

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD032222\
 Data File : VD072363.D
 Acq On : 22 Mar 2022 15:07
 Operator : VA/SY
 Sample : N1966-15
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 G-2-1-1-2

Quant Time: Mar 23 01:12:50 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)

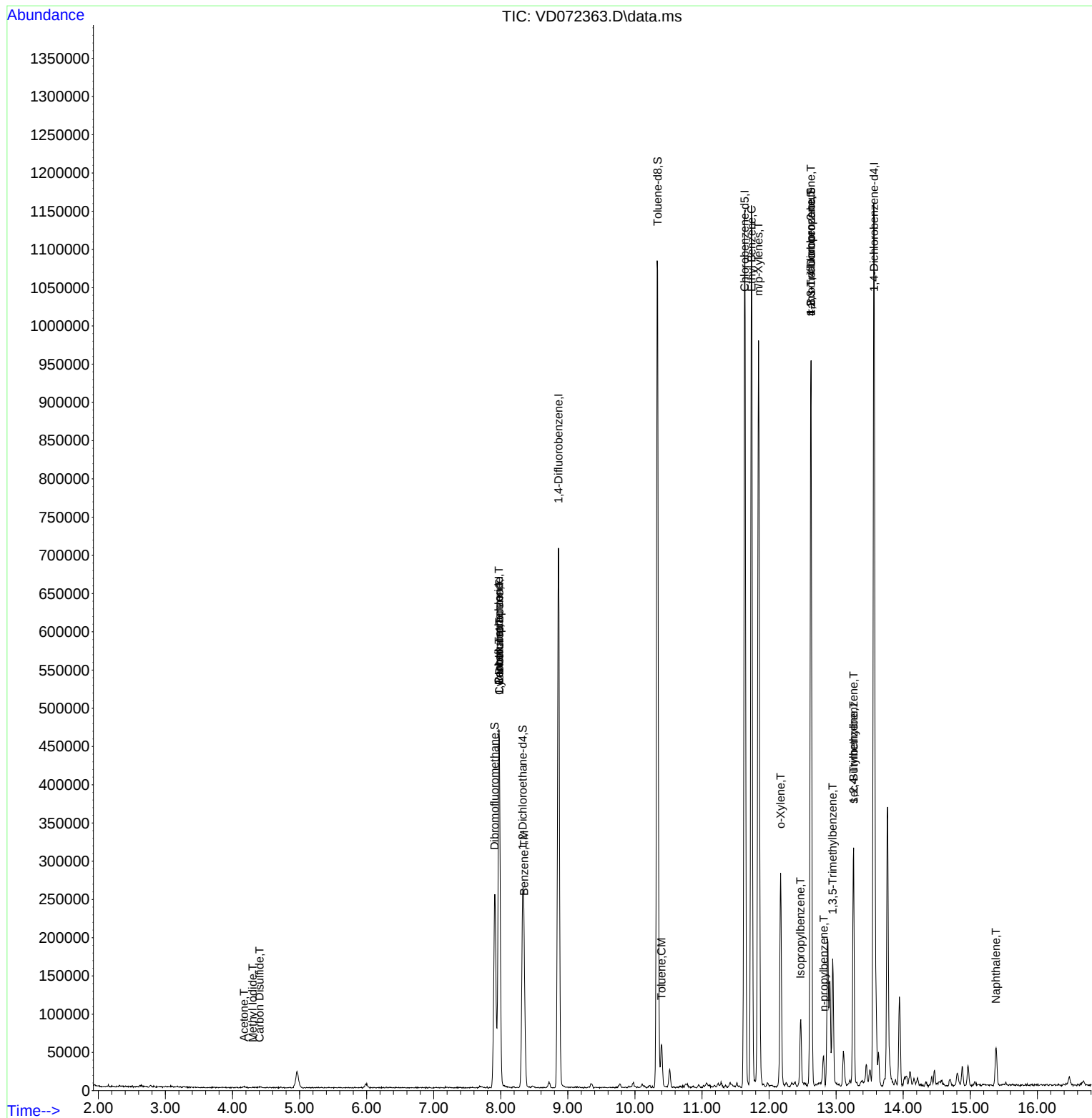
Internal Standards						
1) Pentafluorobenzene	7.973	168	333165	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	592390	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	641326	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	307563	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	166990	44.975	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	89.960%		
35) Dibromofluoromethane	7.908	113	182801	43.851	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	87.700%		
50) Toluene-d8	10.338	98	742179	48.690	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	97.380%		
62) 4-Bromofluorobenzene	12.626	95	314927	53.173	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	106.340%		
Target Compounds						Qvalue
10) Methyl Iodide	4.303	142	486	2.363	ug/l #	52
16) Acetone	4.173	43	1798	2.230	ug/l #	47
17) Carbon Disulfide	4.403	76	2445	1.833	ug/l #	74
20) Methylene Chloride	4.961	84	15518	Below Cal		96
31) Cyclohexane	7.979	56	8346	1.439	ug/l #	1
36) 1,1-Dichloropropene	7.979	75	29259	5.003	ug/l #	52
38) Carbon Tetrachloride	7.973	117	34666	5.215	ug/l #	17
40) Benzene	8.350	78	127316	7.631	ug/l	100
52) Toluene	10.396	92	21507	1.959	ug/l	93
67) Ethyl Benzene	11.738	91	804026	31.662	ug/l	99
68) m/p-Xylenes	11.843	106	299423	31.052	ug/l	98
69) o-Xylene	12.173	106	72183	7.826	ug/l	97
73) Isopropylbenzene	12.467	105	53697	2.203	ug/l	100
76) 1,2,3-Trichloropropane	12.626	75	163151	48.089	ug/l #	100
78) n-propylbenzene	12.814	91	31265	1.056	ug/l	97
80) 1,3,5-Trimethylbenzene	12.949	105	84104	4.017	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.626	75	163151	119.314	ug/l #	7
84) 1,2,4-Trimethylbenzene	13.261	105	173307	8.400	ug/l	99
85) sec-Butylbenzene	13.261	105	173307	6.287	ug/l #	57
95) Naphthalene	15.384	128	44416	3.883	ug/l	100

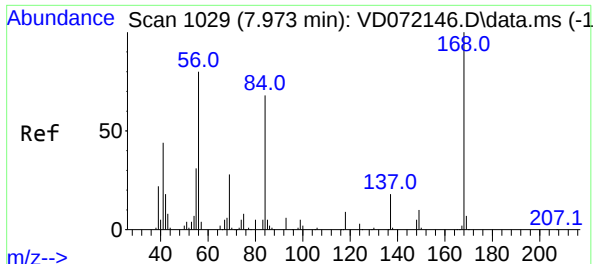
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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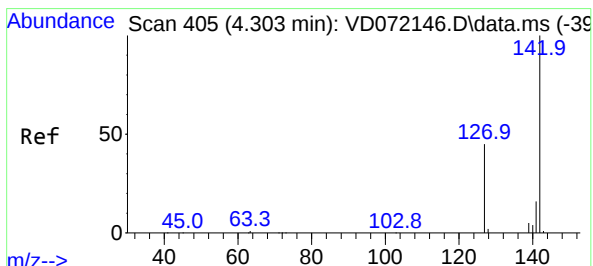
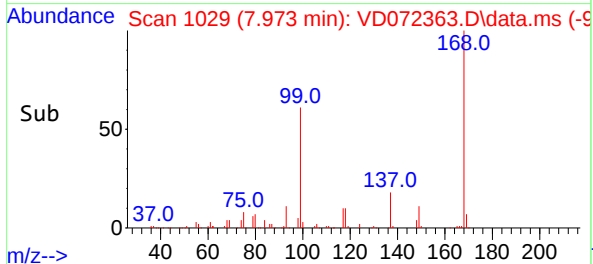
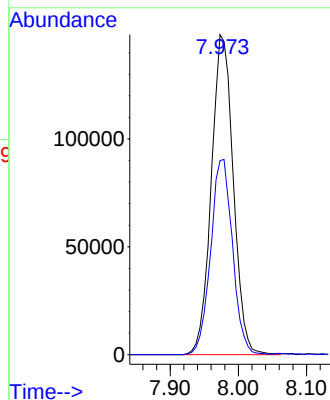
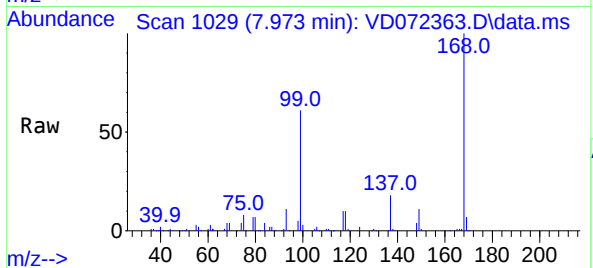




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD072363.D
Acq: 22 Mar 2022 15:07

