

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD050922\
 Data File : VD072891.D
 Acq On : 09 May 2022 15:28
 Operator : VA/SY
 Sample : N2725-01RE
 Misc : 5.04G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TRE-1254

Quant Time: May 09 16:12:49 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050222S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 03 08:33:49 2022
 Response via : Initial Calibration

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

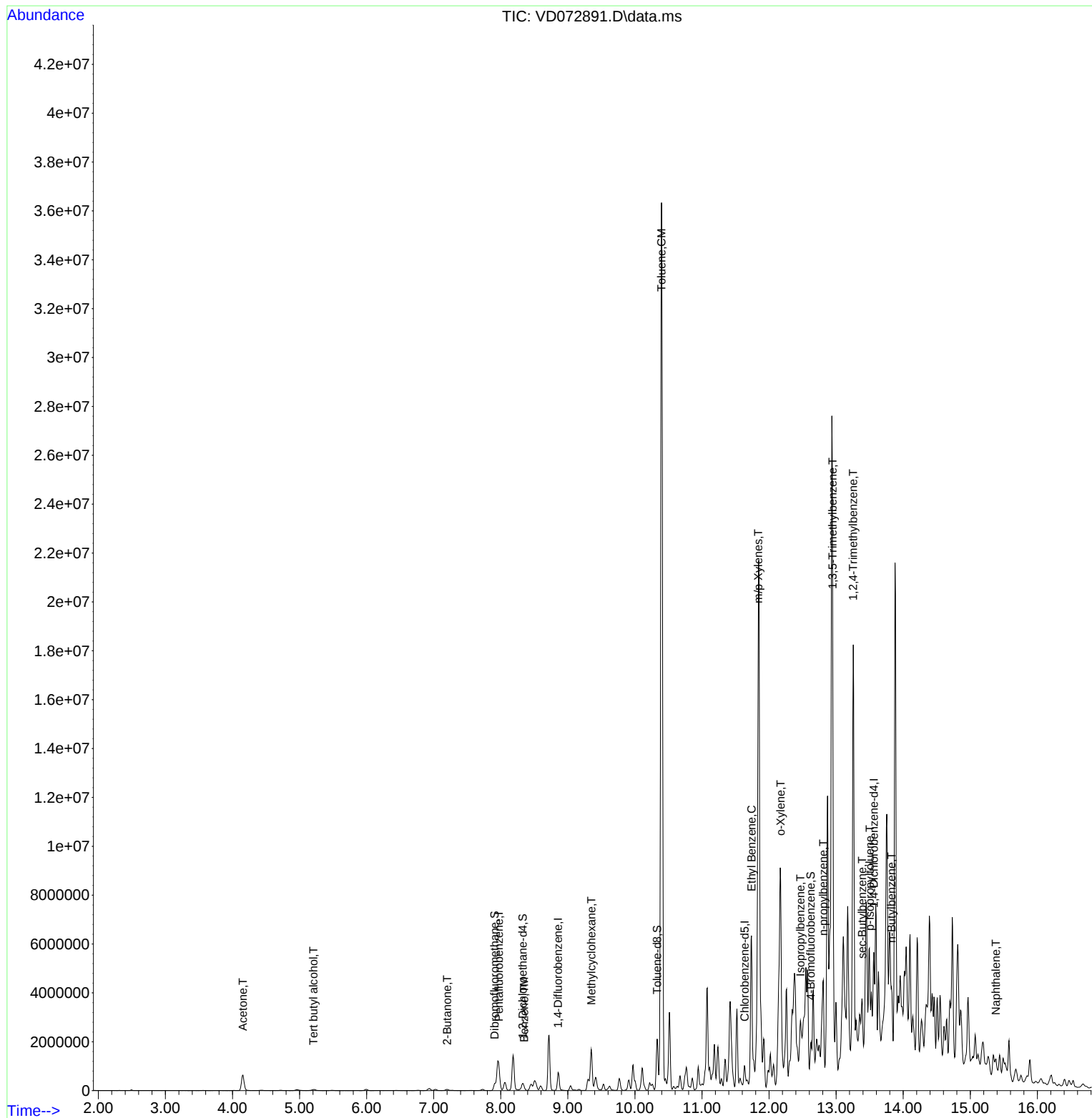
Internal Standards						
1) Pentafluorobenzene	7.973	168	361427	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	618826	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	521810	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	206294	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	199108	42.439	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	84.880%		
35) Dibromofluoromethane	7.908	113	197344	45.407	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	90.820%		
50) Toluene-d8	10.332	98	760447	48.778	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	97.560%		
62) 4-Bromofluorobenzene	12.620	95	286799	49.337	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	98.680%		
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.209	59	81299	200.283	ug/l	98
16) Acetone	4.156	43	1136463	1355.854	ug/l	95
25) 2-Butanone	7.203	43	45585	33.347	ug/l	95
39) Methylcyclohexane	9.350	83	645563	78.756	ug/l	99
40) Benzene	8.350	78	97750	4.790	ug/l	93
52) Toluene	10.397	92	17344439	1362.440	ug/l #	1
67) Ethyl Benzene	11.738	91	4264064	204.148	ug/l	98
68) m/p-Xylenes	11.838	106	3734550	464.164	ug/l	98
69) o-Xylene	12.173	106	1947748	259.208	ug/l	96
73) Isopropylbenzene	12.467	105	730741	45.528	ug/l	99
78) n-propylbenzene	12.808	91	2551736	126.144	ug/l	99
80) 1,3,5-Trimethylbenzene	12.949	105	2538565	186.528	ug/l	99
84) 1,2,4-Trimethylbenzene	13.255	105	8966481	659.126	ug/l	96
85) sec-Butylbenzene	13.390	105	942509	54.009	ug/l	84
86) p-Isopropyltoluene	13.502	119	564146	39.429	ug/l	99
89) n-Butylbenzene	13.826	91	1667472	120.306	ug/l #	73
95) Naphthalene	15.385	128	517757	71.061	ug/l #	95

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

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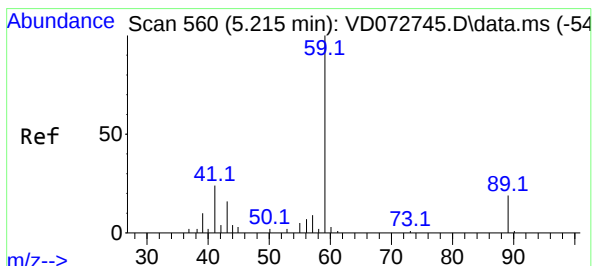
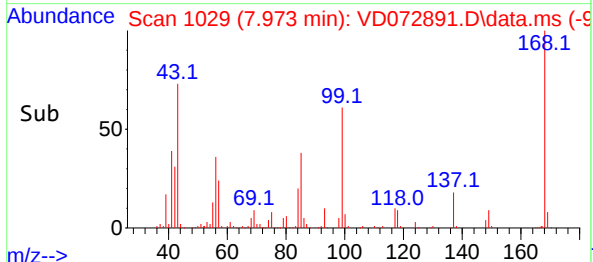
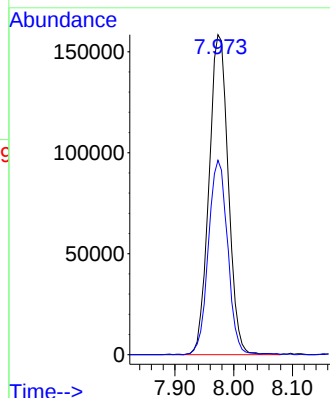
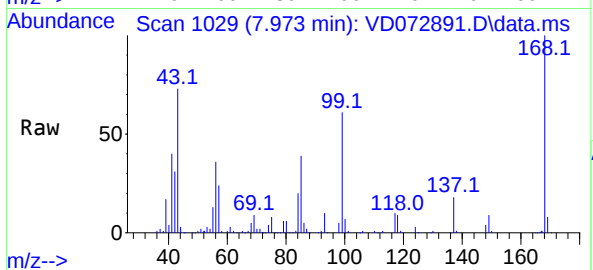




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD072891.D
Acq: 09 May 2022 15:28

