

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD021622\
 Data File : VD071991.D
 Acq On : 16 Feb 2022 14:41
 Operator : VA/SY
 Sample : N1548-02
 Misc : 6.61G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-2(1-1.5)

Quant Time: Feb 17 00:49:30 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)

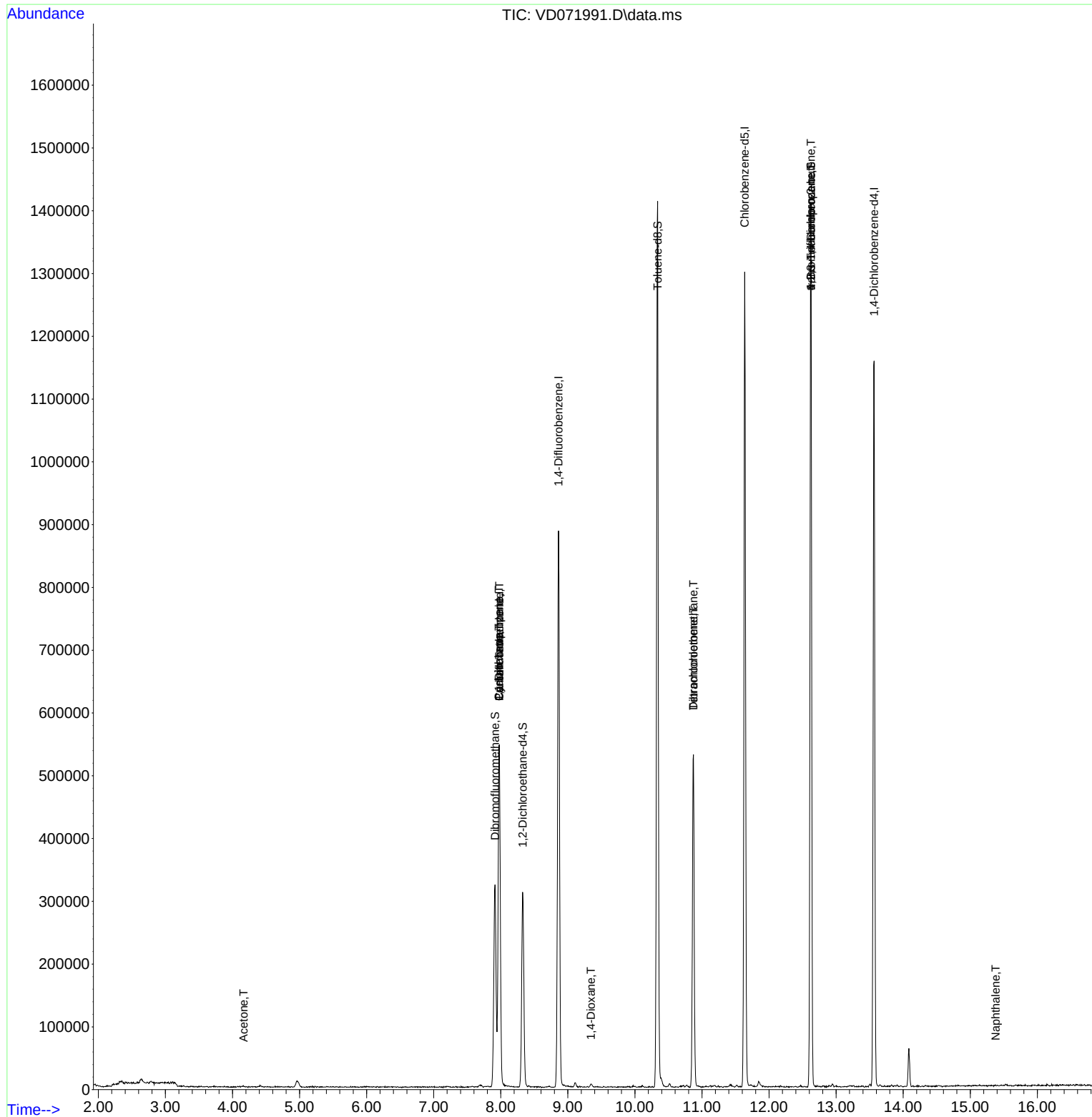
Internal Standards						
1) Pentafluorobenzene	7.979	168	366426	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	684605	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	665949	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	280300	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	249265	53.820	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 107.640%			
35) Dibromofluoromethane	7.914	113	224750	49.943	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 99.880%			
50) Toluene-d8	10.338	98	900459	53.578	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 107.160%			
62) 4-Bromofluorobenzene	12.626	95	306271	52.184	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 104.360%			
Target Compounds						Qvalue
11) Tert butyl alcohol	5.238	59	139	Below Cal	#	74
16) Acetone	4.167	43	1938	1.529	ug/l	94
20) Methylene Chloride	4.961	84	6184	Below Cal		89
31) Cyclohexane	7.973	56	12135	1.372	ug/l #	52
36) 1,1-Dichloropropene	7.973	75	36326	4.703	ug/l #	51
38) Carbon Tetrachloride	7.979	117	41946	5.492	ug/l #	17
49) 1,4-Dioxane	9.344	88	75	2.334	ug/l #	1
60) Dibromochloromethane	10.873	129	111166	24.097	ug/l #	10
64) Tetrachloroethene	10.873	164	112506	23.884	ug/l	95
76) 1,2,3-Trichloropropane	12.626	75	181722	61.517	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.626	75	181722	151.256	ug/l #	8
95) Naphthalene	15.379	128	246	1.478	ug/l #	70

