

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD032222\
 Data File : VD072370.D
 Acq On : 22 Mar 2022 18:55
 Operator : VA/SY
 Sample : N2071-01
 Misc : 5.09G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 UNDER-PILE

Quant Time: Mar 23 01:14:54 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)

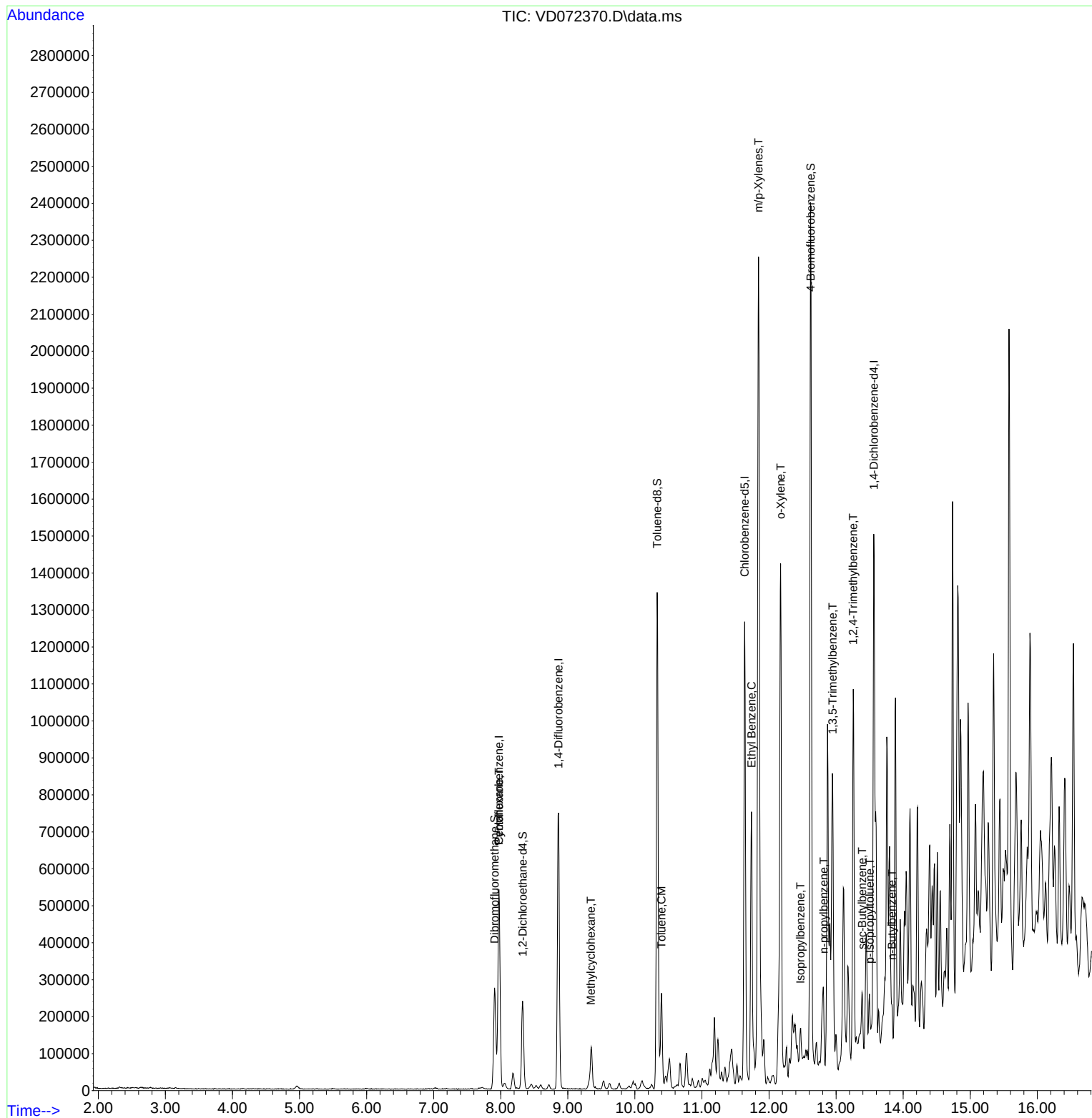
Internal Standards						
1) Pentafluorobenzene	7.973	168	380440	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	644944	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	713700	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	354683	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	184075	43.416	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	86.840%
35) Dibromofluoromethane	7.909	113	197569	43.532	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	87.060%
50) Toluene-d8	10.332	98	822024	49.534	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	99.060%
62) 4-Bromofluorobenzene	12.620	95	364896	56.590	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	113.180%
Target Compounds						
					Qvalue	
31) Cyclohexane	7.973	56	16753	2.529	ug/l #	38
39) Methylcyclohexane	9.344	83	43883	6.125	ug/l	90
52) Toluene	10.397	92	107691	9.010	ug/l	95
67) Ethyl Benzene	11.738	91	503907	17.831	ug/l	97
68) m/p-Xylenes	11.844	106	668652	62.312	ug/l	99
69) o-Xylene	12.173	106	366645	35.721	ug/l	98
73) Isopropylbenzene	12.467	105	63414	2.256	ug/l	99
78) n-propylbenzene	12.814	91	158237	4.635	ug/l	99
80) 1,3,5-Trimethylbenzene	12.949	105	258326	10.698	ug/l	99
84) 1,2,4-Trimethylbenzene	13.255	105	567364	23.847	ug/l	99
85) sec-Butylbenzene	13.391	105	86691	2.727	ug/l	86
86) p-Isopropyltoluene	13.502	119	28482	1.089	ug/l	97
89) n-Butylbenzene	13.832	91	40097	1.608	ug/l #	67

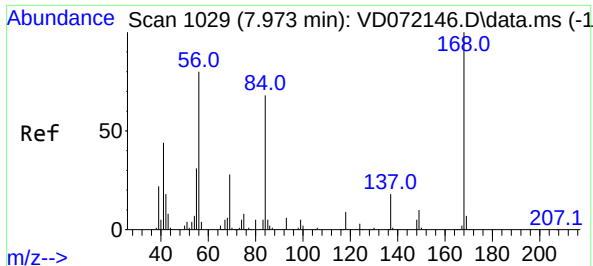
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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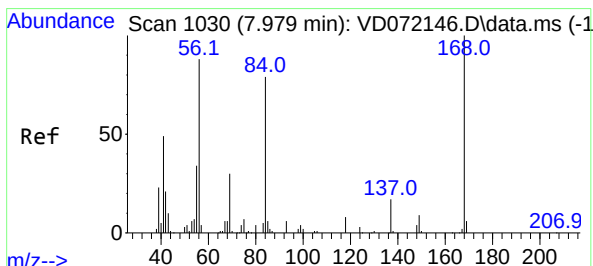
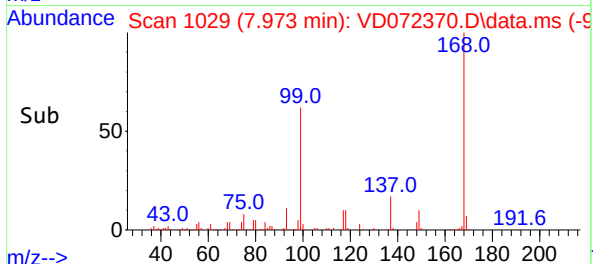
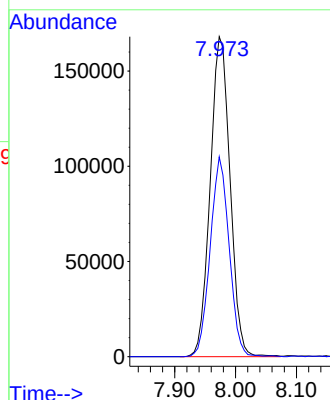
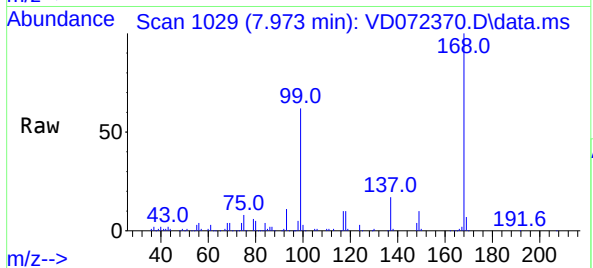