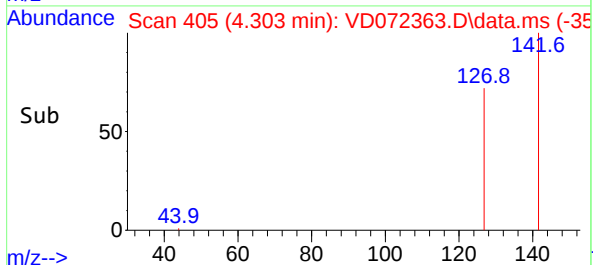
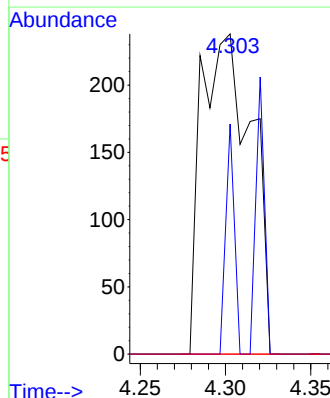
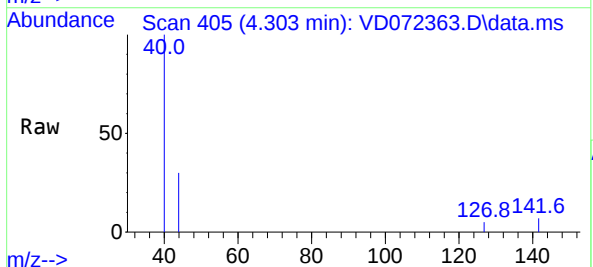
Instrument :
MSVOA_D
ClientSampleId :
G-2-1-1-2

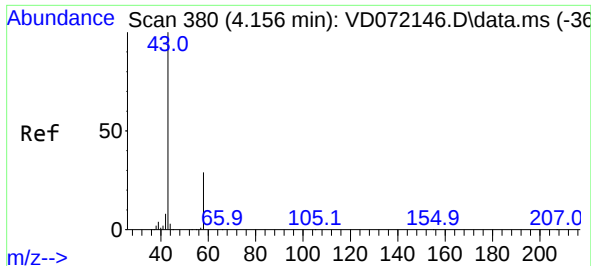
Tgt Ion:168 Resp: 333165
Ion Ratio Lower Upper
168 100
99 60.6 49.8 74.6



#10
Methyl Iodide
Concen: 2.363 ug/l
RT: 4.303 min Scan# 405
Delta R.T. -0.000 min
Lab File: VD072363.D
Acq: 22 Mar 2022 15:07

Tgt Ion:142 Resp: 486
Ion Ratio Lower Upper
142 100
127 12.3 37.3 55.9#
141 0.0 11.7 17.5#

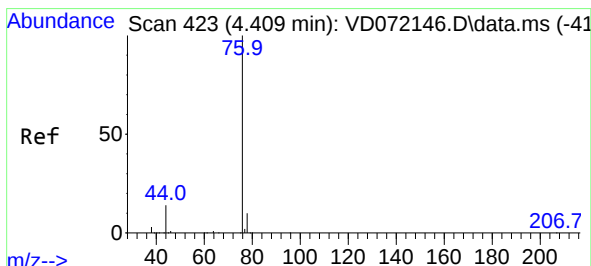
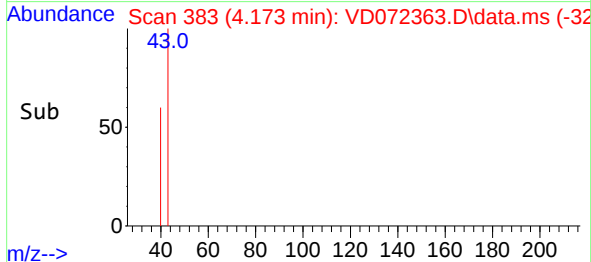
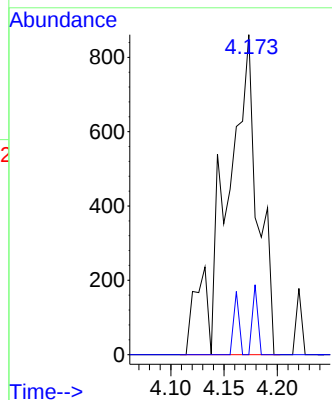
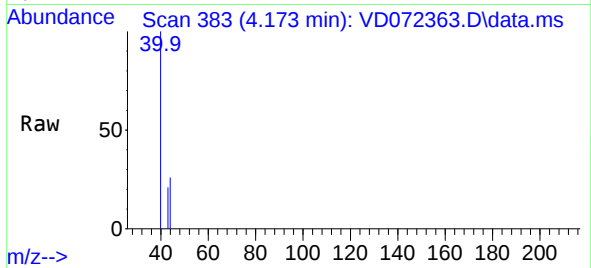




#16
Acetone
Concen: 2.230 ug/l
RT: 4.173 min Scan# 383
Delta R.T. 0.018 min
Lab File: VD072363.D
Acq: 22 Mar 2022 15:07

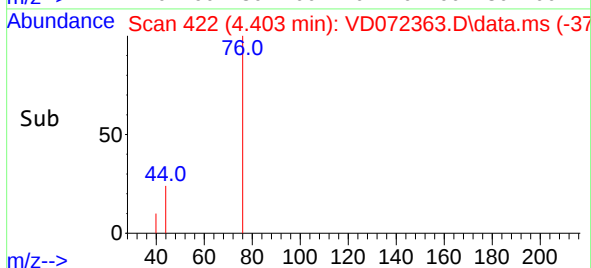
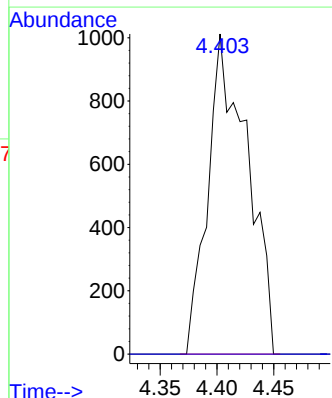
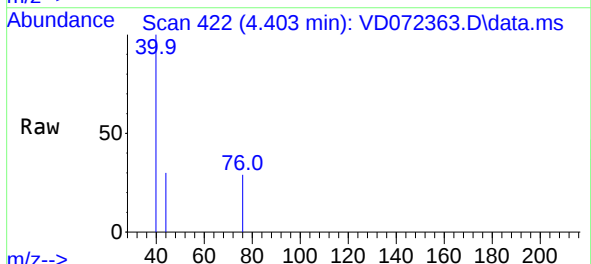
Instrument :
MSVOA_D
ClientSampleId :
G-2-1-1-2

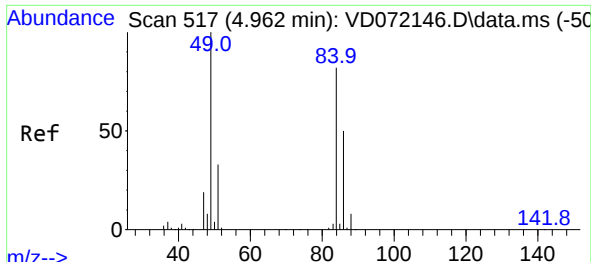
Tgt Ion: 43 Resp: 1798
Ion Ratio Lower Upper
43 100
58 0.0 22.1 33.1#



#17
Carbon Disulfide
Concen: 1.833 ug/l
RT: 4.403 min Scan# 422
Delta R.T. -0.006 min
Lab File: VD072363.D
Acq: 22 Mar 2022 15:07

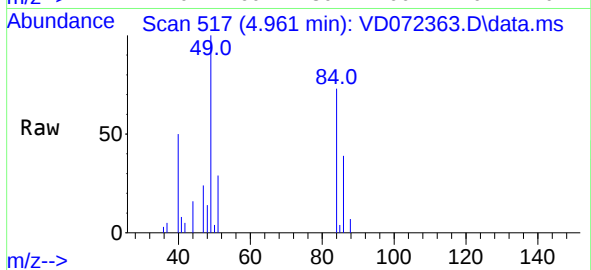
Tgt Ion: 76 Resp: 2445
Ion Ratio Lower Upper
76 100
78 0.0 7.5 11.3#





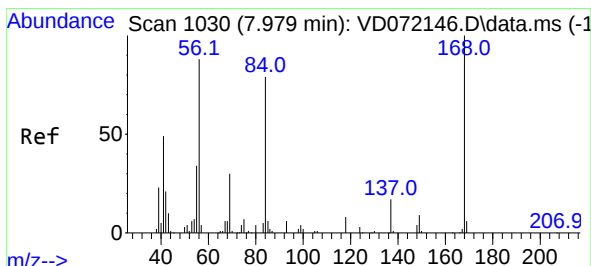
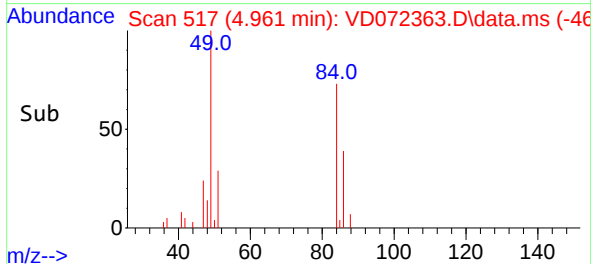
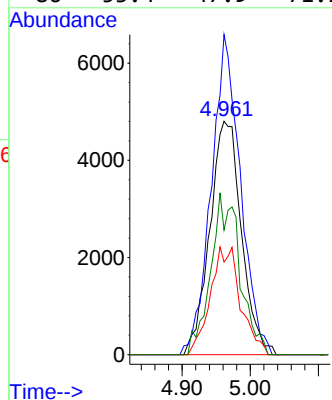
#20
Methylene Chloride
Concen: Below Cal
RT: 4.961 min Scan# 517
Delta R.T. -0.001 min
Lab File: VD072363.D
Acq: 22 Mar 2022 15:07

