

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD020222\
 Data File : VD071882.D
 Acq On : 02 Feb 2022 16:34
 Operator : VA/SY
 Sample : N1373-01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 OR-3-020222

Quant Time: Feb 03 01:08:10 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D012622S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 27 06:04:38 2022
 Response via : Initial Calibration

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

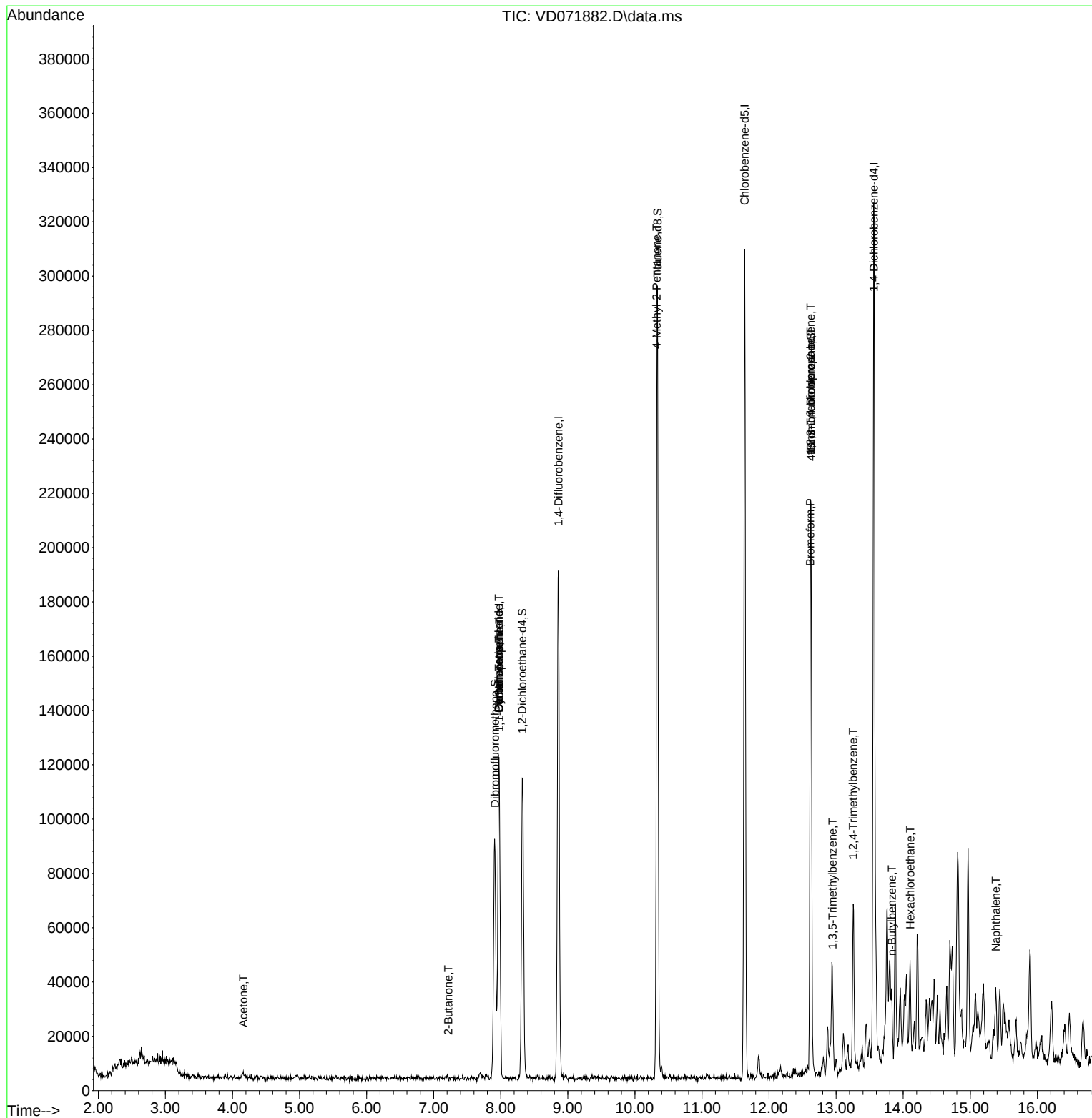
Internal Standards						
1) Pentafluorobenzene	7.973	168	82859	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	149154	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	157069	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	74843	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	89347	85.312	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 170.620%#			
35) Dibromofluoromethane	7.914	113	63298	64.561	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 129.120%			
50) Toluene-d8	10.338	98	190983	52.159	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 104.320%			
62) 4-Bromofluorobenzene	12.626	95	70687	55.282	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 110.560%			
Target Compounds						Qvalue
11) Tert butyl alcohol	5.132	59	81	Below Cal	#	74
16) Acetone	4.162	43	3886	13.555	ug/l	89
20) Methylene Chloride	4.967	84	354	Below Cal	#	8
25) 2-Butanone	7.220	43	351	1.050	ug/l	# 52
31) Cyclohexane	7.973	56	2252	1.126	ug/l	# 1
36) 1,1-Dichloropropene	7.979	75	7787	4.628	ug/l	# 53
38) Carbon Tetrachloride	7.973	117	9097	5.466	ug/l	# 16
51) 4-Methyl-2-Pentanone	10.326	43	1228	1.669	ug/l	# 1
71) Bromoform	12.614	173	964	1.494	ug/l	# 1
76) 1,2,3-Trichloropropane	12.620	75	40715	51.620	ug/l	# 100
80) 1,3,5-Trimethylbenzene	12.949	105	6710	1.396	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.620	75	40715	126.920	ug/l	# 7
84) 1,2,4-Trimethylbenzene	13.255	105	32311	6.833	ug/l	100
89) n-Butylbenzene	13.832	91	14185	2.854	ug/l	# 76
90) Hexachloroethane	14.108	117	2433	2.416	ug/l	# 17
95) Naphthalene	15.384	128	16316	7.547	ug/l	# 96

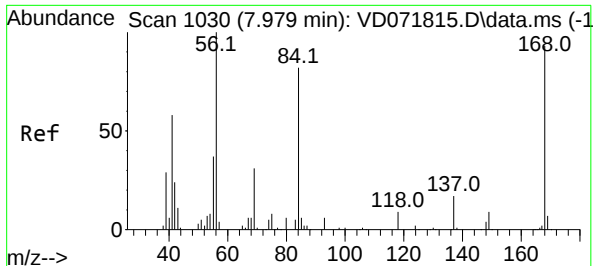
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Feb 03 01:08:10 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D012622S.M
Quant Title : SW846 8260
QLast Update : Thu Jan 27 06:04:38 2022
Response via : Initial Calibration

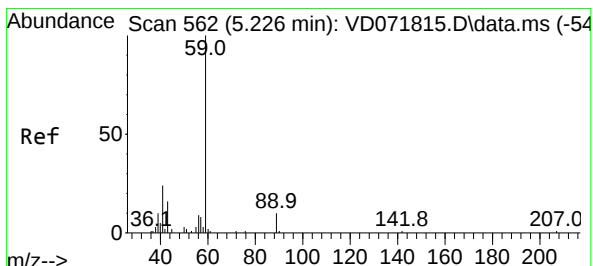
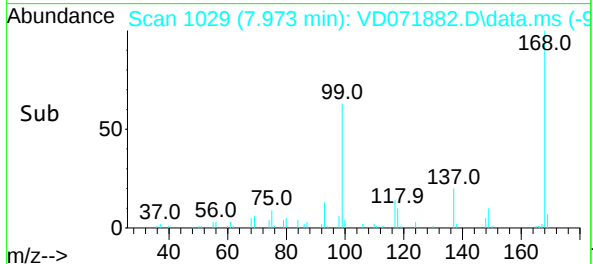
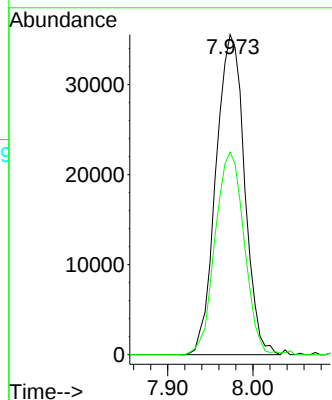
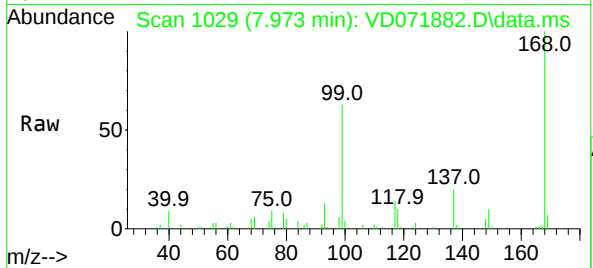




