

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD032222\
 Data File : VD072368.D
 Acq On : 22 Mar 2022 17:58
 Operator : VA/SY
 Sample : N2053-01
 Misc : 4.43G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 AUD-1285

Quant Time: Mar 23 01:14:18 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)

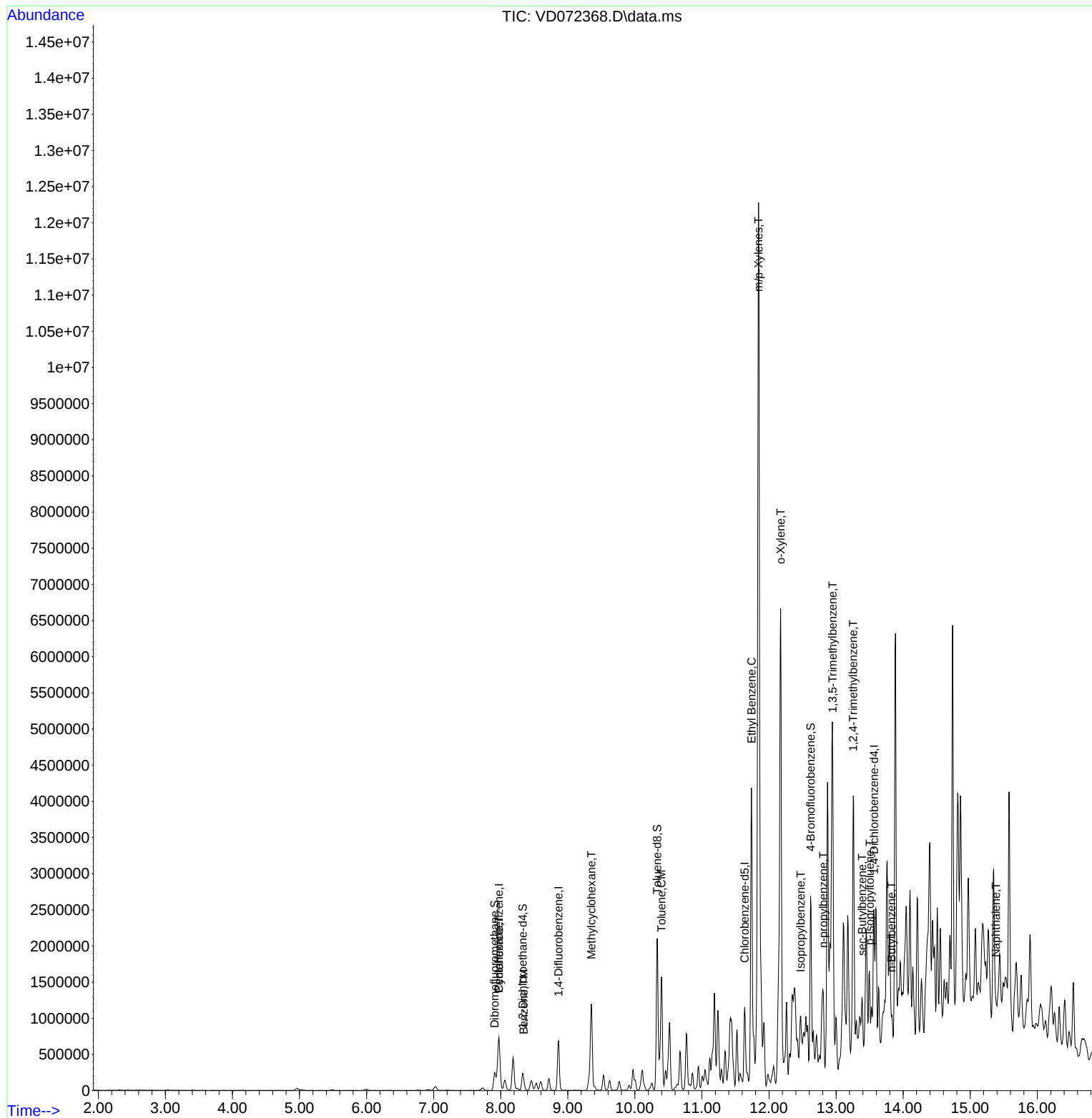
Internal Standards						
1) Pentafluorobenzene	7.973	168	356226	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	587872	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	643371	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	300811	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	171922	43.306	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	86.620%
35) Dibromofluoromethane	7.909	113	176136	42.577	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	85.160%
50) Toluene-d8	10.332	98	791776	52.343	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	104.680%
62) 4-Bromofluorobenzene	12.620	95	339718	57.800	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	115.600%
Target Compounds						
					Qvalue	
31) Cyclohexane	7.973	56	130557	21.049	ug/l #	92
39) Methylcyclohexane	9.350	83	490060	75.040	ug/l	99
40) Benzene	8.344	78	51112	3.087	ug/l #	90
52) Toluene	10.397	92	667707	61.287	ug/l	98
67) Ethyl Benzene	11.738	91	2679348	105.176	ug/l	99
68) m/p-Xylenes	11.844	106	3361681	347.524	ug/l	98
69) o-Xylene	12.173	106	1625967	175.731	ug/l	97
73) Isopropylbenzene	12.473	105	321970	13.507	ug/l	99
78) n-propylbenzene	12.808	91	719484	24.849	ug/l	100
80) 1,3,5-Trimethylbenzene	12.949	105	983158	48.008	ug/l	99
84) 1,2,4-Trimethylbenzene	13.255	105	2062106	102.194	ug/l	99
85) sec-Butylbenzene	13.391	105	328737	12.192	ug/l	87
86) p-Isopropyltoluene	13.502	119	103644	4.671	ug/l	99
89) n-Butylbenzene	13.826	91	144949	6.854	ug/l #	73
95) Naphthalene	15.385	128	84685	7.569	ug/l #	79

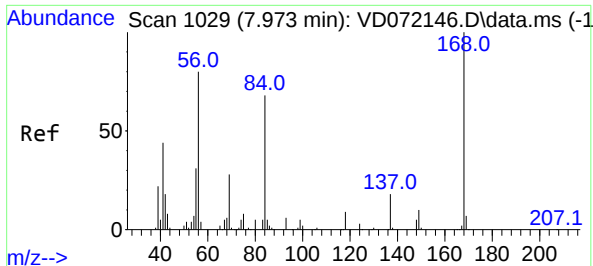
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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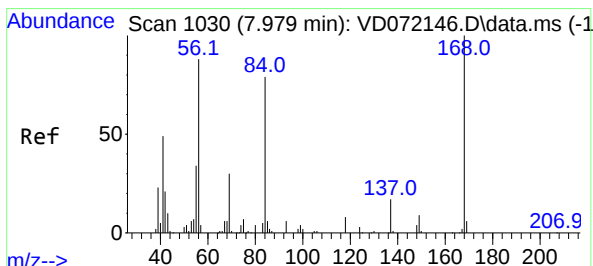
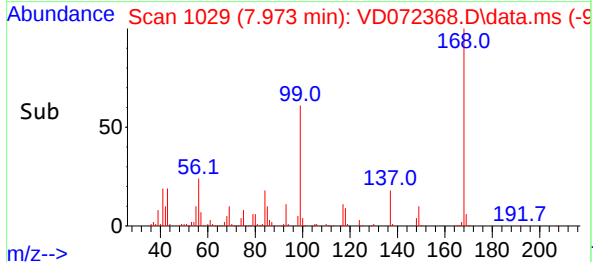
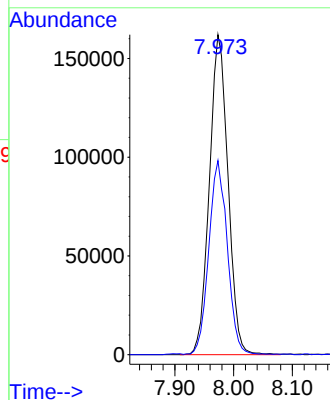
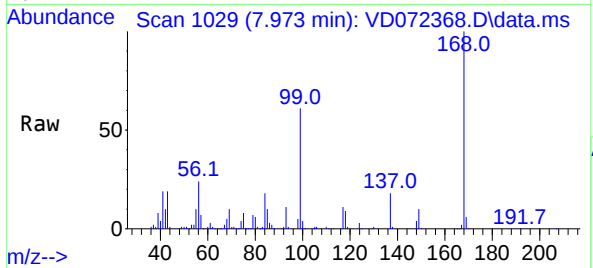