Instrument :
MSVOA_D
ClientSampleId :
G-2-1-1-2



Tgt Ion: 84 Resp: 15518

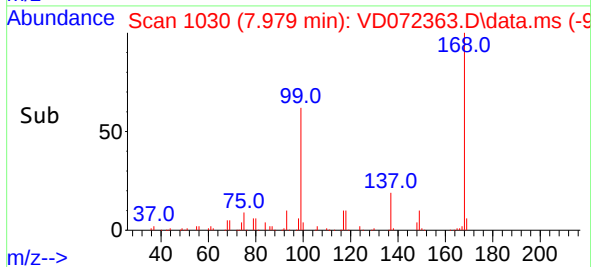
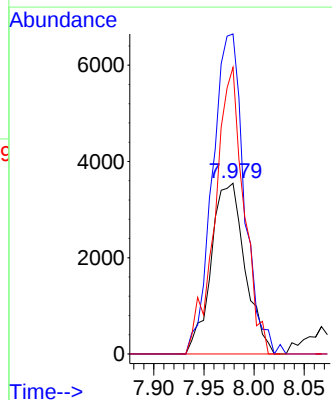
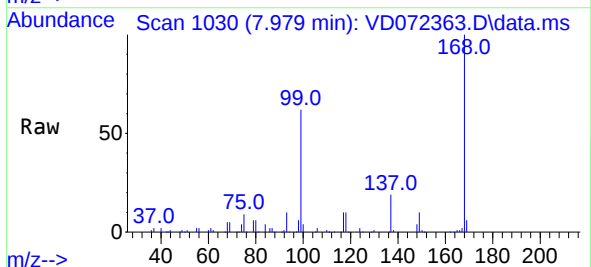
Ion	Ratio	Lower	Upper
84	100		
49	137.0	112.8	169.2
51	39.6	32.6	48.8
86	53.4	47.9	71.9

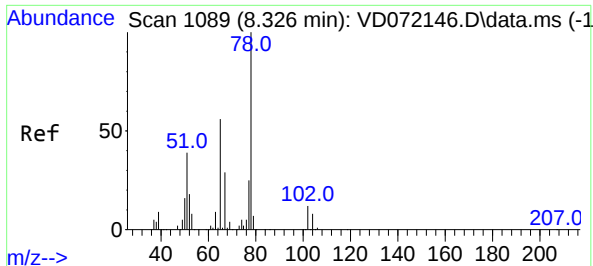


#31
Cyclohexane
Concen: 1.439 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD072363.D
Acq: 22 Mar 2022 15:07

Tgt Ion: 56 Resp: 8346

Ion	Ratio	Lower	Upper
56	100		
69	187.3	25.4	38.2#
84	167.8	63.0	94.4#





#33

1,2-Dichloroethane-d4

Concen: 44.975 ug/l

RT: 8.326 min Scan# 1

Delta R.T. -0.000 min

Lab File: VD072363.D

Acq: 22 Mar 2022 15:07

Instrument :

MSVOA_D

ClientSampleId :

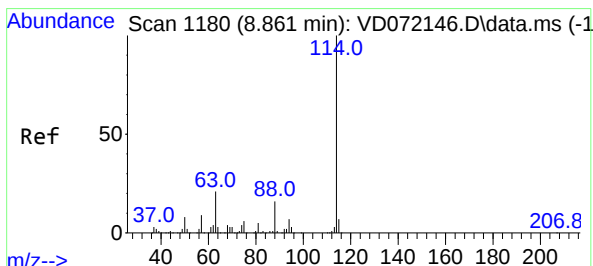
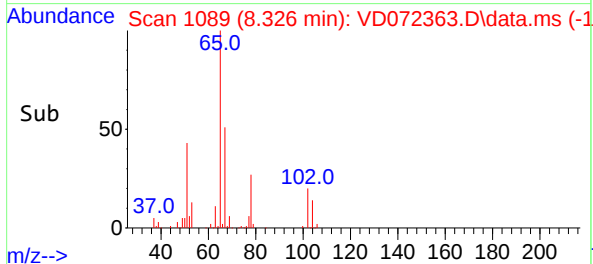
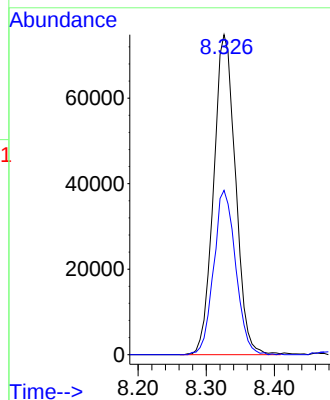
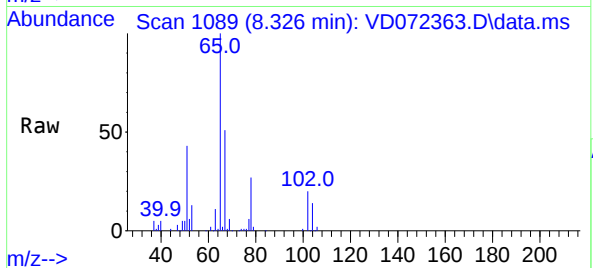
G-2-1-1-2

Tgt Ion: 65 Resp: 166990

Ion Ratio Lower Upper

65 100

67 51.7 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: VD072363.D

Acq: 22 Mar 2022 15:07

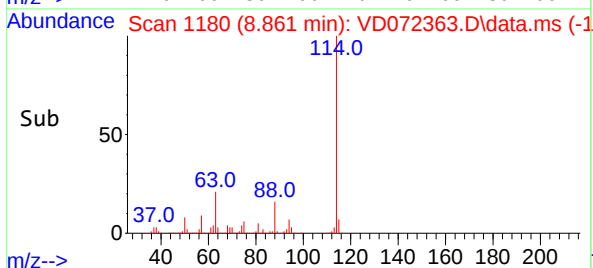
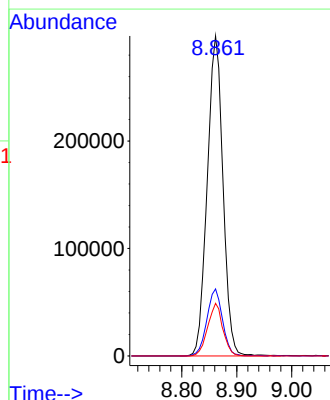
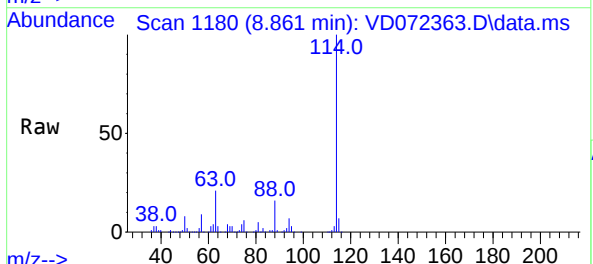
Tgt Ion: 114 Resp: 592390

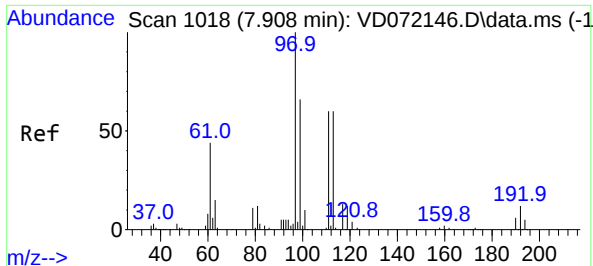
Ion Ratio Lower Upper

114 100

63 20.9 0.0 46.6

88 16.5 0.0 33.2

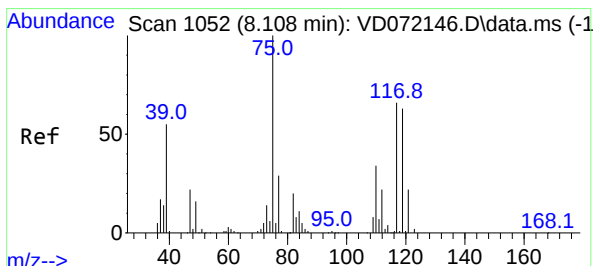
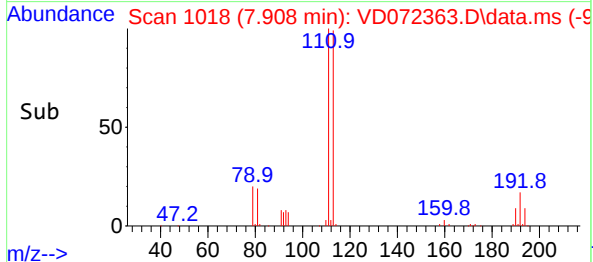
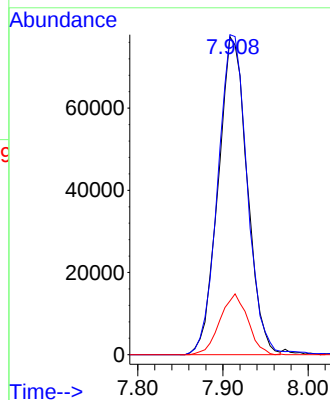
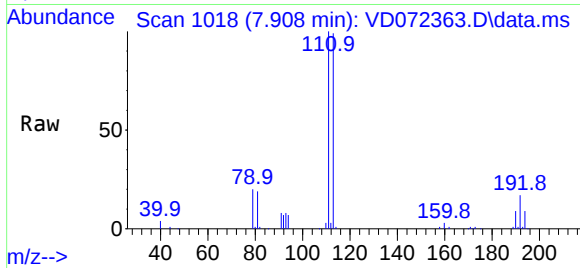




