

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD032222\
 Data File : VD072361.D
 Acq On : 22 Mar 2022 14:10
 Operator : VA/SY
 Sample : N1968-03
 Misc : 5.09G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 G-2-4-5-6

Quant Time: Mar 23 01:12:20 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031122S.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 14 05:18:06 2022
 Response via : Initial Calibration

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

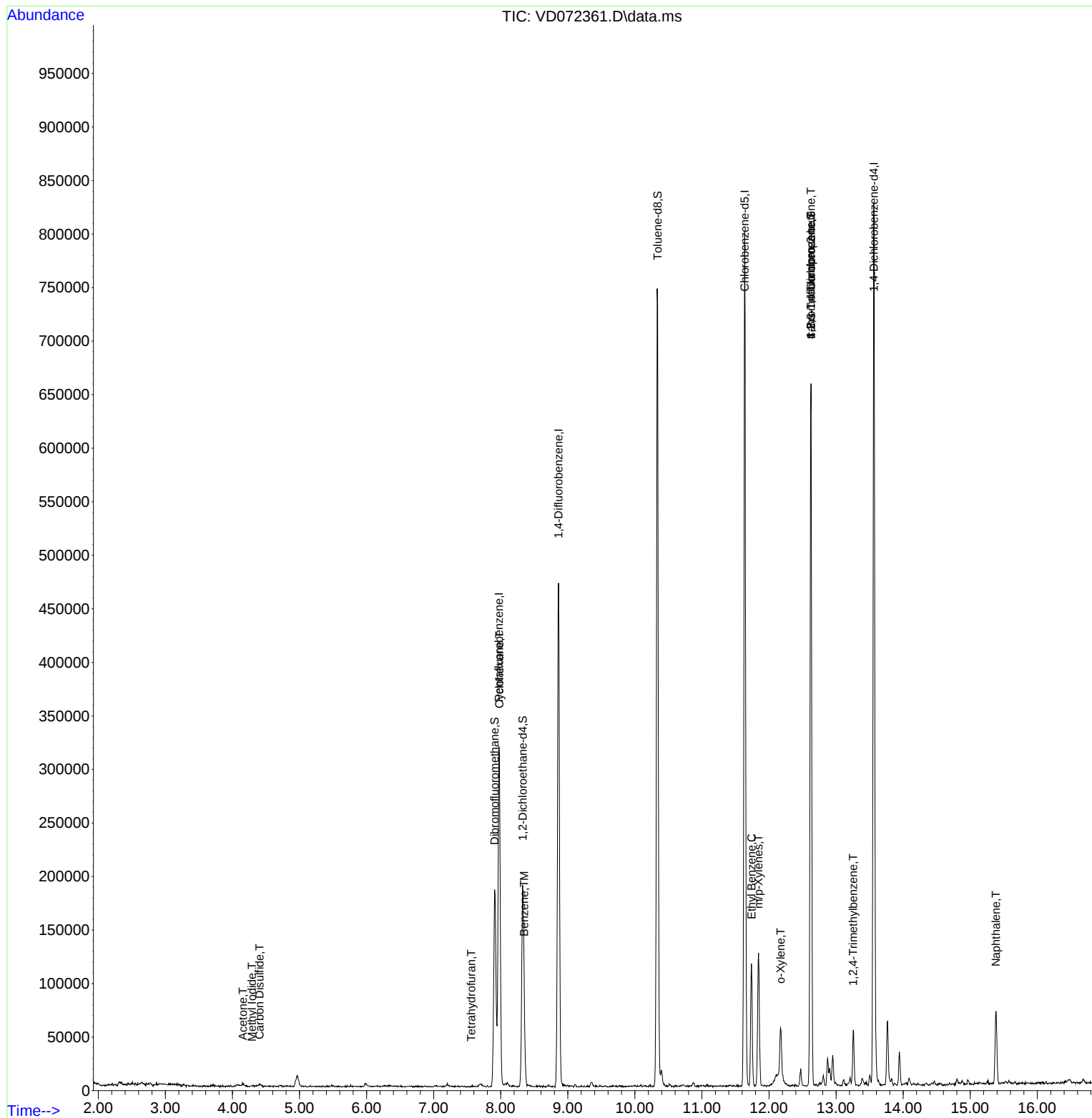
Internal Standards						
1) Pentafluorobenzene	7.973	168	227689	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	393577	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	444668	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	213269	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	137142	54.047	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 108.100%	
35) Dibromofluoromethane	7.909	113	132140	47.710	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 95.420%	
50) Toluene-d8	10.338	98	499804	49.353	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 98.700%	
62) 4-Bromofluorobenzene	12.626	95	220838	56.122	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 112.240%	
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.291	142	266	2.336	ug/l #	87
16) Acetone	4.156	43	2284	4.146	ug/l	96
17) Carbon Disulfide	4.403	76	4495	2.394	ug/l #	74
20) Methylene Chloride	4.967	84	7437	Below Cal	#	72
29) Tetrahydrofuran	7.561	42	435	1.007	ug/l #	64
31) Cyclohexane	7.979	56	6813	1.719	ug/l #	1
40) Benzene	8.350	78	40423	3.647	ug/l	92
67) Ethyl Benzene	11.738	91	79114	4.493	ug/l	97
68) m/p-Xylenes	11.844	106	36977	5.531	ug/l	98
69) o-Xylene	12.173	106	12765	1.996	ug/l	93
76) 1,2,3-Trichloropropane	12.626	75	113297	48.159	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.626	75	113297	119.488	ug/l #	7
84) 1,2,4-Trimethylbenzene	13.255	105	27788	1.942	ug/l	99
95) Naphthalene	15.385	128	59163	7.458	ug/l	98

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

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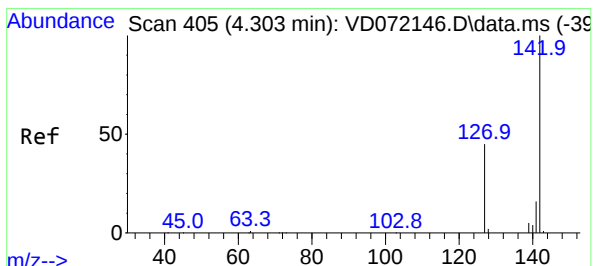
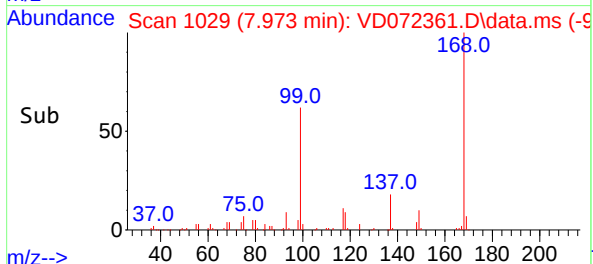
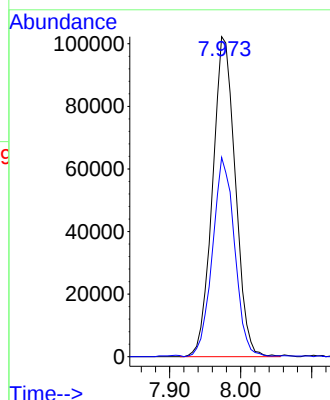
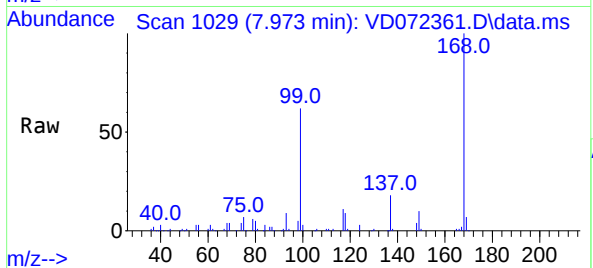




