

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD010322\
 Data File : VD071567.D
 Acq On : 03 Jan 2022 15:50
 Operator : VA/SY
 Sample : M5241-01
 Misc : 4.76G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-2S

Quant Time: Jan 03 16:07:45 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D122221S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 23 08:20:24 2021
 Response via : Initial Calibration

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

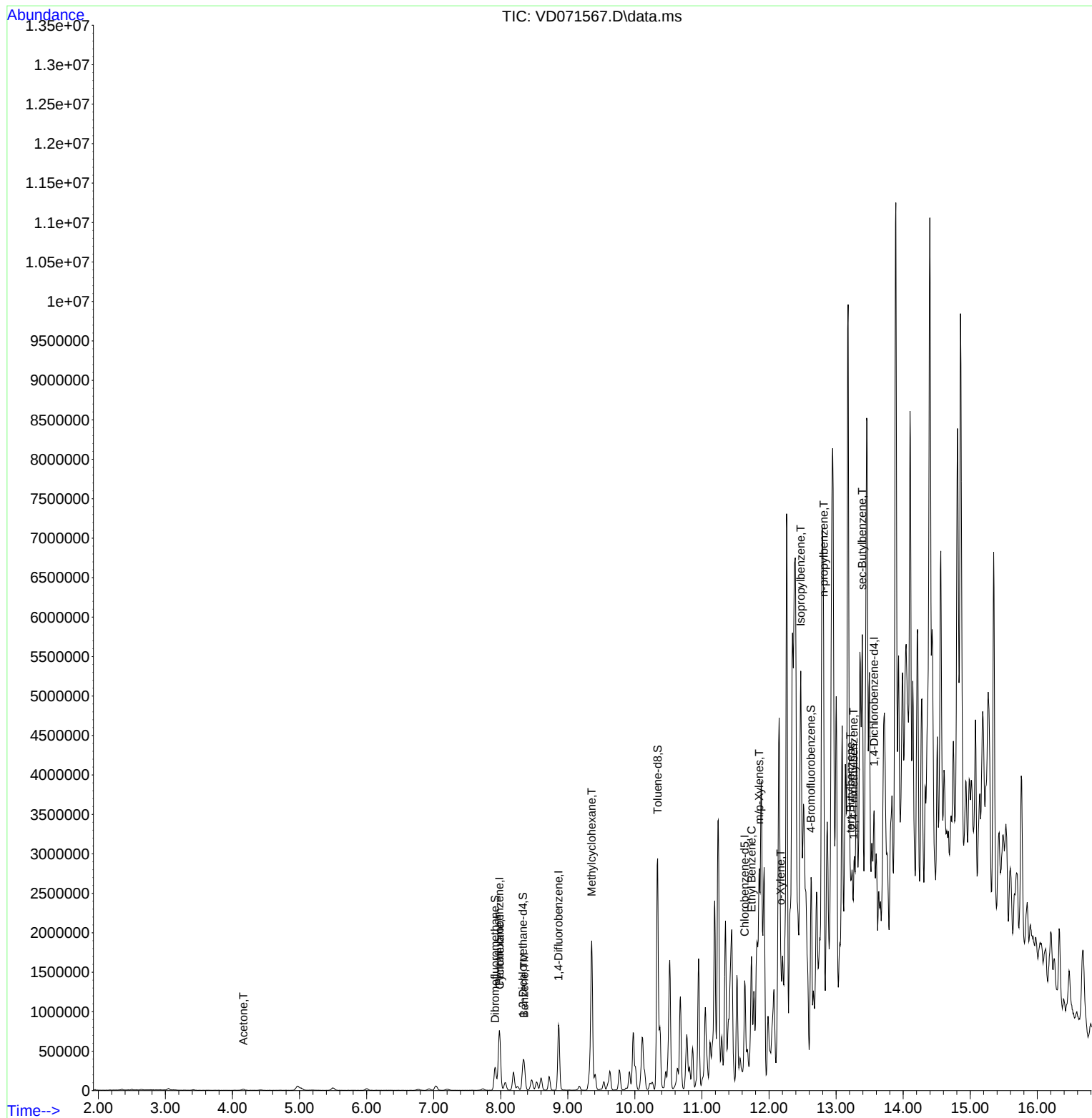
Internal Standards						
1) Pentafluorobenzene	7.979	168	381264	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	667227	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	637104	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	288306	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	219238	43.298	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	86.600%		
35) Dibromofluoromethane	7.914	113	201156	44.858	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	89.720%		
50) Toluene-d8	10.338	98	931828	54.987	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	109.980%		
62) 4-Bromofluorobenzene	12.626	95	386935	64.256	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	128.520%		
Target Compounds					Qvalue	
16) Acetone	4.162	43	21335	16.775	ug/l	93
31) Cyclohexane	7.985	56	122768	14.273	ug/l #	91
39) Methylcyclohexane	9.356	83	698508	83.290	ug/l	98
40) Benzene	8.350	78	226804	11.776	ug/l	99
67) Ethyl Benzene	11.738	91	705674	29.015	ug/l	97
68) m/p-Xylenes	11.855	106	235985	25.539	ug/l	90
69) o-Xylene	12.173	106	32027	3.792	ug/l	57
73) Isopropylbenzene	12.473	105	1953516	87.889	ug/l	99
78) n-propylbenzene	12.814	91	3190788	114.527	ug/l	99
83) tert-Butylbenzene	13.214	119	124169	7.926	ug/l	79
84) 1,2,4-Trimethylbenzene	13.261	105	190841	10.518	ug/l	97
85) sec-Butylbenzene	13.391	105	1505575	63.039	ug/l #	78

