

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052022\
 Data File : VD073213.D
 Acq On : 21 May 2022 06:50
 Operator : VA/SY
 Sample : N2885-09
 Misc : 4.36G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 P004-SS006-0006-01

Quant Time: May 22 00:00:14 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)

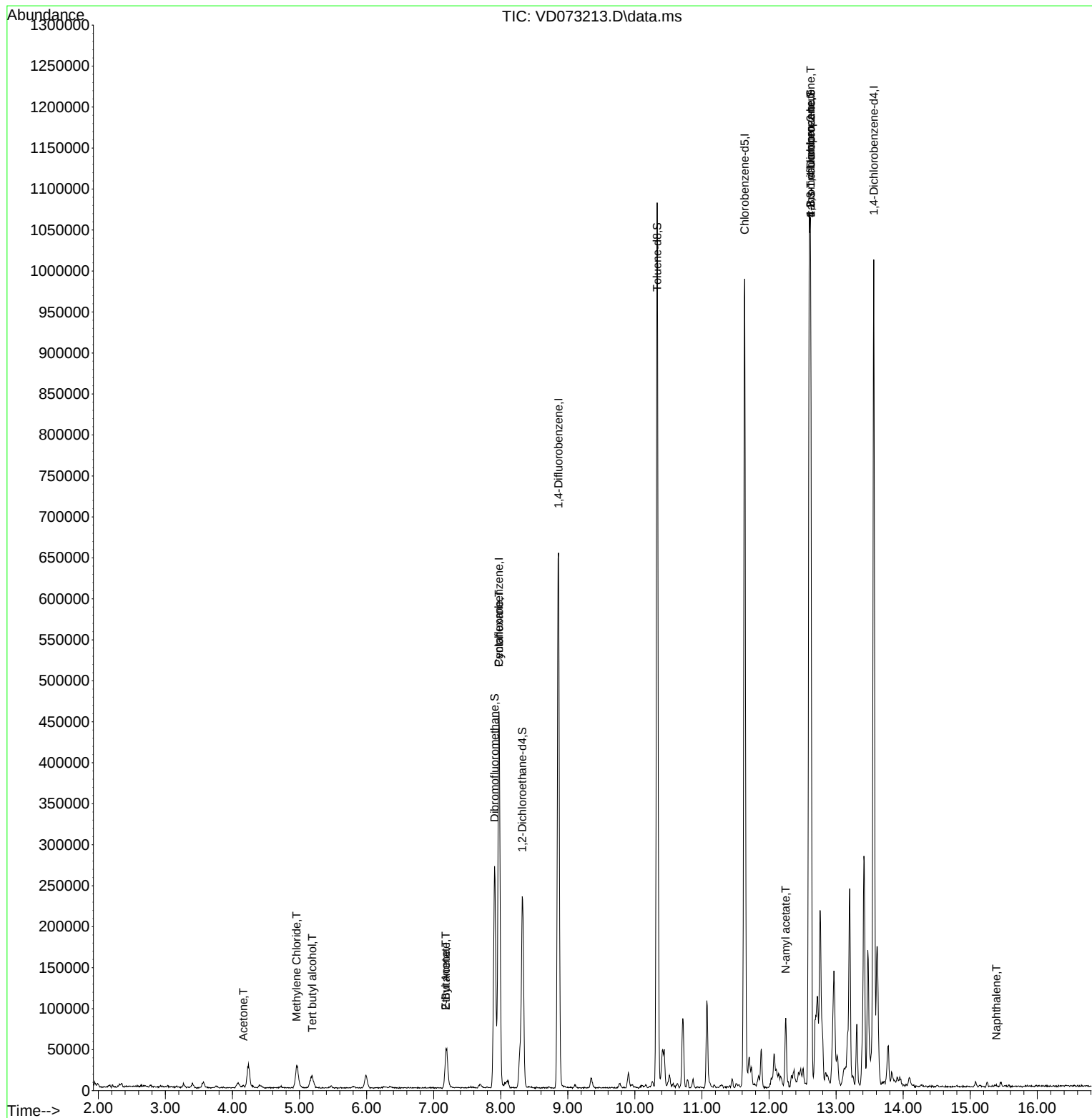
Internal Standards						
1) Pentafluorobenzene	7.973	168	330184	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	568677	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	584955	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	264623	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	177712	48.702	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 97.400%			
35) Dibromofluoromethane	7.909	113	190270	50.705	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.400%			
50) Toluene-d8	10.332	98	703807	50.880	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 101.760%			
62) 4-Bromofluorobenzene	12.620	95	286311	58.979	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 117.960%			
Target Compounds						
					Qvalue	
5) Bromomethane	2.774	94	1596	Below Cal	#	43
11) Tert butyl alcohol	5.191	59	15141	26.744	ug/l #	74
13) Acrolein	3.932	56	77	Below Cal	#	14
16) Acetone	4.162	43	4443	7.030	ug/l	100
20) Methylene Chloride	4.956	84	20642	1.256	ug/l #	80
25) 2-Butanone	7.179	43	2494	2.697	ug/l #	52
31) Cyclohexane	7.973	56	11310	1.774	ug/l #	18
37) Ethyl Acetate	7.179	43	2494	1.119	ug/l #	72
74) N-amyl acetate	12.249	43	13245	3.218	ug/l #	66
76) 1,2,3-Trichloropropane	12.620	75	144075	55.490	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	144075	133.215	ug/l #	7
95) Naphthalene	15.390	128	1969	3.753	ug/l #	78

