

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD022522\
 Data File : VD072101.D
 Acq On : 25 Feb 2022 15:36
 Operator : VA/SY
 Sample : N1655-04
 Misc : 6.06G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 PREM-PUMP

Quant Time: Feb 26 05:42:32 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D021822S.M
 Quant Title : SW846 8260
 QLast Update : Sat Feb 19 04:05:38 2022
 Response via : Initial Calibration

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

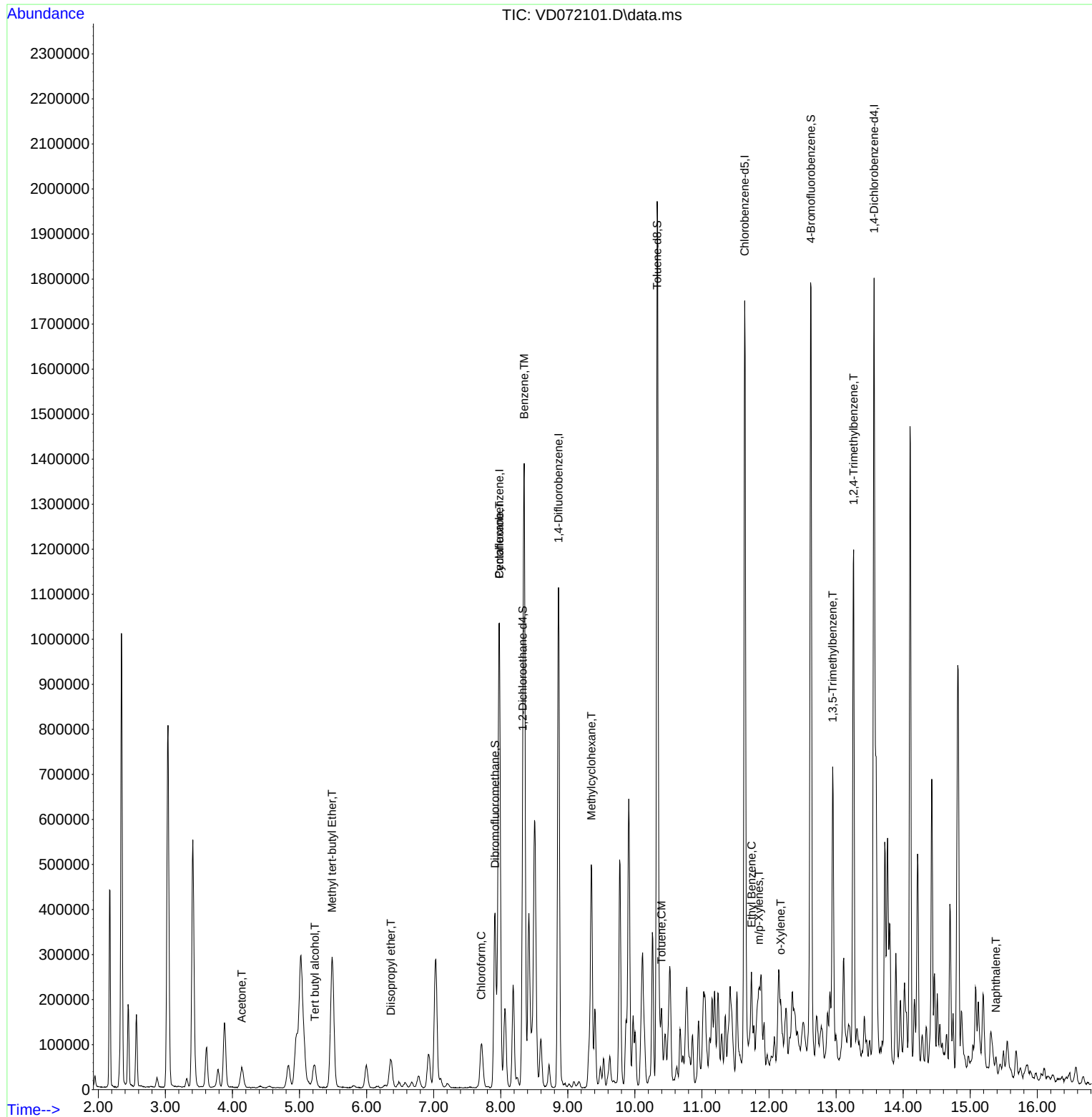
Internal Standards						
1) Pentafluorobenzene	7.979	168	560579	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	936462	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	936225	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	445272	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	259119	44.562	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	89.120%
35) Dibromofluoromethane	7.914	113	273678	48.236	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	96.480%
50) Toluene-d8	10.332	98	1188257	56.474	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	112.940%
62) 4-Bromofluorobenzene	12.626	95	451795	58.456	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	116.920%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.226	59	90865	273.874	ug/l #	95
16) Acetone	4.138	43	32657	25.986	ug/l #	75
19) Methyl tert-butyl Ether	5.485	73	182497	14.644	ug/l #	1
22) Diisopropyl ether	6.361	45	68869	3.674	ug/l	98
30) Chloroform	7.708	83	83453	7.288	ug/l	98
31) Cyclohexane	7.979	56	179916	17.517	ug/l #	96
39) Methylcyclohexane	9.350	83	143375	14.254	ug/l	98
40) Benzene	8.350	78	1287504	53.090	ug/l	97
52) Toluene	10.397	92	67344	4.339	ug/l	99
67) Ethyl Benzene	11.738	91	85083	2.667	ug/l	97
68) m/p-Xylenes	11.849	106	48387	3.962	ug/l	99
69) o-Xylene	12.173	106	19217	1.673	ug/l	90
80) 1,3,5-Trimethylbenzene	12.949	105	296095	11.599	ug/l	100
84) 1,2,4-Trimethylbenzene	13.261	105	634712	25.292	ug/l	98
95) Naphthalene	15.385	128	30198	2.134	ug/l	97

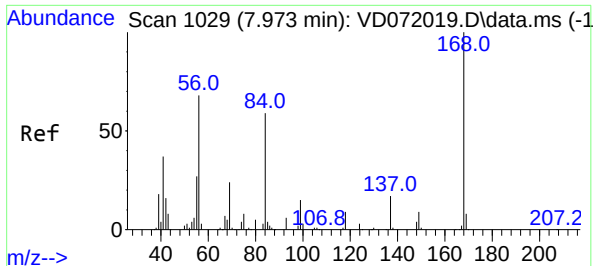
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD022522\
Data File : VD072101.D
Acq On : 25 Feb 2022 15:36
Operator : VA/SY
Sample : N1655-04
Misc : 6.06G/5.00ml/MSVOA_D/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
PREM-PUMP

Quant Time: Feb 26 05:42:32 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D021822S.M
Quant Title : SW846 8260
QLast Update : Sat Feb 19 04:05:38 2022
Response via : Initial Calibration