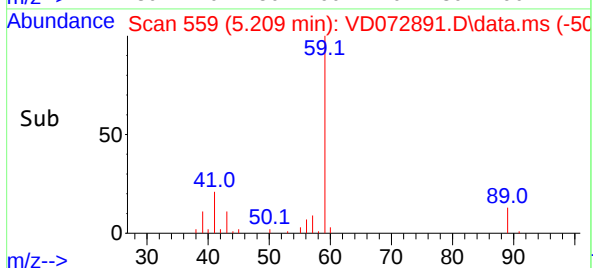
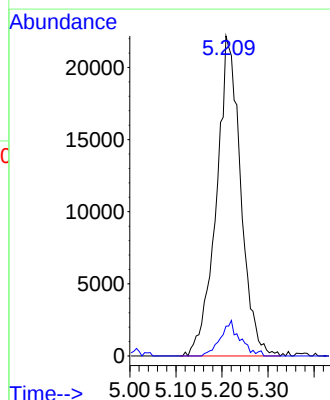
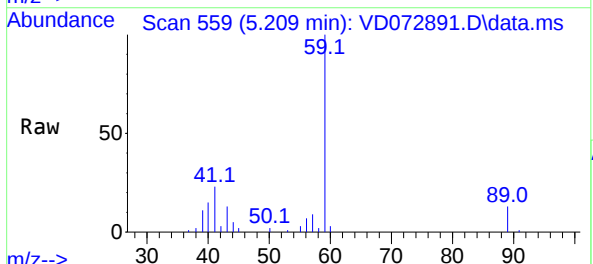
Instrument :
MSVOA_D
ClientSampleId :
TRE-1254

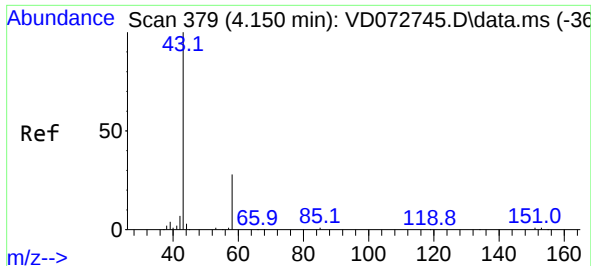
Tgt Ion:168 Resp: 361427
Ion Ratio Lower Upper
168 100
99 60.6 49.8 74.6



#11
Tert butyl alcohol
Concen: 200.283 ug/l
RT: 5.209 min Scan# 559
Delta R.T. -0.006 min
Lab File: VD072891.D
Acq: 09 May 2022 15:28

Tgt Ion: 59 Resp: 81299
Ion Ratio Lower Upper
59 100
57 8.9 7.8 11.6

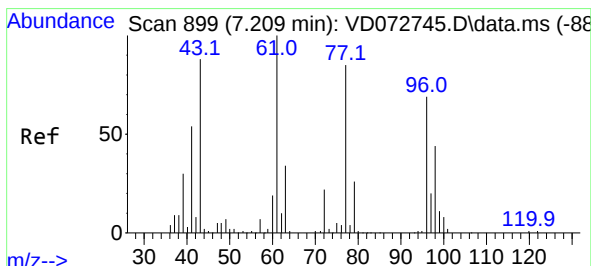
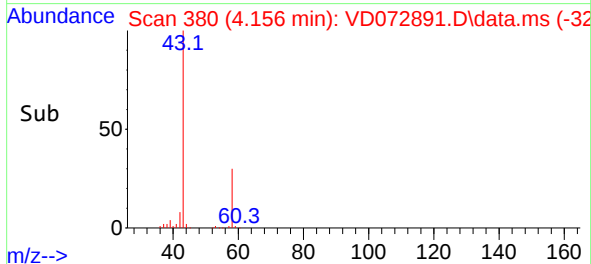
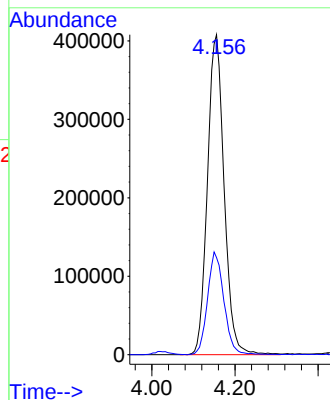
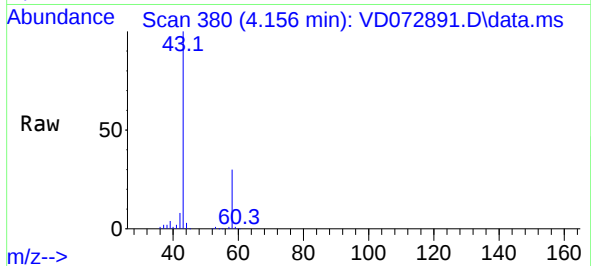




#16
Acetone
Concen: 1355.854 ug/l
RT: 4.156 min Scan# 379
Delta R.T. 0.006 min
Lab File: VD072891.D
Acq: 09 May 2022 15:28

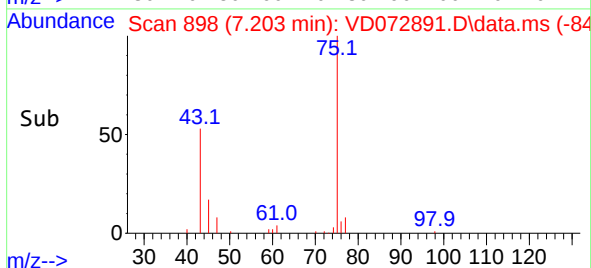
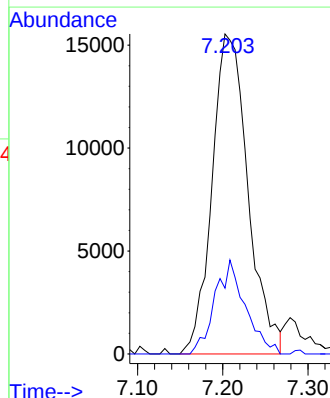
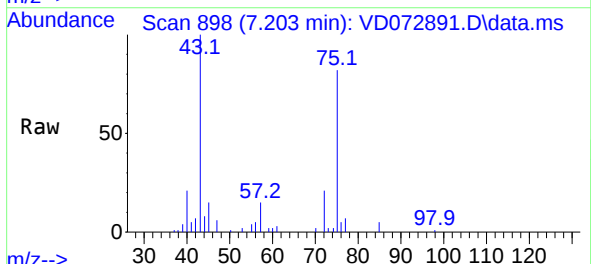
Instrument :
MSVOA_D
ClientSampleId :
TRE-1254

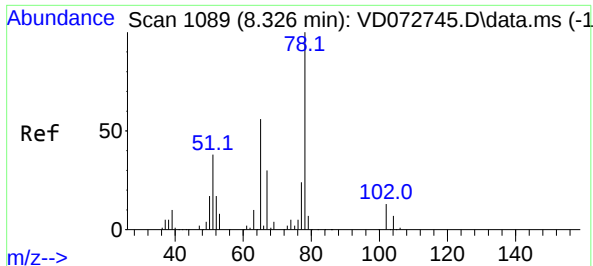
Tgt Ion: 43 Resp: 1136463
Ion Ratio Lower Upper
43 100
58 30.3 22.1 33.1



#25
2-Butanone
Concen: 33.347 ug/l
RT: 7.203 min Scan# 898
Delta R.T. -0.006 min
Lab File: VD072891.D
Acq: 09 May 2022 15:28

Tgt Ion: 43 Resp: 45585
Ion Ratio Lower Upper
43 100
72 20.6 18.6 27.8





#33

1,2-Dichloroethane-d4

Concen: 42.439 ug/l

RT: 8.326 min Scan# 1107

Delta R.T. 0.000 min

Lab File: VD072891.D

Acq: 09 May 2022 15:28

Instrument :

MSVOA_D

ClientSampleId :

