

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD032222\
 Data File : VD072362.D
 Acq On : 22 Mar 2022 14:39
 Operator : VA/SY
 Sample : N1968-10
 Misc : 5.02G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 G-2-11-23-24

Quant Time: Mar 23 01:12:34 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)

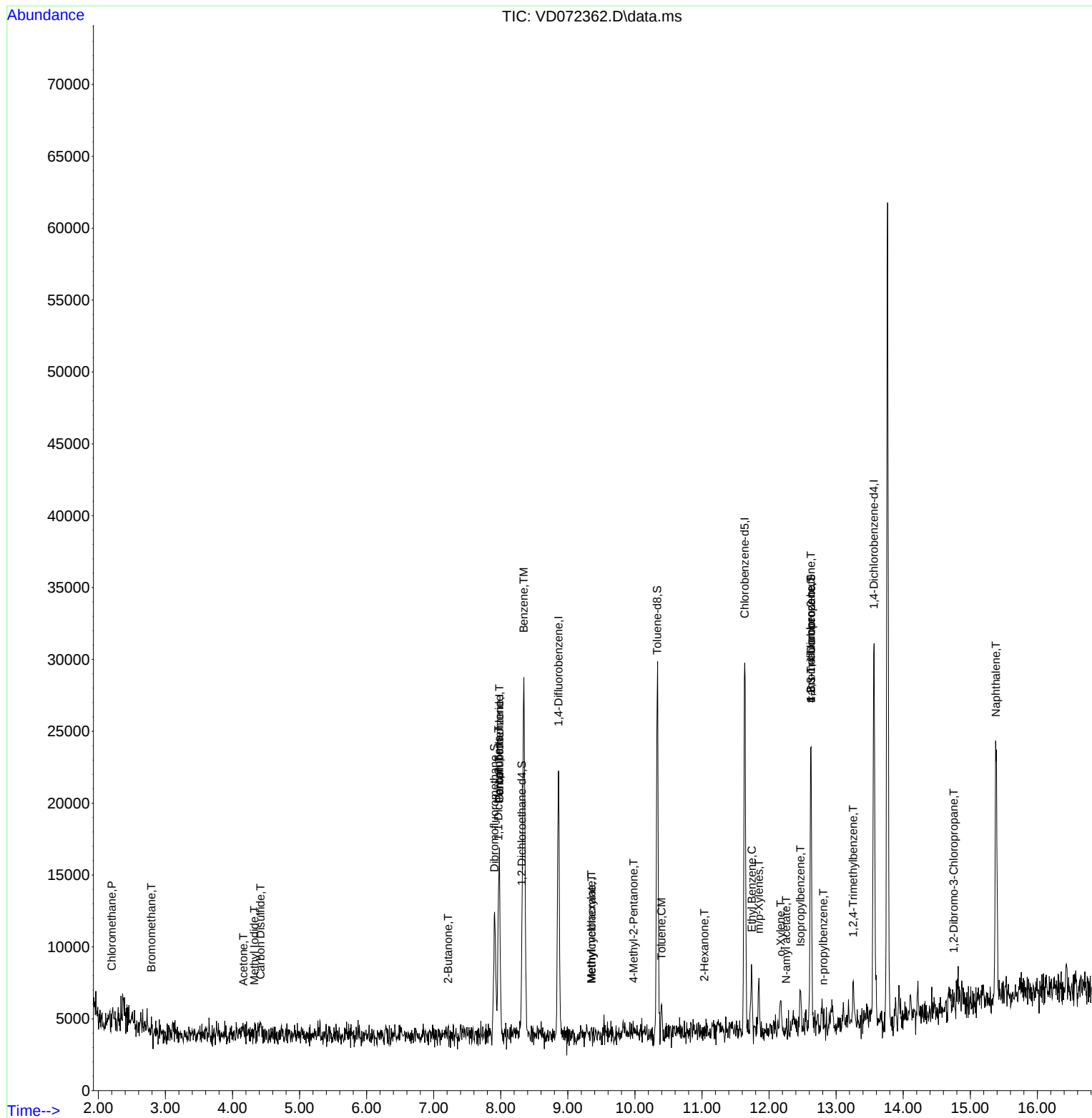
Internal Standards						
1) Pentafluorobenzene	7.979	168	10064	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	16056	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	15530	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	7215	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.314	65	6571	58.587	ug/l	-0.01
Spiked Amount 50.000	Range 50 - 163		Recovery = 117.180%			
35) Dibromofluoromethane	7.902	113	6079	53.803	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 107.600%			
50) Toluene-d8	10.332	98	16909	40.928	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 81.860%			
62) 4-Bromofluorobenzene	12.626	95	7176	44.703	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 89.400%			
Target Compounds					Qvalue	
3) Chloromethane	2.203	50	448	5.416	ug/l #	40
5) Bromomethane	2.791	94	361	6.943	ug/l #	70
10) Methyl Iodide	4.326	142	129	3.423	ug/l #	38
16) Acetone	4.162	43	1142	46.896	ug/l #	88
17) Carbon Disulfide	4.420	76	1416	7.867	ug/l #	74
20) Methylene Chloride	4.967	84	61	Below Cal	#	42
25) 2-Butanone	7.214	43	54	1.663	ug/l #	52
36) 1,1-Dichloropropene	7.967	75	469	2.959	ug/l #	43
38) Carbon Tetrachloride	7.979	117	1288	7.149	ug/l #	13
39) Methylcyclohexane	9.355	83	287	1.609	ug/l #	59
40) Benzene	8.344	78	20435	45.190	ug/l	99
48) Methyl methacrylate	9.349	41	70	1.088	ug/l #	19
51) 4-Methyl-2-Pentanone	9.979	43	172	2.430	ug/l #	39
52) Toluene	10.396	92	713	2.396	ug/l	89
59) 2-Hexanone	11.038	43	55	1.125	ug/l #	27
67) Ethyl Benzene	11.743	91	3574	5.812	ug/l	95
68) m/p-Xylenes	11.849	106	984	4.214	ug/l	89
69) o-Xylene	12.173	106	598	2.677	ug/l	88
73) Isopropylbenzene	12.467	105	2008	3.512	ug/l	93
74) N-amyl acetate	12.255	43	151	1.229	ug/l #	45
76) 1,2,3-Trichloropropane	12.626	75	3520	44.228	ug/l #	100
78) n-propylbenzene	12.808	91	967	1.392	ug/l #	72
81) trans-1,4-Dichloro-2-b...	12.626	75	3520	109.734	ug/l #	7
84) 1,2,4-Trimethylbenzene	13.255	105	2218	4.583	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	14.755	75	67	4.106	ug/l #	6
95) Naphthalene	15.384	128	16677	62.144	ug/l	97

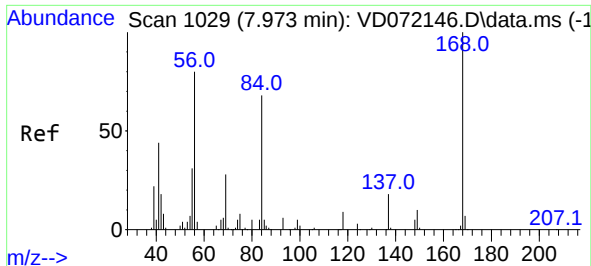
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD072362\
Data File : VD072362.D
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Instrument :
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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

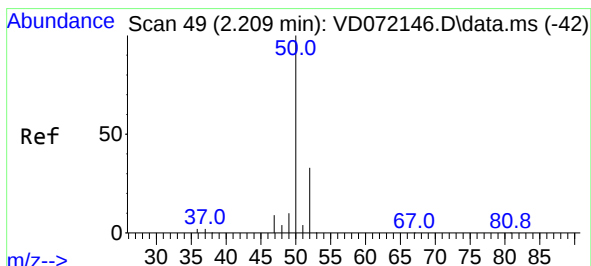
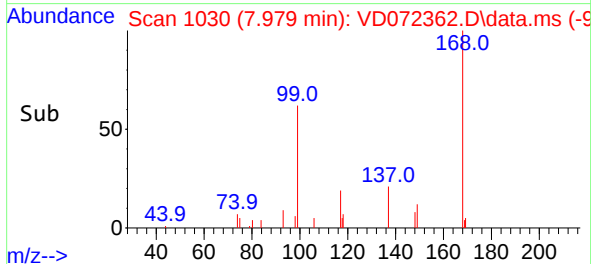
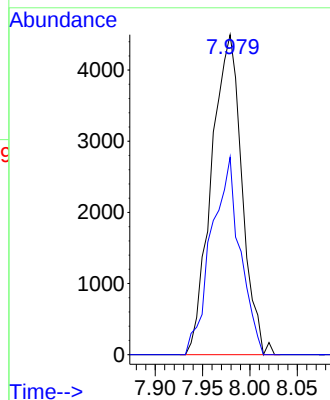
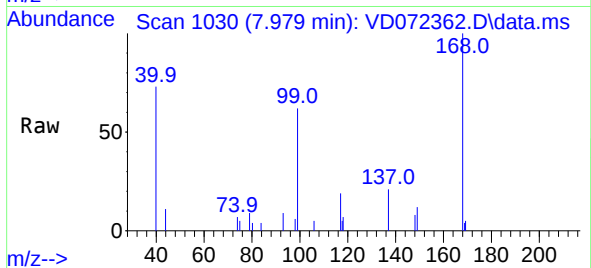




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 10
Delta R.T. 0.006 min
Lab File: VD072362.D
Acq: 22 Mar 2022 14:39

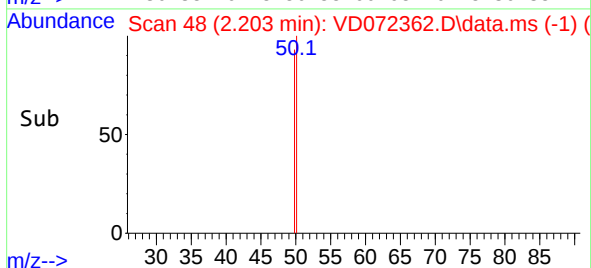
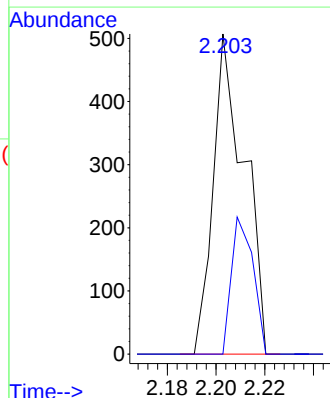
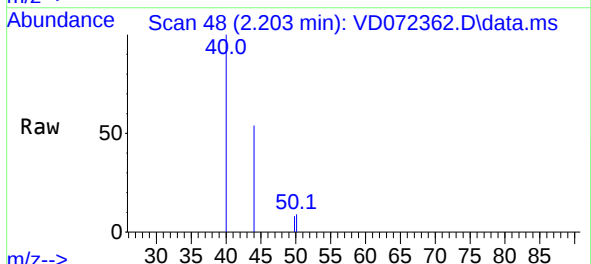
Instrument :
MSVOA_D
ClientSampleId :
G-2-11-23-24

