

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD050922\
 Data File : VD072895.D
 Acq On : 09 May 2022 17:22
 Operator : VA/SY
 Sample : N2725-01
 Misc : 5.03G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TRE-1254

Quant Time: May 09 17:48:56 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)

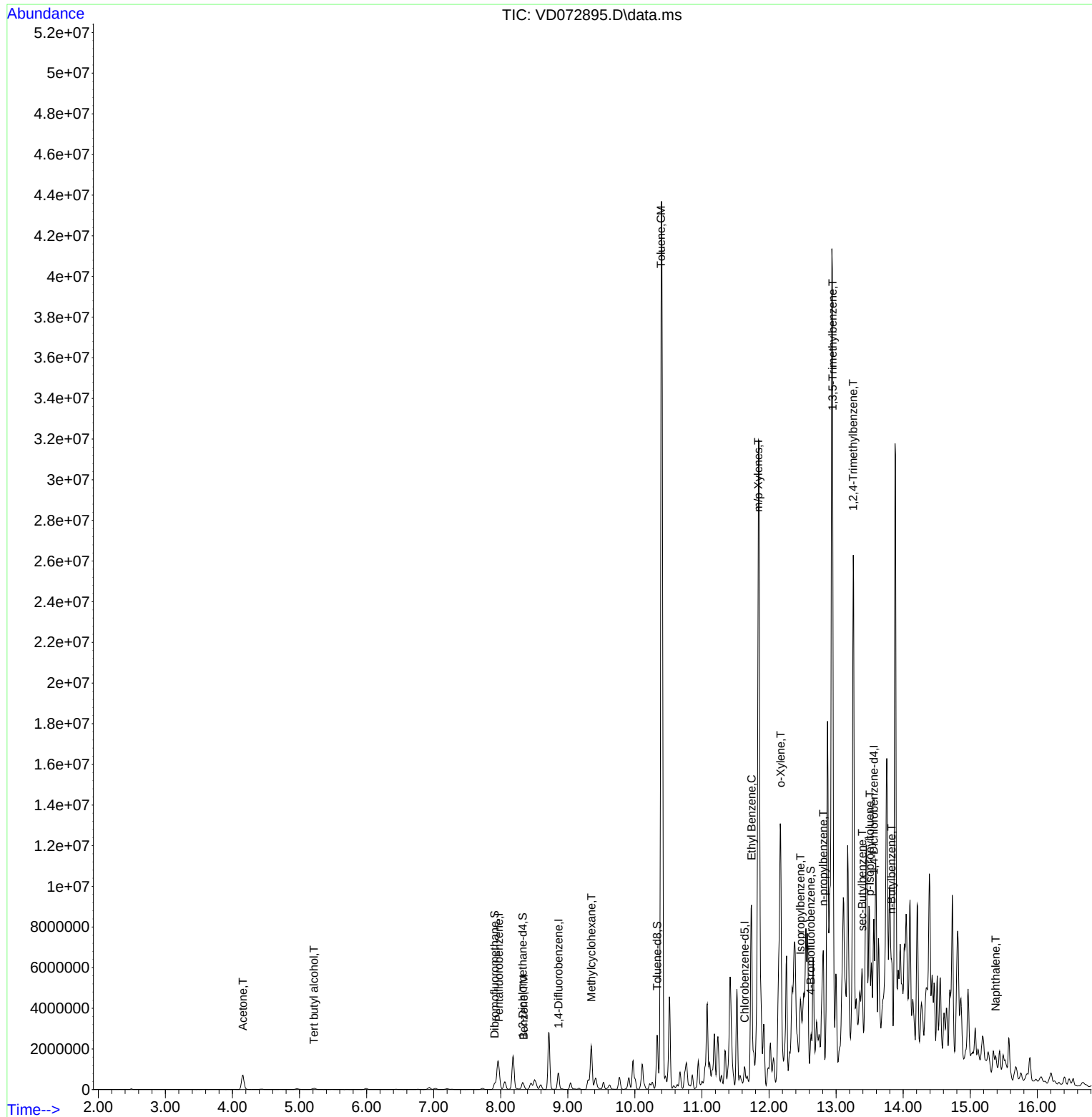
Internal Standards						
1) Pentafluorobenzene	7.973	168	395879	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	684406	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	559842	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	187062	50.000	ug/l	# 0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	225775	43.935	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	87.880%
35) Dibromofluoromethane	7.909	113	216794	45.103	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	90.200%
50) Toluene-d8	10.332	98	845536	49.039	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	98.080%
62) 4-Bromofluorobenzene	12.620	95	318322	49.513	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	99.020%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.215	59	106381	239.266	ug/l	97
16) Acetone	4.156	43	1261735	1374.508	ug/l	94
39) Methylcyclohexane	9.350	83	820474	90.503	ug/l	99
40) Benzene	8.344	78	113733	5.039	ug/l	98
52) Toluene	10.391	92	19915668	1414.512	ug/l	# 1
67) Ethyl Benzene	11.738	91	6176471	275.619	ug/l	98
68) m/p-Xylenes	11.838	106	5481504	635.008	ug/l	96
69) o-Xylene	12.173	106	2808960	348.425	ug/l	97
73) Isopropylbenzene	12.467	105	1117426	76.778	ug/l	99
78) n-propylbenzene	12.808	91	3930646	214.286	ug/l	100
80) 1,3,5-Trimethylbenzene	12.949	105	3877943	314.238	ug/l	99
84) 1,2,4-Trimethylbenzene	13.255	105	12736434	1032.512	ug/l	92
85) sec-Butylbenzene	13.391	105	1478304	93.421	ug/l	85
86) p-Isopropyltoluene	13.502	119	869199	66.995	ug/l	98
89) n-Butylbenzene	13.826	91	2553981	203.211	ug/l	# 74
95) Naphthalene	15.379	128	603285	91.313	ug/l	97

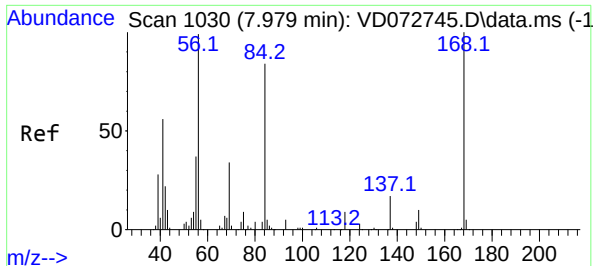
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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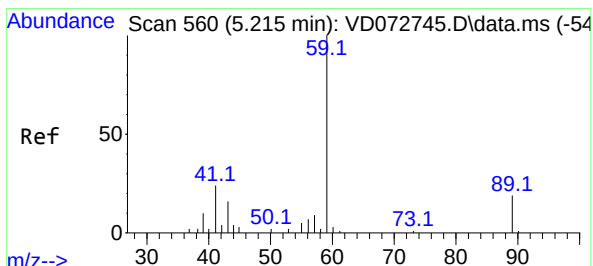
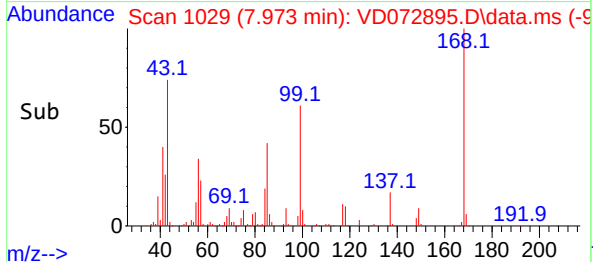
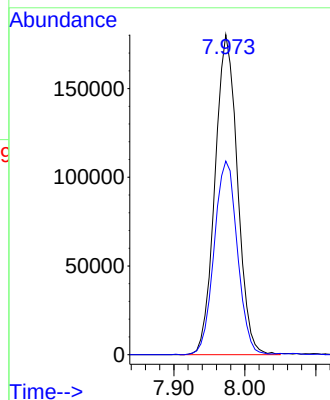
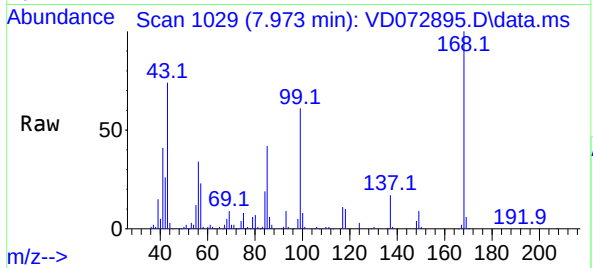