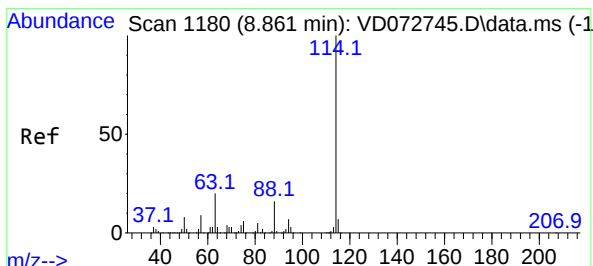
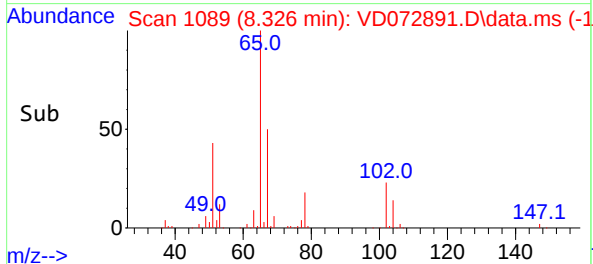
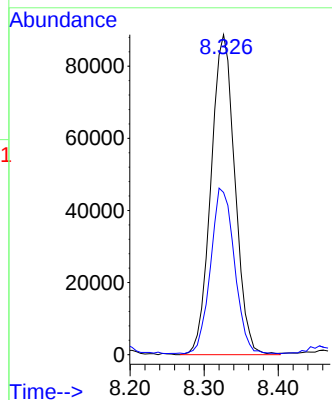
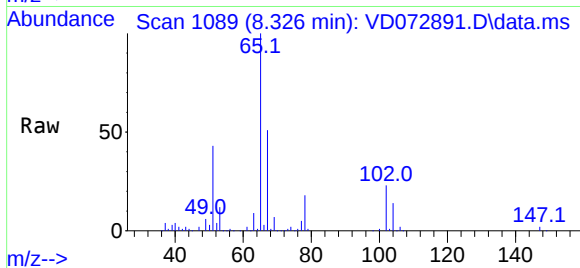
TRE-1254

Tgt Ion: 65 Resp: 199108

Ion Ratio Lower Upper

65 100

67 51.5 0.0 101.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 1179

Delta R.T. -0.006 min

Lab File: VD072891.D

Acq: 09 May 2022 15:28

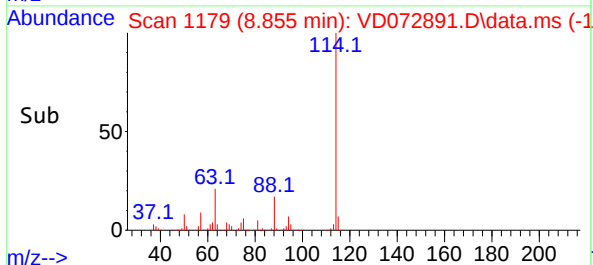
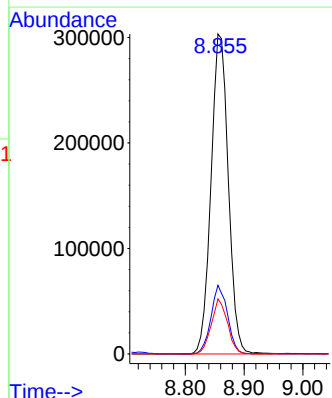
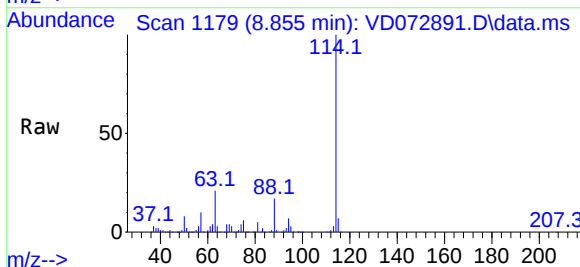
Tgt Ion: 114 Resp: 618826

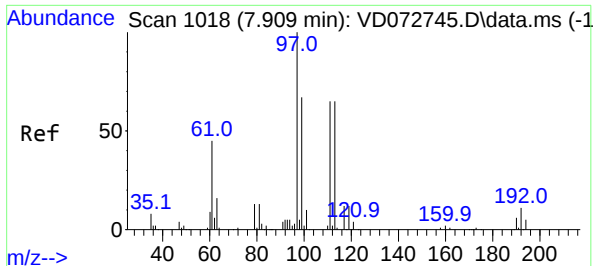
Ion Ratio Lower Upper

114 100

63 21.5 0.0 46.6

88 17.2 0.0 33.2





#35

Dibromofluoromethane

Concen: 45.407 ug/l

RT: 7.908 min Scan# 1

Delta R.T. -0.001 min

Lab File: VD072891.D

Acq: 09 May 2022 15:28

Instrument :

MSVOA_D

ClientSampleId :

TRE-1254

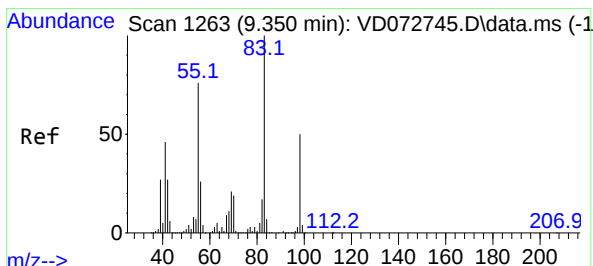
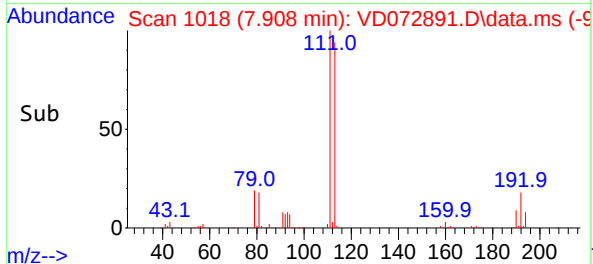
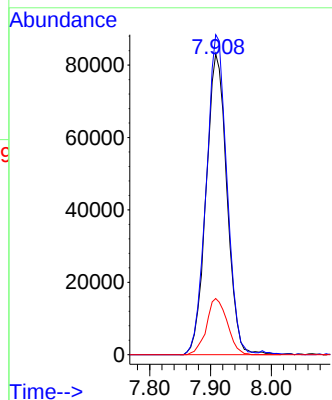
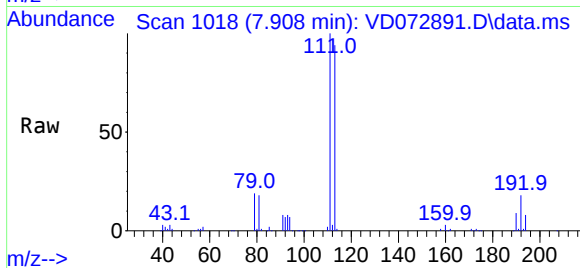
Tgt Ion:113 Resp: 197344

Ion Ratio Lower Upper

113 100

111 105.3 83.8 125.6

192 18.6 14.6 21.8



#39

Methylcyclohexane

Concen: 78.756 ug/l

RT: 9.350 min Scan# 1263

Delta R.T. -0.000 min

Lab File: VD072891.D

Acq: 09 May 2022 15:28

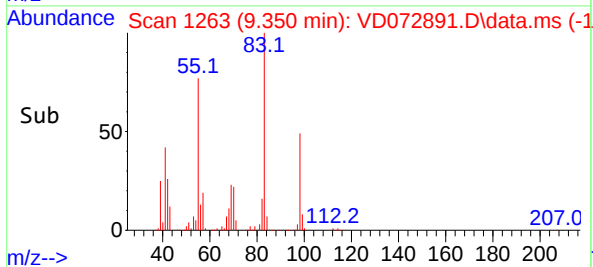
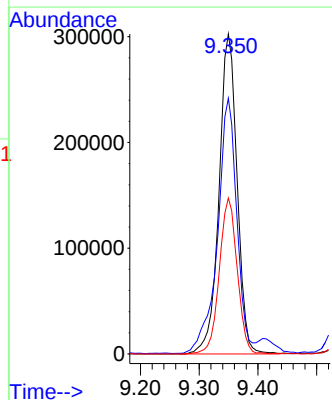
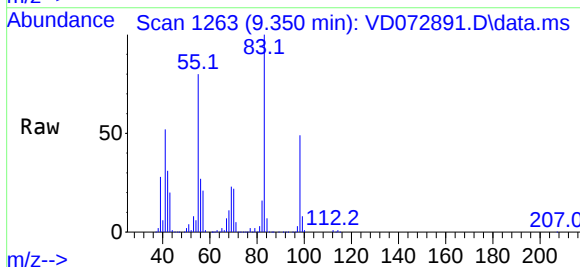
Tgt Ion: 83 Resp: 645563

