

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD041922\
 Data File : VD072635.D
 Acq On : 19 Apr 2022 20:07
 Operator : VA/SY
 Sample : N2444-05
 Misc : 4.44G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-4D

Quant Time: Apr 20 05:05:24 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D032922S.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 30 02:44:36 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	420276	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	725248	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	479022	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.543	152	339289	50.000	ug/l	#-0.02

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	213568	42.007	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	84.020%
35) Dibromofluoromethane	7.908	113	224936	39.909	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	79.820%
50) Toluene-d8	10.332	98	1902166	97.090	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	194.180%#
62) 4-Bromofluorobenzene	12.620	95	829911	108.465	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	216.920%#

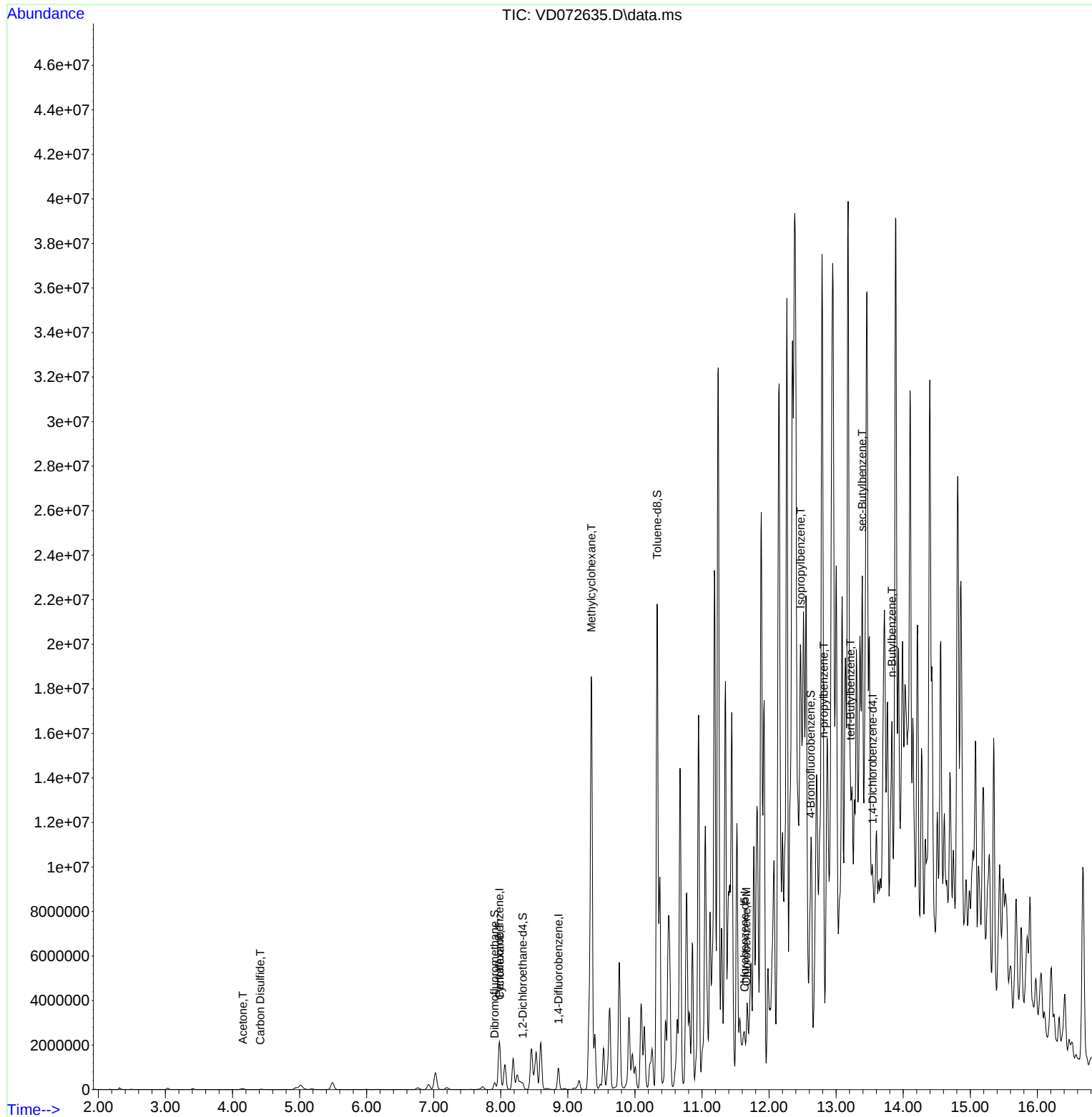
Target Compounds						Qvalue
16) Acetone	4.156	43	56524	59.624	ug/l	97
17) Carbon Disulfide	4.414	76	11151	4.891	ug/l	98
31) Cyclohexane	7.985	56	932489	140.271	ug/l #	84
39) Methylcyclohexane	9.349	83	8202197	924.451	ug/l	95
65) Chlorobenzene	11.661	112	66660	6.224	ug/l	99
73) Isopropylbenzene	12.473	105	5610172	204.742	ug/l	99
78) n-propylbenzene	12.814	91	4779114	144.576	ug/l	99
83) tert-Butylbenzene	13.214	119	493562	24.294	ug/l	85
85) sec-Butylbenzene	13.390	105	6027109	196.951	ug/l	79
89) n-Butylbenzene	13.832	91	4257194	178.660	ug/l #	87

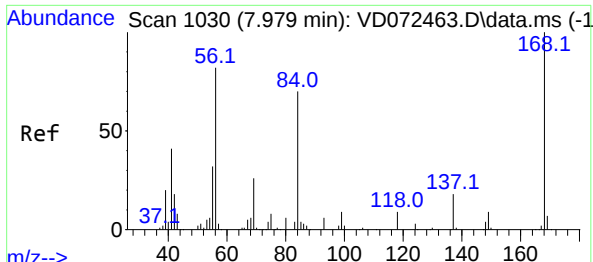
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Mar 30 02:44:36 2022
Response via : Initial Calibration