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD072370.D
Acq: 22 Mar 2022 18:55

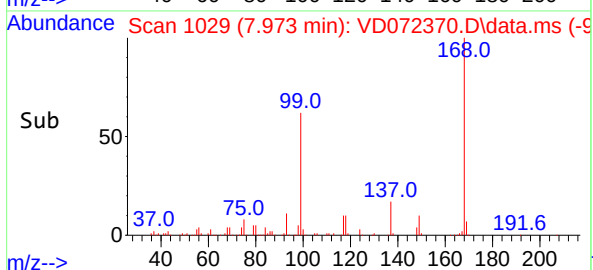
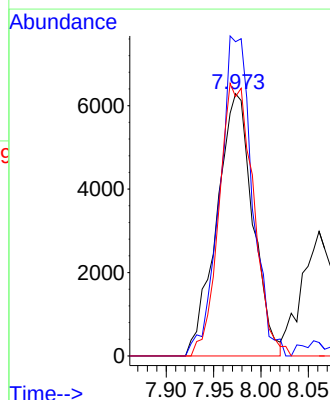
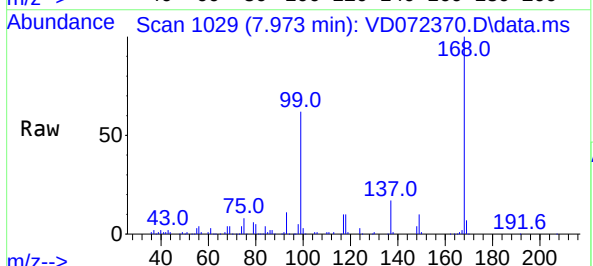
Instrument :
MSVOA_D
ClientSampleId :
UNDER-PILE

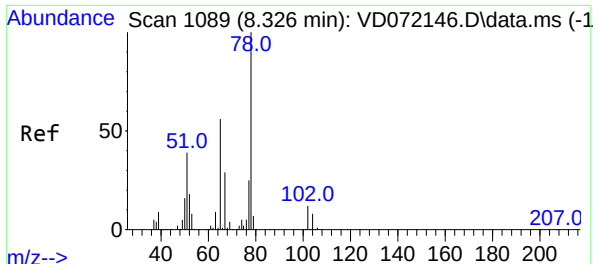
Tgt Ion:168 Resp: 380440
Ion Ratio Lower Upper
168 100
99 62.4 49.8 74.6



#31
Cyclohexane
Concen: 2.529 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.006 min
Lab File: VD072370.D
Acq: 22 Mar 2022 18:55

Tgt Ion: 56 Resp: 16753
Ion Ratio Lower Upper
56 100
69 119.8 25.4 38.2#
84 98.9 63.0 94.4#





#33

1,2-Dichloroethane-d4

Concen: 43.416 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. 0.000 min

Lab File: VD072370.D

Acq: 22 Mar 2022 18:55

Instrument :

MSVOA_D

ClientSampleId :

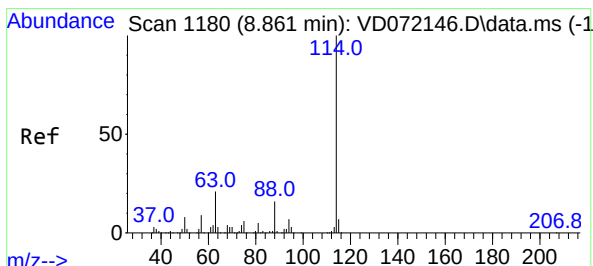
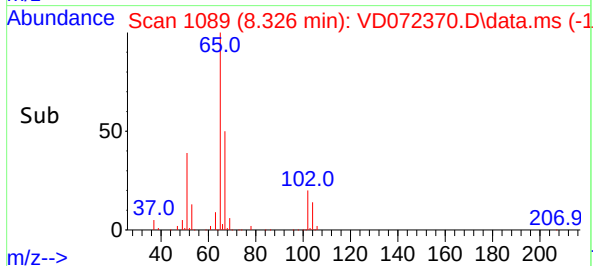
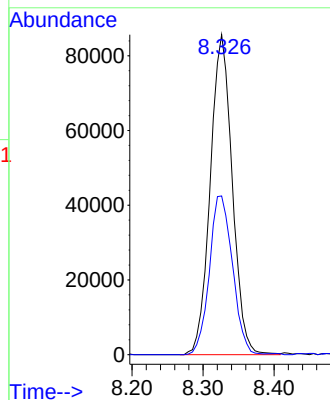
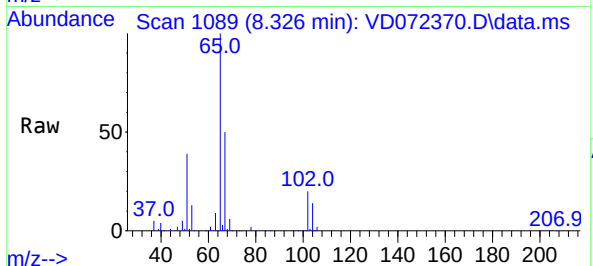
UNDER-PILE