#35
Dibromofluoromethane
Concen: 43.851 ug/l
RT: 7.908 min Scan# 1018
Delta R.T. -0.000 min
Lab File: VD072363.D
Acq: 22 Mar 2022 15:07

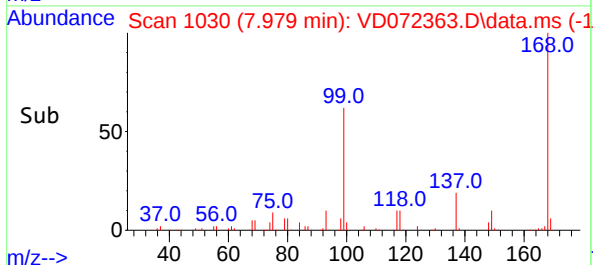
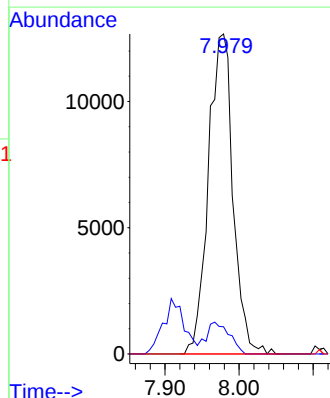
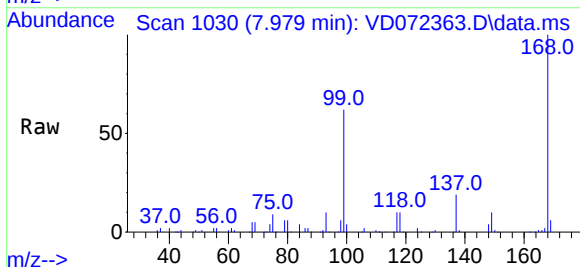
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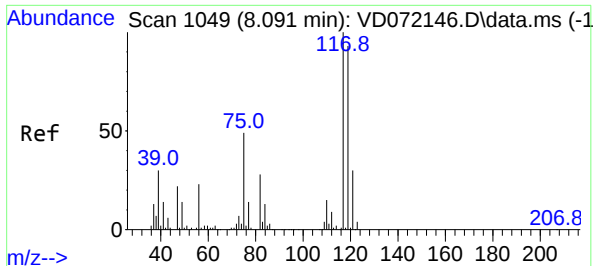
Tgt Ion:113 Resp: 182801
Ion Ratio Lower Upper
113 100
111 102.5 83.8 125.6
192 18.4 14.6 21.8



#36
1,1-Dichloropropene
Concen: 5.003 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.130 min
Lab File: VD072363.D
Acq: 22 Mar 2022 15:07

Tgt Ion: 75 Resp: 29259
Ion Ratio Lower Upper
75 100
110 9.4 16.4 49.1#
77 0.0 24.2 36.2#

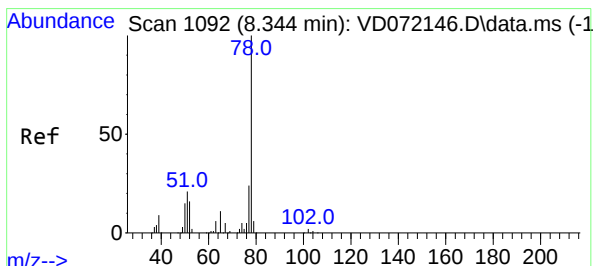
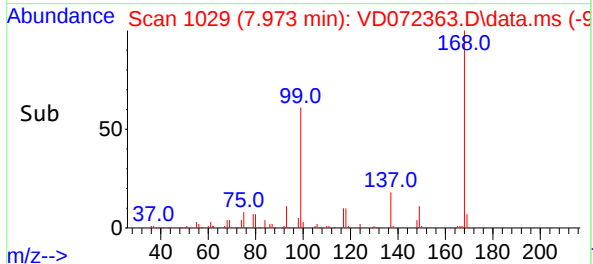
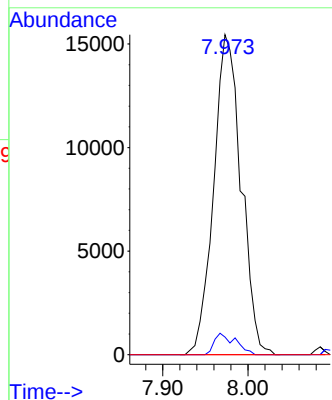
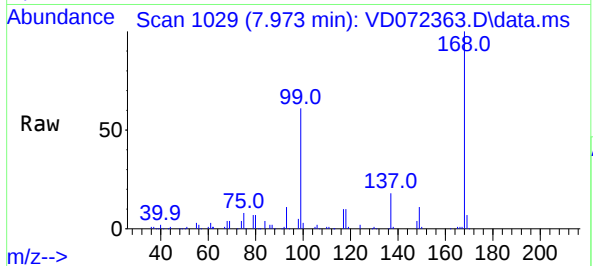




#38
Carbon Tetrachloride
Concen: 5.215 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.118 min
Lab File: VD072363.D
Acq: 22 Mar 2022 15:07

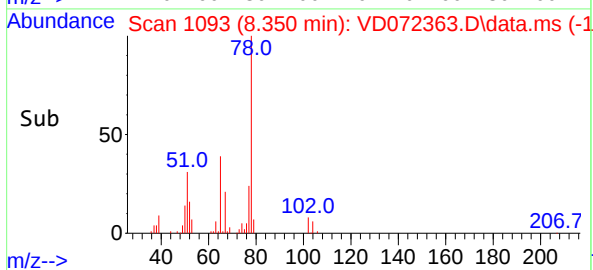
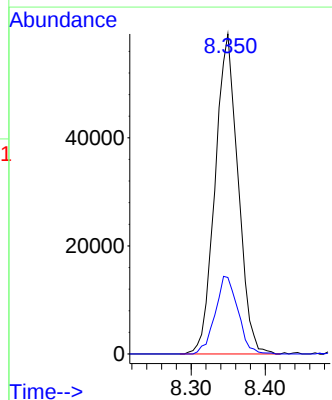
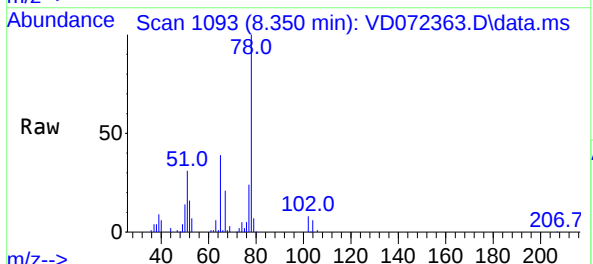
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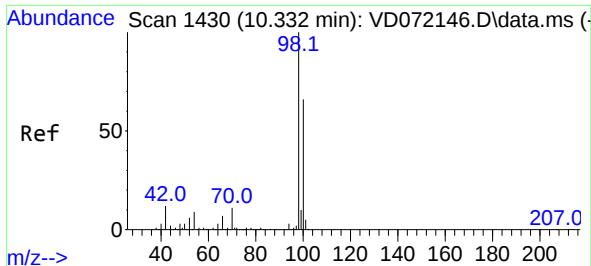
Tgt Ion:117 Resp: 34666
Ion Ratio Lower Upper
117 100
119 5.5 75.8 113.6#
121 0.0 24.5 36.7#



#40
Benzene
Concen: 7.631 ug/l
RT: 8.350 min Scan# 1093
Delta R.T. 0.006 min
Lab File: VD072363.D
Acq: 22 Mar 2022 15:07