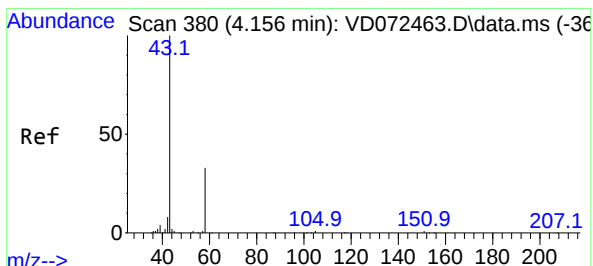
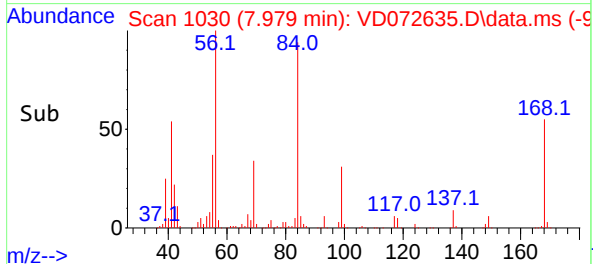
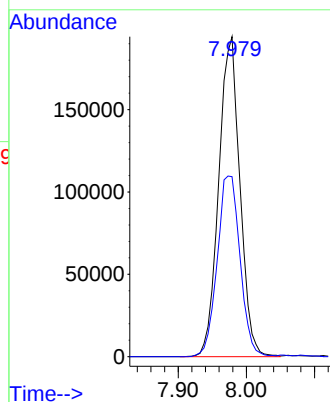
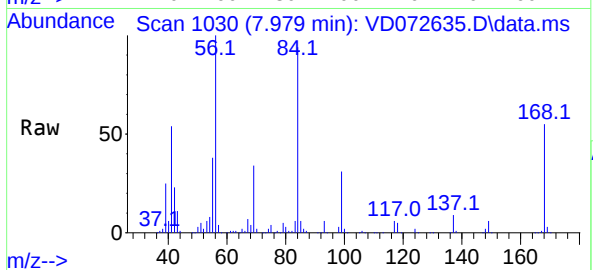




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD072635.D
Acq: 19 Apr 2022 20:07

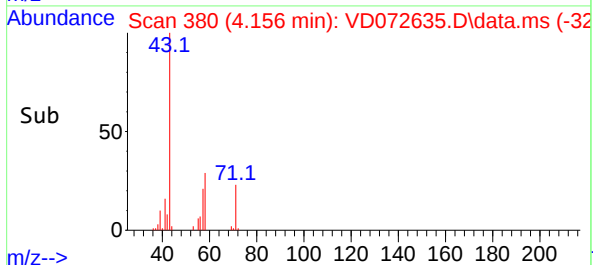
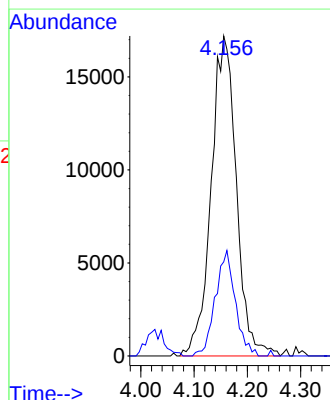
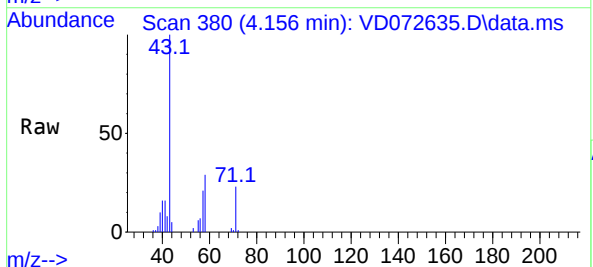
Instrument :
MSVOA_D
ClientSampleId :
SB-4D

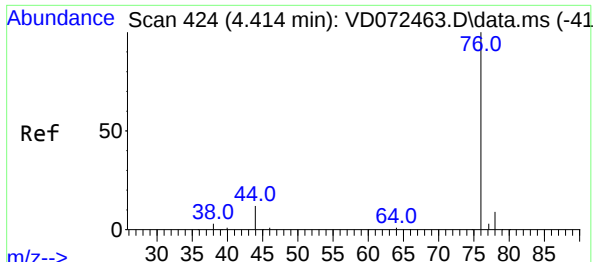
Tgt Ion:168 Resp: 420276
Ion Ratio Lower Upper
168 100
99 56.3 49.8 74.6



#16
Acetone
Concen: 59.624 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.000 min
Lab File: VD072635.D
Acq: 19 Apr 2022 20:07

Tgt Ion: 43 Resp: 56524
Ion Ratio Lower Upper
43 100
58 29.4 22.1 33.1

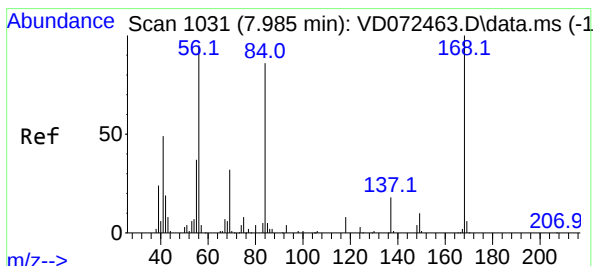
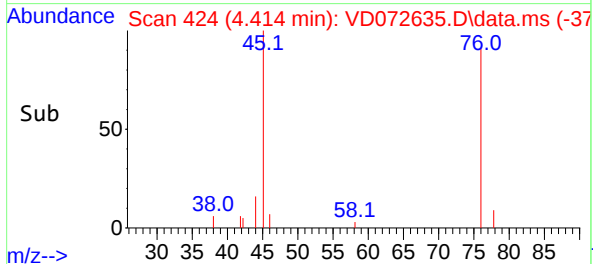
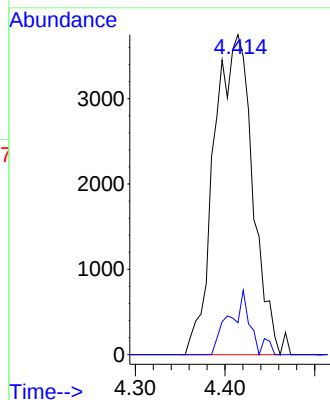
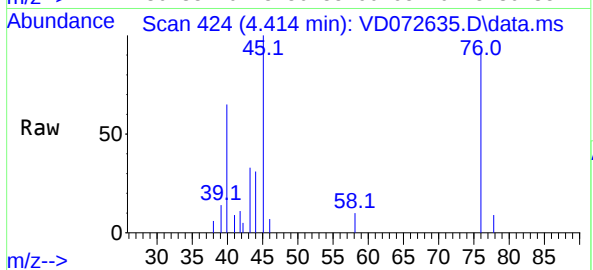