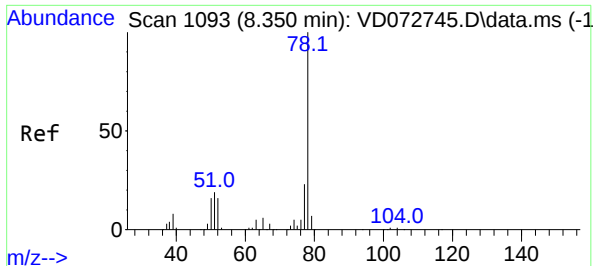
Ion Ratio Lower Upper

83 100

55 79.7 63.2 94.8

98 48.8 38.2 57.4

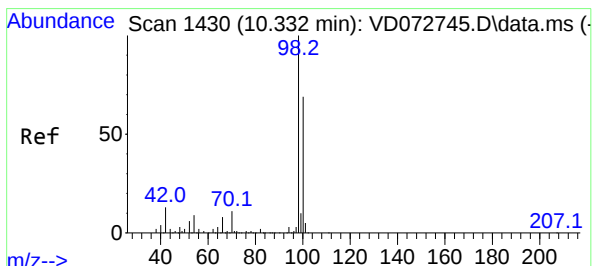
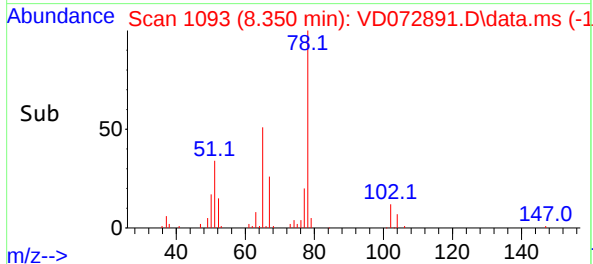
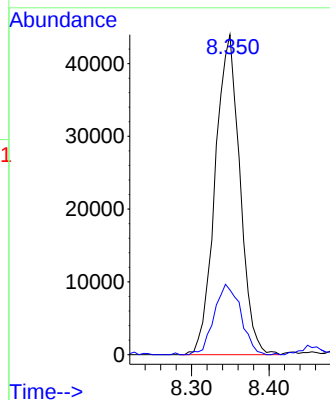
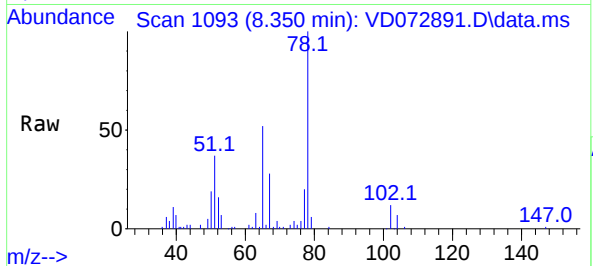




#40
Benzene
Concen: 4.790 ug/l
RT: 8.350 min Scan# 1093
Delta R.T. -0.000 min
Lab File: VD072891.D
Acq: 09 May 2022 15:28

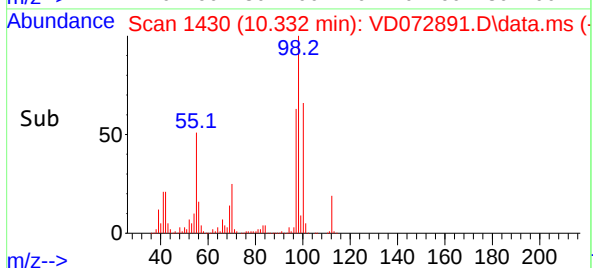
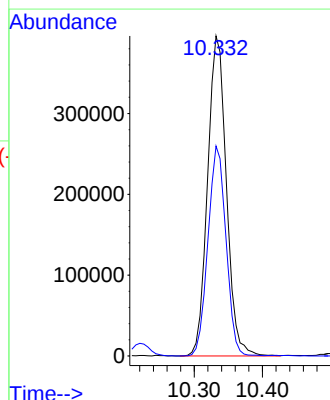
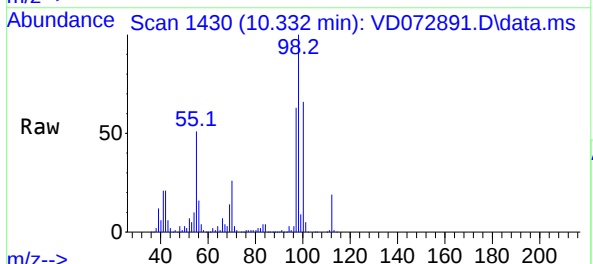
Instrument :
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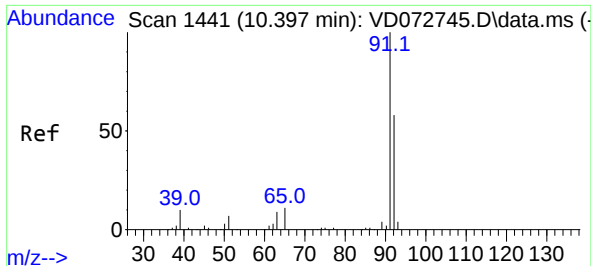
Tgt Ion: 78 Resp: 97750
Ion Ratio Lower Upper
78 100
77 20.2 19.1 28.7



#50
Toluene-d8
Concen: 48.778 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD072891.D
Acq: 09 May 2022 15:28

Tgt Ion: 98 Resp: 760447
Ion Ratio Lower Upper
98 100
100 62.8 52.4 78.6

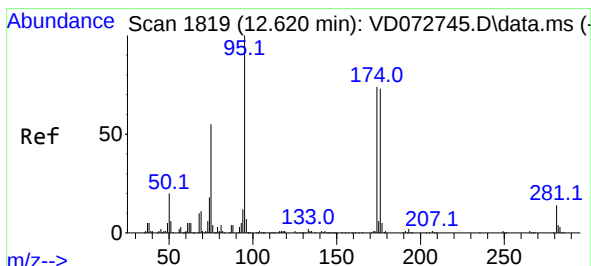
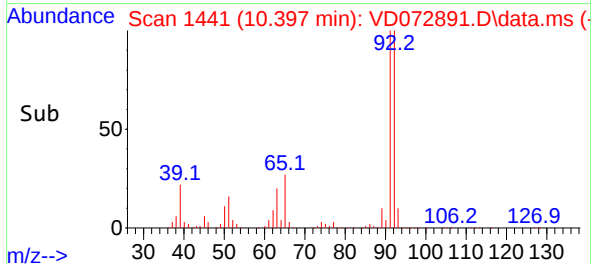
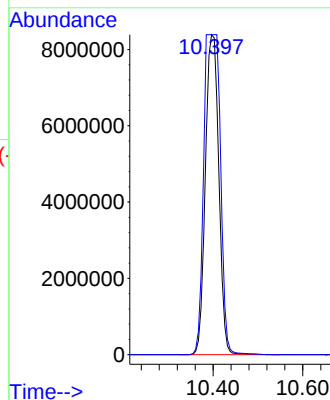
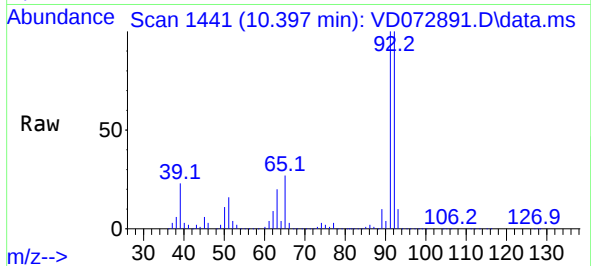




#52
Toluene
Concen: 1362.440 ug/l
RT: 10.397 min Scan# 1441
Delta R.T. -0.000 min
Lab File: VD072891.D
Acq: 09 May 2022 15:28

