

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD021622\
 Data File : VD072002.D
 Acq On : 16 Feb 2022 20:12
 Operator : VA/SY
 Sample : VIBLK
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VIBLK

Quant Time: Feb 17 00:51:48 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)

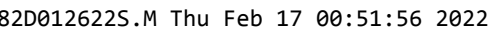
Internal Standards						
1) Pentafluorobenzene	7.979	168	381449	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	713192	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	681624	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	299026	50.000	ug/l	0.00

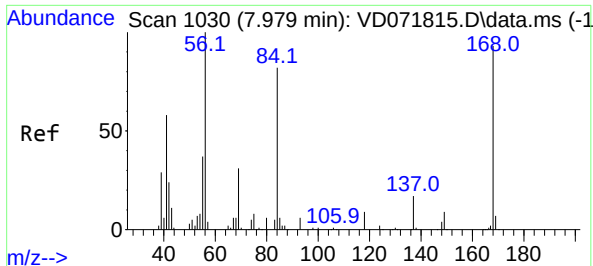
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	239132	49.599	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	99.200%
35) Dibromofluoromethane	7.914	113	212855	45.404	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	90.800%
50) Toluene-d8	10.338	98	896113	51.183	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	102.360%
62) 4-Bromofluorobenzene	12.626	95	312018	51.033	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	102.060%

Target Compounds					Qvalue	
11) Tert butyl alcohol	5.185	59	873	Below Cal	#	74
20) Methylene Chloride	4.967	84	6336	Below Cal	#	82
31) Cyclohexane	7.979	56	12270	1.333	ug/l #	5
36) 1,1-Dichloropropene	7.979	75	38652	4.804	ug/l #	51
38) Carbon Tetrachloride	7.979	117	44441	5.585	ug/l #	16
51) 4-Methyl-2-Pentanone	10.332	43	5180	1.472	ug/l #	1
71) Bromoform	12.620	173	3830	1.367	ug/l #	1
76) 1,2,3-Trichloropropane	12.620	75	180686	57.336	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	180686	140.976	ug/l #	7
95) Naphthalene	15.384	128	25647	3.851	ug/l	97

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

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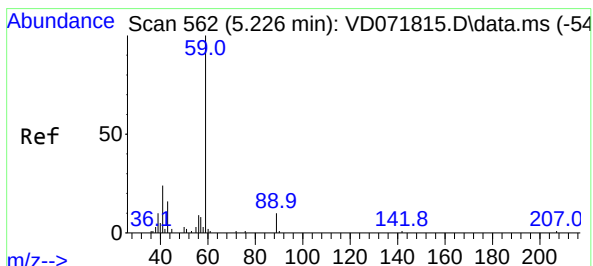
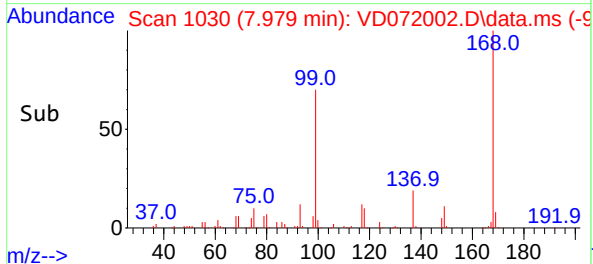
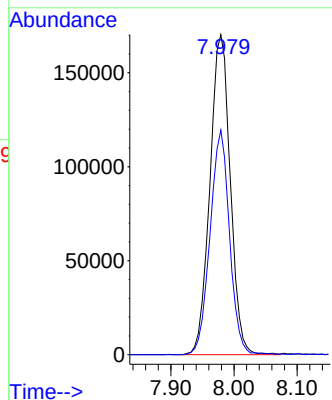
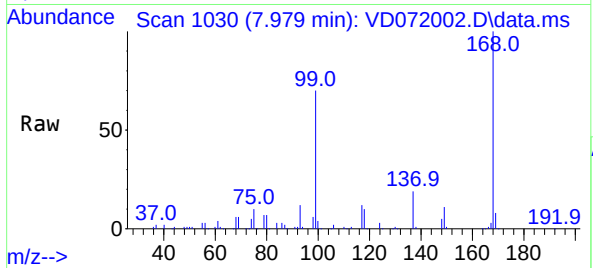




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD072002.D
Acq: 16 Feb 2022 20:12

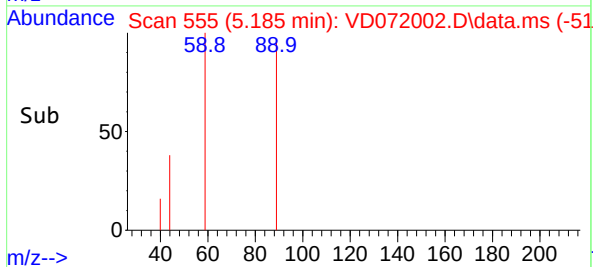
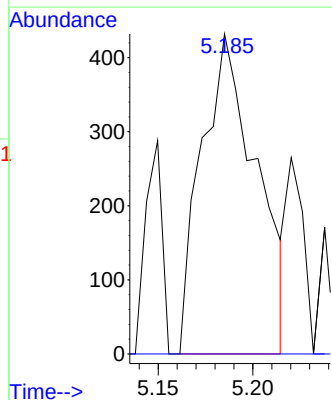
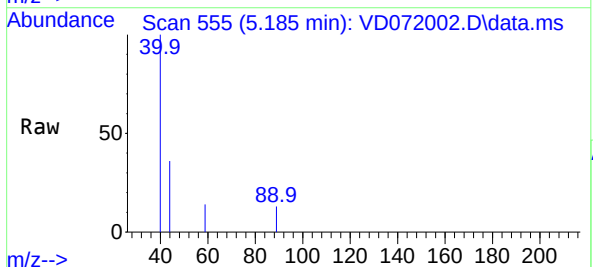
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