#17
Carbon Disulfide
Concen: 4.891 ug/l
RT: 4.414 min Scan# 41
Delta R.T. 0.000 min
Lab File: VD072635.D
Acq: 19 Apr 2022 20:07

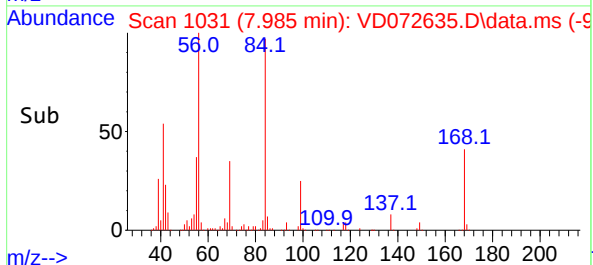
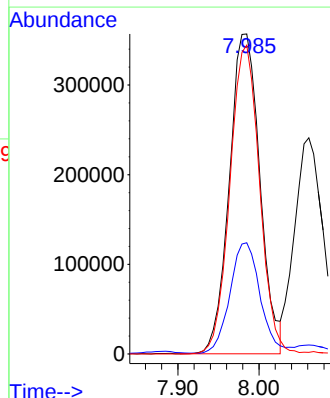
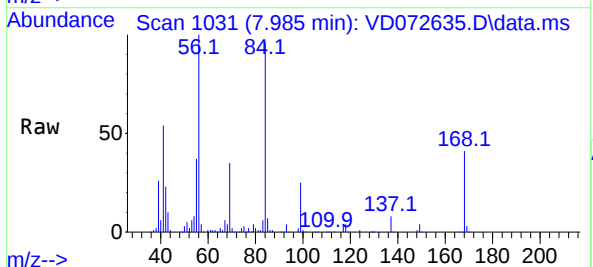
Instrument :
MSVOA_D
ClientSampleId :
SB-4D

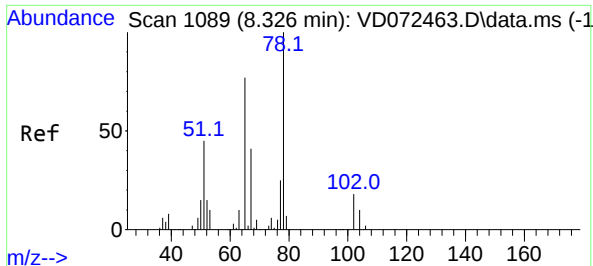
Tgt Ion: 76 Resp: 11151
Ion Ratio Lower Upper
76 100
78 10.0 7.5 11.3



#31
Cyclohexane
Concen: 140.271 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.000 min
Lab File: VD072635.D
Acq: 19 Apr 2022 20:07

Tgt Ion: 56 Resp: 932489
Ion Ratio Lower Upper
56 100
69 34.4 25.4 38.2
84 96.6 63.0 94.4#





#33

1,2-Dichloroethane-d4

Concen: 42.007 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. -0.000 min

Lab File: VD072635.D

Acq: 19 Apr 2022 20:07

Instrument :

MSVOA_D

ClientSampleId :

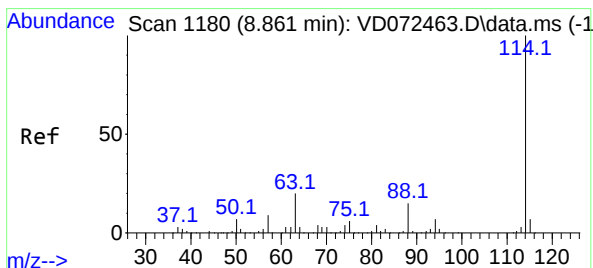
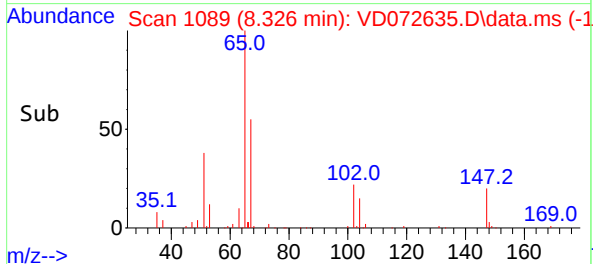
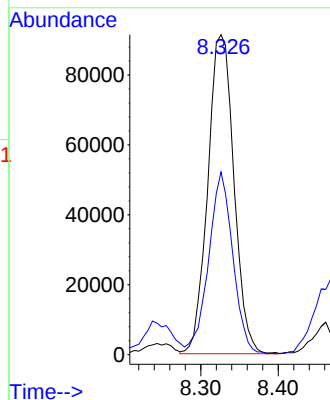
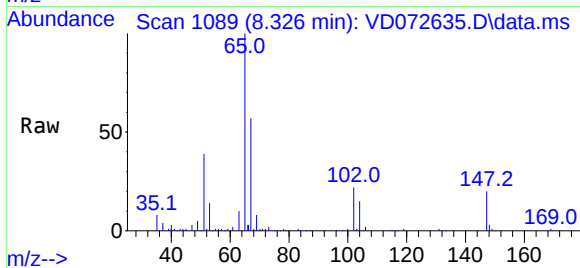
SB-4D