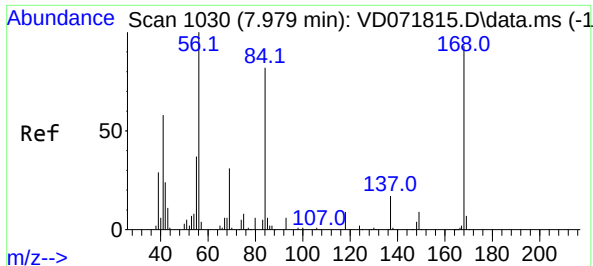
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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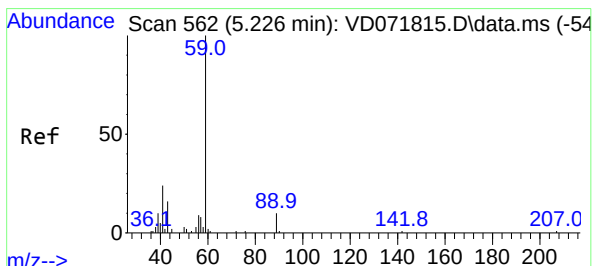
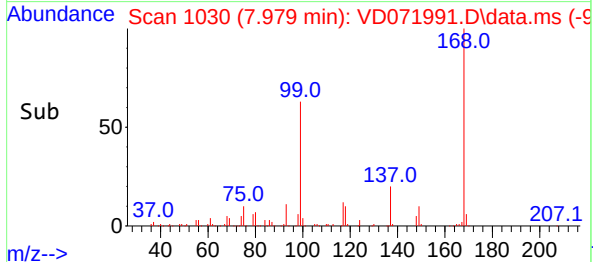
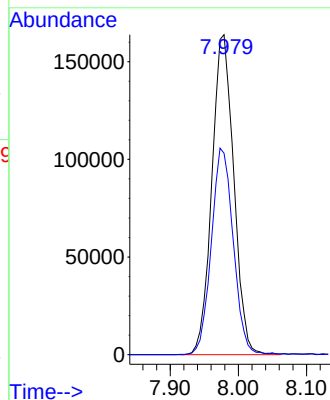
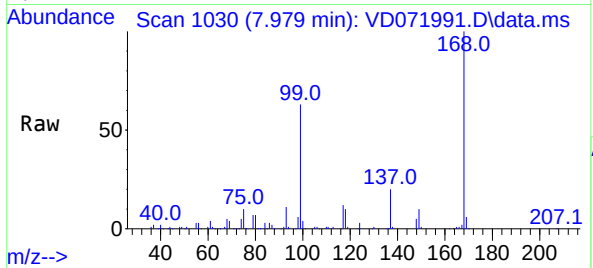




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 10
Delta R.T. -0.000 min
Lab File: VD071991.D
Acq: 16 Feb 2022 14:41

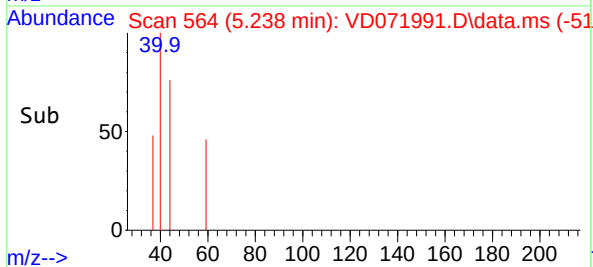
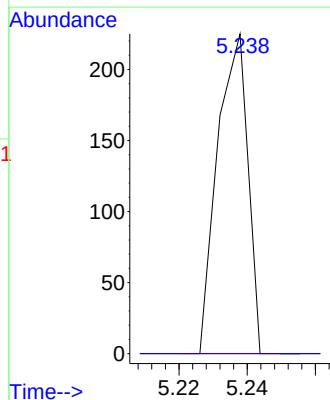
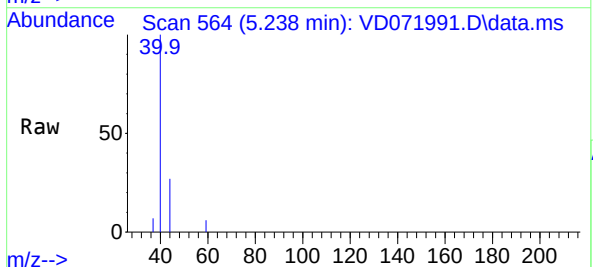
Instrument :
MSVOA_D
ClientSampleId :
SB-2(1-1.5)

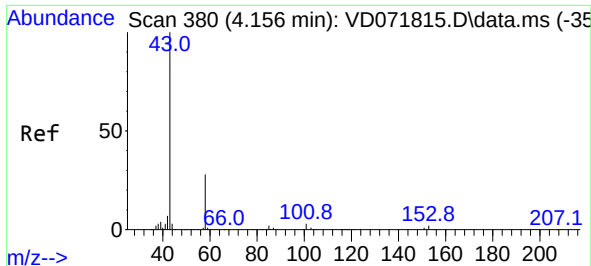
Tgt Ion:168 Resp: 366426
Ion Ratio Lower Upper
168 100
99 62.8 49.8 74.6



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.238 min Scan# 564
Delta R.T. 0.018 min
Lab File: VD071991.D
Acq: 16 Feb 2022 14:41

Tgt Ion: 59 Resp: 139
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#

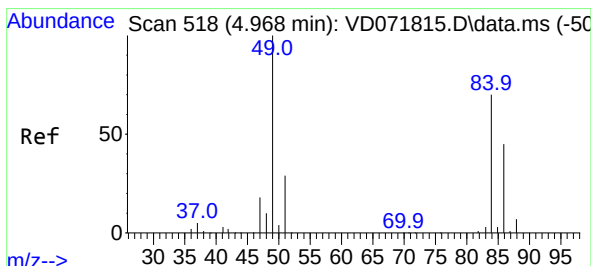
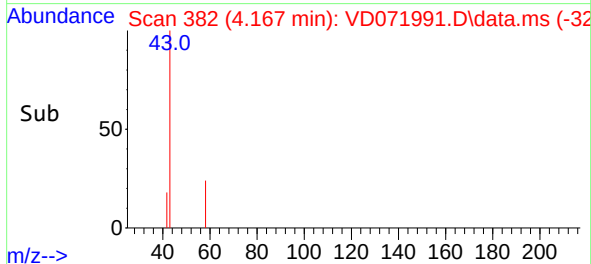
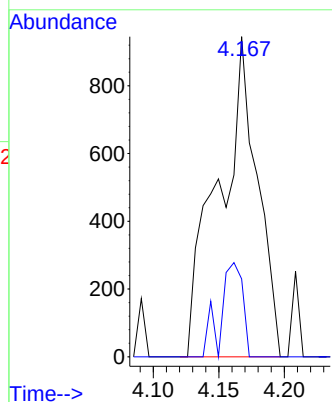
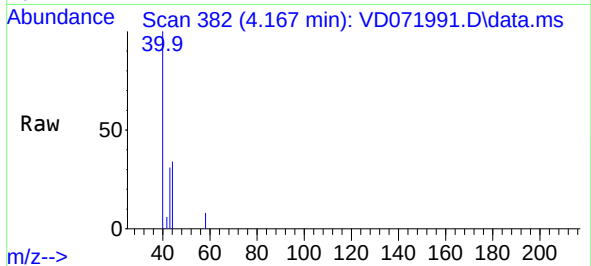




#16
Acetone
Concen: 1.529 ug/l
RT: 4.167 min Scan# 31
Delta R.T. 0.012 min
Lab File: VD071991.D
Acq: 16 Feb 2022 14:41