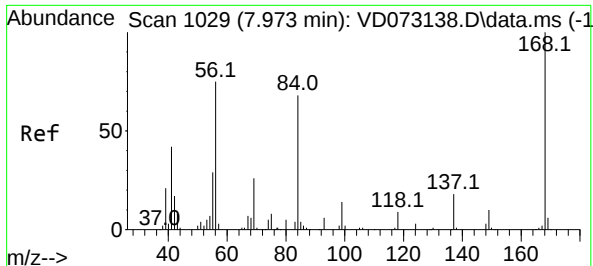
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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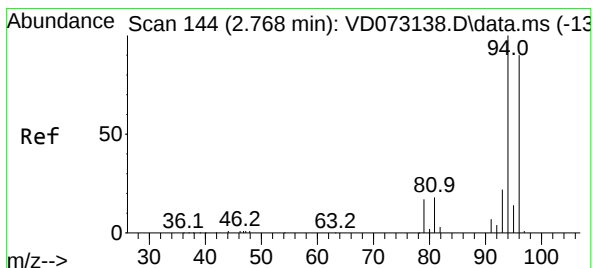
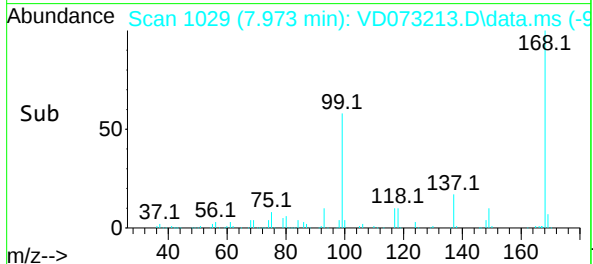
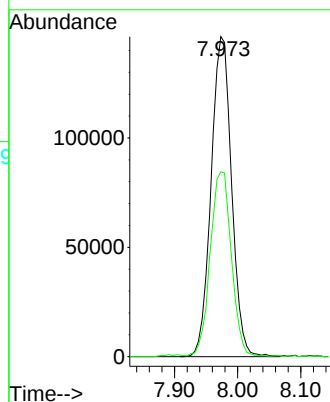
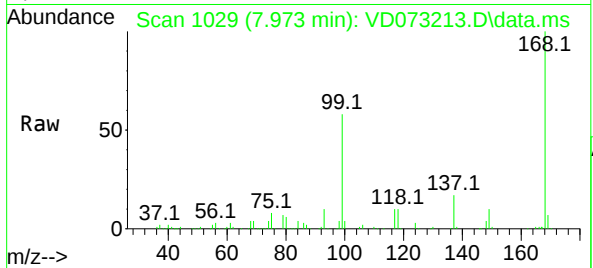




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD073213.D
Acq: 21 May 2022 06:50

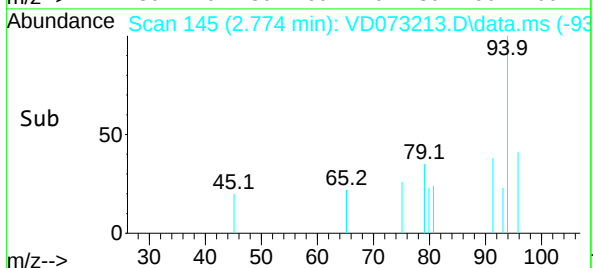
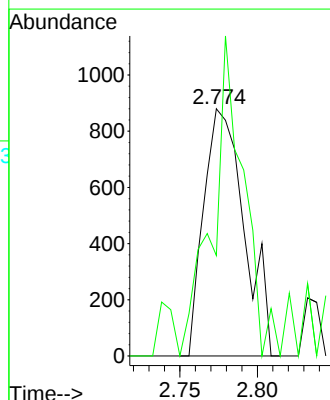
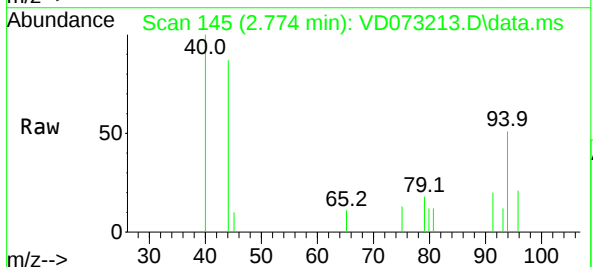
Instrument :
MSVOA_D
ClientSampleId :
P004-SS006-0006-01

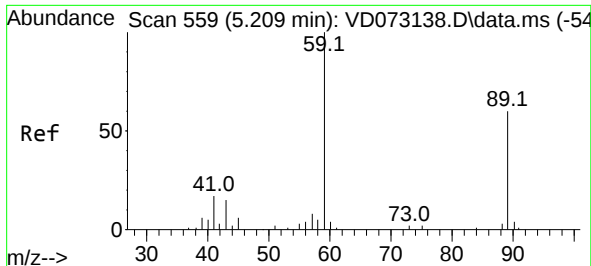
Tgt Ion:168 Resp: 330184
Ion Ratio Lower Upper
168 100
99 57.5 49.8 74.6



#5
Bromomethane
Concen: Below Cal
RT: 2.774 min Scan# 145
Delta R.T. 0.006 min
Lab File: VD073213.D
Acq: 21 May 2022 06:50

Tgt Ion: 94 Resp: 1596
Ion Ratio Lower Upper
94 100
96 40.7 77.6 116.4#





#11

Tert butyl alcohol

Concen: 26.744 ug/l

RT: 5.191 min Scan# 51

Delta R.T. -0.018 min

Lab File: VD073213.D

Acq: 21 May 2022 06:50

Instrument :

MSVOA_D

ClientSampleId :

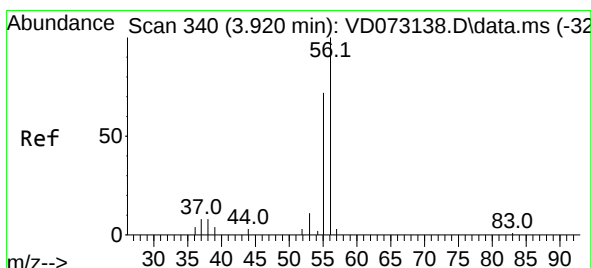
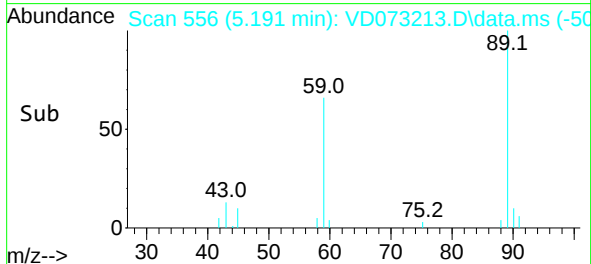
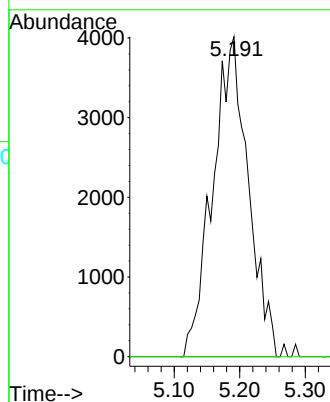
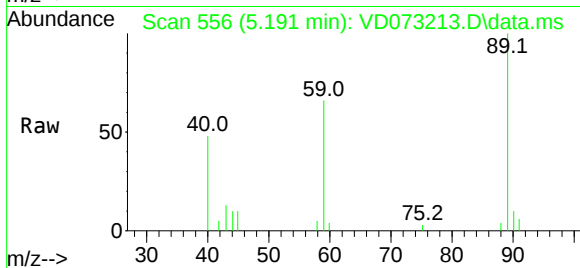
P004-SS006-0006-01