Tgt Ion: 78 Resp: 127316
Ion Ratio Lower Upper
78 100
77 23.9 19.1 28.7

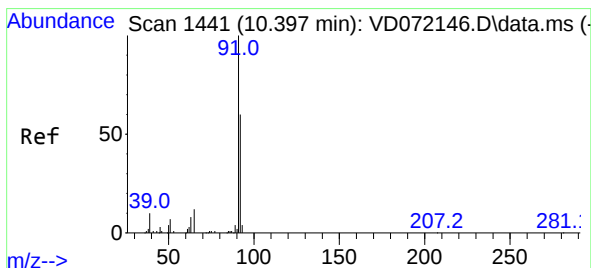
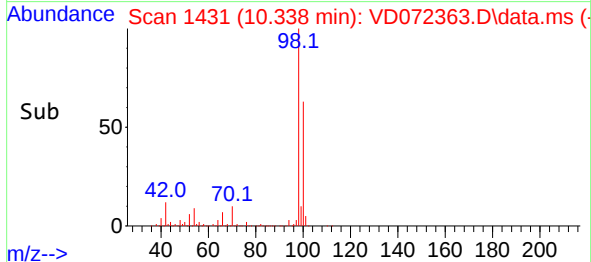
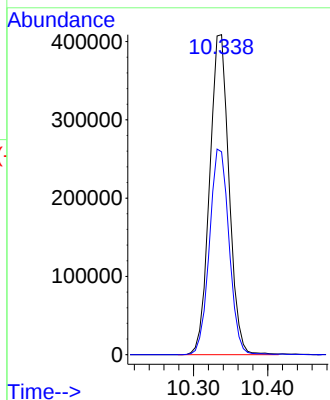
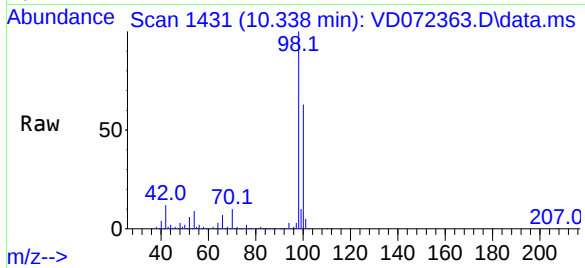




#50
Toluene-d8
Concen: 48.690 ug/l
RT: 10.338 min Scan# 1430
Delta R.T. 0.006 min
Lab File: VD072363.D
Acq: 22 Mar 2022 15:07

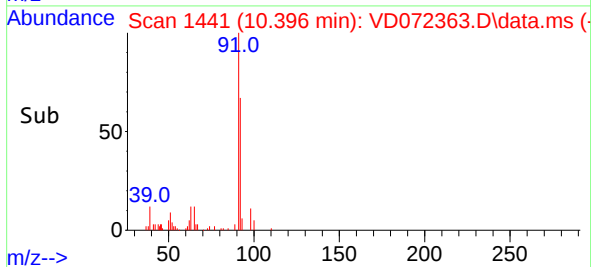
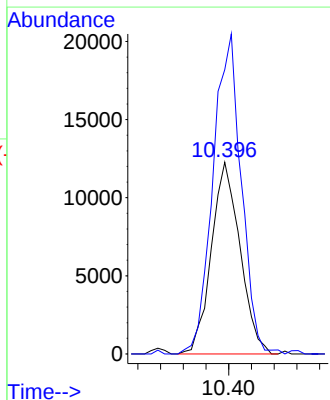
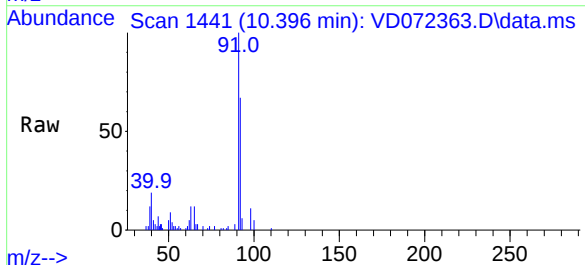
Instrument :
MSVOA_D
ClientSampleId :
G-2-1-1-2

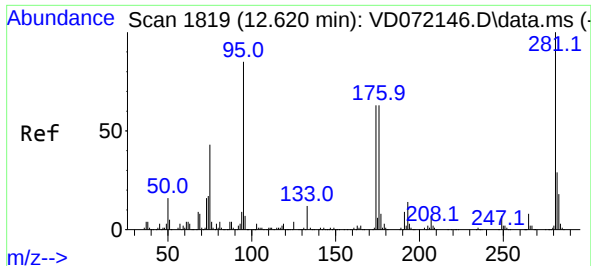
Tgt Ion: 98 Resp: 742179
Ion Ratio Lower Upper
98 100
100 65.0 52.4 78.6



#52
Toluene
Concen: 1.959 ug/l
RT: 10.396 min Scan# 1441
Delta R.T. -0.000 min
Lab File: VD072363.D
Acq: 22 Mar 2022 15:07

Tgt Ion: 92 Resp: 21507
Ion Ratio Lower Upper
92 100
91 164.7 139.6 209.4

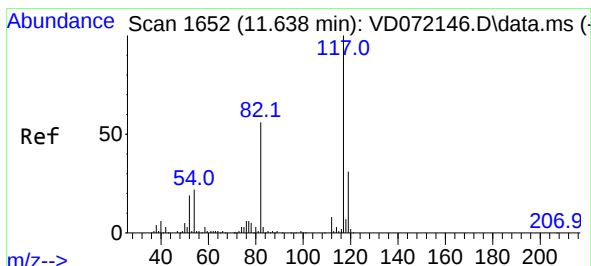
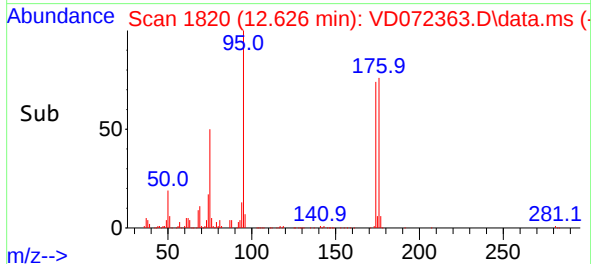
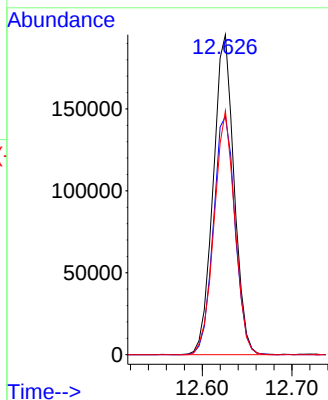
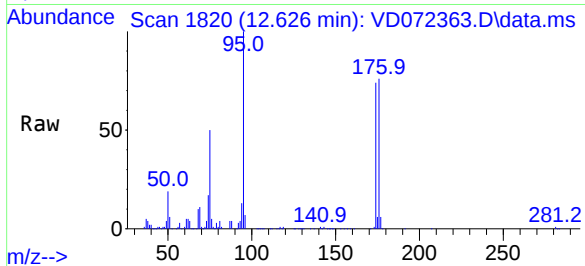




#62
4-Bromofluorobenzene
Concen: 53.173 ug/l
RT: 12.626 min Scan# 1819
Delta R.T. 0.006 min
Lab File: VD072363.D
Acq: 22 Mar 2022 15:07

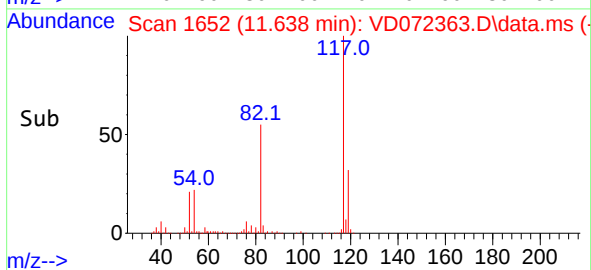
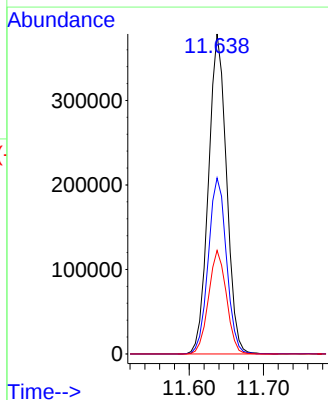
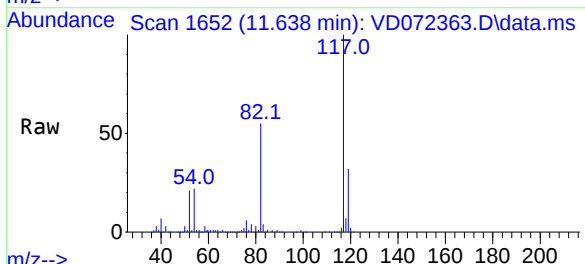
Instrument :
MSVOA_D
ClientSampleId :
G-2-1-1-2

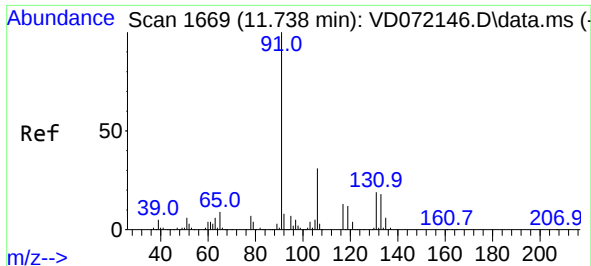
Tgt Ion: 95 Resp: 314927
Ion Ratio Lower Upper
95 100
174 77.4 0.0 152.8
176 75.7 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD072363.D
Acq: 22 Mar 2022 15:07

Tgt Ion: 117 Resp: 641326
Ion Ratio Lower Upper
117 100
82 55.0 45.3 67.9
119 32.4 26.6 40.0