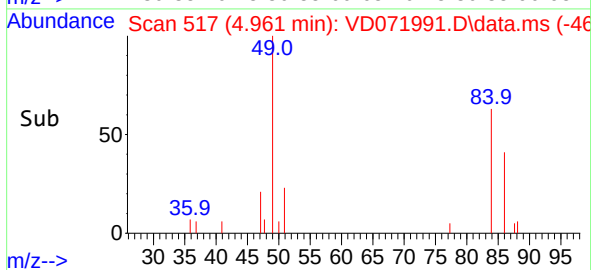
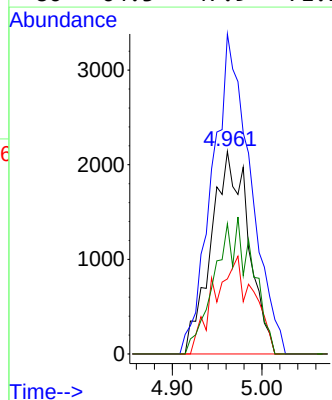
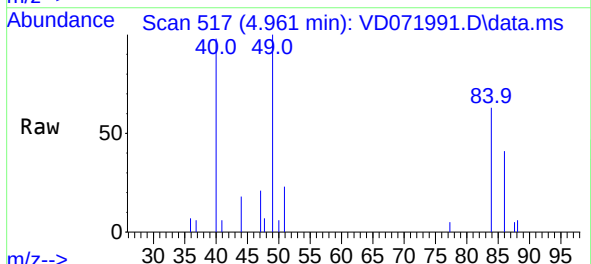
Instrument :
MSVOA_D
ClientSampleId :
SB-2(1-1.5)

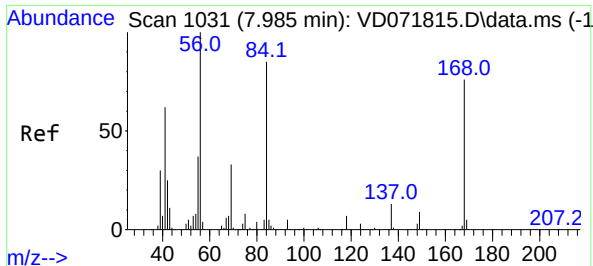
Tgt Ion: 43 Resp: 1938
Ion Ratio Lower Upper
43 100
58 24.3 22.1 33.1



#20
Methylene Chloride
Concen: Below Cal
RT: 4.961 min Scan# 517
Delta R.T. -0.006 min
Lab File: VD071991.D
Acq: 16 Feb 2022 14:41

Tgt Ion: 84 Resp: 6184
Ion Ratio Lower Upper
84 100
49 158.0 112.8 169.2
51 37.1 32.6 48.8
86 64.3 47.9 71.9





#31

Cyclohexane

Concen: 1.372 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.012 min

Lab File: VD071991.D

Acq: 16 Feb 2022 14:41

Instrument :

MSVOA_D

ClientSampleId :

SB-2(1-1.5)

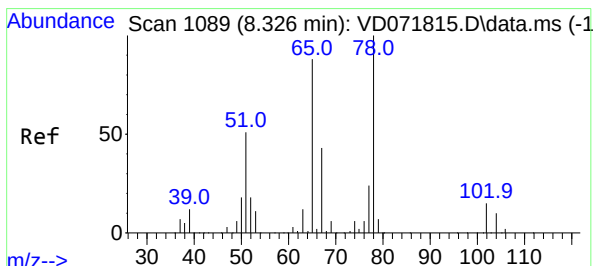
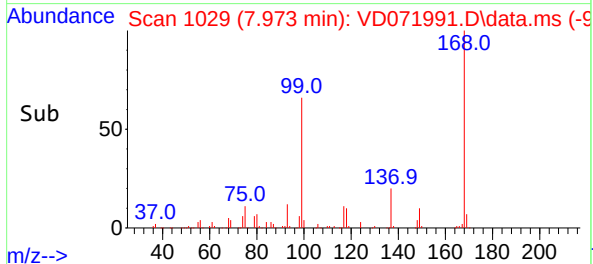
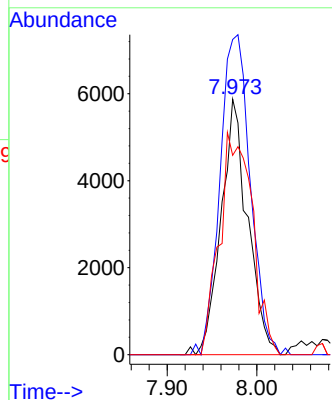
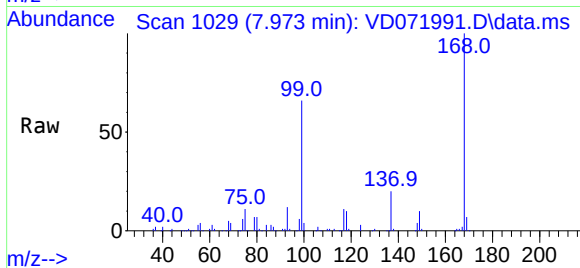
Tgt Ion: 56 Resp: 12135

Ion Ratio Lower Upper

56 100

69 123.4 25.4 38.2#

84 78.0 63.0 94.4



#33

1,2-Dichloroethane-d4

Concen: 53.820 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. -0.000 min

Lab File: VD071991.D

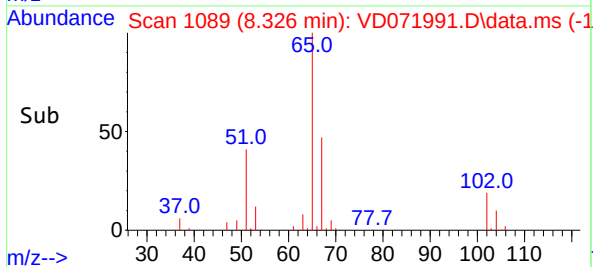
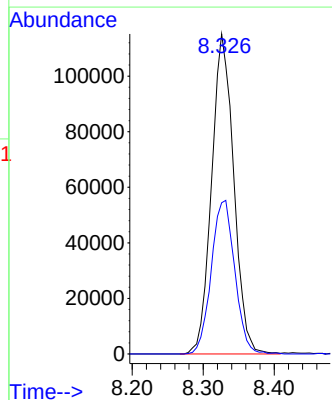
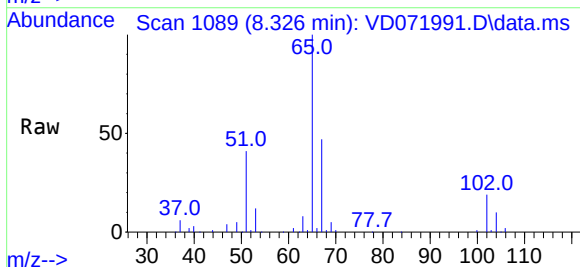
Acq: 16 Feb 2022 14:41