Tgt Ion: 65 Resp: 184075

Ion Ratio Lower Upper

65 100

67 52.1 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: VD072370.D

Acq: 22 Mar 2022 18:55

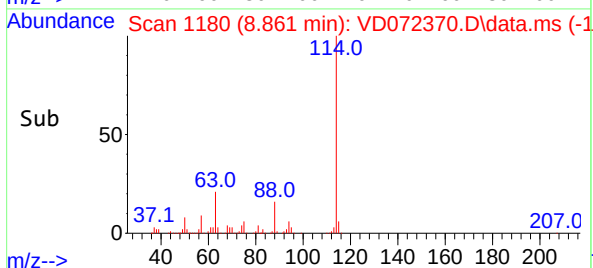
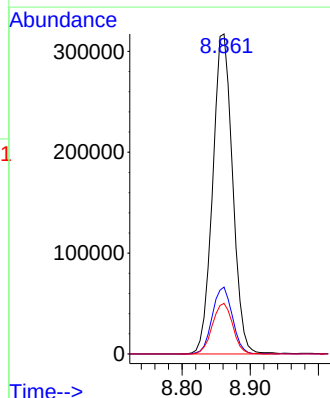
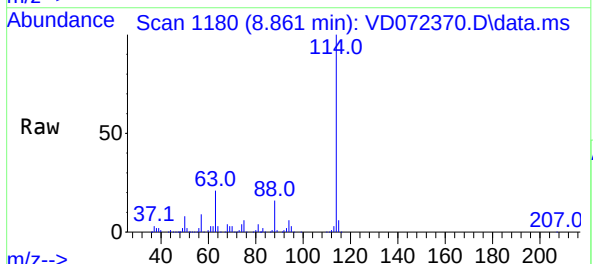
Tgt Ion: 114 Resp: 644944

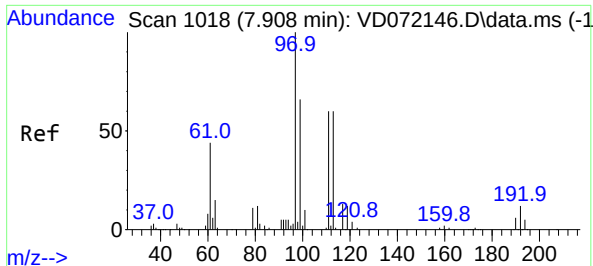
Ion Ratio Lower Upper

114 100

63 20.9 0.0 46.6

88 15.8 0.0 33.2

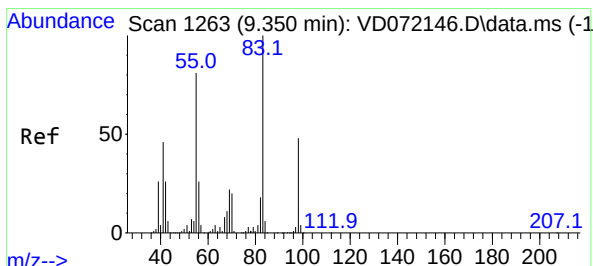
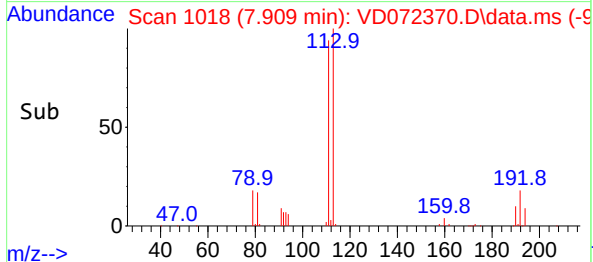
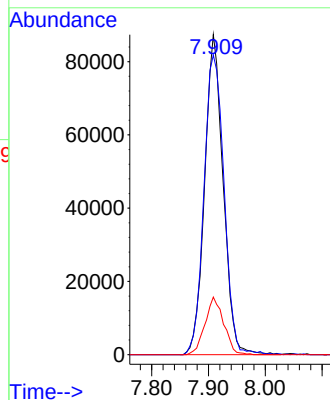
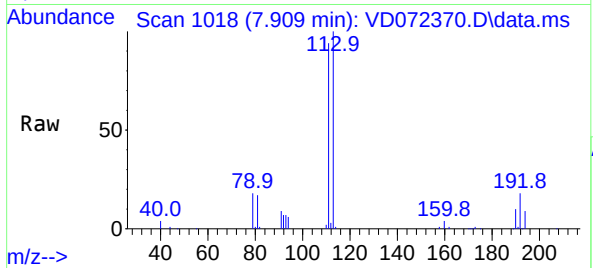




#35
Dibromofluoromethane
Concen: 43.532 ug/l
RT: 7.909 min Scan# 1018
Delta R.T. 0.000 min
Lab File: VD072370.D
Acq: 22 Mar 2022 18:55

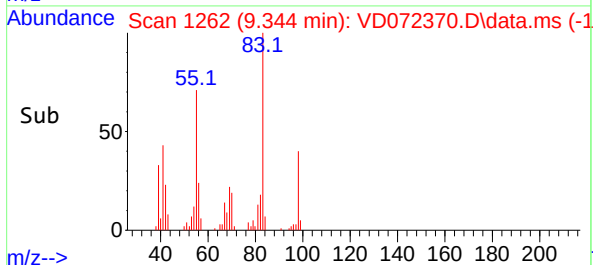
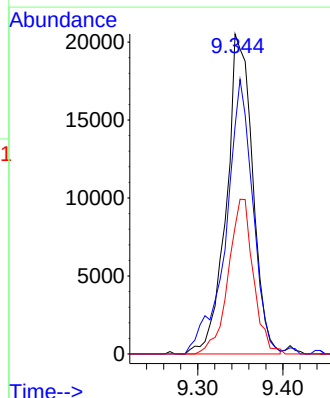
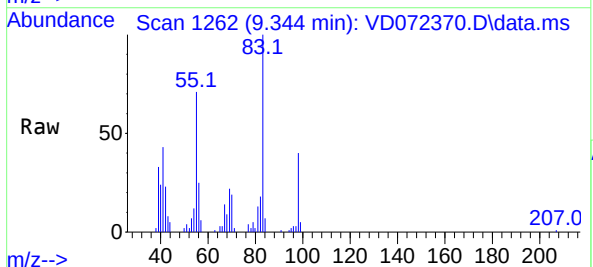
Instrument :
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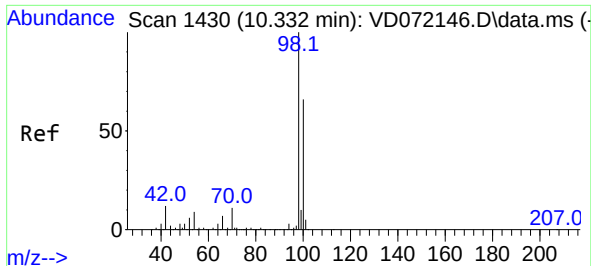
Tgt Ion:113 Resp: 197569
Ion Ratio Lower Upper
113 100
111 101.6 83.8 125.6
192 18.2 14.6 21.8



#39
Methylcyclohexane
Concen: 6.125 ug/l
RT: 9.344 min Scan# 1262
Delta R.T. -0.006 min
Lab File: VD072370.D
Acq: 22 Mar 2022 18:55

Tgt Ion: 83 Resp: 43883
Ion Ratio Lower Upper
83 100
55 71.1 63.2 94.8
98 39.7 38.2 57.4