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD071882.D
Acq: 02 Feb 2022 16:34

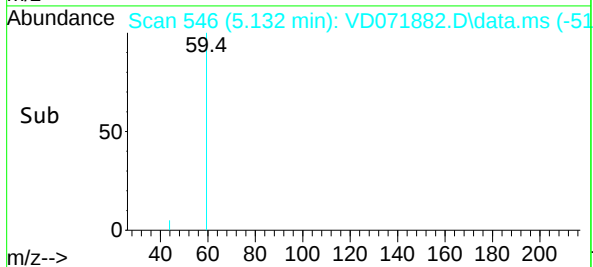
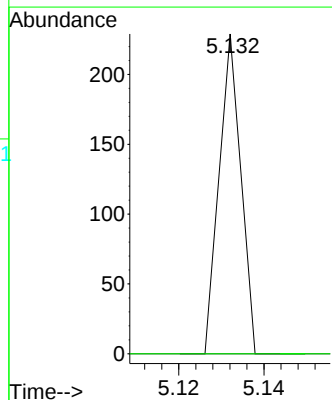
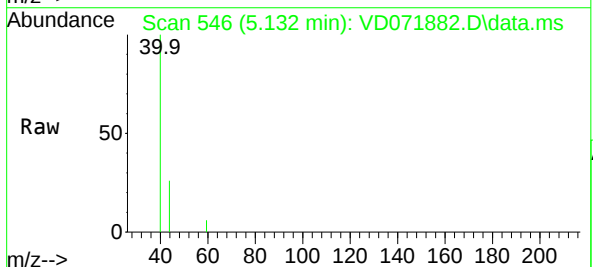
Instrument :
MSVOA_D
ClientSampleId :
OR-3-020222

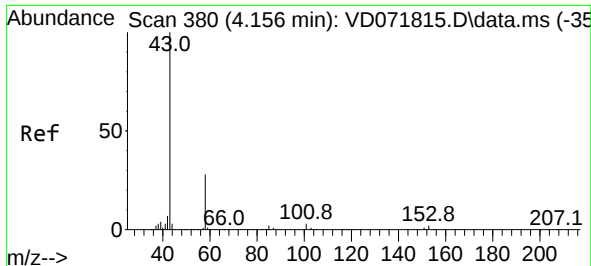
Tgt Ion:168 Resp: 82859
Ion Ratio Lower Upper
168 100
99 63.3 49.8 74.6



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.132 min Scan# 546
Delta R.T. -0.088 min
Lab File: VD071882.D
Acq: 02 Feb 2022 16:34

Tgt Ion: 59 Resp: 81
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#

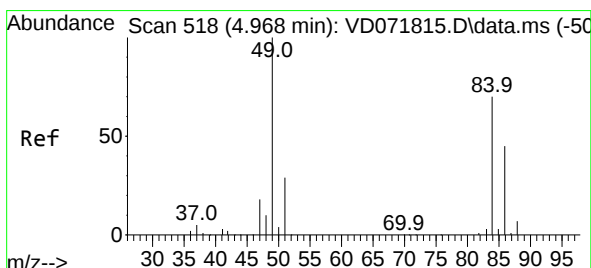
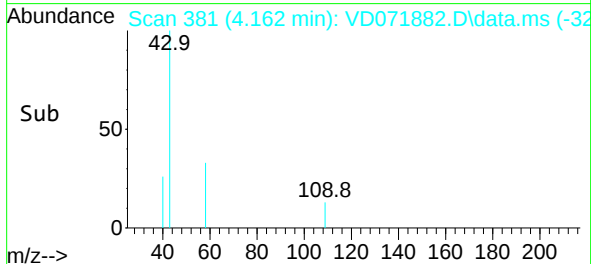
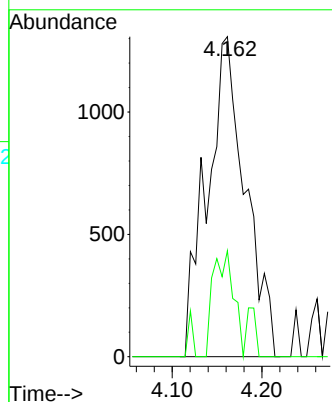
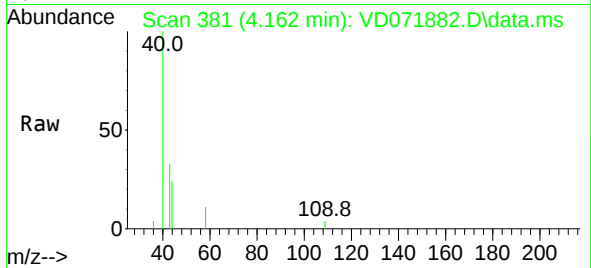




#16
Acetone
Concen: 13.555 ug/l
RT: 4.162 min Scan# 380
Delta R.T. 0.006 min
Lab File: VD071882.D
Acq: 02 Feb 2022 16:34

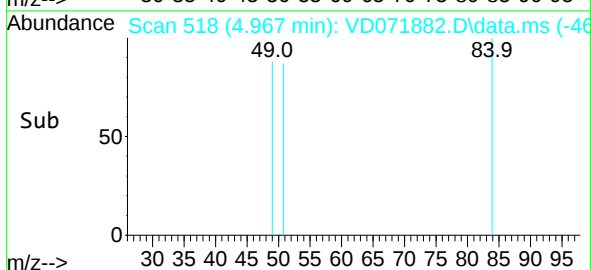
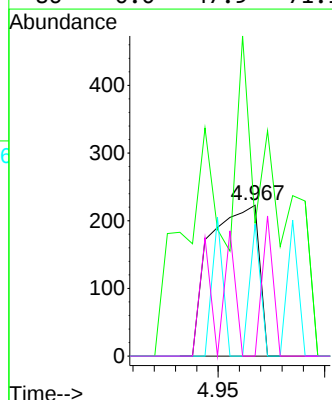
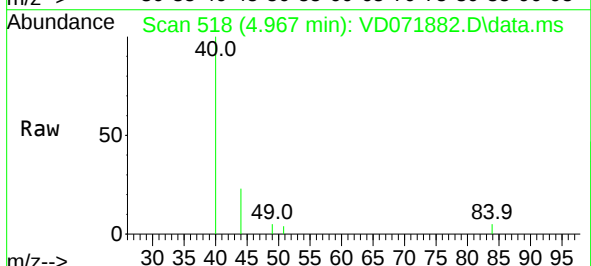
Instrument :
MSVOA_D
ClientSampleId :
OR-3-020222

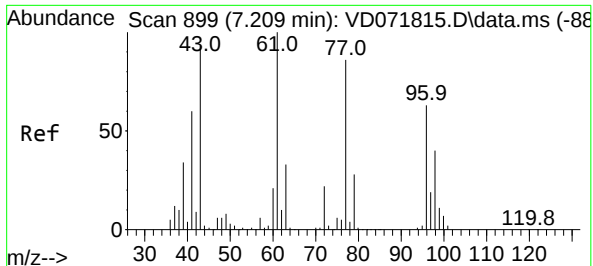
Tgt Ion: 43 Resp: 3886
Ion Ratio Lower Upper
43 100
58 33.1 22.1 33.1