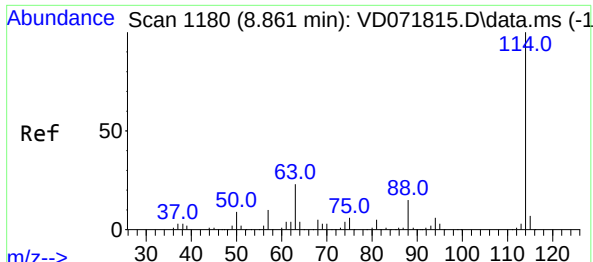
Tgt Ion: 65 Resp: 249265

Ion Ratio Lower Upper

65 100

67 51.0 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: VD071991.D

Acq: 16 Feb 2022 14:41

Instrument :

MSVOA_D

ClientSampleId :

SB-2(1-1.5)

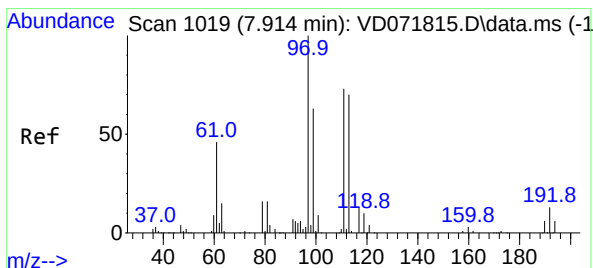
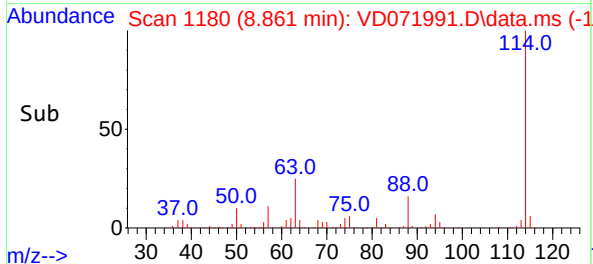
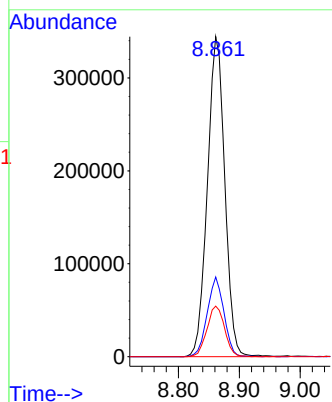
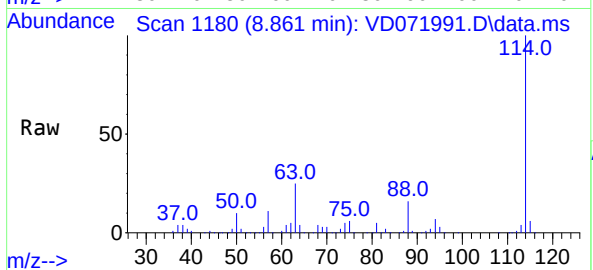
Tgt Ion:114 Resp: 684605

Ion Ratio Lower Upper

114 100

63 24.9 0.0 46.6

88 15.8 0.0 33.2



#35

Dibromofluoromethane

Concen: 49.943 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.000 min

Lab File: VD071991.D

Acq: 16 Feb 2022 14:41

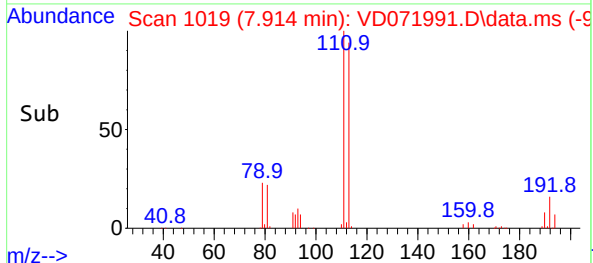
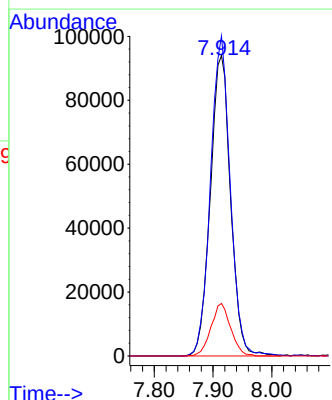
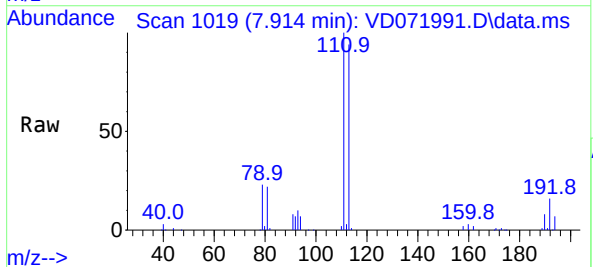
Tgt Ion:113 Resp: 224750