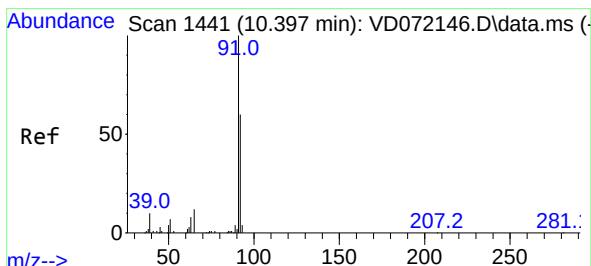
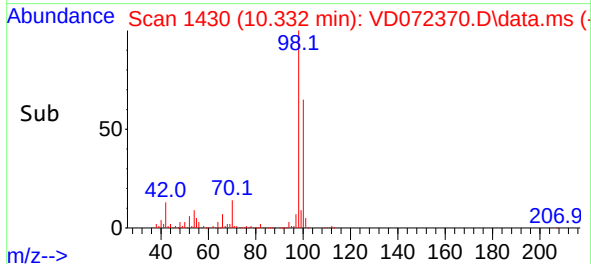
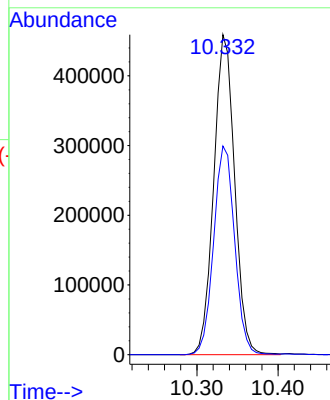
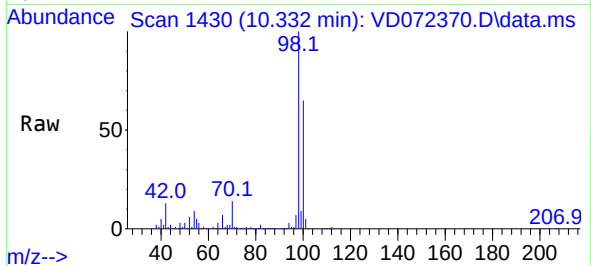




#50
Toluene-d8
Concen: 49.534 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VD072370.D
Acq: 22 Mar 2022 18:55

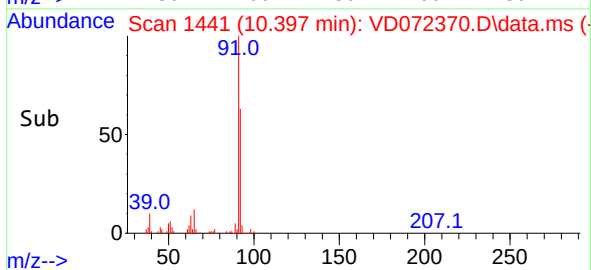
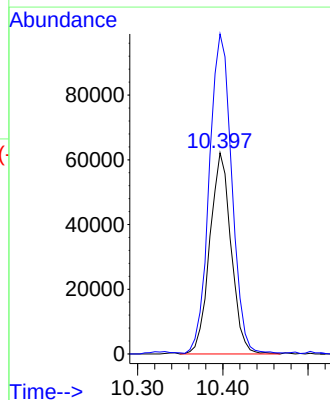
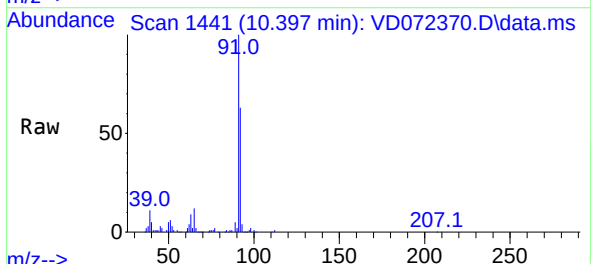
Instrument :
MSVOA_D
ClientSampleId :
UNDER-PILE

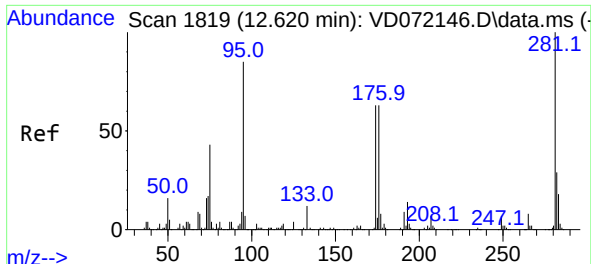
Tgt Ion: 98 Resp: 822024
Ion Ratio Lower Upper
98 100
100 65.5 52.4 78.6



#52
Toluene
Concen: 9.010 ug/l
RT: 10.397 min Scan# 1441
Delta R.T. 0.000 min
Lab File: VD072370.D
Acq: 22 Mar 2022 18:55

Tgt Ion: 92 Resp: 107691
Ion Ratio Lower Upper
92 100
91 167.0 139.6 209.4

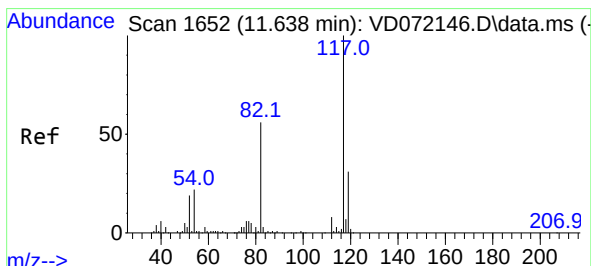
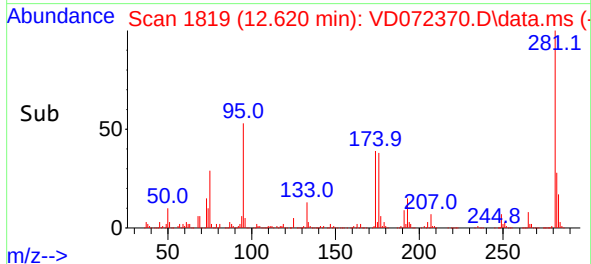
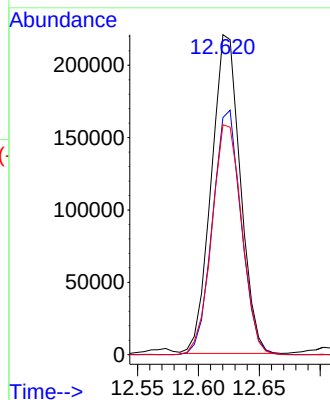
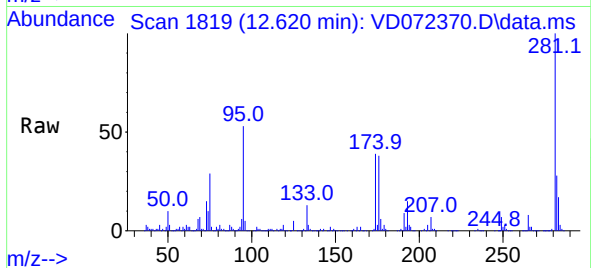




#62
4-Bromofluorobenzene
Concen: 56.590 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD072370.D
Acq: 22 Mar 2022 18:55

