

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD031121\
 Data File : VD068587.D
 Acq On : 11 Mar 2021 16:09
 Operator : VA/SY
 Sample : M1640-01
 Misc : 6.14G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-20-A

Quant Time: Mar 12 00:13:04 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D022621S.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 26 14:04:14 2021
 Response via : Initial Calibration

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

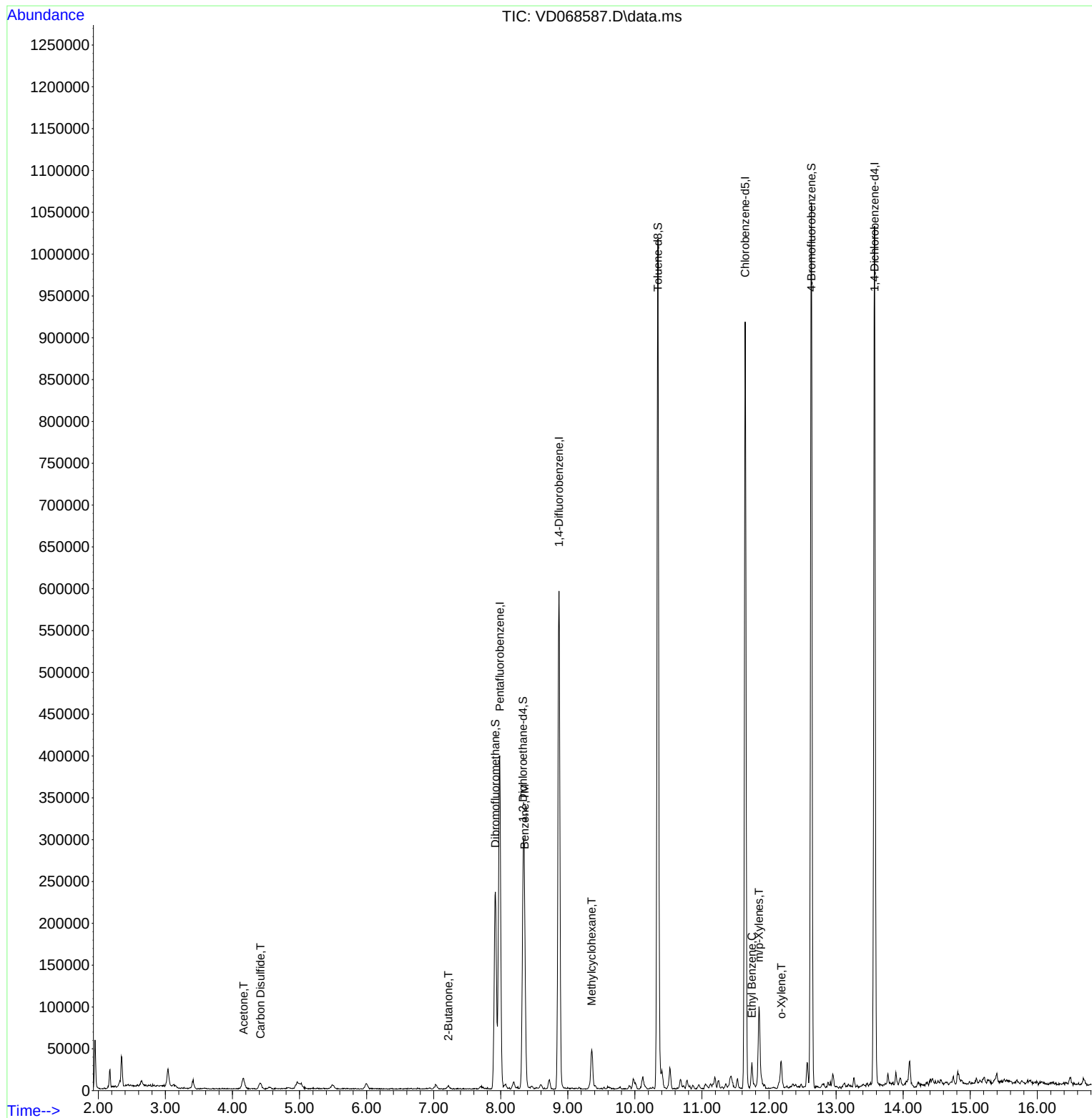
Internal Standards						
1) Pentafluorobenzene	7.985	168	297216	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	546554	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	537685	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	281446	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	166977	56.23	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 112.46%	
35) Dibromofluoromethane	7.920	113	171376	52.05	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 104.10%	
50) Toluene-d8	10.344	98	682510	52.04	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 104.08%	
62) 4-Bromofluorobenzene	12.632	95	242786	57.44	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 114.88%	
Target Compounds						
						Qvalue
16) Acetone	4.168	43	20818	44.13	ug/l	97
17) Carbon Disulfide	4.421	76	15720	1.61	ug/l #	95
25) 2-Butanone	7.220	43	4145	6.11	ug/l	96
39) Methylcyclohexane	9.356	83	20751	3.24	ug/l	87
40) Benzene	8.356	78	173587	11.65	ug/l	91
67) Ethyl Benzene	11.744	91	19814	1.01	ug/l	89
68) m/p-Xylenes	11.850	106	27175	3.66	ug/l	97
69) o-Xylene	12.185	106	8797	1.29	ug/l	92