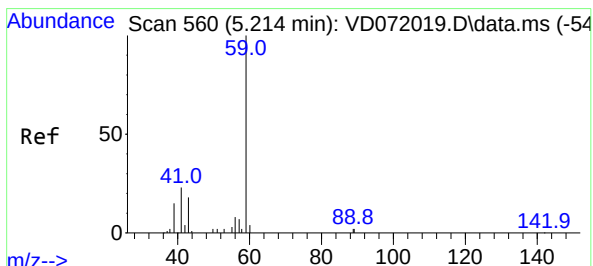
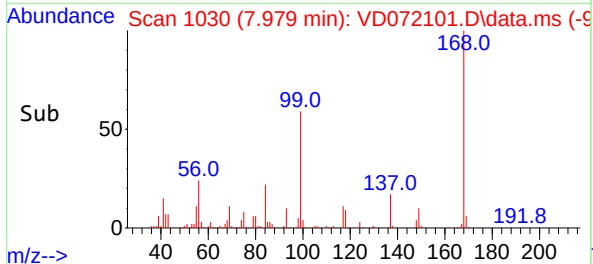
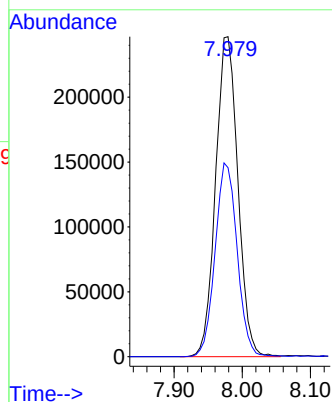
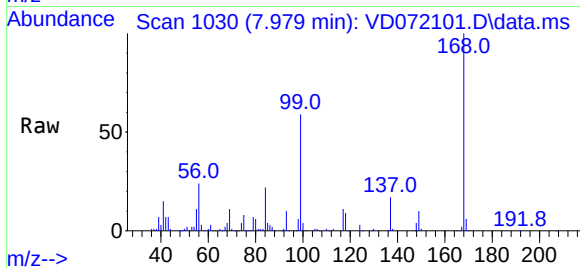




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1029
Delta R.T. 0.006 min
Lab File: VD072101.D
Acq: 25 Feb 2022 15:36

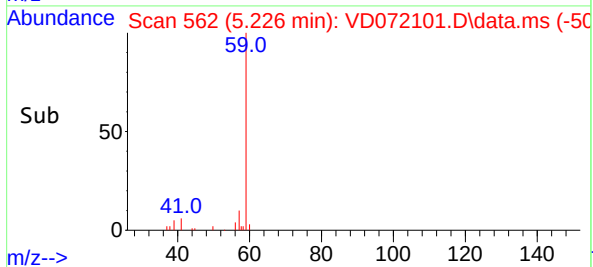
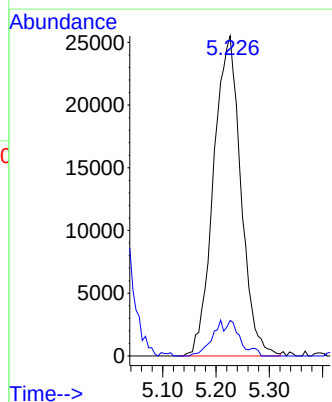
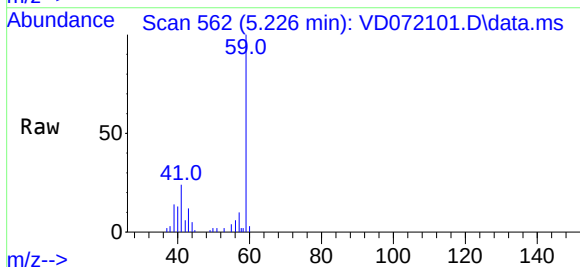
Instrument :
MSVOA_D
ClientSampleId :
PREM-PUMP

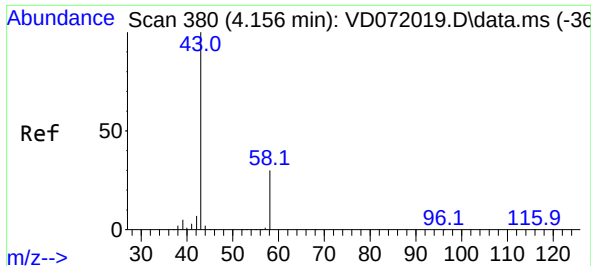
Tgt Ion:168 Resp: 560579
Ion Ratio Lower Upper
168 100
99 59.0 47.1 70.7



#11
Tert butyl alcohol
Concen: 273.874 ug/l
RT: 5.226 min Scan# 562
Delta R.T. 0.012 min
Lab File: VD072101.D
Acq: 25 Feb 2022 15:36

Tgt Ion: 59 Resp: 90865
Ion Ratio Lower Upper
59 100
57 5.0 5.4 8.2#

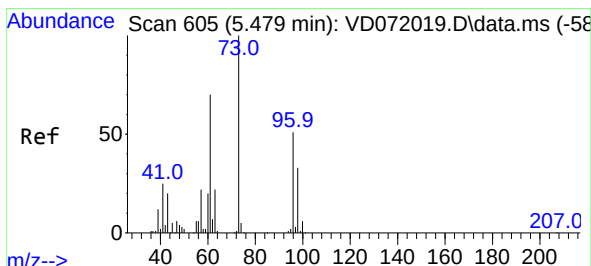
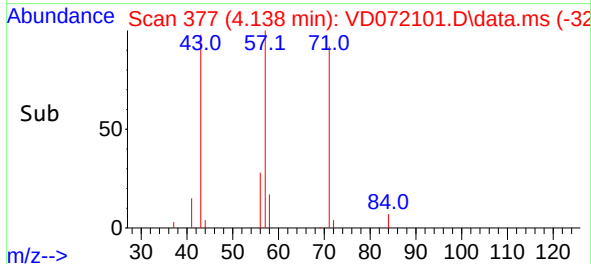
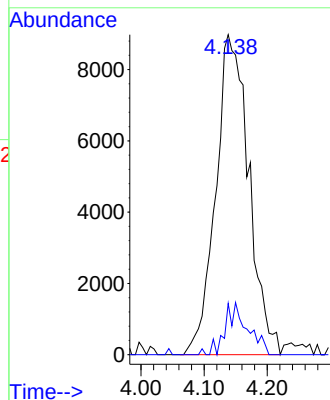
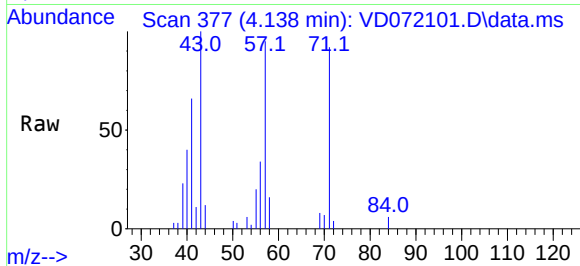




#16
Acetone
Concen: 25.986 ug/l
RT: 4.138 min Scan# 31
Delta R.T. -0.018 min
Lab File: VD072101.D
Acq: 25 Feb 2022 15:36

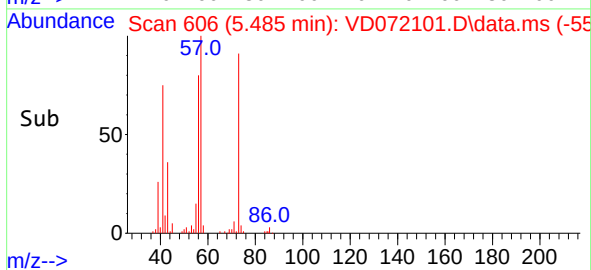
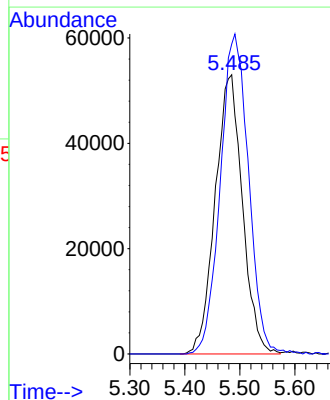
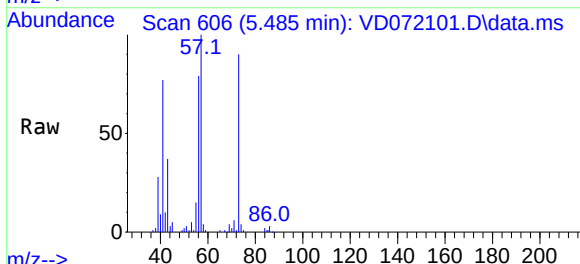
Instrument :
MSVOA_D
ClientSampleId :
PREM-PUMP