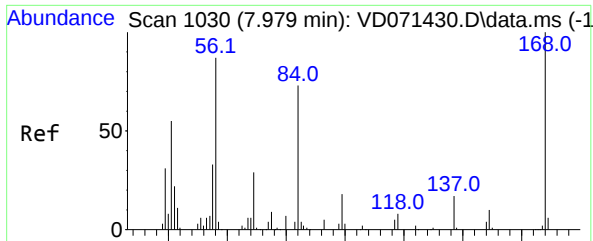
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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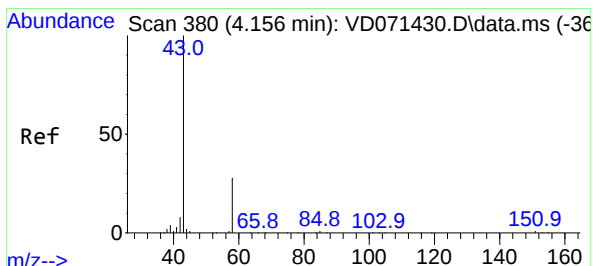
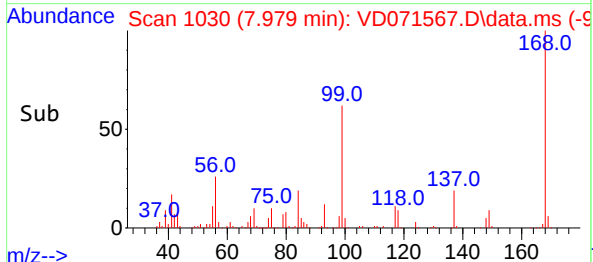
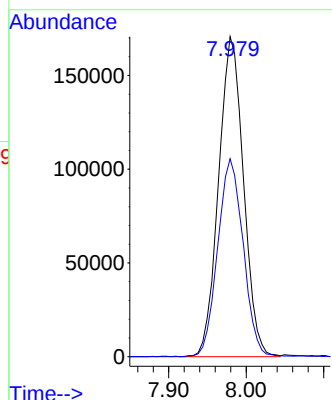
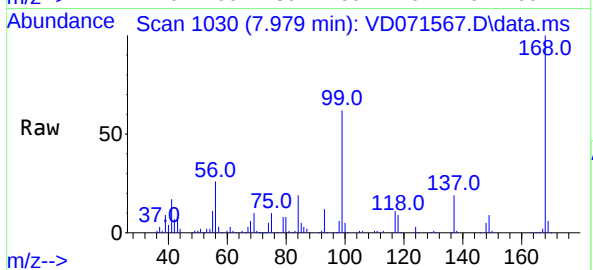




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.006 min
Lab File: VD071567.D
Acq: 03 Jan 2022 15:50

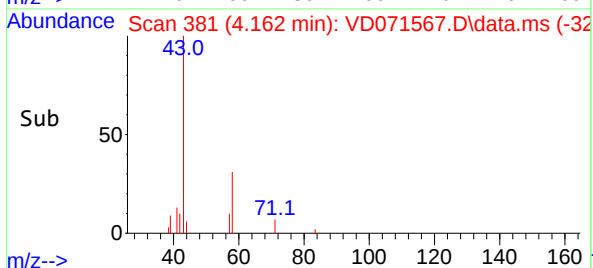
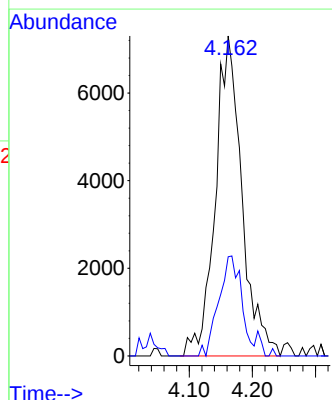
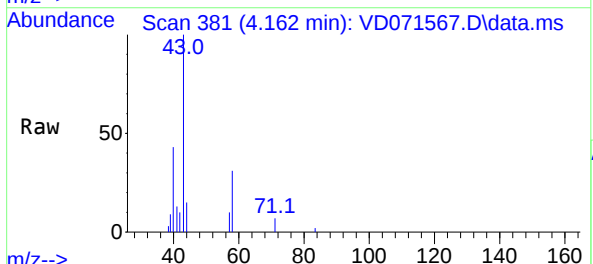
Instrument :
MSVOA_D
ClientSampleId :
TP-2S

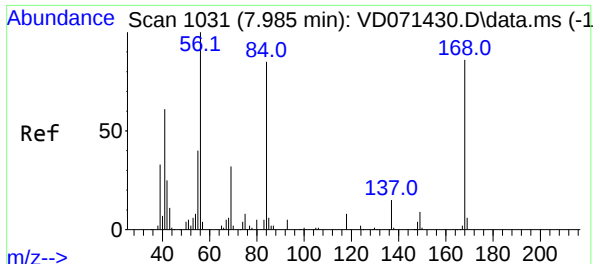
Tgt Ion:168 Resp: 381264
Ion Ratio Lower Upper
168 100
99 61.9 46.6 69.8



#16
Acetone
Concen: 16.775 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD071567.D
Acq: 03 Jan 2022 15:50

Tgt Ion: 43 Resp: 21335
Ion Ratio Lower Upper
43 100
58 31.0 27.8 41.8

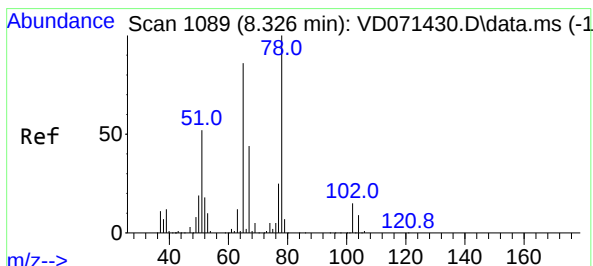
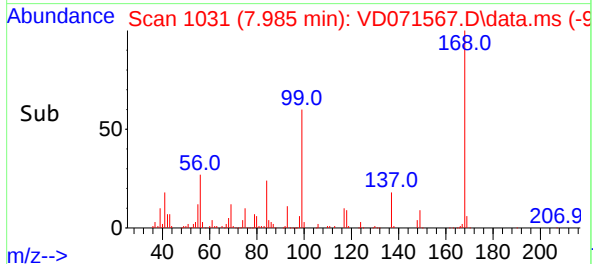
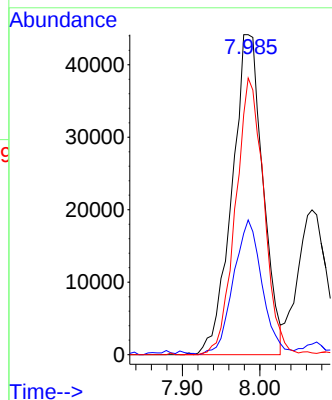
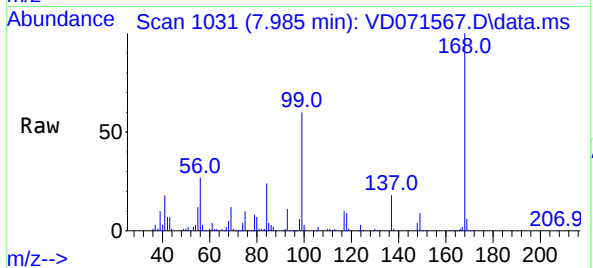




#31
Cyclohexane
Concen: 14.273 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. 0.000 min
Lab File: VD071567.D
Acq: 03 Jan 2022 15:50