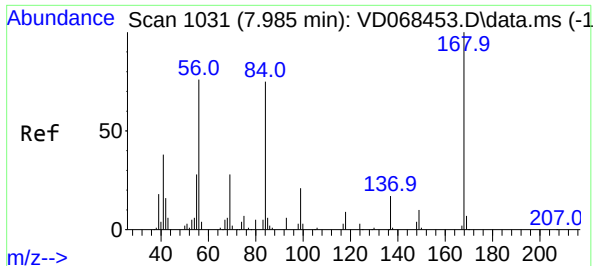
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
MSVOA_D
ClientSampleId :
TP-20-A

Quant Time: Mar 12 00:13:04 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D022621S.M
Quant Title : SW846 8260
QLast Update : Fri Feb 26 14:04:14 2021
Response via : Initial Calibration

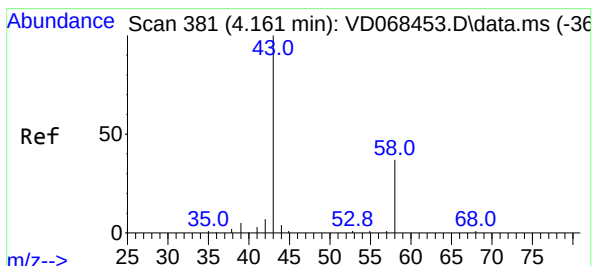
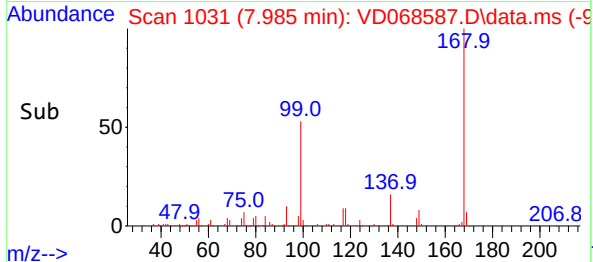
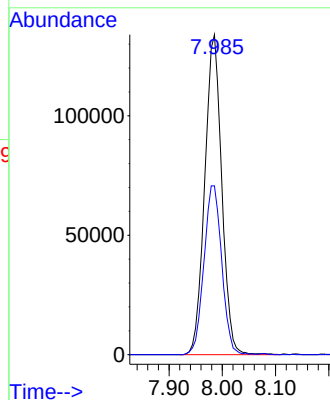
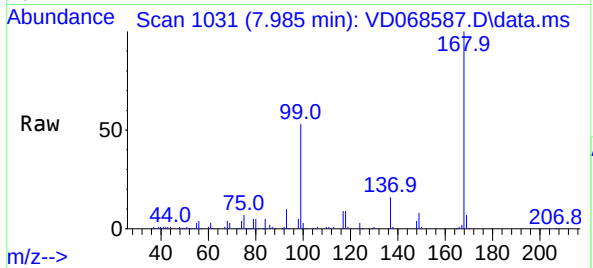




