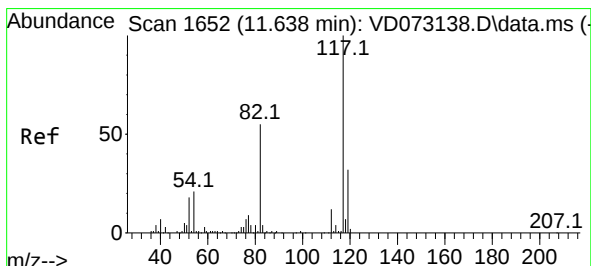
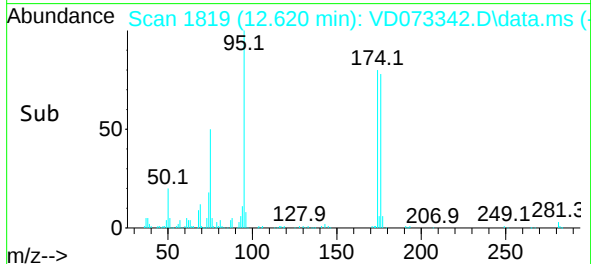
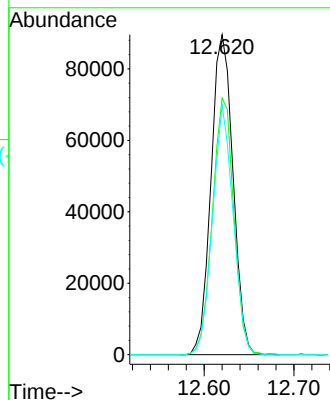
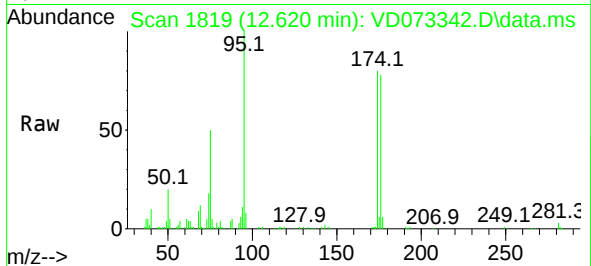




#62
4-Bromofluorobenzene
Concen: 57.876 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD073342.D
Acq: 25 May 2022 00:54

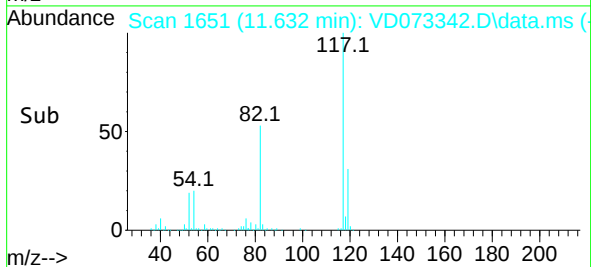
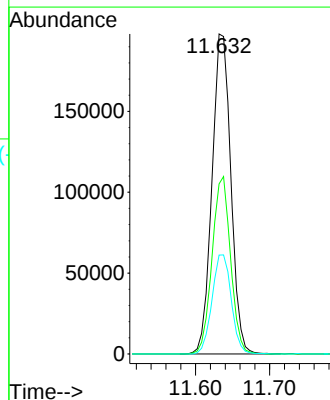
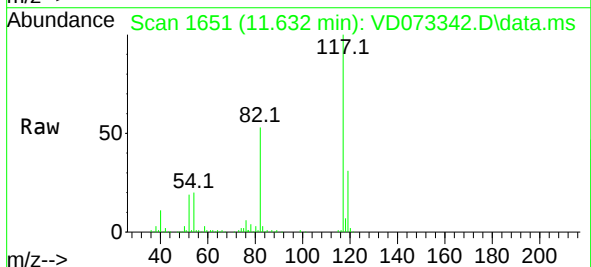
Instrument :
MSVOA_D
ClientSampleId :
P044-SS003-0006-01

