

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD021722\
 Data File : VD072009.D
 Acq On : 17 Feb 2022 13:07
 Operator : VA/SY
 Sample : N1572-01
 Misc : 5.06G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Feb 18 06:37:02 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)

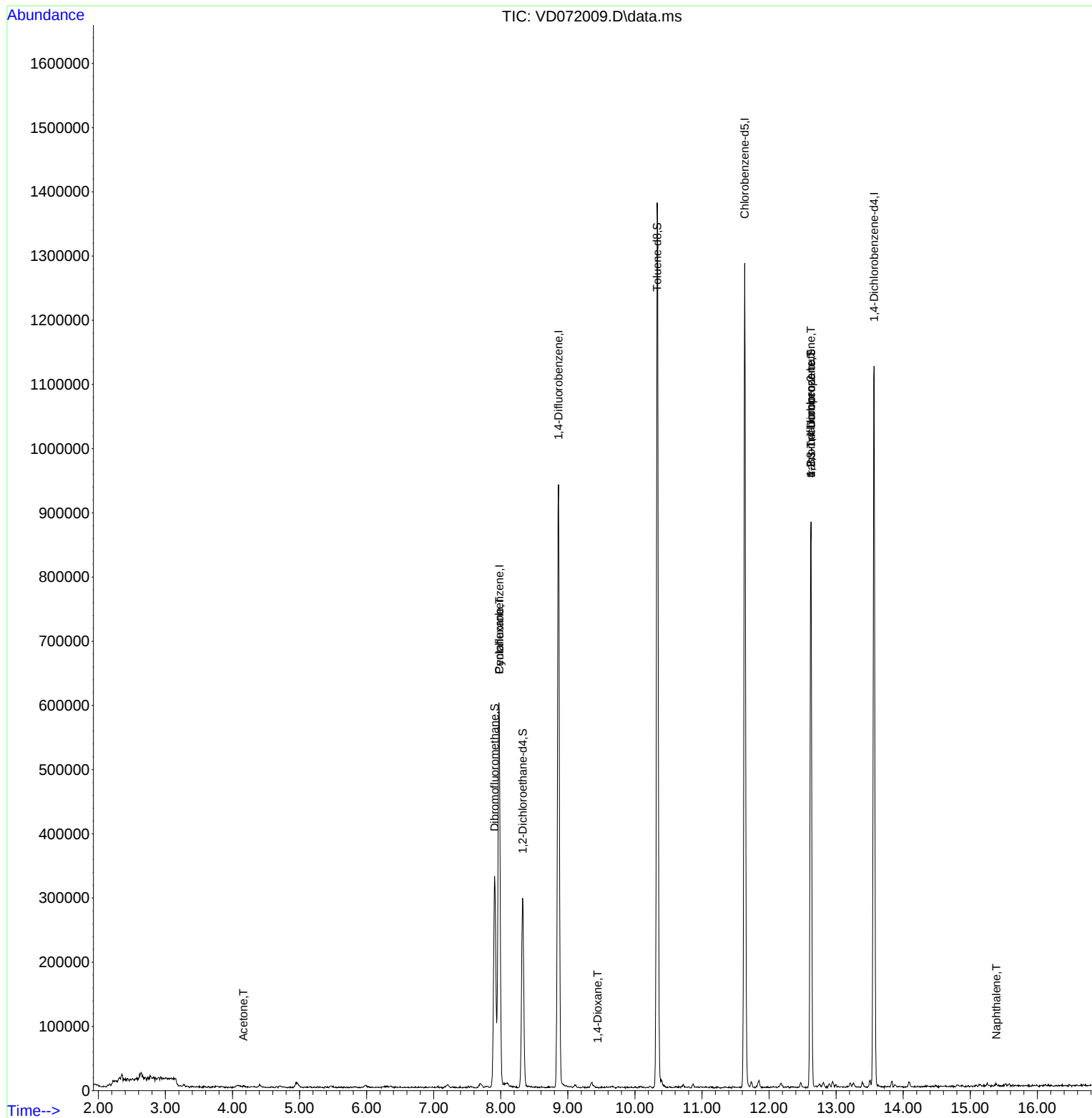
Internal Standards						
1) Pentafluorobenzene	7.979	168	402502	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	722623	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	645142	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	268296	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	230982	45.403	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	90.800%		
35) Dibromofluoromethane	7.908	113	229958	48.412	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	96.820%		
50) Toluene-d8	10.332	98	886333	49.963	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	99.920%		
62) 4-Bromofluorobenzene	12.626	95	271745	43.866	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	87.740%		
Target Compounds						
11) Tert butyl alcohol	5.238	59	286	Below Cal	#	74
16) Acetone	4.162	43	4345	3.120	ug/l #	88
20) Methylene Chloride	4.961	84	5491	Below Cal	#	81
31) Cyclohexane	7.979	56	14432	1.486	ug/l #	57
49) 1,4-Dioxane	9.444	88	54	1.592	ug/l #	1
76) 1,2,3-Trichloropropane	12.626	75	159623	56.454	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.626	75	159623	138.806	ug/l #	7
95) Naphthalene	15.390	128	2803	1.746	ug/l #	89