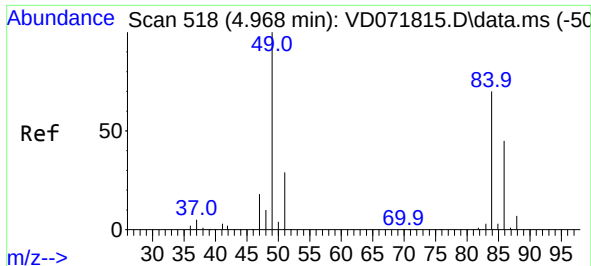
Tgt Ion:168 Resp: 381449
Ion Ratio Lower Upper
168 100
99 70.2 49.8 74.6



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.185 min Scan# 555
Delta R.T. -0.035 min
Lab File: VD072002.D
Acq: 16 Feb 2022 20:12

Tgt Ion: 59 Resp: 873
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#





#20

Methylene Chloride

Concen: Below Cal

RT: 4.967 min Scan# 51

Delta R.T. -0.000 min

Lab File: VD072002.D

Acq: 16 Feb 2022 20:12

Instrument :

MSVOA_D

ClientSampleId :

VIBLK

Tgt Ion: 84 Resp: 6336

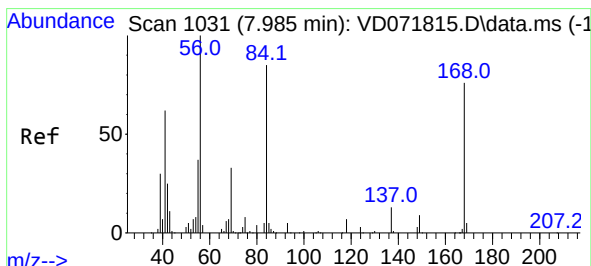
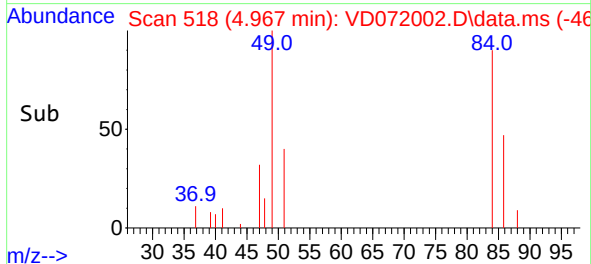
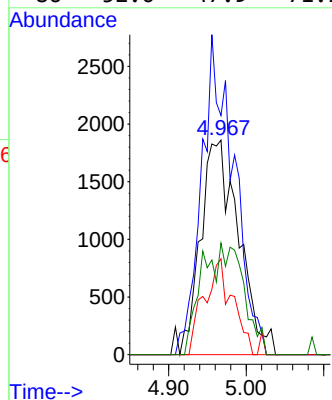
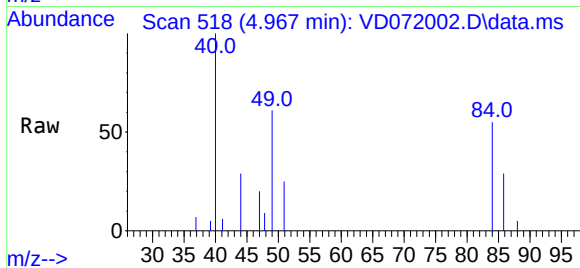
Ion Ratio Lower Upper

84 100

49 111.4 112.8 169.2#

51 44.7 32.6 48.8

86 52.0 47.9 71.9



#31

Cyclohexane

Concen: 1.333 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.006 min

Lab File: VD072002.D

Acq: 16 Feb 2022 20:12

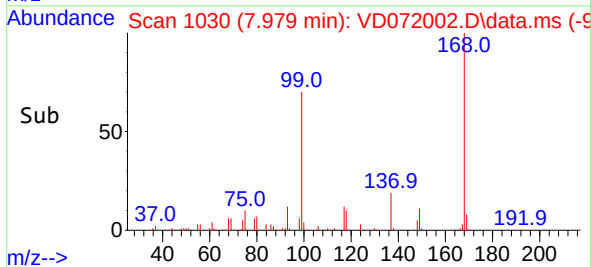
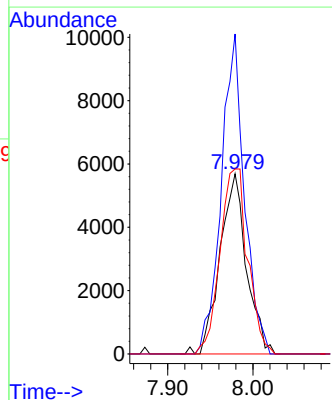
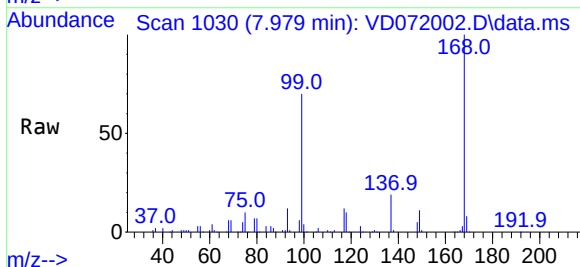
Tgt Ion: 56 Resp: 12270