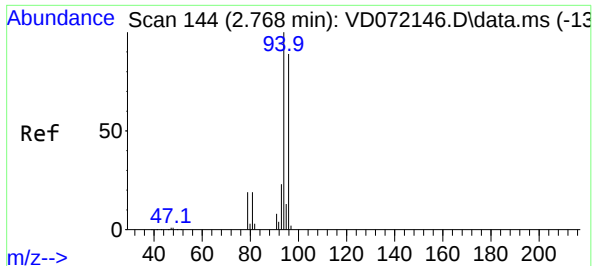
Tgt Ion:168 Resp: 10064
Ion Ratio Lower Upper
168 100
99 61.7 49.8 74.6



#3
Chloromethane
Concen: 5.416 ug/l
RT: 2.203 min Scan# 48
Delta R.T. -0.006 min
Lab File: VD072362.D
Acq: 22 Mar 2022 14:39

Tgt Ion: 50 Resp: 448
Ion Ratio Lower Upper
50 100
52 0.0 27.4 41.0#

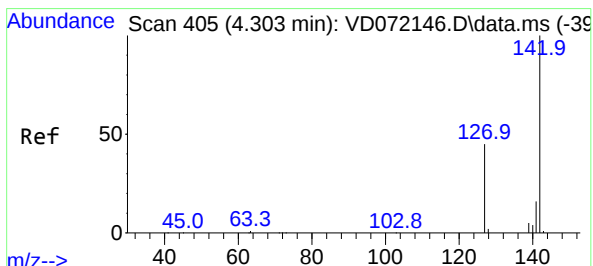
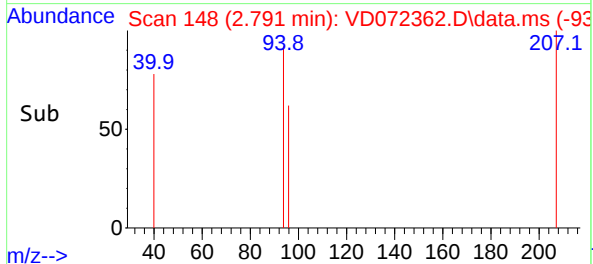
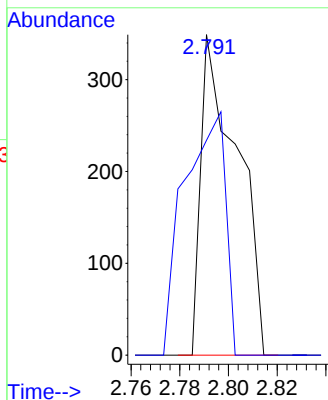
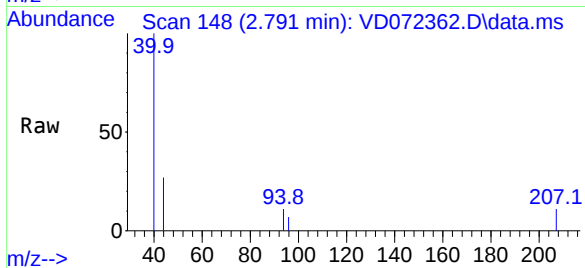




#5
Bromomethane
Concen: 6.943 ug/l
RT: 2.791 min Scan# 14
Delta R.T. 0.023 min
Lab File: VD072362.D
Acq: 22 Mar 2022 14:39

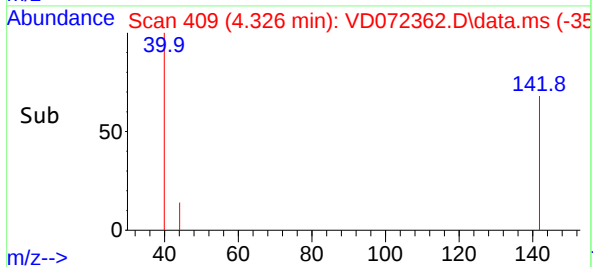
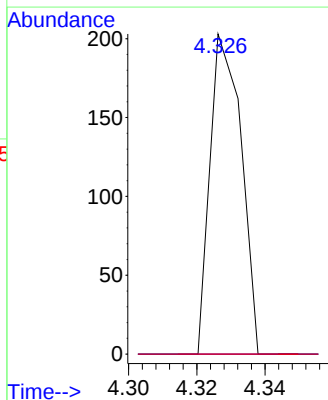
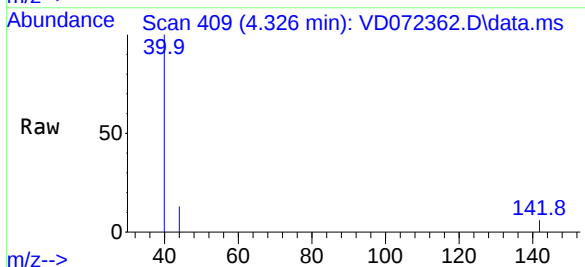
Instrument :
MSVOA_D
ClientSampleId :
G-2-11-23-24

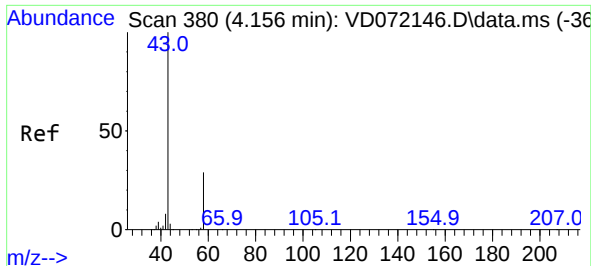
Tgt Ion: 94 Resp: 361
Ion Ratio Lower Upper
94 100
96 67.0 77.6 116.4#



#10
Methyl Iodide
Concen: 3.423 ug/l
RT: 4.326 min Scan# 409
Delta R.T. 0.023 min
Lab File: VD072362.D
Acq: 22 Mar 2022 14:39

Tgt Ion: 142 Resp: 129
Ion Ratio Lower Upper
142 100
127 0.0 37.3 55.9#
141 0.0 11.7 17.5#

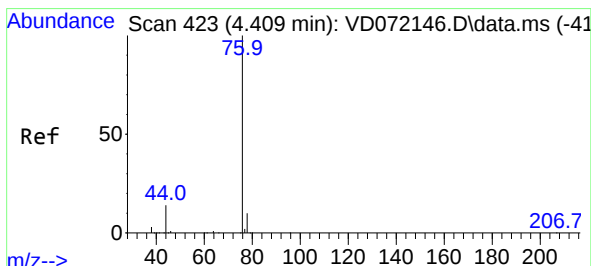
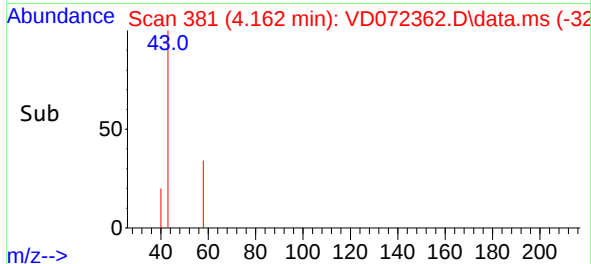
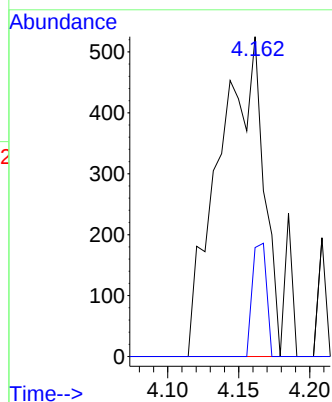
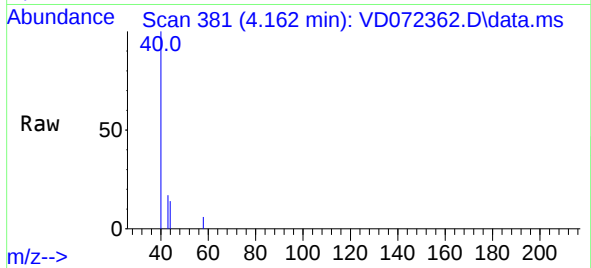




#16
Acetone
Concen: 46.896 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD072362.D
Acq: 22 Mar 2022 14:39

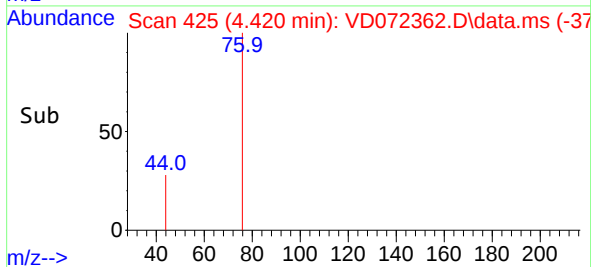
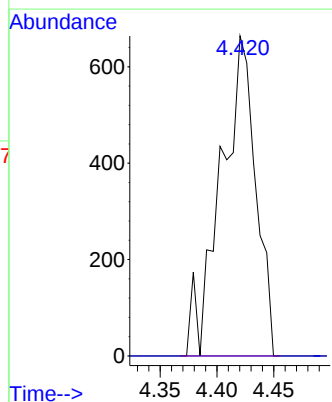
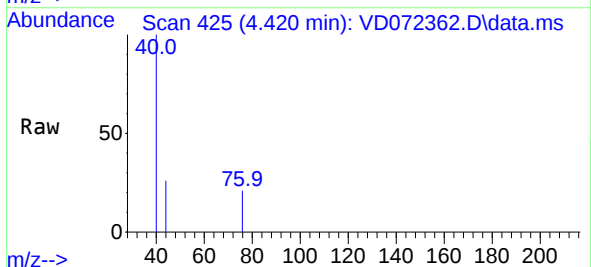
Instrument :
MSVOA_D
ClientSampleId :
G-2-11-23-24

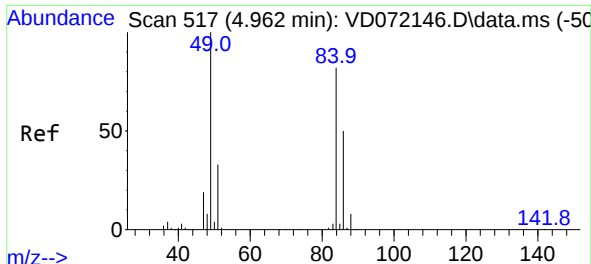
Tgt Ion: 43 Resp: 1142
Ion Ratio Lower Upper
43 100
58 34.1 22.1 33.1#



#17
Carbon Disulfide
Concen: 7.867 ug/l
RT: 4.420 min Scan# 425
Delta R.T. 0.011 min
Lab File: VD072362.D
Acq: 22 Mar 2022 14:39