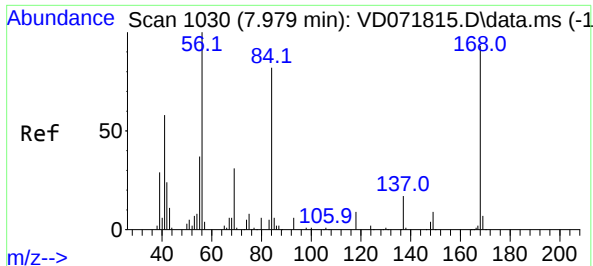
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

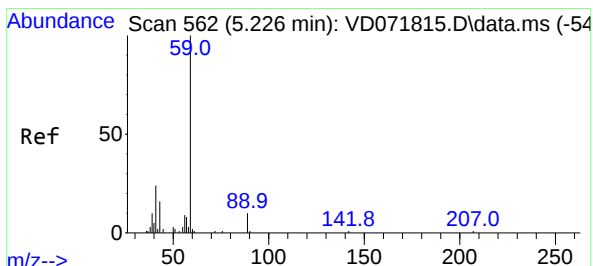
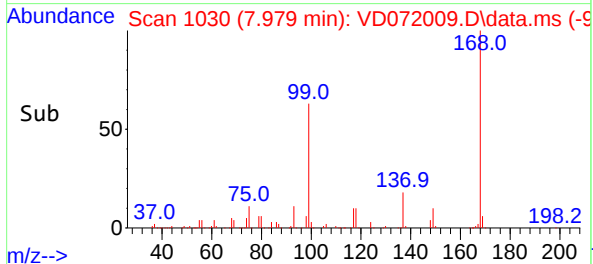
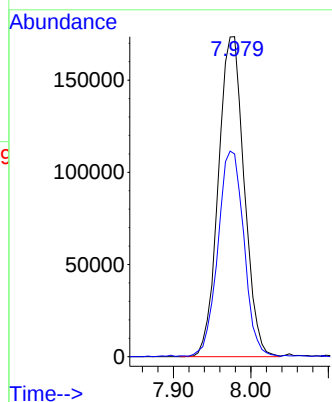
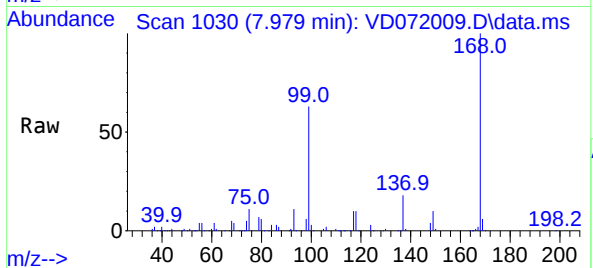




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 10
Delta R.T. -0.000 min
Lab File: VD072009.D
Acq: 17 Feb 2022 13:07

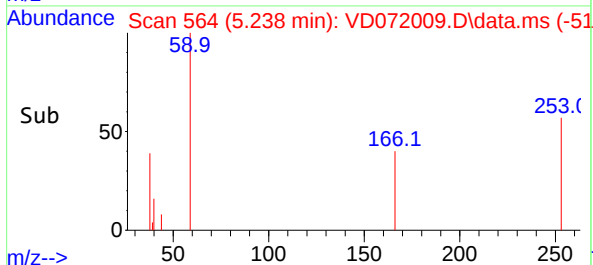
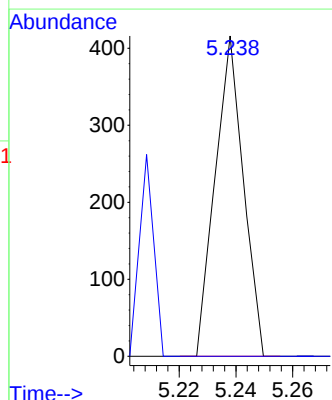
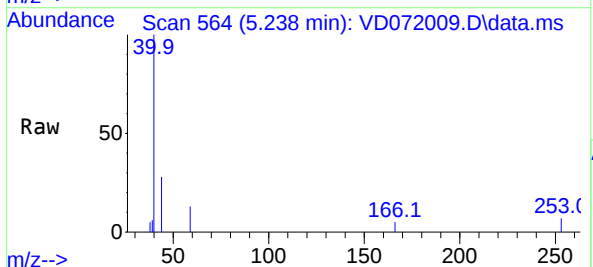
Instrument :
MSVOA_D
ClientSampleId :

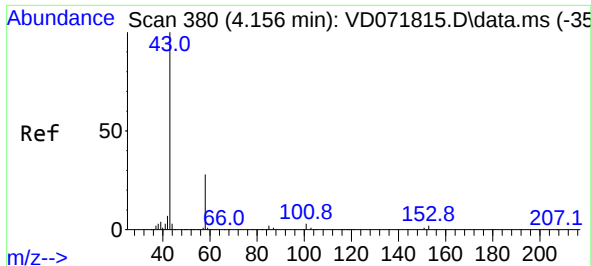
Tgt Ion:168 Resp: 402502
Ion Ratio Lower Upper
168 100
99 63.2 49.8 74.6



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.238 min Scan# 564
Delta R.T. 0.018 min
Lab File: VD072009.D
Acq: 17 Feb 2022 13:07