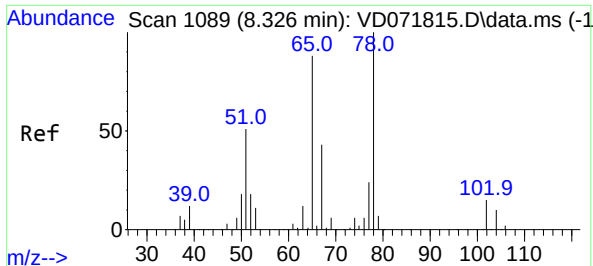
Ion Ratio Lower Upper

56 100

69 177.6 25.4 38.2#

84 102.7 63.0 94.4#





#33

1,2-Dichloroethane-d4

Concen: 49.599 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. -0.000 min

Lab File: VD072002.D

Acq: 16 Feb 2022 20:12

Instrument :

MSVOA_D

ClientSampleId :

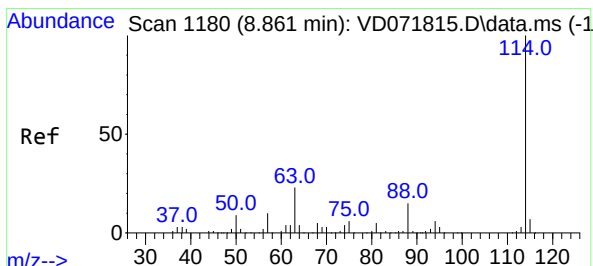
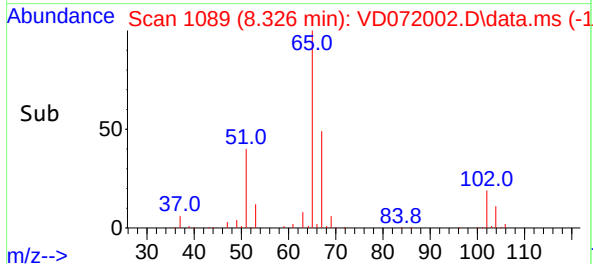
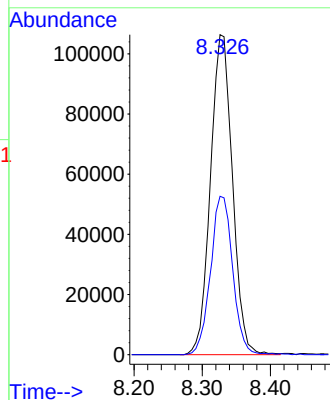
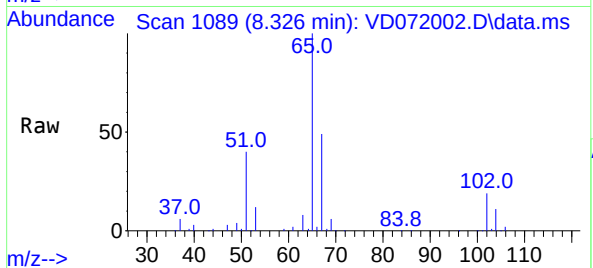
VIBLK

Tgt Ion: 65 Resp: 239132

Ion Ratio Lower Upper

65 100

67 49.7 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: VD072002.D

Acq: 16 Feb 2022 20:12

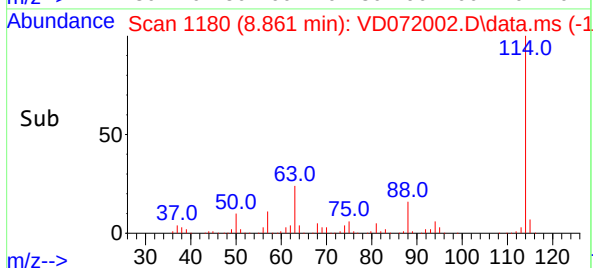
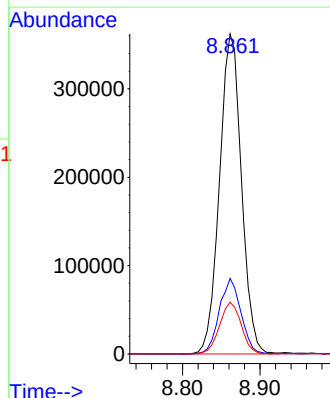
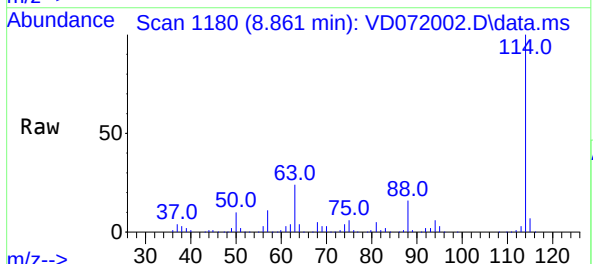
Tgt Ion: 114 Resp: 713192