Tgt Ion: 76 Resp: 1416
Ion Ratio Lower Upper
76 100
78 0.0 7.5 11.3#

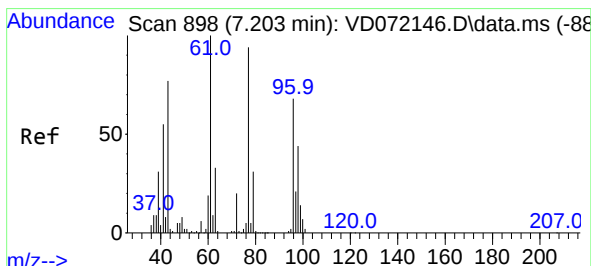
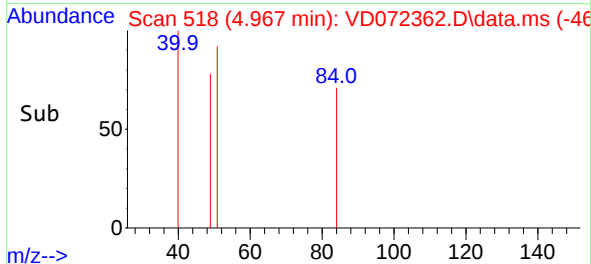
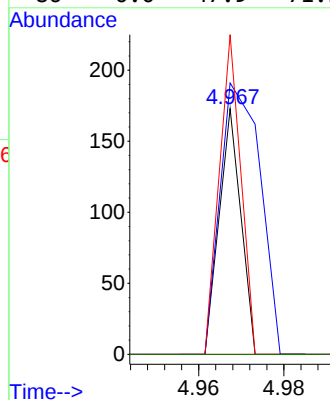
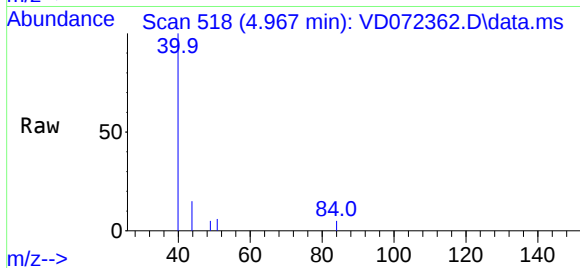




#20
Methylene Chloride
Concen: Below Cal
RT: 4.967 min Scan# 517
Delta R.T. 0.005 min
Lab File: VD072362.D
Acq: 22 Mar 2022 14:39

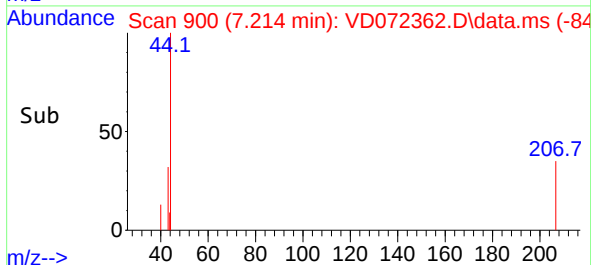
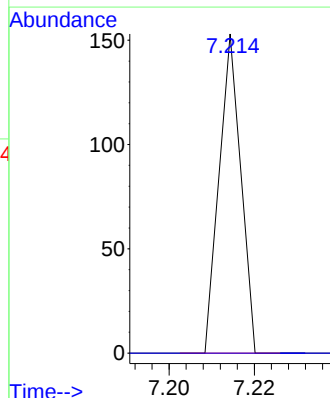
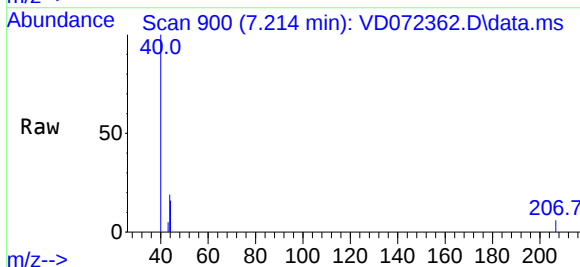
Instrument :
MSVOA_D
ClientSampleId :
G-2-11-23-24

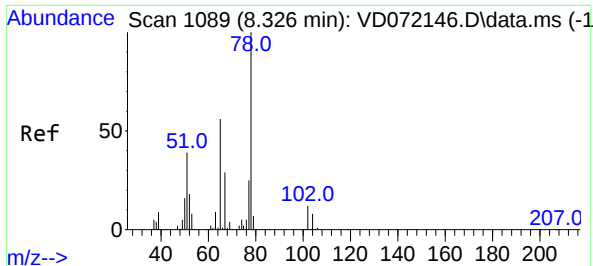
Tgt Ion:	84	Resp:	61
Ion	Ratio	Lower	Upper
84	100		
49	110.4	112.8	169.2#
51	130.1	32.6	48.8#
86	0.0	47.9	71.9#



#25
2-Butanone
Concen: 1.663 ug/l
RT: 7.214 min Scan# 900
Delta R.T. 0.012 min
Lab File: VD072362.D
Acq: 22 Mar 2022 14:39

Tgt Ion:	43	Resp:	54
Ion	Ratio	Lower	Upper
43	100		
72	0.0	18.6	27.8#





#33

1,2-Dichloroethane-d4

Concen: 58.587 ug/l

RT: 8.314 min Scan# 1087

Delta R.T. -0.012 min

Lab File: VD072362.D

Acq: 22 Mar 2022 14:39

Instrument :

MSVOA_D

ClientSampleId :

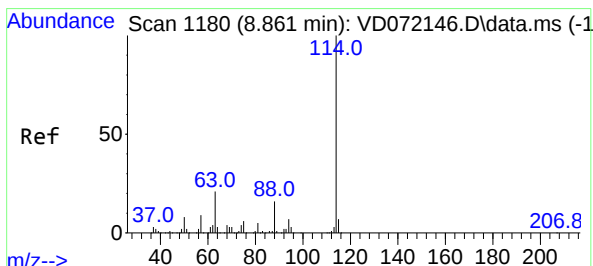
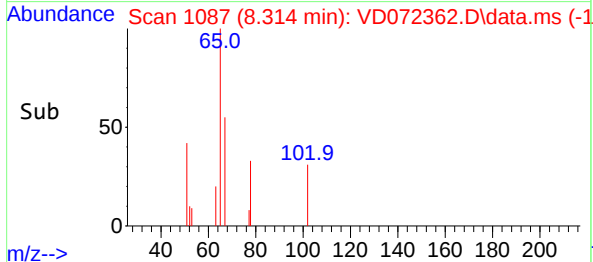
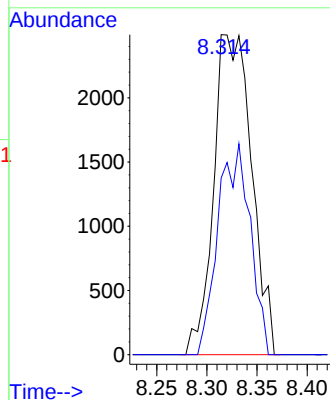
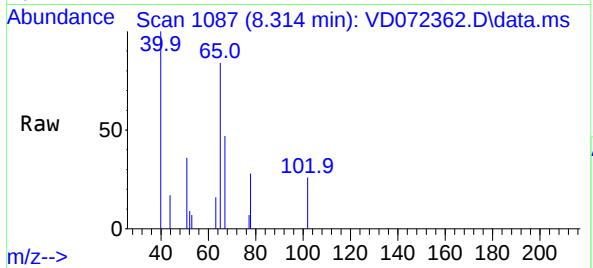
G-2-11-23-24

Tgt Ion: 65 Resp: 6571

Ion Ratio Lower Upper

65 100

67 55.6 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: VD072362.D

Acq: 22 Mar 2022 14:39

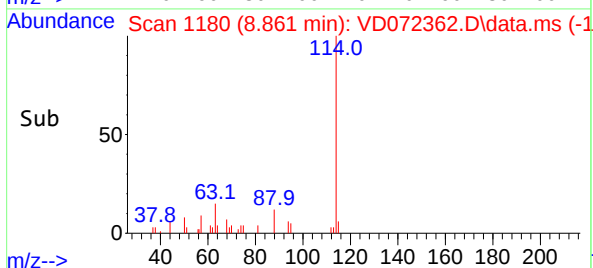
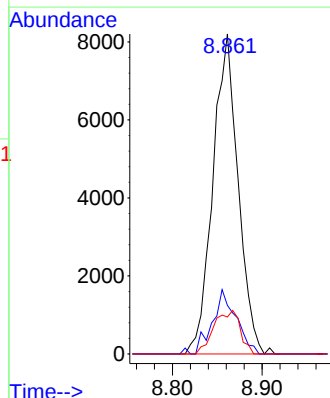
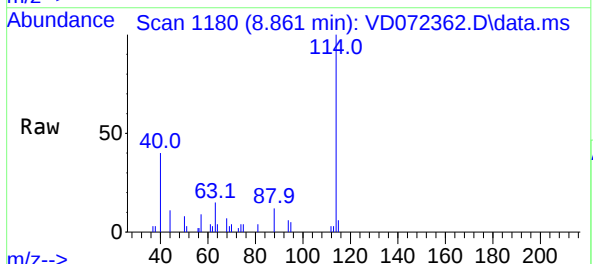
Tgt Ion: 114 Resp: 16056

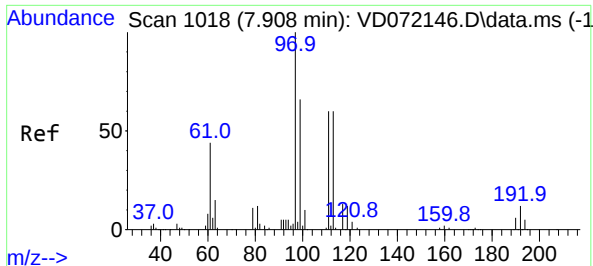
Ion Ratio Lower Upper

114 100

63 15.2 0.0 46.6

88 11.5 0.0 33.2

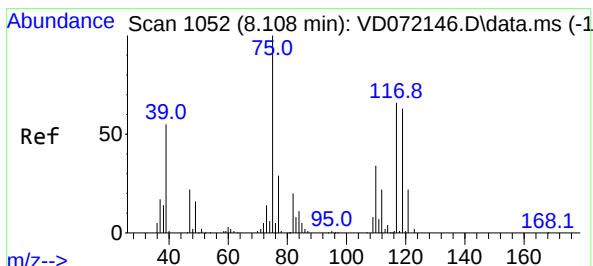
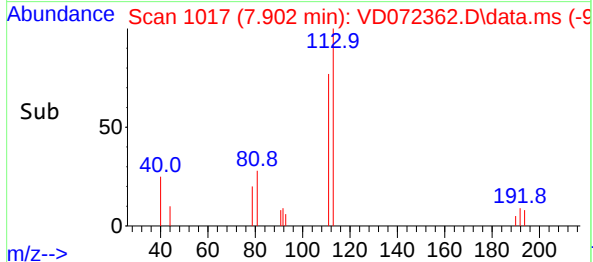
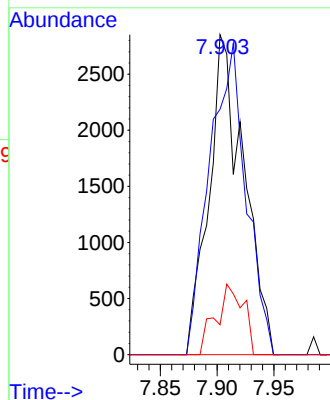
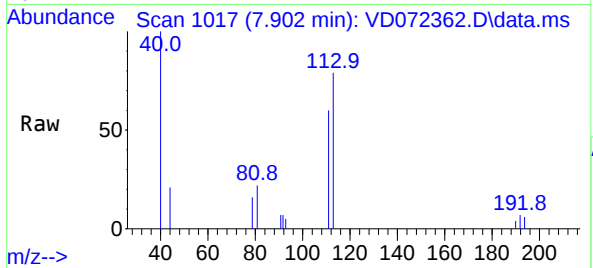