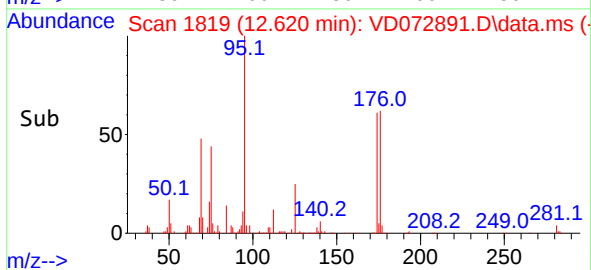
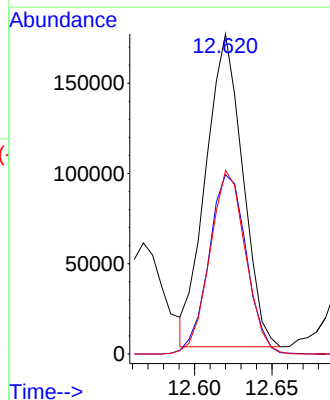
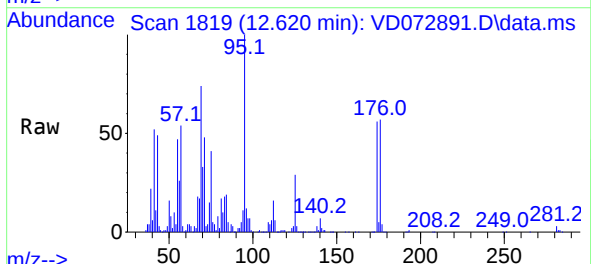
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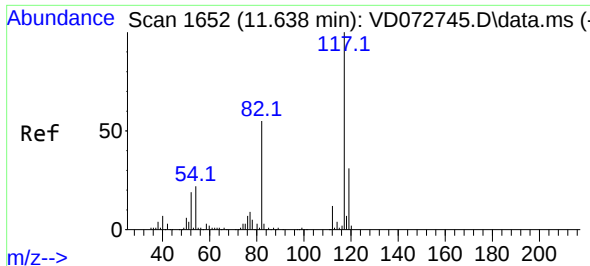
Tgt Ion: 92 Resp:17344439
Ion Ratio Lower Upper
92 100
91 0.0 139.6 209.4#



#62
4-Bromofluorobenzene
Concen: 49.337 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD072891.D
Acq: 09 May 2022 15:28

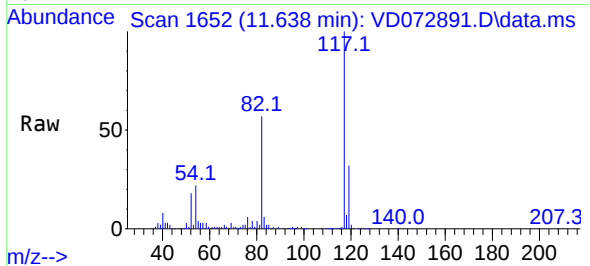
Tgt Ion: 95 Resp: 286799
Ion Ratio Lower Upper
95 100
174 58.3 0.0 152.8
176 56.7 0.0 145.4



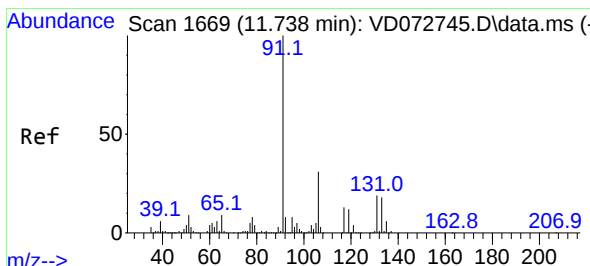
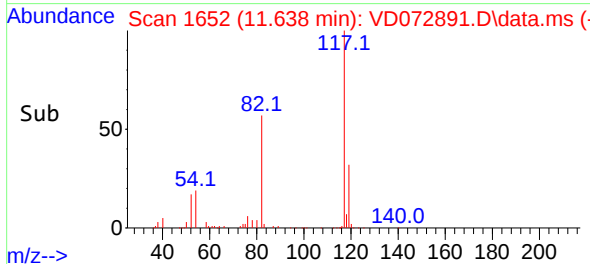
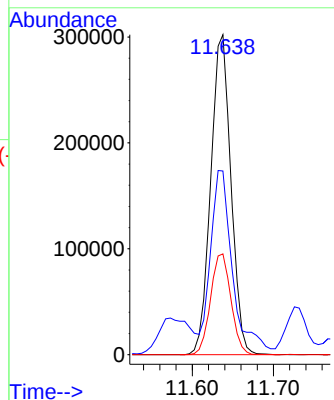


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD072891.D
Acq: 09 May 2022 15:28

Instrument :
MSVOA_D
ClientSampleId :
TRE-1254

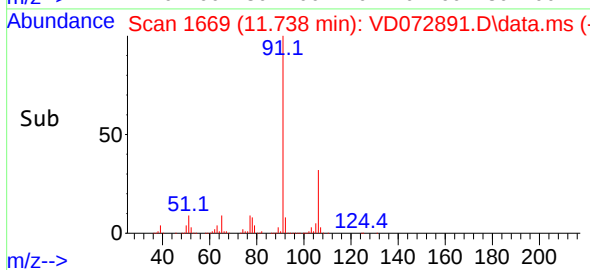
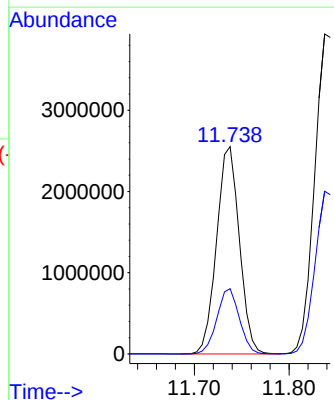
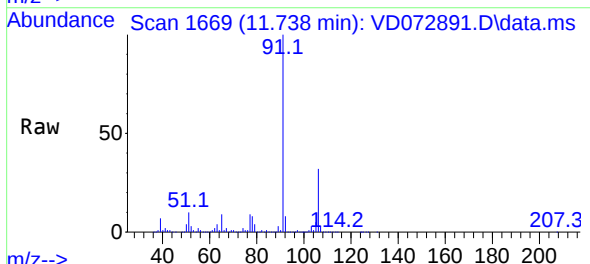


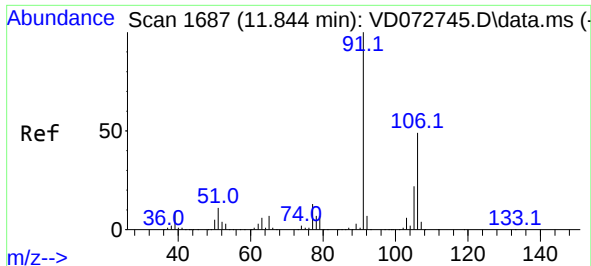
Tgt Ion:117 Resp: 521810
Ion Ratio Lower Upper
117 100
82 53.2 45.3 67.9
119 31.5 26.6 40.0



#67
Ethyl Benzene
Concen: 204.148 ug/l
RT: 11.738 min Scan# 1669
Delta R.T. -0.000 min
Lab File: VD072891.D
Acq: 09 May 2022 15:28

Tgt Ion: 91 Resp: 4264064
Ion Ratio Lower Upper
91 100
106 31.5 24.2 36.4

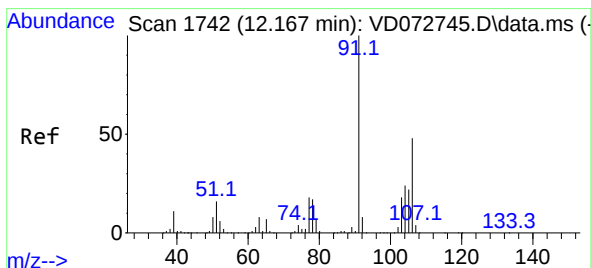
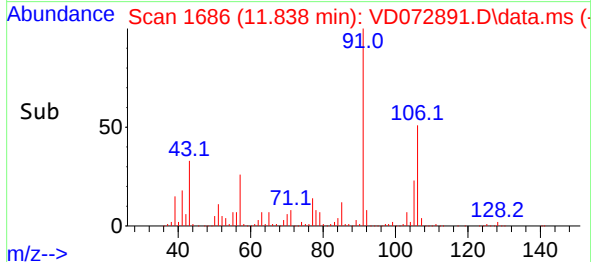
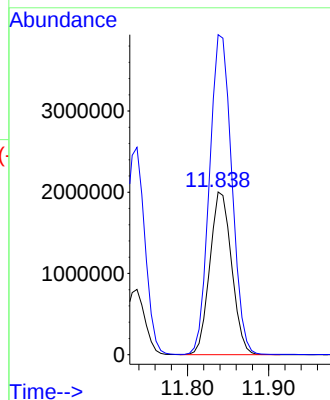
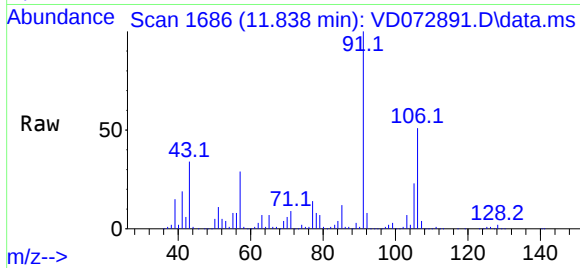