#20
Methylene Chloride
Concen: Below Cal
RT: 4.967 min Scan# 518
Delta R.T. -0.000 min
Lab File: VD071882.D
Acq: 02 Feb 2022 16:34

Tgt Ion: 84 Resp: 354
Ion Ratio Lower Upper
84 100
49 15.2 112.8 169.2#
51 87.4 32.6 48.8#
86 0.0 47.9 71.9#

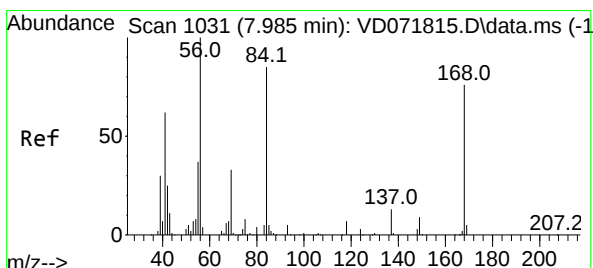
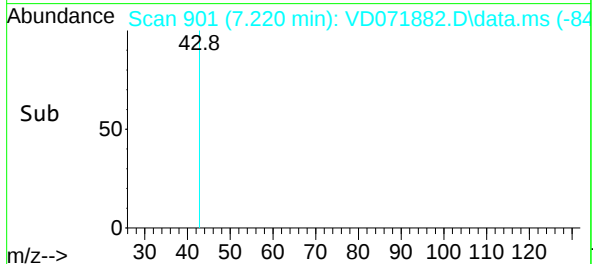
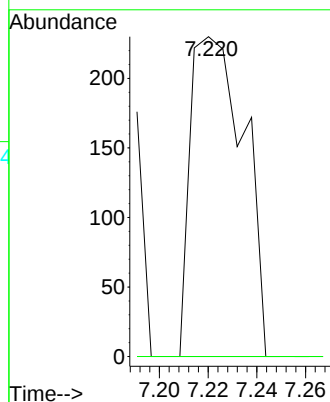
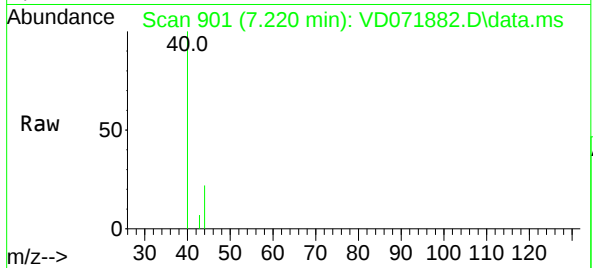




#25
2-Butanone
Concen: 1.050 ug/l
RT: 7.220 min Scan# 901
Delta R.T. 0.006 min
Lab File: VD071882.D
Acq: 02 Feb 2022 16:34

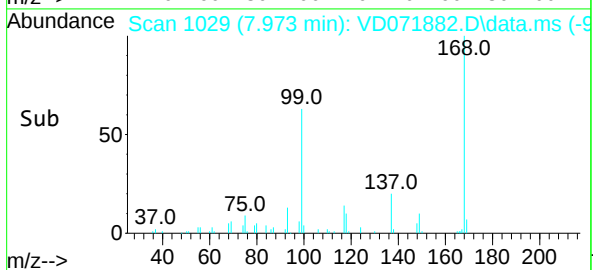
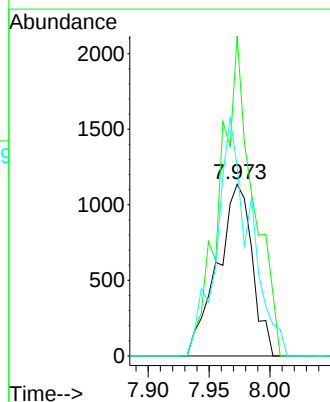
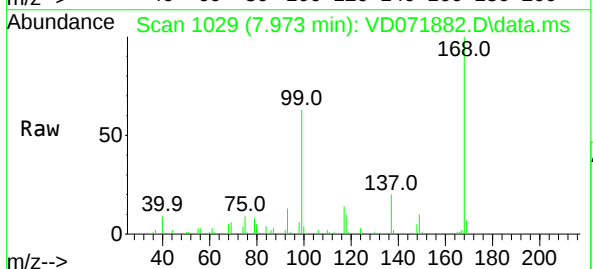
Instrument :
MSVOA_D
ClientSampleId :
OR-3-020222

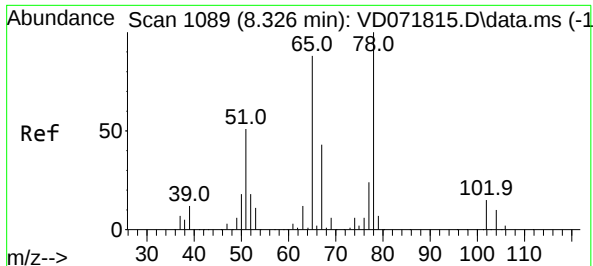
Tgt Ion: 43 Resp: 351
Ion Ratio Lower Upper
43 100
72 0.0 18.6 27.8#



#31
Cyclohexane
Concen: 1.126 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD071882.D
Acq: 02 Feb 2022 16:34

Tgt Ion: 56 Resp: 2252
Ion Ratio Lower Upper
56 100
69 186.4 25.4 38.2#
84 110.3 63.0 94.4#





#33

1,2-Dichloroethane-d4

Concen: 85.312 ug/l

RT: 8.320 min Scan# 110

Delta R.T. -0.006 min

Lab File: VD071882.D

Acq: 02 Feb 2022 16:34

Instrument :

MSVOA_D

ClientSampleId :

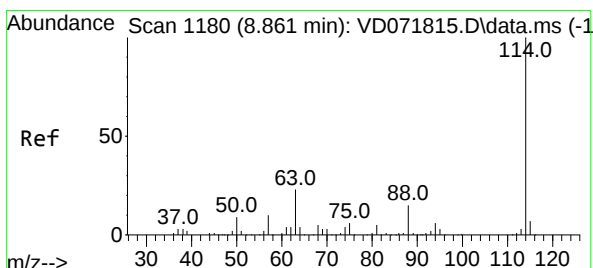
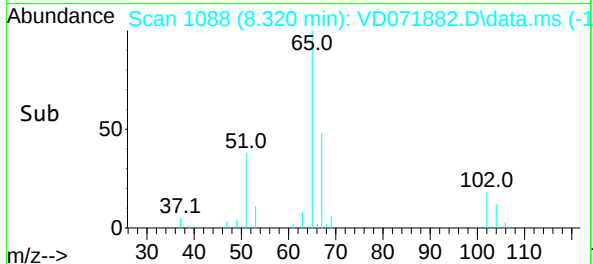
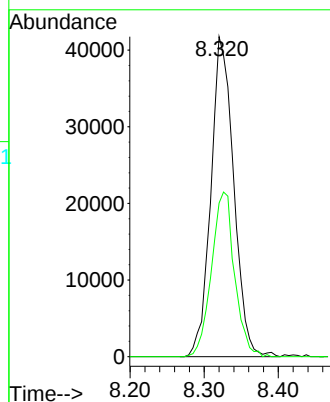
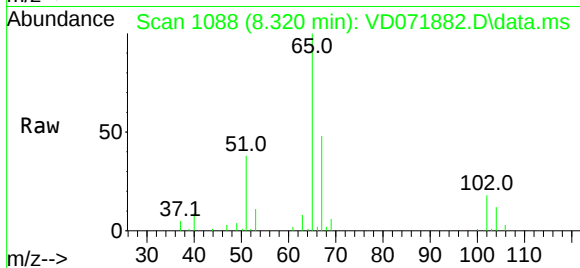
OR-3-020222