Tgt Ion: 59 Resp: 286
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#

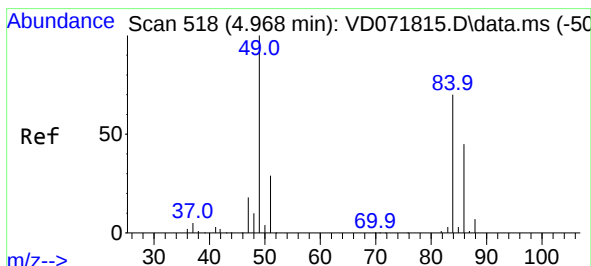
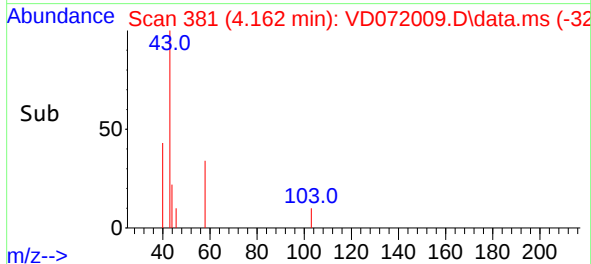
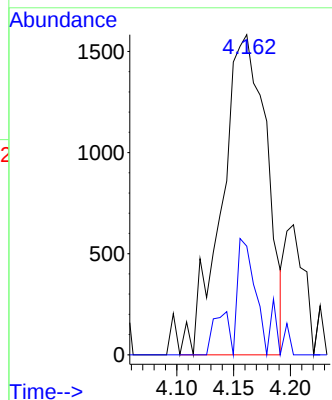
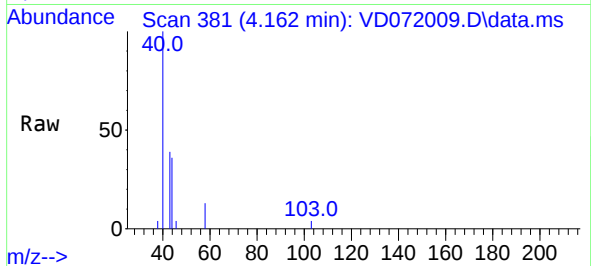




#16
Acetone
Concen: 3.120 ug/l
RT: 4.162 min Scan# 31
Delta R.T. 0.006 min
Lab File: VD072009.D
Acq: 17 Feb 2022 13:07

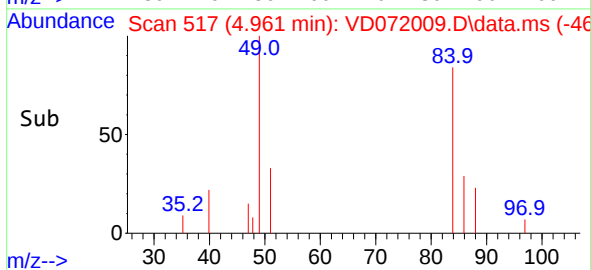
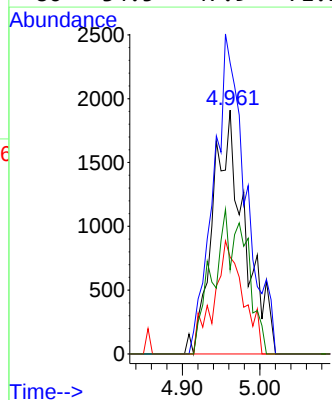
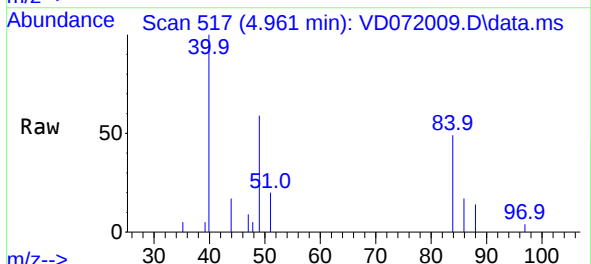
Instrument :
MSVOA_D
ClientSampleId :

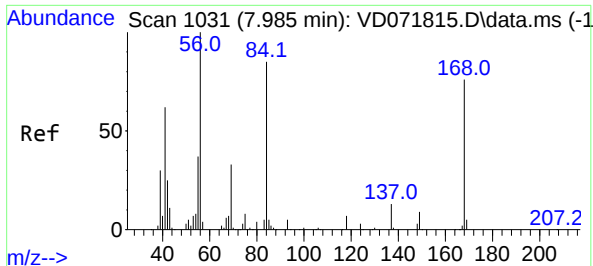
Tgt Ion: 43 Resp: 4345
Ion Ratio Lower Upper
43 100
58 33.9 22.1 33.1#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.961 min Scan# 517
Delta R.T. -0.006 min
Lab File: VD072009.D
Acq: 17 Feb 2022 13:07

Tgt Ion: 84 Resp: 5491
Ion Ratio Lower Upper
84 100
49 119.4 112.8 169.2
51 39.7 32.6 48.8
86 34.5 47.9 71.9#





#31

Cyclohexane

Concen: 1.486 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.006 min

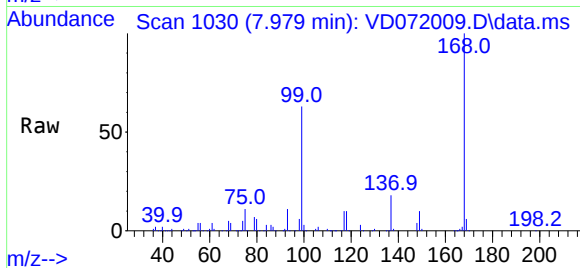
Lab File: VD072009.D

Acq: 17 Feb 2022 13:07

Instrument :