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD072361.D
Acq: 22 Mar 2022 14:10

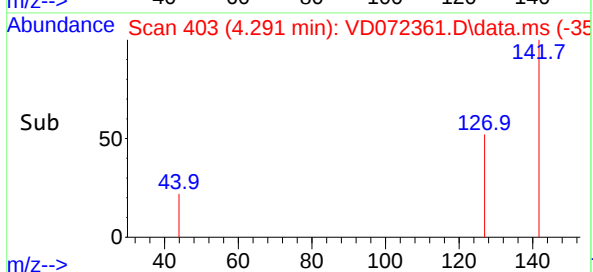
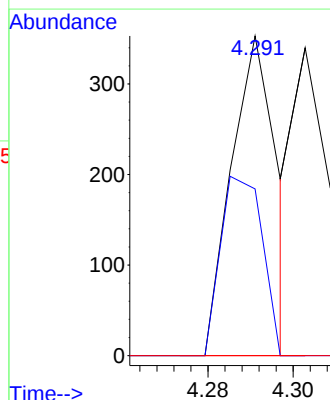
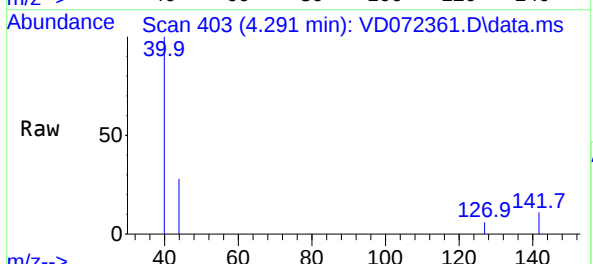
Instrument :
MSVOA_D
ClientSampleId :
G-2-4-5-6

Tgt Ion:168 Resp: 227689
Ion Ratio Lower Upper
168 100
99 62.0 49.8 74.6



#10
Methyl Iodide
Concen: 2.336 ug/l
RT: 4.291 min Scan# 403
Delta R.T. -0.012 min
Lab File: VD072361.D
Acq: 22 Mar 2022 14:10

Tgt Ion:142 Resp: 266
Ion Ratio Lower Upper
142 100
127 50.8 37.3 55.9
141 0.0 11.7 17.5#

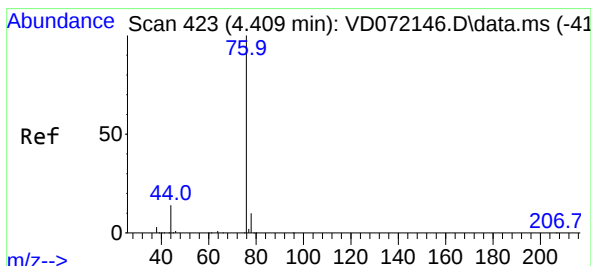
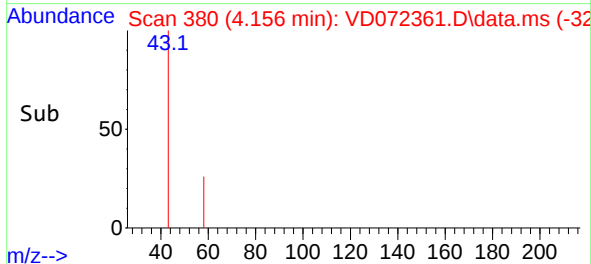
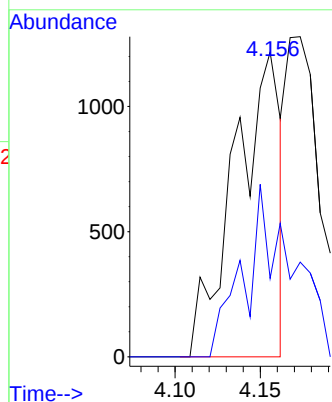
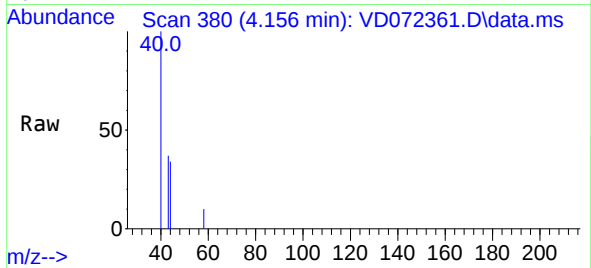




#16
Acetone
Concen: 4.146 ug/l
RT: 4.156 min Scan# 380
Delta R.T. 0.000 min
Lab File: VD072361.D
Acq: 22 Mar 2022 14:10

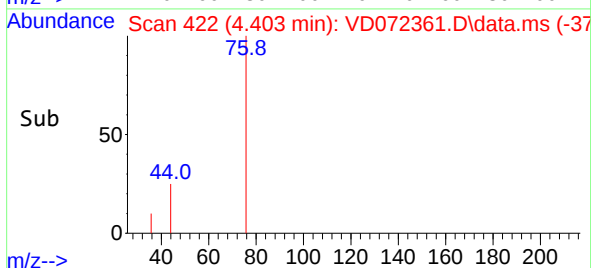
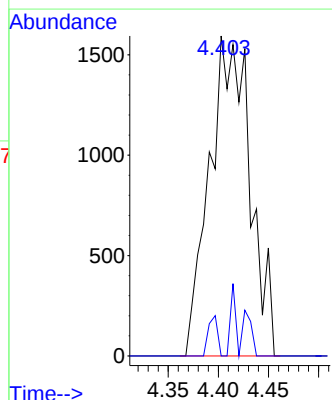
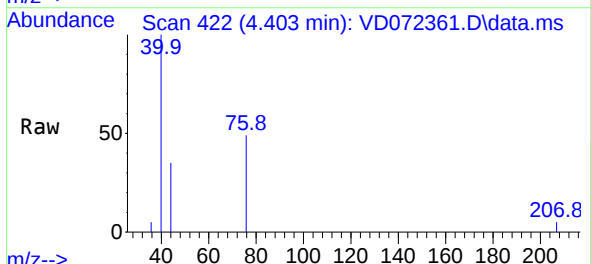
Instrument :
MSVOA_D
ClientSampleId :
G-2-4-5-6