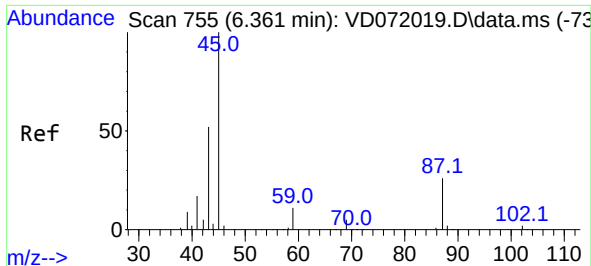
Tgt Ion: 43 Resp: 32657
Ion Ratio Lower Upper
43 100
58 16.0 23.8 35.6#



#19
Methyl tert-butyl Ether
Concen: 14.644 ug/l
RT: 5.485 min Scan# 606
Delta R.T. 0.006 min
Lab File: VD072101.D
Acq: 25 Feb 2022 15:36

Tgt Ion: 73 Resp: 182497
Ion Ratio Lower Upper
73 100
57 111.0 18.0 27.0#

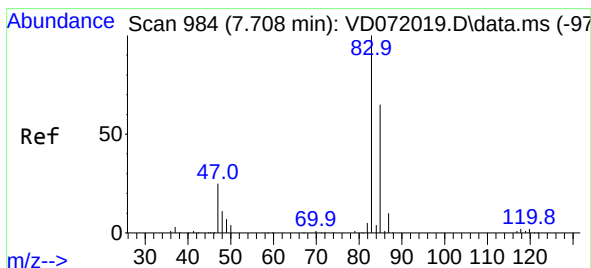
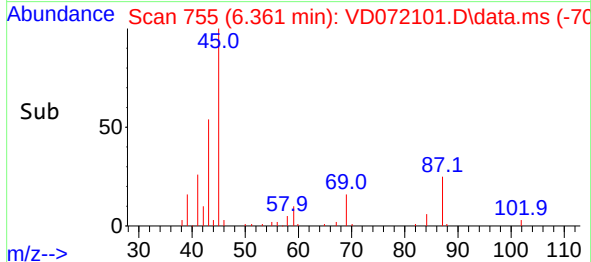
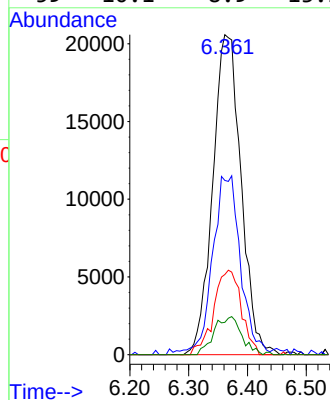
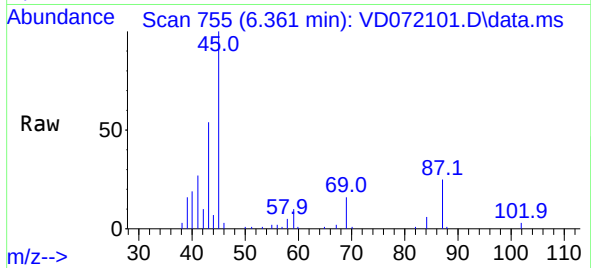




#22
Diisopropyl ether
Concen: 3.674 ug/l
RT: 6.361 min Scan# 755
Delta R.T. 0.000 min
Lab File: VD072101.D
Acq: 25 Feb 2022 15:36

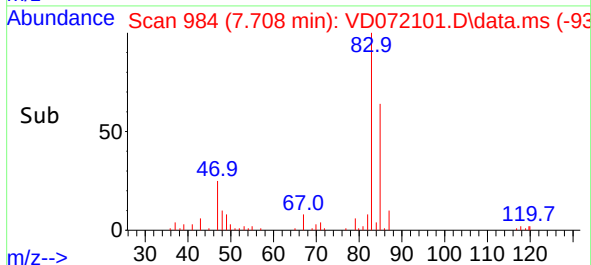
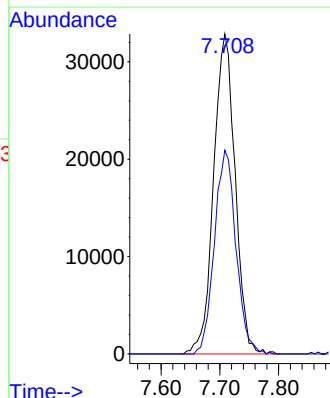
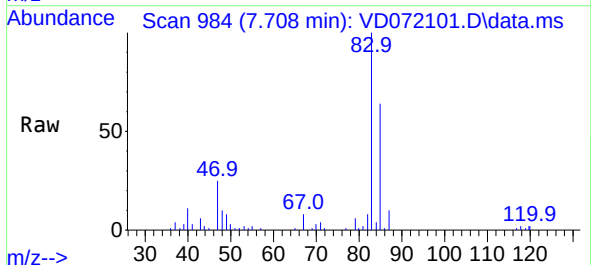
Instrument :
MSVOA_D
ClientSampleId :
PREM-PUMP

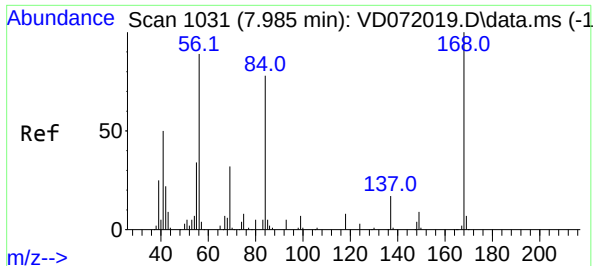
Tgt Ion:	45	Resp:	68869
Ion	Ratio	Lower	Upper
45	100		
43	53.3	41.3	61.9
87	25.0	20.4	30.6
59	10.1	8.9	13.3



#30
Chloroform
Concen: 7.288 ug/l
RT: 7.708 min Scan# 984
Delta R.T. 0.000 min
Lab File: VD072101.D
Acq: 25 Feb 2022 15:36

Tgt Ion:	83	Resp:	83453
Ion	Ratio	Lower	Upper
83	100		
85	63.6	52.2	78.2

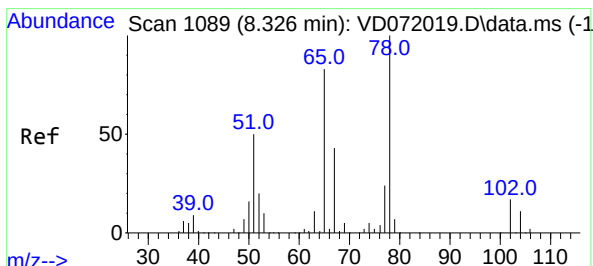
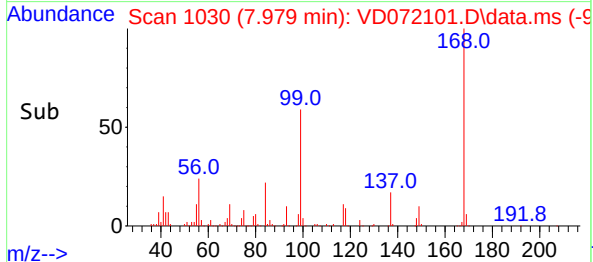
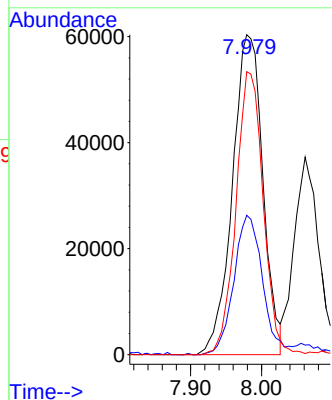
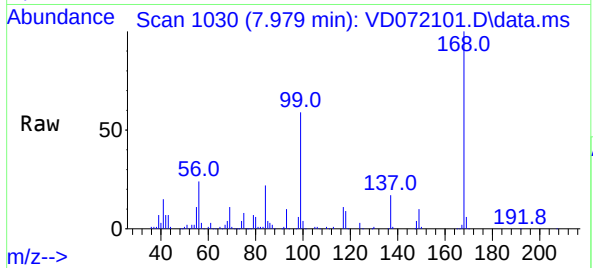