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD072368.D
Acq: 22 Mar 2022 17:58

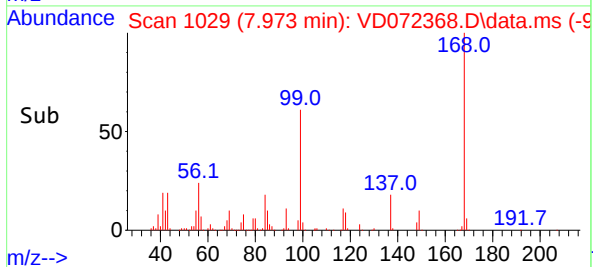
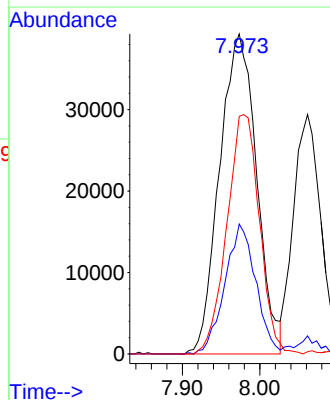
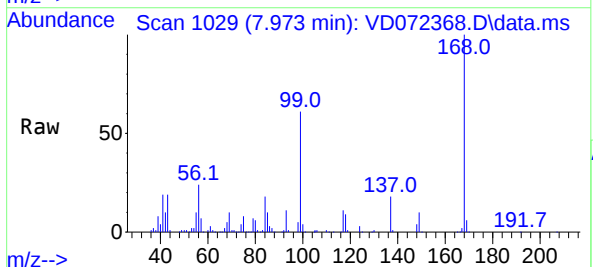
Instrument :
MSVOA_D
ClientSampleId :
AUD-1285

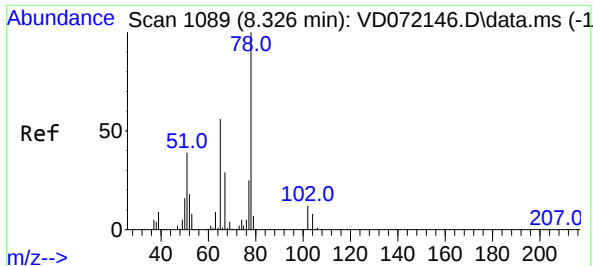
Tgt Ion:168 Resp: 356226
Ion Ratio Lower Upper
168 100
99 60.5 49.8 74.6



#31
Cyclohexane
Concen: 21.049 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.006 min
Lab File: VD072368.D
Acq: 22 Mar 2022 17:58

Tgt Ion: 56 Resp: 130557
Ion Ratio Lower Upper
56 100
69 40.6 25.4 38.2#
84 74.2 63.0 94.4





#33

1,2-Dichloroethane-d4

Concen: 43.306 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. 0.000 min

Lab File: VD072368.D

Acq: 22 Mar 2022 17:58

Instrument :

MSVOA_D

ClientSampleId :

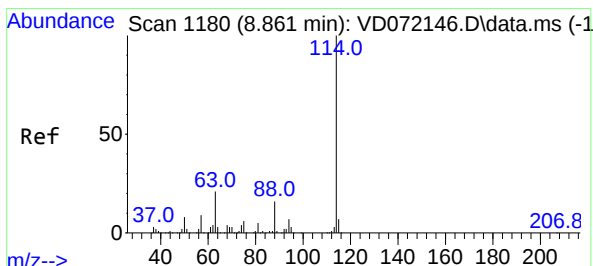
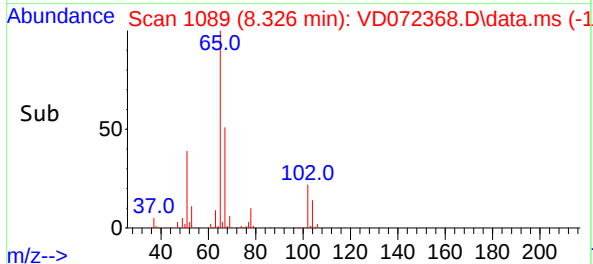
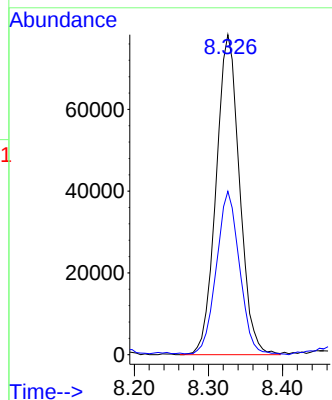
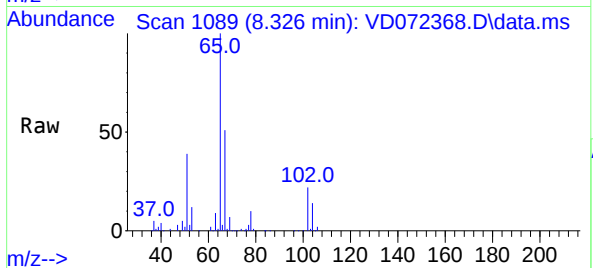
AUD-1285

Tgt Ion: 65 Resp: 171922

Ion Ratio Lower Upper

65 100

67 50.6 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: VD072368.D

Acq: 22 Mar 2022 17:58

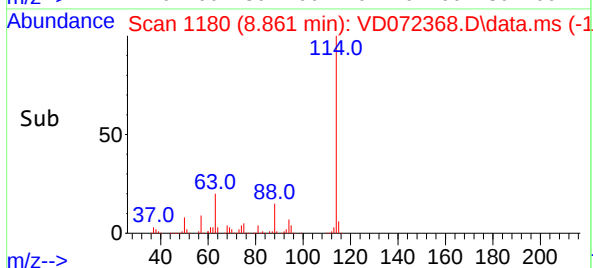
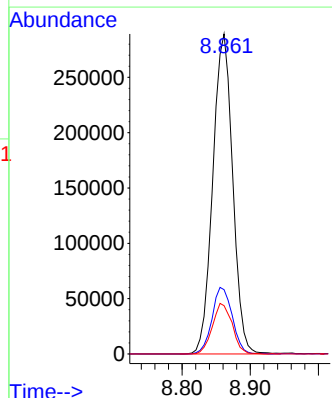
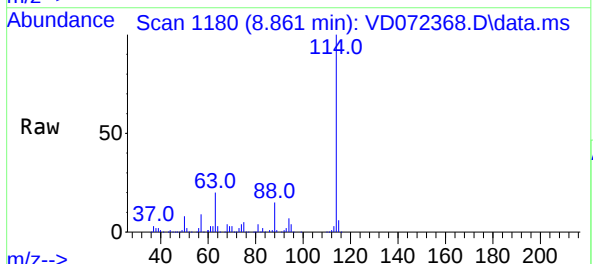
Tgt Ion: 114 Resp: 587872