Tgt Ion: 65 Resp: 89347

Ion Ratio Lower Upper

65 100

67 51.9 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: VD071882.D

Acq: 02 Feb 2022 16:34

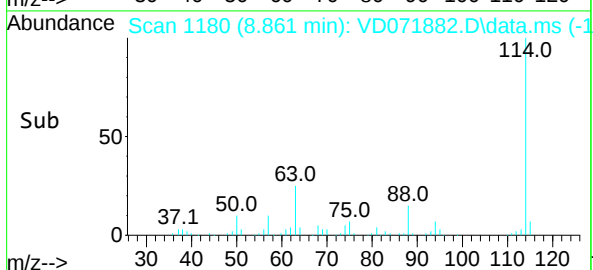
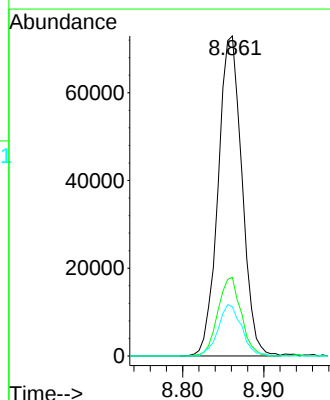
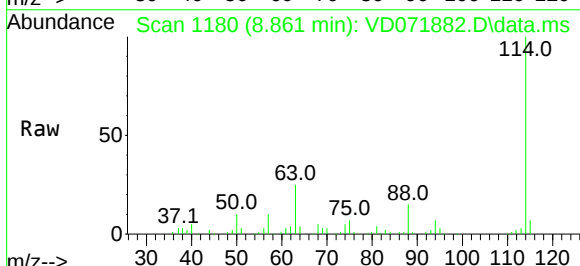
Tgt Ion: 114 Resp: 149154

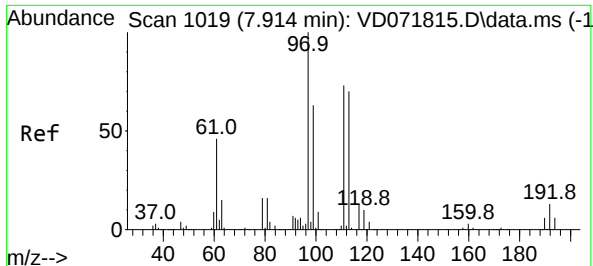
Ion Ratio Lower Upper

114 100

63 24.6 0.0 46.6

88 15.3 0.0 33.2





#35

Dibromofluoromethane

Concen: 64.561 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.000 min

Lab File: VD071882.D

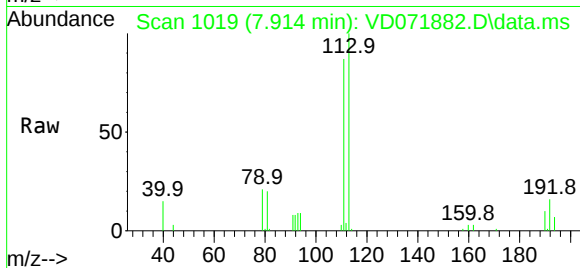
Acq: 02 Feb 2022 16:34

Instrument :

MSVOA_D

ClientSampleId :

OR-3-020222



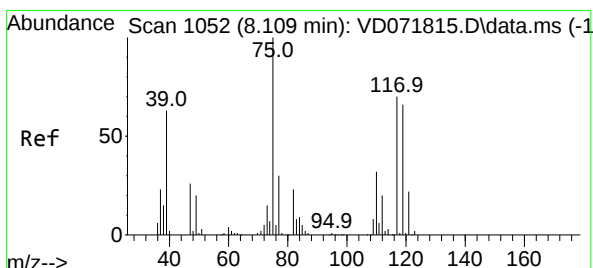
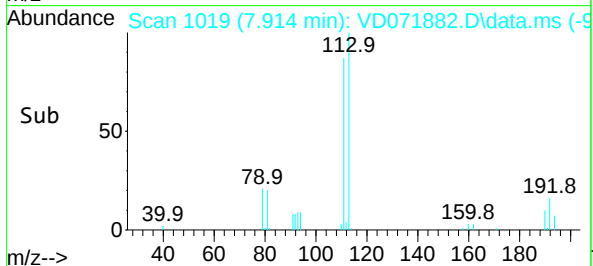
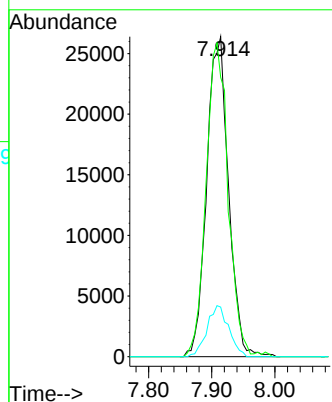
Tgt Ion:113 Resp: 63298

Ion Ratio Lower Upper

113 100

111 99.1 83.8 125.6

192 15.9 14.6 21.8



#36

1,1-Dichloropropene

Concen: 4.628 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.135 min

Lab File: VD071882.D

Acq: 02 Feb 2022 16:34

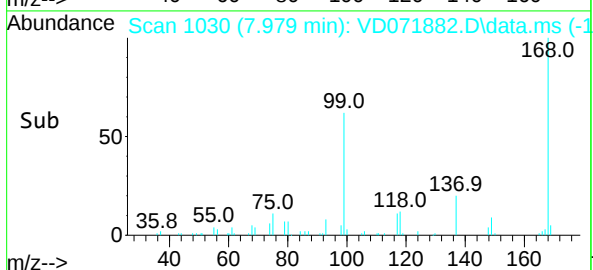
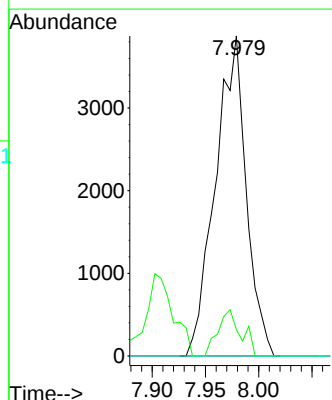
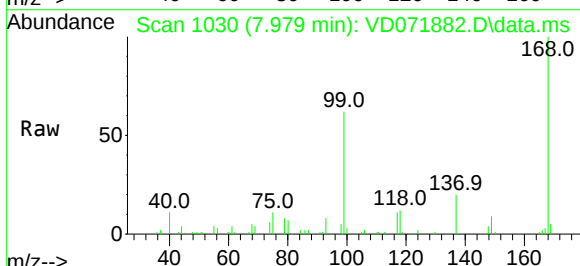
Tgt Ion: 75 Resp: 7787