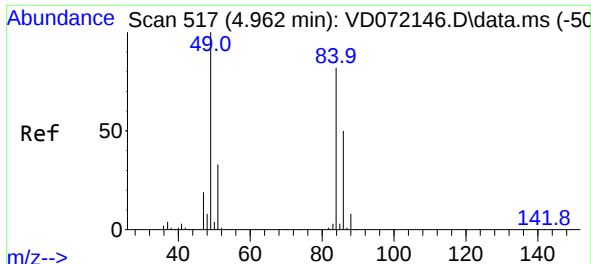
Tgt Ion: 43 Resp: 2284
Ion Ratio Lower Upper
43 100
58 25.7 22.1 33.1



#17
Carbon Disulfide
Concen: 2.394 ug/l
RT: 4.403 min Scan# 422
Delta R.T. -0.006 min
Lab File: VD072361.D
Acq: 22 Mar 2022 14:10

Tgt Ion: 76 Resp: 4495
Ion Ratio Lower Upper
76 100
78 0.0 7.5 11.3#





#20

Methylene Chloride

Concen: Below Cal

RT: 4.967 min Scan# 517

Delta R.T. 0.005 min

Lab File: VD072361.D

Acq: 22 Mar 2022 14:10

Instrument :

MSVOA_D

ClientSampleId :

G-2-4-5-6

Tgt Ion: 84 Resp: 7437

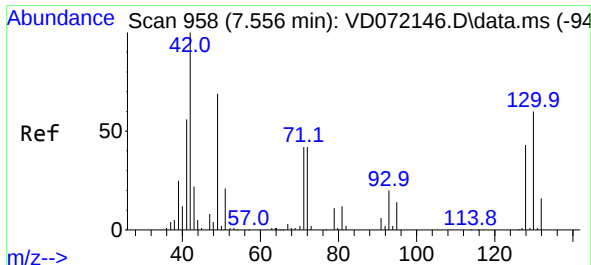
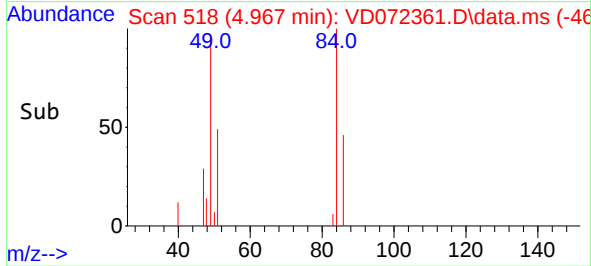
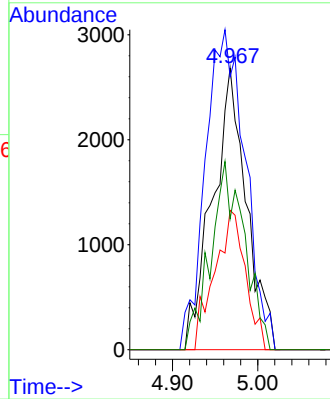
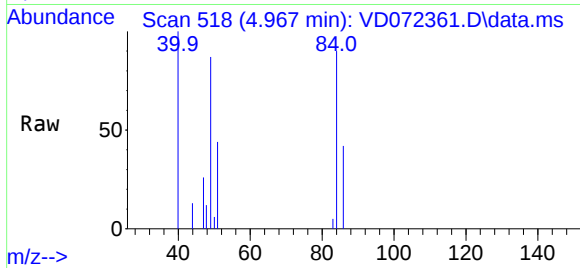
Ion Ratio Lower Upper

84 100

49 96.9 112.8 169.2#

51 49.4 32.6 48.8#

86 46.5 47.9 71.9#



#29

Tetrahydrofuran

Concen: 1.007 ug/l

RT: 7.561 min Scan# 959

Delta R.T. 0.006 min

Lab File: VD072361.D

Acq: 22 Mar 2022 14:10

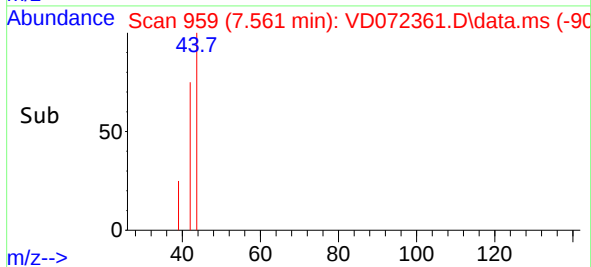
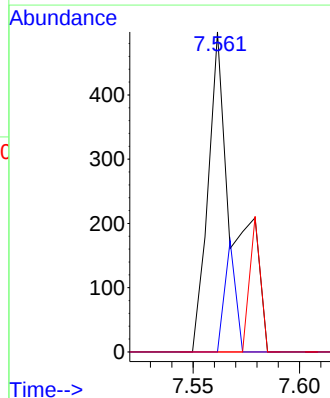
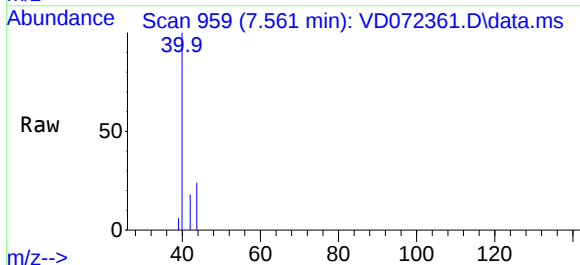
Tgt Ion: 42 Resp: 435

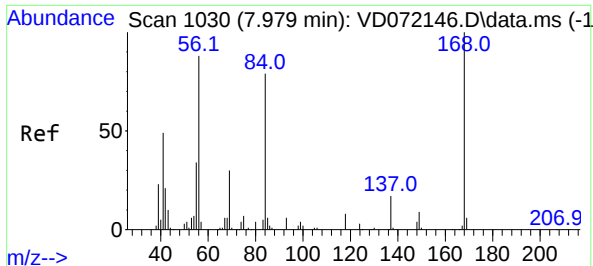
Ion Ratio Lower Upper

42 100

72 14.0 30.7 46.1#

71 17.0 28.6 43.0#

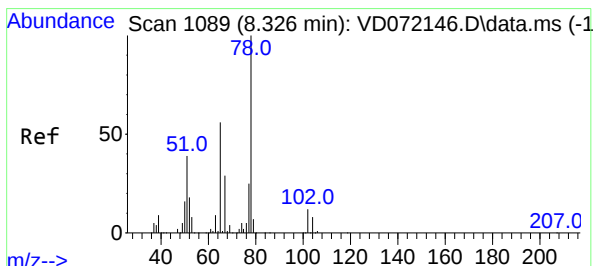
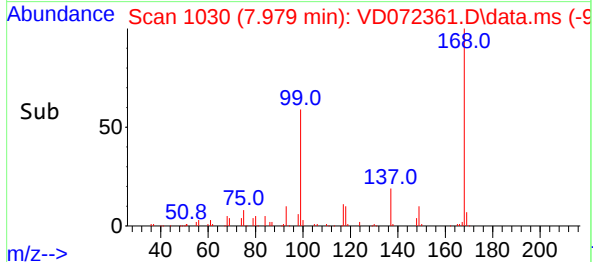
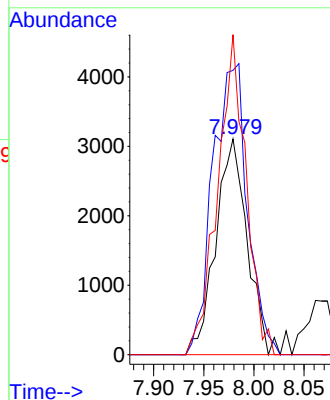
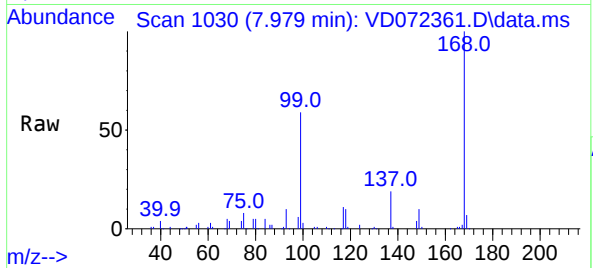