#35
Dibromofluoromethane
Concen: 53.803 ug/l
RT: 7.902 min Scan# 1018
Delta R.T. -0.006 min
Lab File: VD072362.D
Acq: 22 Mar 2022 14:39

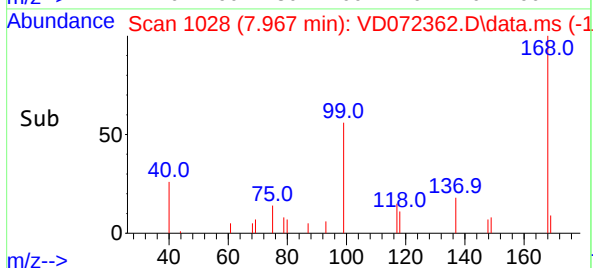
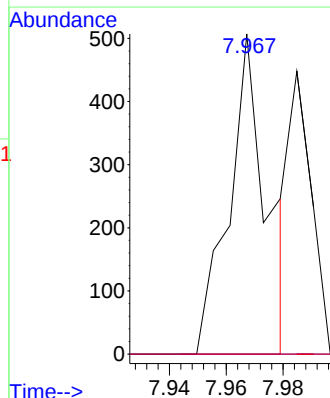
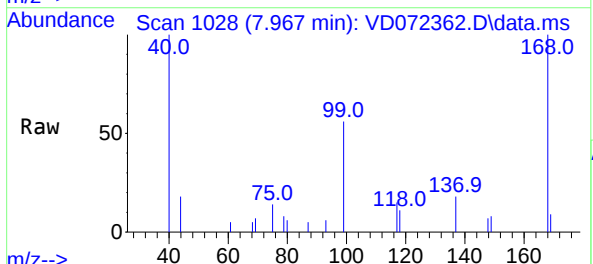
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G-2-11-23-24

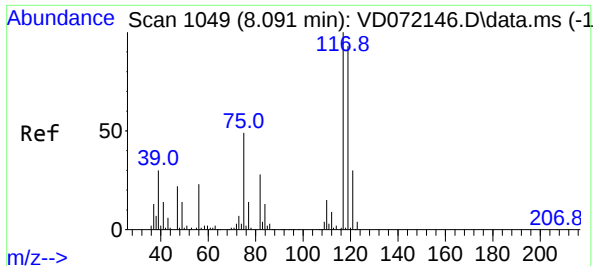
Tgt Ion:113 Resp: 6079
Ion Ratio Lower Upper
113 100
111 102.2 83.8 125.6
192 17.3 14.6 21.8



#36
1,1-Dichloropropene
Concen: 2.959 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.141 min
Lab File: VD072362.D
Acq: 22 Mar 2022 14:39

Tgt Ion: 75 Resp: 469
Ion Ratio Lower Upper
75 100
110 0.0 16.4 49.1#
77 0.0 24.2 36.2#

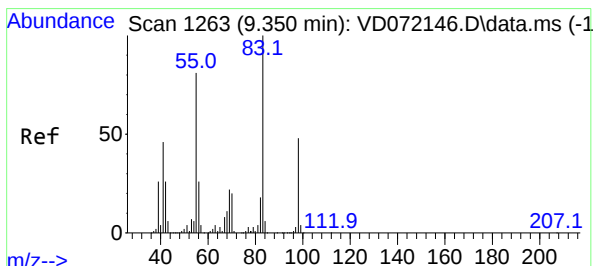
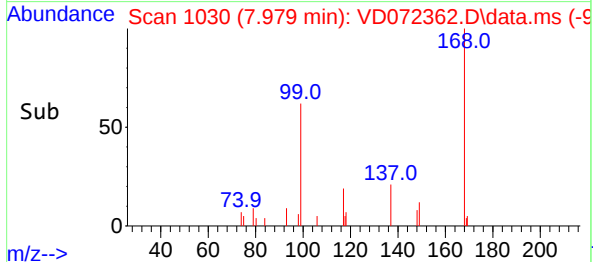
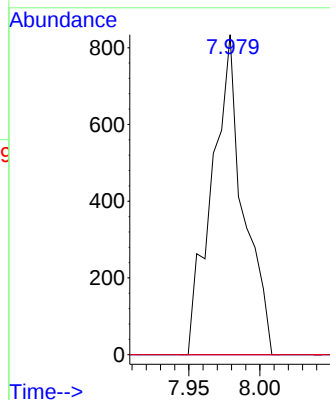
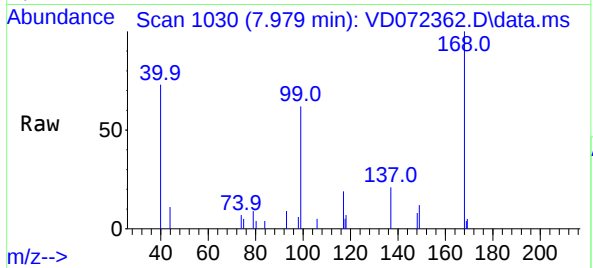




#38
Carbon Tetrachloride
Concen: 7.149 ug/l
RT: 7.979 min Scan# 1049
Delta R.T. -0.112 min
Lab File: VD072362.D
Acq: 22 Mar 2022 14:39

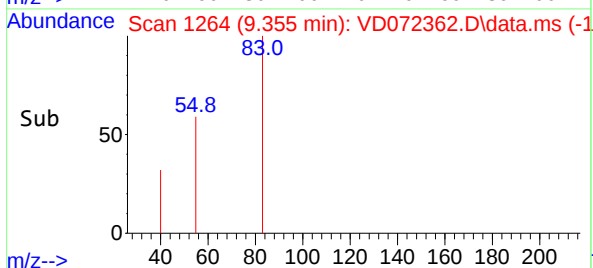
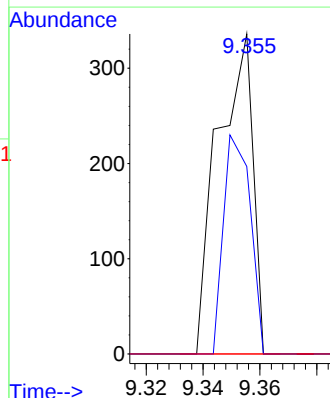
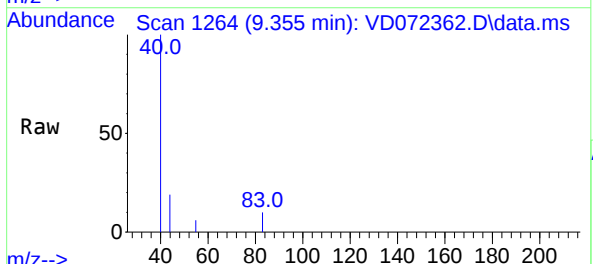
Instrument :
MSVOA_D
ClientSampleId :
G-2-11-23-24

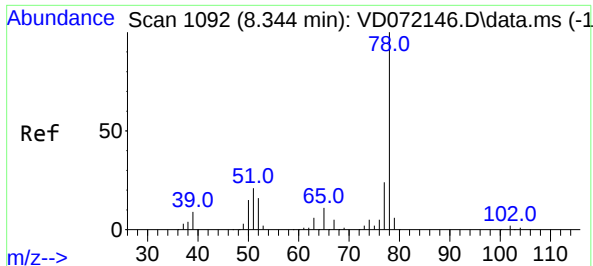
Tgt Ion:117 Resp: 1288
Ion Ratio Lower Upper
117 100
119 0.0 75.8 113.6#
121 0.0 24.5 36.7#



#39
Methylcyclohexane
Concen: 1.609 ug/l
RT: 9.355 min Scan# 1264
Delta R.T. 0.006 min
Lab File: VD072362.D
Acq: 22 Mar 2022 14:39

Tgt Ion: 83 Resp: 287
Ion Ratio Lower Upper
83 100
55 58.6 63.2 94.8#
98 0.0 38.2 57.4#

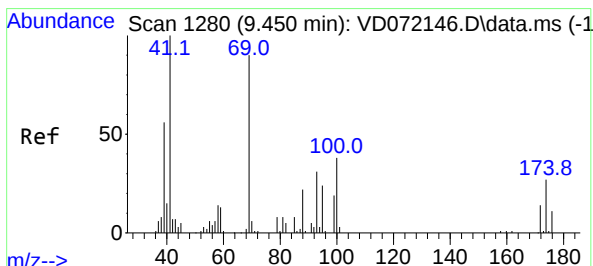
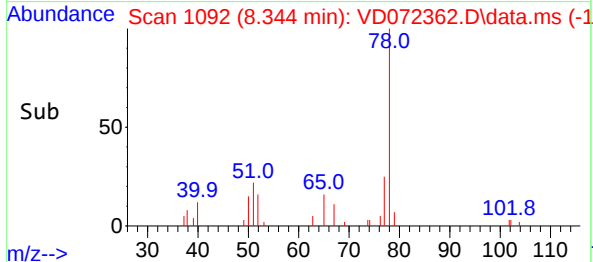
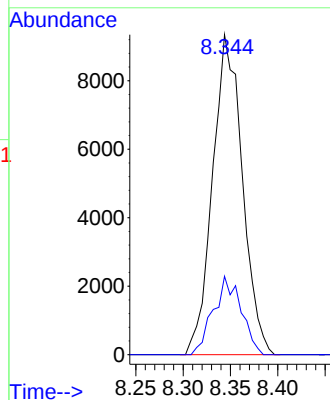
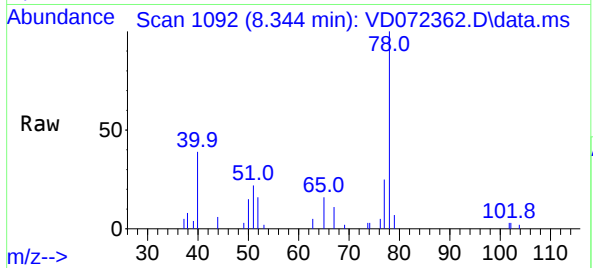




#40
Benzene
Concen: 45.190 ug/l
RT: 8.344 min Scan# 1092
Delta R.T. -0.000 min
Lab File: VD072362.D
Acq: 22 Mar 2022 14:39