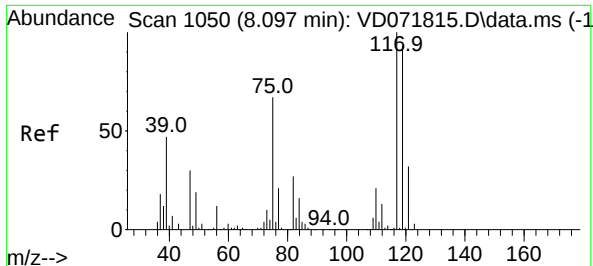
Ion Ratio Lower Upper

75 100

110 10.7 16.4 49.1#

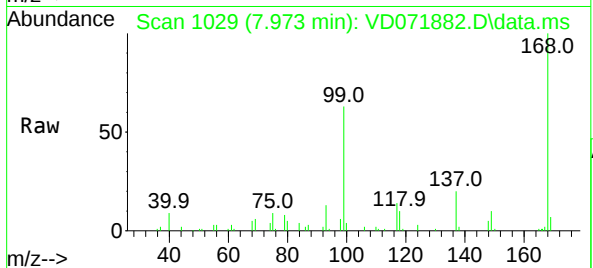
77 0.0 24.2 36.2#



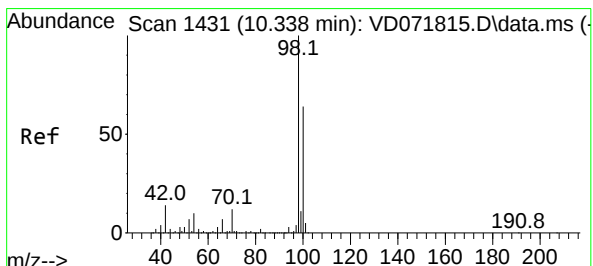
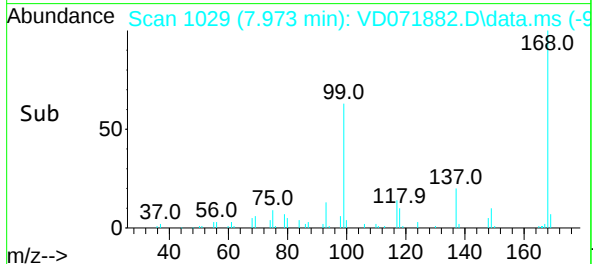
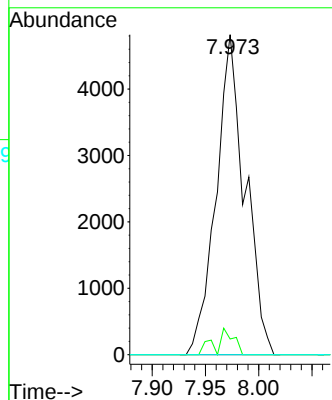


#38
Carbon Tetrachloride
Concen: 5.466 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.124 min
Lab File: VD071882.D
Acq: 02 Feb 2022 16:34

Instrument :
MSVOA_D
ClientSampleId :
OR-3-020222

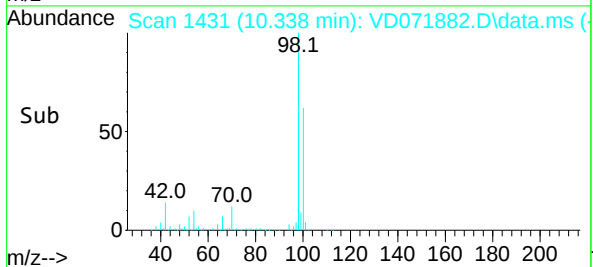
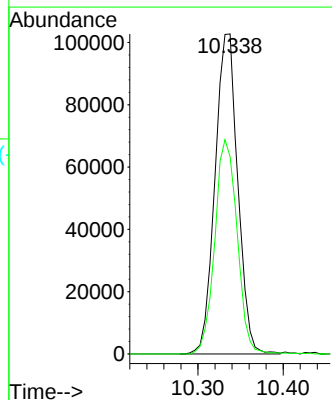
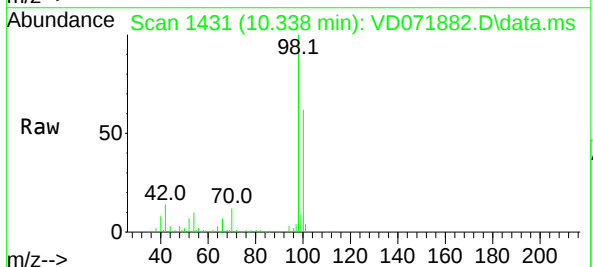


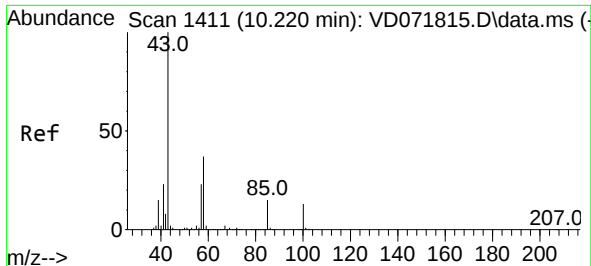
Tgt Ion:117 Resp: 9097
Ion Ratio Lower Upper
117 100
119 4.9 75.8 113.6#
121 0.0 24.5 36.7#



#50
Toluene-d8
Concen: 52.159 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD071882.D
Acq: 02 Feb 2022 16:34

Tgt Ion: 98 Resp: 190983
Ion Ratio Lower Upper
98 100
100 65.6 52.4 78.6

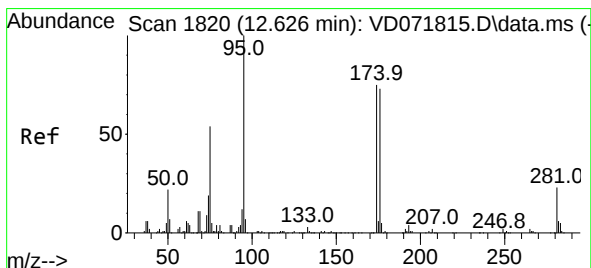
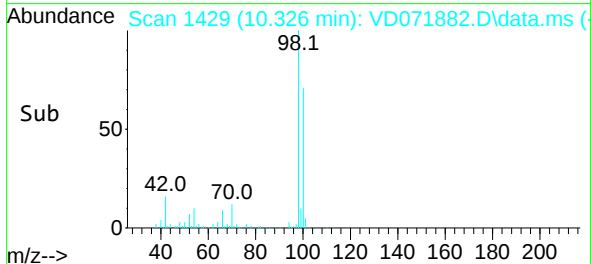
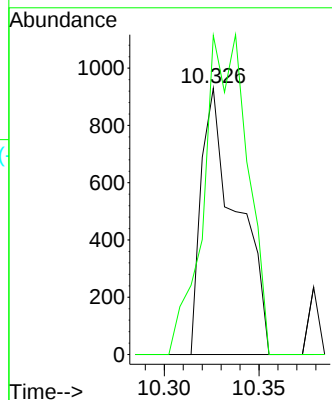
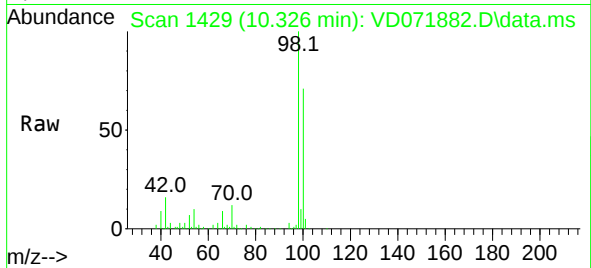




#51
4-Methyl-2-Pentanone
Concen: 1.669 ug/l
RT: 10.326 min Scan# 1411
Delta R.T. 0.100 min
Lab File: VD071882.D
Acq: 02 Feb 2022 16:34

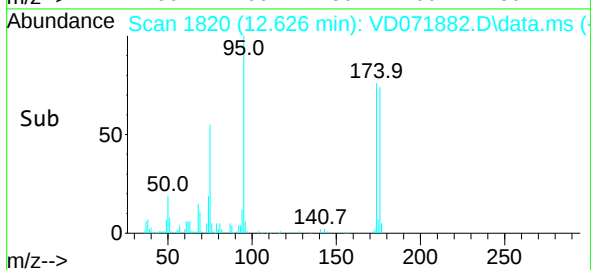
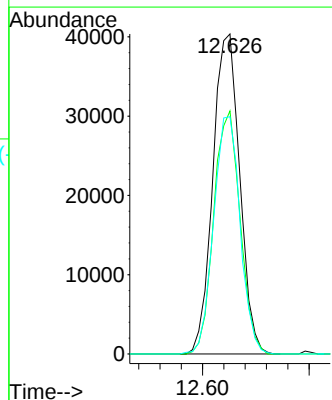
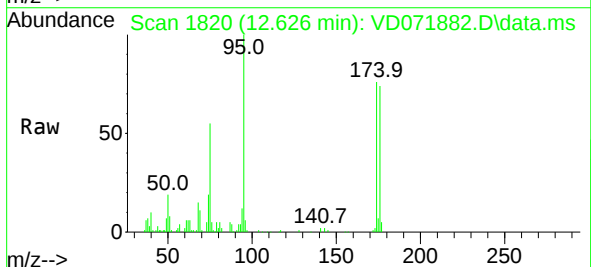
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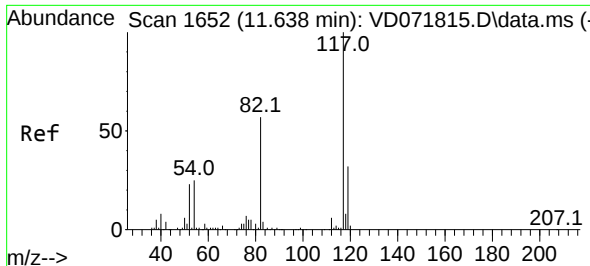
Tgt Ion: 43 Resp: 1228
Ion Ratio Lower Upper
43 100
58 145.9 28.6 43.0#