Tgt Ion: 59 Resp: 15141

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.6#



#13

Acrolein

Concen: Below Cal

RT: 3.932 min Scan# 342

Delta R.T. 0.012 min

Lab File: VD073213.D

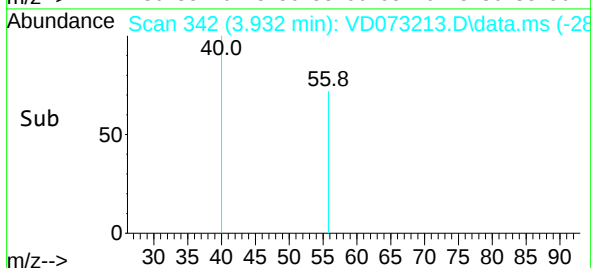
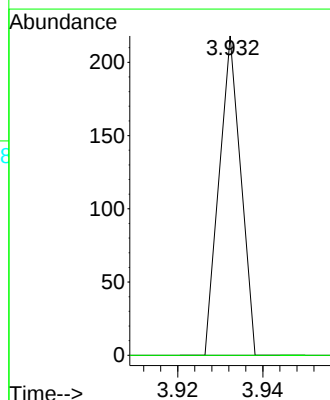
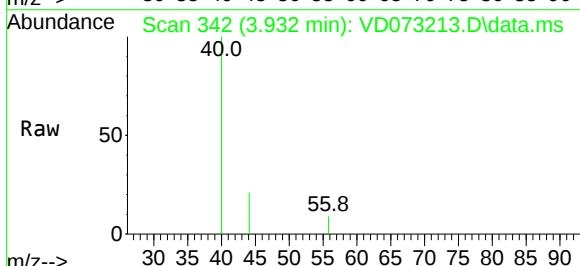
Acq: 21 May 2022 06:50

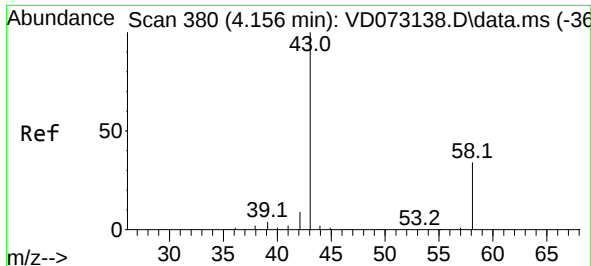
Tgt Ion: 56 Resp: 77

Ion Ratio Lower Upper

56 100

55 0.0 57.1 85.7#

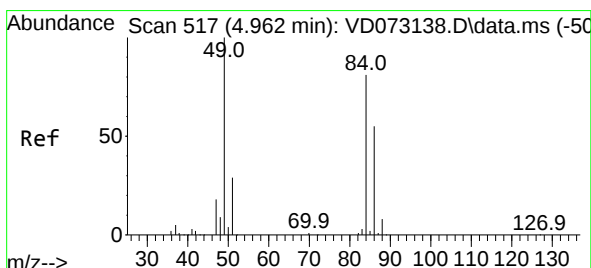
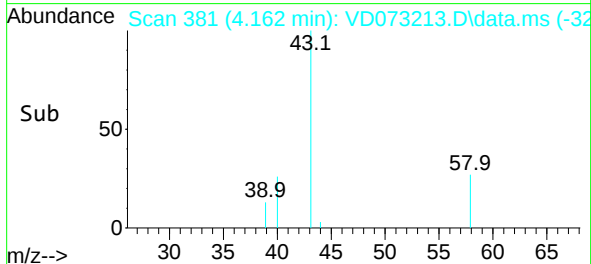
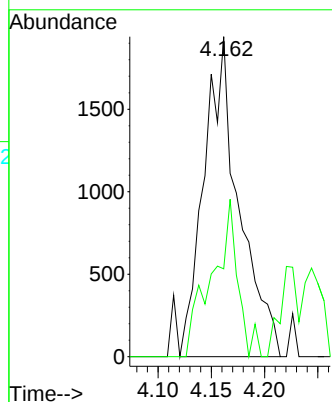
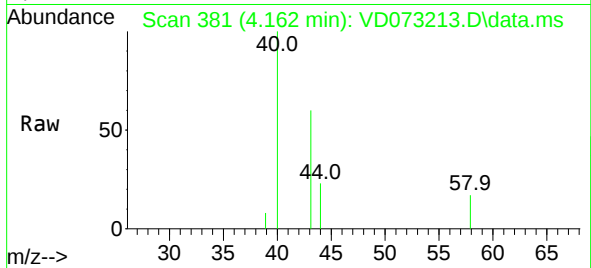




#16
Acetone
Concen: 7.030 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD073213.D
Acq: 21 May 2022 06:50

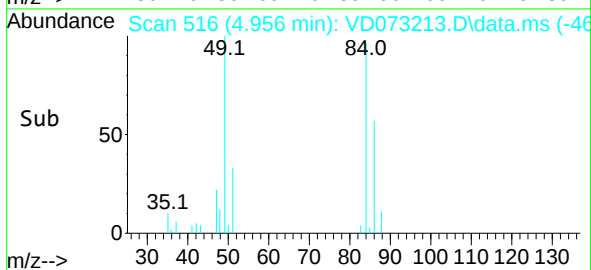
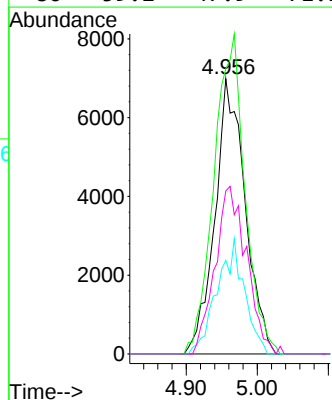
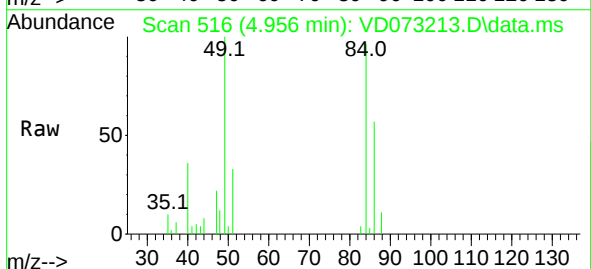
Instrument :
MSVOA_D
ClientSampleId :
P004-SS006-0006-01