MSVOA_D

ClientSampleId :



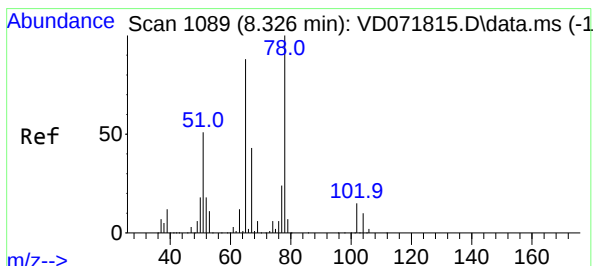
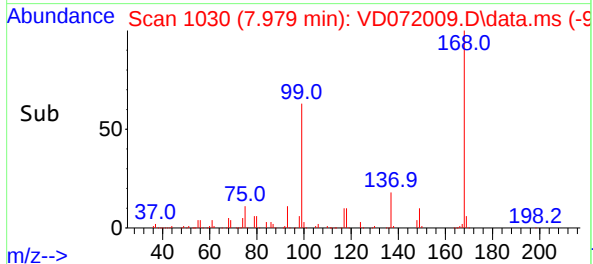
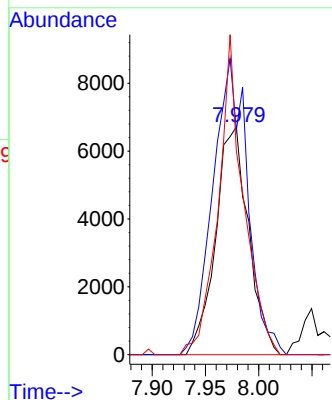
Tgt Ion: 56 Resp: 14432

Ion Ratio Lower Upper

56 100

69 98.6 25.4 38.2#

84 89.4 63.0 94.4



#33

1,2-Dichloroethane-d4

Concen: 45.403 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. -0.000 min

Lab File: VD072009.D

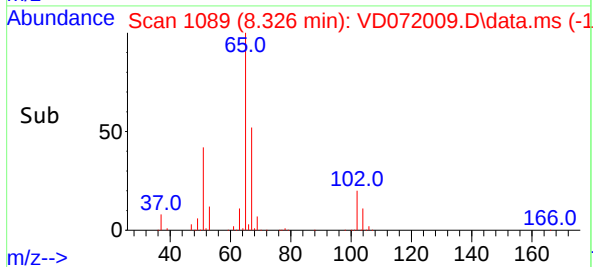
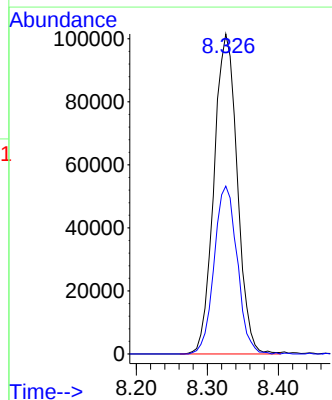
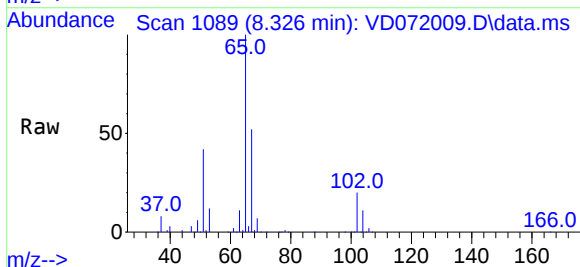
Acq: 17 Feb 2022 13:07

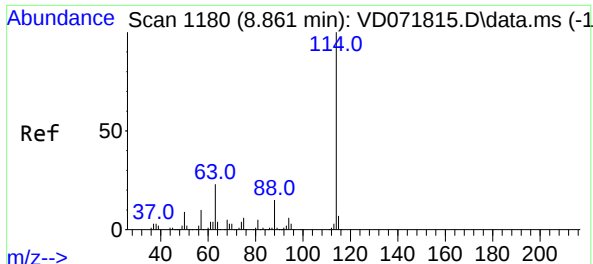
Tgt Ion: 65 Resp: 230982

Ion Ratio Lower Upper

65 100

67 51.8 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: VD072009.D

Acq: 17 Feb 2022 13:07

Instrument :

MSVOA_D

ClientSampleId :