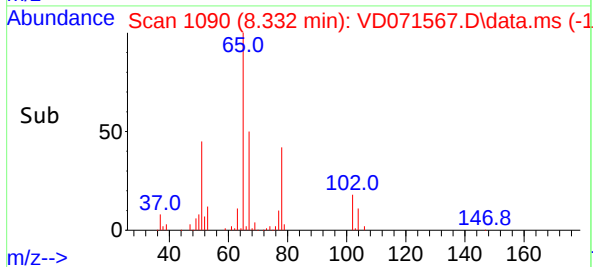
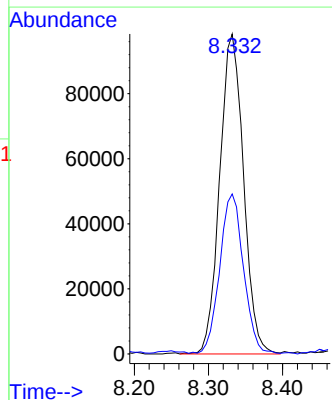
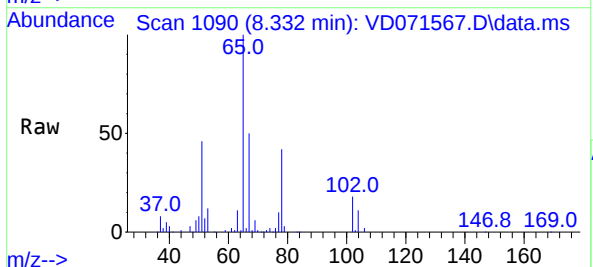
Instrument :
MSVOA_D
ClientSampleId :
TP-2S

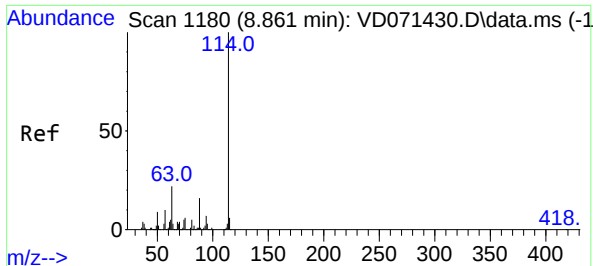
Tgt Ion: 56 Resp: 122768
Ion Ratio Lower Upper
56 100
69 41.0 25.9 38.9#
84 86.4 64.3 96.5



#33
1,2-Dichloroethane-d4
Concen: 43.298 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.006 min
Lab File: VD071567.D
Acq: 03 Jan 2022 15:50

Tgt Ion: 65 Resp: 219238
Ion Ratio Lower Upper
65 100
67 49.5 0.0 112.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. 0.000 min

Lab File: VD071567.D

Acq: 03 Jan 2022 15:50

Instrument :

MSVOA_D

ClientSampleId :

TP-2S

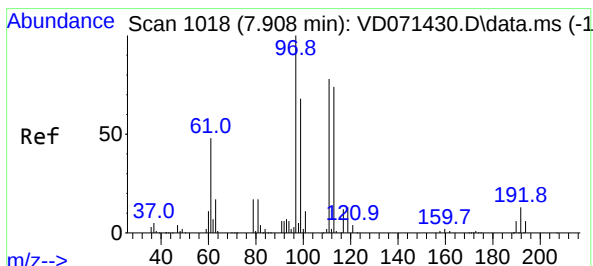
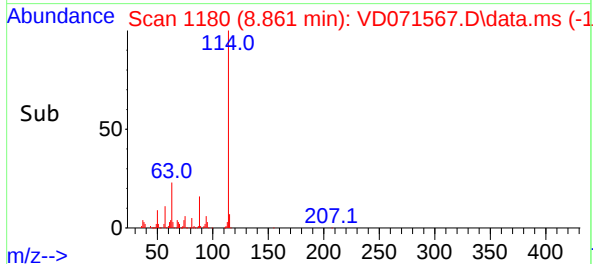
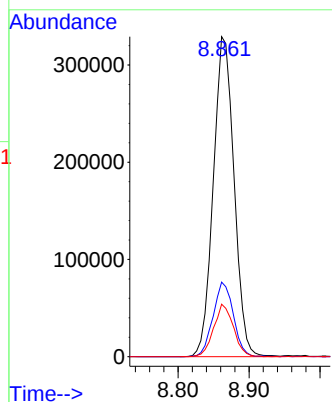
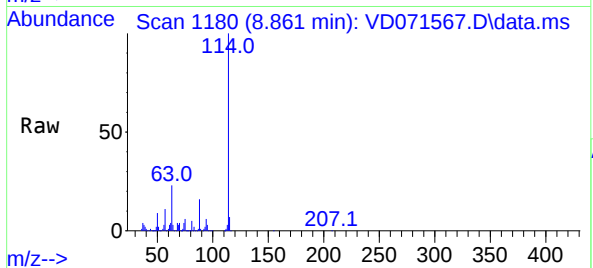
Tgt Ion:114 Resp: 667227

Ion Ratio Lower Upper

114 100

63 23.3 0.0 41.8

88 16.4 0.0 32.8



#35

Dibromofluoromethane

Concen: 44.858 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. 0.006 min

Lab File: VD071567.D

Acq: 03 Jan 2022 15:50

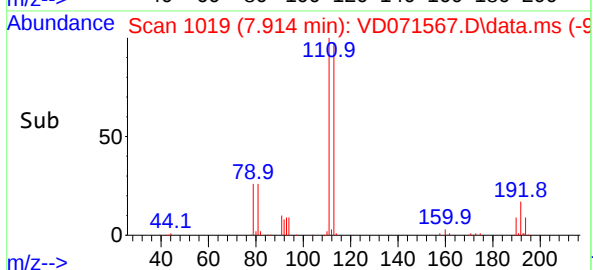
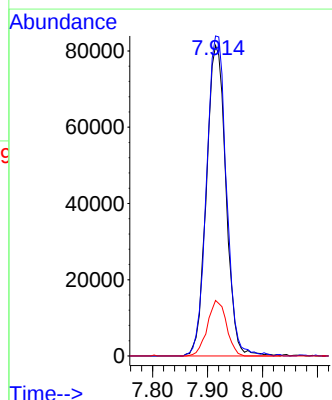
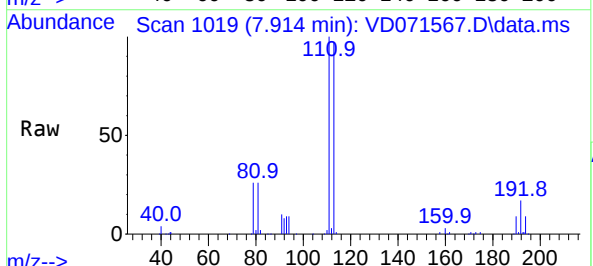
Tgt Ion:113 Resp: 201156