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. 0.000 min
Lab File: VD068587.D
Acq: 11 Mar 2021 16:09

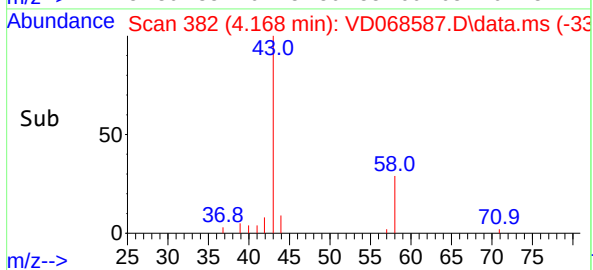
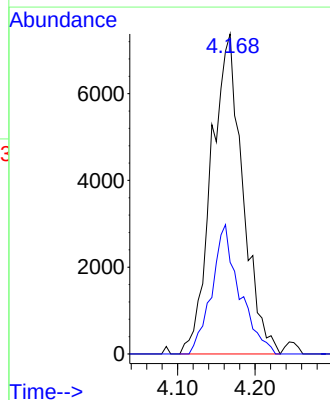
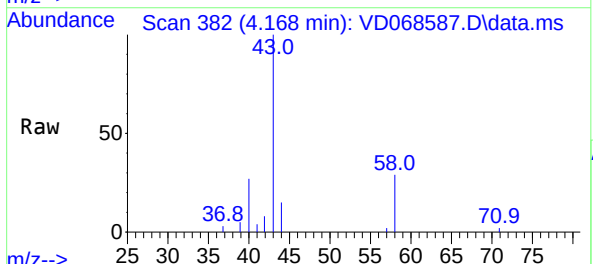
Instrument :
MSVOA_D
ClientSampled :
TP-20-A

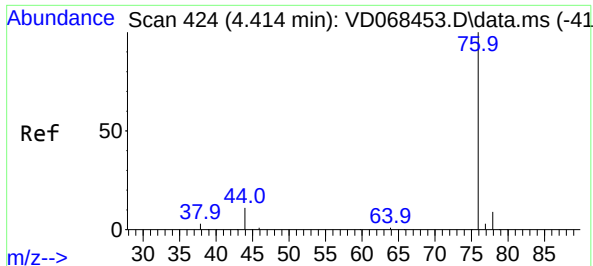
Tgt Ion:168 Resp: 297216
Ion Ratio Lower Upper
168 100
99 52.8 43.5 65.3



#16
Acetone
Concen: 44.13 ug/l
RT: 4.168 min Scan# 382
Delta R.T. 0.006 min
Lab File: VD068587.D
Acq: 11 Mar 2021 16:09