#31
Cyclohexane
Concen: 1.719 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD072361.D
Acq: 22 Mar 2022 14:10

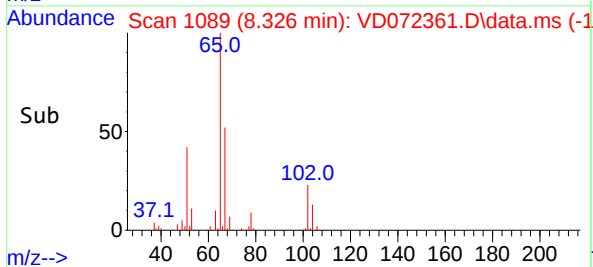
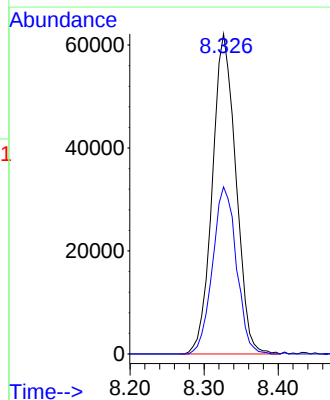
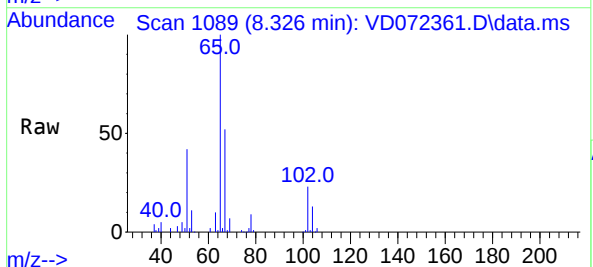
Instrument :
MSVOA_D
ClientSampleId :
G-2-4-5-6

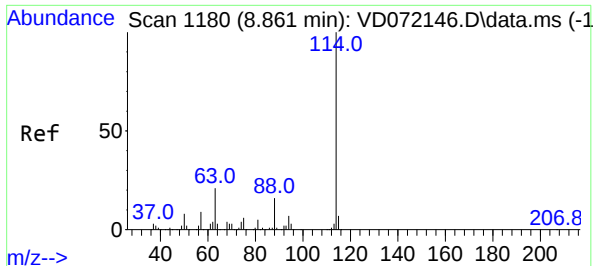
Tgt Ion: 56 Resp: 6813
Ion Ratio Lower Upper
56 100
69 131.8 25.4 38.2#
84 148.3 63.0 94.4#



#33
1,2-Dichloroethane-d4
Concen: 54.047 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD072361.D
Acq: 22 Mar 2022 14:10

Tgt Ion: 65 Resp: 137142
Ion Ratio Lower Upper
65 100
67 52.8 0.0 101.4

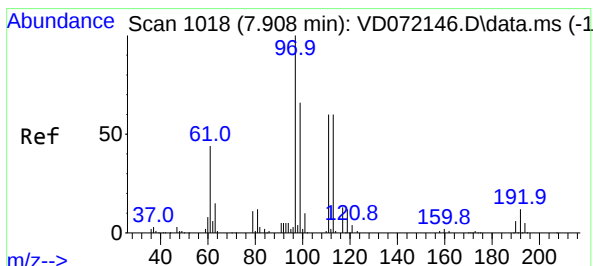
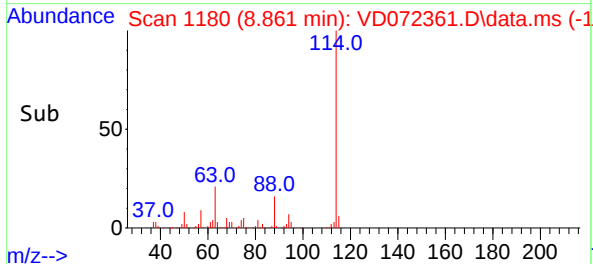
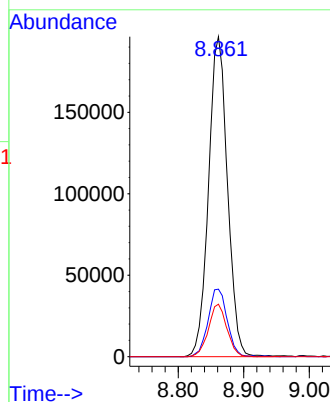
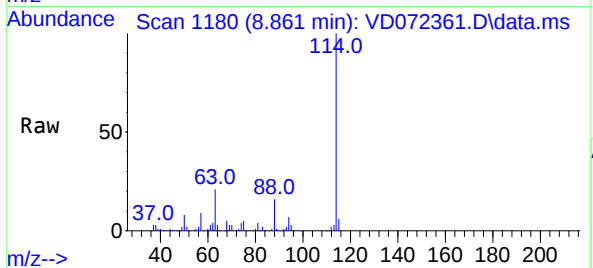




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD072361.D
Acq: 22 Mar 2022 14:10

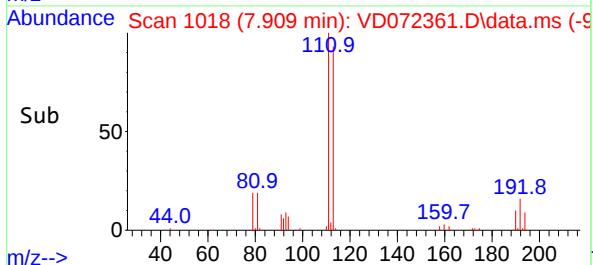
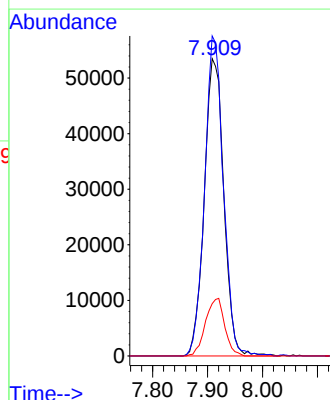
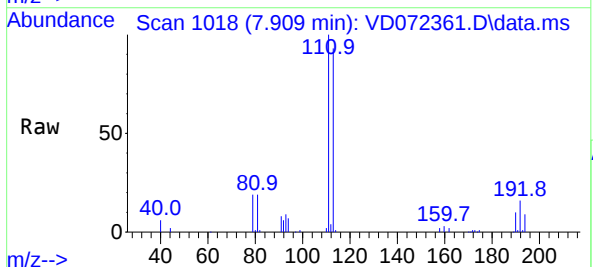
Instrument :
MSVOA_D
ClientSampleId :
G-2-4-5-6