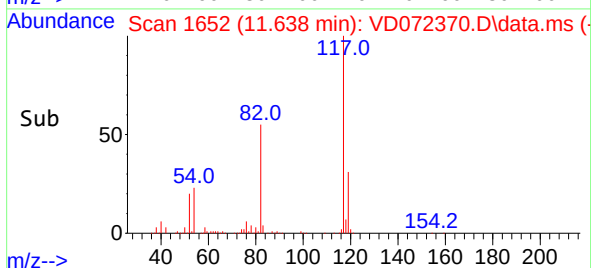
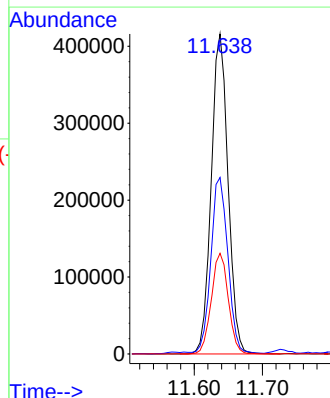
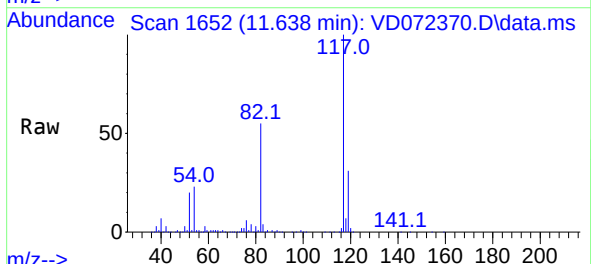
Instrument :
MSVOA_D
ClientSampleId :
UNDER-PILE

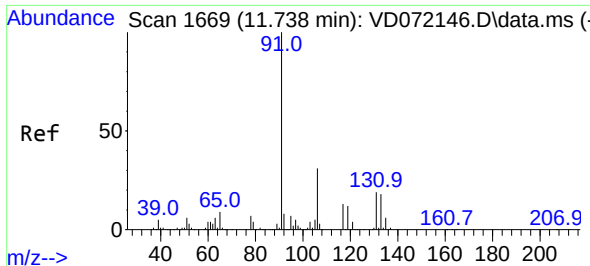
Tgt Ion: 95 Resp: 364896
Ion Ratio Lower Upper
95 100
174 75.8 0.0 152.8
176 74.6 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD072370.D
Acq: 22 Mar 2022 18:55

Tgt Ion: 117 Resp: 713700
Ion Ratio Lower Upper
117 100
82 54.7 45.3 67.9
119 31.5 26.6 40.0

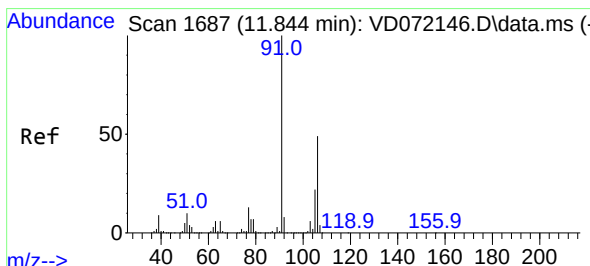
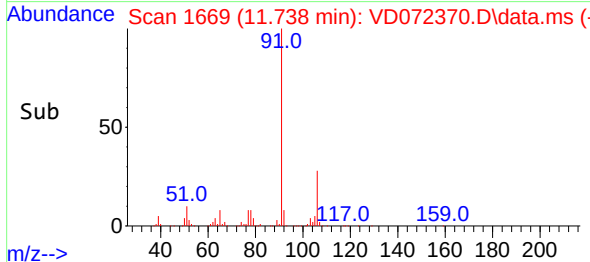
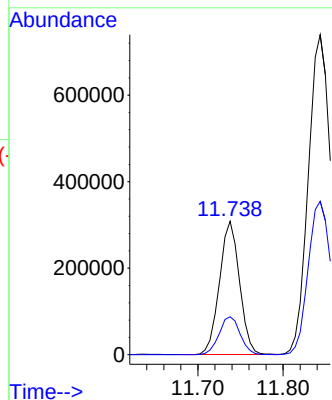
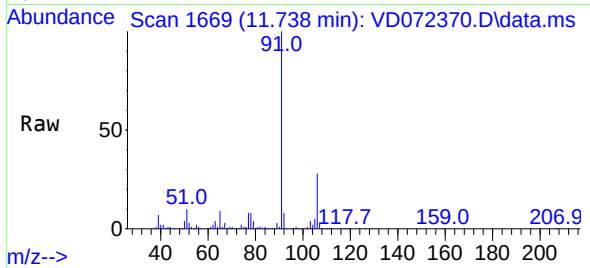




#67
Ethyl Benzene
Concen: 17.831 ug/l
RT: 11.738 min Scan# 1669
Delta R.T. 0.000 min
Lab File: VD072370.D
Acq: 22 Mar 2022 18:55

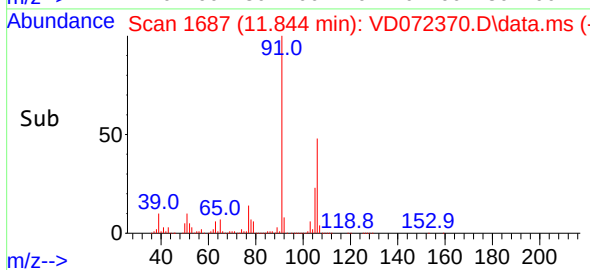
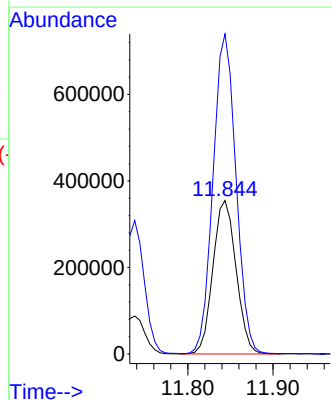
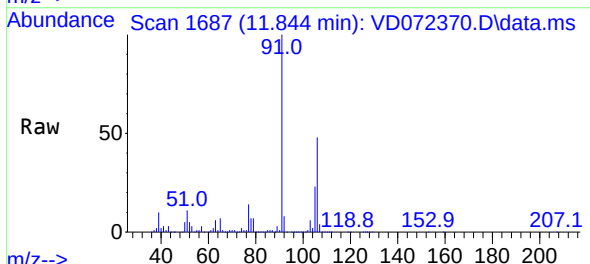
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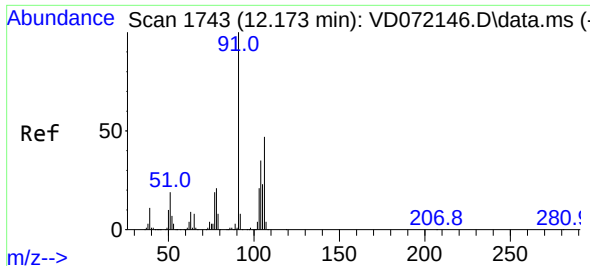
Tgt Ion: 91 Resp: 503907
Ion Ratio Lower Upper
91 100
106 28.5 24.2 36.4



#68
m/p-Xylenes
Concen: 62.312 ug/l
RT: 11.844 min Scan# 1687
Delta R.T. 0.000 min
Lab File: VD072370.D
Acq: 22 Mar 2022 18:55