Tgt Ion: 65 Resp: 213568

Ion Ratio Lower Upper

65 100

67 52.9 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: VD072635.D

Acq: 19 Apr 2022 20:07

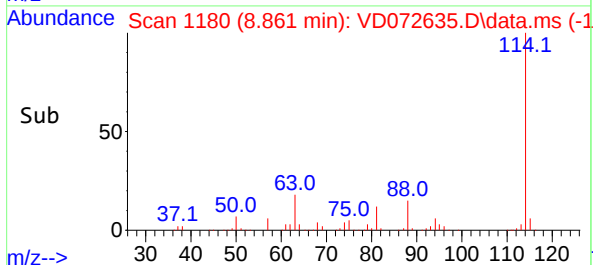
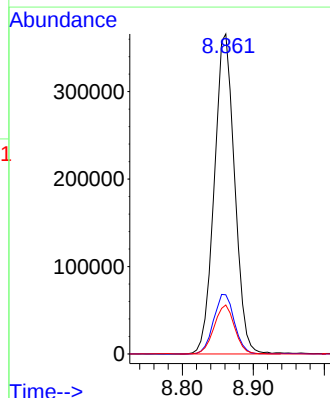
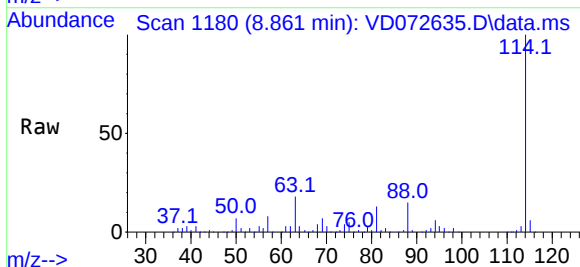
Tgt Ion: 114 Resp: 725248

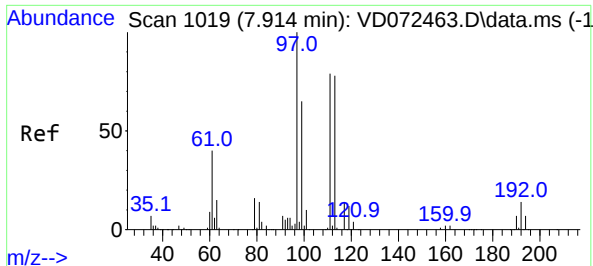
Ion Ratio Lower Upper

114 100

63 18.5 0.0 46.6

88 15.3 0.0 33.2





#35

Dibromofluoromethane

Concen: 39.909 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.006 min

Lab File: VD072635.D

Acq: 19 Apr 2022 20:07

Instrument :

MSVOA_D

ClientSampleId :

SB-4D

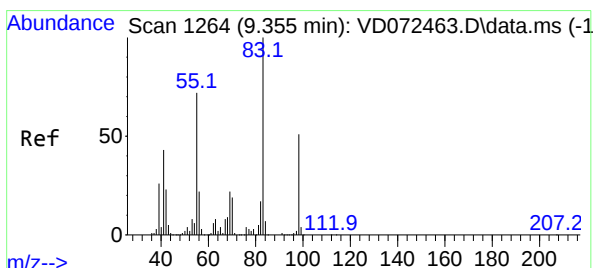
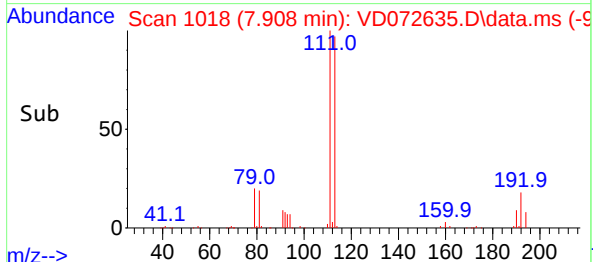
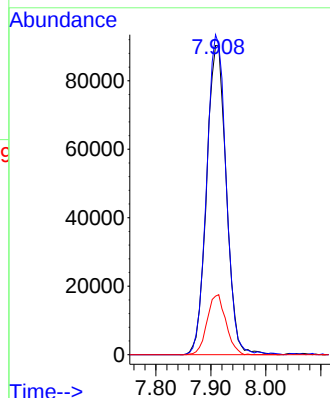
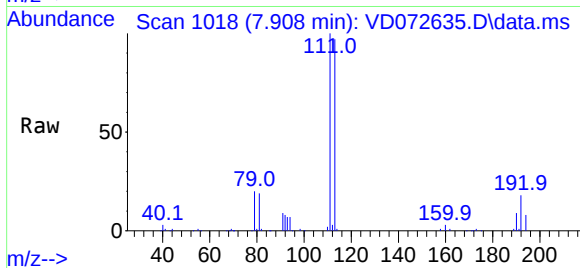
Tgt Ion:113 Resp: 224936

Ion Ratio Lower Upper

113 100

111 101.6 83.8 125.6

192 18.5 14.6 21.8



#39

Methylcyclohexane

Concen: 924.451 ug/l

RT: 9.349 min Scan# 1263

Delta R.T. -0.006 min

Lab File: VD072635.D

Acq: 19 Apr 2022 20:07

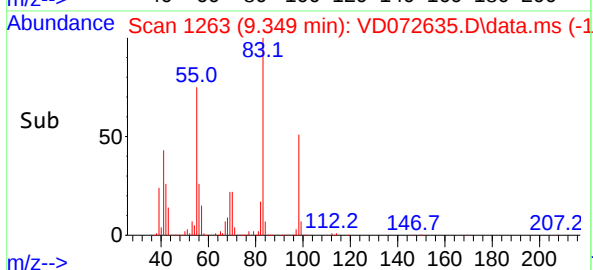
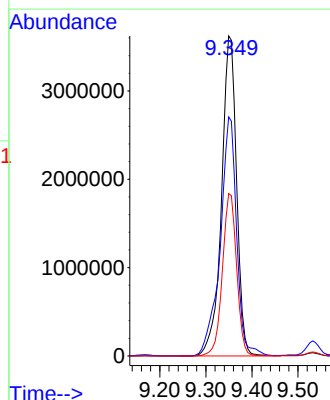
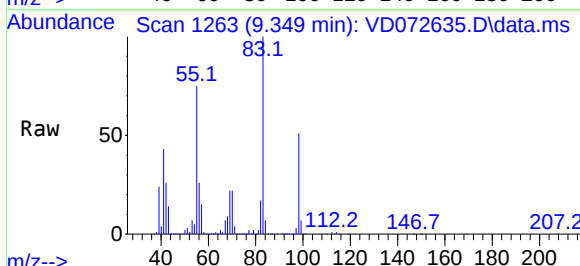
Tgt Ion: 83 Resp: 8202197