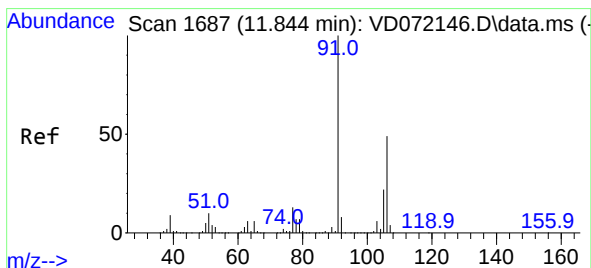
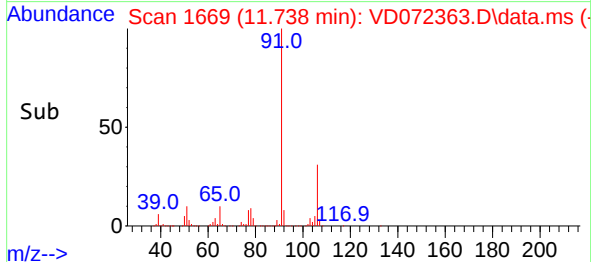
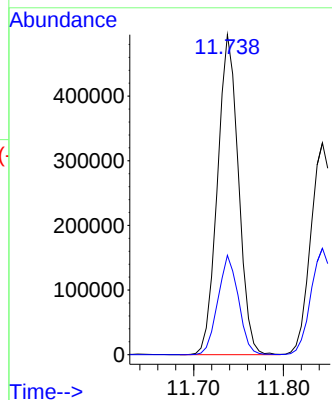
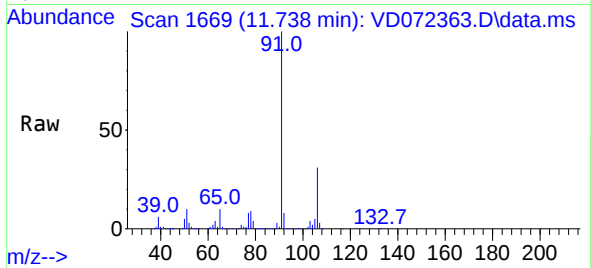




#67
Ethyl Benzene
Concen: 31.662 ug/l
RT: 11.738 min Scan# 1669
Delta R.T. -0.000 min
Lab File: VD072363.D
Acq: 22 Mar 2022 15:07

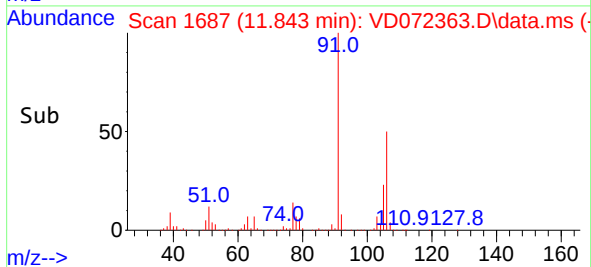
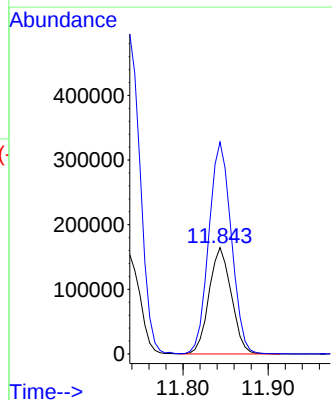
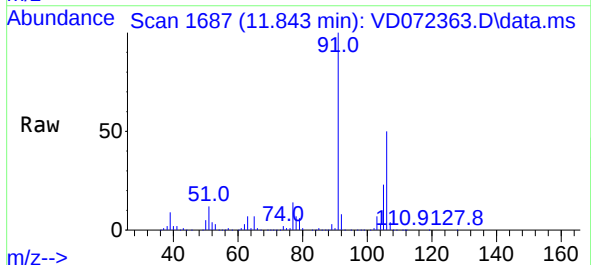
Instrument :
MSVOA_D
ClientSampleId :
G-2-1-1-2

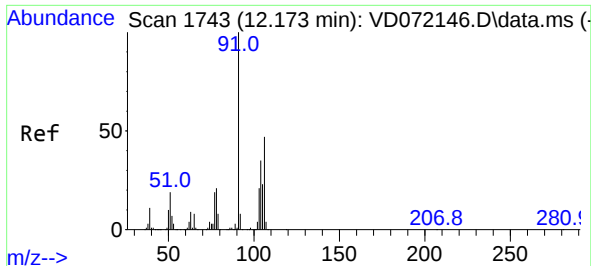
Tgt Ion: 91 Resp: 804026
Ion Ratio Lower Upper
91 100
106 31.1 24.2 36.4



#68
m/p-Xylenes
Concen: 31.052 ug/l
RT: 11.843 min Scan# 1687
Delta R.T. -0.000 min
Lab File: VD072363.D
Acq: 22 Mar 2022 15:07

Tgt Ion: 106 Resp: 299423
Ion Ratio Lower Upper
106 100
91 201.4 163.7 245.5

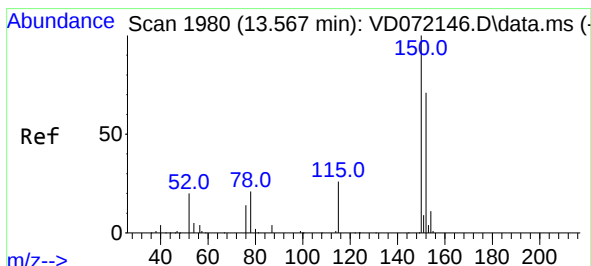
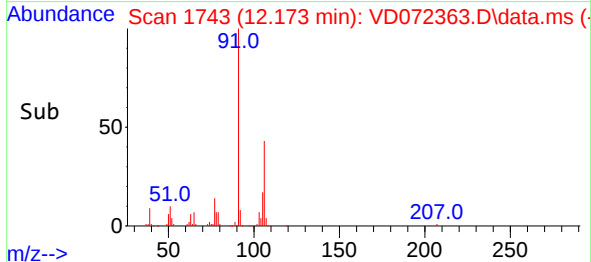
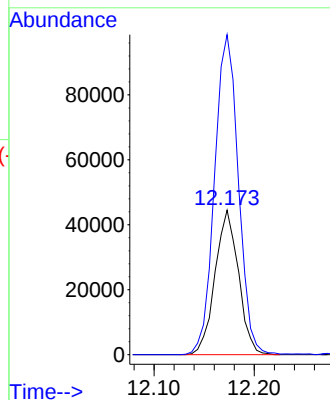
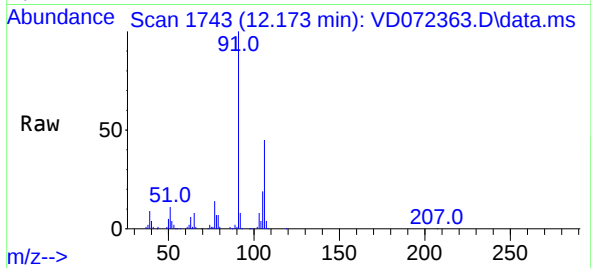




#69
o-Xylene
Concen: 7.826 ug/l
RT: 12.173 min Scan# 1743
Delta R.T. -0.000 min
Lab File: VD072363.D
Acq: 22 Mar 2022 15:07

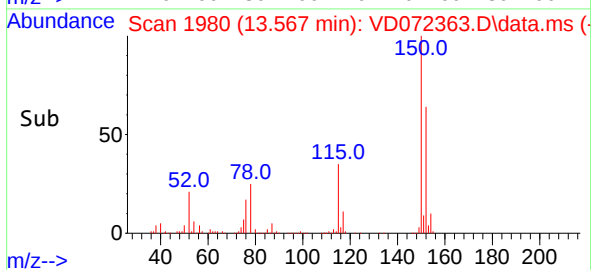
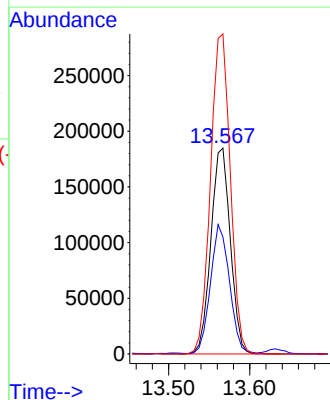
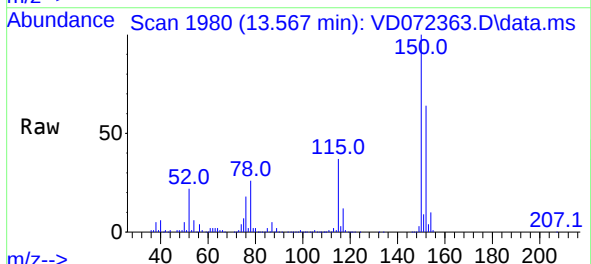
Instrument :
MSVOA_D
ClientSampleId :
G-2-1-1-2