#68
m/p-Xylenes
Concen: 464.164 ug/l
RT: 11.838 min Scan# 1686
Delta R.T. -0.006 min
Lab File: VD072891.D
Acq: 09 May 2022 15:28

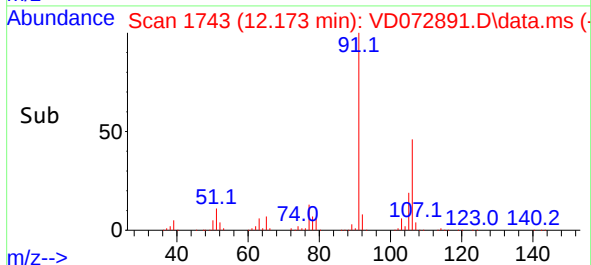
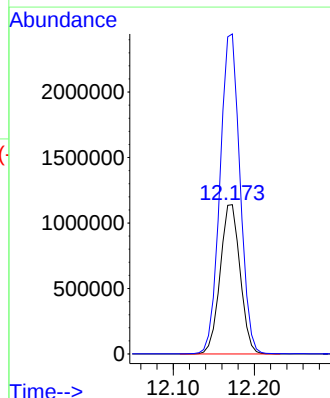
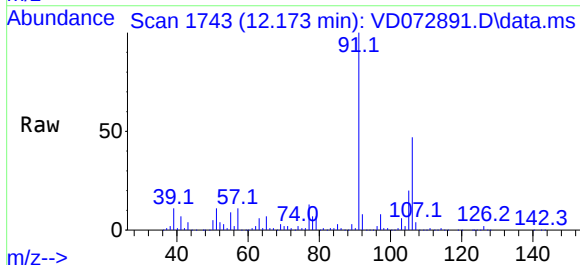
Instrument :
MSVOA_D
ClientSampleId :
TRE-1254

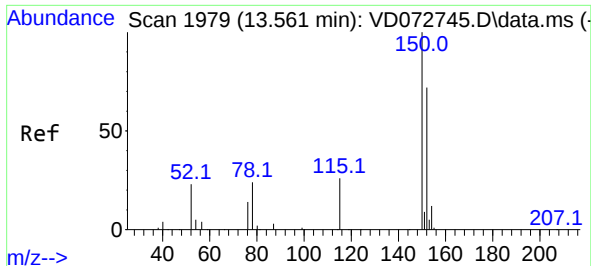
Tgt Ion:106 Resp: 3734550
Ion Ratio Lower Upper
106 100
91 201.6 163.7 245.5



#69
o-Xylene
Concen: 259.208 ug/l
RT: 12.173 min Scan# 1743
Delta R.T. 0.006 min
Lab File: VD072891.D
Acq: 09 May 2022 15:28

Tgt Ion:106 Resp: 1947748
Ion Ratio Lower Upper
106 100
91 215.0 110.4 331.2

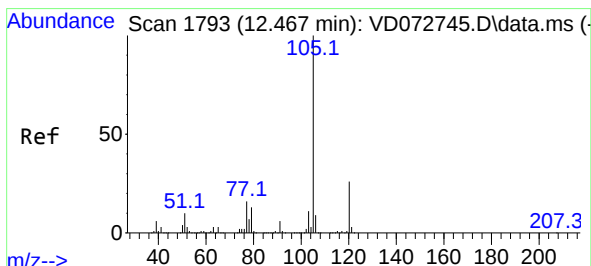
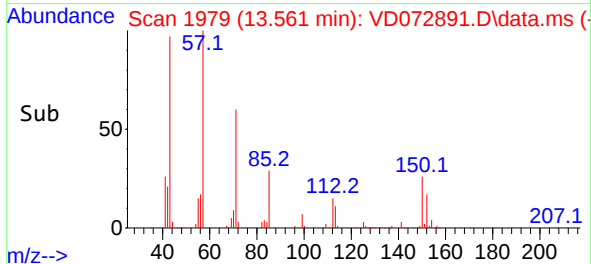
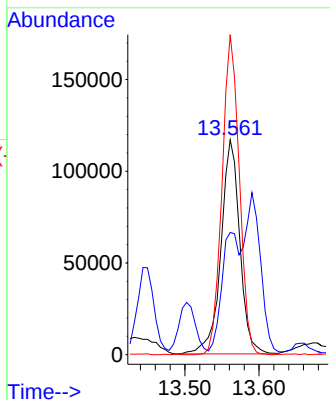
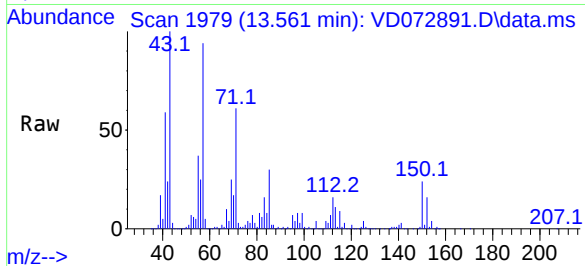




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VD072891.D
Acq: 09 May 2022 15:28

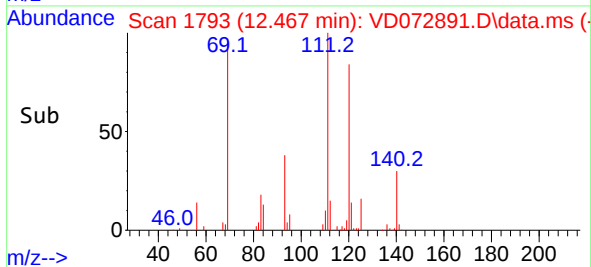
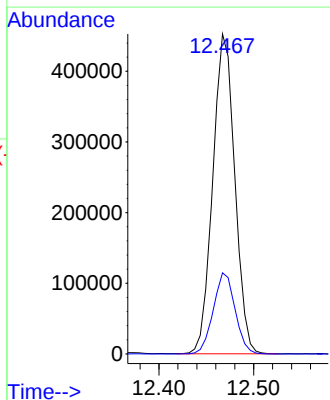
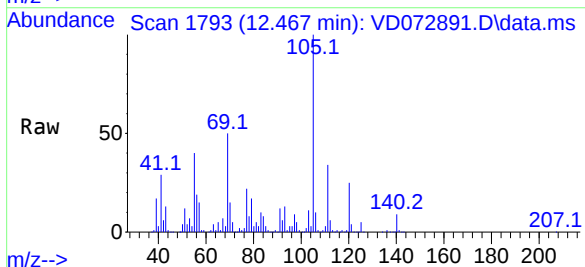
Instrument :
MSVOA_D
ClientSampleId :
TRE-1254

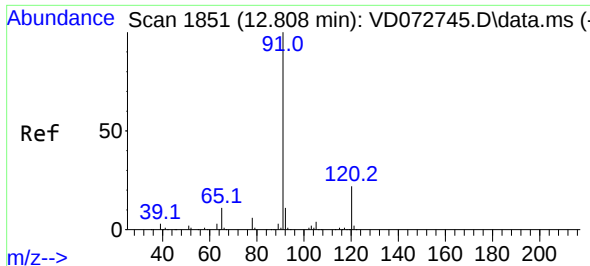
Tgt Ion:152 Resp: 206294
Ion Ratio Lower Upper
152 100
115 51.3 31.3 93.8
150 136.5 0.0 348.6