#31
Cyclohexane
Concen: 17.517 ug/l
RT: 7.979 min Scan# 1031
Delta R.T. -0.006 min
Lab File: VD072101.D
Acq: 25 Feb 2022 15:36

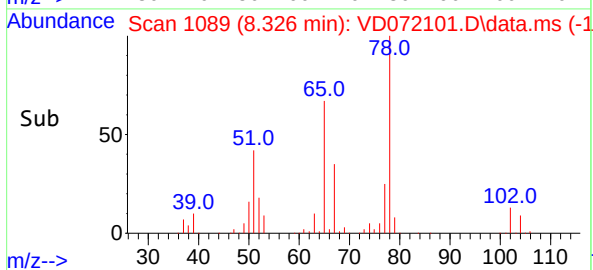
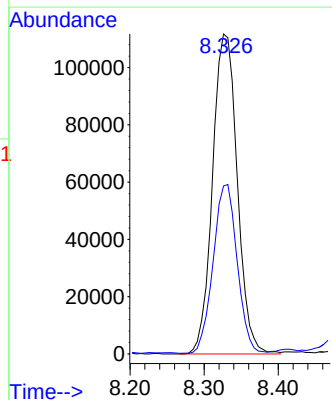
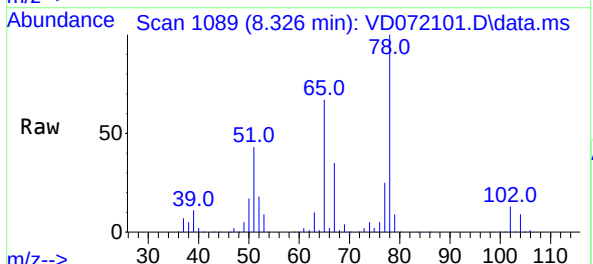
Instrument :
MSVOA_D
ClientSampleId :
PREM-PUMP

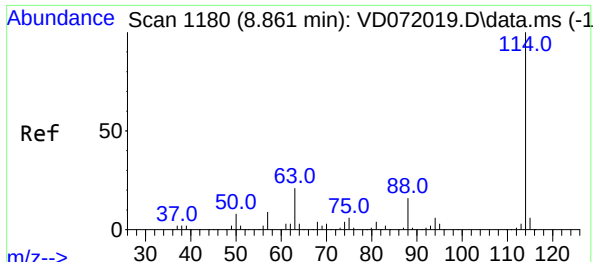
Tgt Ion: 56 Resp: 179916
Ion Ratio Lower Upper
56 100
69 43.6 28.9 43.3#
84 88.5 70.6 105.8



#33
1,2-Dichloroethane-d4
Concen: 44.562 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD072101.D
Acq: 25 Feb 2022 15:36

Tgt Ion: 65 Resp: 259119
Ion Ratio Lower Upper
65 100
67 51.2 0.0 105.6

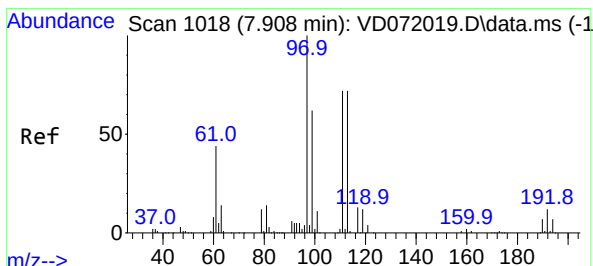
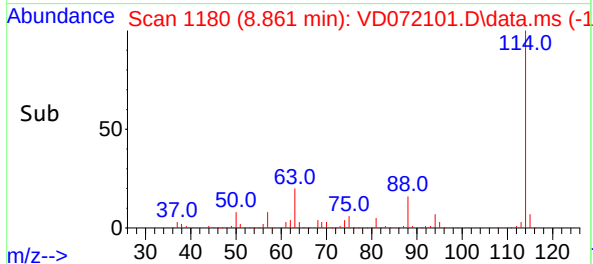
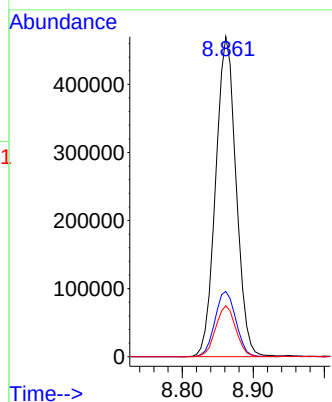
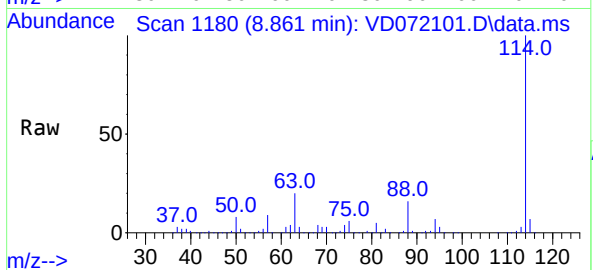




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD072101.D
Acq: 25 Feb 2022 15:36

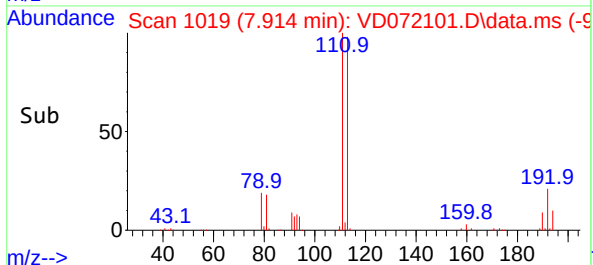
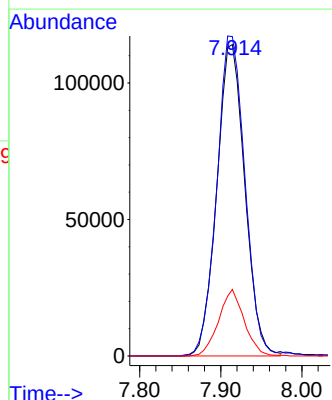
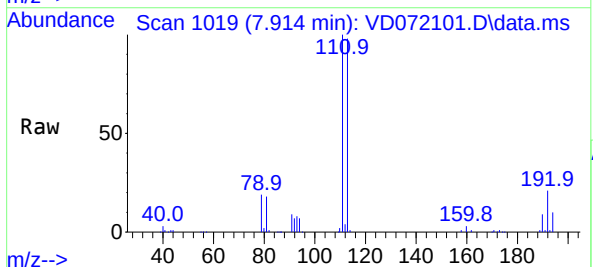
Instrument :
MSVOA_D
ClientSampleId :
PREM-PUMP

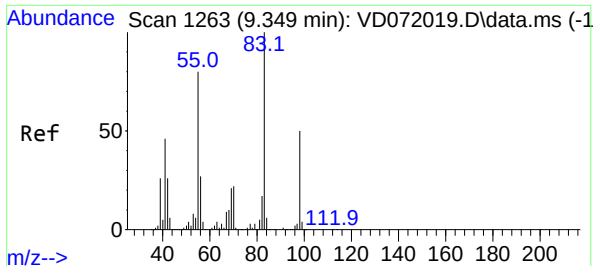
Tgt Ion:114 Resp: 936462
Ion Ratio Lower Upper
114 100
63 20.4 0.0 42.2
88 15.9 0.0 31.2