Tgt Ion: 43 Resp: 20818
Ion Ratio Lower Upper
43 100
58 28.7 24.2 36.4

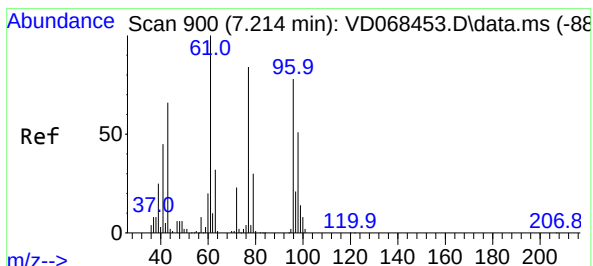
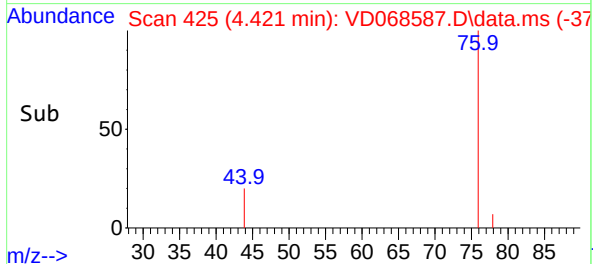
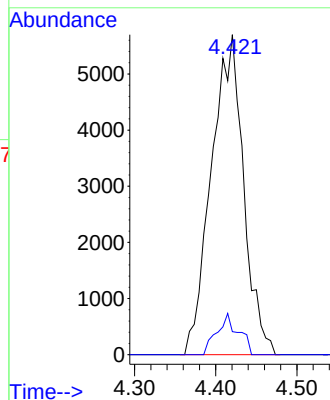
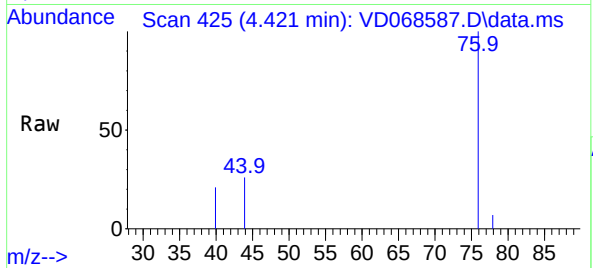




#17
Carbon Disulfide
Concen: 1.61 ug/l
RT: 4.421 min Scan# 425
Delta R.T. 0.006 min
Lab File: VD068587.D
Acq: 11 Mar 2021 16:09

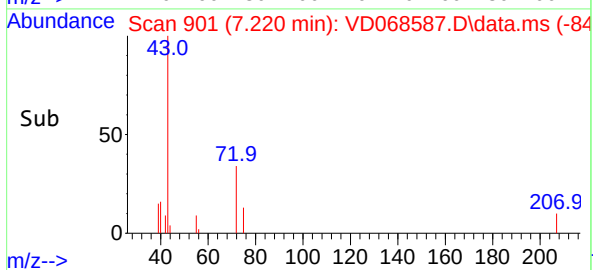
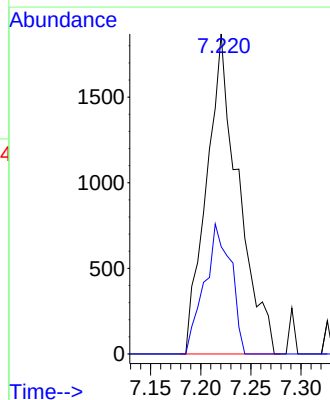
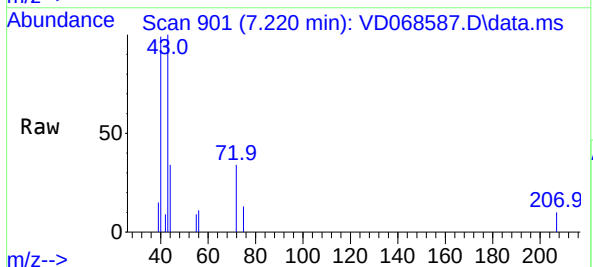
Instrument :
MSVOA_D
ClientSampled :
TP-20-A

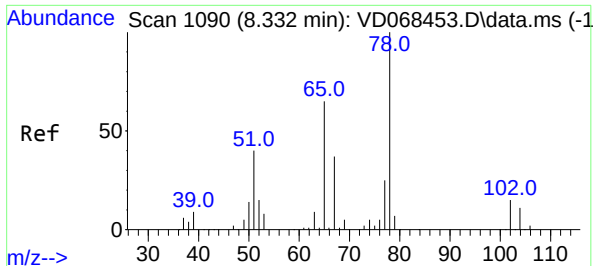
Tgt Ion: 76 Resp: 15720
Ion Ratio Lower Upper
76 100
78 7.2 7.3 10.9#



#25
2-Butanone
Concen: 6.11 ug/l
RT: 7.220 min Scan# 901
Delta R.T. 0.006 min
Lab File: VD068587.D
Acq: 11 Mar 2021 16:09