#62
4-Bromofluorobenzene
Concen: 55.282 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD071882.D
Acq: 02 Feb 2022 16:34

Tgt Ion: 95 Resp: 70687
Ion Ratio Lower Upper
95 100
174 74.2 0.0 152.8
176 73.2 0.0 145.4

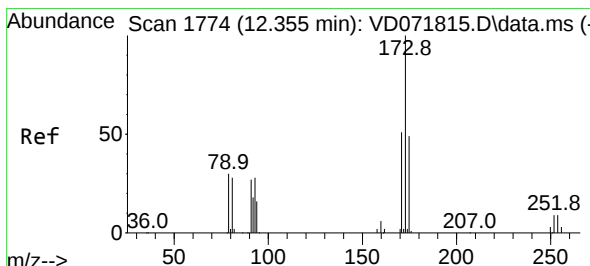
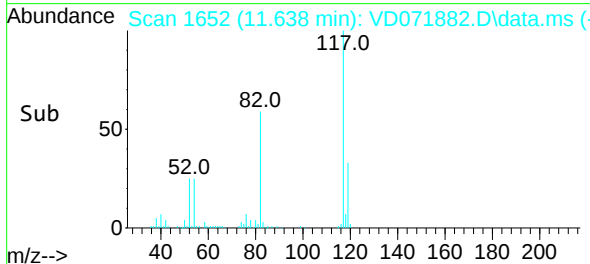
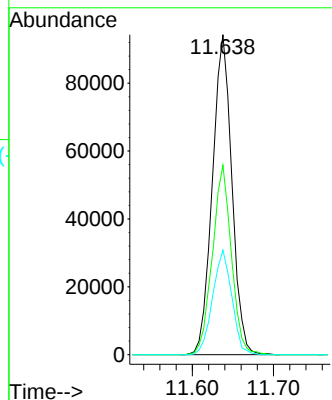
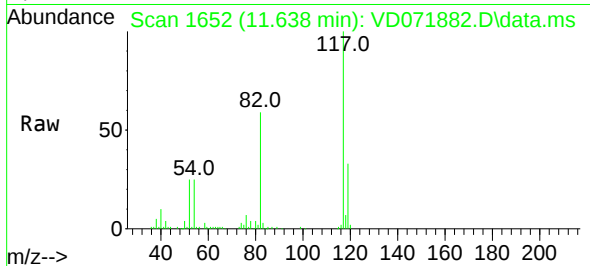




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD071882.D
Acq: 02 Feb 2022 16:34

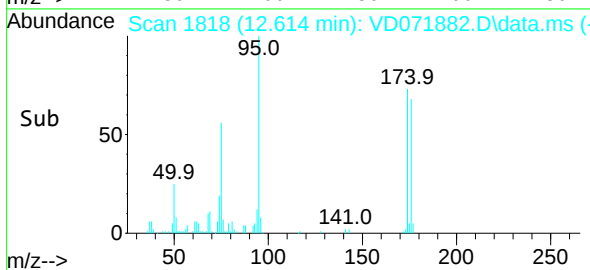
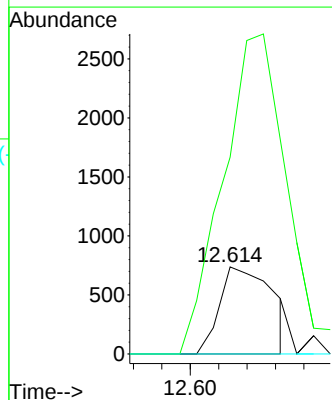
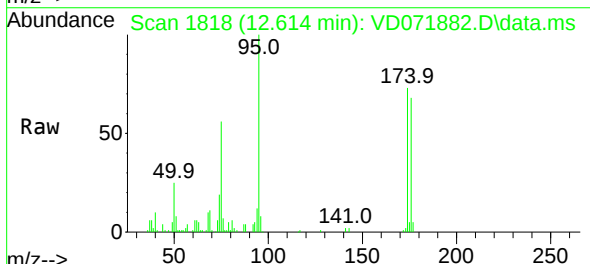
Instrument :
MSVOA_D
ClientSampleId :
OR-3-020222

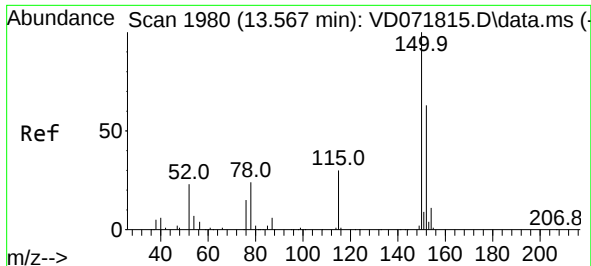
Tgt Ion:117 Resp: 157069
Ion Ratio Lower Upper
117 100
82 59.2 45.3 67.9
119 32.6 26.6 40.0



#71
Bromoform
Concen: 1.494 ug/l
RT: 12.614 min Scan# 1818
Delta R.T. 0.259 min
Lab File: VD071882.D
Acq: 02 Feb 2022 16:34

Tgt Ion:173 Resp: 964
Ion Ratio Lower Upper
173 100
175 384.1 23.9 71.8#
254 0.0 0.0 0.0

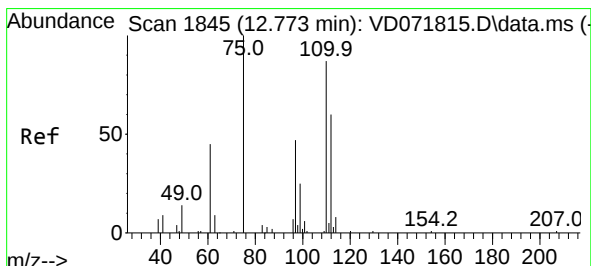
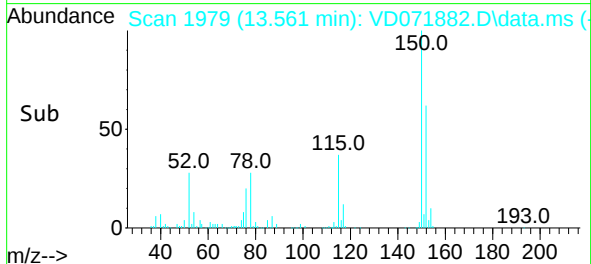
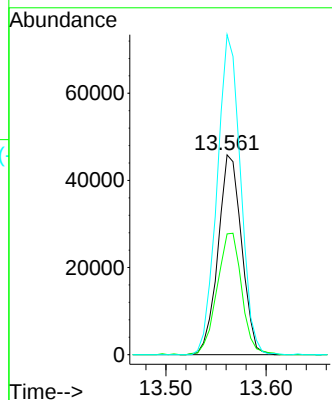
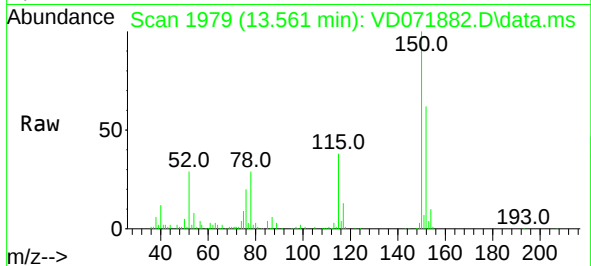