#35
Dibromofluoromethane
Concen: 48.236 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. 0.006 min
Lab File: VD072101.D
Acq: 25 Feb 2022 15:36

Tgt Ion:113 Resp: 273678
Ion Ratio Lower Upper
113 100
111 103.6 83.0 124.4
192 19.6 15.3 22.9





#39

Methylcyclohexane

Concen: 14.254 ug/l

RT: 9.350 min Scan# 11

Delta R.T. 0.000 min

Lab File: VD072101.D

Acq: 25 Feb 2022 15:36

Instrument :

MSVOA_D

ClientSampleId :

PREM-PUMP

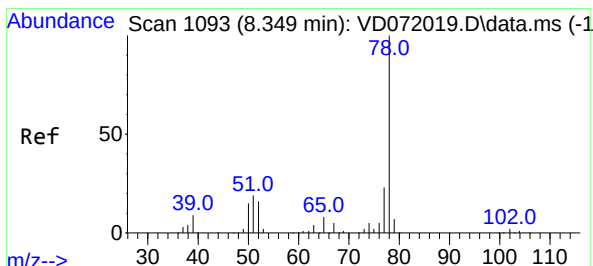
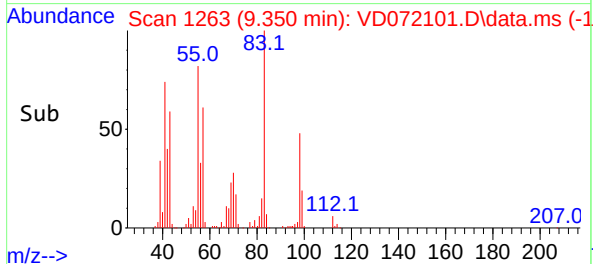
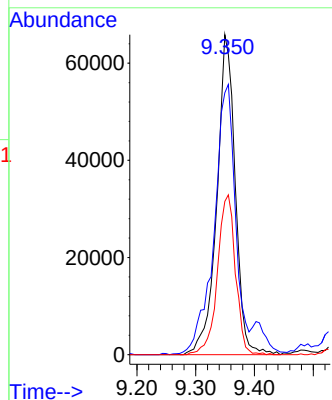
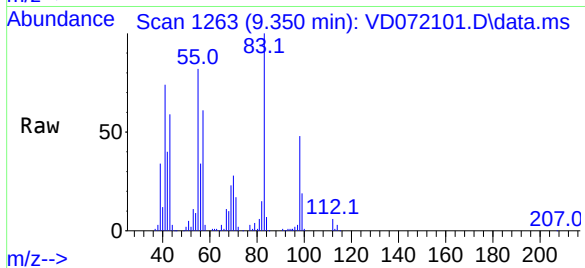
Tgt Ion: 83 Resp: 143375

Ion Ratio Lower Upper

83 100

55 81.4 64.0 96.0

98 47.9 39.8 59.8



#40

Benzene

Concen: 53.090 ug/l

RT: 8.350 min Scan# 1093

Delta R.T. 0.000 min

Lab File: VD072101.D

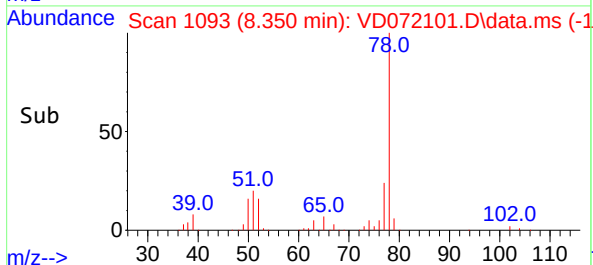
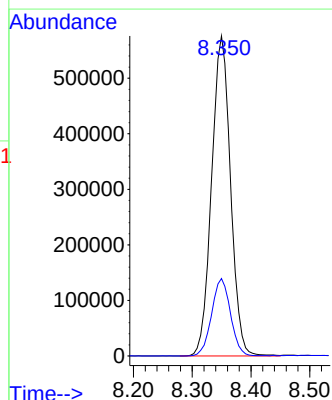
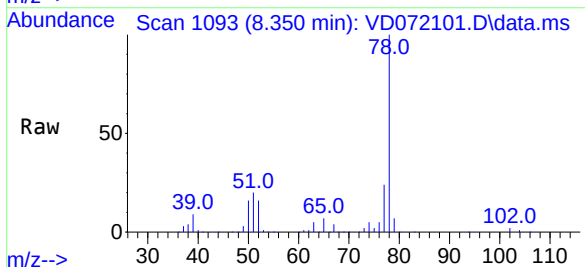
Acq: 25 Feb 2022 15:36

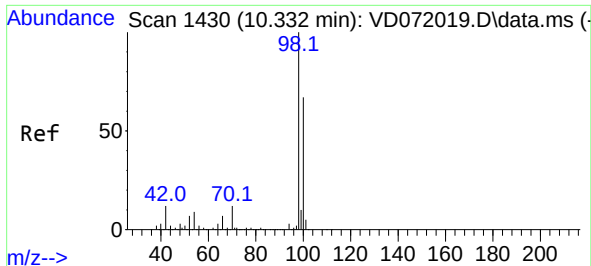
Tgt Ion: 78 Resp: 1287504

Ion Ratio Lower Upper

78 100

77 24.2 18.2 27.4

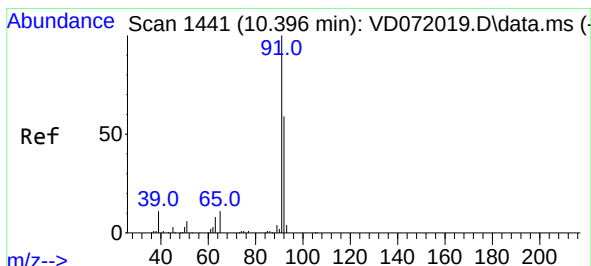
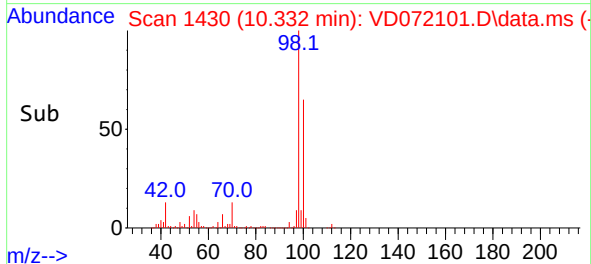
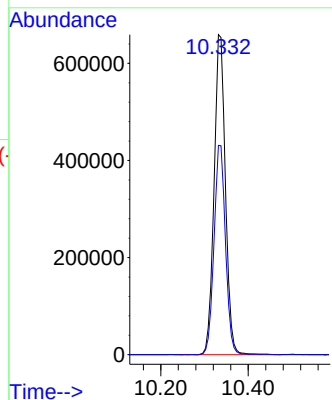
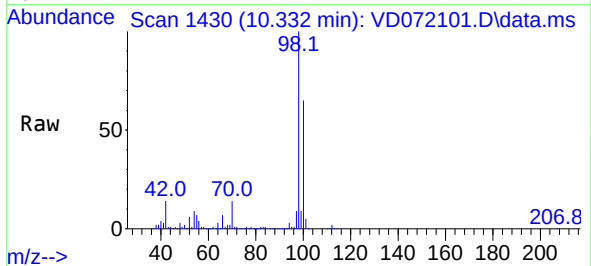




#50
Toluene-d8
Concen: 56.474 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VD072101.D
Acq: 25 Feb 2022 15:36