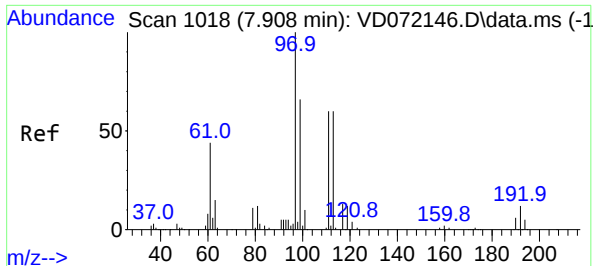
Ion Ratio Lower Upper

114 100

63 20.1 0.0 46.6

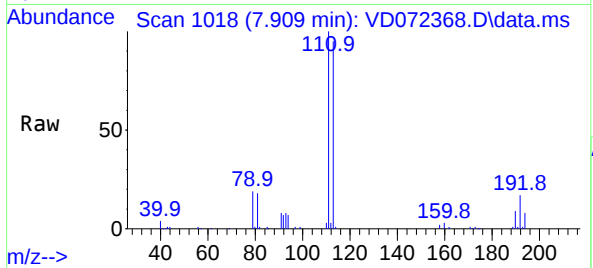
88 15.1 0.0 33.2



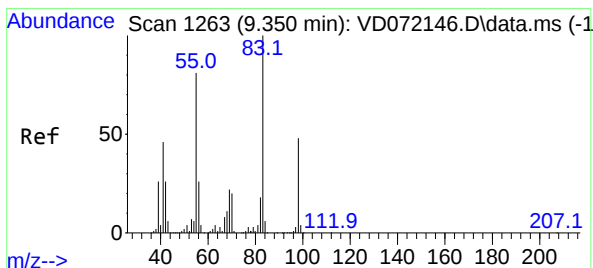
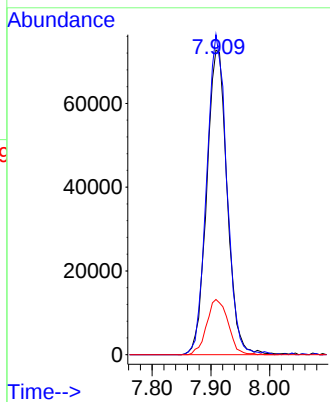
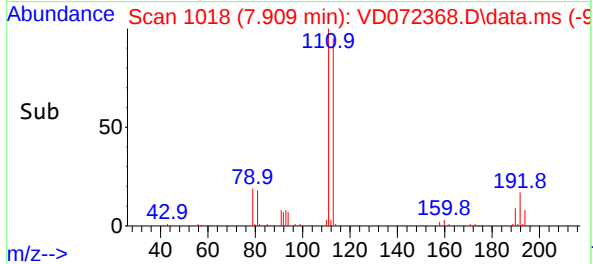


#35
Dibromofluoromethane
Concen: 42.577 ug/l
RT: 7.909 min Scan# 1018
Delta R.T. 0.000 min
Lab File: VD072368.D
Acq: 22 Mar 2022 17:58

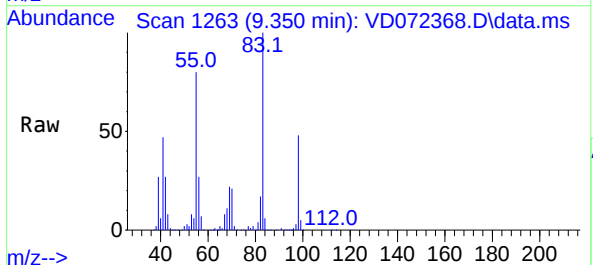
Instrument :
MSVOA_D
ClientSampleId :
AUD-1285



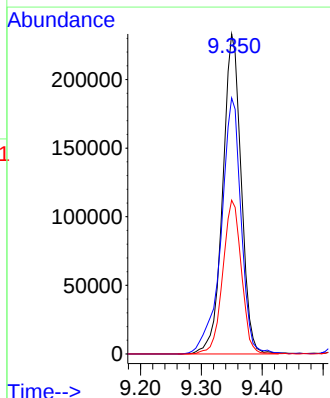
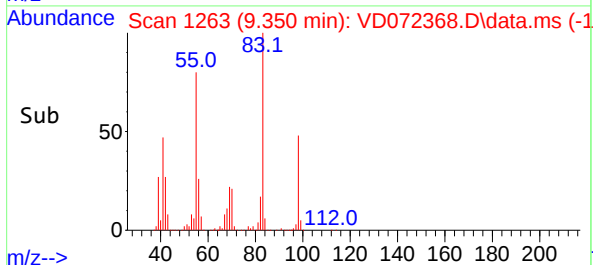
Tgt Ion:113 Resp: 176136
Ion Ratio Lower Upper
113 100
111 102.7 83.8 125.6
192 18.9 14.6 21.8

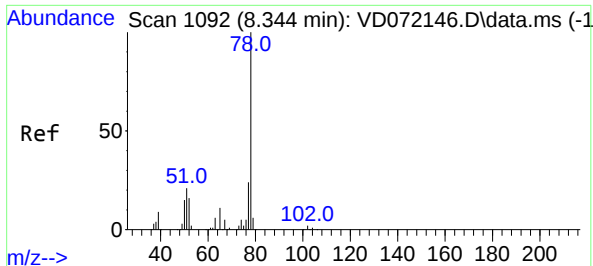


#39
Methylcyclohexane
Concen: 75.040 ug/l
RT: 9.350 min Scan# 1263
Delta R.T. 0.000 min
Lab File: VD072368.D
Acq: 22 Mar 2022 17:58



Tgt Ion: 83 Resp: 490060
Ion Ratio Lower Upper
83 100
55 80.0 63.2 94.8
98 48.1 38.2 57.4

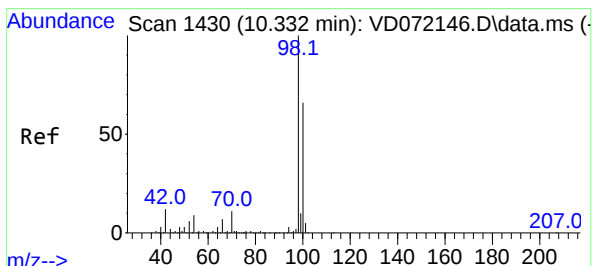
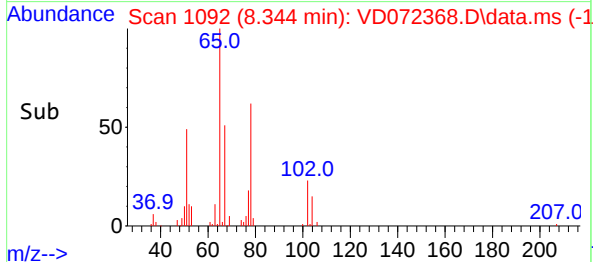
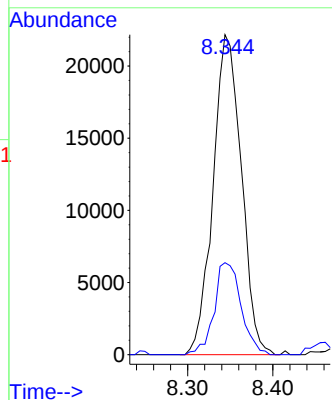
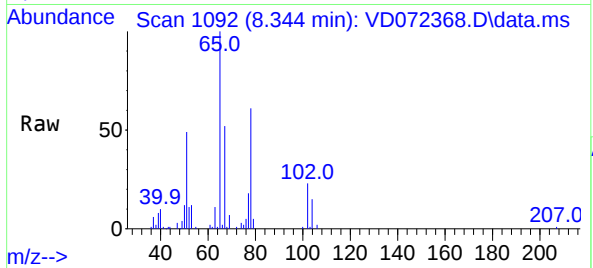