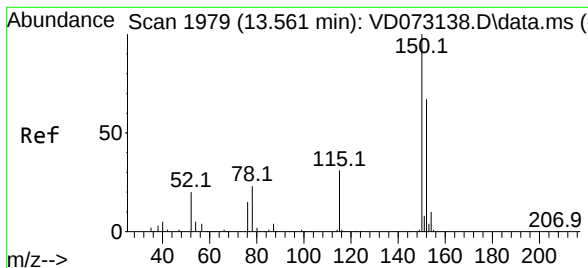
Tgt Ion: 95 Resp: 152086
Ion Ratio Lower Upper
95 100
174 78.6 0.0 152.8
176 73.6 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 1651
Delta R.T. -0.006 min
Lab File: VD073342.D
Acq: 25 May 2022 00:54

Tgt Ion: 117 Resp: 349594
Ion Ratio Lower Upper
117 100
82 53.2 45.3 67.9
119 30.9 26.6 40.0

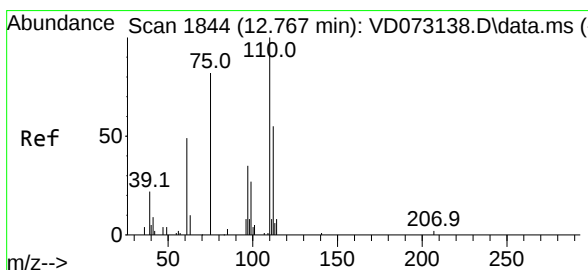
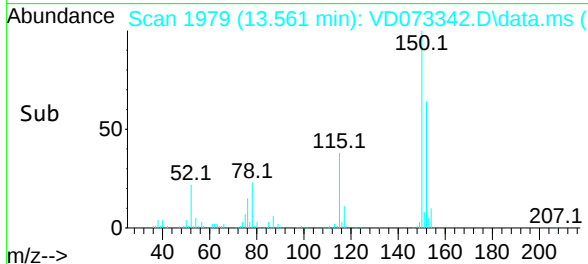
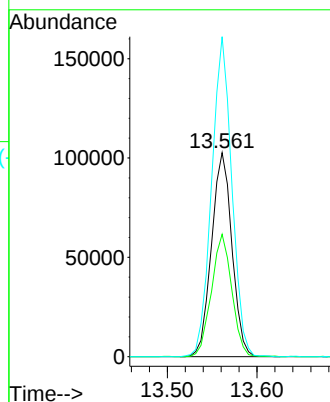
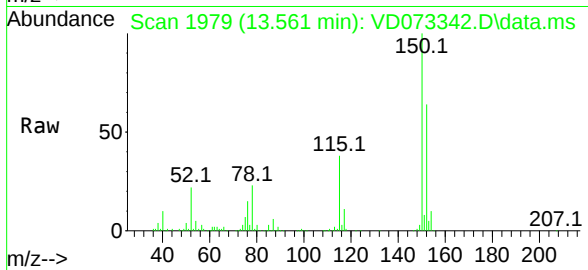




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.561 min Scan# 1819
 Delta R.T. 0.000 min
 Lab File: VD073342.D
 Acq: 25 May 2022 00:54

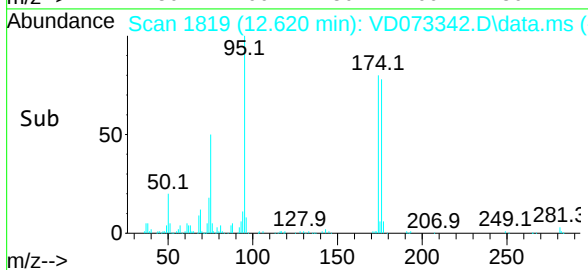
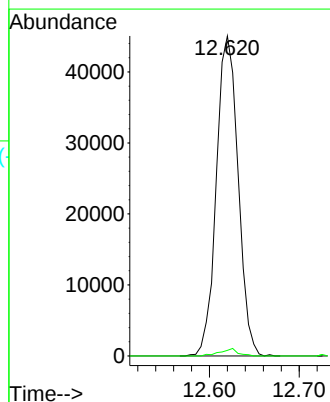
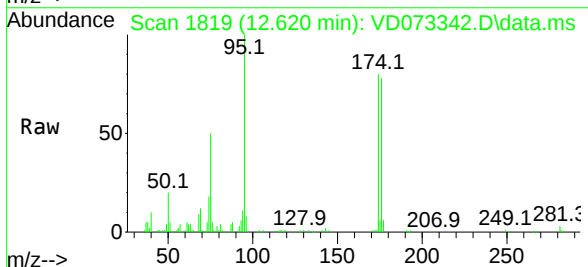
Instrument :
 MSVOA_D
 ClientSampleId :
 P044-SS003-0006-01