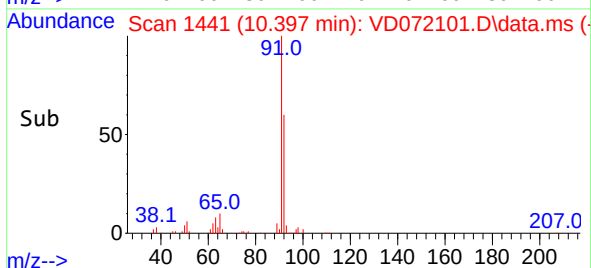
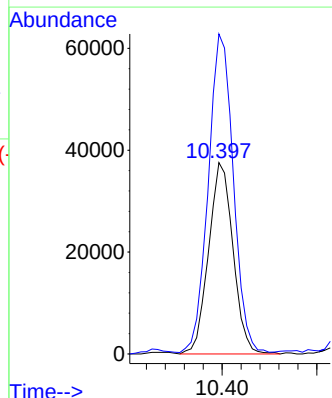
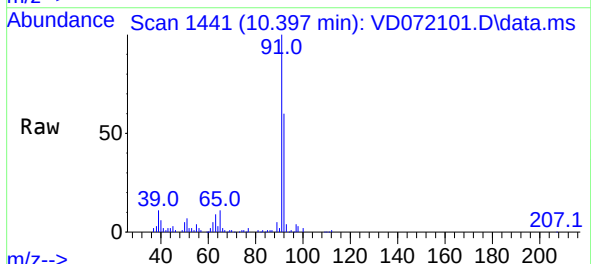
Instrument :
MSVOA_D
ClientSampleId :
PREM-PUMP

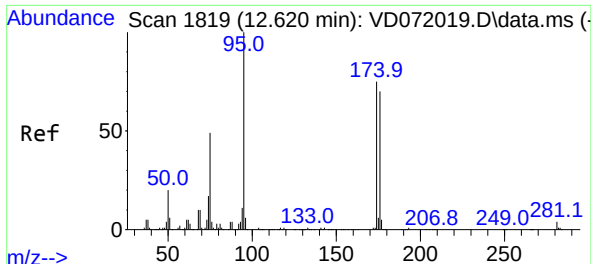
Tgt Ion: 98 Resp: 1188257
Ion Ratio Lower Upper
98 100
100 66.2 53.8 80.6



#52
Toluene
Concen: 4.339 ug/l
RT: 10.397 min Scan# 1441
Delta R.T. 0.000 min
Lab File: VD072101.D
Acq: 25 Feb 2022 15:36

Tgt Ion: 92 Resp: 67344
Ion Ratio Lower Upper
92 100
91 170.2 135.6 203.4

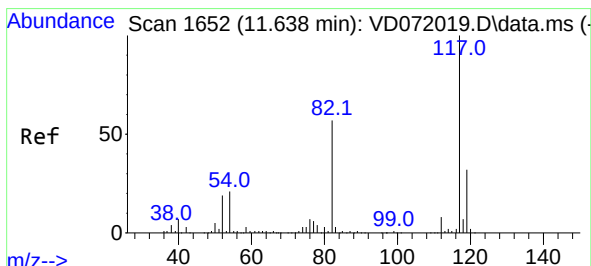
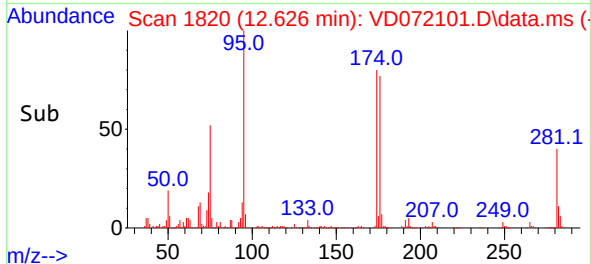
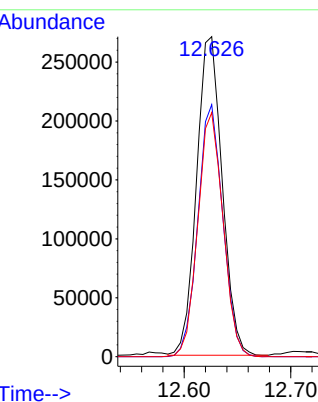
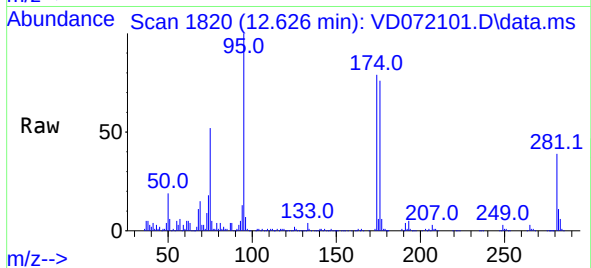




#62
4-Bromofluorobenzene
Concen: 58.456 ug/l
RT: 12.626 min Scan# 1819
Delta R.T. 0.006 min
Lab File: VD072101.D
Acq: 25 Feb 2022 15:36

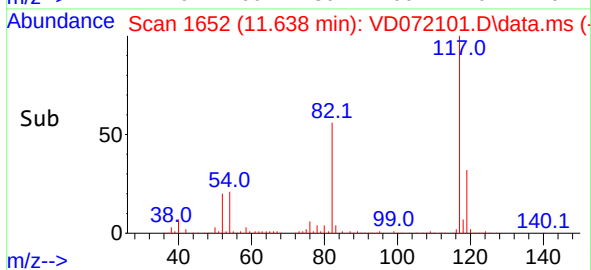
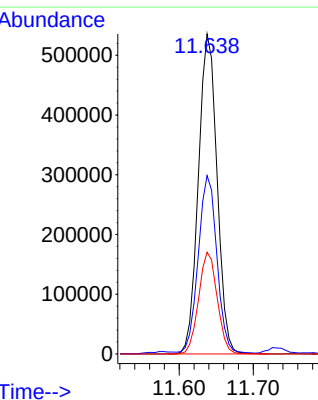
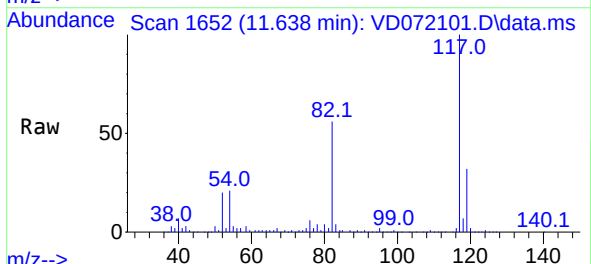
Instrument :
MSVOA_D
ClientSampleId :
PREM-PUMP

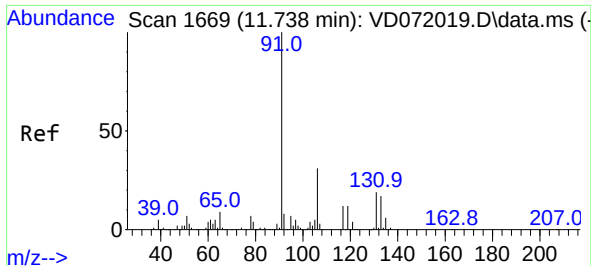
Tgt Ion: 95 Resp: 451795
Ion Ratio Lower Upper
95 100
174 77.0 0.0 155.0
176 75.1 0.0 148.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD072101.D
Acq: 25 Feb 2022 15:36

Tgt Ion: 117 Resp: 936225
Ion Ratio Lower Upper
117 100
82 55.2 45.4 68.0
119 31.8 25.4 38.2