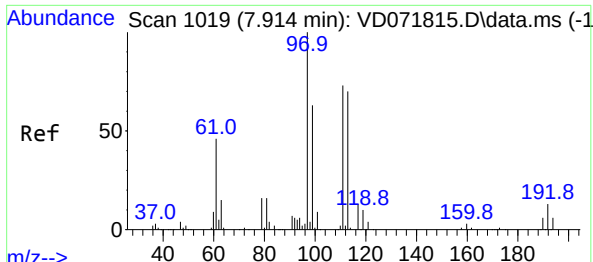
Ion Ratio Lower Upper

114 100

63 23.6 0.0 46.6

88 16.2 0.0 33.2

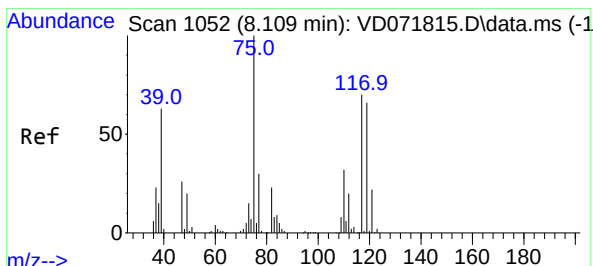
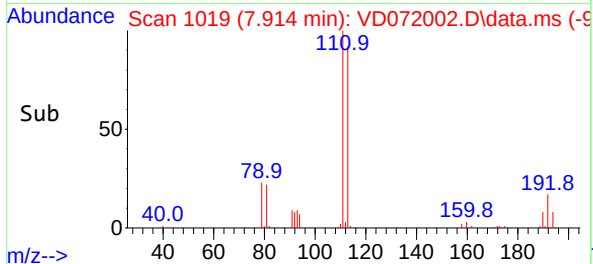
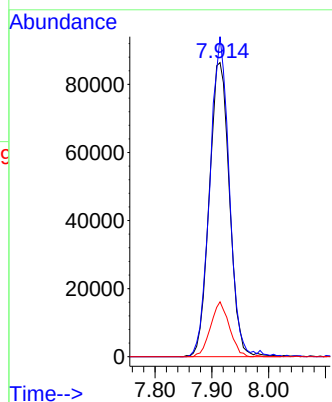
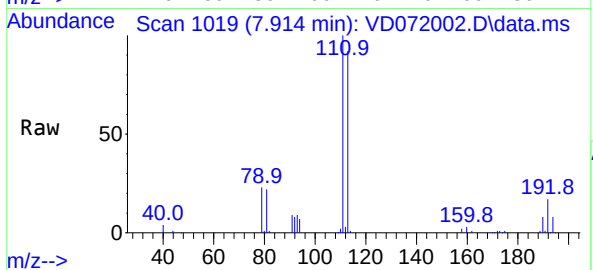




#35
Dibromofluoromethane
Concen: 45.404 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. -0.000 min
Lab File: VD072002.D
Acq: 16 Feb 2022 20:12

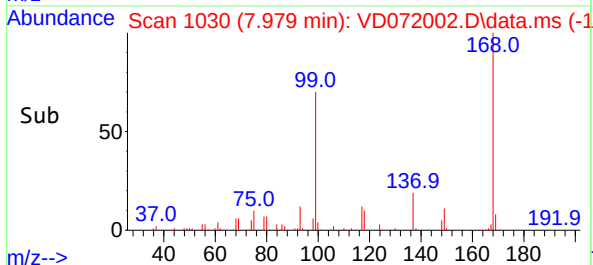
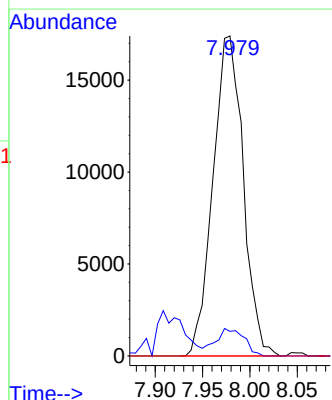
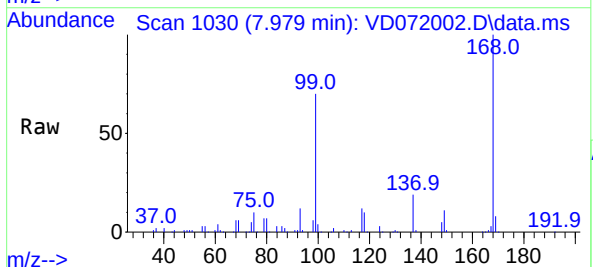
Instrument :
MSVOA_D
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VIBLK

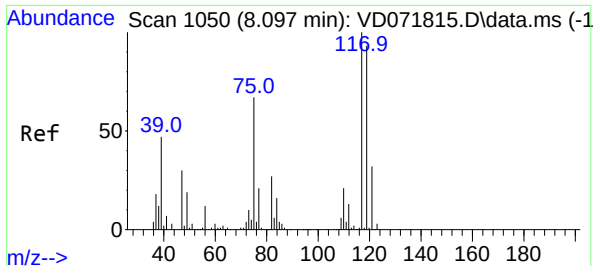
Tgt Ion:113 Resp: 212855
Ion Ratio Lower Upper
113 100
111 104.1 83.8 125.6
192 17.3 14.6 21.8



#36
1,1-Dichloropropene
Concen: 4.804 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.135 min
Lab File: VD072002.D
Acq: 16 Feb 2022 20:12

Tgt Ion: 75 Resp: 38652
Ion Ratio Lower Upper
75 100
110 8.0 16.4 49.1#
77 0.0 24.2 36.2#