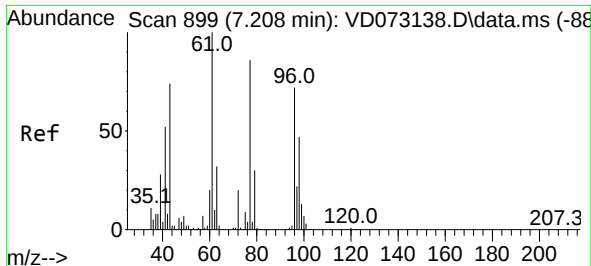
Tgt Ion: 43 Resp: 4443
Ion Ratio Lower Upper
43 100
58 27.5 22.1 33.1



#20
Methylene Chloride
Concen: 1.256 ug/l
RT: 4.956 min Scan# 516
Delta R.T. -0.006 min
Lab File: VD073213.D
Acq: 21 May 2022 06:50

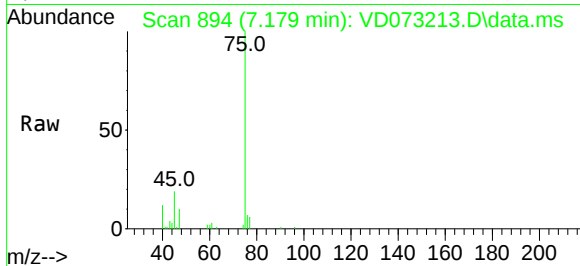
Tgt Ion: 84 Resp: 20642
Ion Ratio Lower Upper
84 100
49 103.6 112.8 169.2#
51 34.0 32.6 48.8
86 59.2 47.9 71.9



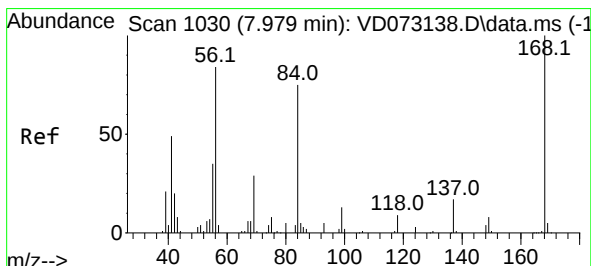
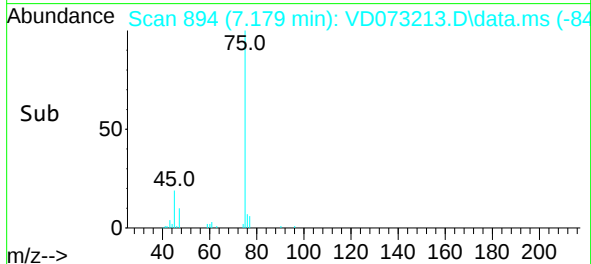
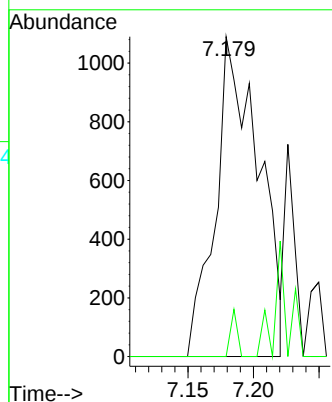


#25
2-Butanone
Concen: 2.697 ug/l
RT: 7.179 min Scan# 894
Delta R.T. -0.029 min
Lab File: VD073213.D
Acq: 21 May 2022 06:50

Instrument :
MSVOA_D
ClientSampleId :
P004-SS006-0006-01

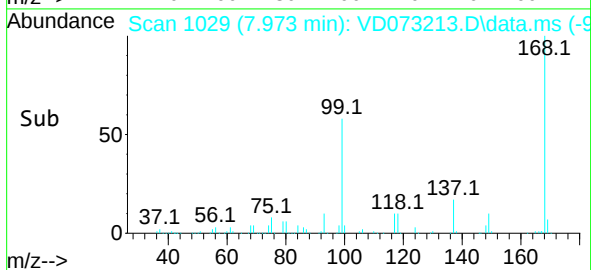
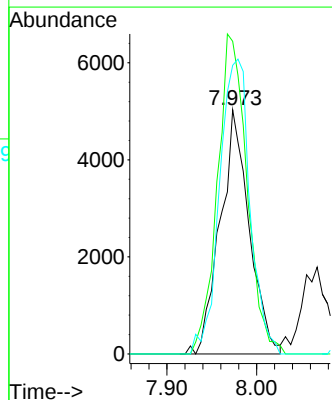
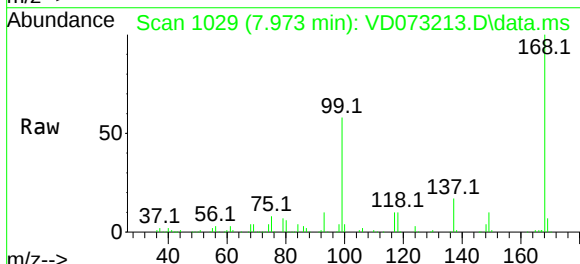


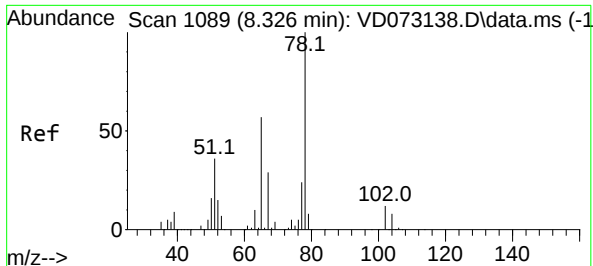
Tgt Ion: 43 Resp: 2494
Ion Ratio Lower Upper
43 100
72 0.0 18.6 27.8#



#31
Cyclohexane
Concen: 1.774 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.006 min
Lab File: VD073213.D
Acq: 21 May 2022 06:50

Tgt Ion: 56 Resp: 11310
Ion Ratio Lower Upper
56 100
69 128.1 25.4 38.2#
84 118.2 63.0 94.4#





#33

1,2-Dichloroethane-d4

Concen: 48.702 ug/l

RT: 8.320 min Scan# 1180

Delta R.T. -0.006 min

Lab File: VD073213.D

Acq: 21 May 2022 06:50

Instrument :

MSVOA_D

ClientSampleId :