#73
Isopropylbenzene
Concen: 45.528 ug/l
RT: 12.467 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VD072891.D
Acq: 09 May 2022 15:28

Tgt Ion:105 Resp: 730741
Ion Ratio Lower Upper
105 100
120 25.2 13.0 38.9

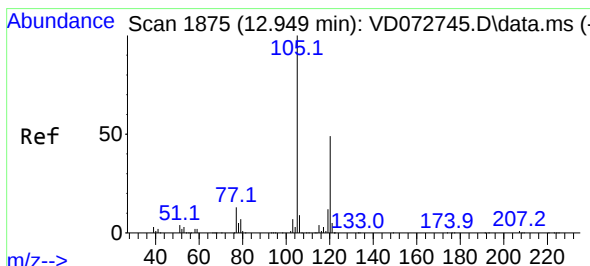
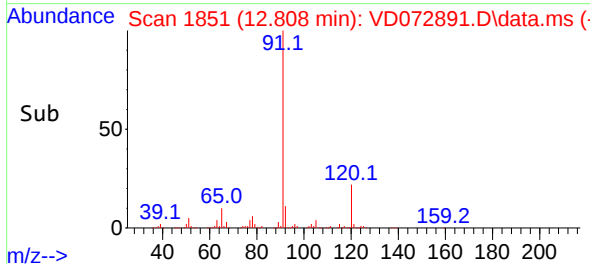
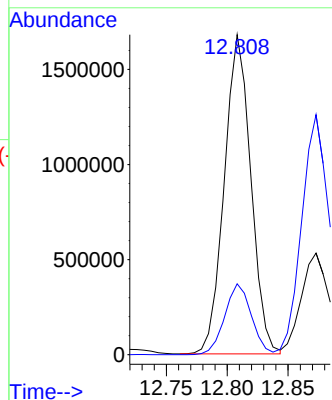
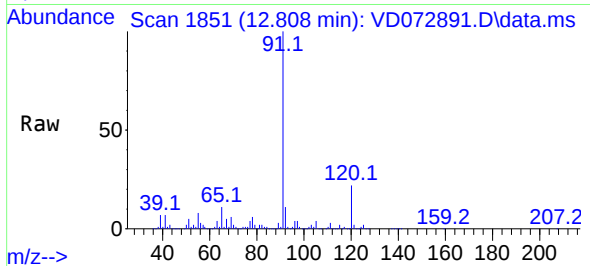




#78
n-propylbenzene
Concen: 126.144 ug/l
RT: 12.808 min Scan# 1851
Delta R.T. 0.000 min
Lab File: VD072891.D
Acq: 09 May 2022 15:28

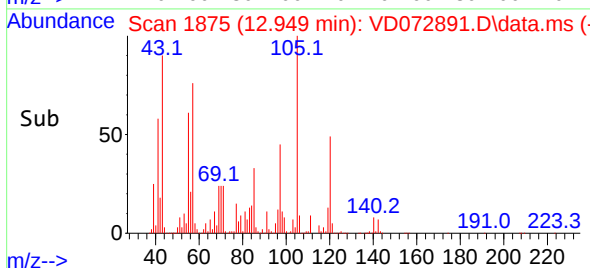
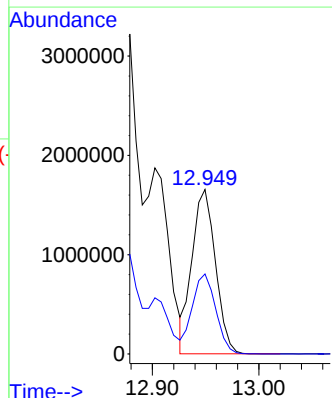
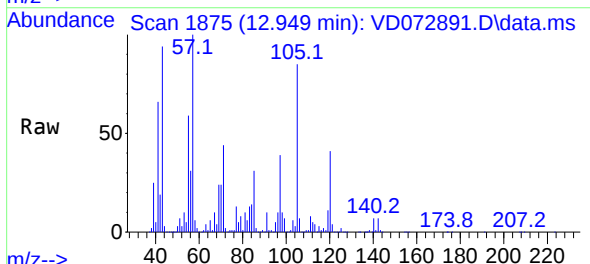
Instrument :
MSVOA_D
ClientSampleId :
TRE-1254

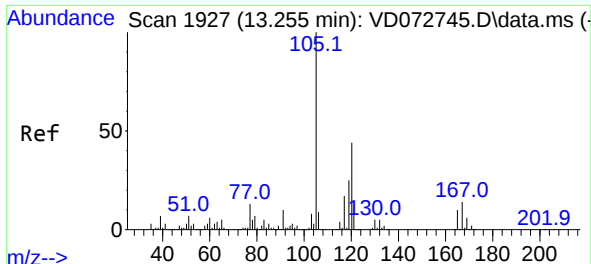
Tgt Ion: 91 Resp: 2551736
Ion Ratio Lower Upper
91 100
120 22.3 10.9 32.9



#80
1,3,5-Trimethylbenzene
Concen: 186.528 ug/l
RT: 12.949 min Scan# 1875
Delta R.T. 0.000 min
Lab File: VD072891.D
Acq: 09 May 2022 15:28

Tgt Ion:105 Resp: 2538565
Ion Ratio Lower Upper
105 100
120 49.0 24.3 72.8

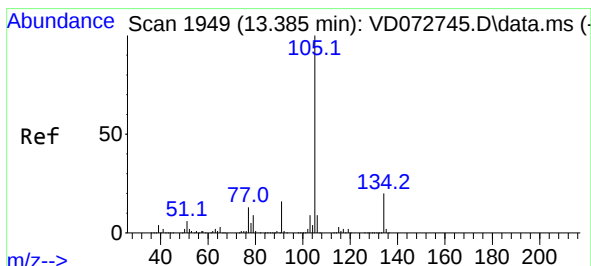
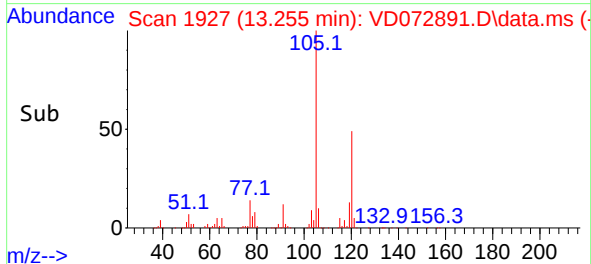
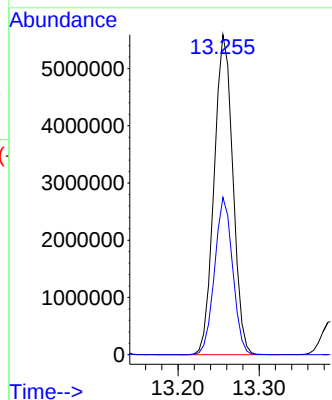
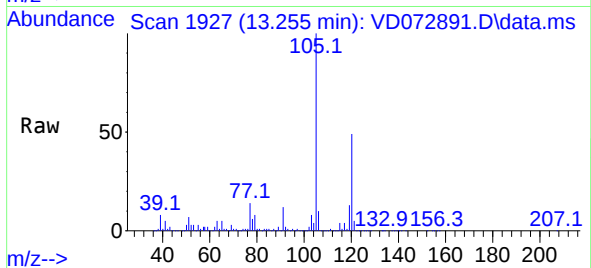




#84
1,2,4-Trimethylbenzene
Concen: 659.126 ug/l
RT: 13.255 min Scan# 1927
Delta R.T. 0.000 min
Lab File: VD072891.D
Acq: 09 May 2022 15:28