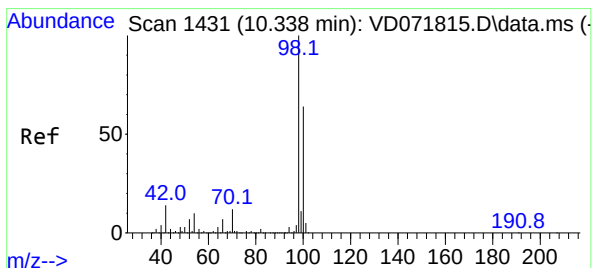
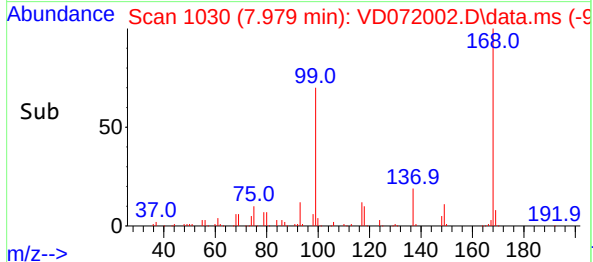
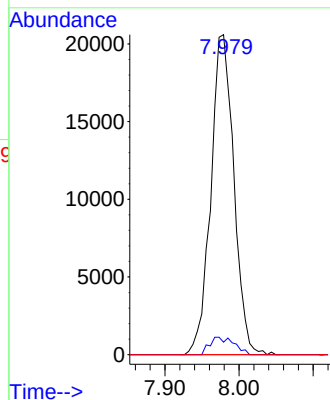
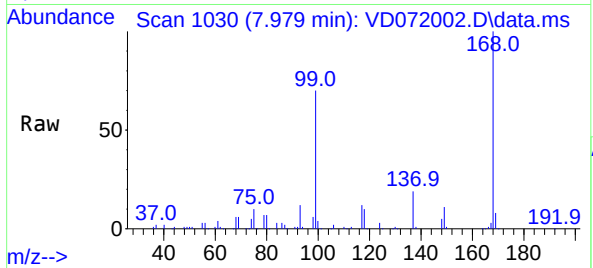




#38
Carbon Tetrachloride
Concen: 5.585 ug/l
RT: 7.979 min Scan# 1050
Delta R.T. -0.118 min
Lab File: VD072002.D
Acq: 16 Feb 2022 20:12

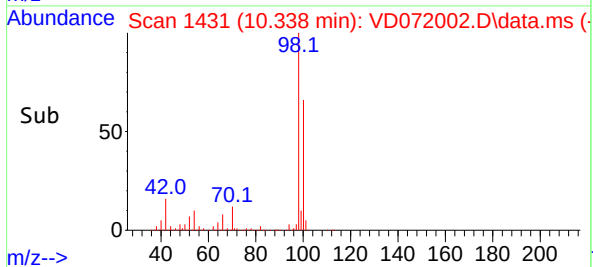
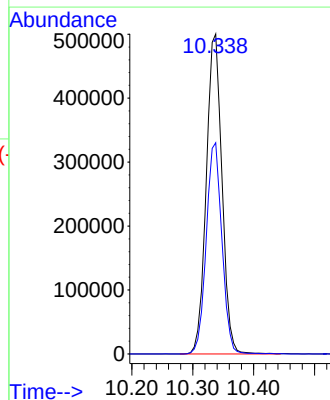
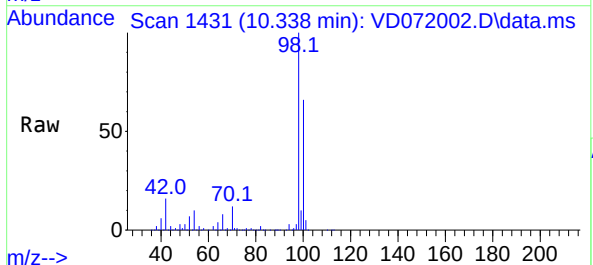
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

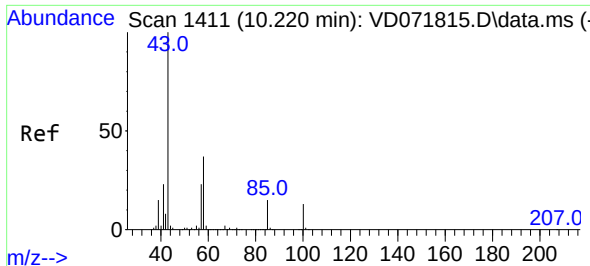
Tgt Ion:117 Resp: 44441
Ion Ratio Lower Upper
117 100
119 3.9 75.8 113.6#
121 0.0 24.5 36.7#



#50
Toluene-d8
Concen: 51.183 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD072002.D
Acq: 16 Feb 2022 20:12