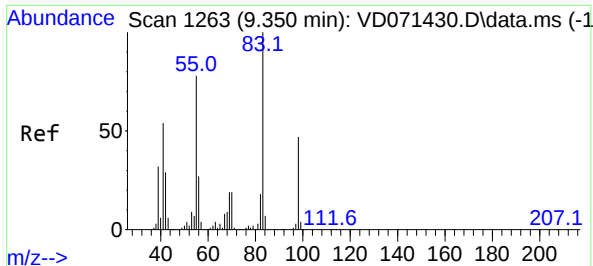
Ion Ratio Lower Upper

113 100

111 104.1 82.0 123.0

192 17.4 15.2 22.8





#39

Methylcyclohexane

Concen: 83.290 ug/l

RT: 9.356 min Scan# 1

Delta R.T. 0.007 min

Lab File: VD071567.D

Acq: 03 Jan 2022 15:50

Instrument :

MSVOA_D

ClientSampleId :

TP-2S

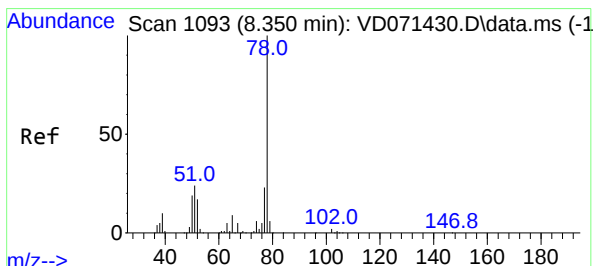
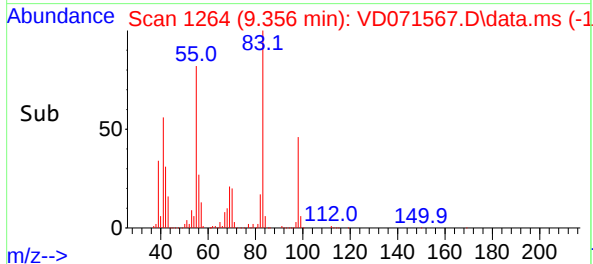
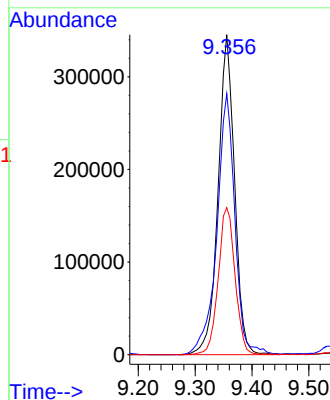
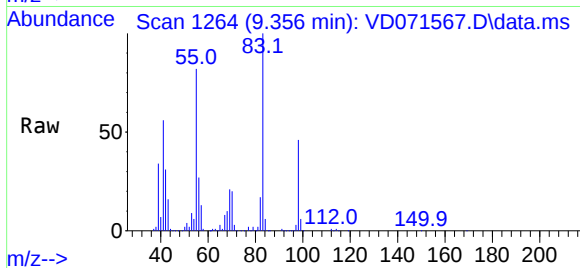
Tgt Ion: 83 Resp: 698508

Ion Ratio Lower Upper

83 100

55 81.5 65.8 98.8

98 46.0 38.7 58.1



#40

Benzene

Concen: 11.776 ug/l

RT: 8.350 min Scan# 1093

Delta R.T. -0.000 min

Lab File: VD071567.D

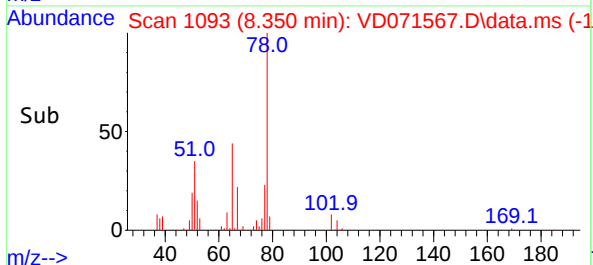
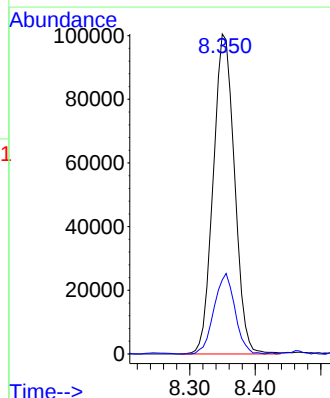
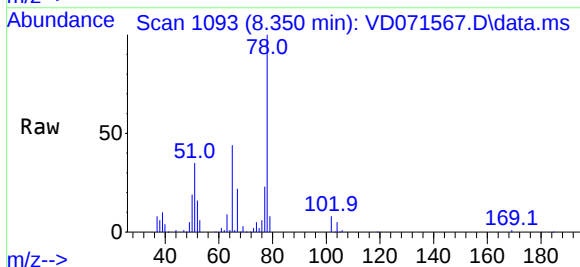
Acq: 03 Jan 2022 15:50