#40
Benzene
Concen: 3.087 ug/l
RT: 8.344 min Scan# 1092
Delta R.T. 0.000 min
Lab File: VD072368.D
Acq: 22 Mar 2022 17:58

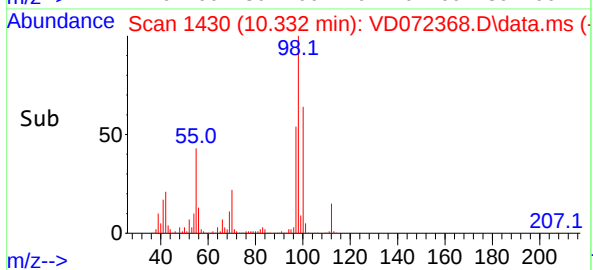
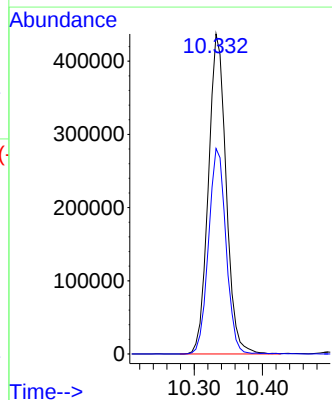
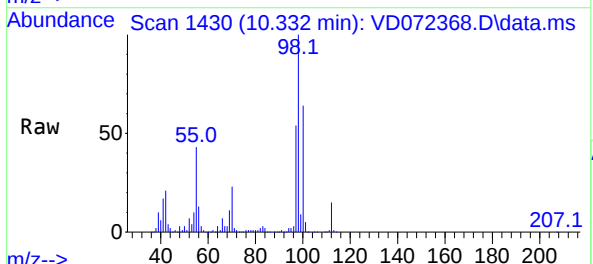
Instrument :
MSVOA_D
ClientSampleId :
AUD-1285

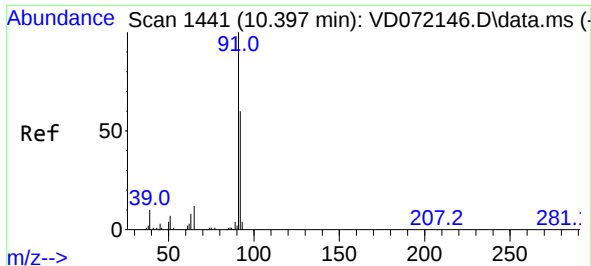
Tgt Ion: 78 Resp: 51112
Ion Ratio Lower Upper
78 100
77 28.7 19.1 28.7#



#50
Toluene-d8
Concen: 52.343 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VD072368.D
Acq: 22 Mar 2022 17:58

Tgt Ion: 98 Resp: 791776
Ion Ratio Lower Upper
98 100
100 63.1 52.4 78.6

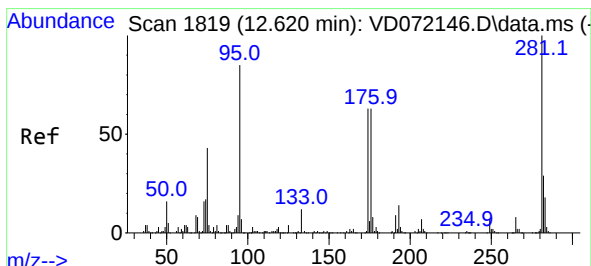
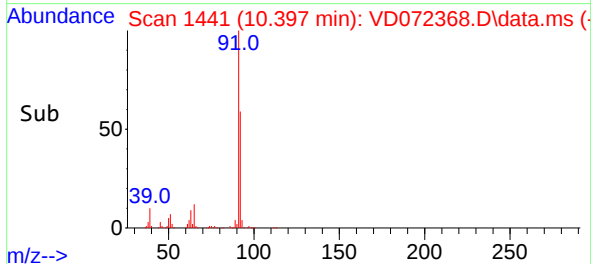
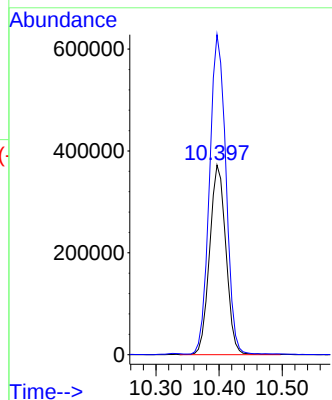
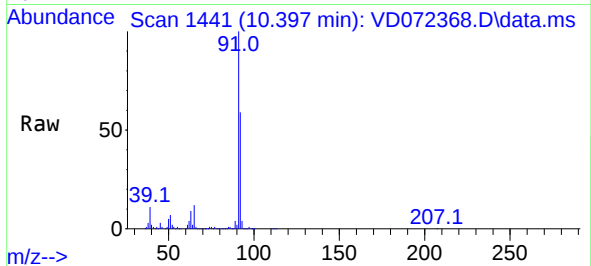




#52
Toluene
Concen: 61.287 ug/l
RT: 10.397 min Scan# 1441
Delta R.T. 0.000 min
Lab File: VD072368.D
Acq: 22 Mar 2022 17:58

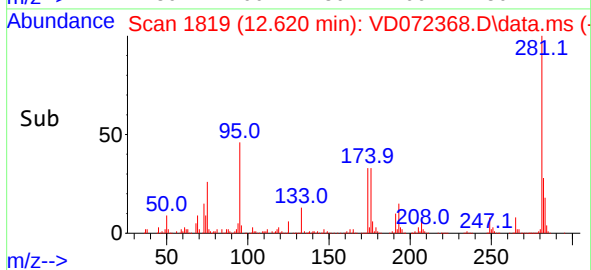
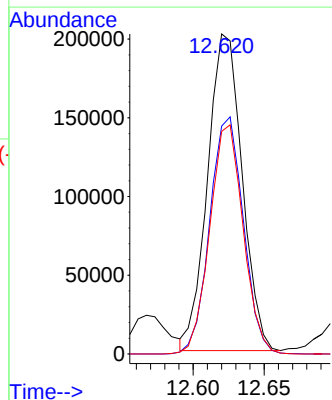
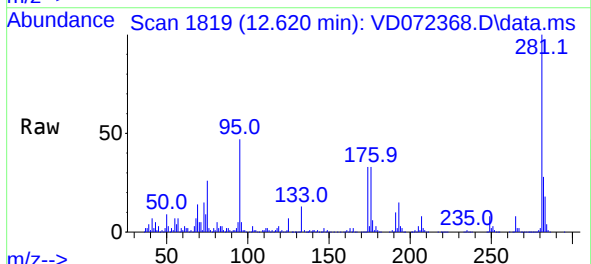
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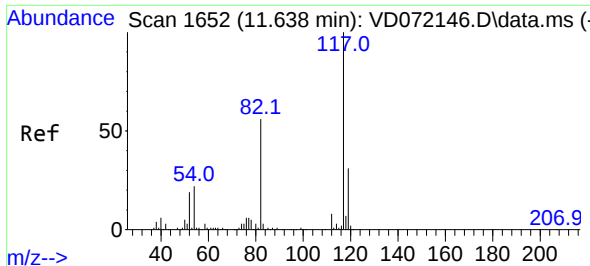
Tgt Ion: 92 Resp: 667707
Ion Ratio Lower Upper
92 100
91 171.3 139.6 209.4



#62
4-Bromofluorobenzene
Concen: 57.800 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD072368.D
Acq: 22 Mar 2022 17:58