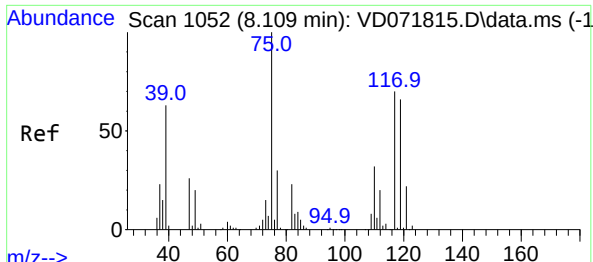
Ion Ratio Lower Upper

113 100

111 103.8 83.8 125.6

192 17.0 14.6 21.8

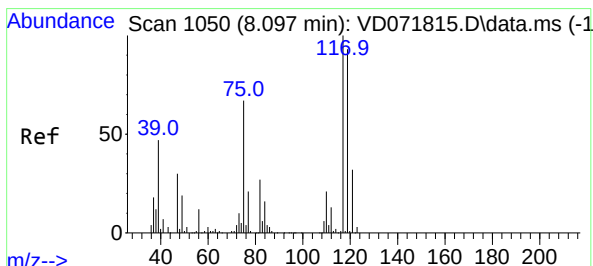
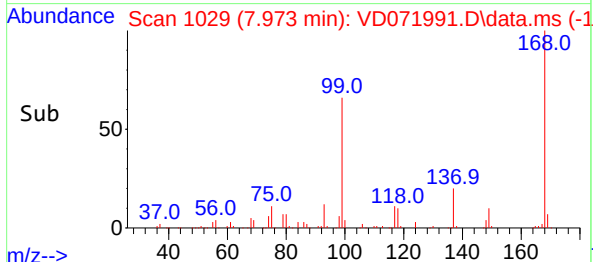
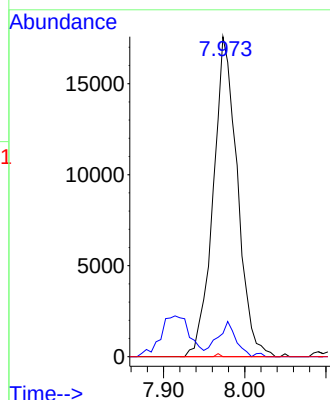
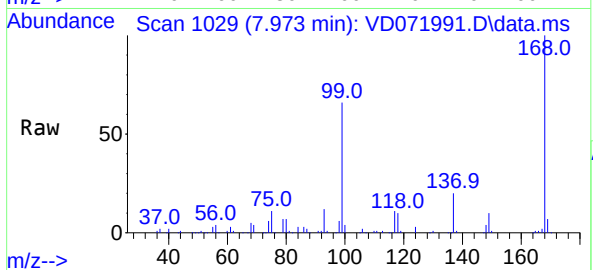




#36
1,1-Dichloropropene
Concen: 4.703 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.141 min
Lab File: VD071991.D
Acq: 16 Feb 2022 14:41

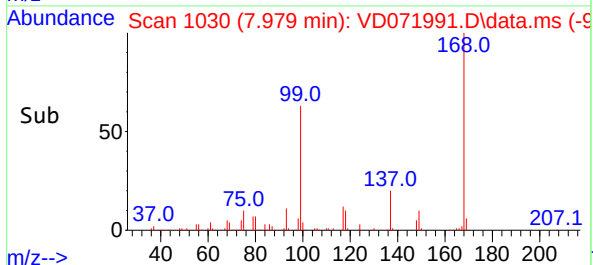
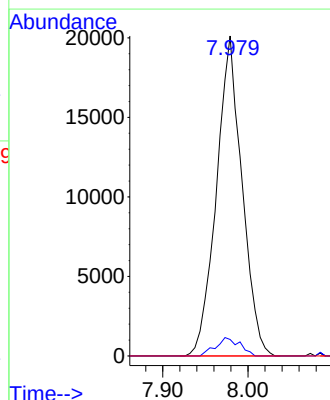
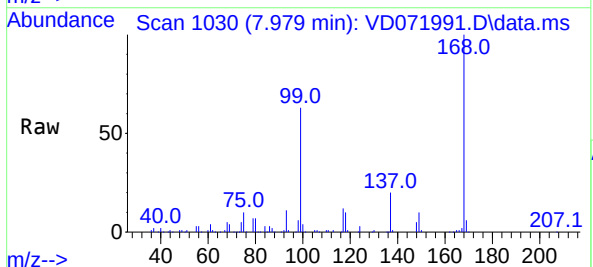
Instrument :
MSVOA_D
ClientSampleId :
SB-2(1-1.5)

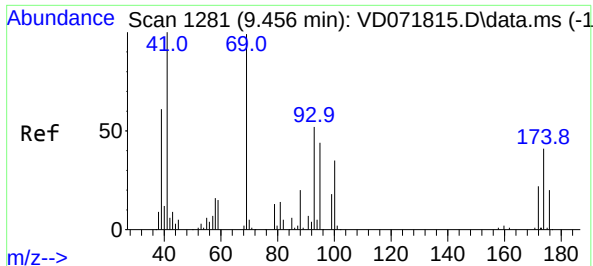
Tgt Ion: 75 Resp: 36326
Ion Ratio Lower Upper
75 100
110 8.4 16.4 49.1#
77 0.2 24.2 36.2#



#38
Carbon Tetrachloride
Concen: 5.492 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD071991.D
Acq: 16 Feb 2022 14:41

Tgt Ion: 117 Resp: 41946
Ion Ratio Lower Upper
117 100
119 5.1 75.8 113.6#
121 0.0 24.5 36.7#

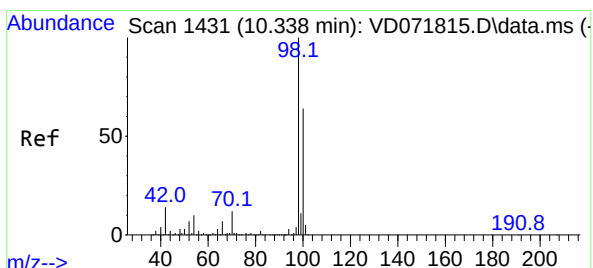
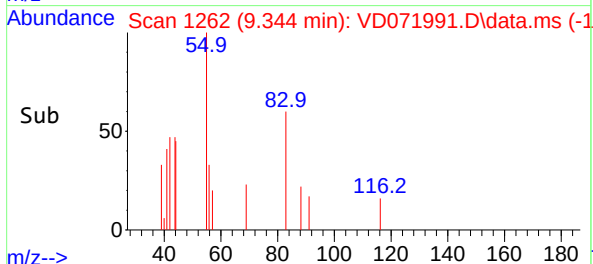
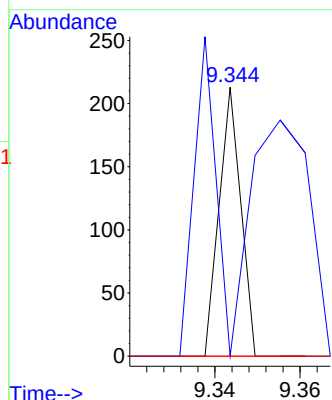
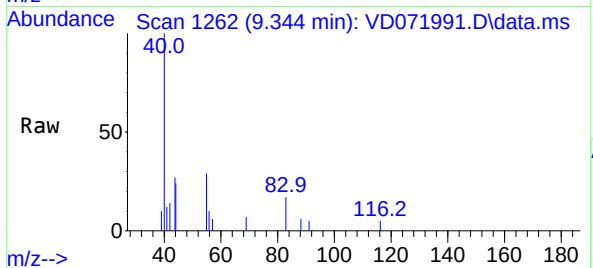




#49
1,4-Dioxane
Concen: 2.334 ug/l
RT: 9.344 min Scan# 11
Delta R.T. -0.118 min
Lab File: VD071991.D
Acq: 16 Feb 2022 14:41