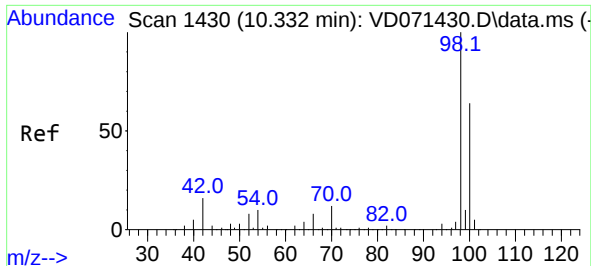
Tgt Ion: 78 Resp: 226804

Ion Ratio Lower Upper

78 100

77 23.2 19.1 28.7

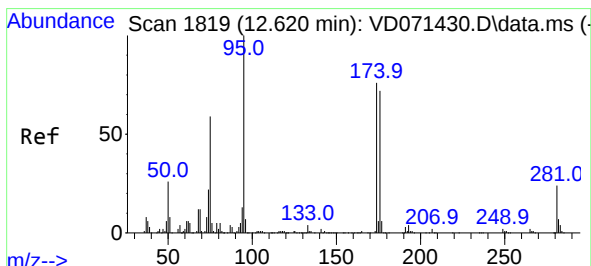
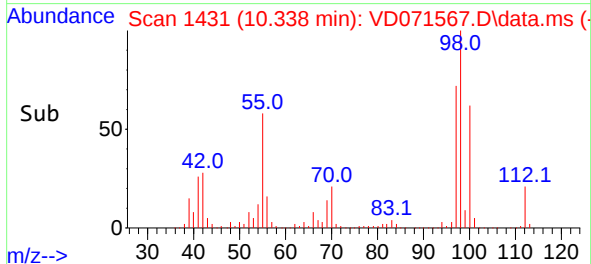
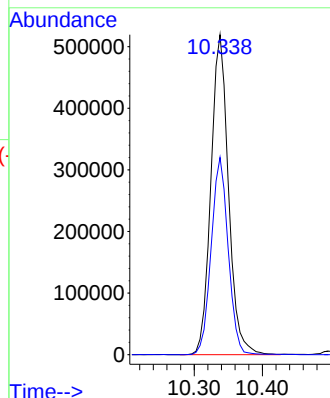
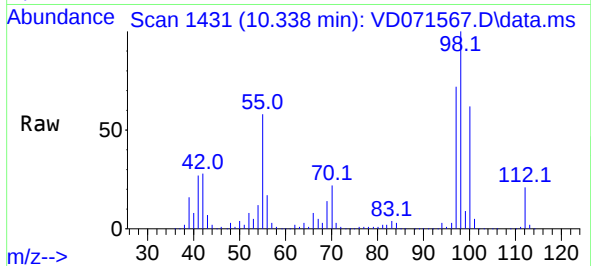




#50
Toluene-d8
Concen: 54.987 ug/l
RT: 10.338 min Scan# 1430
Delta R.T. 0.006 min
Lab File: VD071567.D
Acq: 03 Jan 2022 15:50

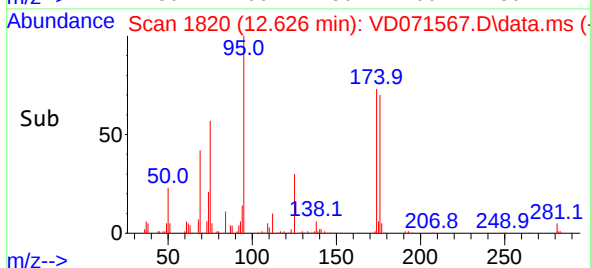
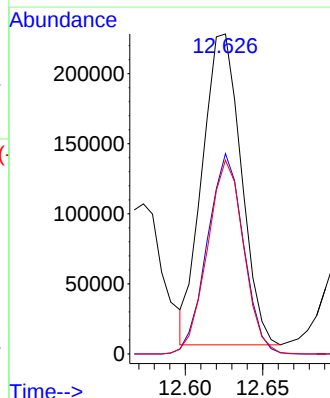
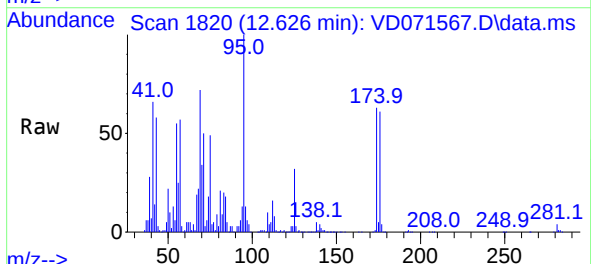
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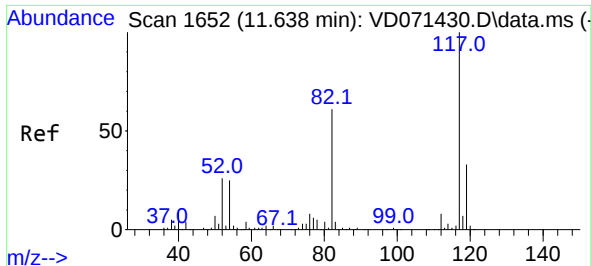
Tgt Ion: 98 Resp: 931828
Ion Ratio Lower Upper
98 100
100 59.6 51.8 77.6



#62
4-Bromofluorobenzene
Concen: 64.256 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD071567.D
Acq: 03 Jan 2022 15:50

Tgt Ion: 95 Resp: 386935
Ion Ratio Lower Upper
95 100
174 59.9 0.0 159.4
176 58.0 0.0 154.0

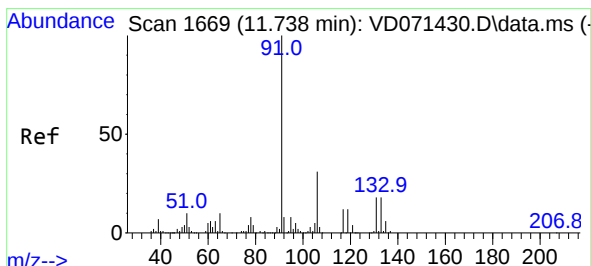
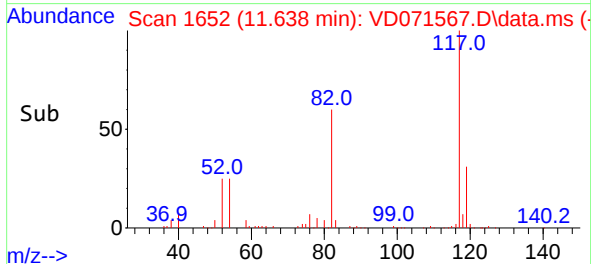
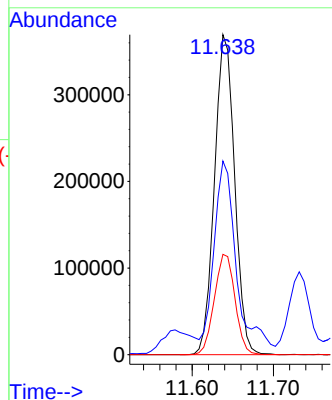
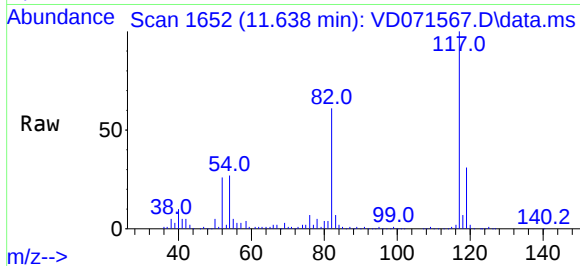




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1170
Delta R.T. -0.000 min
Lab File: VD071567.D
Acq: 03 Jan 2022 15:50