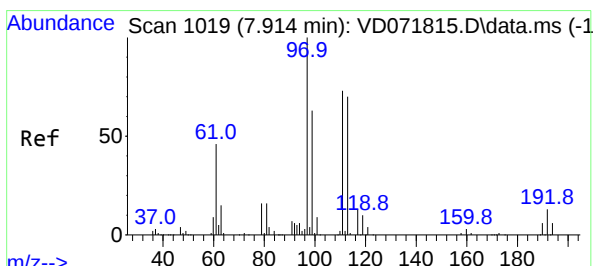
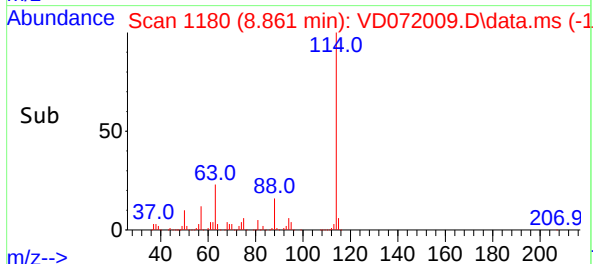
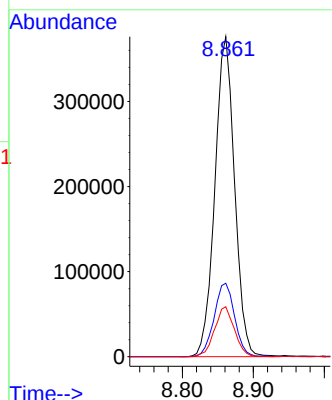
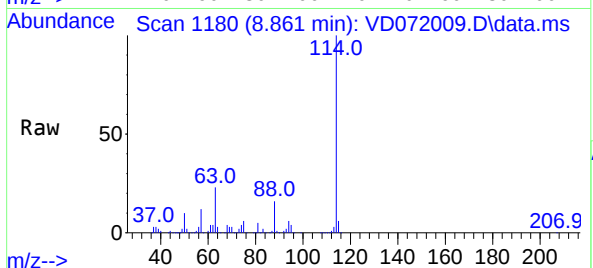
Tgt Ion:114 Resp: 722623

Ion Ratio Lower Upper

114 100

63 23.0 0.0 46.6

88 15.6 0.0 33.2



#35

Dibromofluoromethane

Concen: 48.412 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.006 min

Lab File: VD072009.D

Acq: 17 Feb 2022 13:07

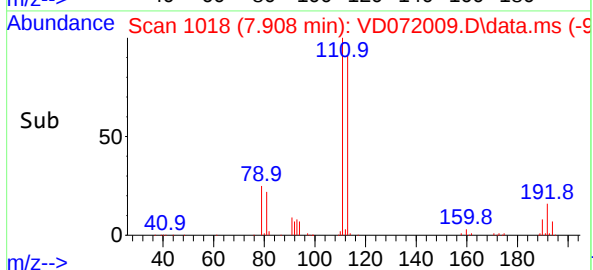
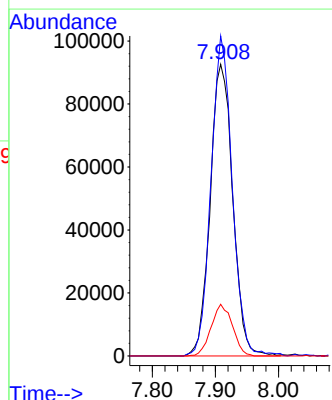
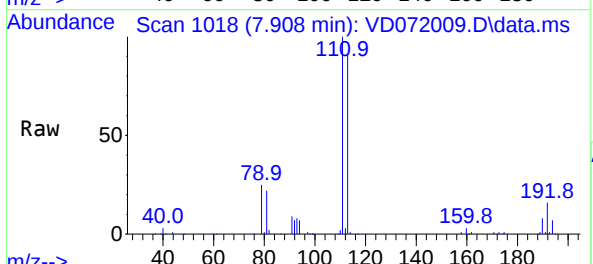
Tgt Ion:113 Resp: 229958