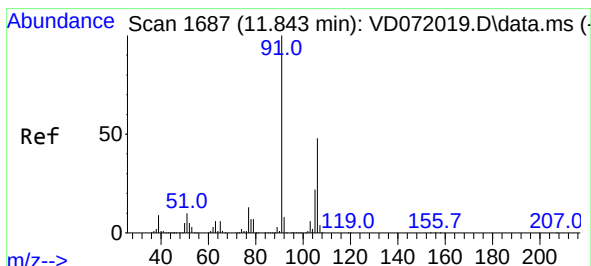
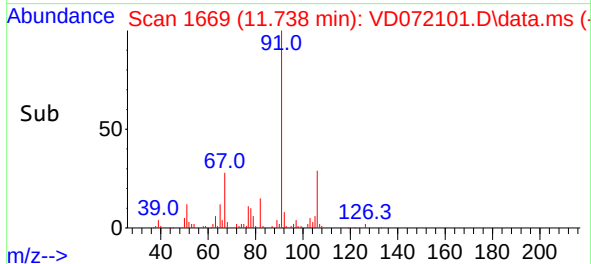
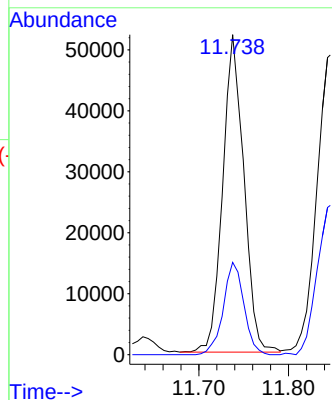
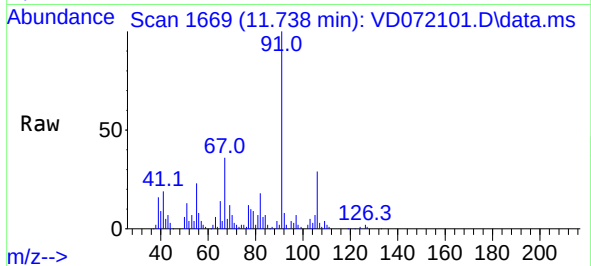




#67
Ethyl Benzene
Concen: 2.667 ug/l
RT: 11.738 min Scan# 1669
Delta R.T. 0.000 min
Lab File: VD072101.D
Acq: 25 Feb 2022 15:36

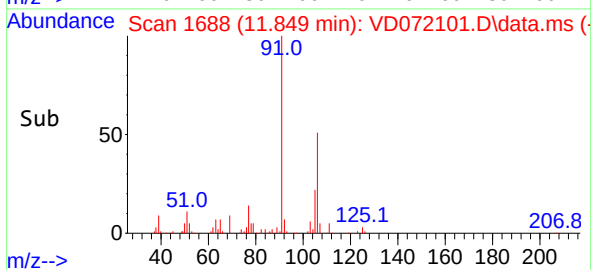
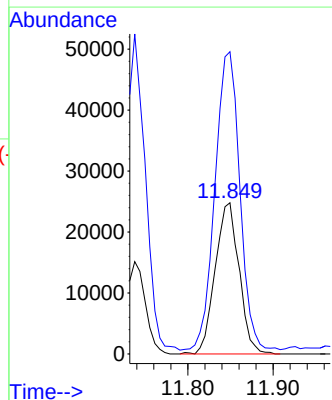
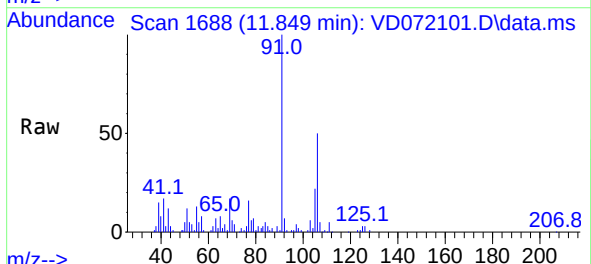
Instrument :
MSVOA_D
ClientSampleId :
PREM-PUMP

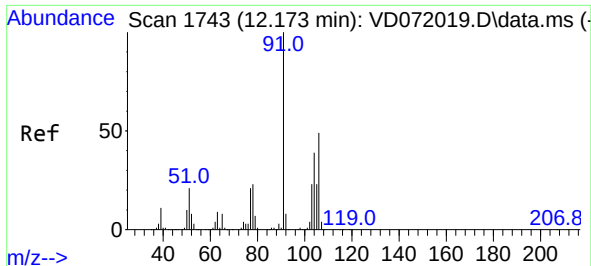
Tgt Ion: 91 Resp: 85083
Ion Ratio Lower Upper
91 100
106 29.1 24.6 36.8



#68
m/p-Xylenes
Concen: 3.962 ug/l
RT: 11.849 min Scan# 1688
Delta R.T. 0.006 min
Lab File: VD072101.D
Acq: 25 Feb 2022 15:36

Tgt Ion: 106 Resp: 48387
Ion Ratio Lower Upper
106 100
91 205.0 162.6 243.8

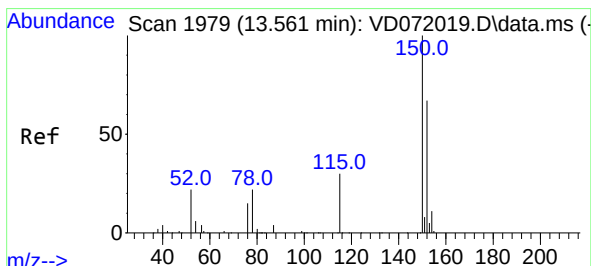
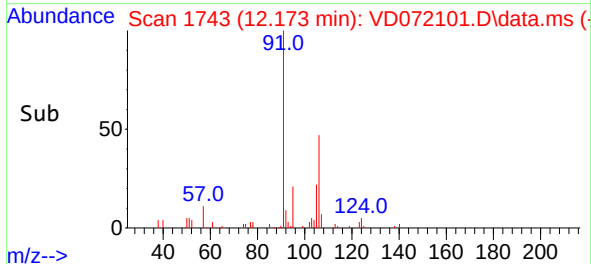
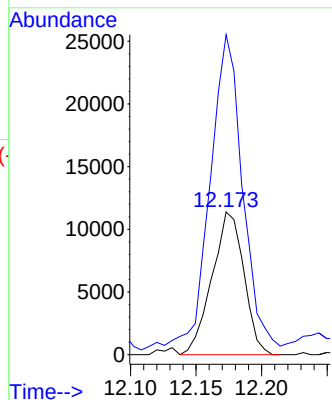
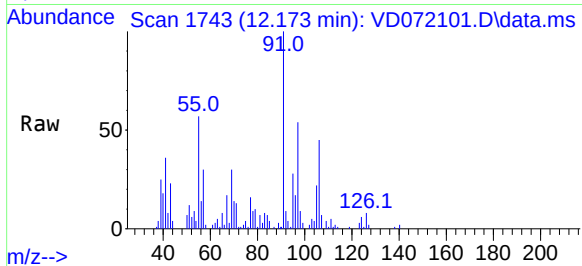




#69
o-Xylene
Concen: 1.673 ug/l
RT: 12.173 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD072101.D
Acq: 25 Feb 2022 15:36