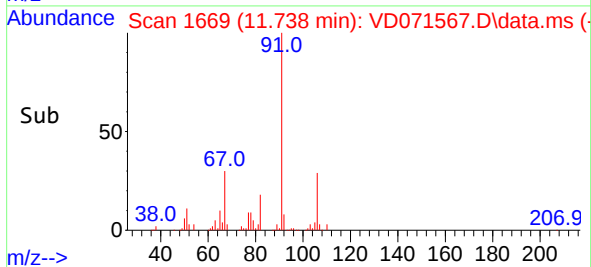
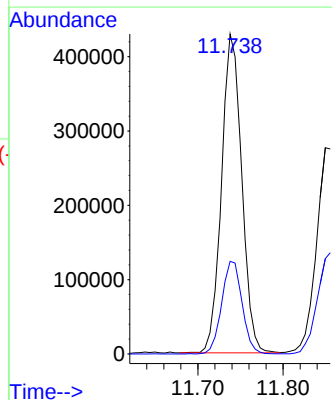
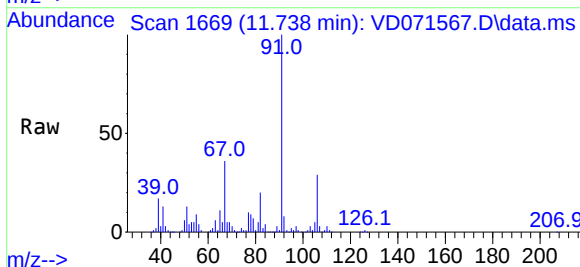
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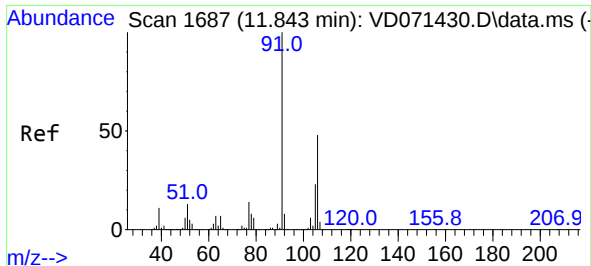
Tgt Ion:117 Resp: 637104
Ion Ratio Lower Upper
117 100
82 56.0 44.7 67.1
119 31.3 26.2 39.4



#67
Ethyl Benzene
Concen: 29.015 ug/l
RT: 11.738 min Scan# 1669
Delta R.T. -0.000 min
Lab File: VD071567.D
Acq: 03 Jan 2022 15:50

Tgt Ion: 91 Resp: 705674
Ion Ratio Lower Upper
91 100
106 29.1 24.6 36.8

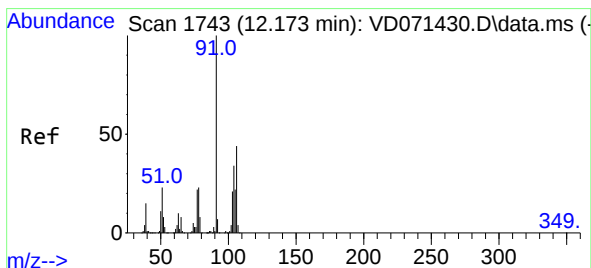
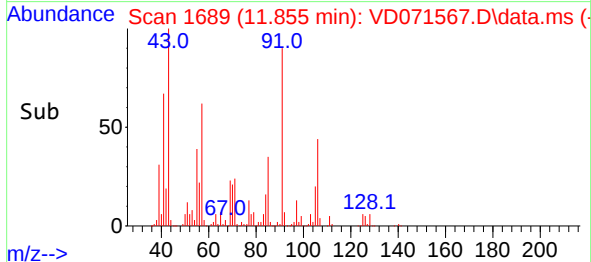
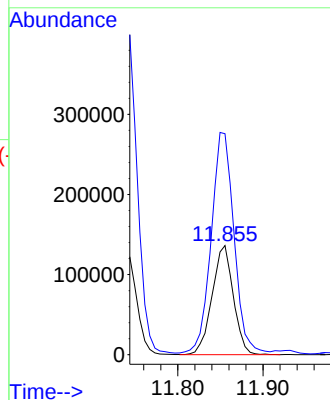
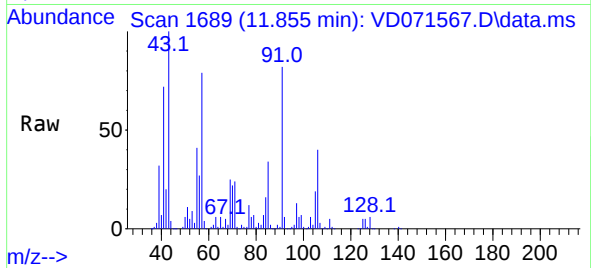




#68
m/p-Xylenes
Concen: 25.539 ug/l
RT: 11.855 min Scan# 1689
Delta R.T. 0.012 min
Lab File: VD071567.D
Acq: 03 Jan 2022 15:50

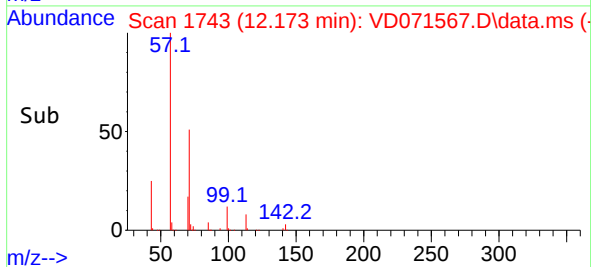
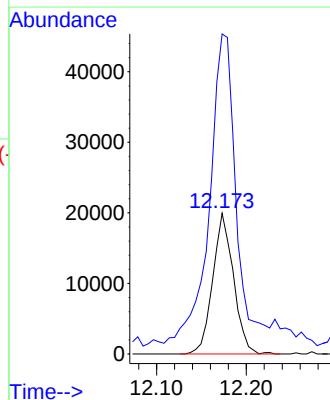
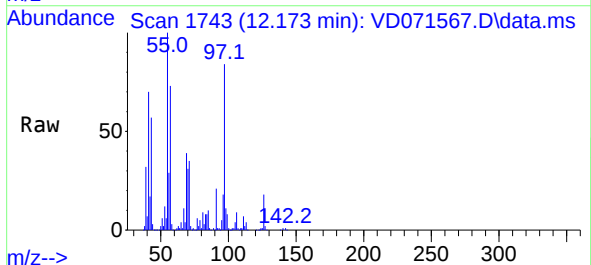
Instrument :
MSVOA_D
ClientSampleId :
TP-2S

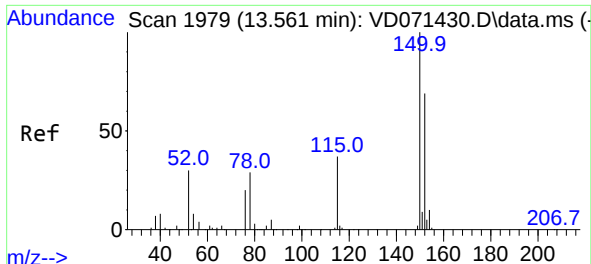
Tgt Ion:106 Resp: 235985
Ion Ratio Lower Upper
106 100
91 216.0 160.1 240.1