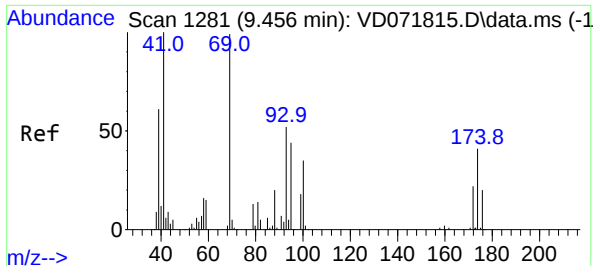
Ion Ratio Lower Upper

113 100

111 103.5 83.8 125.6

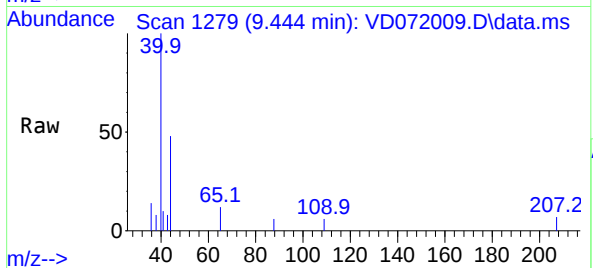
192 16.8 14.6 21.8



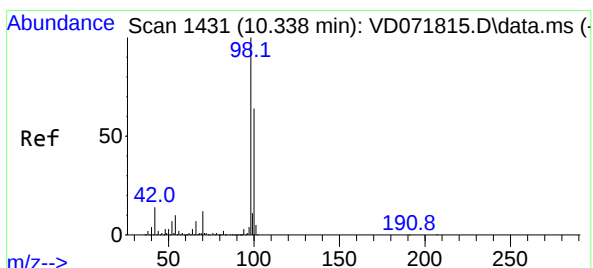
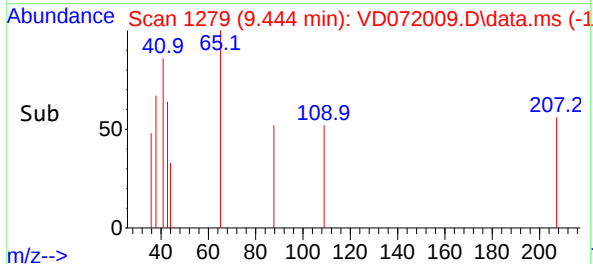
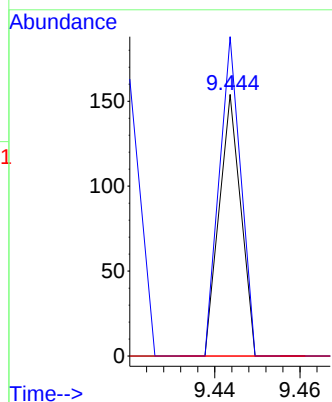


#49
1,4-Dioxane
Concen: 1.592 ug/l
RT: 9.444 min Scan# 11
Delta R.T. -0.018 min
Lab File: VD072009.D
Acq: 17 Feb 2022 13:07

Instrument :
MSVOA_D
ClientSampleId :

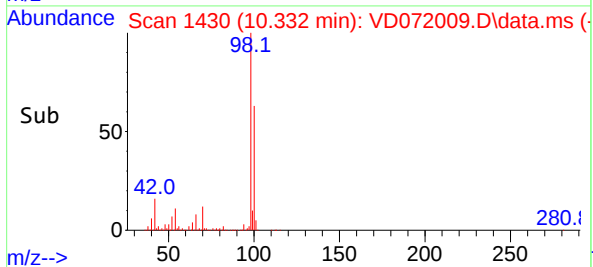
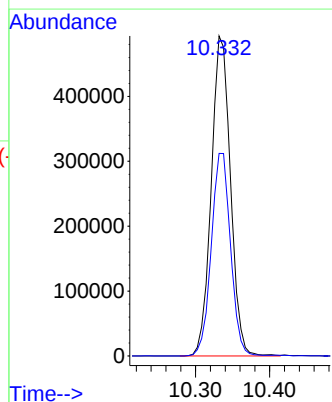
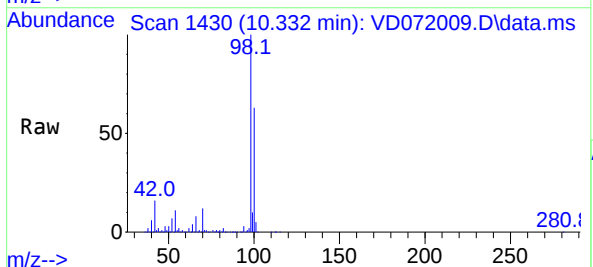


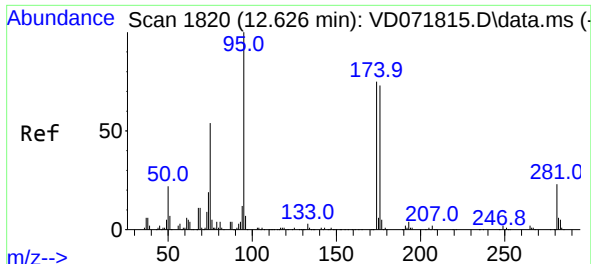
Tgt Ion: 88 Resp: 54
Ion Ratio Lower Upper
88 100
43 122.2 31.0 46.4#
58 0.0 58.1 87.1#



#50
Toluene-d8
Concen: 49.963 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VD072009.D
Acq: 17 Feb 2022 13:07

Tgt Ion: 98 Resp: 886333
Ion Ratio Lower Upper
98 100
100 63.6 52.4 78.6

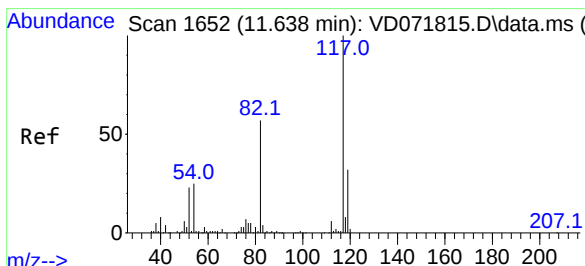
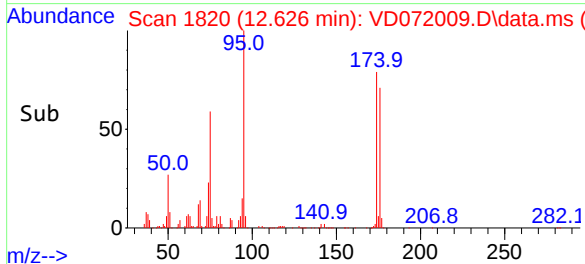
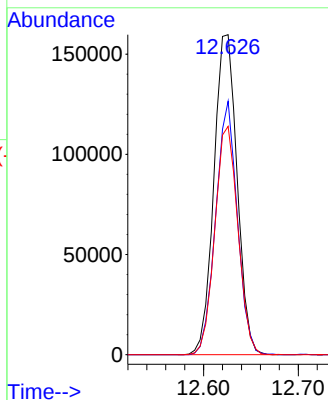
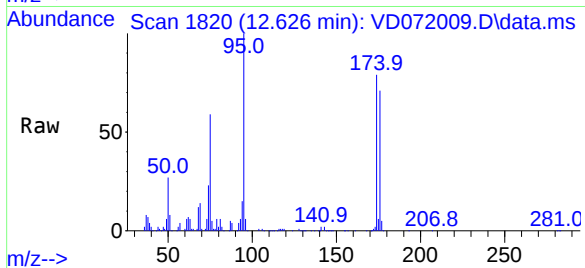