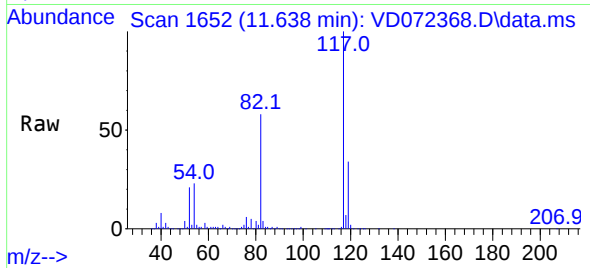
Tgt Ion: 95 Resp: 339718
Ion Ratio Lower Upper
95 100
174 73.0 0.0 152.8
176 70.1 0.0 145.4





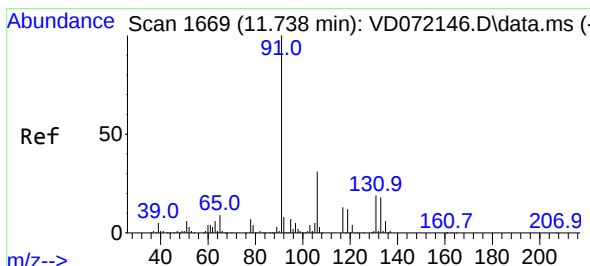
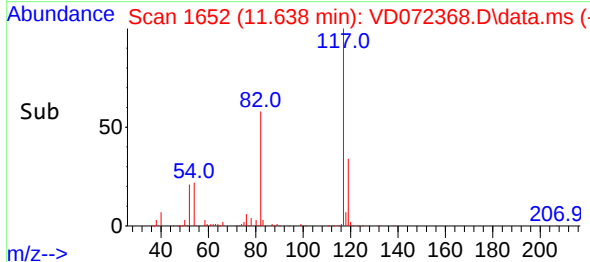
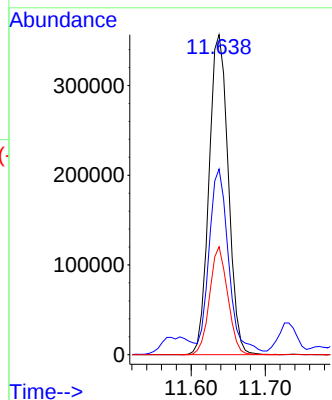
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD072368.D
Acq: 22 Mar 2022 17:58

Instrument :
MSVOA_D
ClientSampleId :
AUD-1285



Tgt Ion:117 Resp: 643371

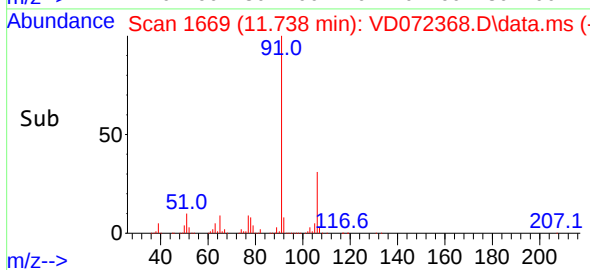
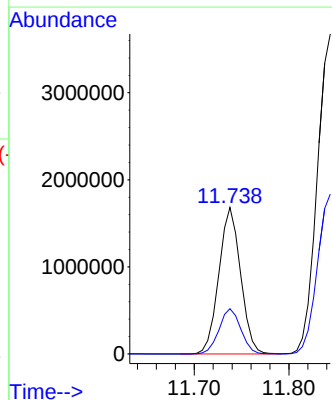
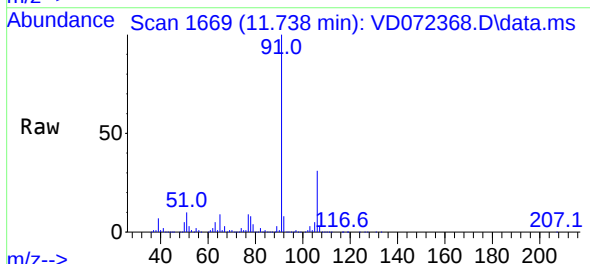
Ion	Ratio	Lower	Upper
117	100		
82	52.4	45.3	67.9
119	33.8	26.6	40.0

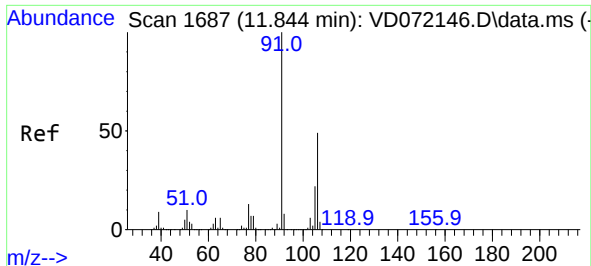


#67
Ethyl Benzene
Concen: 105.176 ug/l
RT: 11.738 min Scan# 1669
Delta R.T. 0.000 min
Lab File: VD072368.D
Acq: 22 Mar 2022 17:58

Tgt Ion: 91 Resp: 2679348

Ion	Ratio	Lower	Upper
91	100		
106	31.0	24.2	36.4

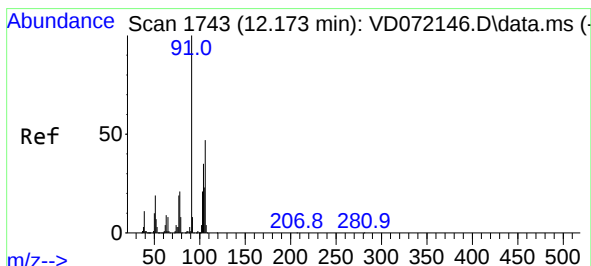
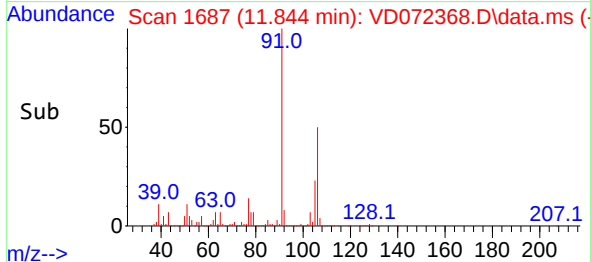
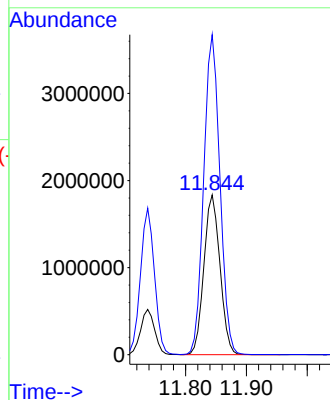
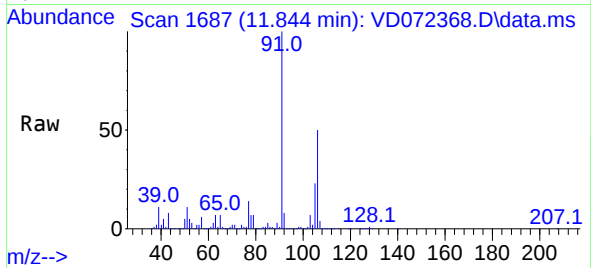




#68
m/p-Xylenes
Concen: 347.524 ug/l
RT: 11.844 min Scan# 1687
Delta R.T. 0.000 min
Lab File: VD072368.D
Acq: 22 Mar 2022 17:58