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD072895.D
Acq: 09 May 2022 17:22

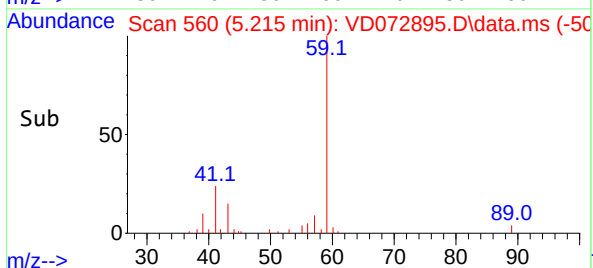
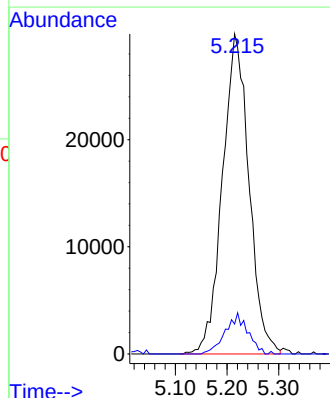
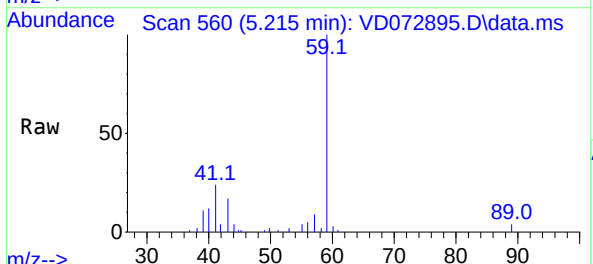
Instrument :
MSVOA_D
ClientSampleId :
TRE-1254

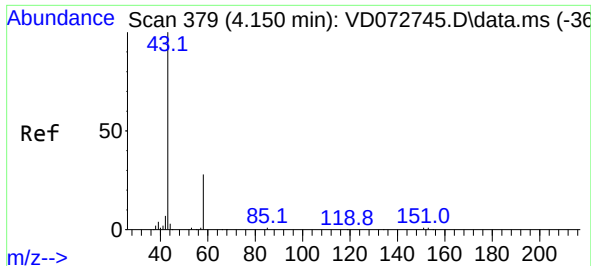
Tgt Ion:168 Resp: 395879
Ion Ratio Lower Upper
168 100
99 60.5 49.8 74.6



#11
Tert butyl alcohol
Concen: 239.266 ug/l
RT: 5.215 min Scan# 560
Delta R.T. -0.000 min
Lab File: VD072895.D
Acq: 09 May 2022 17:22

Tgt Ion: 59 Resp: 106381
Ion Ratio Lower Upper
59 100
57 10.7 7.8 11.6

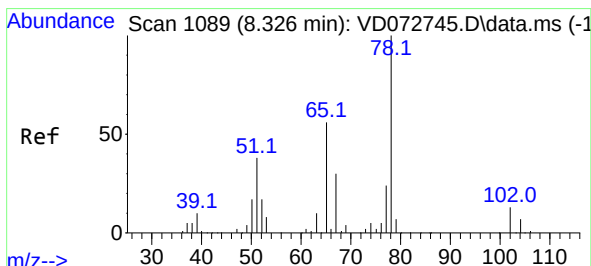
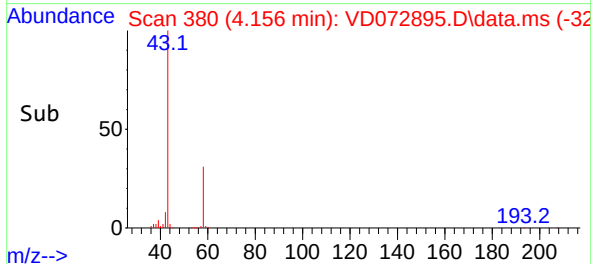
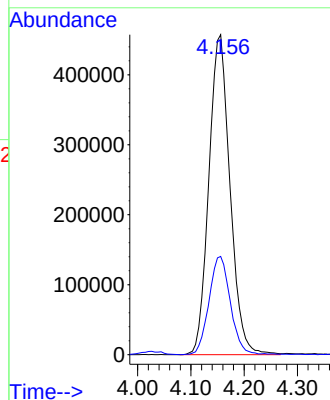
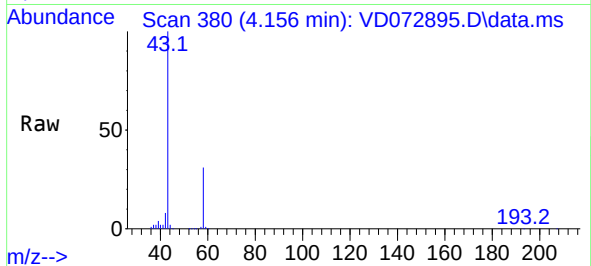




#16
Acetone
Concen: 1374.508 ug/l
RT: 4.156 min Scan# 31
Delta R.T. 0.006 min
Lab File: VD072895.D
Acq: 09 May 2022 17:22

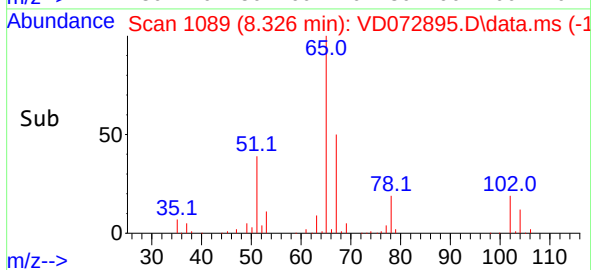
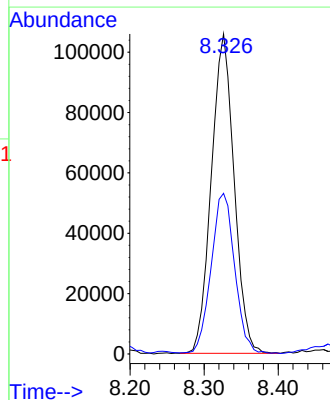
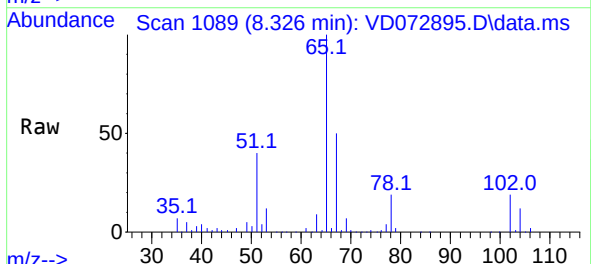
Instrument :
MSVOA_D
ClientSampleId :
TRE-1254

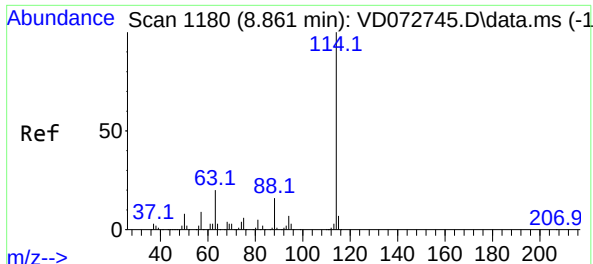
Tgt Ion: 43 Resp: 1261735
Ion Ratio Lower Upper
43 100
58 30.7 22.1 33.1