#62
4-Bromofluorobenzene
Concen: 43.866 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD072009.D
Acq: 17 Feb 2022 13:07

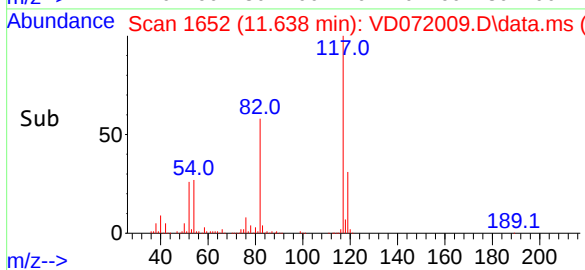
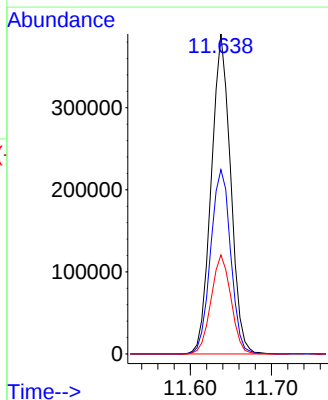
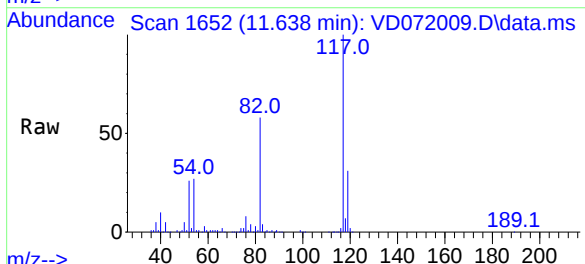
Instrument :
MSVOA_D
ClientSampleId :

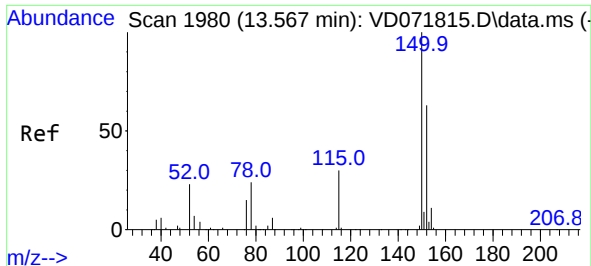
Tgt Ion: 95 Resp: 271745
Ion Ratio Lower Upper
95 100
174 73.9 0.0 152.8
176 70.9 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD072009.D
Acq: 17 Feb 2022 13:07

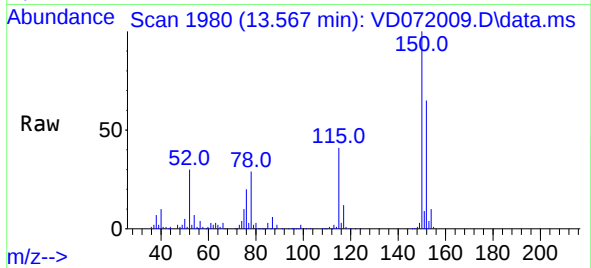
Tgt Ion: 117 Resp: 645142
Ion Ratio Lower Upper
117 100
82 57.6 45.3 67.9
119 30.9 26.6 40.0



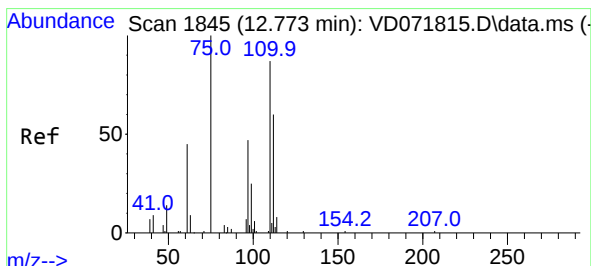
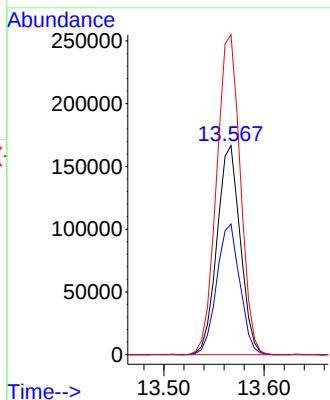
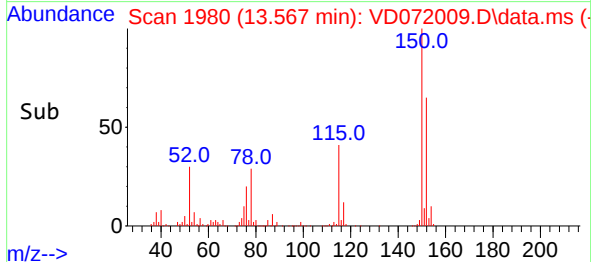


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD072009.D
Acq: 17 Feb 2022 13:07