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1980
Delta R.T. -0.006 min
Lab File: VD071882.D
Acq: 02 Feb 2022 16:34

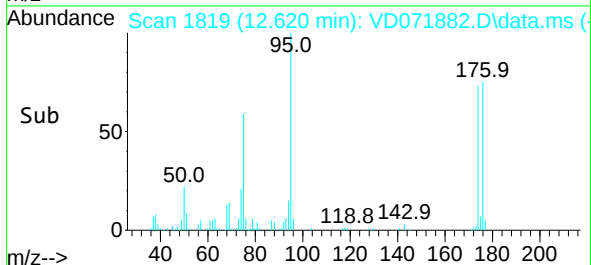
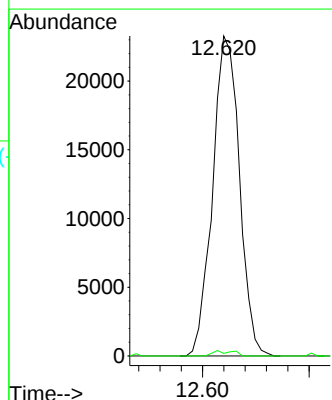
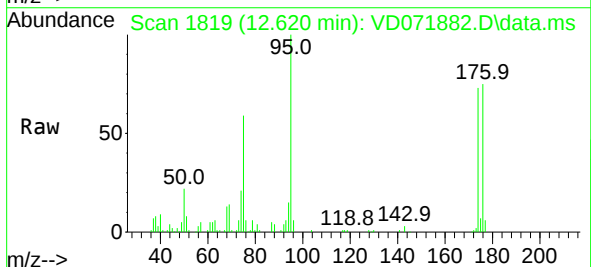
Instrument :
MSVOA_D
ClientSampleId :
OR-3-020222

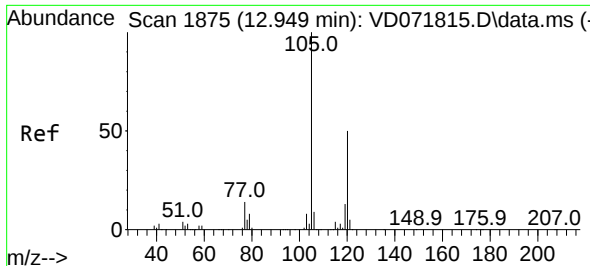
Tgt Ion:152 Resp: 74843
Ion Ratio Lower Upper
152 100
115 63.5 31.3 93.8
150 159.0 0.0 348.6



#76
1,2,3-Trichloropropane
Concen: 51.620 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD071882.D
Acq: 02 Feb 2022 16:34

Tgt Ion: 75 Resp: 40715
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#

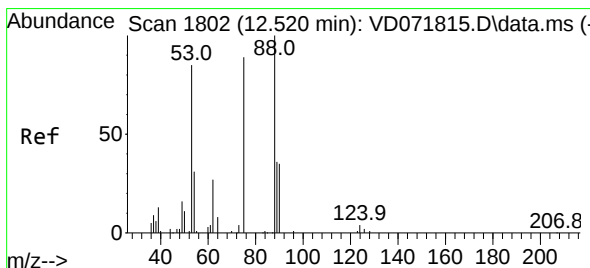
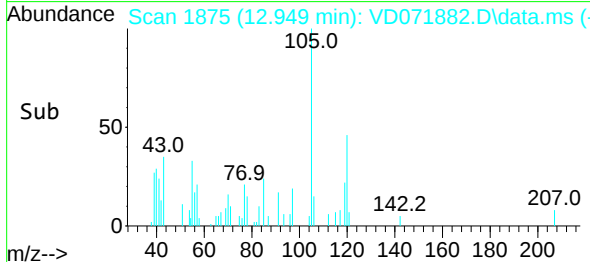
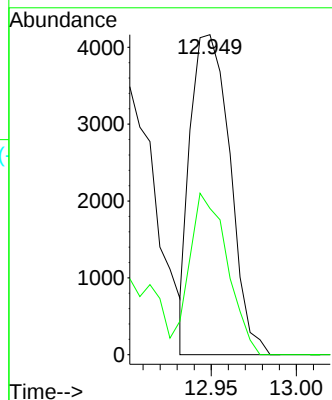
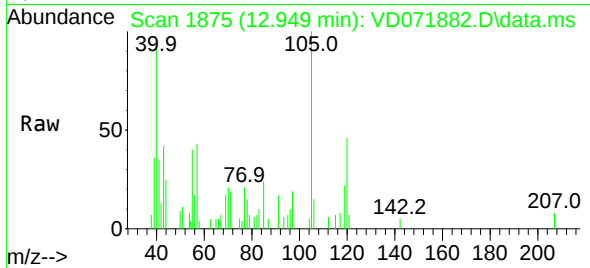




#80
 1,3,5-Trimethylbenzene
 Concen: 1.396 ug/l
 RT: 12.949 min Scan# 1875
 Delta R.T. -0.000 min
 Lab File: VD071882.D
 Acq: 02 Feb 2022 16:34

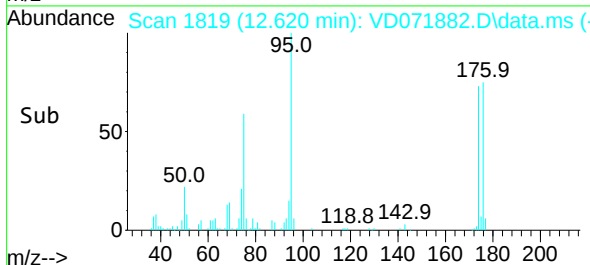
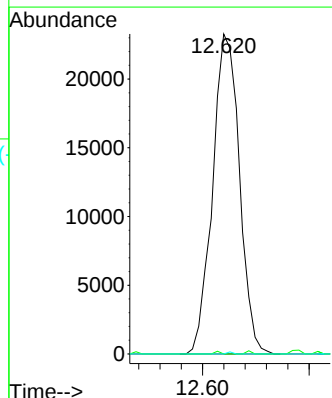
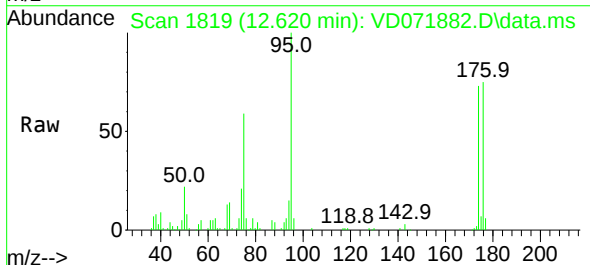
Instrument :
 MSVOA_D
 ClientSampleId :
 OR-3-020222

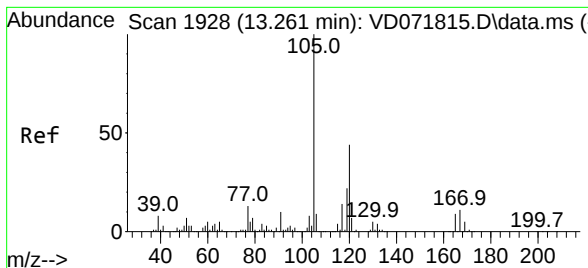
Tgt Ion:105 Resp: 6710
 Ion Ratio Lower Upper
 105 100
 120 48.4 24.3 72.8



#81
 trans-1,4-Dichloro-2-butene
 Concen: 126.920 ug/l
 RT: 12.620 min Scan# 1819
 Delta R.T. 0.100 min
 Lab File: VD071882.D
 Acq: 02 Feb 2022 16:34

Tgt Ion: 75 Resp: 40715
 Ion Ratio Lower Upper
 75 100
 53 0.2 86.5 129.7#
 89 0.1 33.9 50.9#