Tgt Ion: 106 Resp: 668652
Ion Ratio Lower Upper
106 100
91 206.4 163.7 245.5

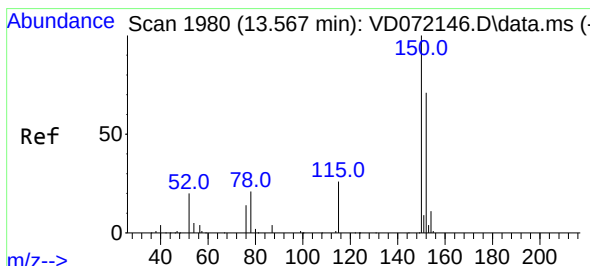
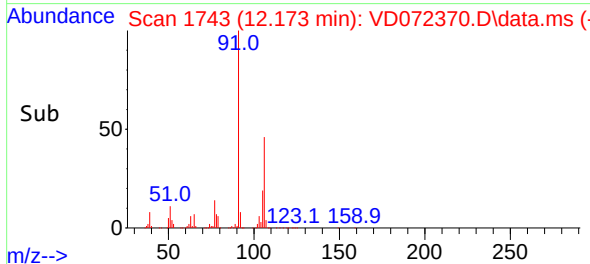
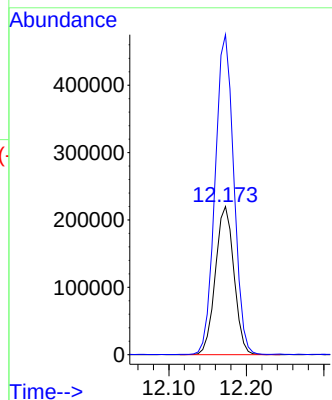
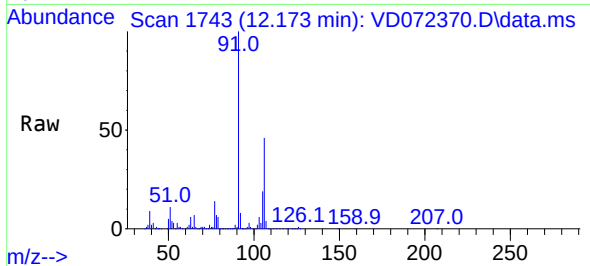




#69
o-Xylene
Concen: 35.721 ug/l
RT: 12.173 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD072370.D
Acq: 22 Mar 2022 18:55

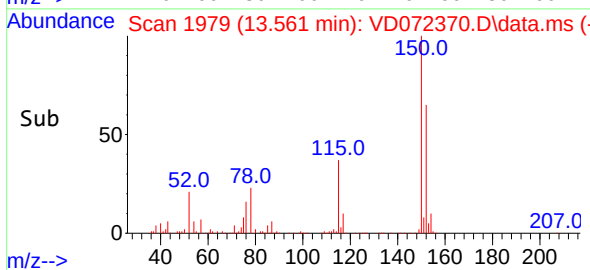
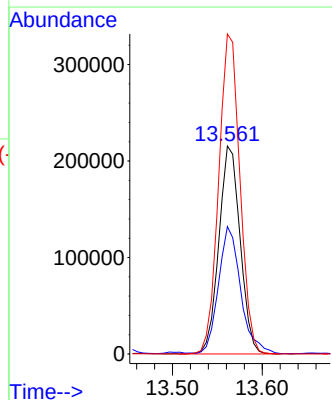
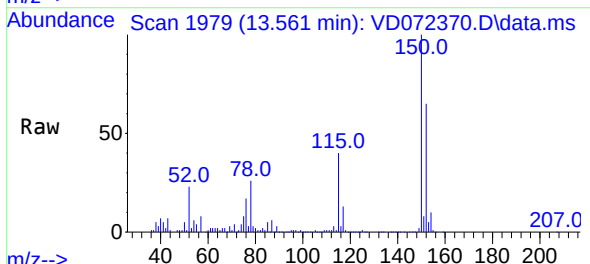
Instrument :
MSVOA_D
ClientSampleId :
UNDER-PILE

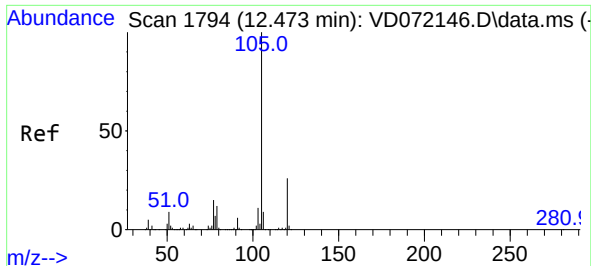
Tgt Ion:106 Resp: 366645
Ion Ratio Lower Upper
106 100
91 217.8 110.4 331.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. -0.006 min
Lab File: VD072370.D
Acq: 22 Mar 2022 18:55

Tgt Ion:152 Resp: 354683
Ion Ratio Lower Upper
152 100
115 63.8 31.3 93.8
150 153.5 0.0 348.6

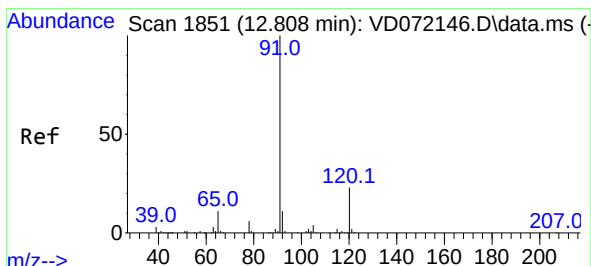
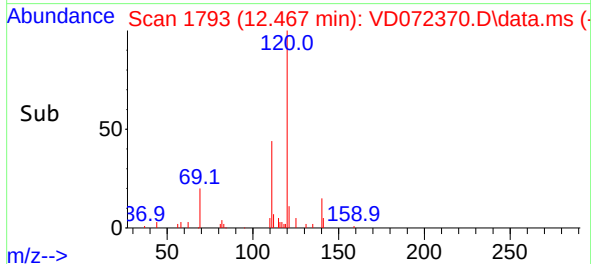
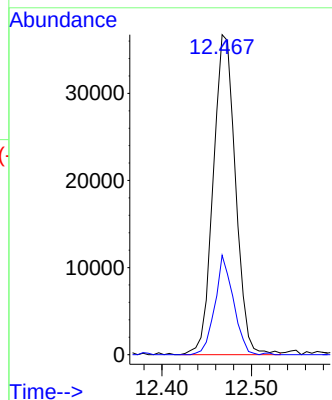
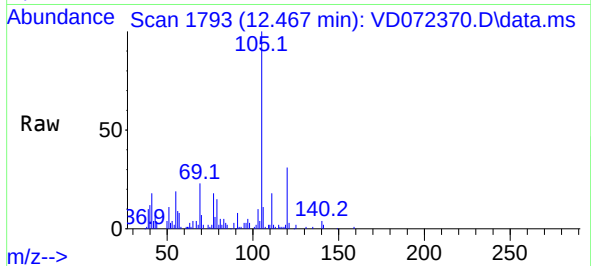