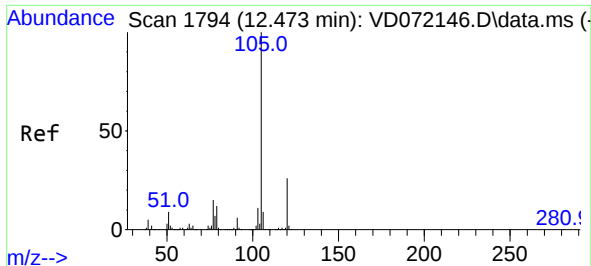
Tgt Ion:106 Resp: 72183
Ion Ratio Lower Upper
106 100
91 225.2 110.4 331.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD072363.D
Acq: 22 Mar 2022 15:07

Tgt Ion:152 Resp: 307563
Ion Ratio Lower Upper
152 100
115 61.2 31.3 93.8
150 158.5 0.0 348.6

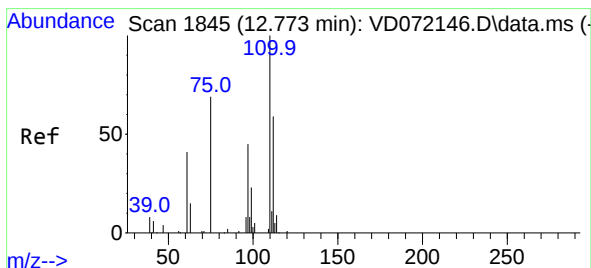
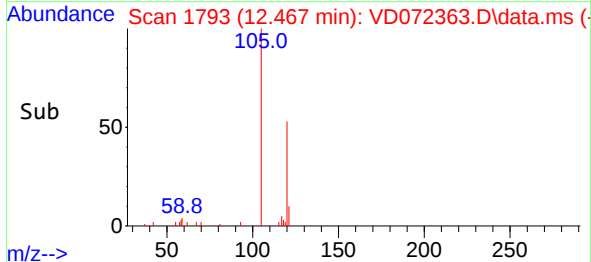
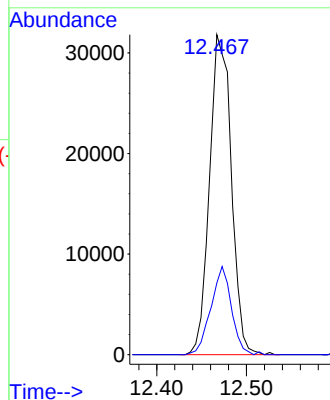
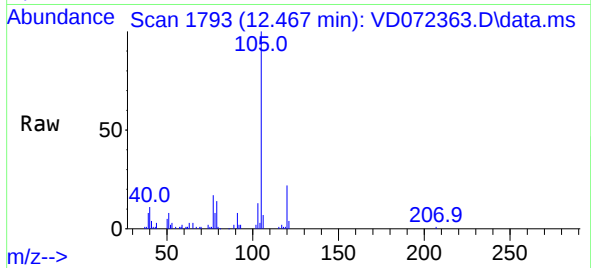




#73
Isopropylbenzene
Concen: 2.203 ug/l
RT: 12.467 min Scan# 11
Delta R.T. -0.006 min
Lab File: VD072363.D
Acq: 22 Mar 2022 15:07

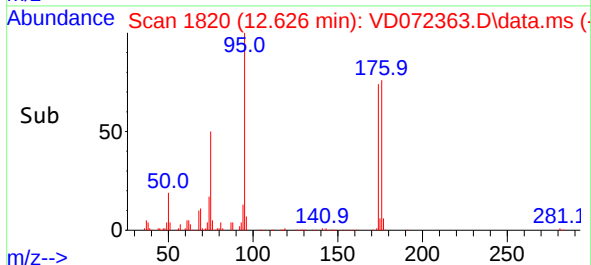
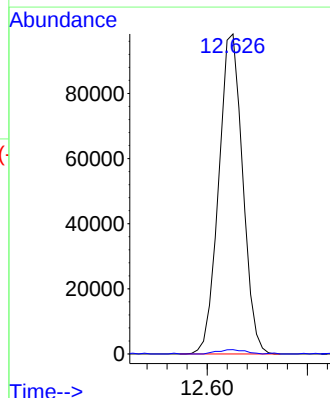
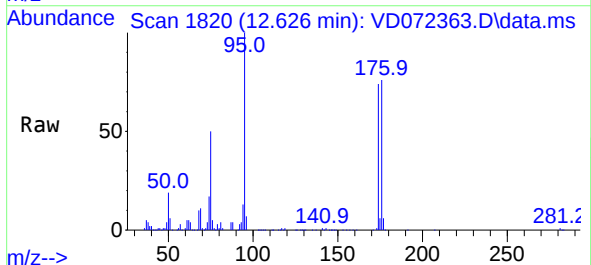
Instrument :
MSVOA_D
ClientSampleId :
G-2-1-1-2

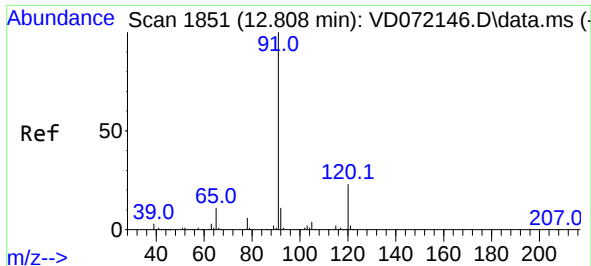
Tgt Ion:105 Resp: 53697
Ion Ratio Lower Upper
105 100
120 26.1 13.0 38.9



#76
1,2,3-Trichloropropane
Concen: 48.089 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD072363.D
Acq: 22 Mar 2022 15:07

Tgt Ion: 75 Resp: 163151
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#

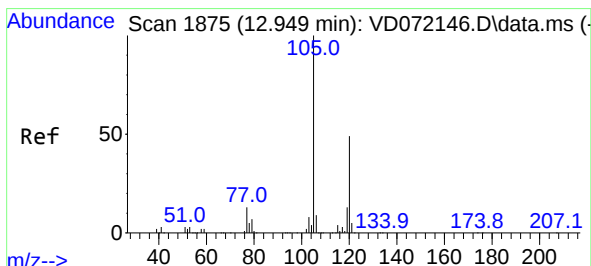
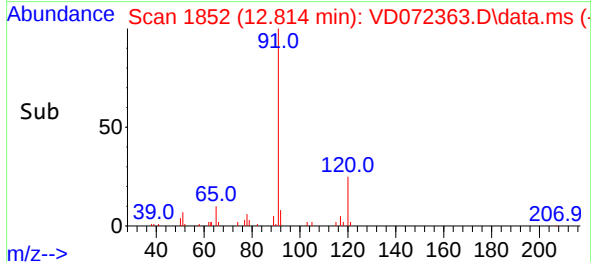
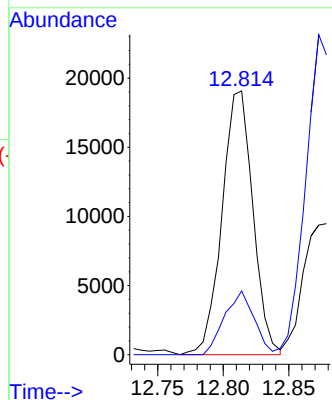
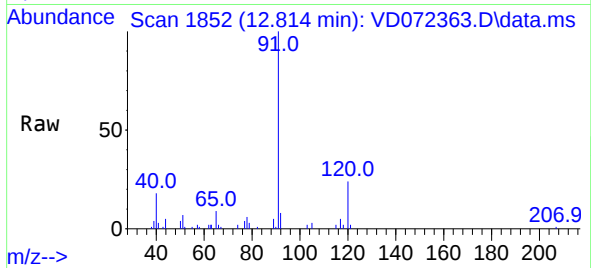




#78
n-propylbenzene
Concen: 1.056 ug/l
RT: 12.814 min Scan# 1852
Delta R.T. 0.006 min
Lab File: VD072363.D
Acq: 22 Mar 2022 15:07

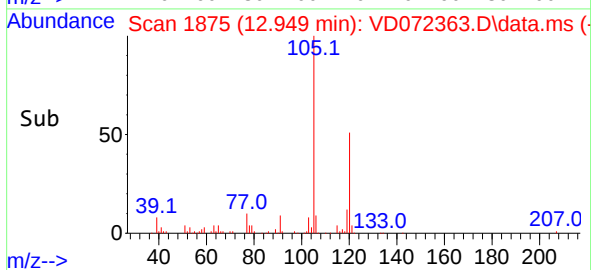
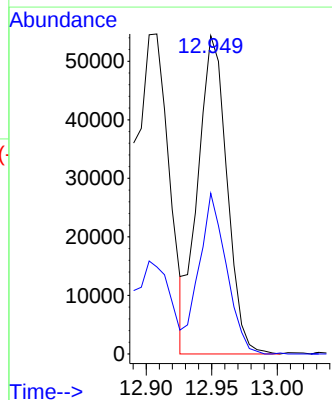
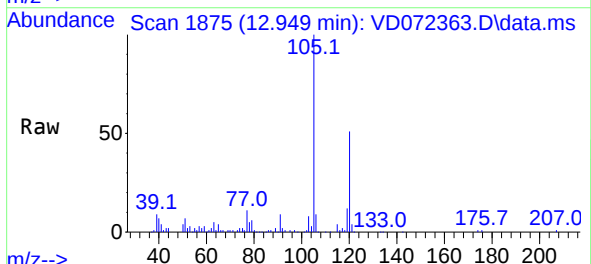
Instrument :
MSVOA_D
ClientSampleId :
G-2-1-1-2