Tgt Ion: 43 Resp: 4145
Ion Ratio Lower Upper
43 100
72 33.5 25.1 37.7

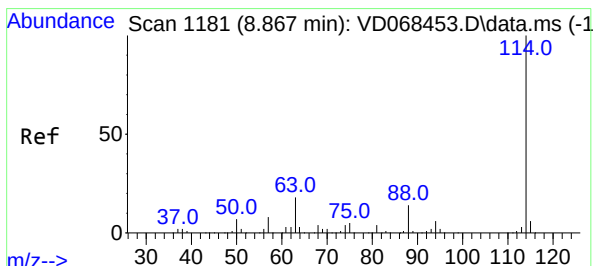
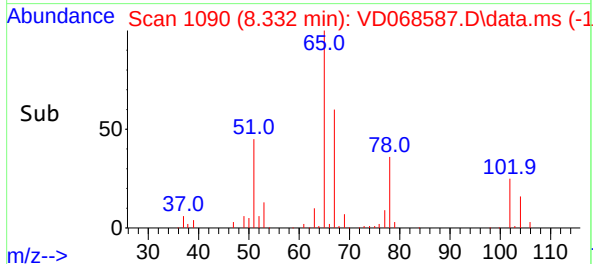
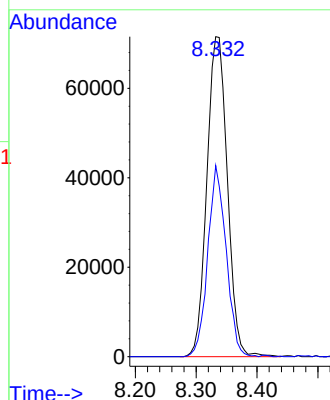
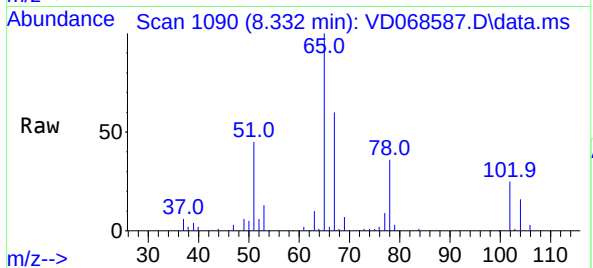




#33
1,2-Dichloroethane-d4
Concen: 56.23 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.001 min
Lab File: VD068587.D
Acq: 11 Mar 2021 16:09

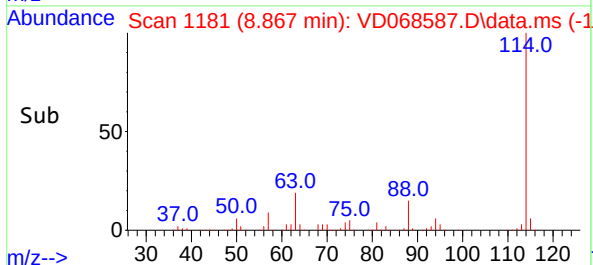
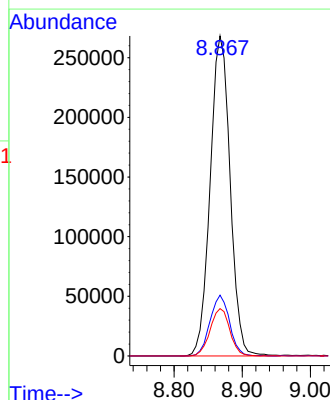
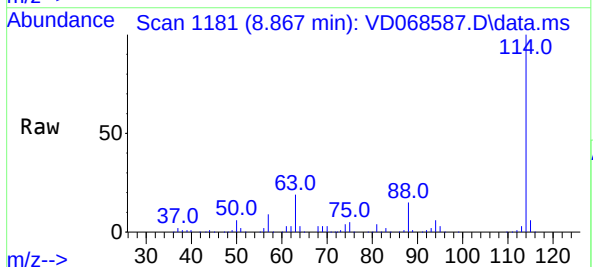
Instrument :
MSVOA_D
ClientSampled :
TP-20-A