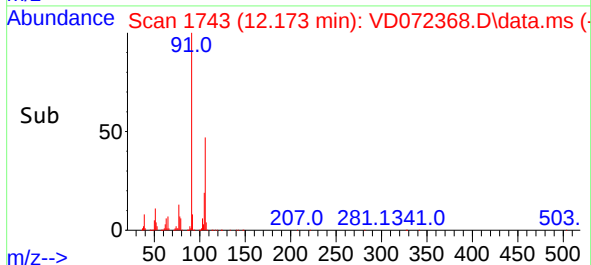
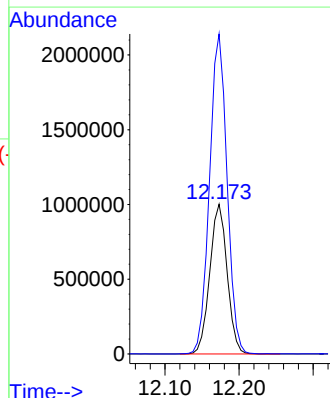
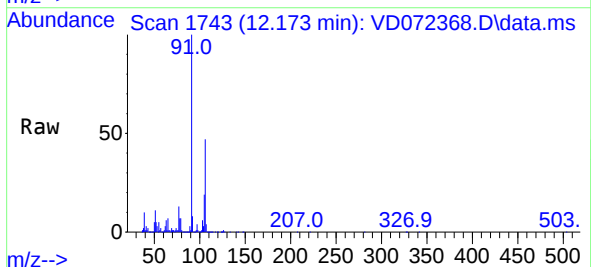
Instrument :
MSVOA_D
ClientSampleId :
AUD-1285

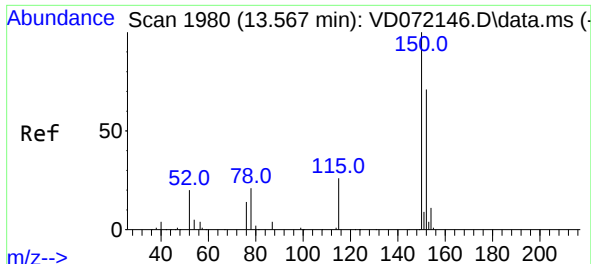
Tgt Ion:106 Resp: 3361681
Ion Ratio Lower Upper
106 100
91 201.3 163.7 245.5



#69
o-Xylene
Concen: 175.731 ug/l
RT: 12.173 min Scan# 1743
Delta R.T. 0.000 min
Lab File: VD072368.D
Acq: 22 Mar 2022 17:58

Tgt Ion:106 Resp: 1625967
Ion Ratio Lower Upper
106 100
91 216.0 110.4 331.2

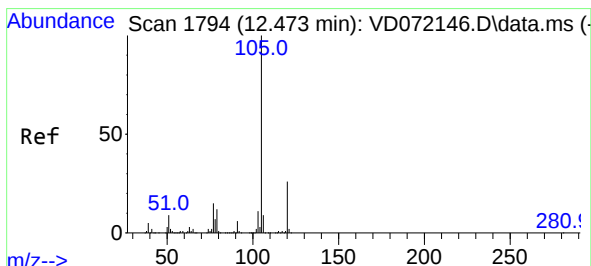
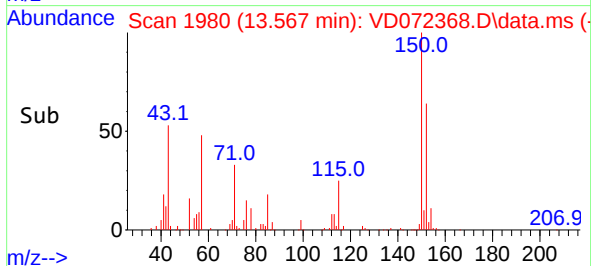
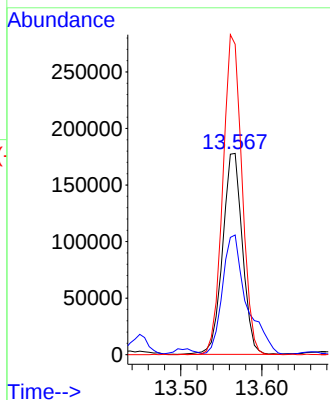
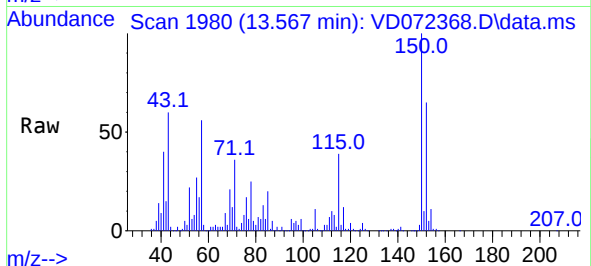




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.000 min
Lab File: VD072368.D
Acq: 22 Mar 2022 17:58

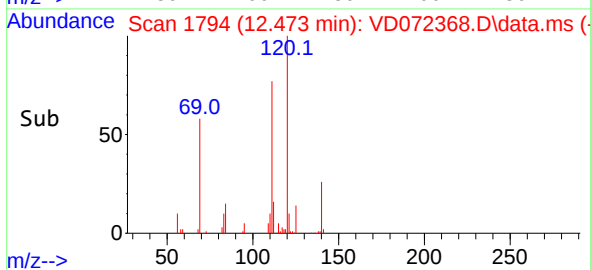
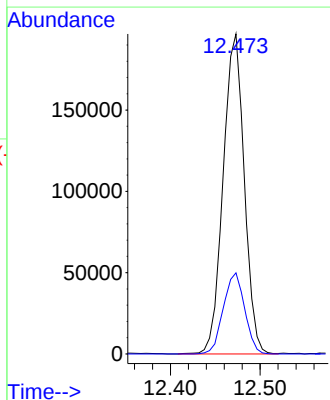
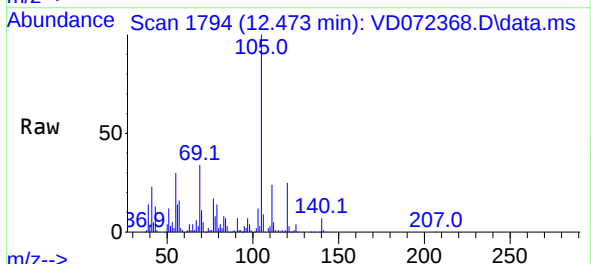
Instrument :
MSVOA_D
ClientSampleId :
AUD-1285

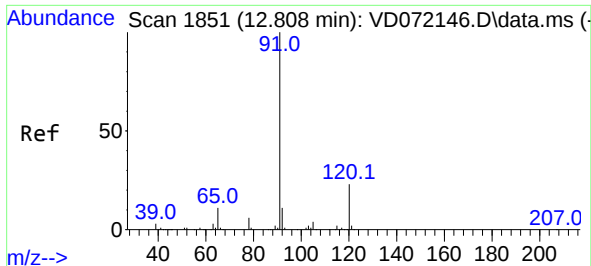
Tgt Ion:152 Resp: 300811
Ion Ratio Lower Upper
152 100
115 72.6 31.3 93.8
150 154.2 0.0 348.6



#73
Isopropylbenzene
Concen: 13.507 ug/l
RT: 12.473 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VD072368.D
Acq: 22 Mar 2022 17:58