#73
Isopropylbenzene
Concen: 2.256 ug/l
RT: 12.467 min Scan# 11
Delta R.T. -0.006 min
Lab File: VD072370.D
Acq: 22 Mar 2022 18:55

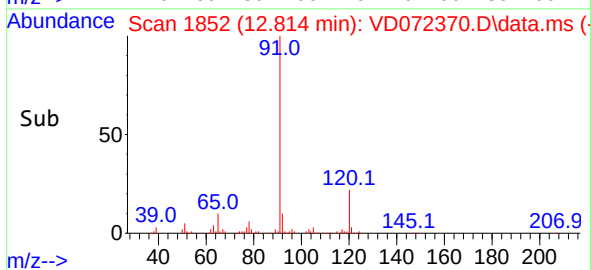
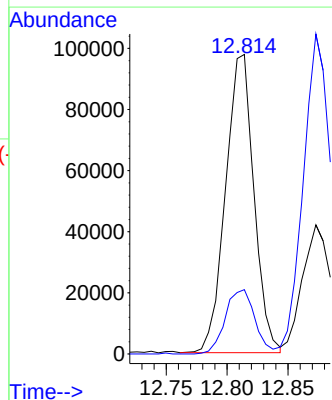
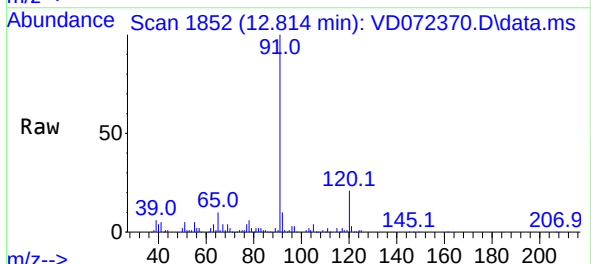
Instrument :
MSVOA_D
ClientSampleId :
UNDER-PILE

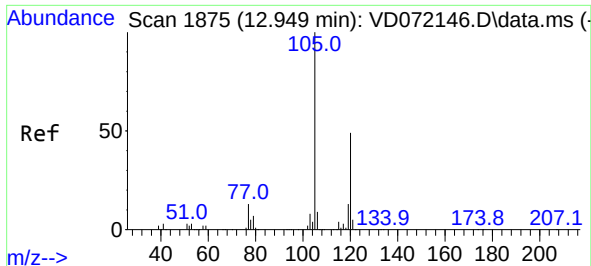
Tgt Ion:105 Resp: 63414
Ion Ratio Lower Upper
105 100
120 25.6 13.0 38.9



#78
n-propylbenzene
Concen: 4.635 ug/l
RT: 12.814 min Scan# 1852
Delta R.T. 0.006 min
Lab File: VD072370.D
Acq: 22 Mar 2022 18:55

Tgt Ion: 91 Resp: 158237
Ion Ratio Lower Upper
91 100
120 22.4 10.9 32.9

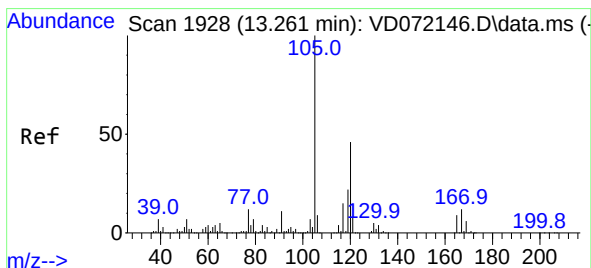
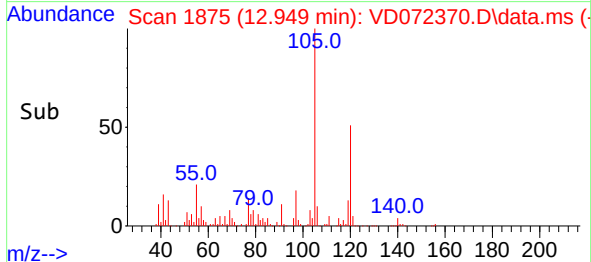
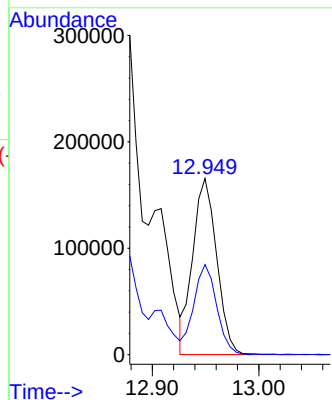
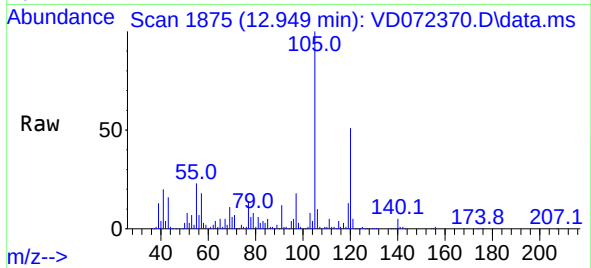




#80
1,3,5-Trimethylbenzene
Concen: 10.698 ug/l
RT: 12.949 min Scan# 1875
Delta R.T. 0.000 min
Lab File: VD072370.D
Acq: 22 Mar 2022 18:55

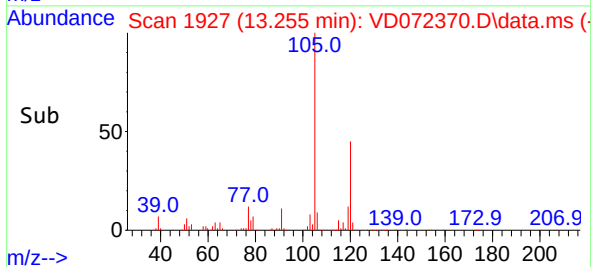
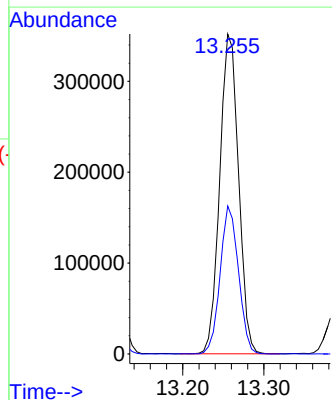
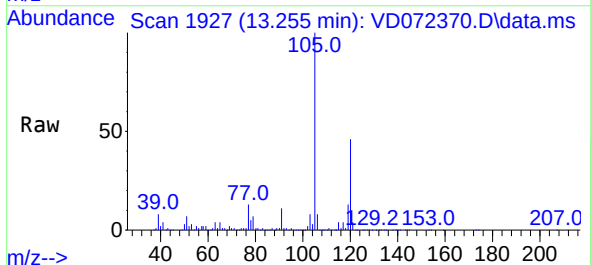
Instrument :
MSVOA_D
ClientSampleId :
UNDER-PILE