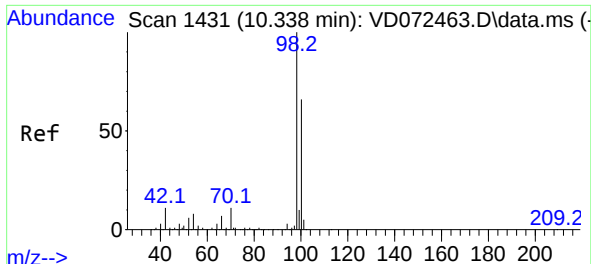
Ion Ratio Lower Upper

83 100

55 74.7 63.2 94.8

98 50.8 38.2 57.4

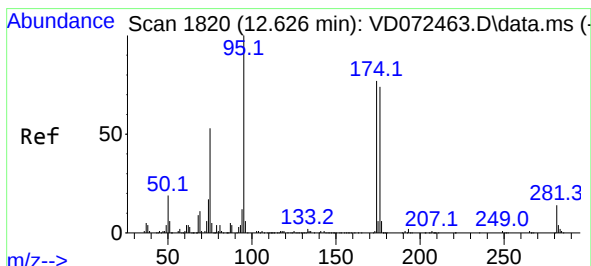
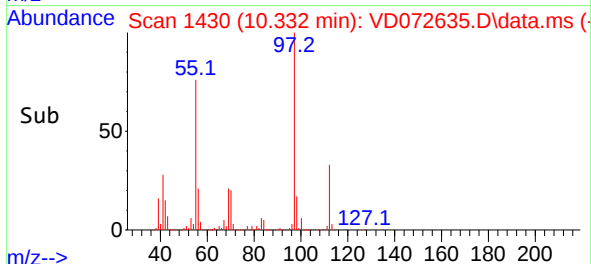
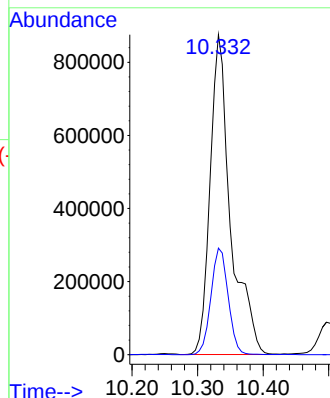
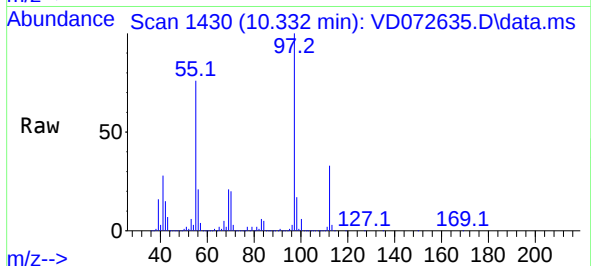




#50
Toluene-d8
Concen: 97.090 ug/l
RT: 10.332 min Scan# 1431
Delta R.T. -0.006 min
Lab File: VD072635.D
Acq: 19 Apr 2022 20:07

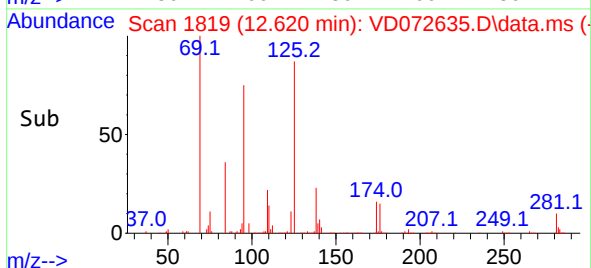
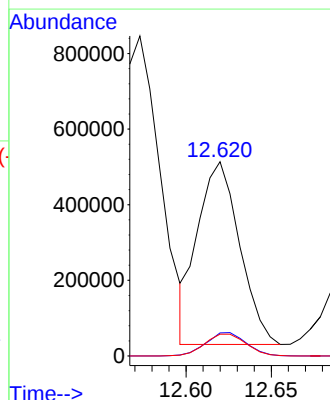
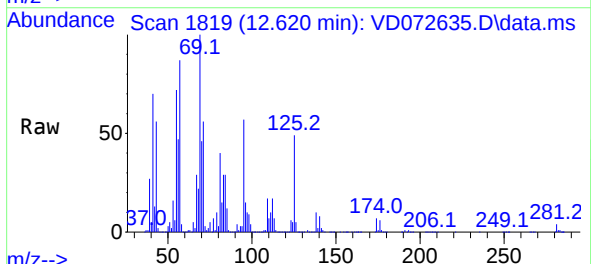
Instrument :
MSVOA_D
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SB-4D

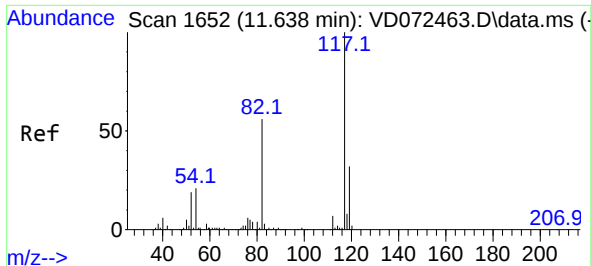
Tgt Ion: 98 Resp: 1902166
Ion Ratio Lower Upper
98 100
100 27.9 52.4 78.6#