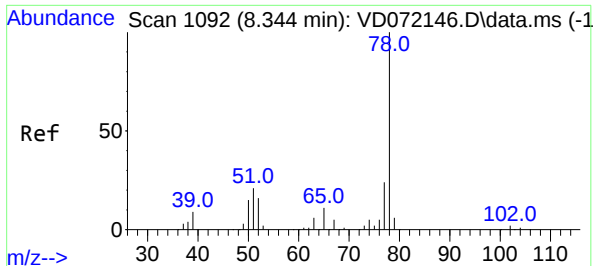
Tgt Ion:114 Resp: 393577
Ion Ratio Lower Upper
114 100
63 21.1 0.0 46.6
88 16.4 0.0 33.2



#35
Dibromofluoromethane
Concen: 47.710 ug/l
RT: 7.909 min Scan# 1018
Delta R.T. 0.000 min
Lab File: VD072361.D
Acq: 22 Mar 2022 14:10

Tgt Ion:113 Resp: 132140
Ion Ratio Lower Upper
113 100
111 103.2 83.8 125.6
192 19.0 14.6 21.8

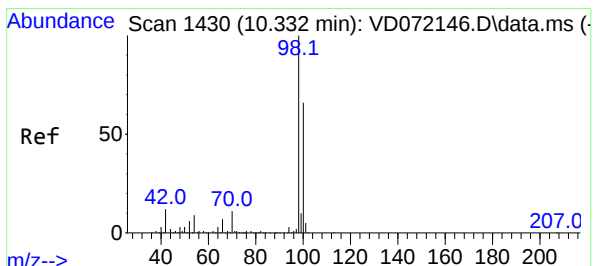
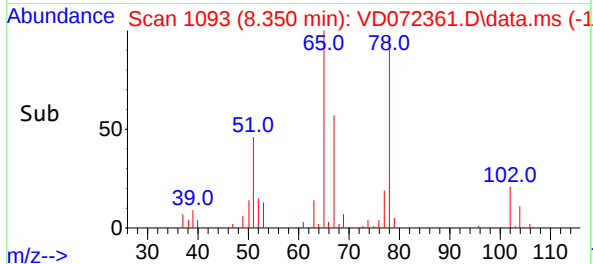
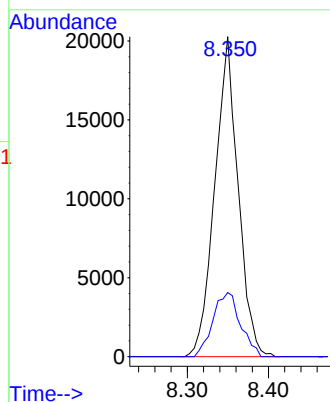
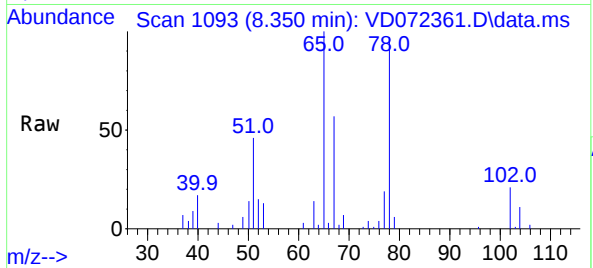




#40
Benzene
Concen: 3.647 ug/l
RT: 8.350 min Scan# 1092
Delta R.T. 0.006 min
Lab File: VD072361.D
Acq: 22 Mar 2022 14:10

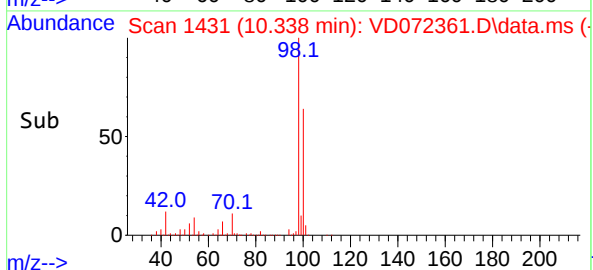
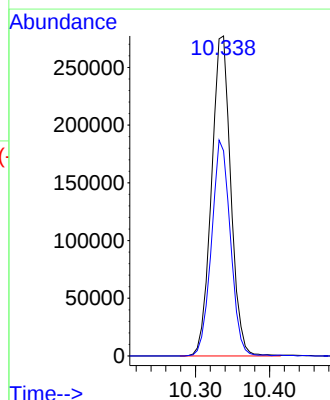
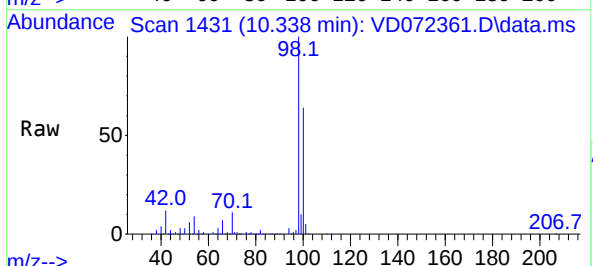
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G-2-4-5-6

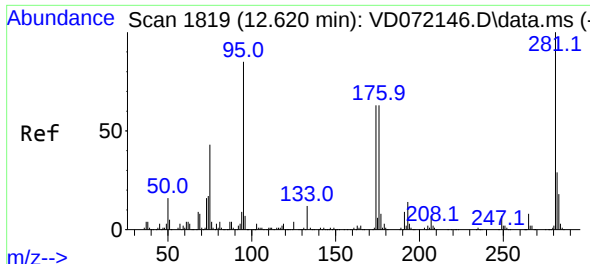
Tgt Ion: 78 Resp: 40423
Ion Ratio Lower Upper
78 100
77 20.1 19.1 28.7



#50
Toluene-d8
Concen: 49.353 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.006 min
Lab File: VD072361.D
Acq: 22 Mar 2022 14:10