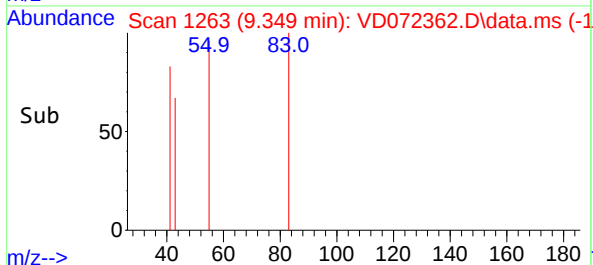
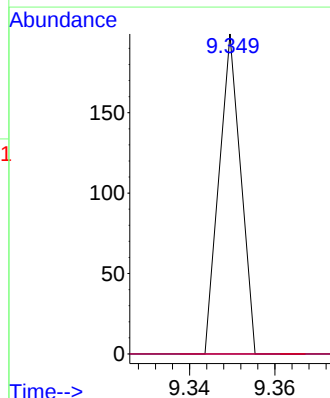
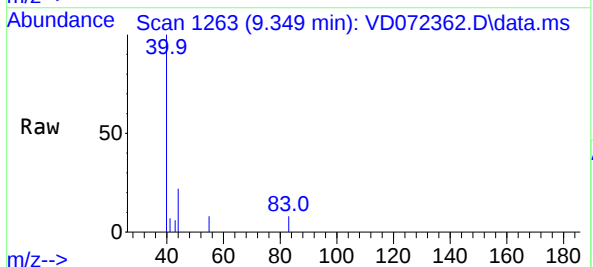
Instrument :
MSVOA_D
ClientSampleId :
G-2-11-23-24

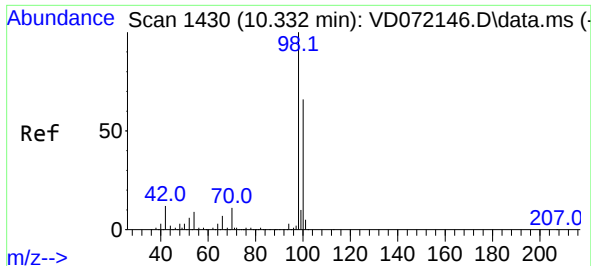
Tgt Ion: 78 Resp: 20435
Ion Ratio Lower Upper
78 100
77 24.5 19.1 28.7



#48
Methyl methacrylate
Concen: 1.088 ug/l
RT: 9.349 min Scan# 1263
Delta R.T. -0.100 min
Lab File: VD072362.D
Acq: 22 Mar 2022 14:39

Tgt Ion: 41 Resp: 70
Ion Ratio Lower Upper
41 100
69 0.0 56.7 85.1#
39 0.0 42.7 64.1#

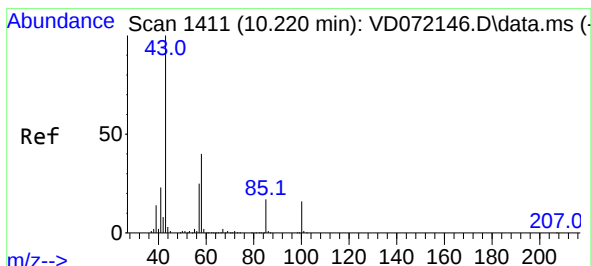
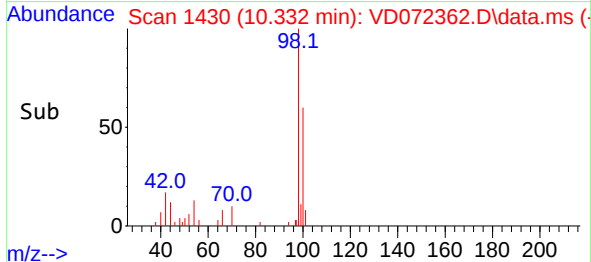
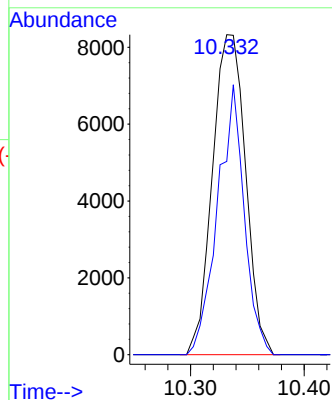
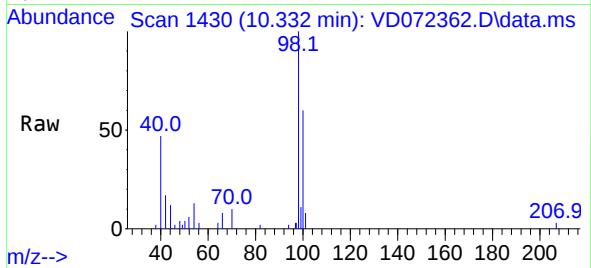




#50
Toluene-d8
Concen: 40.928 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD072362.D
Acq: 22 Mar 2022 14:39

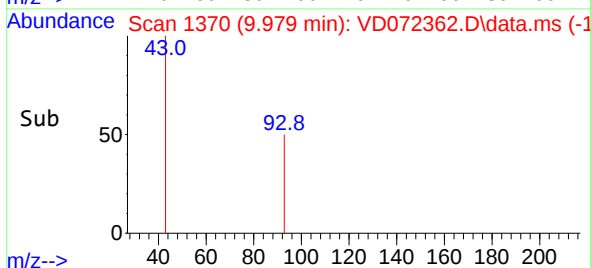
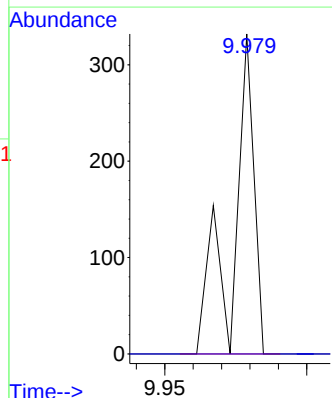
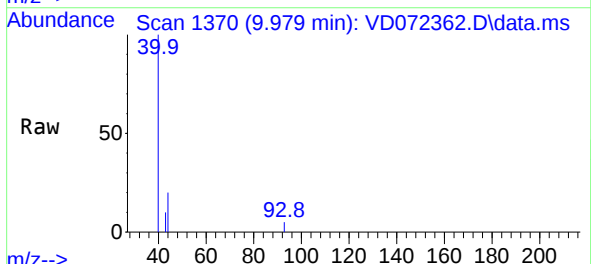
Instrument : MSVOA_D
ClientSampleId : G-2-11-23-24

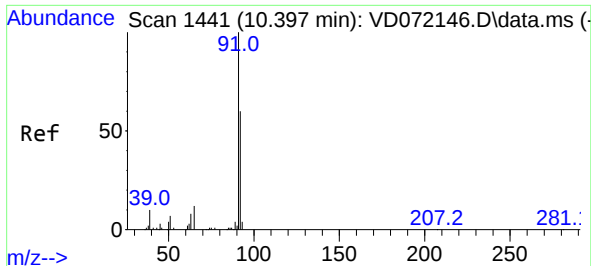
Tgt Ion: 98 Resp: 16909
Ion Ratio Lower Upper
98 100
100 67.6 52.4 78.6



#51
4-Methyl-2-Pentanone
Concen: 2.430 ug/l
RT: 9.979 min Scan# 1370
Delta R.T. -0.241 min
Lab File: VD072362.D
Acq: 22 Mar 2022 14:39

Tgt Ion: 43 Resp: 172
Ion Ratio Lower Upper
43 100
58 0.0 28.6 43.0#

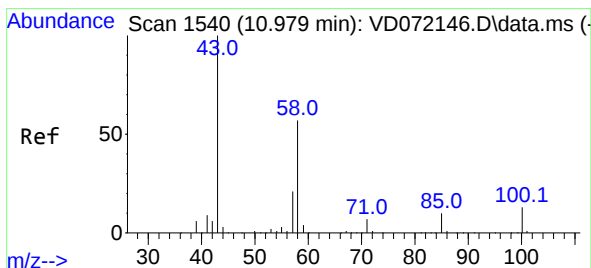
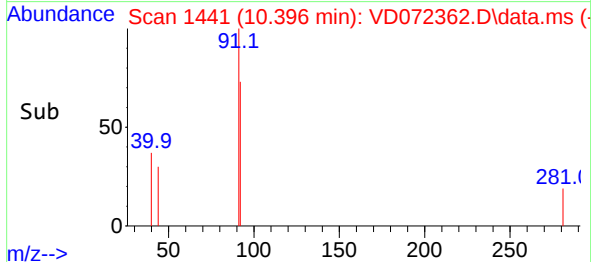
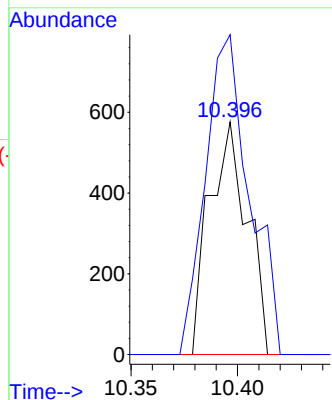
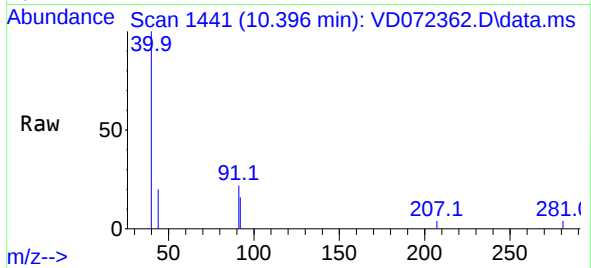




#52
Toluene
Concen: 2.396 ug/l
RT: 10.396 min Scan# 1441
Delta R.T. -0.000 min
Lab File: VD072362.D
Acq: 22 Mar 2022 14:39

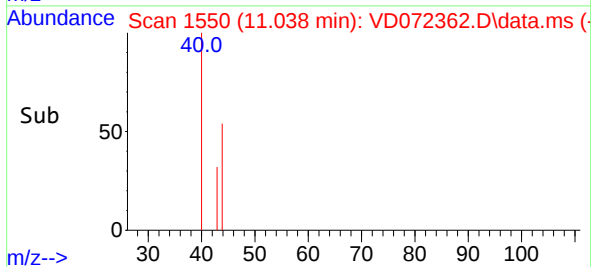
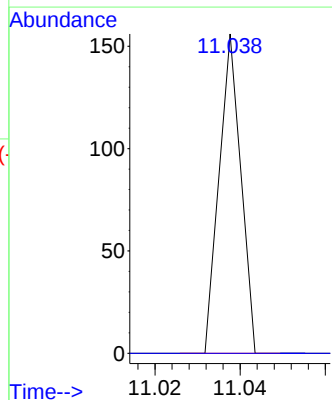
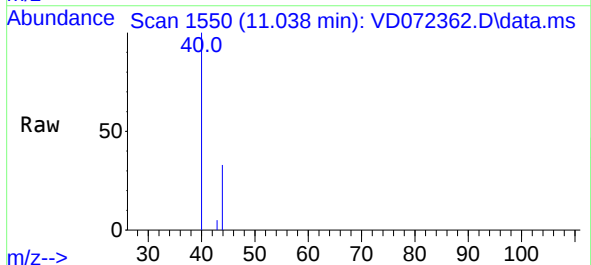
Instrument :
MSVOA_D
ClientSampleId :
G-2-11-23-24