#62
4-Bromofluorobenzene
Concen: 108.465 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD072635.D
Acq: 19 Apr 2022 20:07

Tgt Ion: 95 Resp: 829911
Ion Ratio Lower Upper
95 100
174 12.3 0.0 152.8
176 11.8 0.0 145.4

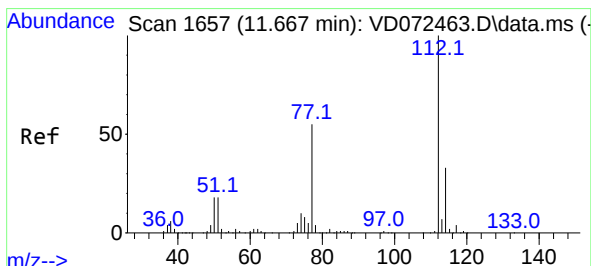
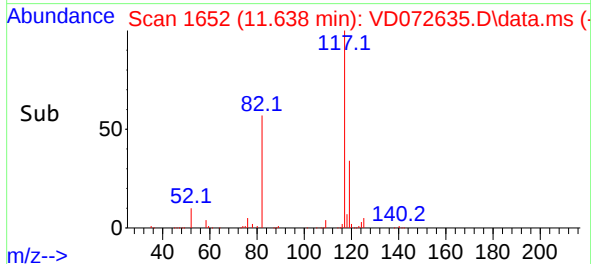
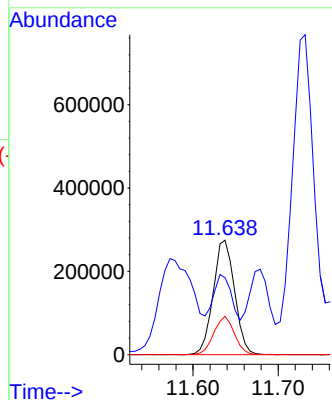
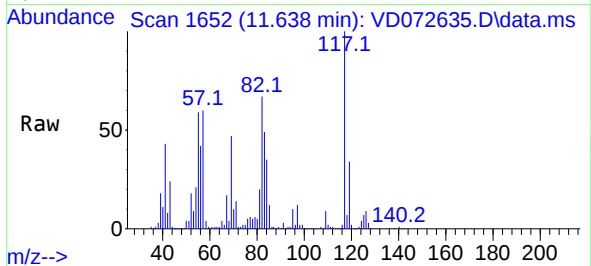




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD072635.D
Acq: 19 Apr 2022 20:07

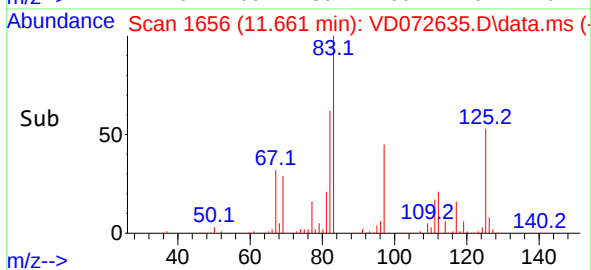
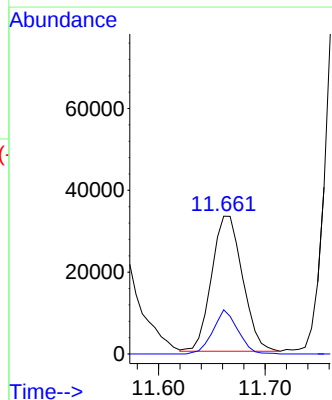
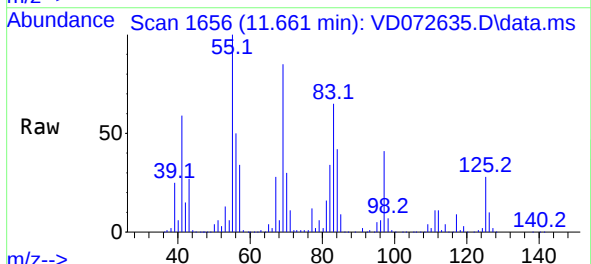
Instrument :
MSVOA_D
ClientSampleId :
SB-4D

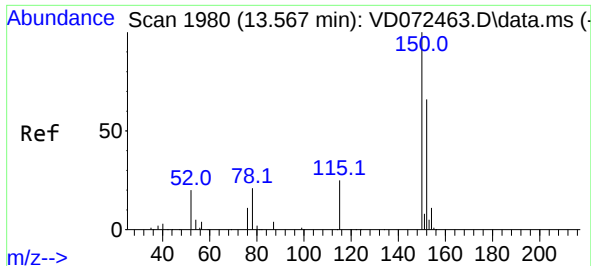
Tgt Ion:117 Resp: 479022
Ion Ratio Lower Upper
117 100
82 38.3 45.3 67.9#
119 33.6 26.6 40.0



#65
Chlorobenzene
Concen: 6.224 ug/l
RT: 11.661 min Scan# 1656
Delta R.T. -0.006 min
Lab File: VD072635.D
Acq: 19 Apr 2022 20:07