#33
1,2-Dichloroethane-d4
Concen: 43.935 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD072895.D
Acq: 09 May 2022 17:22

Tgt Ion: 65 Resp: 225775
Ion Ratio Lower Upper
65 100
67 51.9 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: VD072895.D

Acq: 09 May 2022 17:22

Instrument :

MSVOA_D

ClientSampleId :

TRE-1254

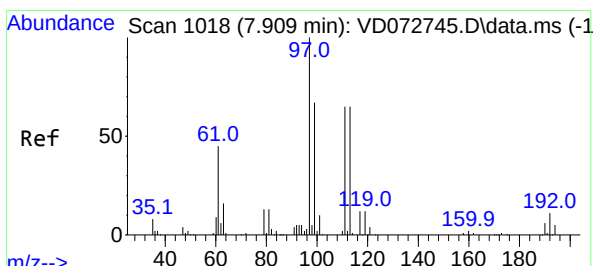
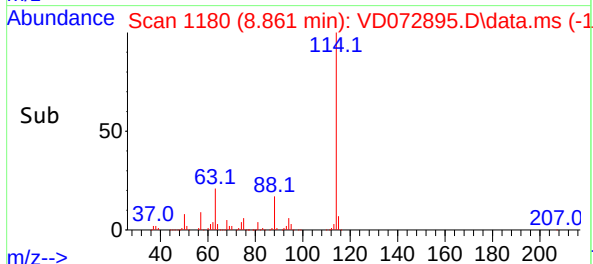
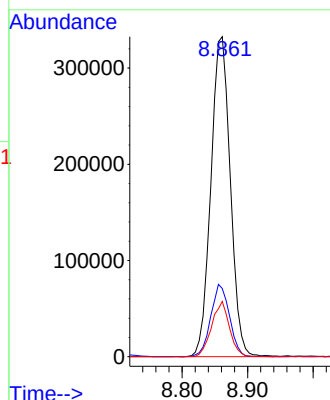
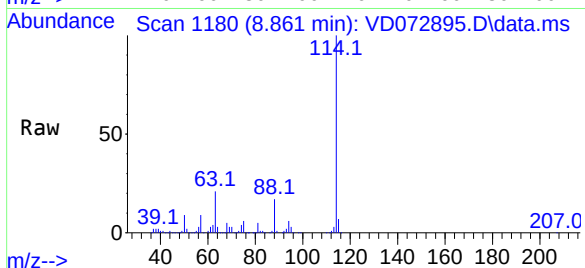
Tgt Ion:114 Resp: 684406

Ion Ratio Lower Upper

114 100

63 21.3 0.0 46.6

88 17.2 0.0 33.2



#35

Dibromofluoromethane

Concen: 45.103 ug/l

RT: 7.909 min Scan# 1018

Delta R.T. -0.000 min

Lab File: VD072895.D

Acq: 09 May 2022 17:22

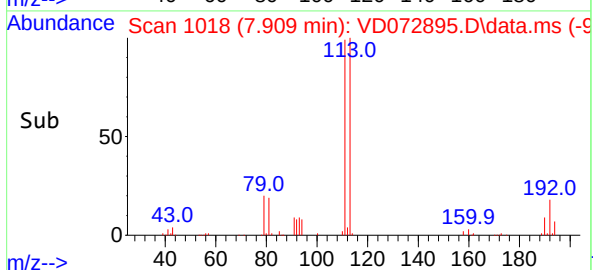
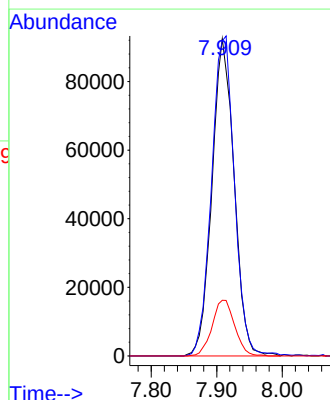
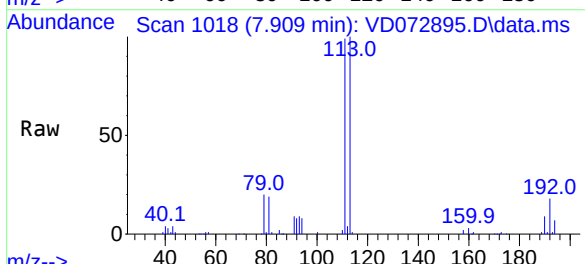
Tgt Ion:113 Resp: 216794

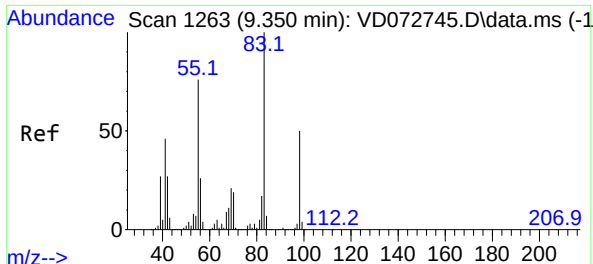
Ion Ratio Lower Upper

113 100

111 104.4 83.8 125.6

192 18.0 14.6 21.8

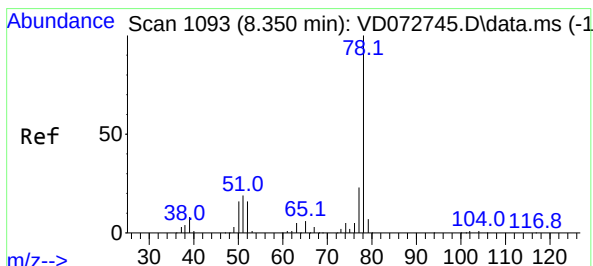
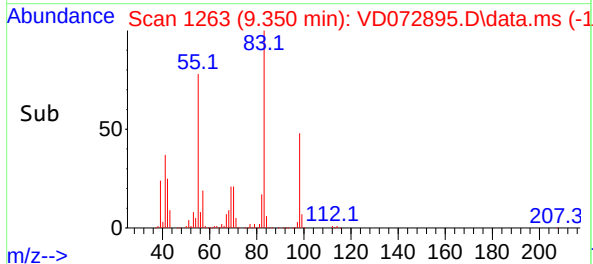
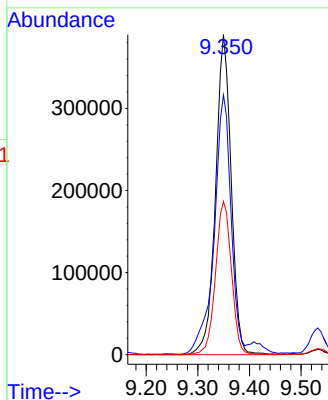
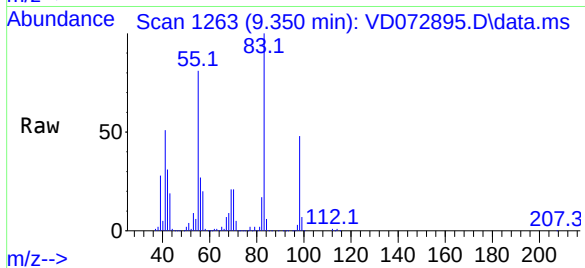




#39
Methylcyclohexane
Concen: 90.503 ug/l
RT: 9.350 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD072895.D
Acq: 09 May 2022 17:22