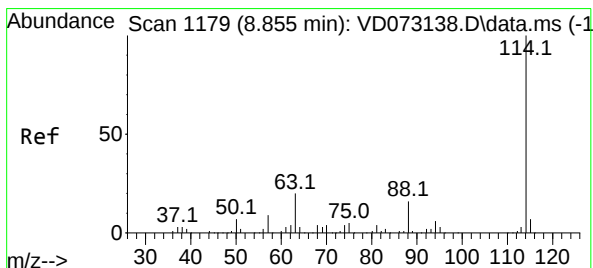
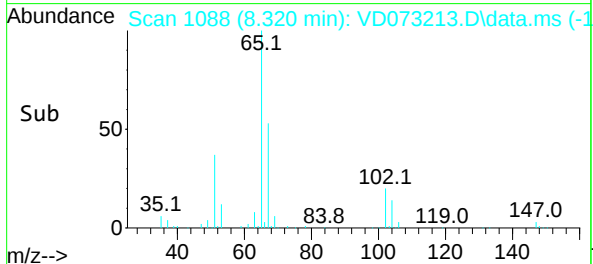
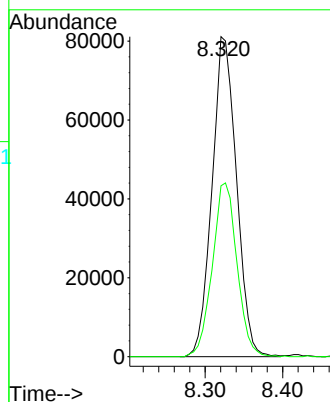
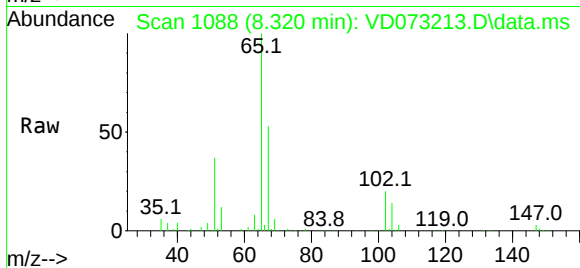
P004-SS006-0006-01

Tgt Ion: 65 Resp: 177712

Ion Ratio Lower Upper

65 100

67 54.8 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: VD073213.D

Acq: 21 May 2022 06:50

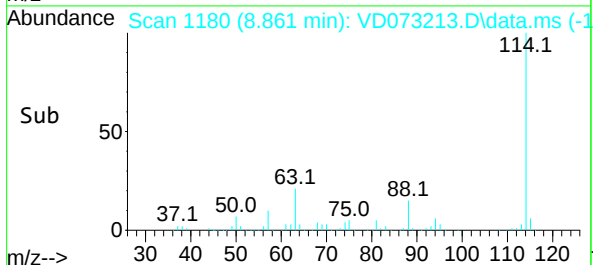
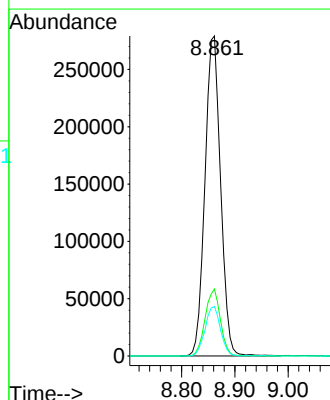
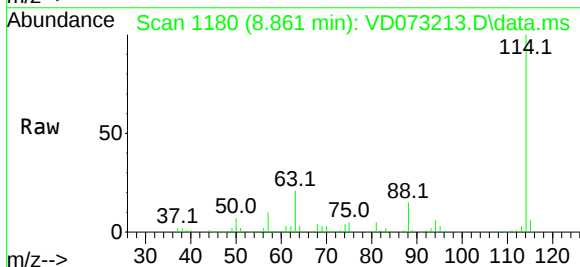
Tgt Ion: 114 Resp: 568677

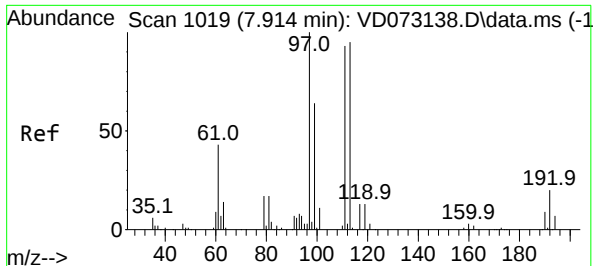
Ion Ratio Lower Upper

114 100

63 20.9 0.0 46.6

88 15.4 0.0 33.2





#35

Dibromofluoromethane

Concen: 50.705 ug/l

RT: 7.909 min Scan# 1019

Delta R.T. -0.005 min

Lab File: VD073213.D

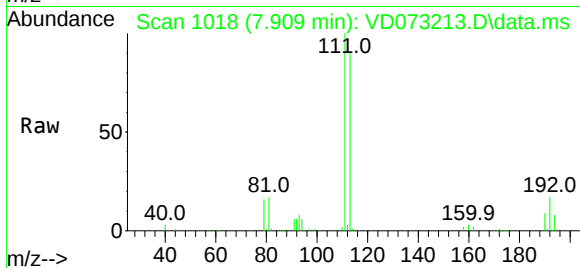
Acq: 21 May 2022 06:50

Instrument :

MSVOA_D

ClientSampleId :

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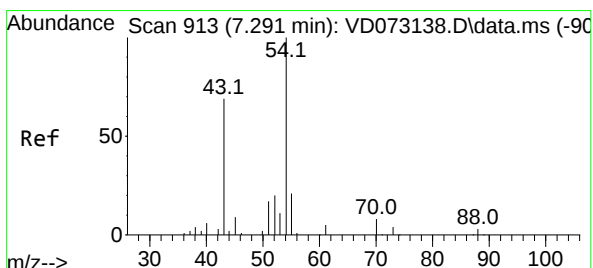
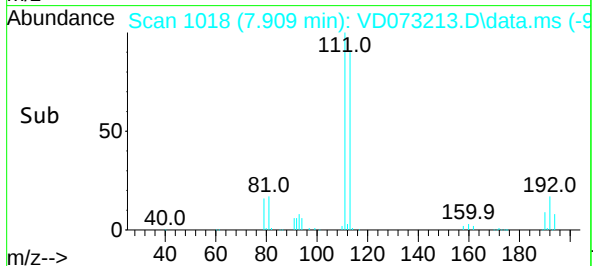
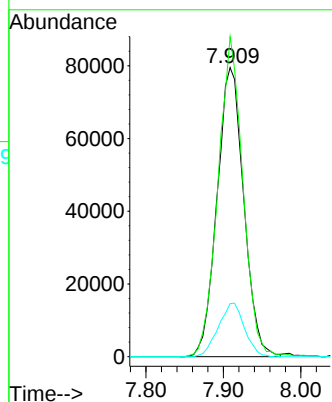
Tgt Ion:113 Resp: 190270