Tgt Ion:112 Resp: 66660
Ion Ratio Lower Upper
112 100
114 32.7 25.8 38.6

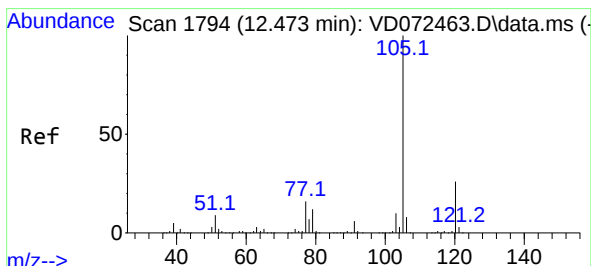
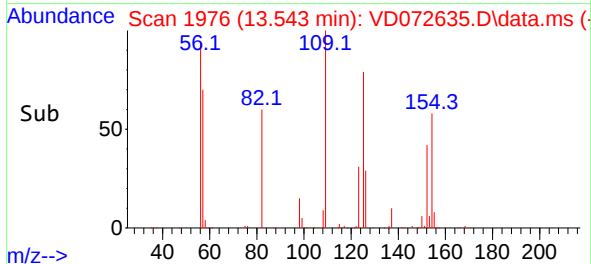
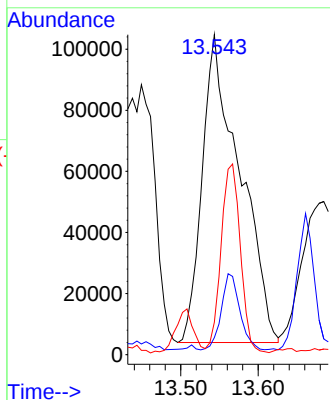
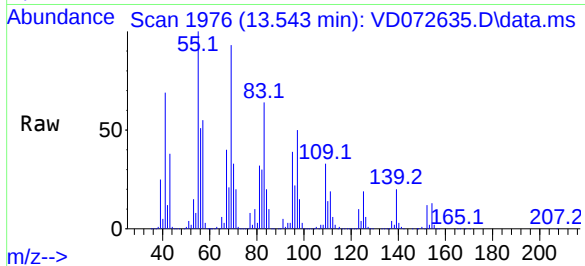




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.543 min Scan# 1980
Delta R.T. -0.024 min
Lab File: VD072635.D
Acq: 19 Apr 2022 20:07

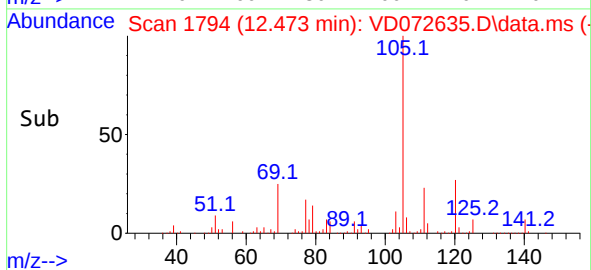
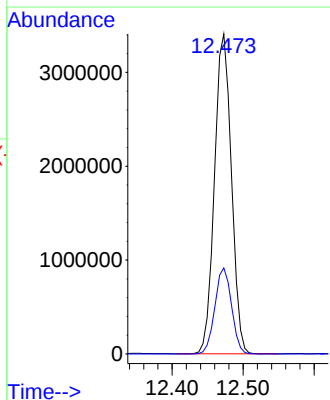
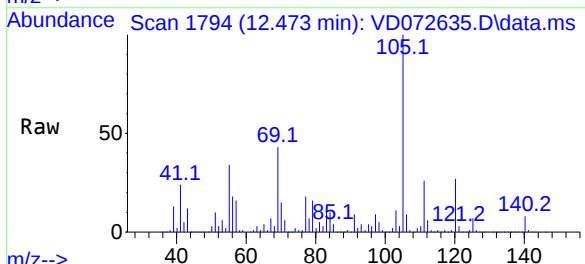
Instrument :
MSVOA_D
ClientSampleId :
SB-4D

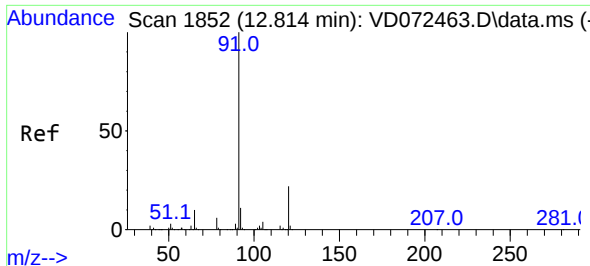
Tgt Ion:152 Resp: 339289
Ion Ratio Lower Upper
152 100
115 0.0 31.3 93.8#
150 0.0 0.0 348.6



#73
Isopropylbenzene
Concen: 204.742 ug/l
RT: 12.473 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VD072635.D
Acq: 19 Apr 2022 20:07

Tgt Ion:105 Resp: 5610172
Ion Ratio Lower Upper
105 100
120 26.5 13.0 38.9

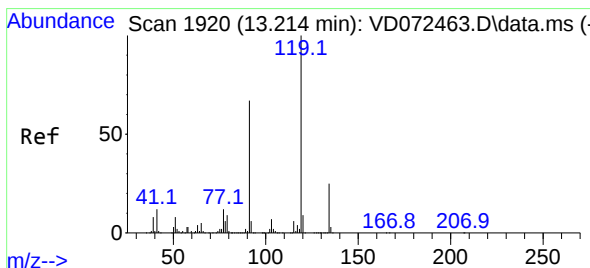
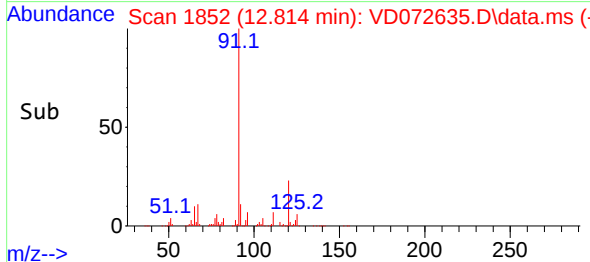
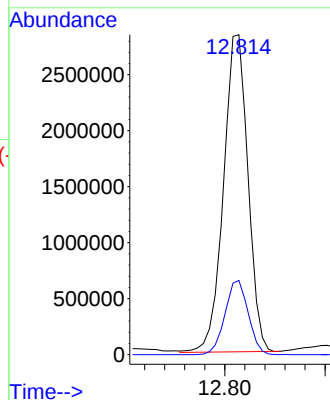
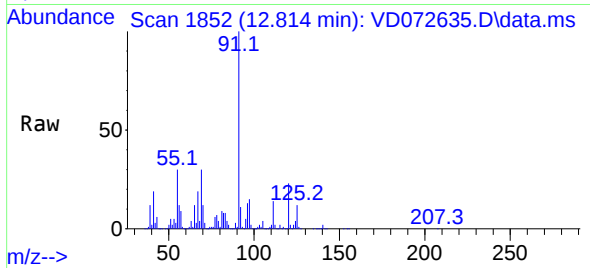