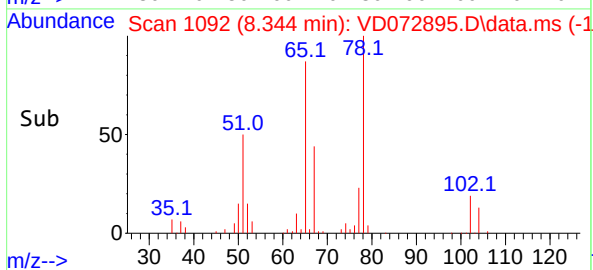
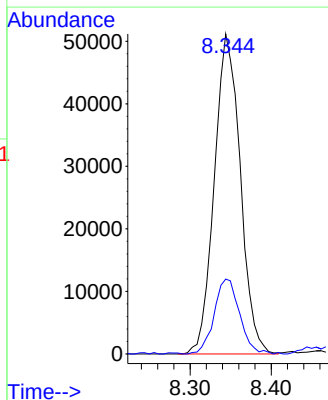
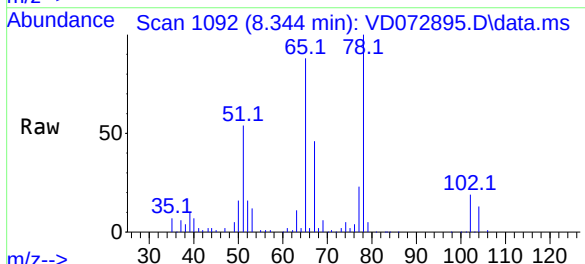
Instrument :
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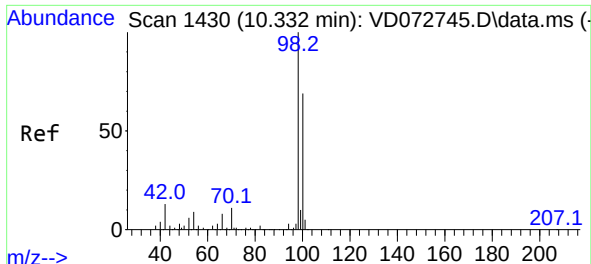
Tgt Ion: 83 Resp: 820474
Ion Ratio Lower Upper
83 100
55 81.0 63.2 94.8
98 47.9 38.2 57.4



#40
Benzene
Concen: 5.039 ug/l
RT: 8.344 min Scan# 1092
Delta R.T. -0.006 min
Lab File: VD072895.D
Acq: 09 May 2022 17:22

Tgt Ion: 78 Resp: 113733
Ion Ratio Lower Upper
78 100
77 23.1 19.1 28.7

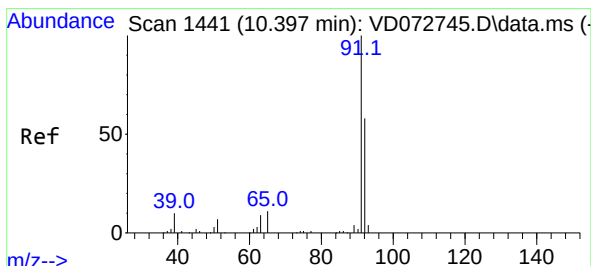
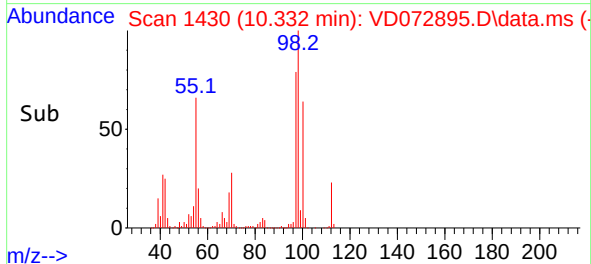
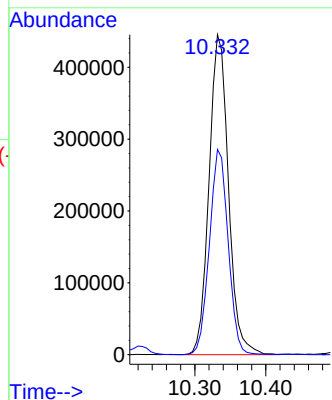
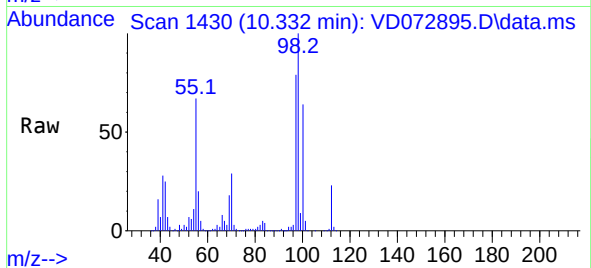




#50
Toluene-d8
Concen: 49.039 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD072895.D
Acq: 09 May 2022 17:22

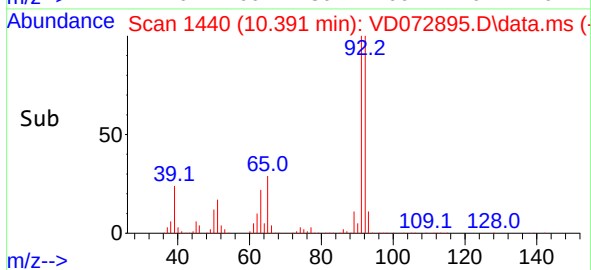
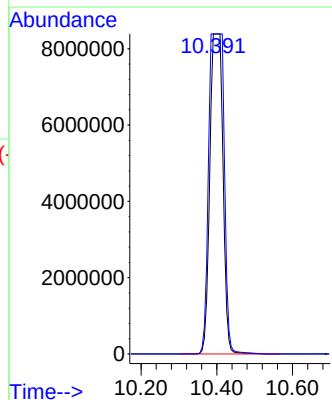
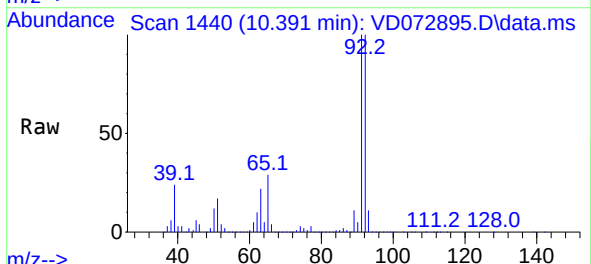
Instrument :
MSVOA_D
ClientSampleId :
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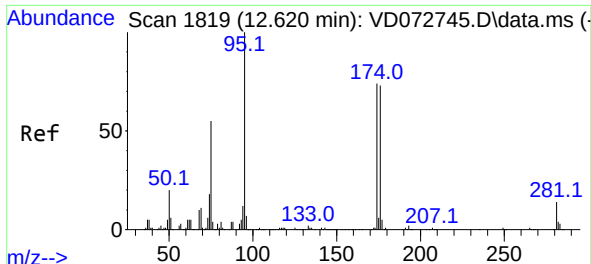
Tgt Ion: 98 Resp: 845536
Ion Ratio Lower Upper
98 100
100 62.0 52.4 78.6



#52
Toluene
Concen: 1414.512 ug/l
RT: 10.391 min Scan# 1440
Delta R.T. -0.006 min
Lab File: VD072895.D
Acq: 09 May 2022 17:22