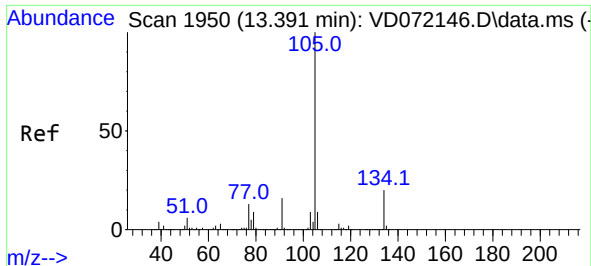
Tgt Ion:105 Resp: 258326
Ion Ratio Lower Upper
105 100
120 49.4 24.3 72.8



#84
1,2,4-Trimethylbenzene
Concen: 23.847 ug/l
RT: 13.255 min Scan# 1927
Delta R.T. -0.006 min
Lab File: VD072370.D
Acq: 22 Mar 2022 18:55

Tgt Ion:105 Resp: 567364
Ion Ratio Lower Upper
105 100
120 45.1 22.3 66.8

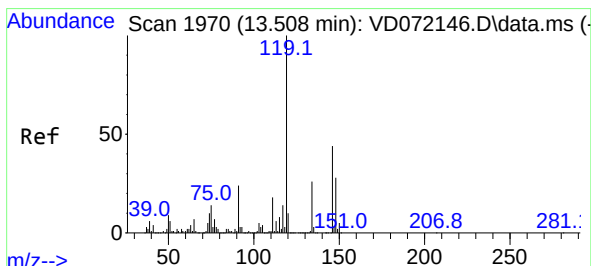
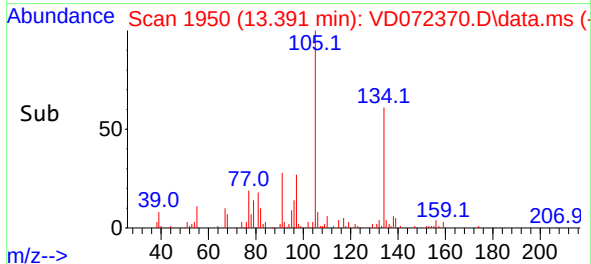
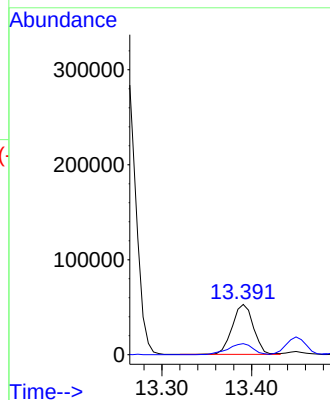
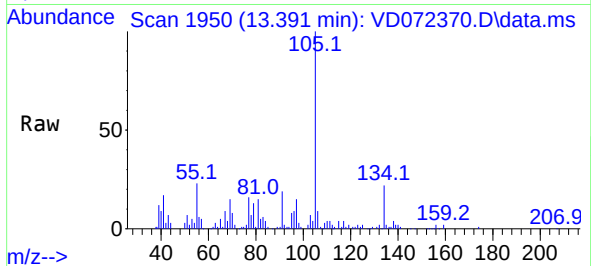




#85
 sec-Butylbenzene
 Concen: 2.727 ug/l
 RT: 13.391 min Scan# 1950
 Delta R.T. 0.000 min
 Lab File: VD072370.D
 Acq: 22 Mar 2022 18:55

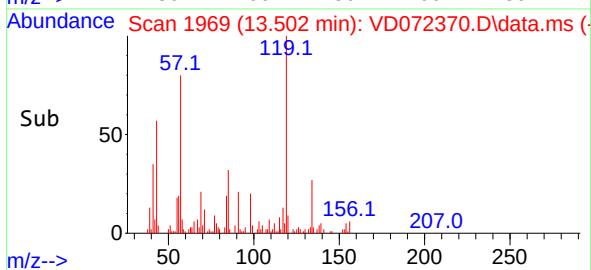
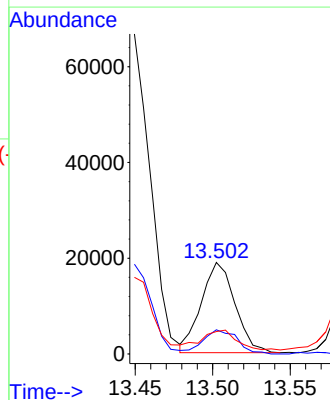
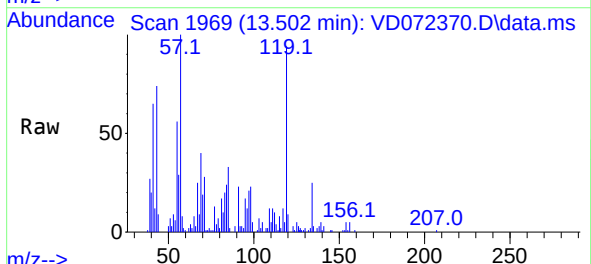
Instrument :
 MSVOA_D
 ClientSampleId :
 UNDER-PILE

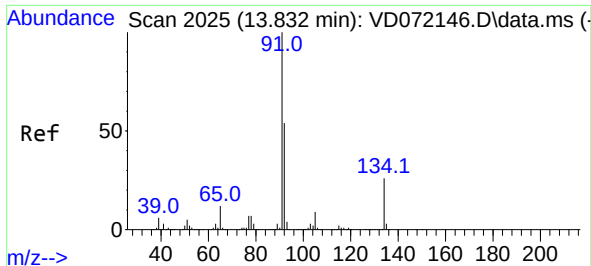
Tgt Ion:105 Resp: 86691
 Ion Ratio Lower Upper
 105 100
 134 25.9 9.8 29.3



#86
 p-Isopropyltoluene
 Concen: 1.089 ug/l
 RT: 13.502 min Scan# 1969
 Delta R.T. -0.006 min
 Lab File: VD072370.D
 Acq: 22 Mar 2022 18:55

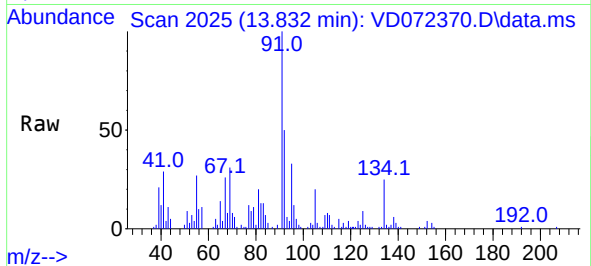
Tgt Ion:119 Resp: 28482
 Ion Ratio Lower Upper
 119 100
 134 27.5 12.9 38.6
 91 22.8 12.1 36.3





#89
 n-Butylbenzene
 Concen: 1.608 ug/l
 RT: 13.832 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VD072370.D
 Acq: 22 Mar 2022 18:55

Instrument :
 MSVOA_D
 ClientSampleId :
 UNDER-PILE



Tgt Ion: 91 Resp: 40097

Ion	Ratio	Lower	Upper
91	100		
92	70.8	26.6	79.8
134	0.0	12.3	36.9