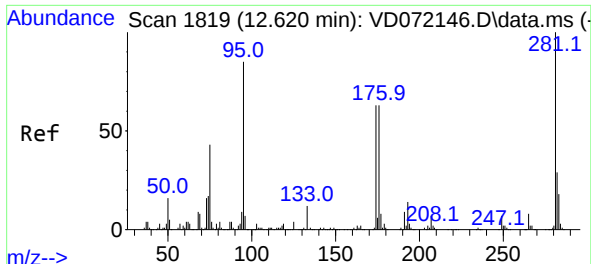
Tgt Ion: 92 Resp: 713
Ion Ratio Lower Upper
92 100
91 159.7 139.6 209.4



#59
2-Hexanone
Concen: 1.125 ug/l
RT: 11.038 min Scan# 1550
Delta R.T. 0.059 min
Lab File: VD072362.D
Acq: 22 Mar 2022 14:39

Tgt Ion: 43 Resp: 55
Ion Ratio Lower Upper
43 100
58 0.0 25.3 75.9#

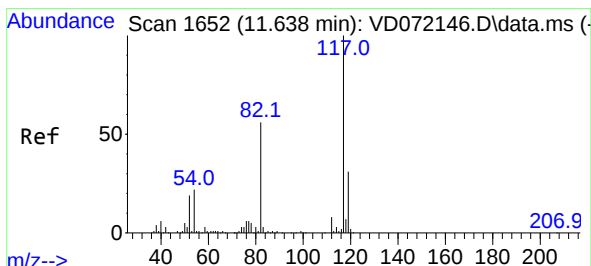
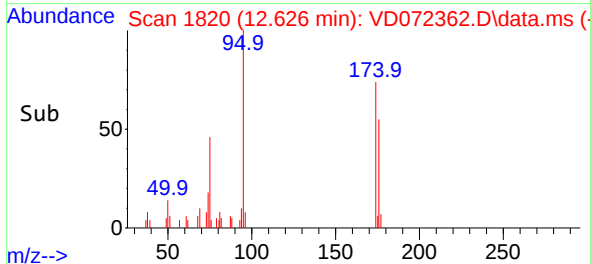
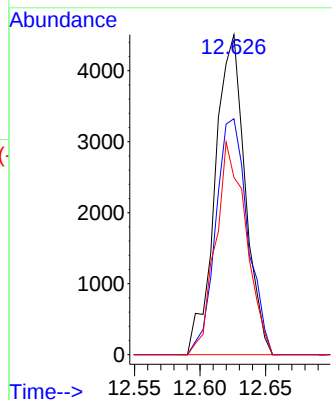
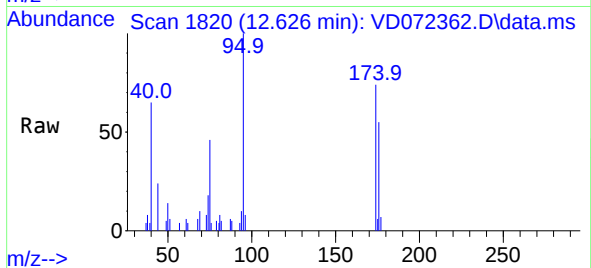




#62
4-Bromofluorobenzene
Concen: 44.703 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.006 min
Lab File: VD072362.D
Acq: 22 Mar 2022 14:39

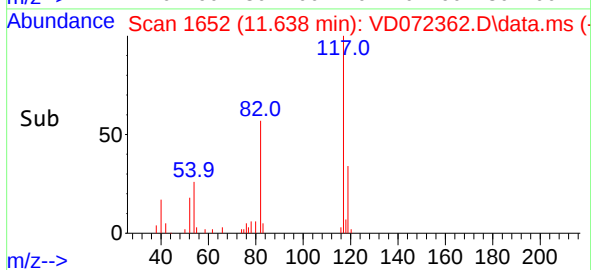
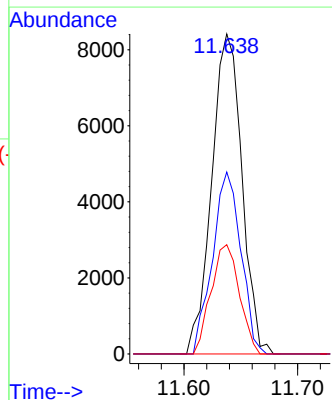
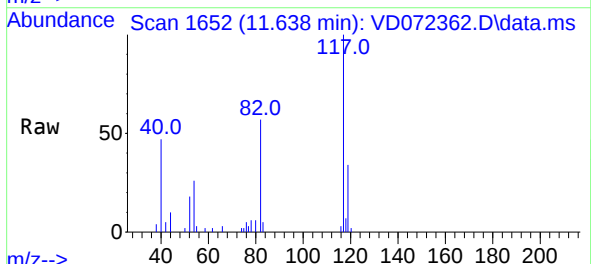
Instrument :
MSVOA_D
ClientSampleId :
G-2-11-23-24

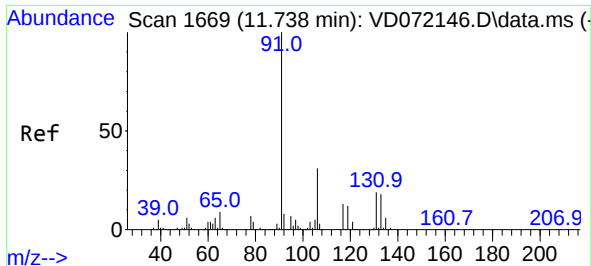
Tgt Ion:	95	Resp:	7176
Ion	Ratio	Lower	Upper
95	100		
174	78.7	0.0	152.8
176	67.5	0.0	145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD072362.D
Acq: 22 Mar 2022 14:39

Tgt Ion:	117	Resp:	15530
Ion	Ratio	Lower	Upper
117	100		
82	56.9	45.3	67.9
119	34.1	26.6	40.0





#67

Ethyl Benzene

Concen: 5.812 ug/l

RT: 11.743 min Scan# 1669

Delta R.T. 0.006 min

Lab File: VD072362.D

Acq: 22 Mar 2022 14:39

Instrument :

MSVOA_D

ClientSampleId :

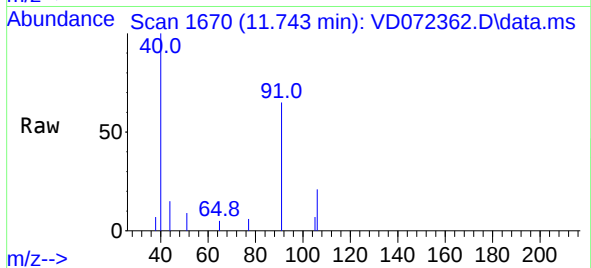
G-2-11-23-24

Tgt Ion: 91 Resp: 3574

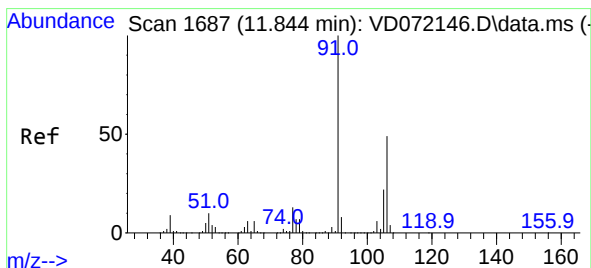
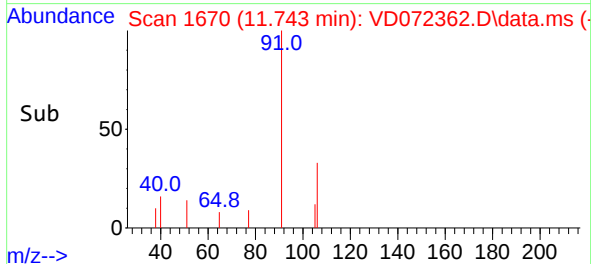
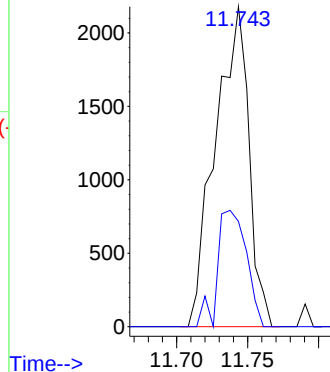
Ion Ratio Lower Upper

91 100

106 32.9 24.2 36.4



Abundance



#68

m/p-Xylenes

Concen: 4.214 ug/l

RT: 11.849 min Scan# 1688

Delta R.T. 0.006 min

Lab File: VD072362.D

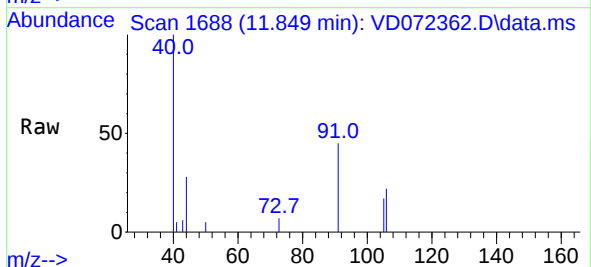
Acq: 22 Mar 2022 14:39

Tgt Ion: 106 Resp: 984

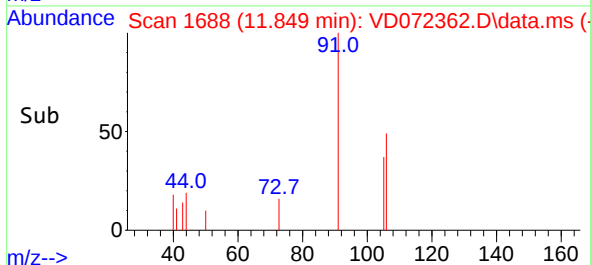
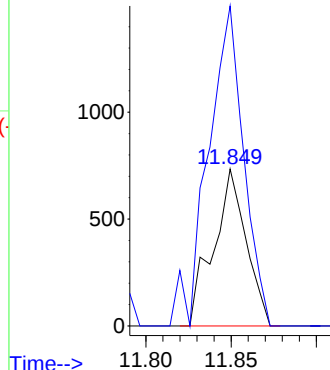
Ion Ratio Lower Upper