Tgt Ion: 92 Resp:19915668
Ion Ratio Lower Upper
92 100
91 0.0 139.6 209.4#

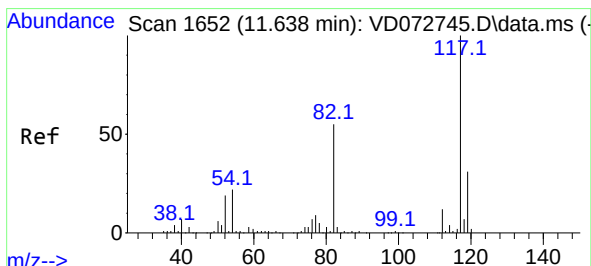
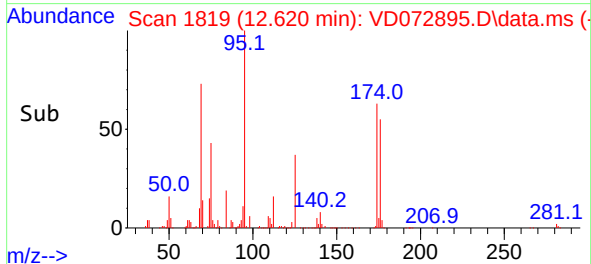
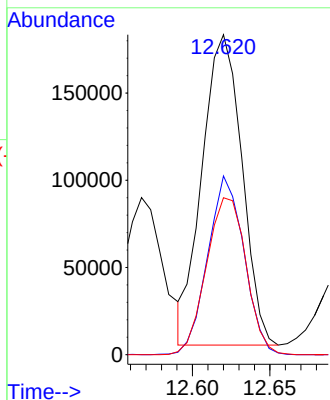
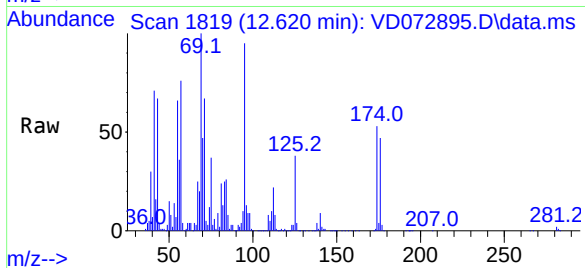




#62
4-Bromofluorobenzene
Concen: 49.513 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD072895.D
Acq: 09 May 2022 17:22

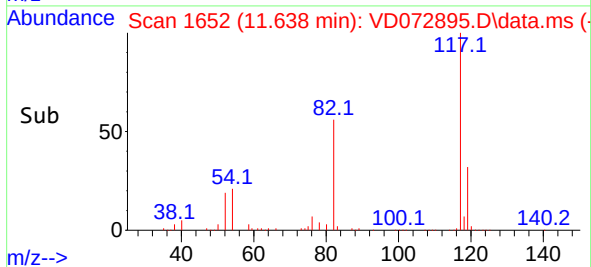
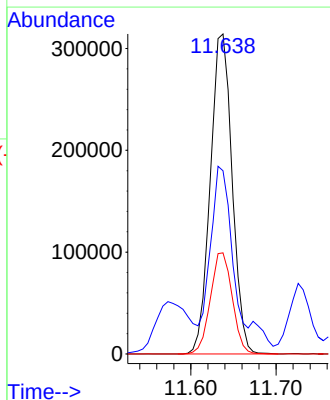
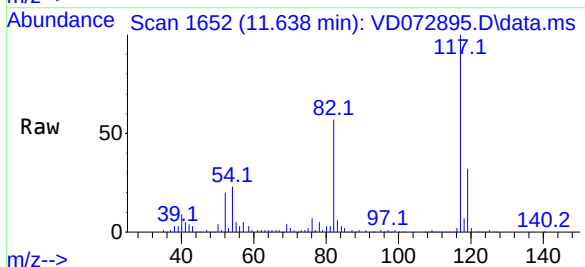
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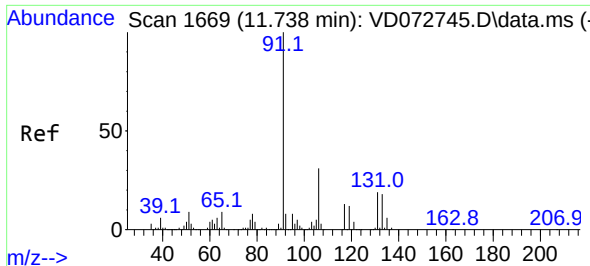
Tgt Ion: 95 Resp: 318322
Ion Ratio Lower Upper
95 100
174 52.4 0.0 152.8
176 50.4 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD072895.D
Acq: 09 May 2022 17:22

Tgt Ion: 117 Resp: 559842
Ion Ratio Lower Upper
117 100
82 54.2 45.3 67.9
119 31.6 26.6 40.0

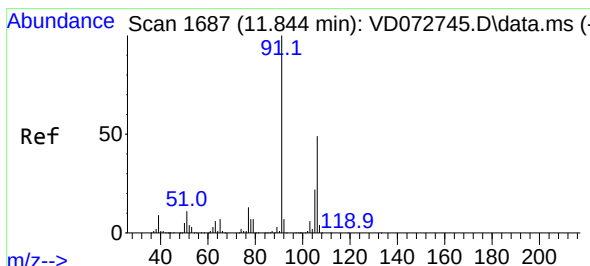
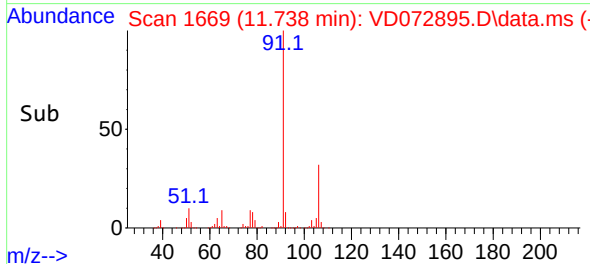
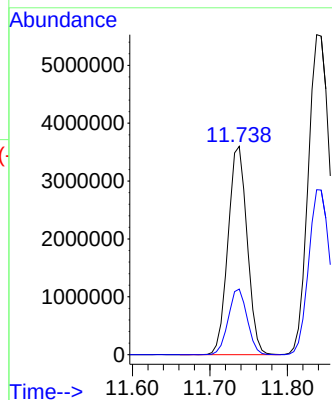
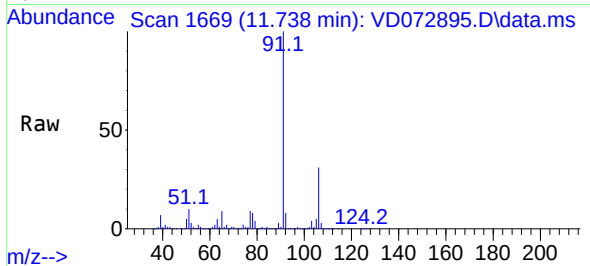




#67
Ethyl Benzene
Concen: 275.619 ug/l
RT: 11.738 min Scan# 1669
Delta R.T. -0.000 min
Lab File: VD072895.D
Acq: 09 May 2022 17:22

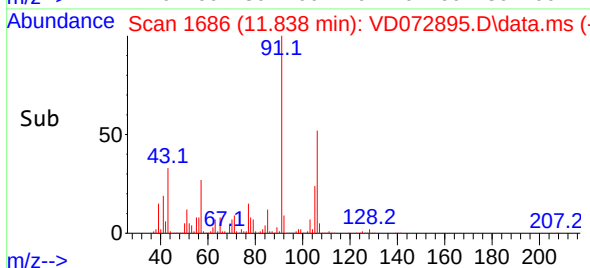
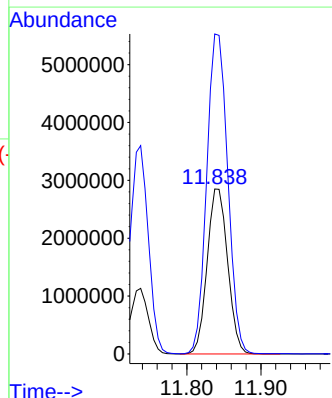
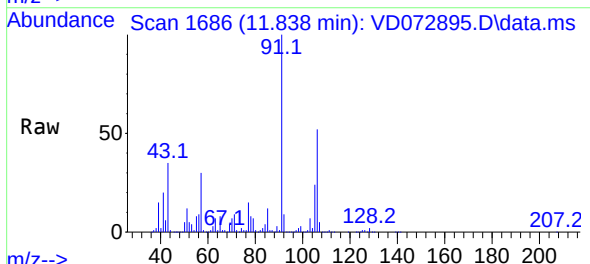
Instrument :
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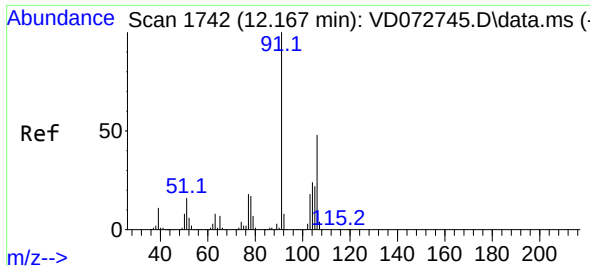
Tgt Ion: 91 Resp: 6176471
Ion Ratio Lower Upper
91 100
106 31.5 24.2 36.4