Tgt Ion: 98 Resp: 499804
Ion Ratio Lower Upper
98 100
100 66.2 52.4 78.6

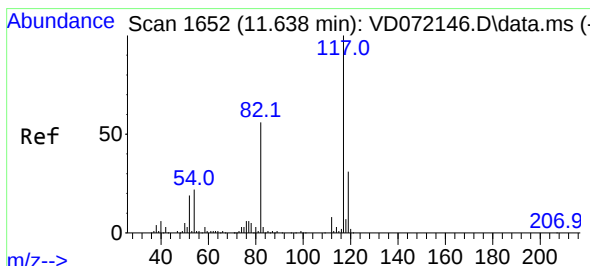
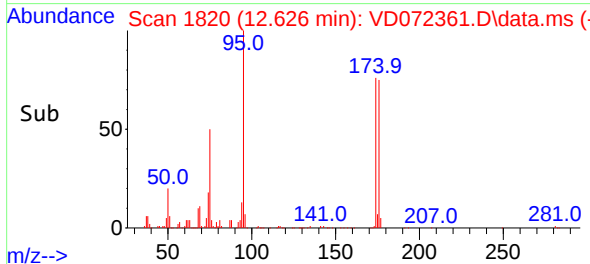
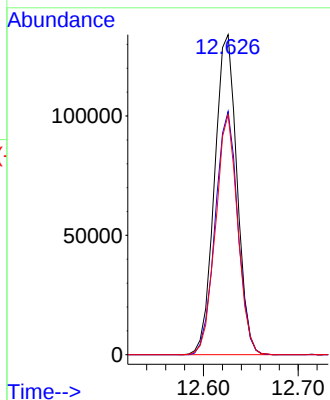
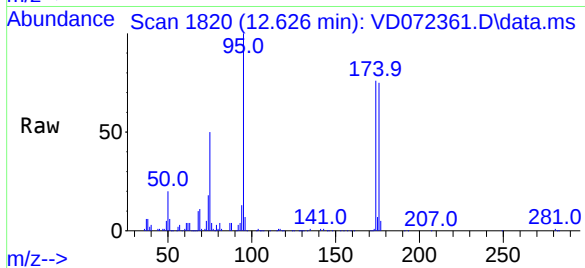




#62
4-Bromofluorobenzene
Concen: 56.122 ug/l
RT: 12.626 min Scan# 1819
Delta R.T. 0.006 min
Lab File: VD072361.D
Acq: 22 Mar 2022 14:10

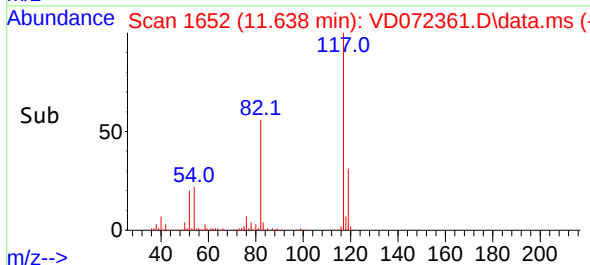
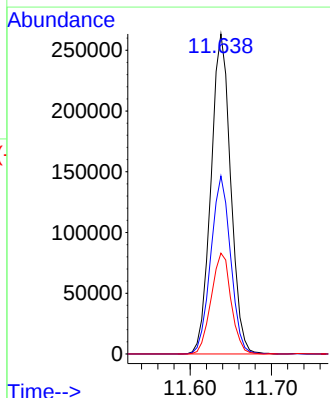
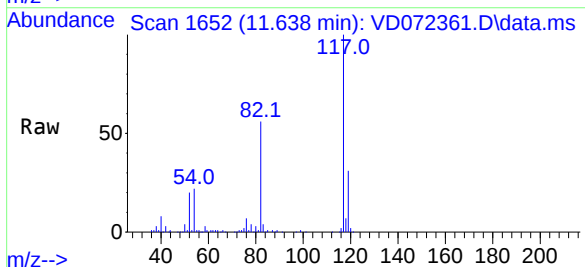
Instrument :
MSVOA_D
ClientSampleId :
G-2-4-5-6

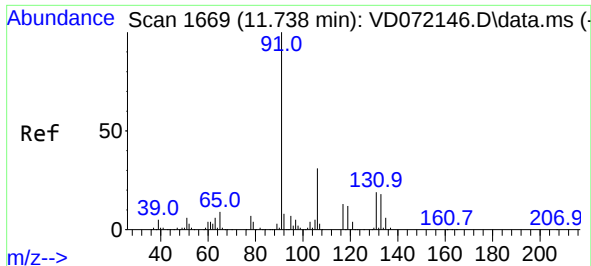
Tgt Ion: 95 Resp: 220838
Ion Ratio Lower Upper
95 100
174 76.3 0.0 152.8
176 73.6 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD072361.D
Acq: 22 Mar 2022 14:10

Tgt Ion: 117 Resp: 444668
Ion Ratio Lower Upper
117 100
82 55.6 45.3 67.9
119 31.5 26.6 40.0

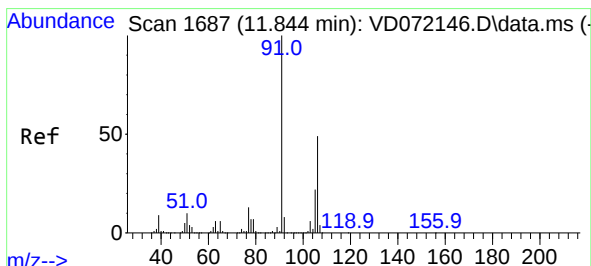
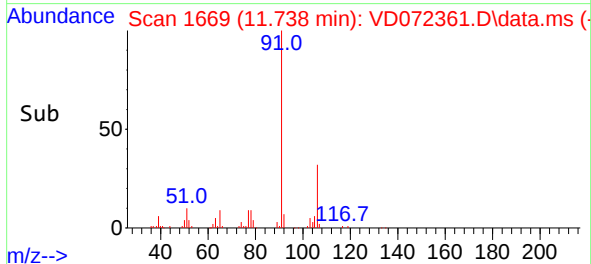
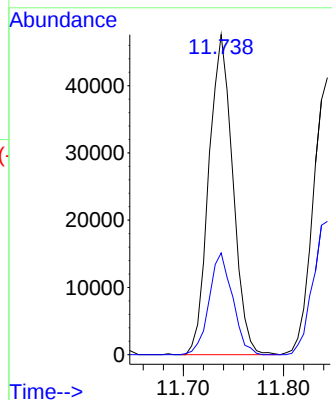
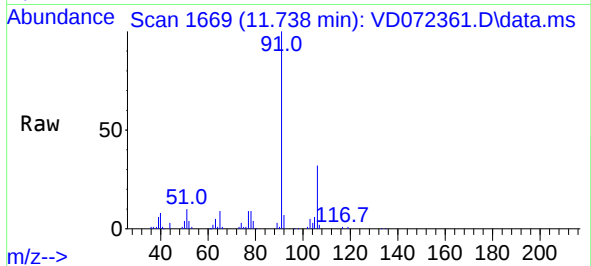




#67
Ethyl Benzene
Concen: 4.493 ug/l
RT: 11.738 min Scan# 1669
Delta R.T. 0.000 min
Lab File: VD072361.D
Acq: 22 Mar 2022 14:10

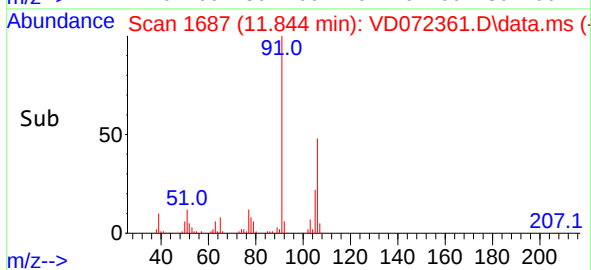
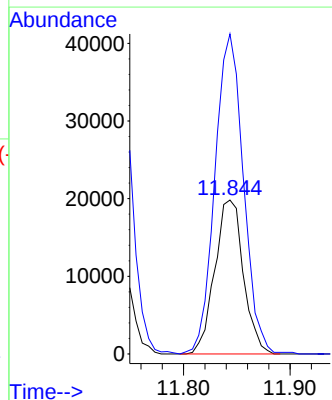
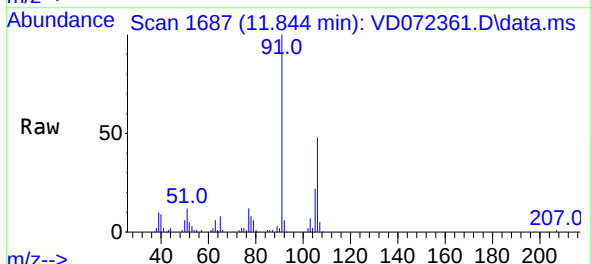
Instrument :
MSVOA_D
ClientSampleId :
G-2-4-5-6