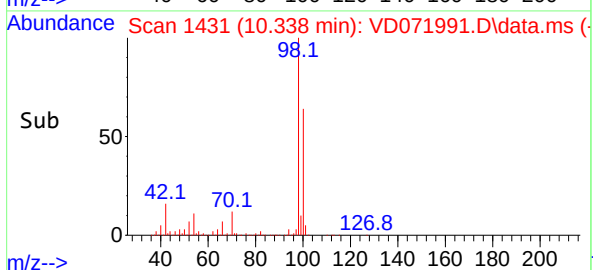
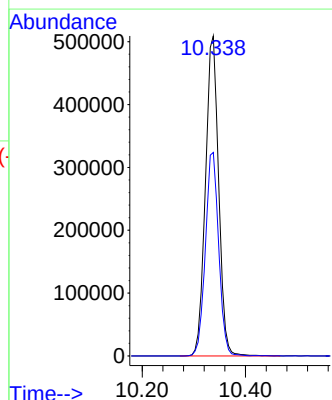
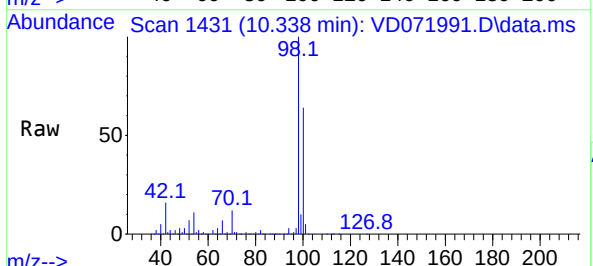
Instrument :
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SB-2(1-1.5)

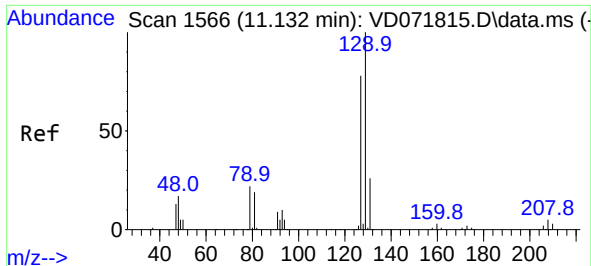
Tgt Ion: 88 Resp: 75
Ion Ratio Lower Upper
88 100
43 118.7 31.0 46.4#
58 0.0 58.1 87.1#



#50
Toluene-d8
Concen: 53.578 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD071991.D
Acq: 16 Feb 2022 14:41

Tgt Ion: 98 Resp: 900459
Ion Ratio Lower Upper
98 100
100 64.2 52.4 78.6

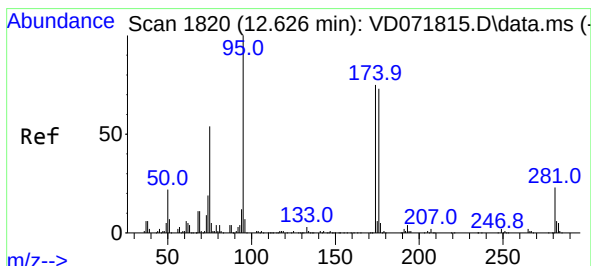
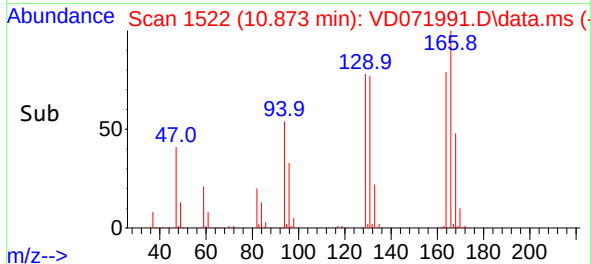
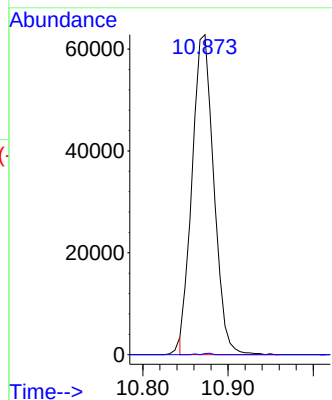
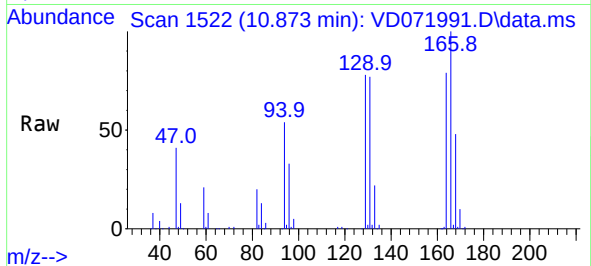




#60
Dibromochloromethane
Concen: 24.097 ug/l
RT: 10.873 min Scan# 111166
Delta R.T. -0.259 min
Lab File: VD071991.D
Acq: 16 Feb 2022 14:41

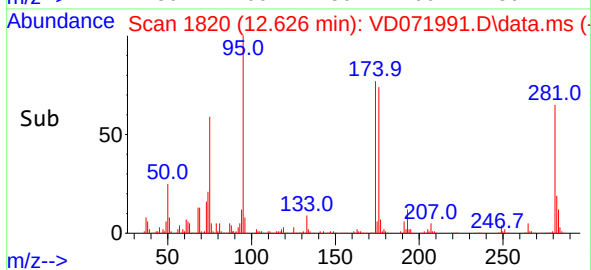
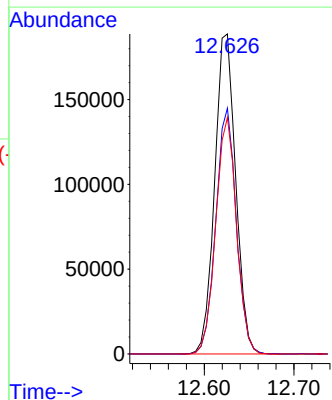
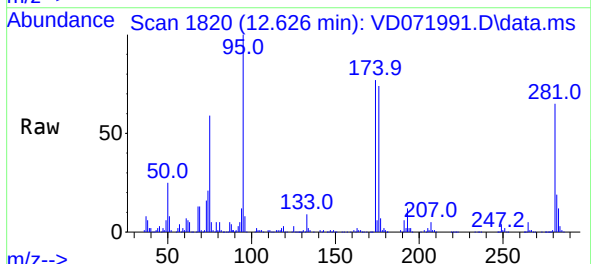
Instrument :
MSVOA_D
ClientSampleId :
SB-2(1-1.5)