Tgt Ion:105 Resp: 321970
Ion Ratio Lower Upper
105 100
120 25.5 13.0 38.9

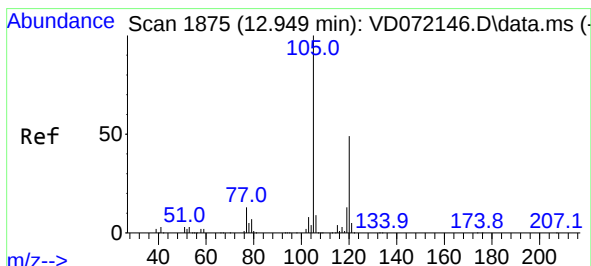
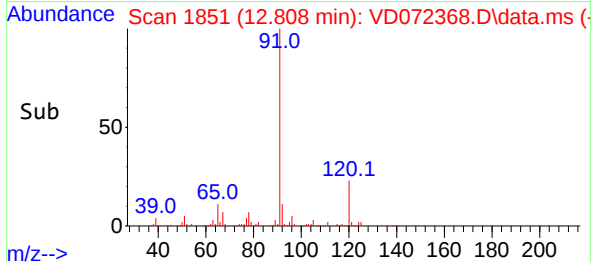
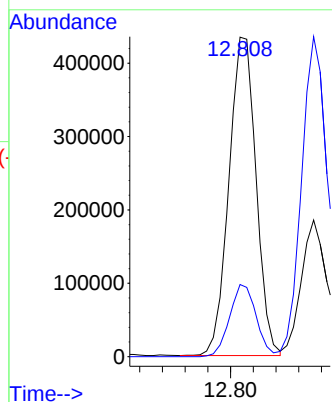
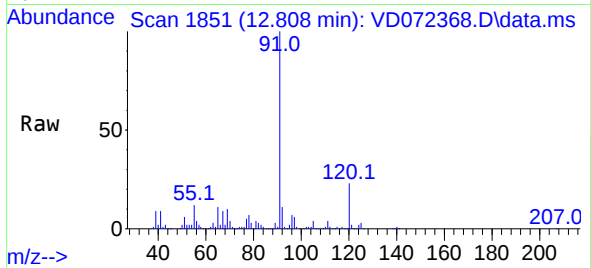




#78
n-propylbenzene
Concen: 24.849 ug/l
RT: 12.808 min Scan# 1851
Delta R.T. 0.000 min
Lab File: VD072368.D
Acq: 22 Mar 2022 17:58

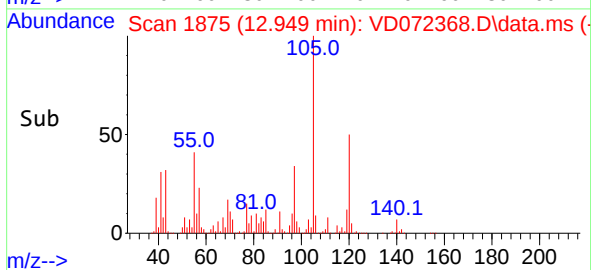
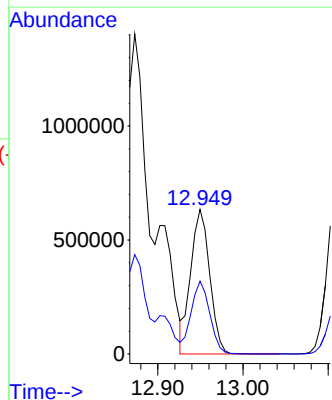
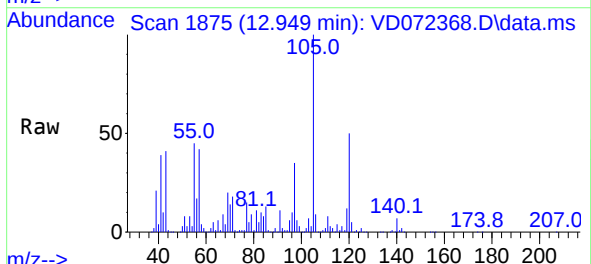
Instrument :
MSVOA_D
ClientSampleId :
AUD-1285

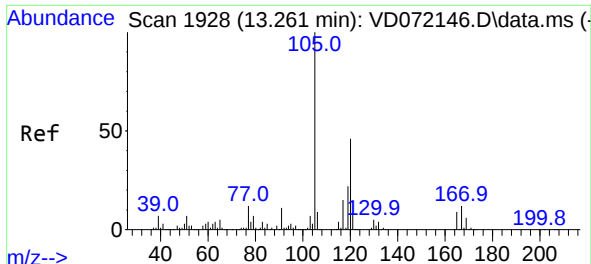
Tgt Ion: 91 Resp: 719484
Ion Ratio Lower Upper
91 100
120 22.1 10.9 32.9



#80
1,3,5-Trimethylbenzene
Concen: 48.008 ug/l
RT: 12.949 min Scan# 1875
Delta R.T. 0.000 min
Lab File: VD072368.D
Acq: 22 Mar 2022 17:58

Tgt Ion: 105 Resp: 983158
Ion Ratio Lower Upper
105 100
120 49.5 24.3 72.8

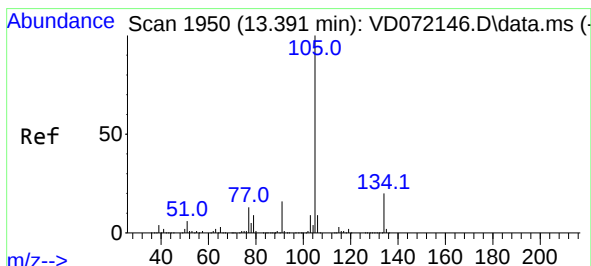
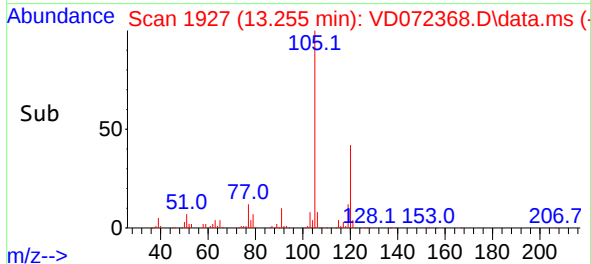
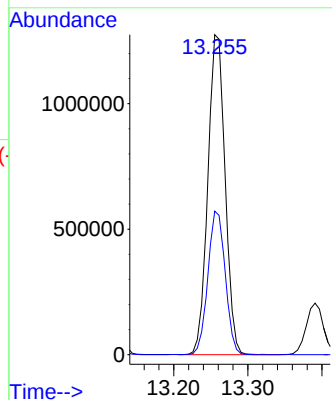
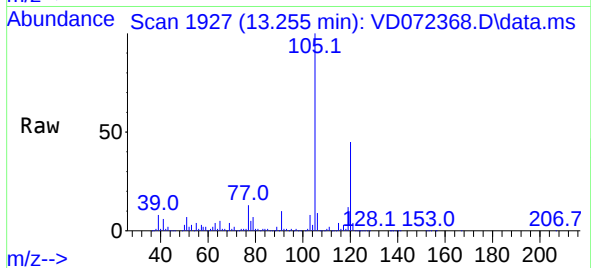




#84
1,2,4-Trimethylbenzene
Concen: 102.194 ug/l
RT: 13.255 min Scan# 1928
Delta R.T. -0.006 min
Lab File: VD072368.D
Acq: 22 Mar 2022 17:58

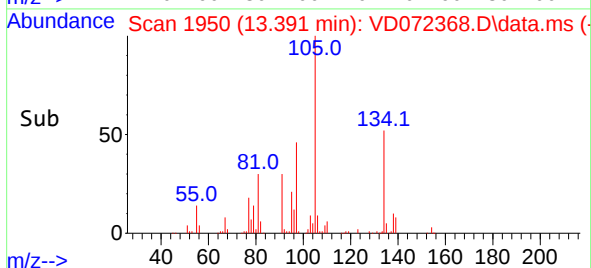
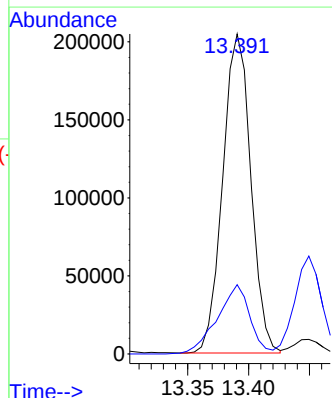
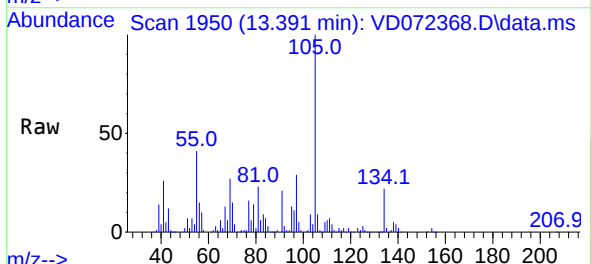
Instrument :
MSVOA_D
ClientSampleId :
AUD-1285