Tgt Ion: 98 Resp: 896113
Ion Ratio Lower Upper
98 100
100 65.9 52.4 78.6

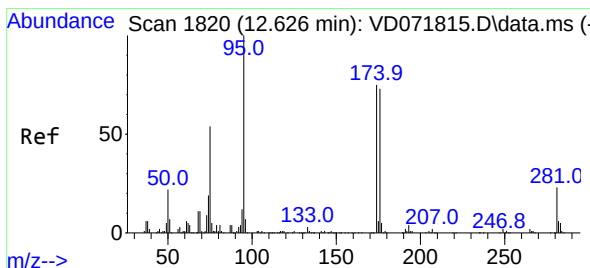
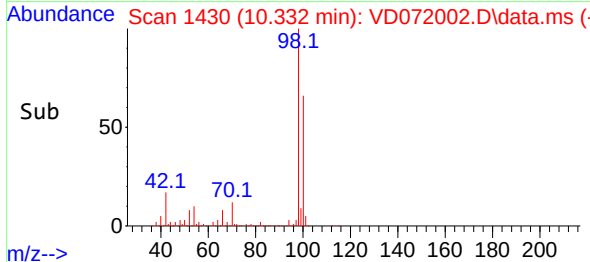
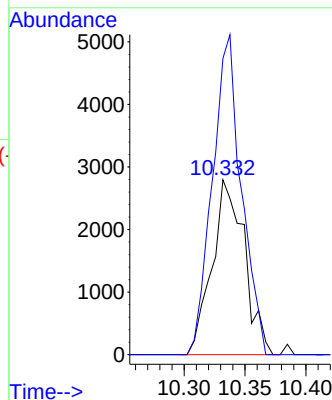
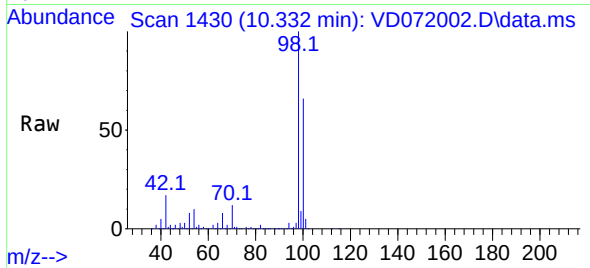




#51
4-Methyl-2-Pentanone
Concen: 1.472 ug/l
RT: 10.332 min Scan# 1411
Delta R.T. 0.106 min
Lab File: VD072002.D
Acq: 16 Feb 2022 20:12

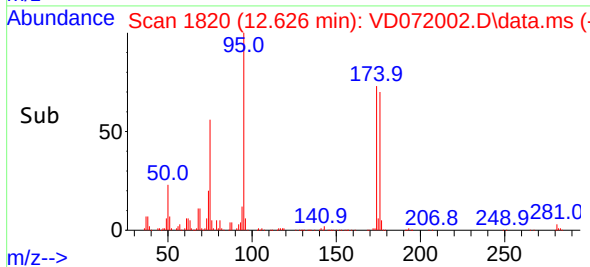
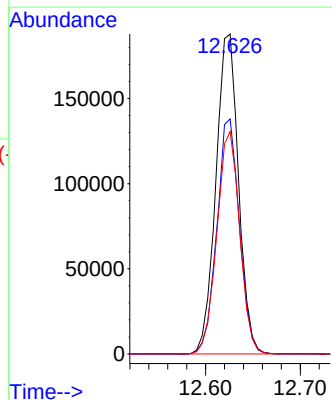
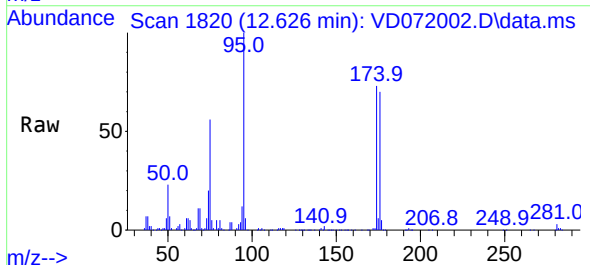
Instrument :
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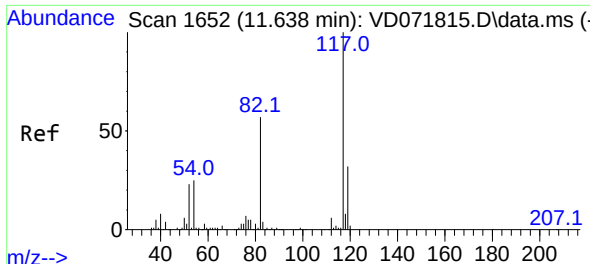
Tgt Ion: 43 Resp: 5180
Ion Ratio Lower Upper
43 100
58 164.2 28.6 43.0#



#62
4-Bromofluorobenzene
Concen: 51.033 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD072002.D
Acq: 16 Feb 2022 20:12

Tgt Ion: 95 Resp: 312018
Ion Ratio Lower Upper
95 100
174 73.3 0.0 152.8
176 69.9 0.0 145.4

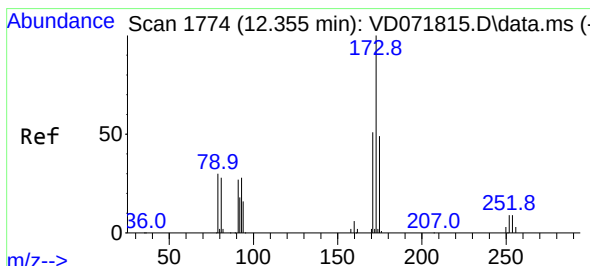
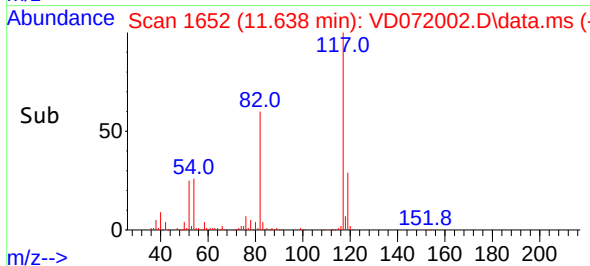
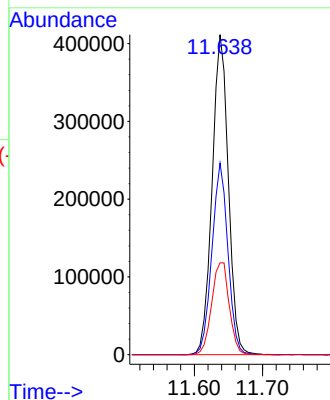
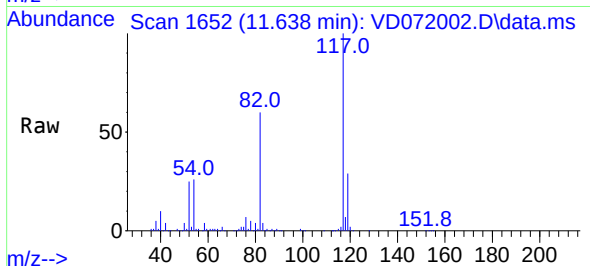