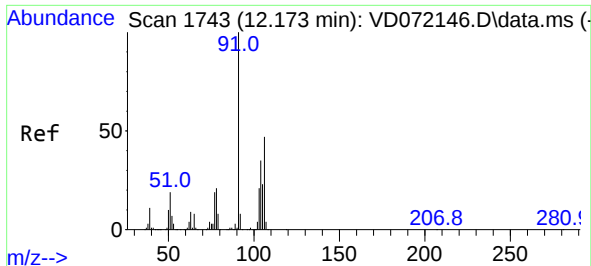
106 100

91 220.9 163.7 245.5



Abundance

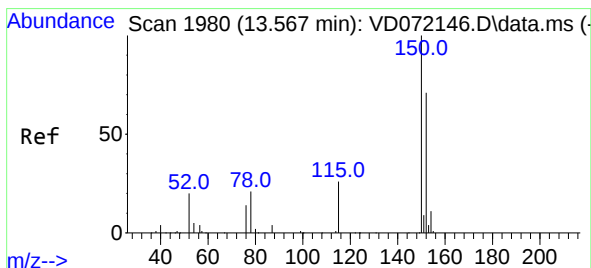
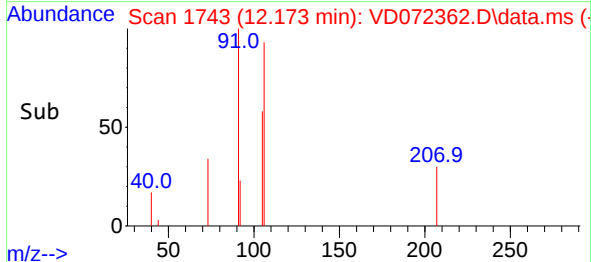
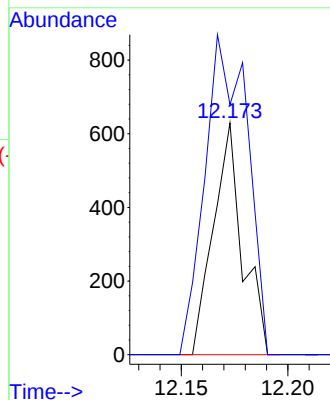
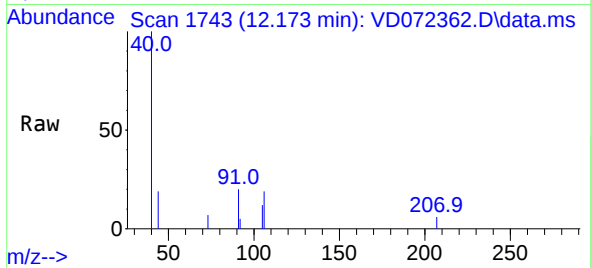




#69
o-Xylene
Concen: 2.677 ug/l
RT: 12.173 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD072362.D
Acq: 22 Mar 2022 14:39

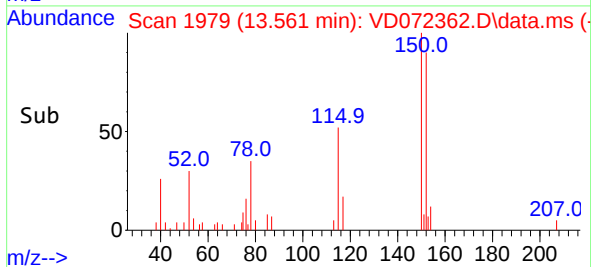
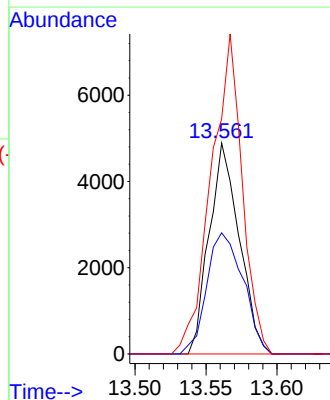
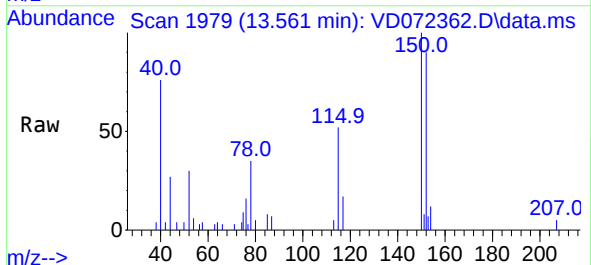
Instrument :
MSVOA_D
ClientSampleId :
G-2-11-23-24

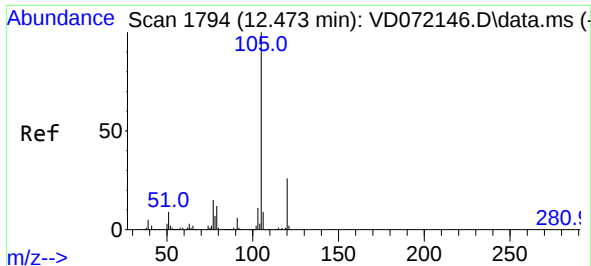
Tgt Ion:106 Resp: 598
Ion Ratio Lower Upper
106 100
91 200.8 110.4 331.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. -0.006 min
Lab File: VD072362.D
Acq: 22 Mar 2022 14:39

Tgt Ion:152 Resp: 7215
Ion Ratio Lower Upper
152 100
115 69.2 31.3 93.8
150 156.0 0.0 348.6

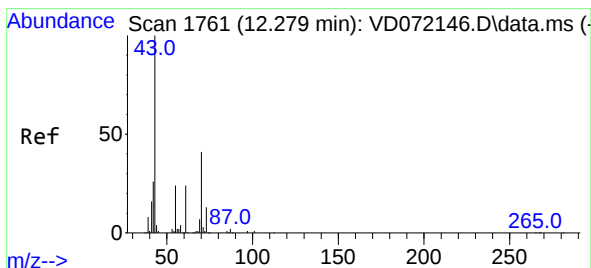
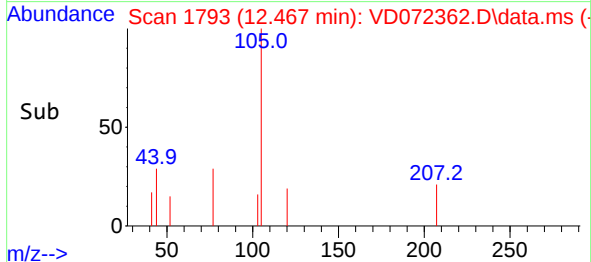
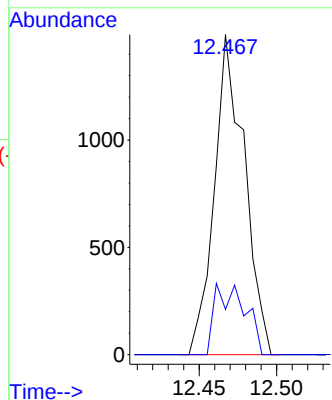
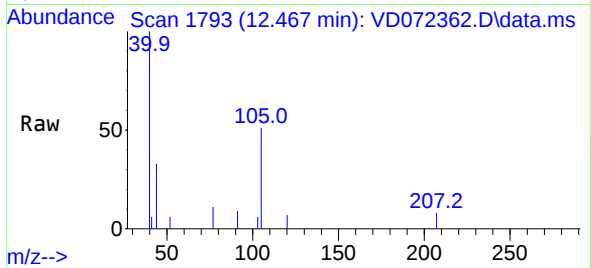




#73
Isopropylbenzene
Concen: 3.512 ug/l
RT: 12.467 min Scan# 1757
Delta R.T. -0.006 min
Lab File: VD072362.D
Acq: 22 Mar 2022 14:39

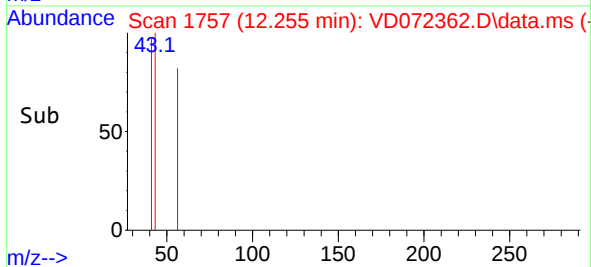
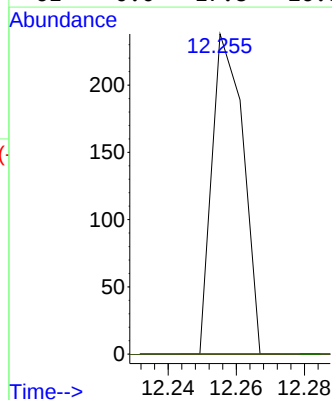
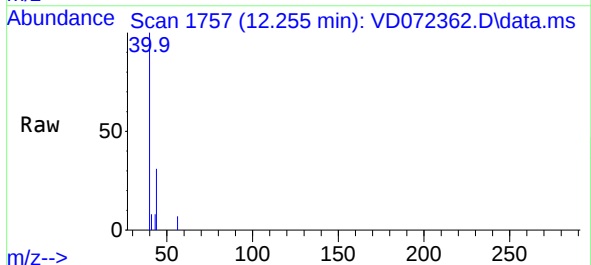
Instrument :
MSVOA_D
ClientSampleId :
G-2-11-23-24

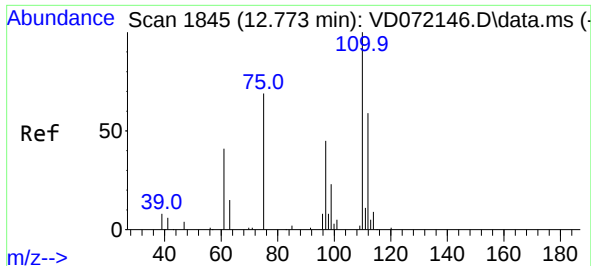
Tgt Ion:105 Resp: 2008
Ion Ratio Lower Upper
105 100
120 22.2 13.0 38.9



#74
N-ethyl acetate
Concen: 1.229 ug/l
RT: 12.255 min Scan# 1757
Delta R.T. -0.024 min
Lab File: VD072362.D
Acq: 22 Mar 2022 14:39

Tgt Ion: 43 Resp: 151
Ion Ratio Lower Upper
43 100
70 0.0 31.3 46.9#
55 0.0 20.0 30.0#
61 0.0 17.8 26.8#

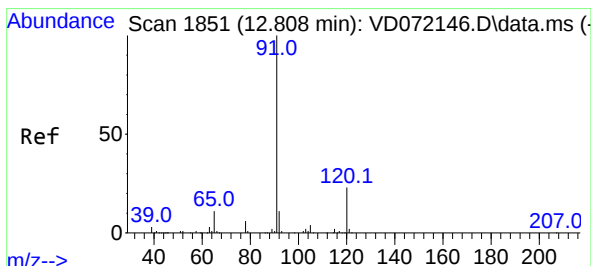
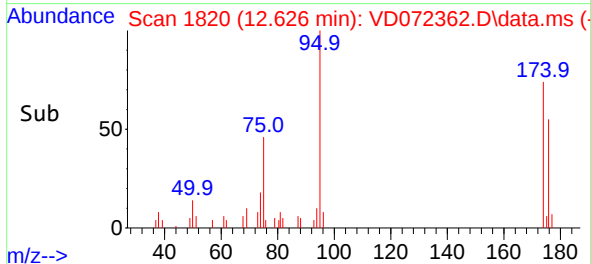
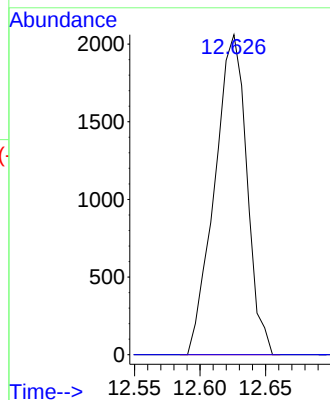
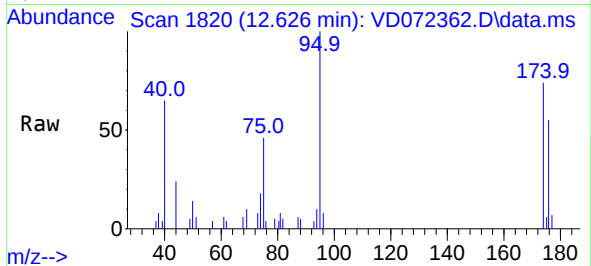