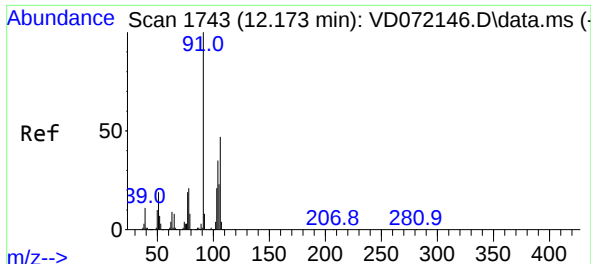
Tgt Ion: 91 Resp: 79114
Ion Ratio Lower Upper
91 100
106 31.8 24.2 36.4



#68
m/p-Xylenes
Concen: 5.531 ug/l
RT: 11.844 min Scan# 1687
Delta R.T. 0.000 min
Lab File: VD072361.D
Acq: 22 Mar 2022 14:10

Tgt Ion: 106 Resp: 36977
Ion Ratio Lower Upper
106 100
91 207.3 163.7 245.5

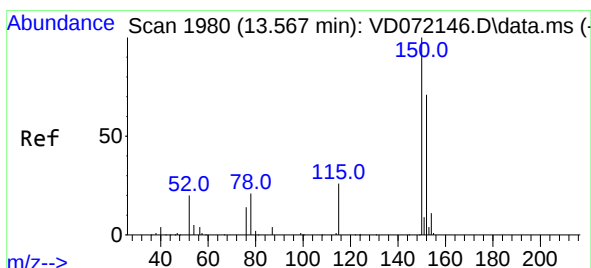
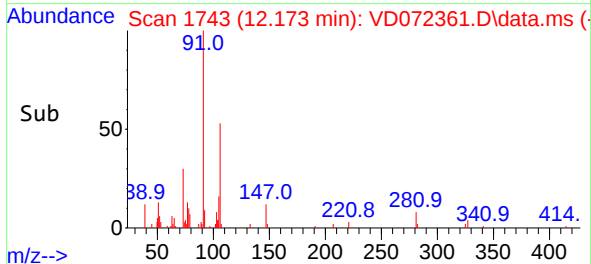
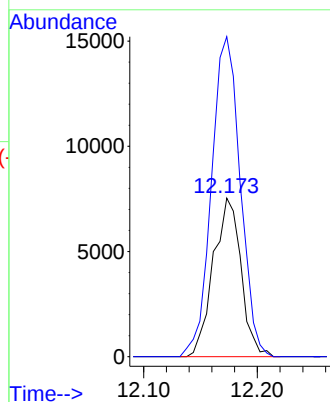
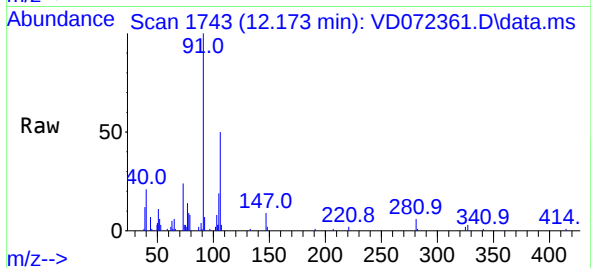




#69
o-Xylene
Concen: 1.996 ug/l
RT: 12.173 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD072361.D
Acq: 22 Mar 2022 14:10

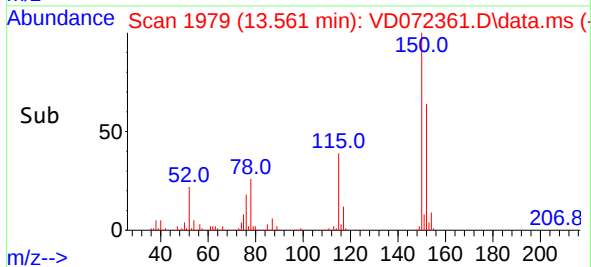
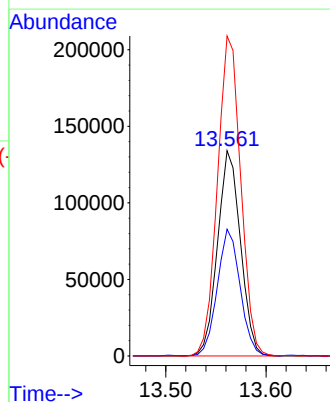
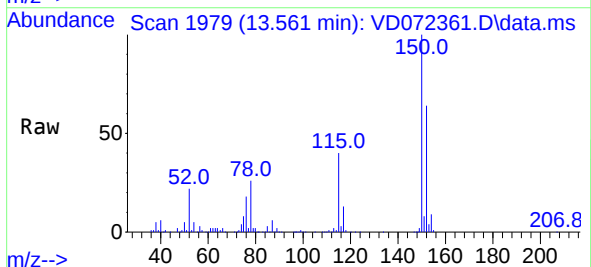
Instrument :
MSVOA_D
ClientSampleId :
G-2-4-5-6

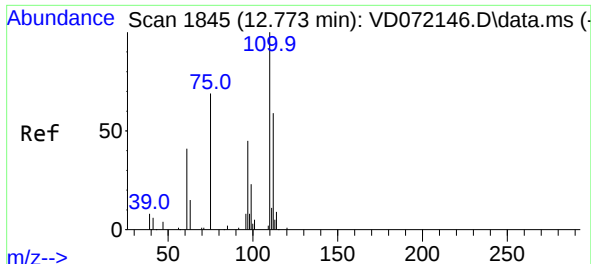
Tgt Ion:106 Resp: 12765
Ion Ratio Lower Upper
106 100
91 209.5 110.4 331.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. -0.006 min
Lab File: VD072361.D
Acq: 22 Mar 2022 14:10

Tgt Ion:152 Resp: 213269
Ion Ratio Lower Upper
152 100
115 61.5 31.3 93.8
150 158.3 0.0 348.6