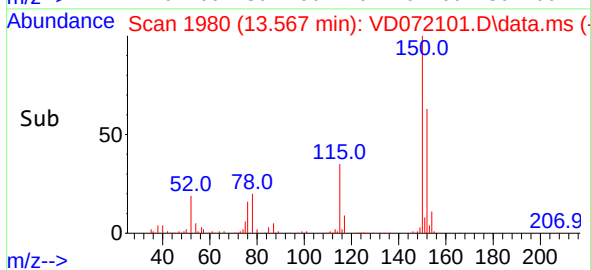
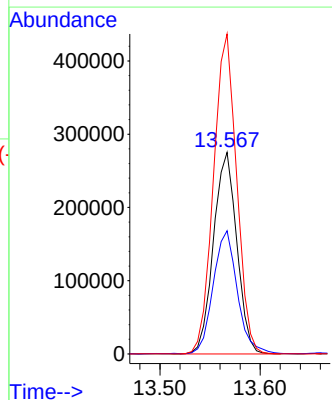
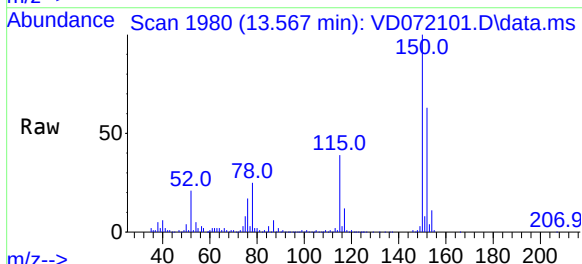
Instrument :
MSVOA_D
ClientSampleId :
PREM-PUMP

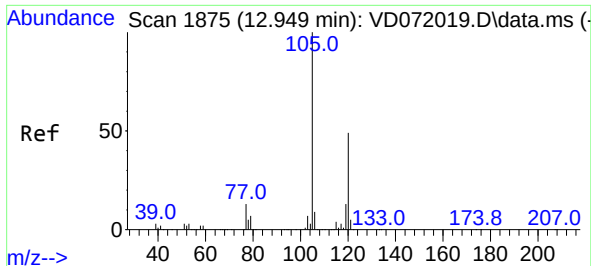
Tgt Ion:106 Resp: 19217
Ion Ratio Lower Upper
106 100
91 227.4 106.0 317.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.006 min
Lab File: VD072101.D
Acq: 25 Feb 2022 15:36

Tgt Ion:152 Resp: 445272
Ion Ratio Lower Upper
152 100
115 62.8 29.9 89.7
150 157.5 0.0 347.6

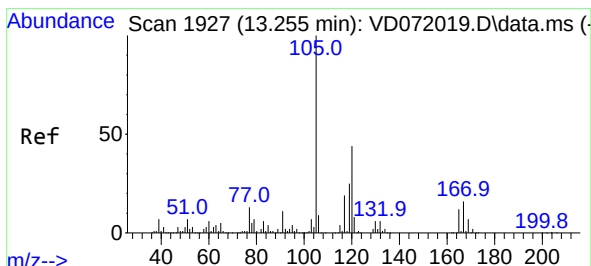
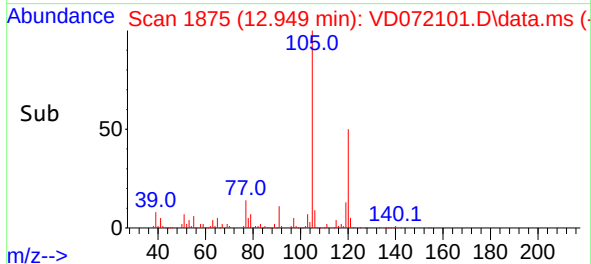
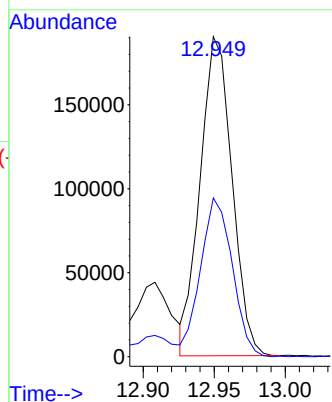
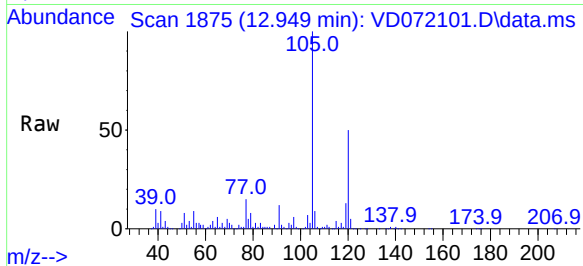




#80
1,3,5-Trimethylbenzene
Concen: 11.599 ug/l
RT: 12.949 min Scan# 1875
Delta R.T. 0.000 min
Lab File: VD072101.D
Acq: 25 Feb 2022 15:36

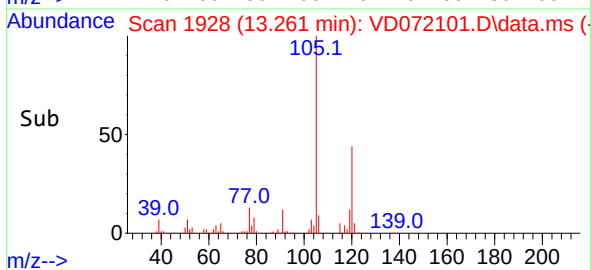
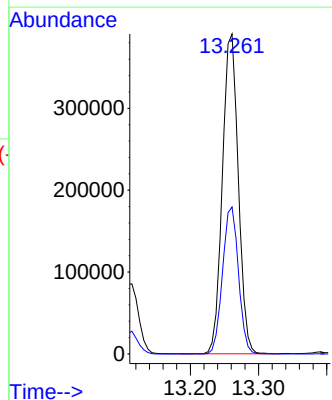
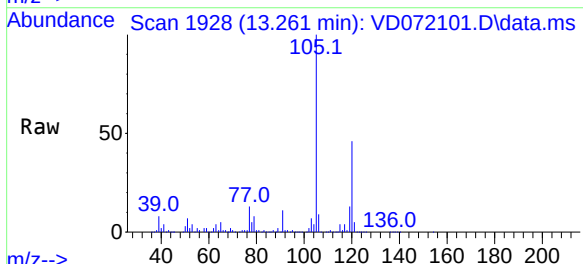
Instrument :
MSVOA_D
ClientSampleId :
PREM-PUMP

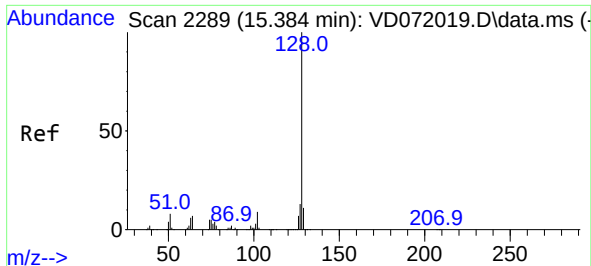
Tgt Ion:105 Resp: 296095
Ion Ratio Lower Upper
105 100
120 49.6 24.9 74.7



#84
1,2,4-Trimethylbenzene
Concen: 25.292 ug/l
RT: 13.261 min Scan# 1928
Delta R.T. 0.006 min
Lab File: VD072101.D
Acq: 25 Feb 2022 15:36

Tgt Ion:105 Resp: 634712
Ion Ratio Lower Upper
105 100
120 46.0 22.4 67.3





#95

Naphthalene

Concen: 2.134 ug/l

RT: 15.385 min Scan# 21

Delta R.T. 0.000 min

Lab File: VD072101.D

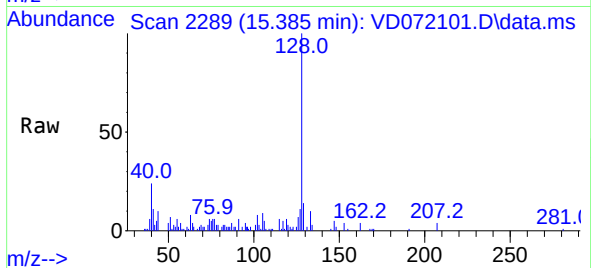
Acq: 25 Feb 2022 15:36

Instrument :

MSVOA_D

ClientSampleId :

PREM-PUMP



Tgt Ion:128 Resp: 30198

Ion Ratio Lower Upper

128 100

127 10.5 10.3 15.5

129 10.9 8.7 13.1