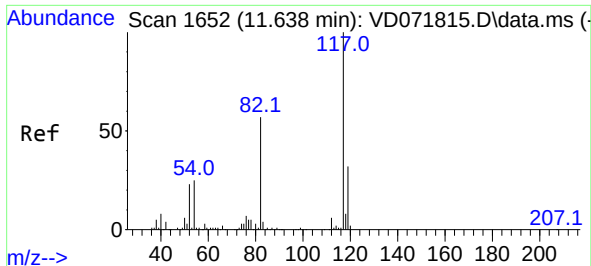
Tgt Ion:129 Resp: 111166
Ion Ratio Lower Upper
129 100
127 0.2 39.2 117.6#



#62
4-Bromofluorobenzene
Concen: 52.184 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD071991.D
Acq: 16 Feb 2022 14:41

Tgt Ion: 95 Resp: 306271
Ion Ratio Lower Upper
95 100
174 74.9 0.0 152.8
176 72.8 0.0 145.4

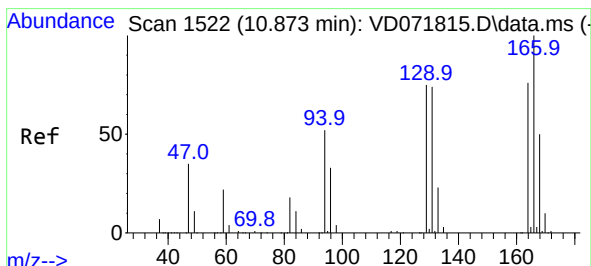
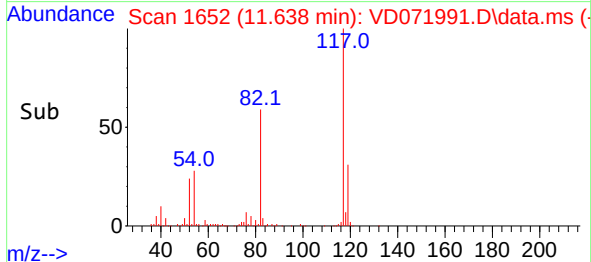
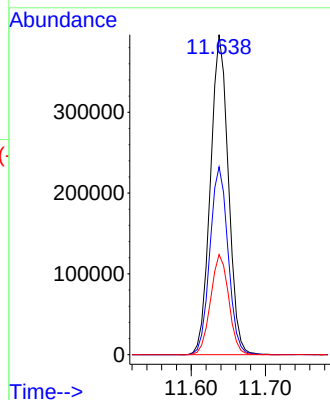
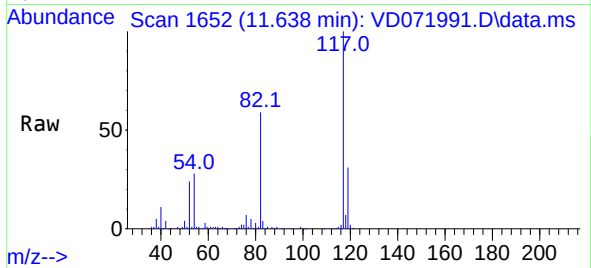




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1170
Delta R.T. -0.000 min
Lab File: VD071991.D
Acq: 16 Feb 2022 14:41

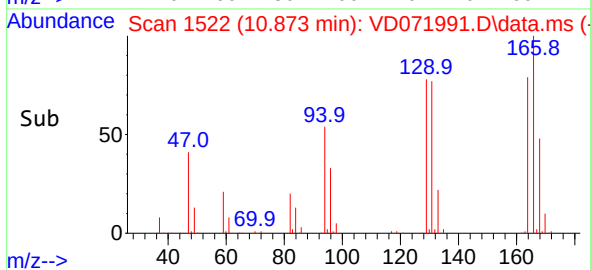
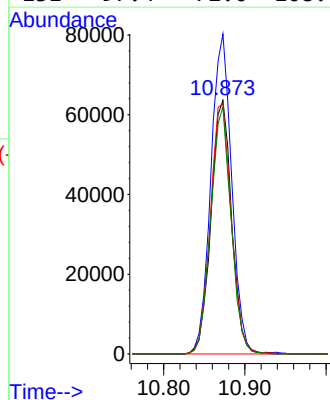
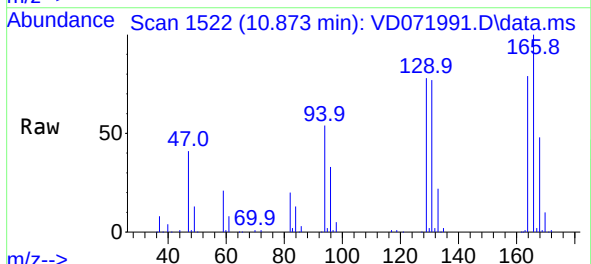
Instrument :
MSVOA_D
ClientSampleId :
SB-2(1-1.5)

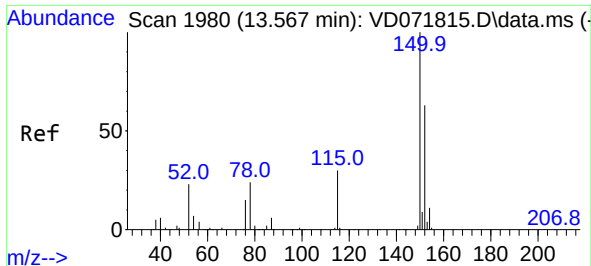
Tgt Ion:117 Resp: 665949
Ion Ratio Lower Upper
117 100
82 58.7 45.3 67.9
119 31.3 26.6 40.0



#64
Tetrachloroethene
Concen: 23.884 ug/l
RT: 10.873 min Scan# 1522
Delta R.T. -0.000 min
Lab File: VD071991.D
Acq: 16 Feb 2022 14:41

Tgt Ion:164 Resp: 112506
Ion Ratio Lower Upper
164 100
166 126.2 98.5 147.7
129 98.8 74.6 111.8
131 97.4 72.0 108.0