#68
m/p-Xylenes
Concen: 635.008 ug/l
RT: 11.838 min Scan# 1686
Delta R.T. -0.006 min
Lab File: VD072895.D
Acq: 09 May 2022 17:22

Tgt Ion:106 Resp: 5481504
Ion Ratio Lower Upper
106 100
91 198.3 163.7 245.5

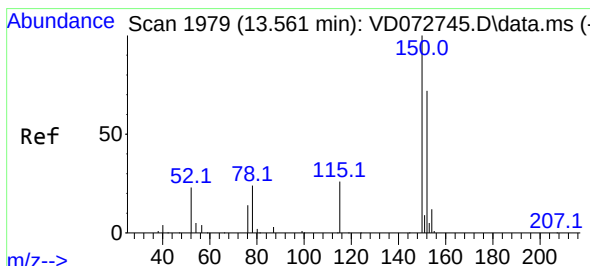
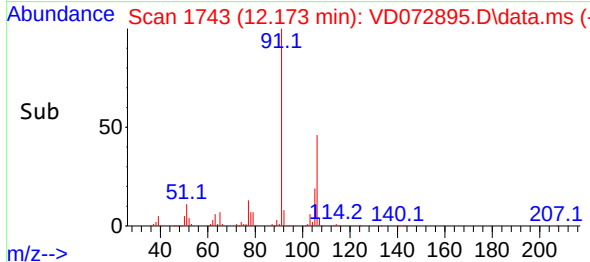
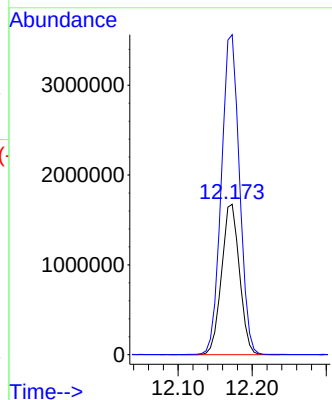
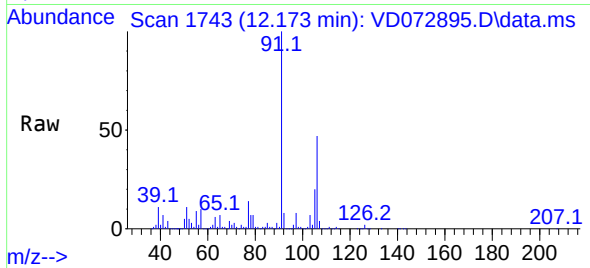




#69
o-Xylene
Concen: 348.425 ug/l
RT: 12.173 min Scan# 11
Delta R.T. 0.006 min
Lab File: VD072895.D
Acq: 09 May 2022 17:22

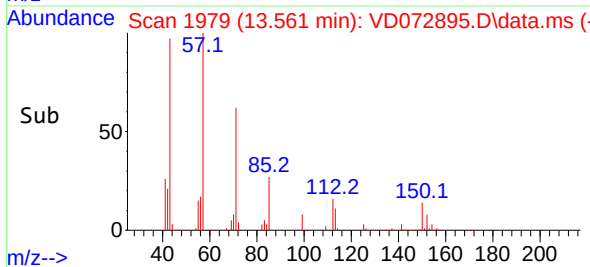
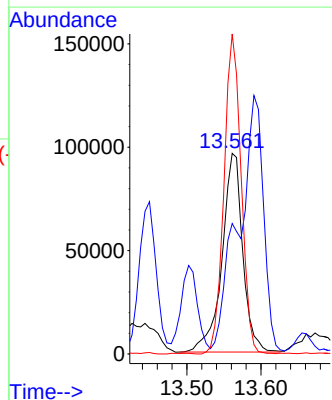
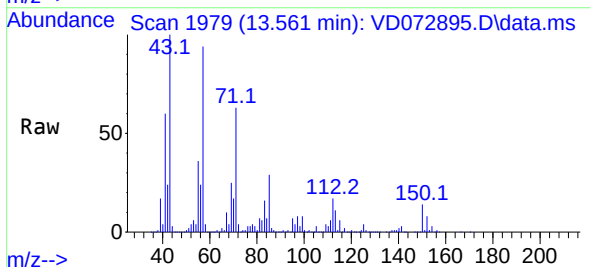
Instrument :
MSVOA_D
ClientSampleId :
TRE-1254

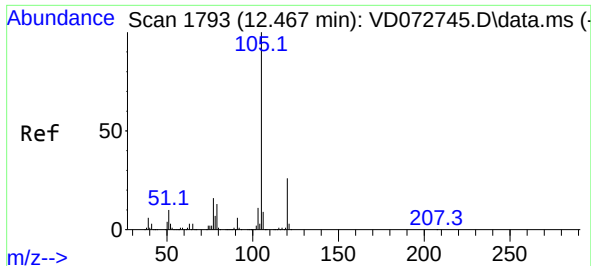
Tgt Ion:106 Resp: 2808960
Ion Ratio Lower Upper
106 100
91 215.8 110.4 331.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VD072895.D
Acq: 09 May 2022 17:22

Tgt Ion:152 Resp: 187062
Ion Ratio Lower Upper
152 100
115 0.0 31.3 93.8#
150 133.0 0.0 348.6

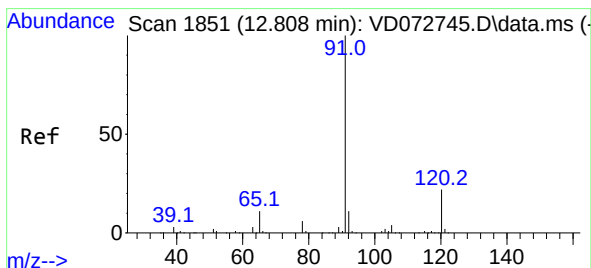
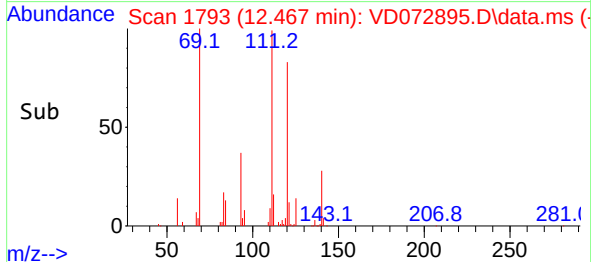
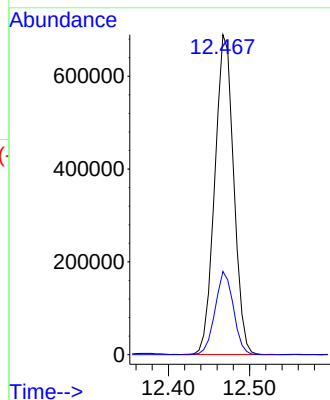
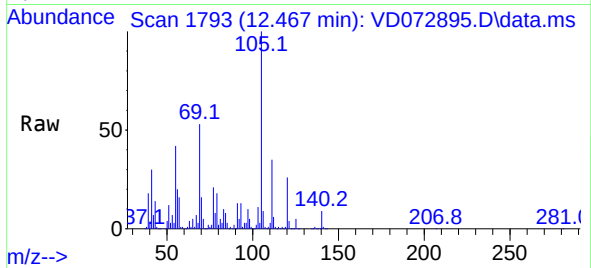