#78
n-propylbenzene
Concen: 144.576 ug/l
RT: 12.814 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VD072635.D
Acq: 19 Apr 2022 20:07

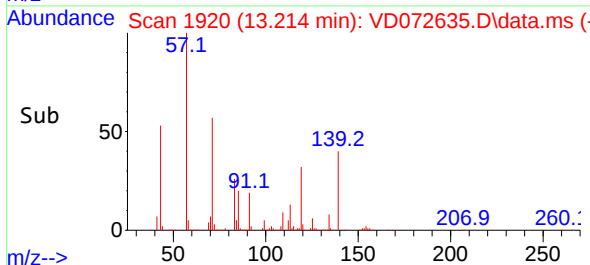
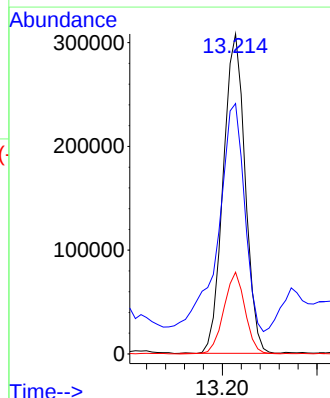
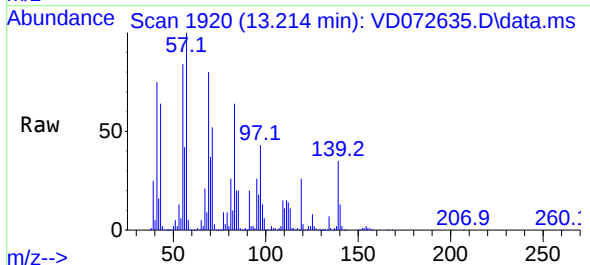
Instrument :
MSVOA_D
ClientSampleId :
SB-4D

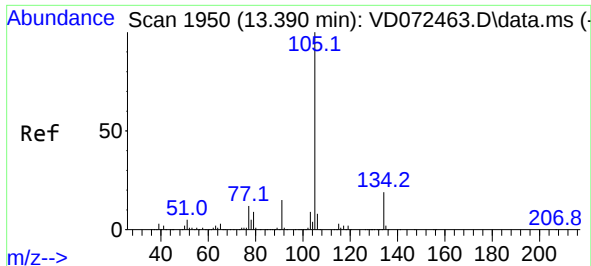
Tgt Ion: 91 Resp: 4779114
Ion Ratio Lower Upper
91 100
120 22.3 10.9 32.9



#83
tert-Butylbenzene
Concen: 24.294 ug/l
RT: 13.214 min Scan# 1920
Delta R.T. -0.000 min
Lab File: VD072635.D
Acq: 19 Apr 2022 20:07

Tgt Ion: 119 Resp: 493562
Ion Ratio Lower Upper
119 100
91 86.0 34.8 104.5
134 24.9 13.3 39.9

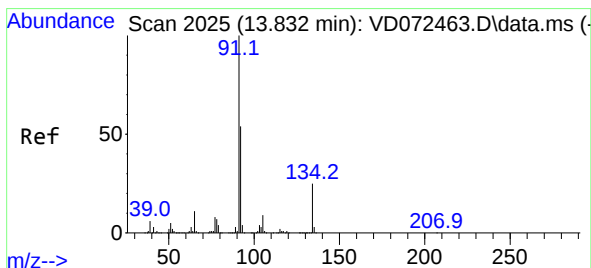
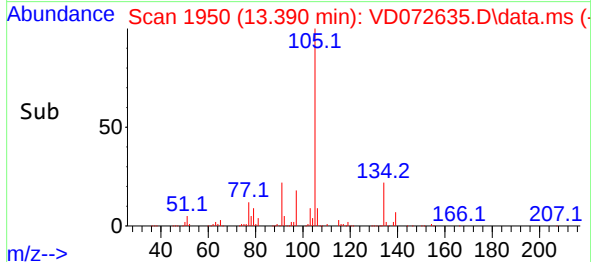
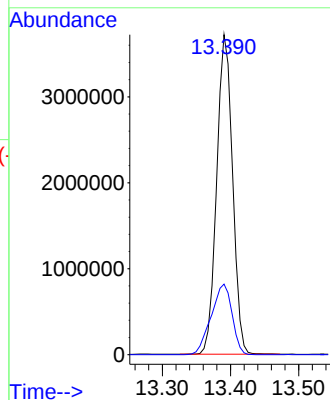
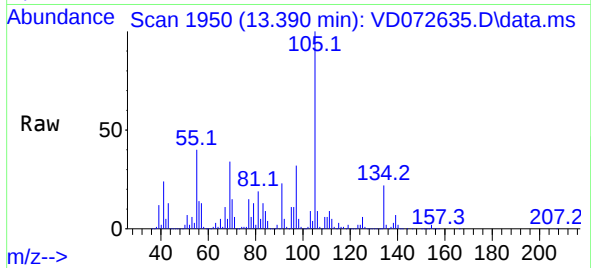




#85
 sec-Butylbenzene
 Concen: 196.951 ug/l
 RT: 13.390 min Scan# 1950
 Delta R.T. -0.000 min
 Lab File: VD072635.D
 Acq: 19 Apr 2022 20:07

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-4D

Tgt Ion:105 Resp: 6027109
 Ion Ratio Lower Upper
 105 100
 134 29.0 9.8 29.3



#89
 n-Butylbenzene
 Concen: 178.660 ug/l
 RT: 13.832 min Scan# 2025
 Delta R.T. -0.000 min
 Lab File: VD072635.D
 Acq: 19 Apr 2022 20:07

Tgt Ion: 91 Resp: 4257194
 Ion Ratio Lower Upper
 91 100
 92 50.4 26.6 79.8
 134 40.1 12.3 36.9#