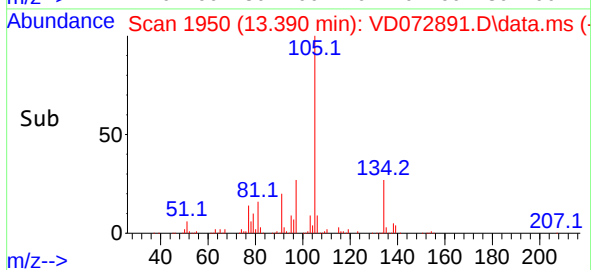
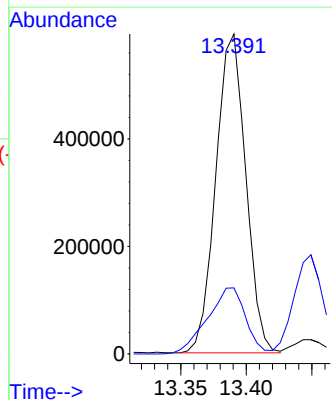
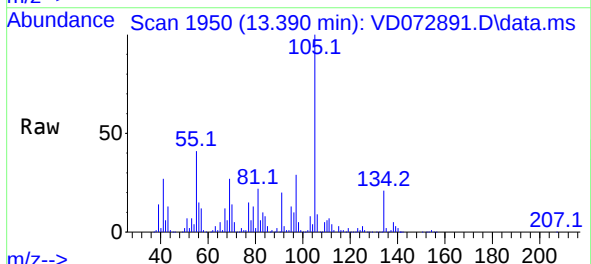
Instrument :
MSVOA_D
ClientSampleId :
TRE-1254

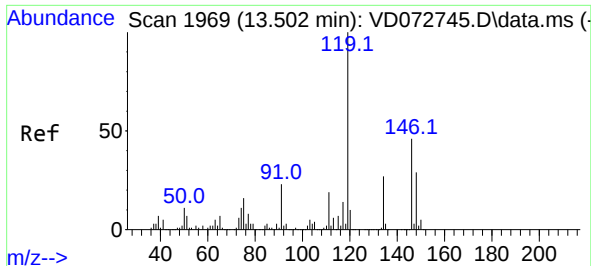
Tgt Ion:105 Resp: 8966481
Ion Ratio Lower Upper
105 100
120 47.3 22.3 66.8



#85
sec-Butylbenzene
Concen: 54.009 ug/l
RT: 13.390 min Scan# 1950
Delta R.T. 0.005 min
Lab File: VD072891.D
Acq: 09 May 2022 15:28

Tgt Ion:105 Resp: 942509
Ion Ratio Lower Upper
105 100
134 26.6 9.8 29.3

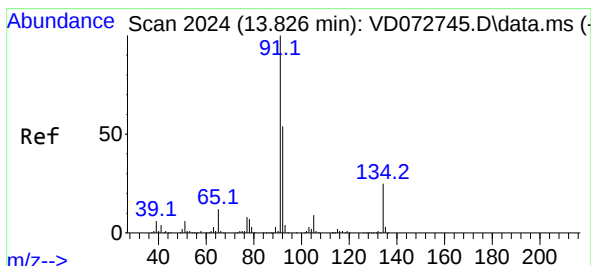
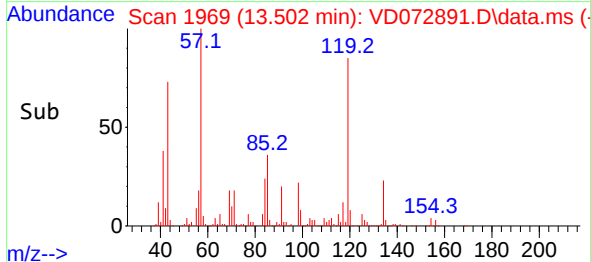
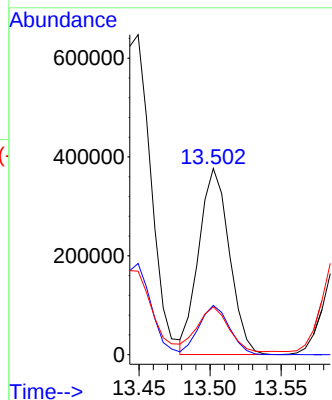
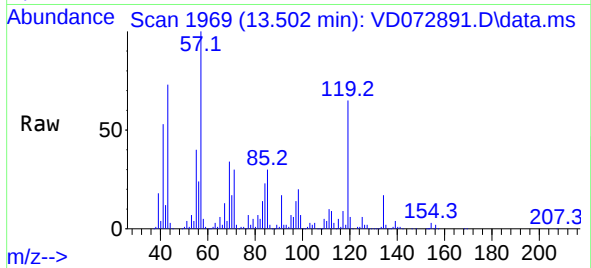




#86
p-Isopropyltoluene
Concen: 39.429 ug/l
RT: 13.502 min Scan# 1969
Delta R.T. 0.000 min
Lab File: VD072891.D
Acq: 09 May 2022 15:28

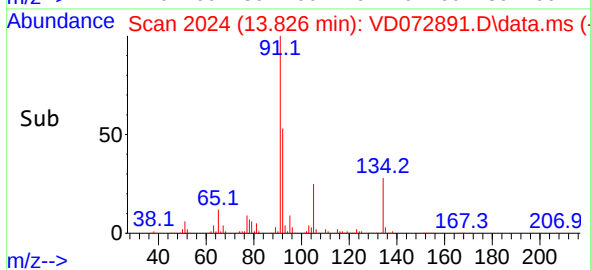
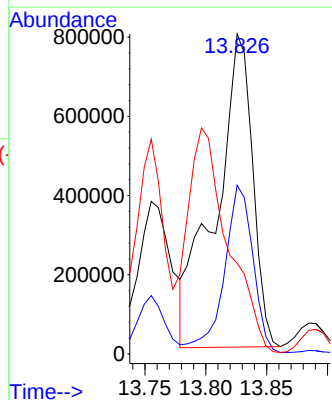
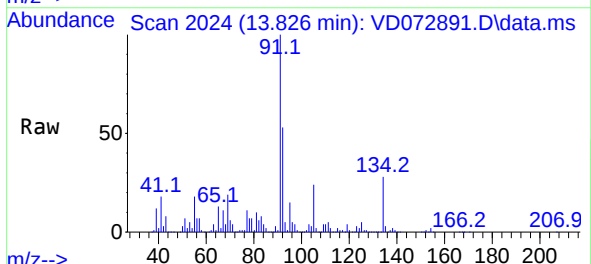
Instrument :
MSVOA_D
ClientSampleId :
TRE-1254

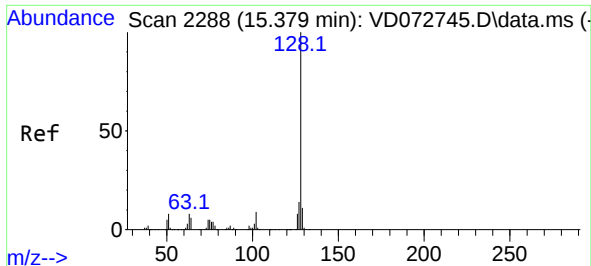
Tgt Ion:119 Resp: 564146
Ion Ratio Lower Upper
119 100
134 26.5 12.9 38.6
91 24.1 12.1 36.3



#89
n-Butylbenzene
Concen: 120.306 ug/l
RT: 13.826 min Scan# 2024
Delta R.T. -0.000 min
Lab File: VD072891.D
Acq: 09 May 2022 15:28

Tgt Ion: 91 Resp: 1667472
Ion Ratio Lower Upper
91 100
92 41.3 26.6 79.8
134 0.0 12.3 36.9#





#95

Naphthalene

Concen: 71.061 ug/l

RT: 15.385 min Scan# 21

Delta R.T. 0.006 min

Lab File: VD072891.D

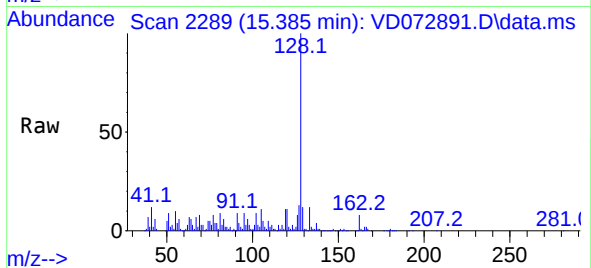
Acq: 09 May 2022 15:28

Instrument :

MSVOA_D

ClientSampleId :

TRE-1254



Tgt Ion:128 Resp: 517757

Ion Ratio Lower Upper

128 100

127 14.3 10.3 15.5

129 12.9 8.4 12.6#