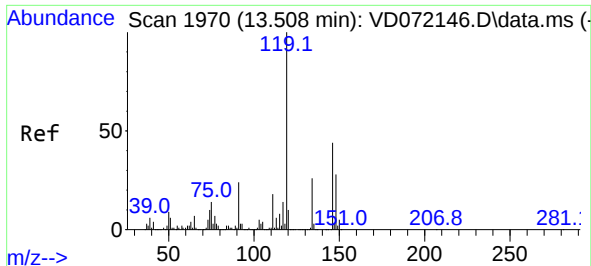
Tgt Ion:105 Resp: 2062106
Ion Ratio Lower Upper
105 100
120 45.2 22.3 66.8



#85
sec-Butylbenzene
Concen: 12.192 ug/l
RT: 13.391 min Scan# 1950
Delta R.T. 0.000 min
Lab File: VD072368.D
Acq: 22 Mar 2022 17:58

Tgt Ion:105 Resp: 328737
Ion Ratio Lower Upper
105 100
134 25.2 9.8 29.3





#86

p-Isopropyltoluene

Concen: 4.671 ug/l

RT: 13.502 min Scan# 1969

Delta R.T. -0.006 min

Lab File: VD072368.D

Acq: 22 Mar 2022 17:58

Instrument :

MSVOA_D

ClientSampleId :

AUD-1285

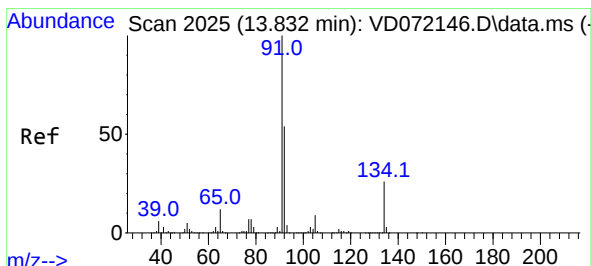
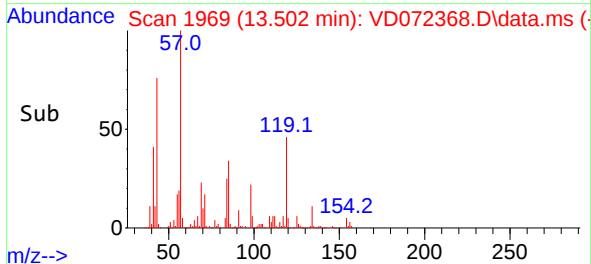
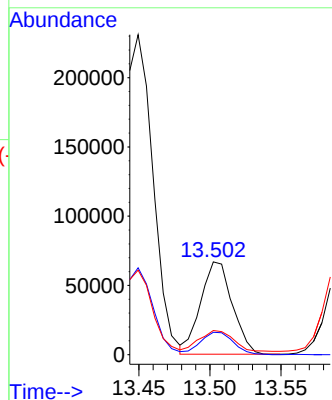
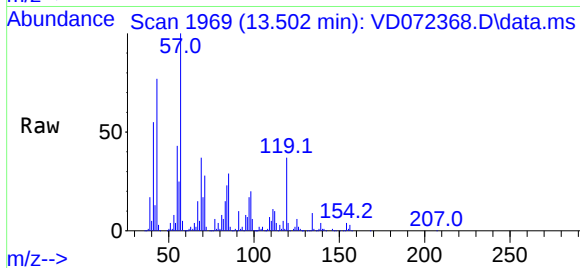
Tgt Ion:119 Resp: 103644

Ion Ratio Lower Upper

119 100

134 25.2 12.9 38.6

91 23.4 12.1 36.3



#89

n-Butylbenzene

Concen: 6.854 ug/l

RT: 13.826 min Scan# 2024

Delta R.T. -0.006 min

Lab File: VD072368.D

Acq: 22 Mar 2022 17:58

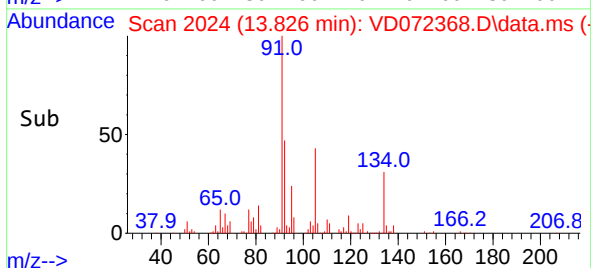
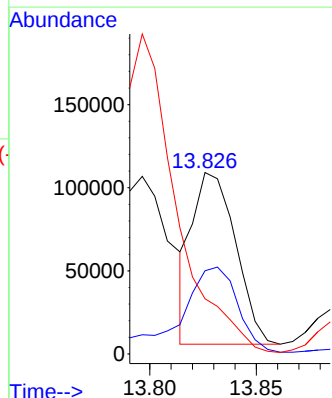
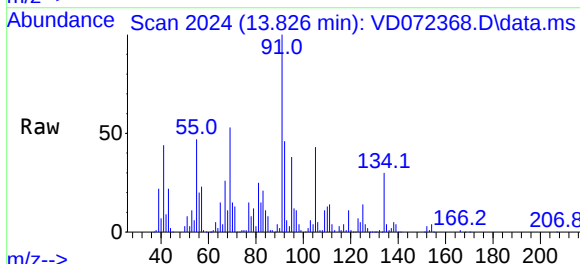
Tgt Ion: 91 Resp: 144949

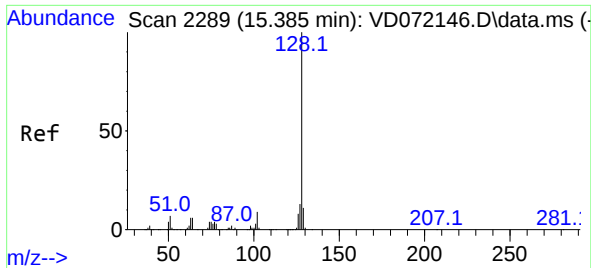
Ion Ratio Lower Upper

91 100

92 65.1 26.6 79.8

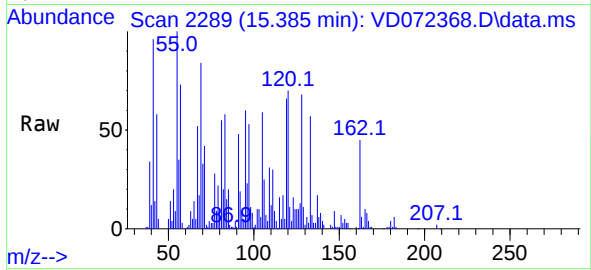
134 0.0 12.3 36.9#





#95
Naphthalene
Concen: 7.569 ug/l
RT: 15.385 min Scan# 21
Delta R.T. 0.000 min
Lab File: VD072368.D
Acq: 22 Mar 2022 17:58

Instrument :
MSVOA_D
ClientSampleId :
AUD-1285



Tgt Ion:128 Resp: 84685
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 7.9 8.4 12.6#