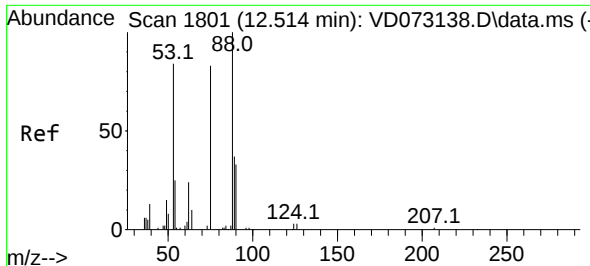
Tgt Ion:152 Resp: 162124
 Ion Ratio Lower Upper
 152 100
 115 59.9 31.3 93.8
 150 155.3 0.0 348.6



#76
 1,2,3-Trichloropropane
 Concen: 47.658 ug/l
 RT: 12.620 min Scan# 1819
 Delta R.T. -0.147 min
 Lab File: VD073342.D
 Acq: 25 May 2022 00:54

Tgt Ion: 75 Resp: 75811
 Ion Ratio Lower Upper
 75 100
 77 1.9 0.0 0.0#

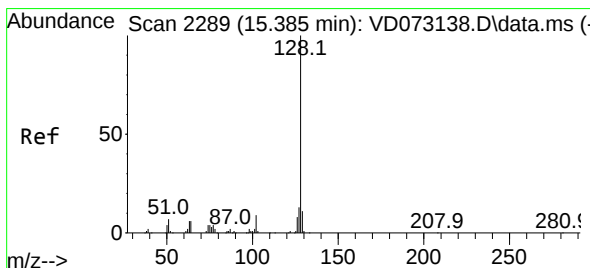
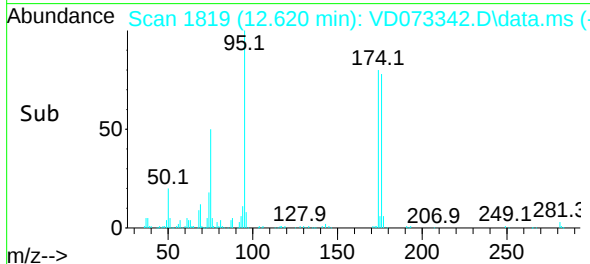
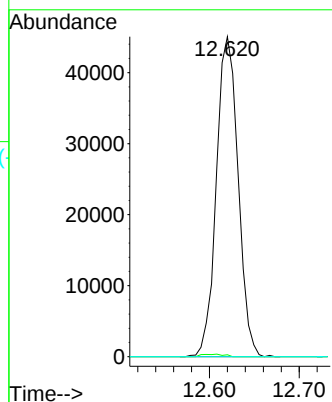
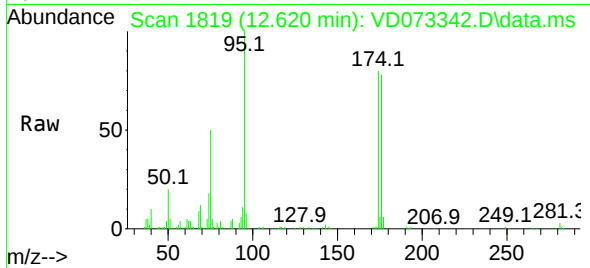




#81
trans-1,4-Dichloro-2-butene
Concen: 114.413 ug/l
RT: 12.620 min Scan# 1801
Delta R.T. 0.106 min
Lab File: VD073342.D
Acq: 25 May 2022 00:54

Instrument :
MSVOA_D
ClientSampleId :
P044-SS003-0006-01

Tgt Ion: 75 Resp: 75811
Ion Ratio Lower Upper
75 100
53 0.8 86.5 129.7#
89 0.0 33.9 50.9#



#95
Naphthalene
Concen: 3.798 ug/l
RT: 15.385 min Scan# 2289
Delta R.T. -0.000 min
Lab File: VD073342.D
Acq: 25 May 2022 00:54

Tgt Ion: 128 Resp: 1465
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.4 12.6#