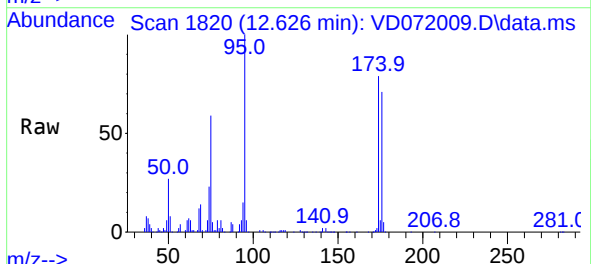
Instrument :
MSVOA_D
ClientSampleId :



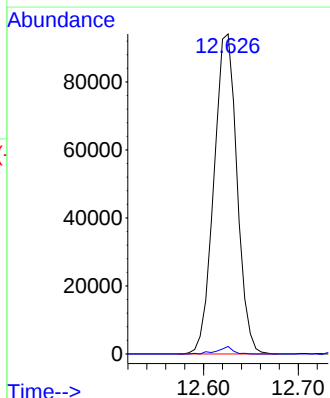
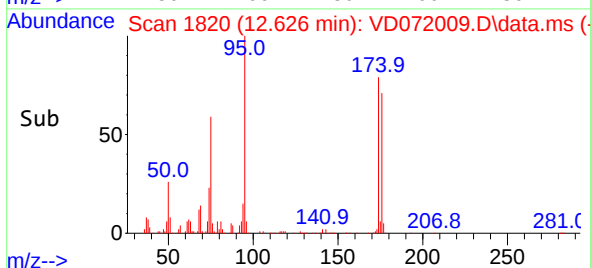
Tgt Ion:152 Resp: 268296
Ion Ratio Lower Upper
152 100
115 62.5 31.3 93.8
150 156.4 0.0 348.6

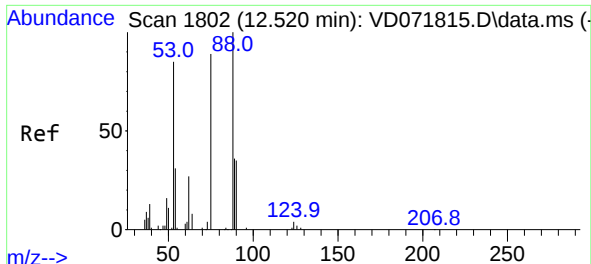


#76
1,2,3-Trichloropropane
Concen: 56.454 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD072009.D
Acq: 17 Feb 2022 13:07



Tgt Ion: 75 Resp: 159623
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#

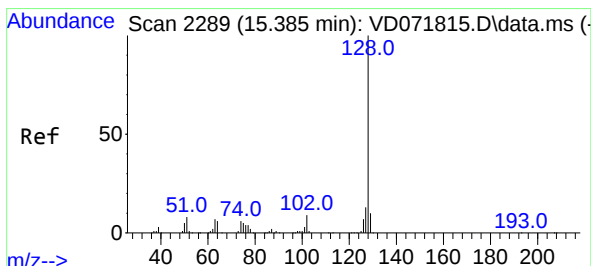
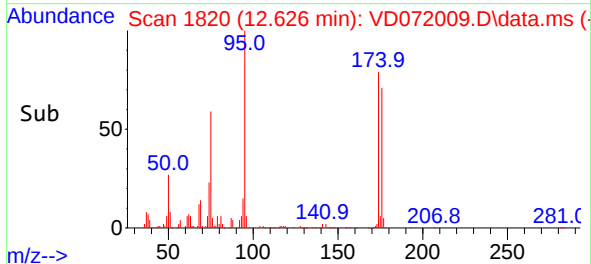
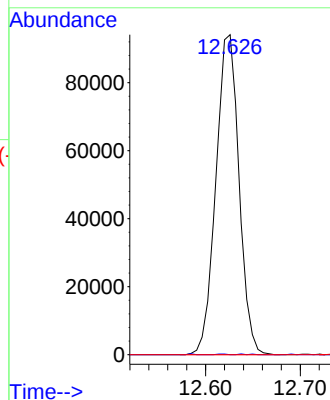
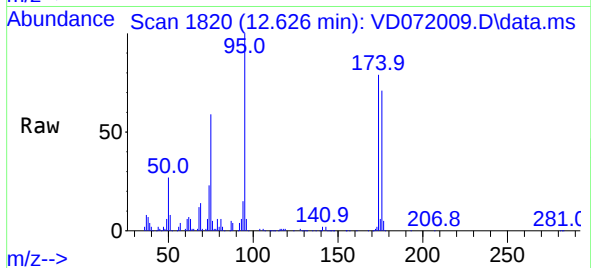




#81
trans-1,4-Dichloro-2-butene
Concen: 138.806 ug/l
RT: 12.626 min Scan# 11
Delta R.T. 0.106 min
Lab File: VD072009.D
Acq: 17 Feb 2022 13:07

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 159623
Ion Ratio Lower Upper
75 100
53 0.1 86.5 129.7#
89 0.0 33.9 50.9#



#95
Naphthalene
Concen: 1.746 ug/l
RT: 15.390 min Scan# 2290
Delta R.T. 0.006 min
Lab File: VD072009.D
Acq: 17 Feb 2022 13:07

Tgt Ion:128 Resp: 2803
Ion Ratio Lower Upper
128 100
127 6.3 10.3 15.5#
129 12.4 8.4 12.6