#84

1,2,4-Trimethylbenzene

Concen: 6.833 ug/l

RT: 13.255 min Scan# 1928

Delta R.T. -0.006 min

Lab File: VD071882.D

Acq: 02 Feb 2022 16:34

Instrument :

MSVOA_D

ClientSampleId :

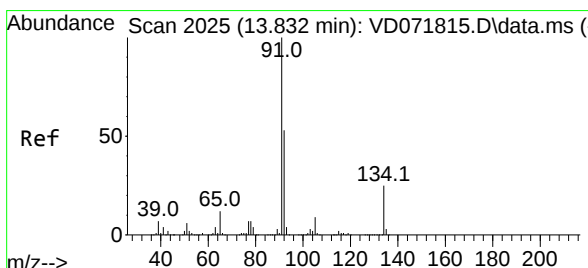
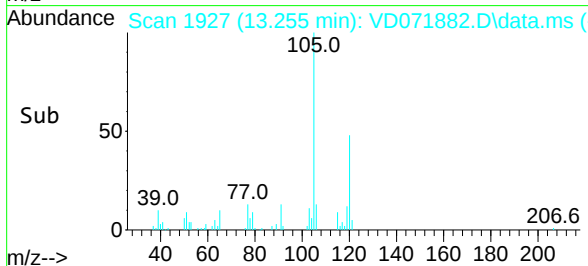
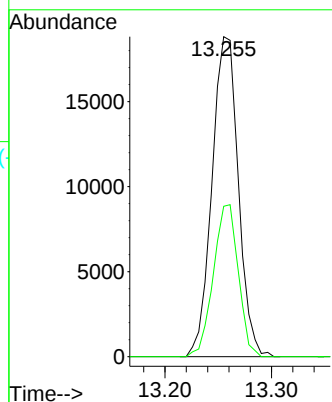
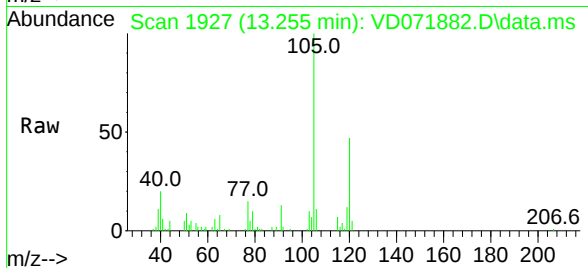
OR-3-020222

Tgt Ion:105 Resp: 32311

Ion Ratio Lower Upper

105 100

120 44.8 22.3 66.8



#89

n-Butylbenzene

Concen: 2.854 ug/l

RT: 13.832 min Scan# 2025

Delta R.T. -0.000 min

Lab File: VD071882.D

Acq: 02 Feb 2022 16:34

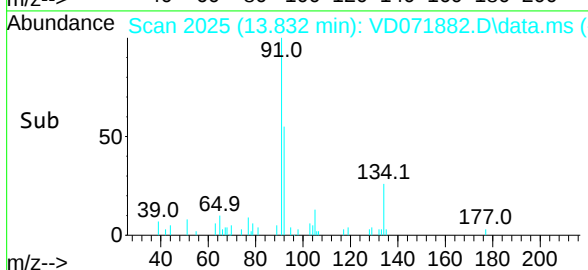
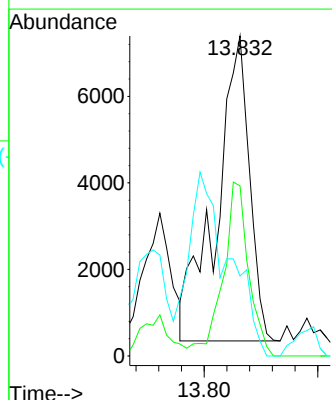
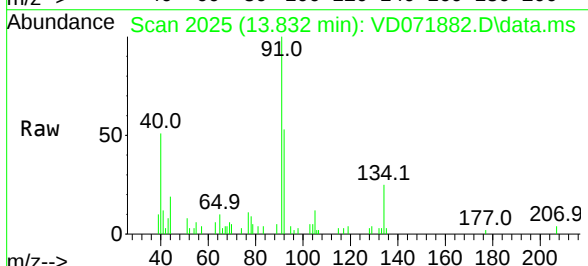
Tgt Ion: 91 Resp: 14185

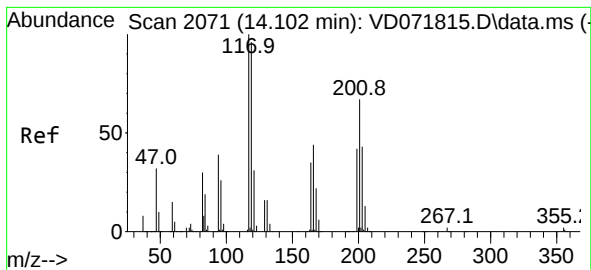
Ion Ratio Lower Upper

91 100

92 44.2 26.6 79.8

134 0.0 12.3 36.9#

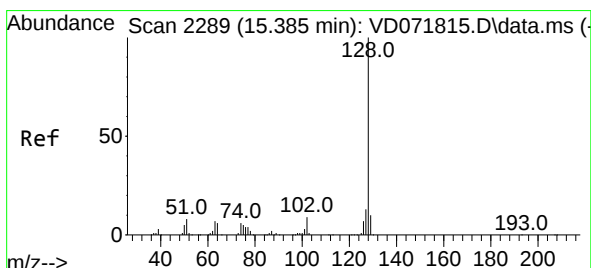
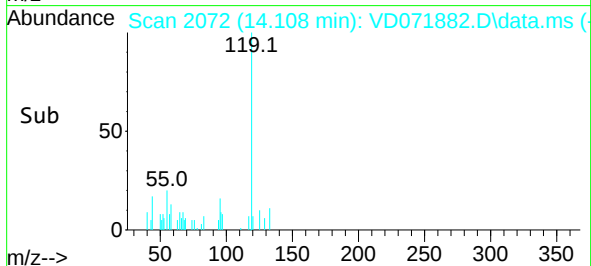
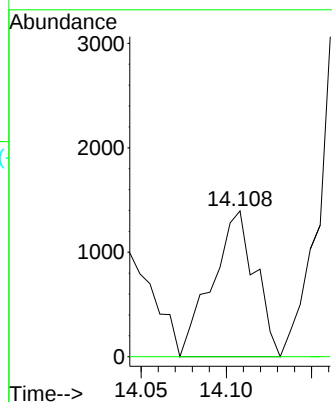
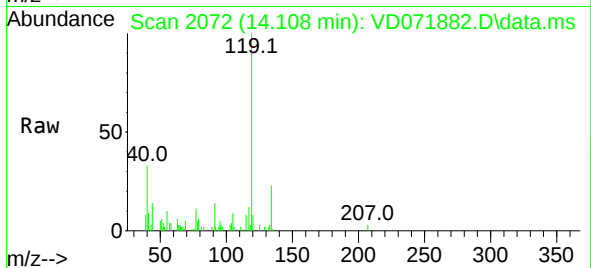




#90
Hexachloroethane
Concen: 2.416 ug/l
RT: 14.108 min Scan# 2071
Delta R.T. 0.006 min
Lab File: VD071882.D
Acq: 02 Feb 2022 16:34

Instrument :
MSVOA_D
ClientSampleId :
OR-3-020222

Tgt Ion:117 Resp: 2433
Ion Ratio Lower Upper
117 100
201 0.0 33.4 100.2#



#95
Naphthalene
Concen: 7.547 ug/l
RT: 15.384 min Scan# 2289
Delta R.T. -0.000 min
Lab File: VD071882.D
Acq: 02 Feb 2022 16:34

Tgt Ion:128 Resp: 16316
Ion Ratio Lower Upper
128 100
127 12.6 10.3 15.5
129 13.6 8.4 12.6#