#73
Isopropylbenzene
Concen: 76.778 ug/l
RT: 12.467 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VD072895.D
Acq: 09 May 2022 17:22

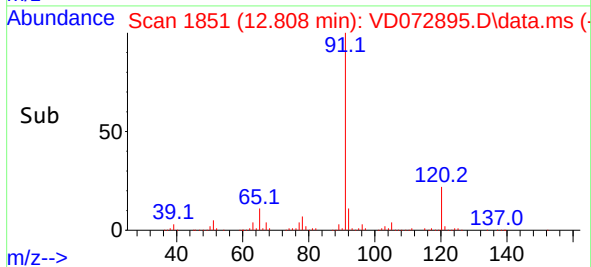
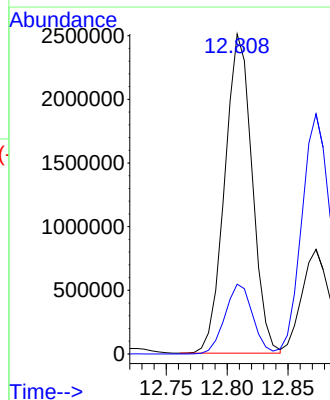
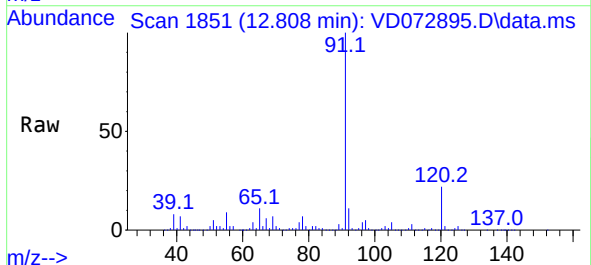
Instrument :
MSVOA_D
ClientSampleId :
TRE-1254

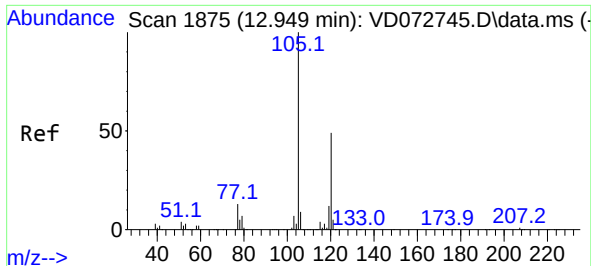
Tgt Ion:105 Resp: 1117426
Ion Ratio Lower Upper
105 100
120 25.2 13.0 38.9



#78
n-propylbenzene
Concen: 214.286 ug/l
RT: 12.808 min Scan# 1851
Delta R.T. 0.000 min
Lab File: VD072895.D
Acq: 09 May 2022 17:22

Tgt Ion: 91 Resp: 3930646
Ion Ratio Lower Upper
91 100
120 22.0 10.9 32.9

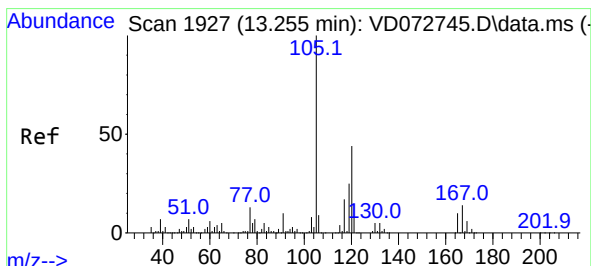
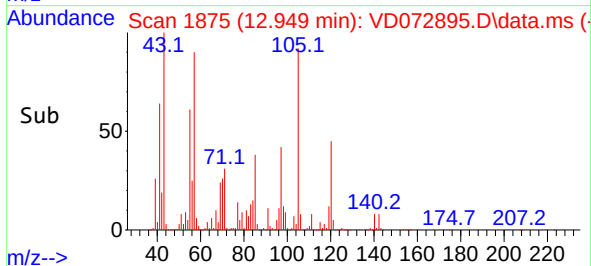
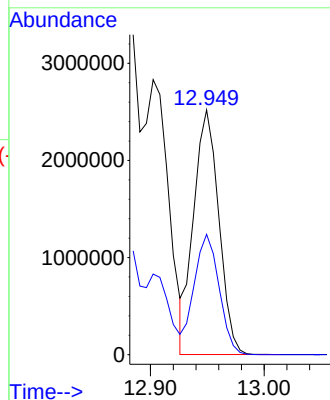
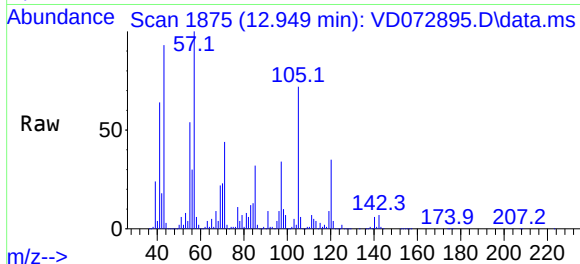




#80
1,3,5-Trimethylbenzene
Concen: 314.238 ug/l
RT: 12.949 min Scan# 1875
Delta R.T. 0.000 min
Lab File: VD072895.D
Acq: 09 May 2022 17:22

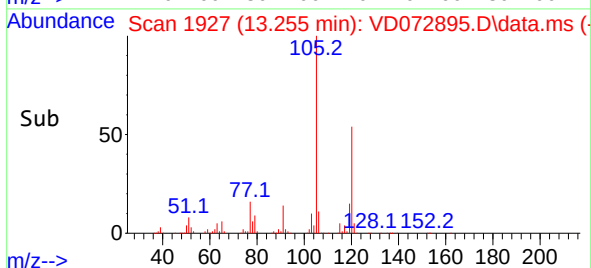
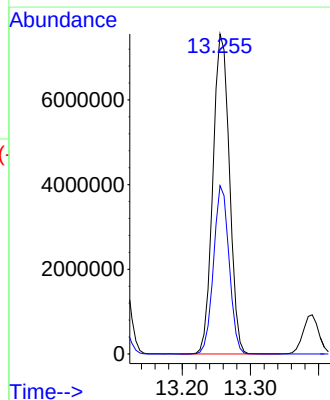
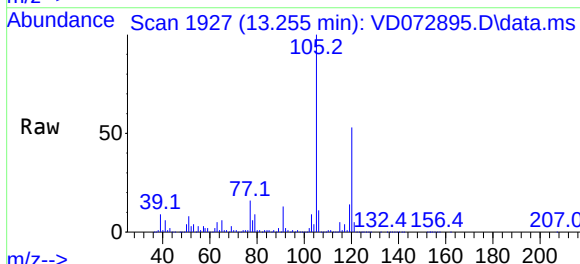
Instrument :
MSVOA_D
ClientSampleId :
TRE-1254

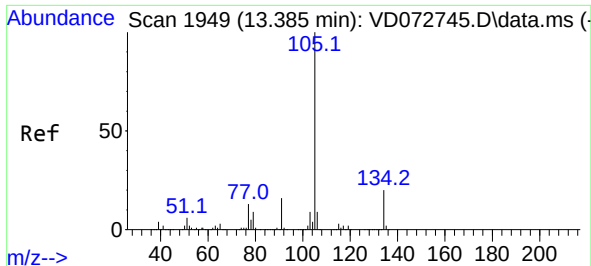
Tgt Ion:105 Resp: 3877943
Ion Ratio Lower Upper
105 100
120 48.9 24.3 72.8



#84
1,2,4-Trimethylbenzene
Concen: 1032.512 ug/l
RT: 13.255 min Scan# 1927
Delta R.T. 0.000 min
Lab File: VD072895.D
Acq: 09 May 2022 17:22