Ion Ratio Lower Upper

113 100

111 103.5 83.8 125.6

192 18.1 14.6 21.8



#37

Ethyl Acetate

Concen: 1.119 ug/l

RT: 7.179 min Scan# 894

Delta R.T. -0.112 min

Lab File: VD073213.D

Acq: 21 May 2022 06:50

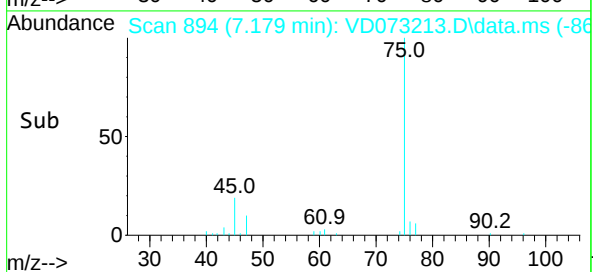
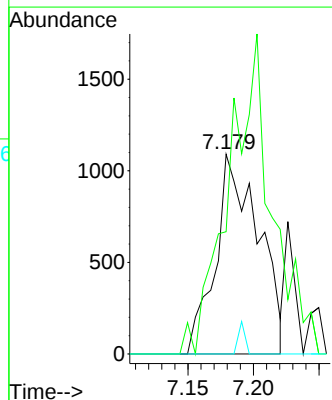
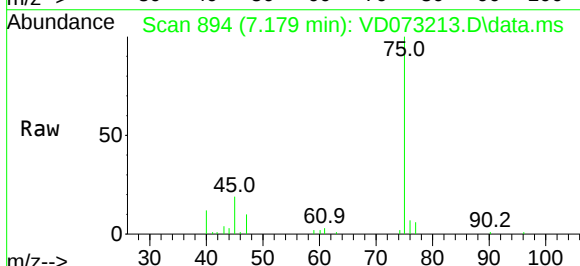
Tgt Ion: 43 Resp: 2494

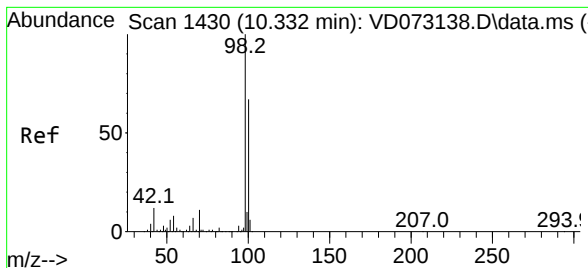
Ion Ratio Lower Upper

43 100

61 0.0 9.8 14.8#

70 0.0 6.9 10.3#

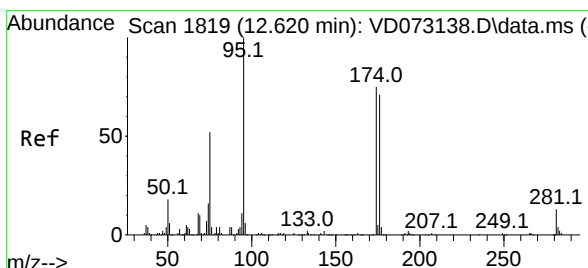
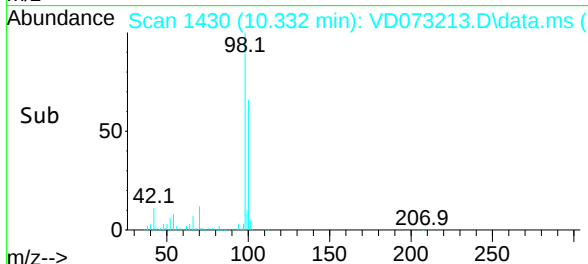
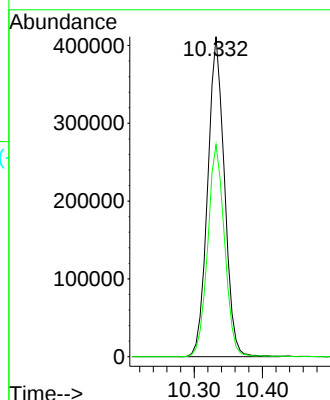
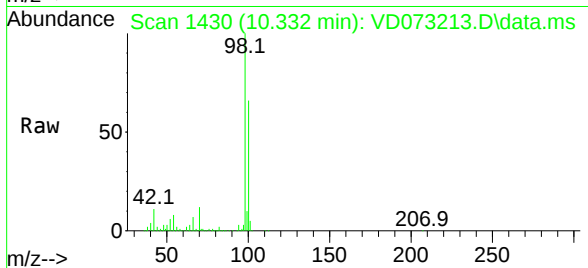




#50
Toluene-d8
Concen: 50.880 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD073213.D
Acq: 21 May 2022 06:50

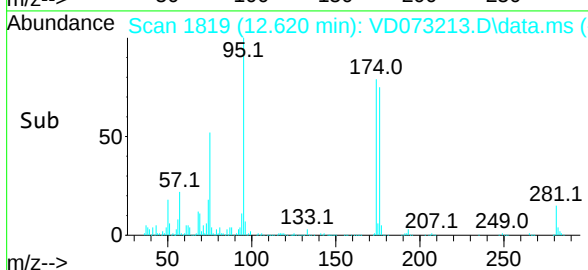
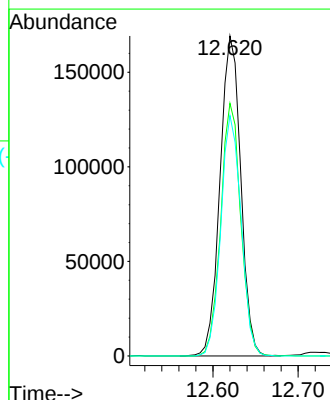
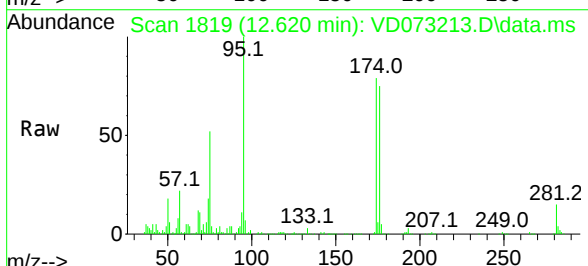
Instrument :
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P004-SS006-0006-01

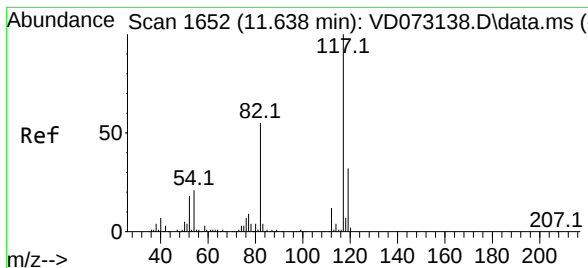
Tgt Ion: 98 Resp: 703807
Ion Ratio Lower Upper
98 100
100 66.6 52.4 78.6