#69
o-Xylene
Concen: 3.792 ug/l
RT: 12.173 min Scan# 1743
Delta R.T. 0.000 min
Lab File: VD071567.D
Acq: 03 Jan 2022 15:50

Tgt Ion:106 Resp: 32027
Ion Ratio Lower Upper
106 100
91 280.5 106.3 319.0

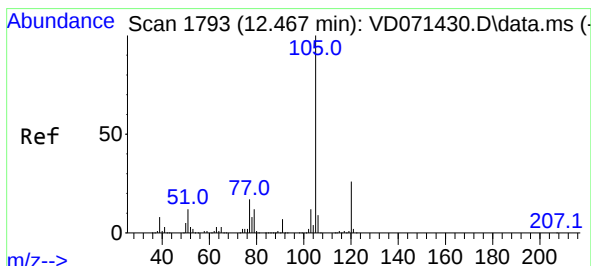
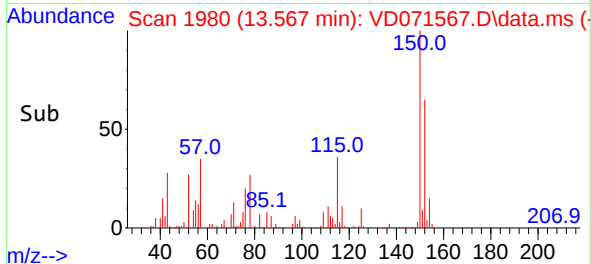
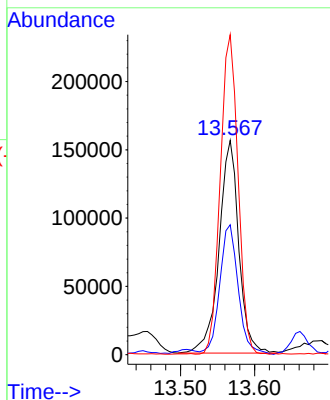
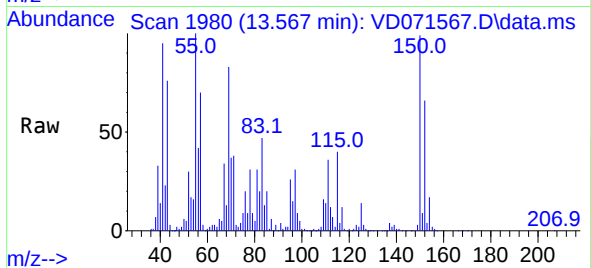




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1979
Delta R.T. 0.006 min
Lab File: VD071567.D
Acq: 03 Jan 2022 15:50

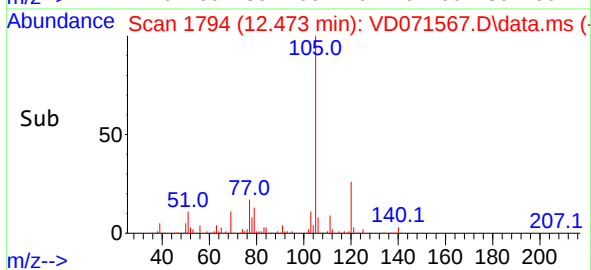
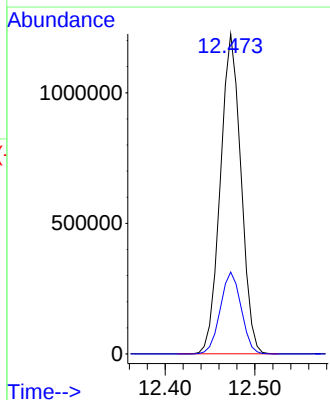
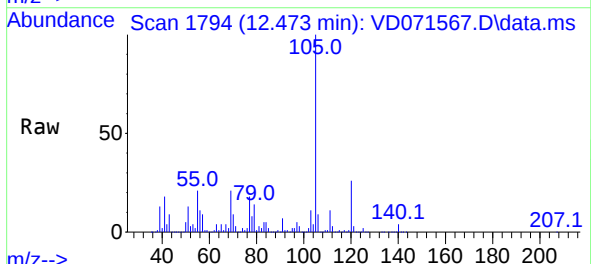
Instrument :
MSVOA_D
ClientSampleId :
TP-2S

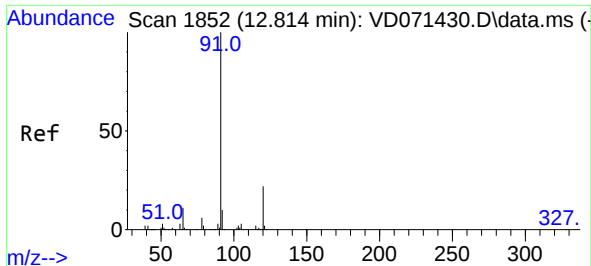
Tgt Ion:152 Resp: 288306
Ion Ratio Lower Upper
152 100
115 57.1 29.8 89.3
150 135.2 0.0 349.2



#73
Isopropylbenzene
Concen: 87.889 ug/l
RT: 12.473 min Scan# 1794
Delta R.T. 0.006 min
Lab File: VD071567.D
Acq: 03 Jan 2022 15:50

Tgt Ion:105 Resp: 1953516
Ion Ratio Lower Upper
105 100
120 25.9 13.2 39.5

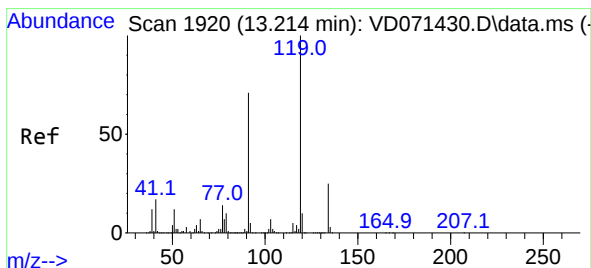
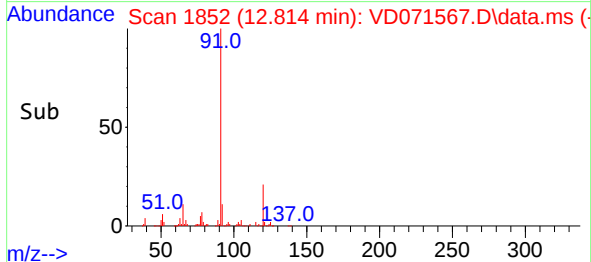
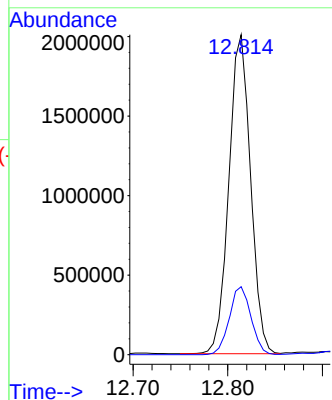
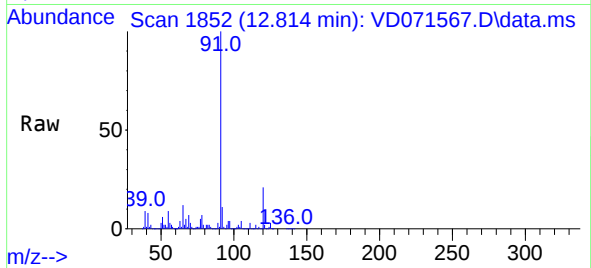