Tgt Ion:105 Resp:12736434
Ion Ratio Lower Upper
105 100
120 49.4 22.3 66.8

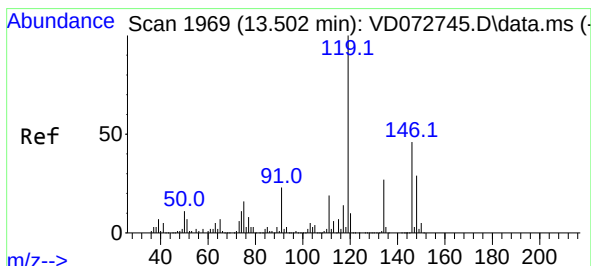
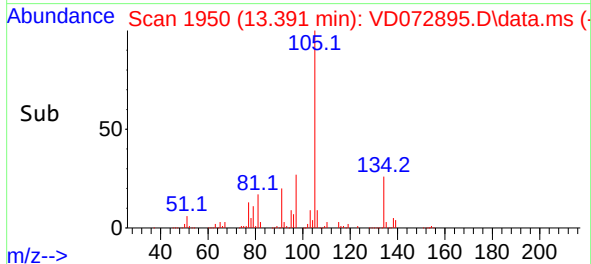
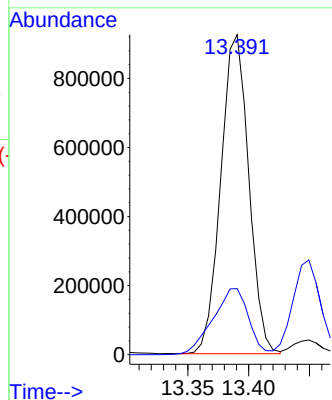
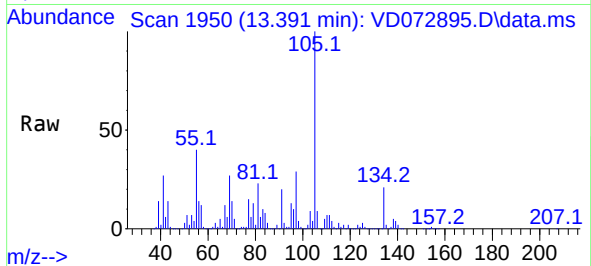




#85
 sec-Butylbenzene
 Concen: 93.421 ug/l
 RT: 13.391 min Scan# 1949
 Delta R.T. 0.006 min
 Lab File: VD072895.D
 Acq: 09 May 2022 17:22

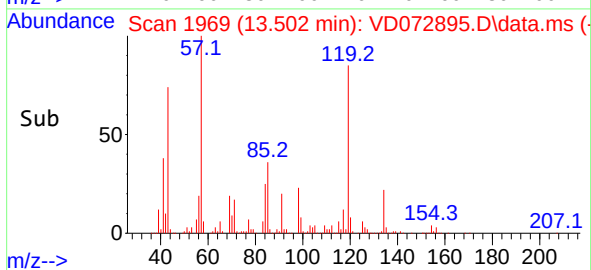
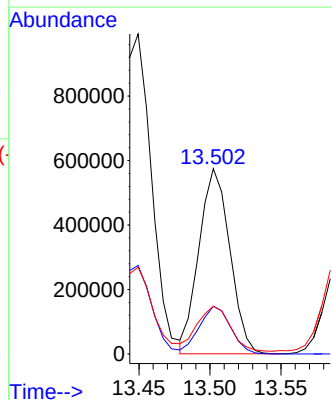
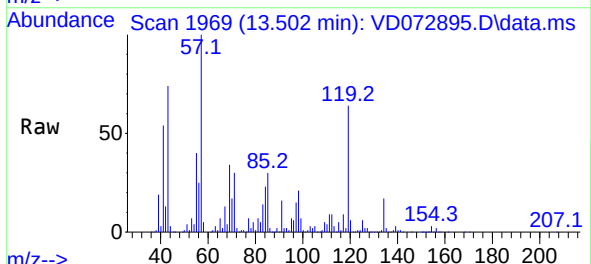
Instrument :
 MSVOA_D
 ClientSampleId :
 TRE-1254

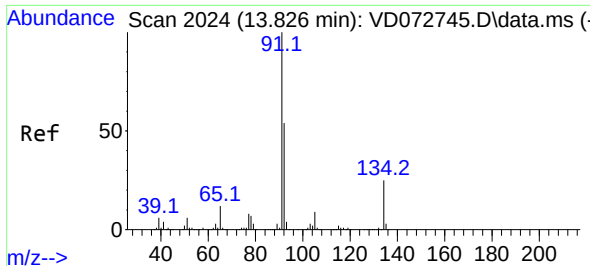
Tgt Ion:105 Resp: 1478304
 Ion Ratio Lower Upper
 105 100
 134 26.5 9.8 29.3



#86
 p-Isopropyltoluene
 Concen: 66.995 ug/l
 RT: 13.502 min Scan# 1969
 Delta R.T. 0.000 min
 Lab File: VD072895.D
 Acq: 09 May 2022 17:22

Tgt Ion:119 Resp: 869199
 Ion Ratio Lower Upper
 119 100
 134 26.1 12.9 38.6
 91 25.5 12.1 36.3

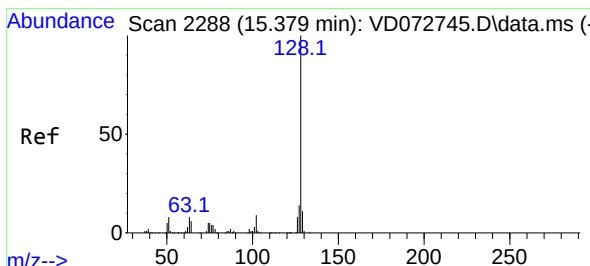
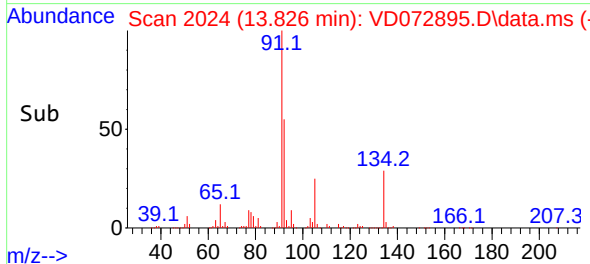
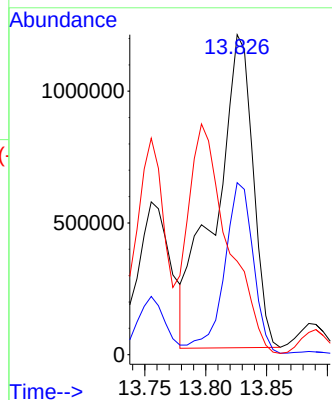
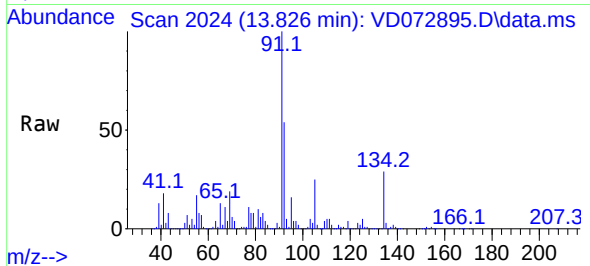




#89
n-Butylbenzene
Concen: 203.211 ug/l
RT: 13.826 min Scan# 2024
Delta R.T. -0.000 min
Lab File: VD072895.D
Acq: 09 May 2022 17:22

Instrument :
MSVOA_D
ClientSampleId :
TRE-1254

Tgt Ion: 91 Resp: 2553981
Ion Ratio Lower Upper
91 100
92 41.9 26.6 79.8
134 0.0 12.3 36.9#



#95
Naphthalene
Concen: 91.313 ug/l
RT: 15.379 min Scan# 2288
Delta R.T. -0.000 min
Lab File: VD072895.D
Acq: 09 May 2022 17:22

Tgt Ion:128 Resp: 603285
Ion Ratio Lower Upper
128 100
127 13.9 10.3 15.5
129 12.2 8.4 12.6