#62
4-Bromofluorobenzene
Concen: 58.979 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD073213.D
Acq: 21 May 2022 06:50

Tgt Ion: 95 Resp: 286311
Ion Ratio Lower Upper
95 100
174 76.6 0.0 152.8
176 73.5 0.0 145.4

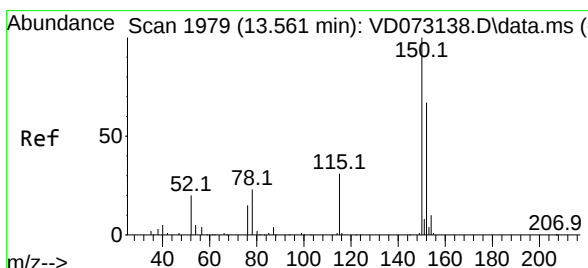
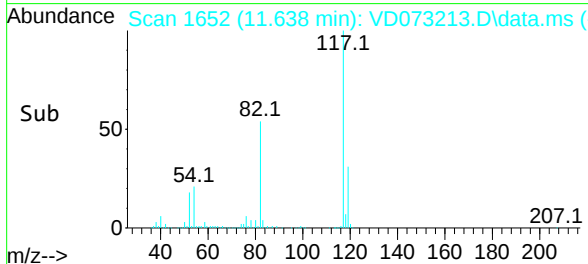
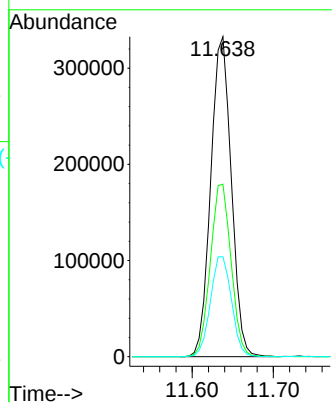
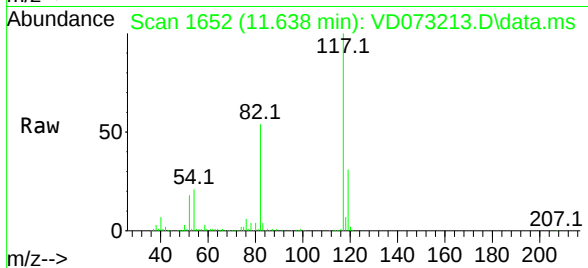




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 117
Delta R.T. -0.000 min
Lab File: VD073213.D
Acq: 21 May 2022 06:50

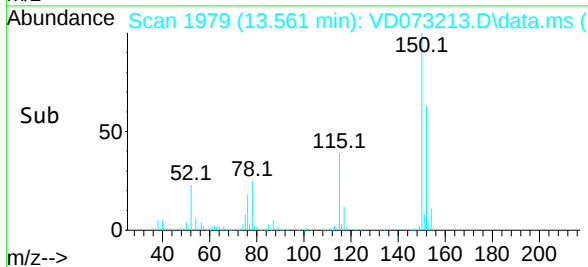
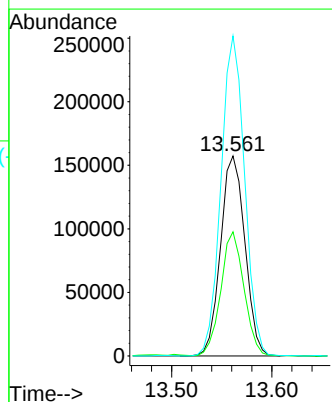
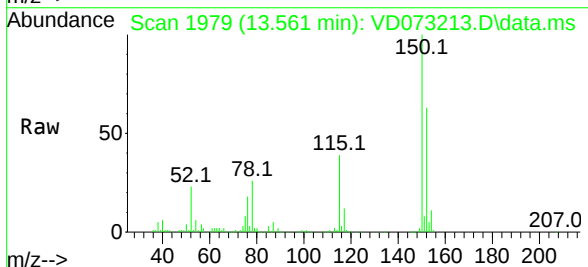
Instrument :
MSVOA_D
ClientSampleId :
P004-SS006-0006-01

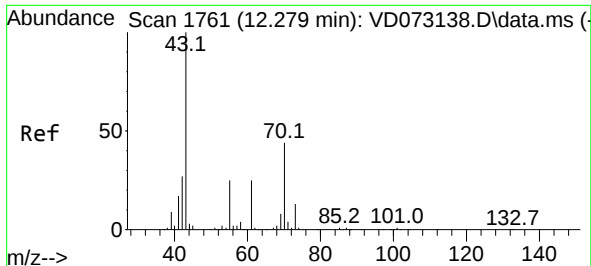
Tgt Ion:117 Resp: 584955
Ion Ratio Lower Upper
117 100
82 53.9 45.3 67.9
119 31.3 26.6 40.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VD073213.D
Acq: 21 May 2022 06:50

Tgt Ion:152 Resp: 264623
Ion Ratio Lower Upper
152 100
115 59.2 31.3 93.8
150 155.4 0.0 348.6

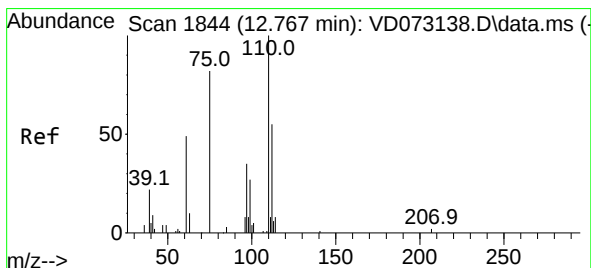
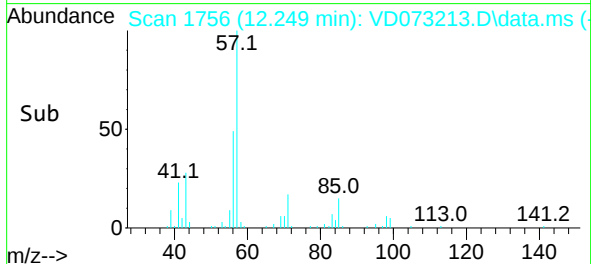
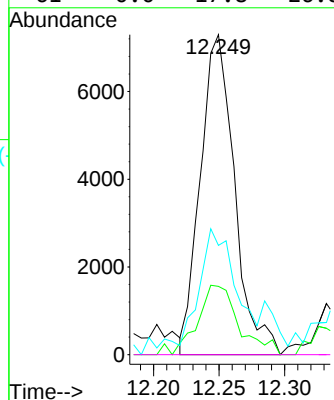
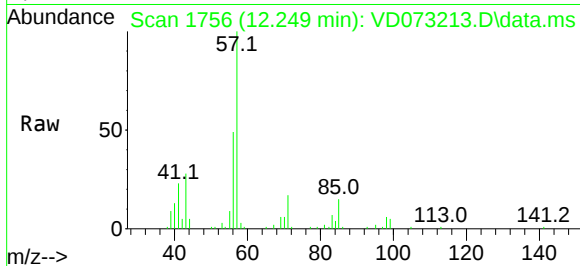