#76
1,2,3-Trichloropropane
Concen: 44.228 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD072362.D
Acq: 22 Mar 2022 14:39

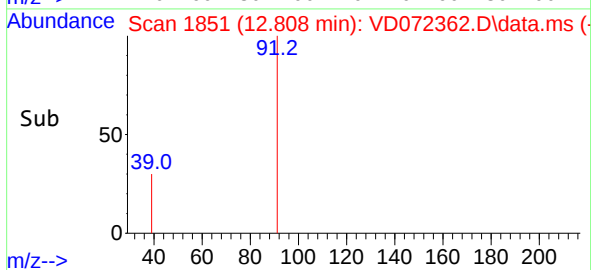
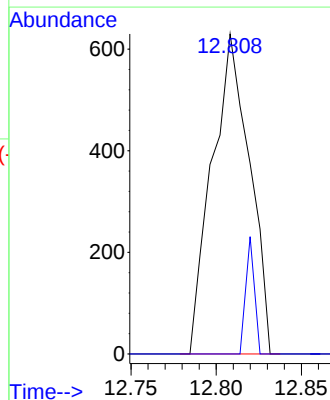
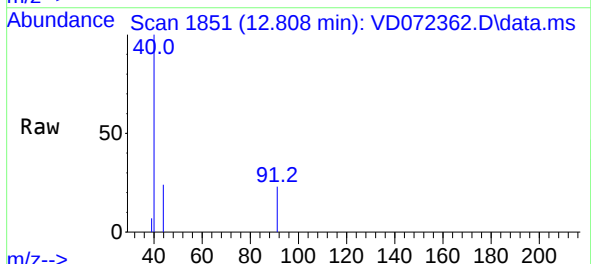
Instrument :
MSVOA_D
ClientSampleId :
G-2-11-23-24

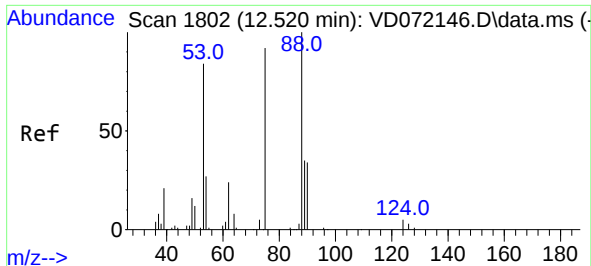
Tgt Ion: 75 Resp: 3520
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#78
n-propylbenzene
Concen: 1.392 ug/l
RT: 12.808 min Scan# 1851
Delta R.T. -0.000 min
Lab File: VD072362.D
Acq: 22 Mar 2022 14:39

Tgt Ion: 91 Resp: 967
Ion Ratio Lower Upper
91 100
120 8.5 10.9 32.9#

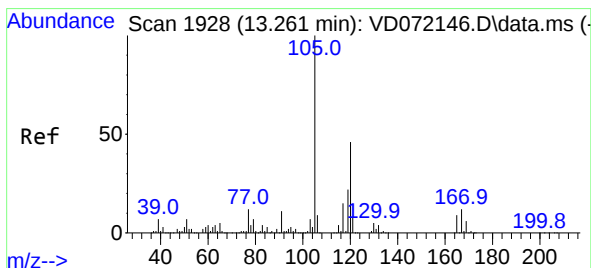
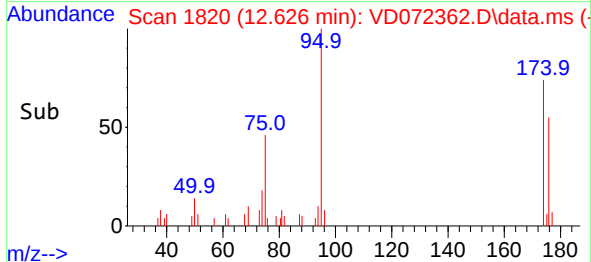
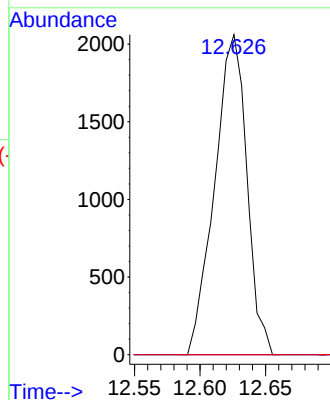
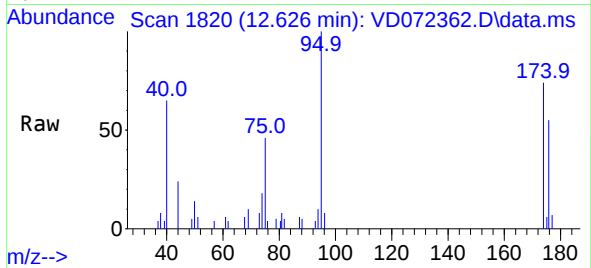




#81
trans-1,4-Dichloro-2-butene
Concen: 109.734 ug/l
RT: 12.626 min Scan# 1802
Delta R.T. 0.106 min
Lab File: VD072362.D
Acq: 22 Mar 2022 14:39

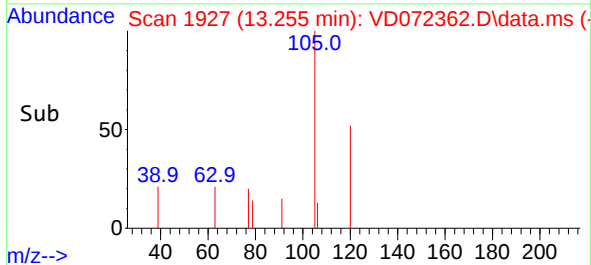
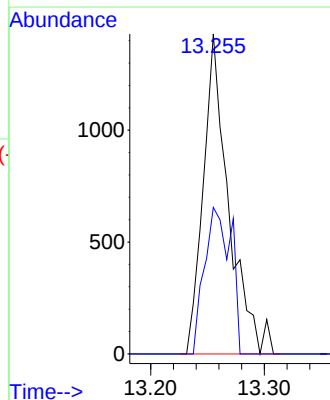
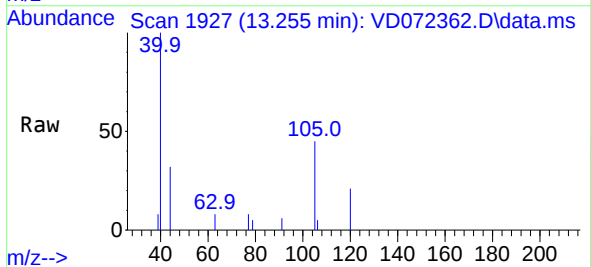
Instrument :
MSVOA_D
ClientSampleId :
G-2-11-23-24

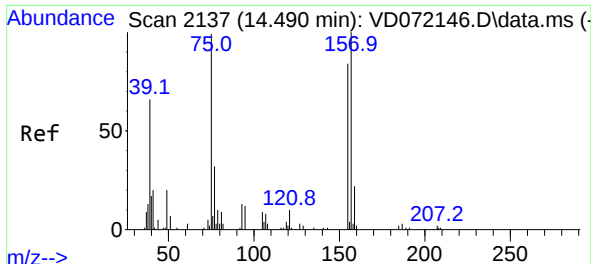
Tgt Ion: 75 Resp: 3520
Ion Ratio Lower Upper
75 100
53 0.0 86.5 129.7#
89 0.0 33.9 50.9#



#84
1,2,4-Trimethylbenzene
Concen: 4.583 ug/l
RT: 13.255 min Scan# 1927
Delta R.T. -0.006 min
Lab File: VD072362.D
Acq: 22 Mar 2022 14:39

Tgt Ion: 105 Resp: 2218
Ion Ratio Lower Upper
105 100
120 48.0 22.3 66.8

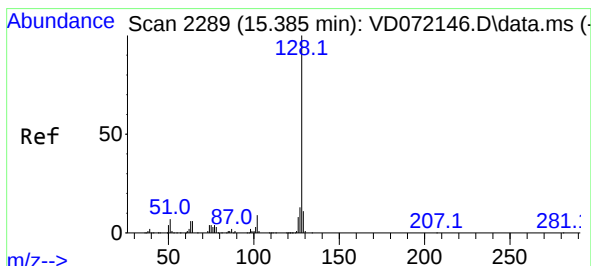
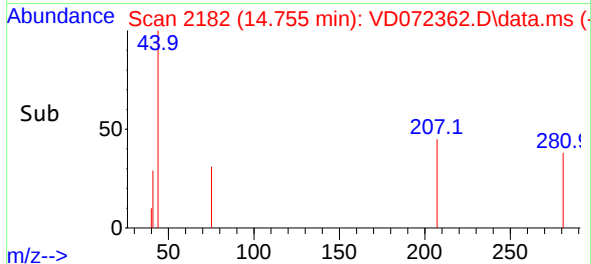
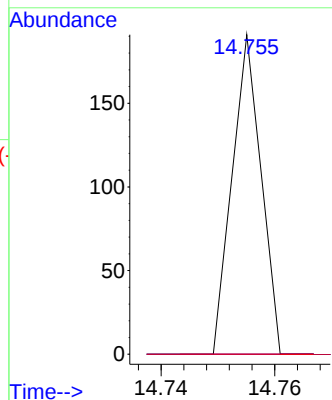
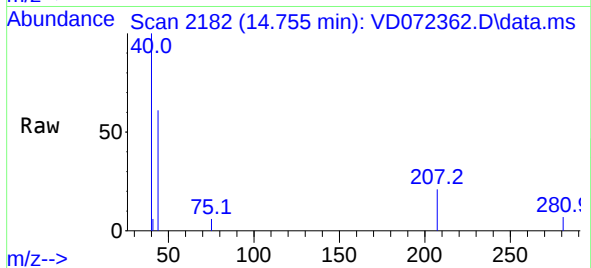




#92
1,2-Dibromo-3-Chloropropane
Concen: 4.106 ug/l
RT: 14.755 min Scan# 2137
Delta R.T. 0.265 min
Lab File: VD072362.D
Acq: 22 Mar 2022 14:39

Instrument :
MSVOA_D
ClientSampleId :
G-2-11-23-24

Tgt Ion: 75 Resp: 67
Ion Ratio Lower Upper
75 100
155 0.0 36.8 110.3#
157 0.0 48.4 145.0#



#95
Naphthalene
Concen: 62.144 ug/l
RT: 15.384 min Scan# 2289
Delta R.T. -0.000 min
Lab File: VD072362.D
Acq: 22 Mar 2022 14:39

Tgt Ion:128 Resp: 16677
Ion Ratio Lower Upper
128 100
127 14.0 10.3 15.5
129 9.2 8.4 12.6