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1170
Delta R.T. -0.000 min
Lab File: VD072002.D
Acq: 16 Feb 2022 20:12

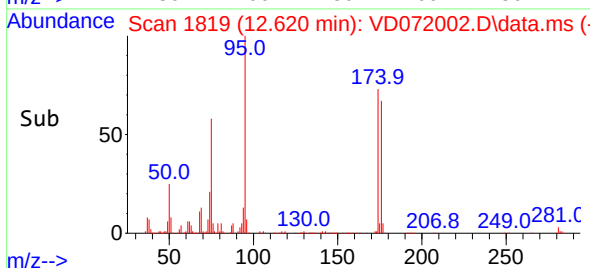
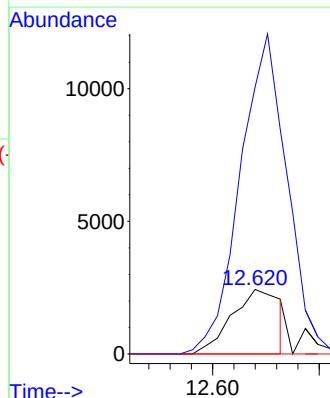
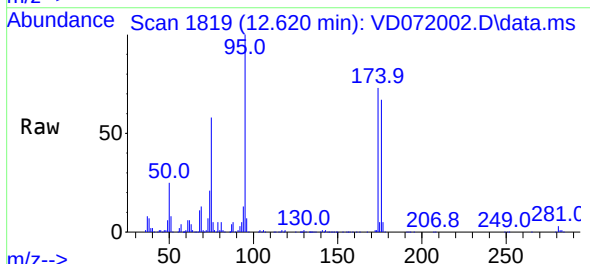
Instrument :
MSVOA_D
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VIBLK

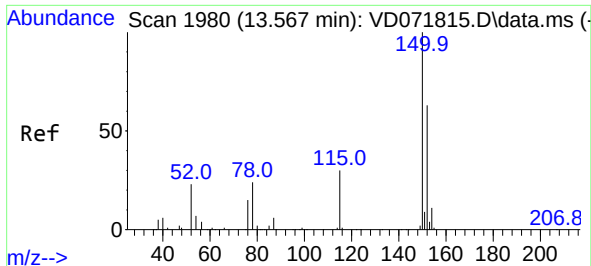
Tgt Ion:117 Resp: 681624
Ion Ratio Lower Upper
117 100
82 59.9 45.3 67.9
119 28.7 26.6 40.0



#71
Bromoform
Concen: 1.367 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.265 min
Lab File: VD072002.D
Acq: 16 Feb 2022 20:12

Tgt Ion:173 Resp: 3830
Ion Ratio Lower Upper
173 100
175 408.3 23.9 71.8#
254 0.0 0.0 0.0

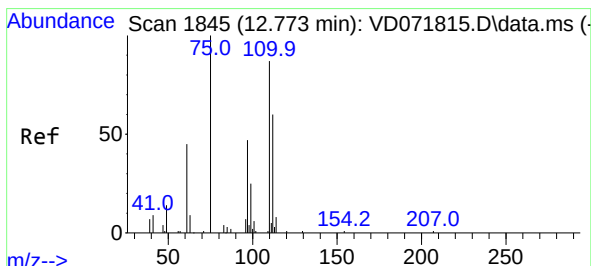
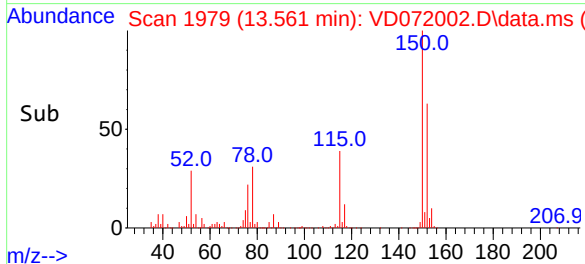
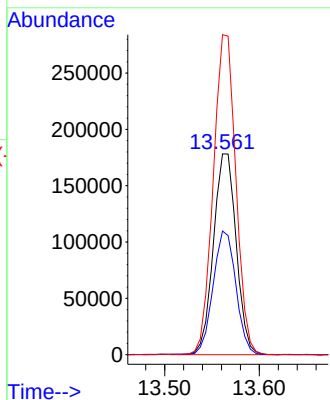
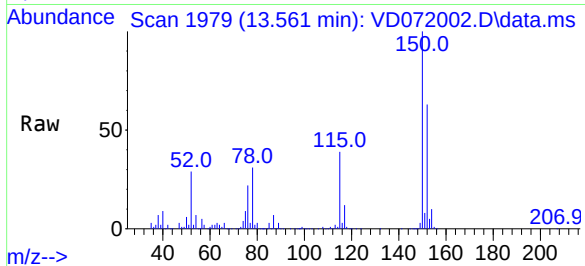