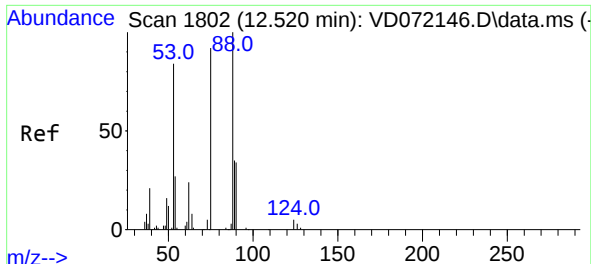
Tgt Ion: 91 Resp: 31265
Ion Ratio Lower Upper
91 100
120 23.1 10.9 32.9



#80
1,3,5-Trimethylbenzene
Concen: 4.017 ug/l
RT: 12.949 min Scan# 1875
Delta R.T. -0.000 min
Lab File: VD072363.D
Acq: 22 Mar 2022 15:07

Tgt Ion: 105 Resp: 84104
Ion Ratio Lower Upper
105 100
120 47.5 24.3 72.8

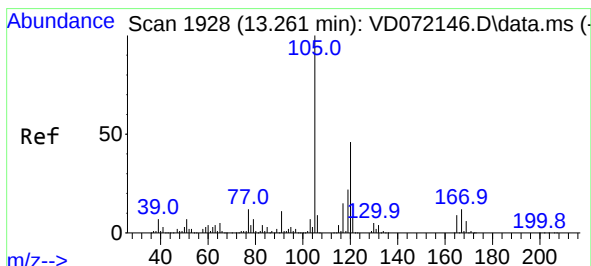
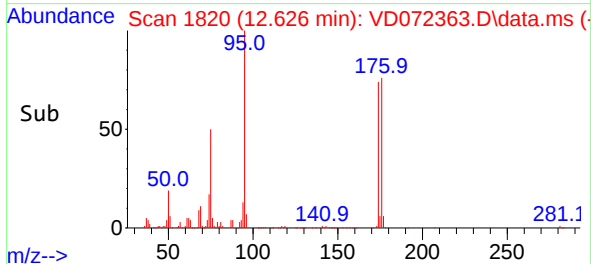
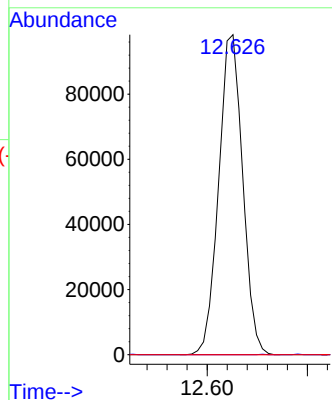
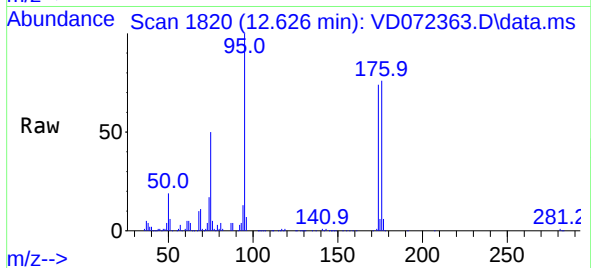




#81
trans-1,4-Dichloro-2-butene
Concen: 119.314 ug/l
RT: 12.626 min Scan# 1802
Delta R.T. 0.106 min
Lab File: VD072363.D
Acq: 22 Mar 2022 15:07

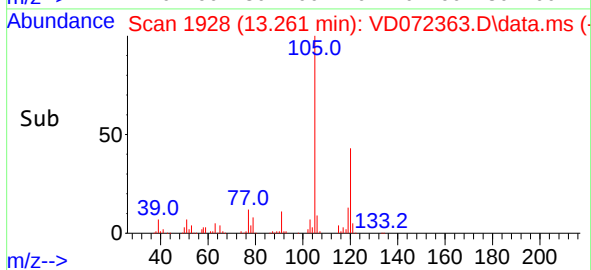
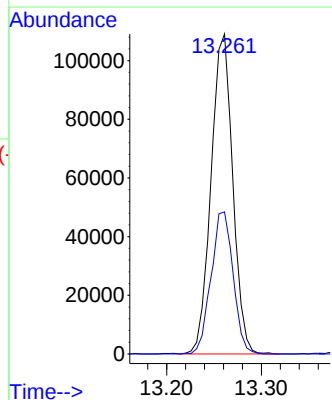
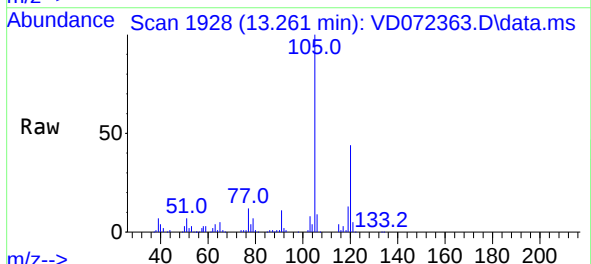
Instrument :
MSVOA_D
ClientSampleId :
G-2-1-1-2

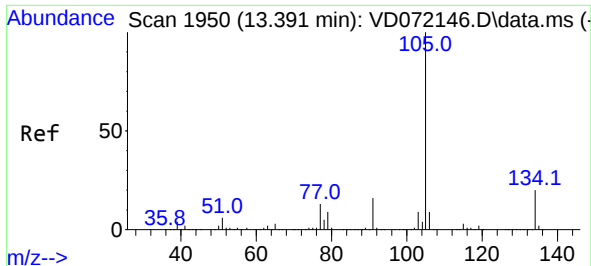
Tgt Ion: 75 Resp: 163151
Ion Ratio Lower Upper
75 100
53 0.0 86.5 129.7#
89 0.0 33.9 50.9#



#84
1,2,4-Trimethylbenzene
Concen: 8.400 ug/l
RT: 13.261 min Scan# 1928
Delta R.T. -0.000 min
Lab File: VD072363.D
Acq: 22 Mar 2022 15:07

Tgt Ion: 105 Resp: 173307
Ion Ratio Lower Upper
105 100
120 45.2 22.3 66.8

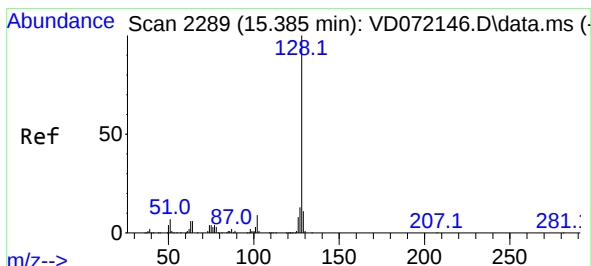
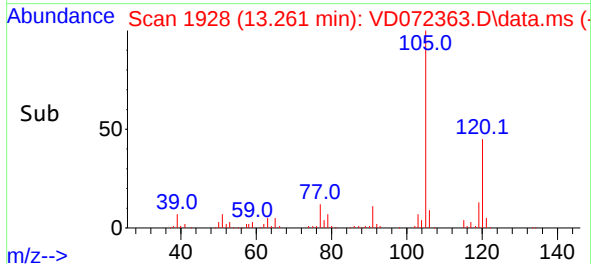
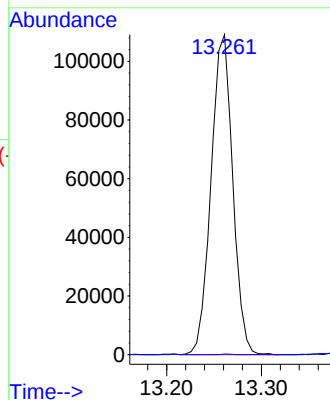
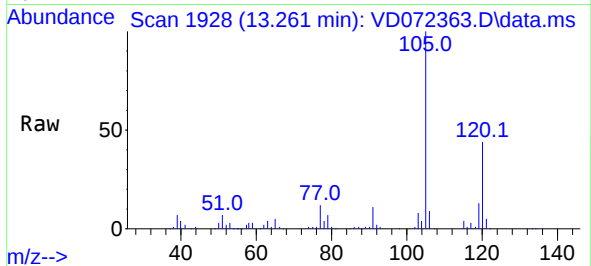




#85
 sec-Butylbenzene
 Concen: 6.287 ug/l
 RT: 13.261 min Scan# 1950
 Delta R.T. -0.130 min
 Lab File: VD072363.D
 Acq: 22 Mar 2022 15:07

Instrument :
 MSVOA_D
 ClientSampleId :
 G-2-1-1-2

Tgt Ion:105 Resp: 173307
 Ion Ratio Lower Upper
 105 100
 134 0.1 9.8 29.3#



#95
 Naphthalene
 Concen: 3.883 ug/l
 RT: 15.384 min Scan# 2289
 Delta R.T. -0.000 min
 Lab File: VD072363.D
 Acq: 22 Mar 2022 15:07

Tgt Ion:128 Resp: 44416
 Ion Ratio Lower Upper
 128 100
 127 13.0 10.3 15.5
 129 10.3 8.4 12.6