#78
n-propylbenzene
Concen: 114.527 ug/l
RT: 12.814 min Scan# 1852
Delta R.T. 0.006 min
Lab File: VD071567.D
Acq: 03 Jan 2022 15:50

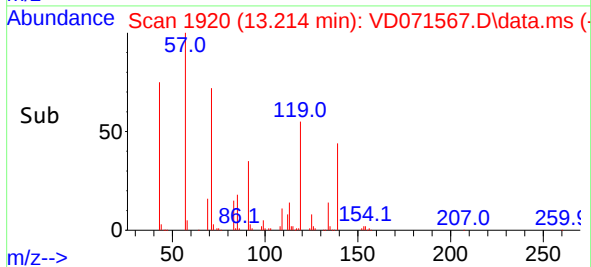
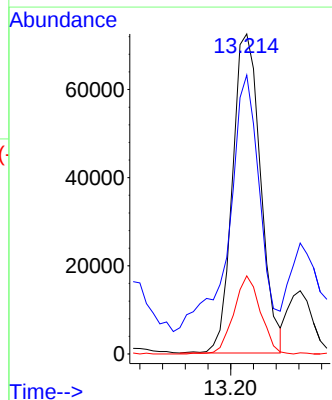
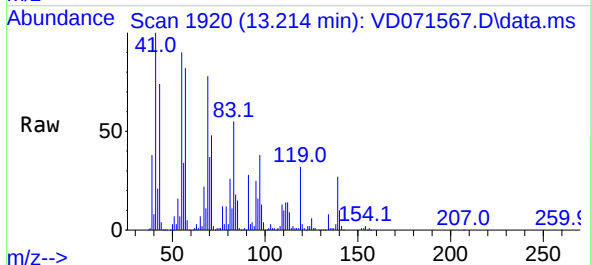
Instrument :
MSVOA_D
ClientSampleId :
TP-2S

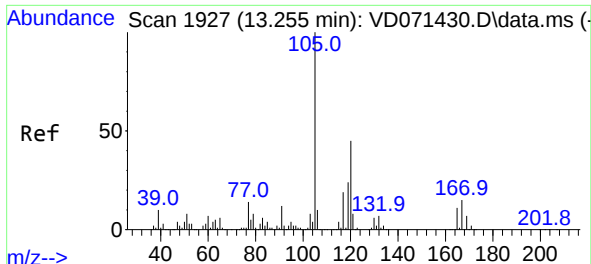
Tgt Ion: 91 Resp: 3190788
Ion Ratio Lower Upper
91 100
120 21.3 10.9 32.9



#83
tert-Butylbenzene
Concen: 7.926 ug/l
RT: 13.214 min Scan# 1920
Delta R.T. 0.000 min
Lab File: VD071567.D
Acq: 03 Jan 2022 15:50

Tgt Ion: 119 Resp: 124169
Ion Ratio Lower Upper
119 100
91 86.1 32.5 97.5
134 23.2 13.2 39.6

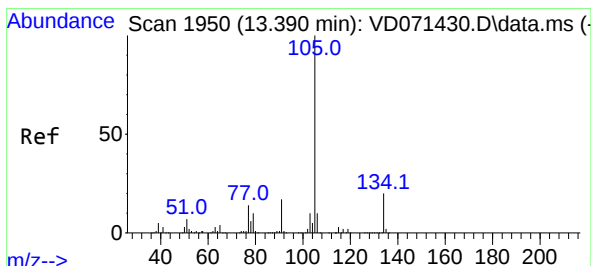
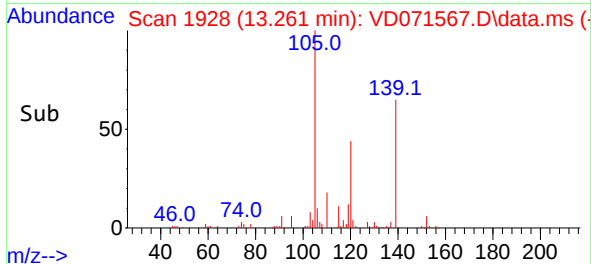
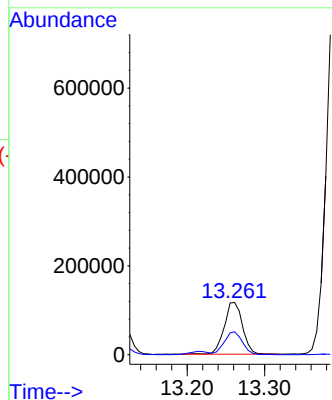
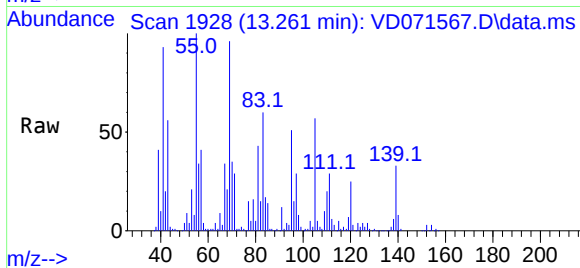




#84
1,2,4-Trimethylbenzene
Concen: 10.518 ug/l
RT: 13.261 min Scan# 1927
Delta R.T. 0.000 min
Lab File: VD071567.D
Acq: 03 Jan 2022 15:50

Instrument :
MSVOA_D
ClientSampleId :
TP-2S

Tgt Ion:105 Resp: 190841
Ion Ratio Lower Upper
105 100
120 43.7 22.9 68.7



#85
sec-Butylbenzene
Concen: 63.039 ug/l
RT: 13.391 min Scan# 1950
Delta R.T. 0.001 min
Lab File: VD071567.D
Acq: 03 Jan 2022 15:50

Tgt Ion:105 Resp: 1505575
Ion Ratio Lower Upper
105 100
134 29.2 9.7 28.9#