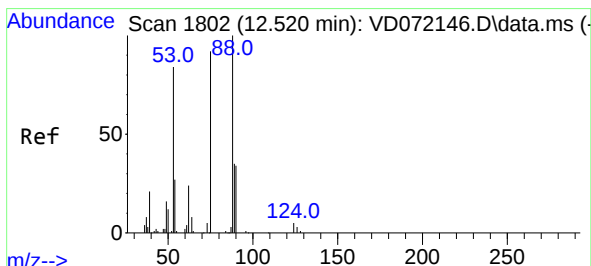
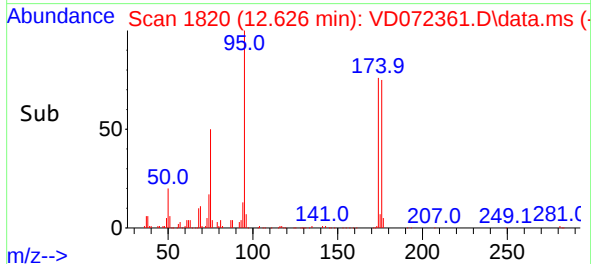
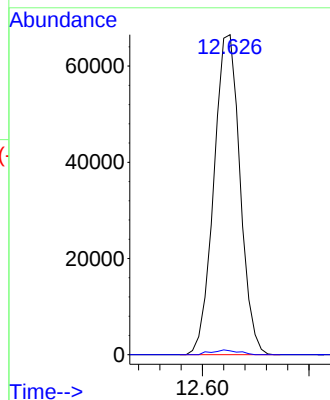
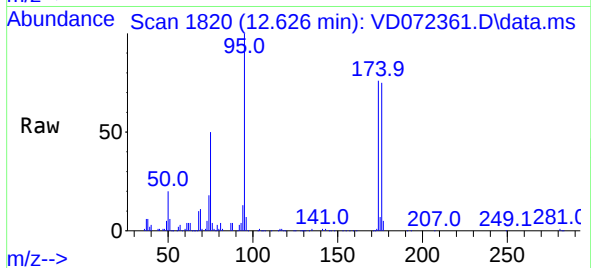




#76
1,2,3-Trichloropropane
Concen: 48.159 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD072361.D
Acq: 22 Mar 2022 14:10

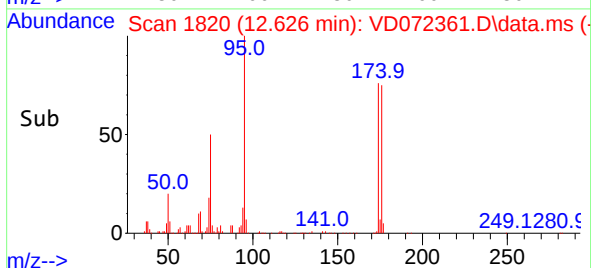
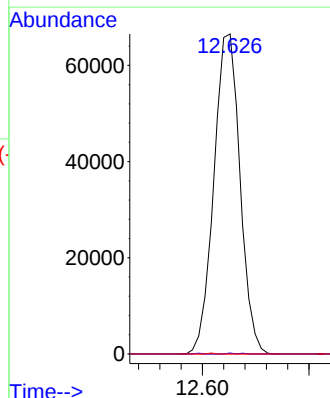
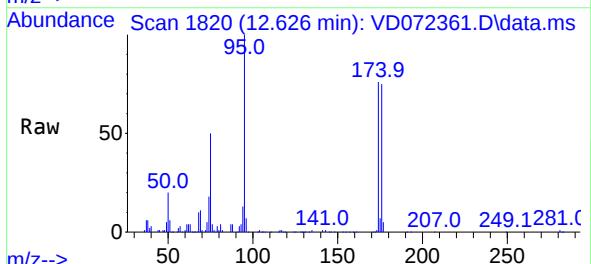
Instrument :
MSVOA_D
ClientSampleId :
G-2-4-5-6

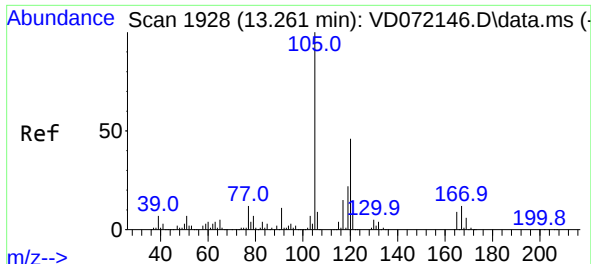
Tgt Ion: 75 Resp: 113297
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 119.488 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD072361.D
Acq: 22 Mar 2022 14:10

Tgt Ion: 75 Resp: 113297
Ion Ratio Lower Upper
75 100
53 0.1 86.5 129.7#
89 0.0 33.9 50.9#

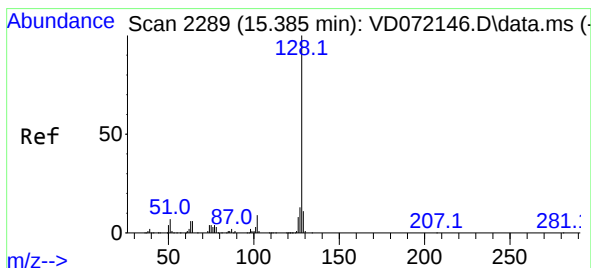
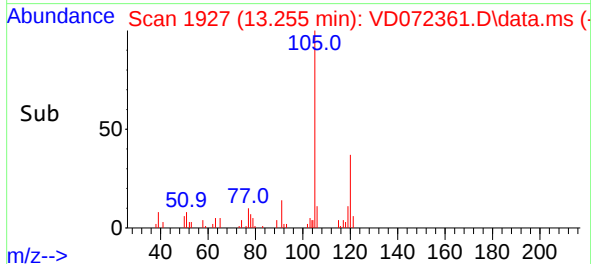
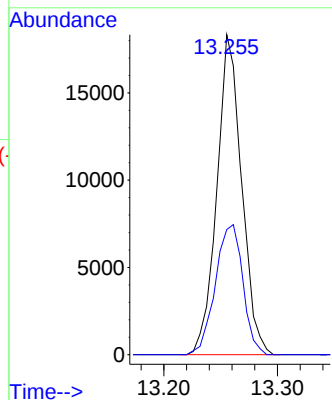
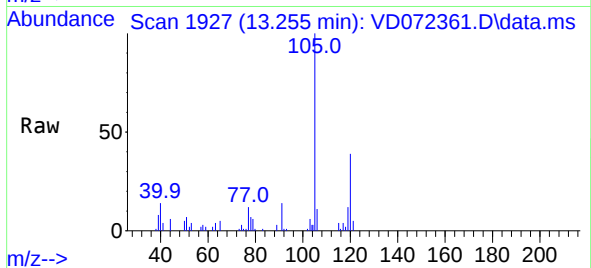




#84
1,2,4-Trimethylbenzene
Concen: 1.942 ug/l
RT: 13.255 min Scan# 1927
Delta R.T. -0.006 min
Lab File: VD072361.D
Acq: 22 Mar 2022 14:10

Instrument :
MSVOA_D
ClientSampleId :
G-2-4-5-6

Tgt Ion:105 Resp: 27788
Ion Ratio Lower Upper
105 100
120 45.1 22.3 66.8



#95
Naphthalene
Concen: 7.458 ug/l
RT: 15.385 min Scan# 2289
Delta R.T. 0.000 min
Lab File: VD072361.D
Acq: 22 Mar 2022 14:10

Tgt Ion:128 Resp: 59163
Ion Ratio Lower Upper
128 100
127 13.4 10.3 15.5
129 11.7 8.4 12.6