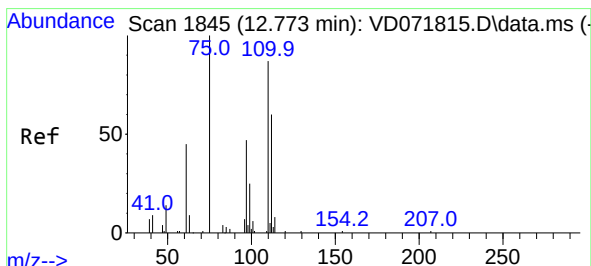
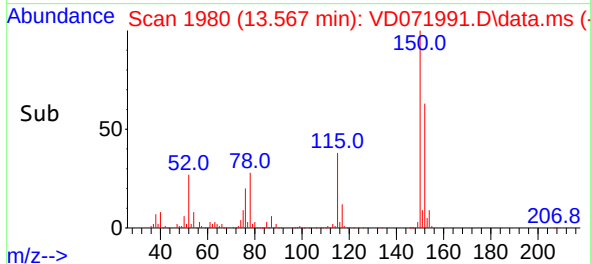
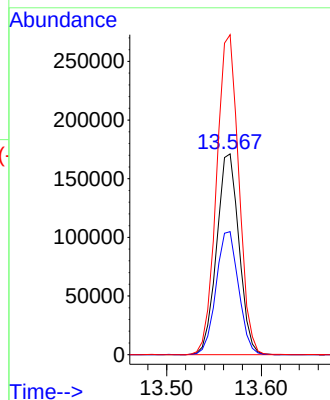
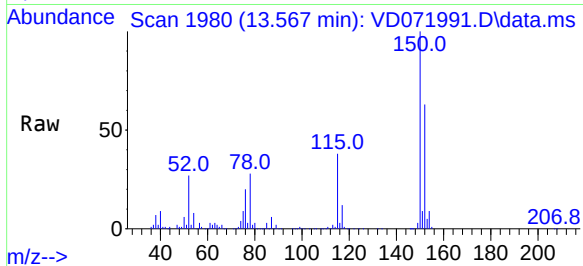




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD071991.D
Acq: 16 Feb 2022 14:41

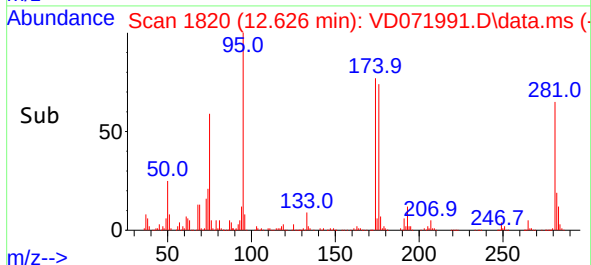
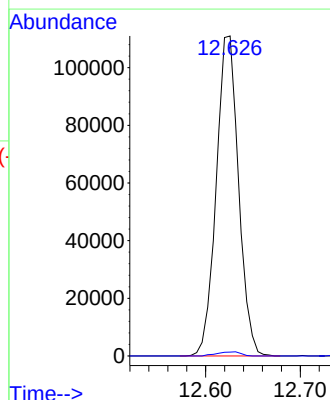
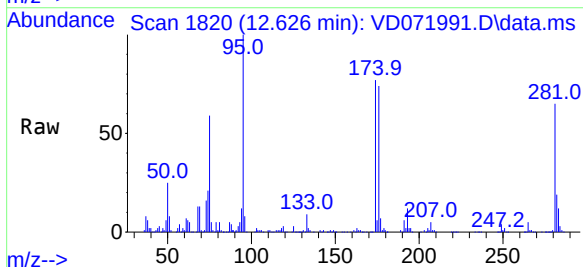
Instrument :
MSVOA_D
ClientSampleId :
SB-2(1-1.5)

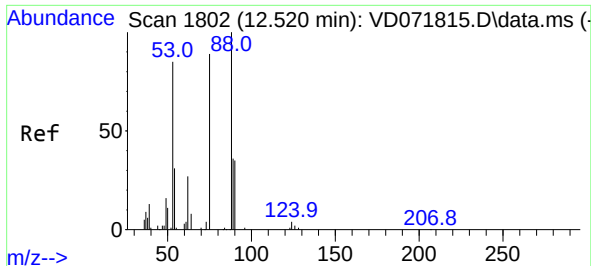
Tgt Ion:152 Resp: 280300
Ion Ratio Lower Upper
152 100
115 61.9 31.3 93.8
150 158.9 0.0 348.6



#76
1,2,3-Trichloropropane
Concen: 61.517 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD071991.D
Acq: 16 Feb 2022 14:41

Tgt Ion: 75 Resp: 181722
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#

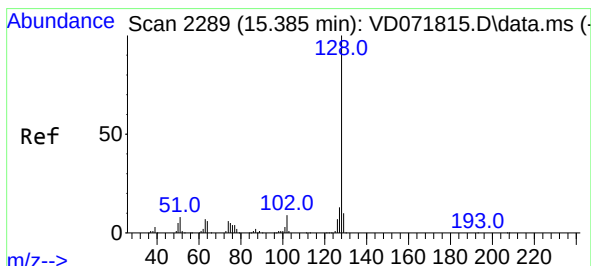
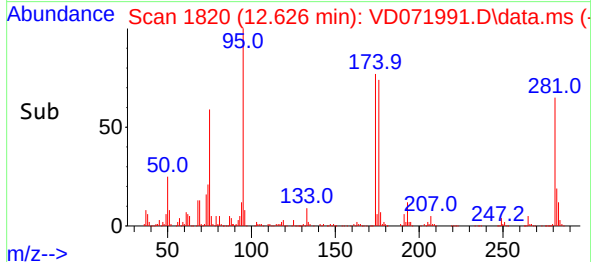
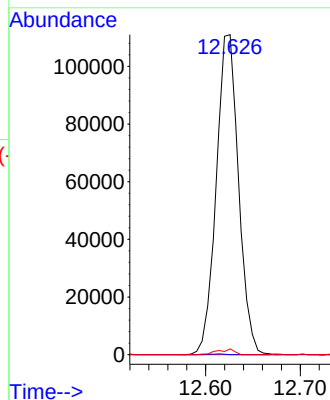
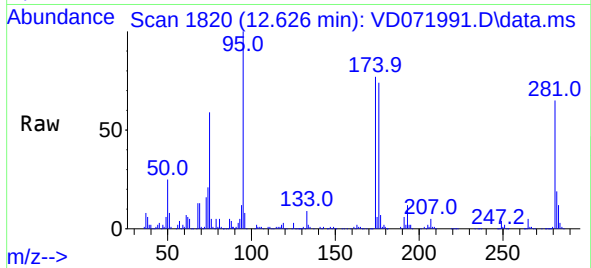




#81
trans-1,4-Dichloro-2-butene
Concen: 151.256 ug/l
RT: 12.626 min Scan# 1802
Delta R.T. 0.106 min
Lab File: VD071991.D
Acq: 16 Feb 2022 14:41

Instrument :
MSVOA_D
ClientSampleId :
SB-2(1-1.5)

Tgt Ion: 75 Resp: 181722
Ion Ratio Lower Upper
75 100
53 0.2 86.5 129.7#
89 1.4 33.9 50.9#



#95
Naphthalene
Concen: 1.478 ug/l
RT: 15.379 min Scan# 2288
Delta R.T. -0.006 min
Lab File: VD071991.D
Acq: 16 Feb 2022 14:41

Tgt Ion:128 Resp: 246
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.4 12.6#