#74
N-amy1 acetate
Concen: 3.218 ug/l
RT: 12.249 min Scan# 11
Delta R.T. -0.030 min
Lab File: VD073213.D
Acq: 21 May 2022 06:50

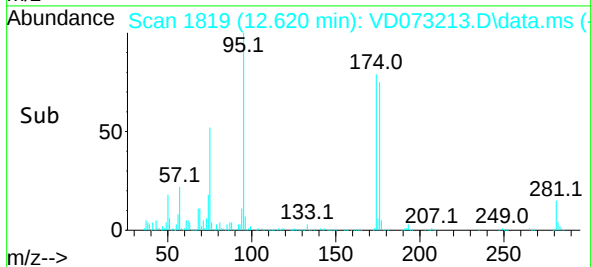
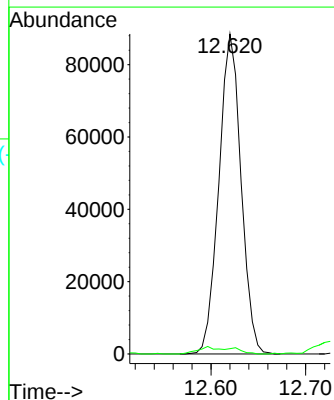
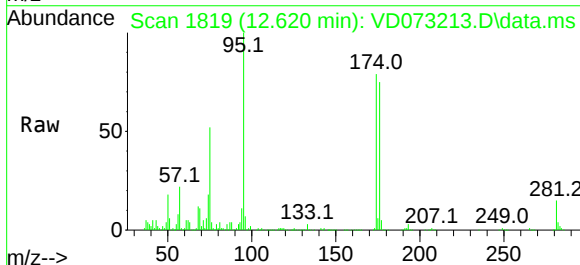
Instrument :
MSVOA_D
ClientSampleId :
P004-SS006-0006-01

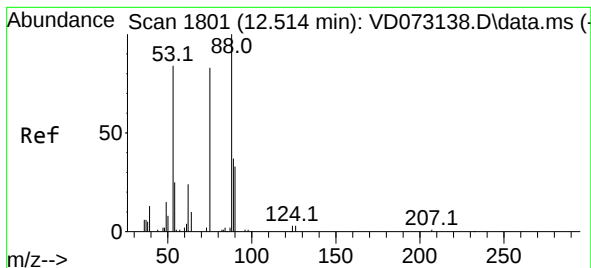
Tgt Ion: 43	Resp: 13245
Ion Ratio	Lower Upper
43 100	
70 26.4	31.3 46.9#
55 46.8	20.0 30.0#
61 0.0	17.8 26.8#



#76
1,2,3-Trichloropropane
Concen: 55.490 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.147 min
Lab File: VD073213.D
Acq: 21 May 2022 06:50

Tgt Ion: 75	Resp: 144075
Ion Ratio	Lower Upper
75 100	
77 0.0	0.0 0.0

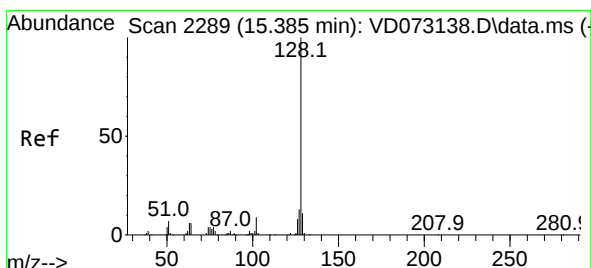
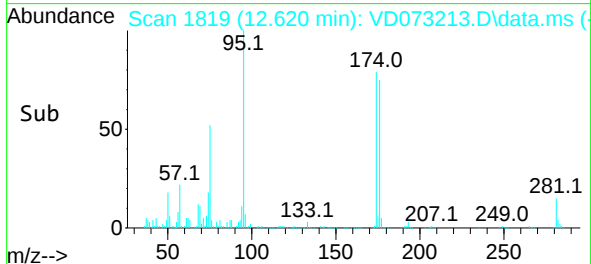
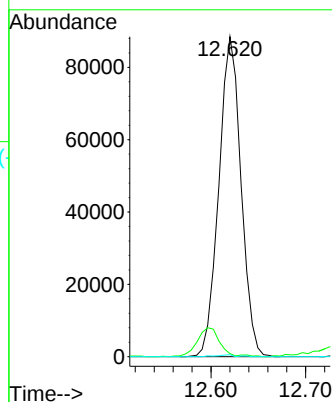
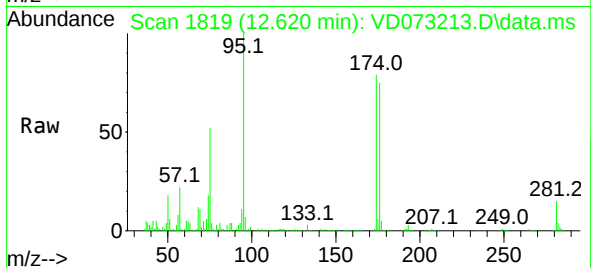




#81
trans-1,4-Dichloro-2-butene
Concen: 133.215 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD073213.D
Acq: 21 May 2022 06:50

Instrument :
MSVOA_D
ClientSampleId :
P004-SS006-0006-01

Tgt Ion: 75 Resp: 144075
Ion Ratio Lower Upper
75 100
53 0.0 86.5 129.7#
89 0.5 33.9 50.9#



#95
Naphthalene
Concen: 3.753 ug/l
RT: 15.390 min Scan# 2290
Delta R.T. 0.005 min
Lab File: VD073213.D
Acq: 21 May 2022 06:50

Tgt Ion: 128 Resp: 1969
Ion Ratio Lower Upper
128 100
127 6.4 10.3 15.5#
129 0.0 8.4 12.6#