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD072002.D
Acq: 16 Feb 2022 20:12

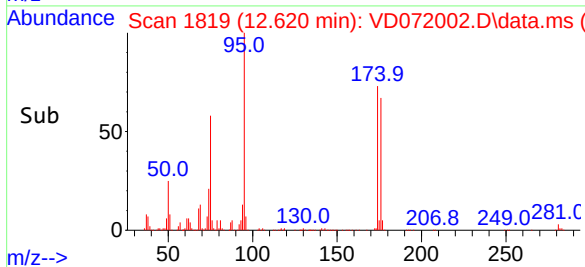
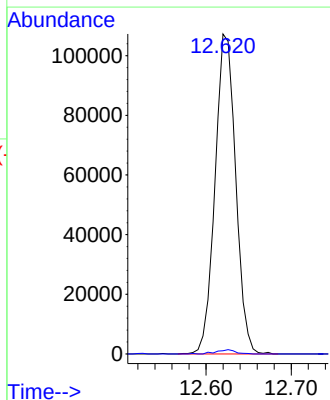
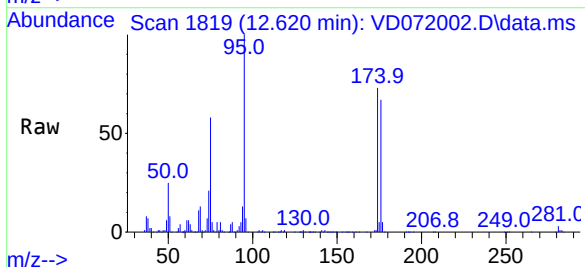
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

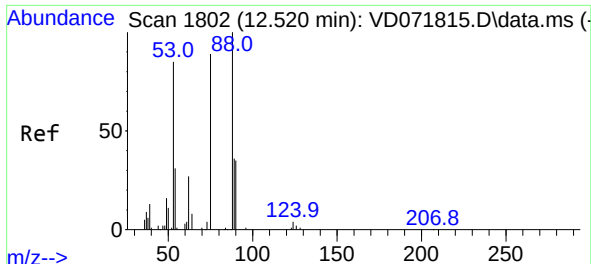
Tgt Ion:152 Resp: 299026
Ion Ratio Lower Upper
152 100
115 61.7 31.3 93.8
150 157.8 0.0 348.6



#76
1,2,3-Trichloropropane
Concen: 57.336 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD072002.D
Acq: 16 Feb 2022 20:12

Tgt Ion: 75 Resp: 180686
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#

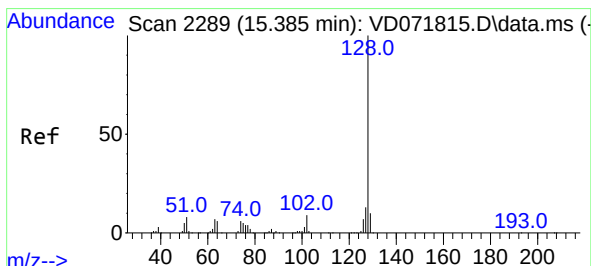
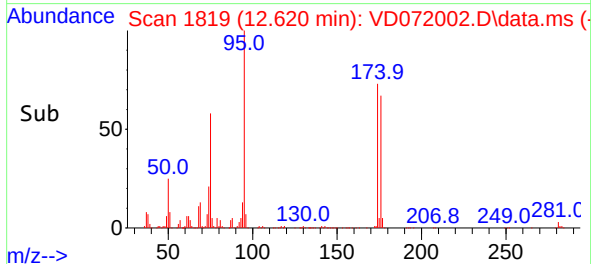
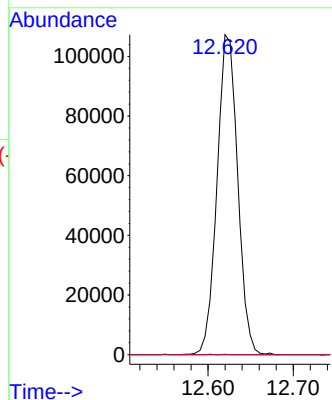
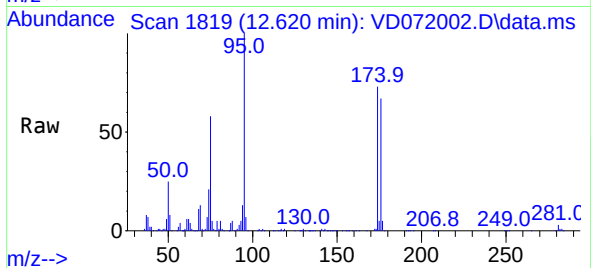




#81
trans-1,4-Dichloro-2-butene
Concen: 140.976 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.100 min
Lab File: VD072002.D
Acq: 16 Feb 2022 20:12

Instrument :
MSVOA_D
ClientSampleId :
VIBLK

Tgt Ion: 75 Resp: 180686
Ion Ratio Lower Upper
75 100
53 0.0 86.5 129.7#
89 0.0 33.9 50.9#



#95
Naphthalene
Concen: 3.851 ug/l
RT: 15.384 min Scan# 2289
Delta R.T. -0.000 min
Lab File: VD072002.D
Acq: 16 Feb 2022 20:12

Tgt Ion:128 Resp: 25647
Ion Ratio Lower Upper
128 100
127 14.8 10.3 15.5
129 11.1 8.4 12.6