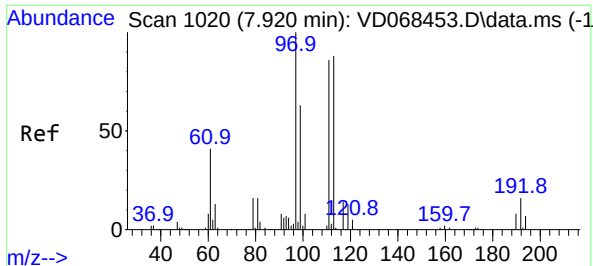
Tgt Ion: 65 Resp: 166977
Ion Ratio Lower Upper
65 100
67 53.6 0.0 105.0



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. 0.001 min
Lab File: VD068587.D
Acq: 11 Mar 2021 16:09

Tgt Ion: 114 Resp: 546554
Ion Ratio Lower Upper
114 100
63 19.0 0.0 34.8
88 14.8 0.0 31.6

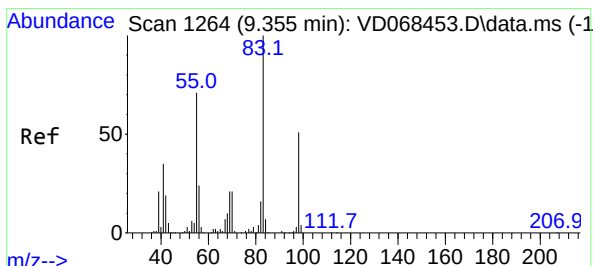
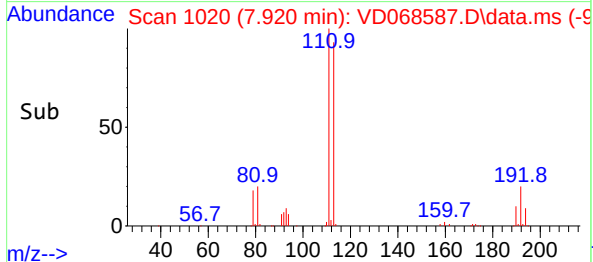
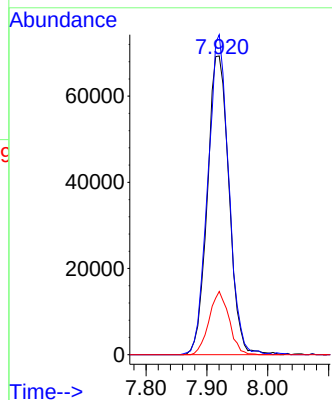
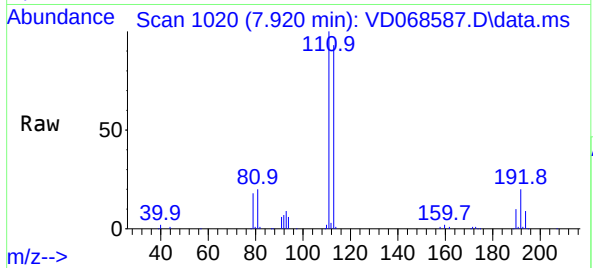




#35
Dibromofluoromethane
Concen: 52.05 ug/l
RT: 7.920 min Scan# 1020
Delta R.T. 0.000 min
Lab File: VD068587.D
Acq: 11 Mar 2021 16:09

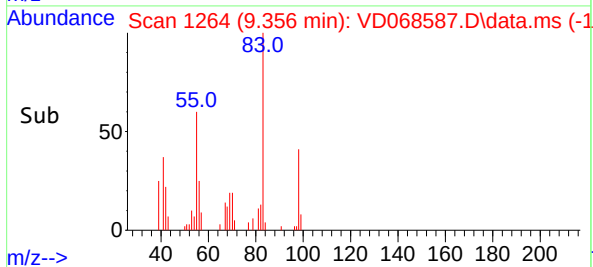
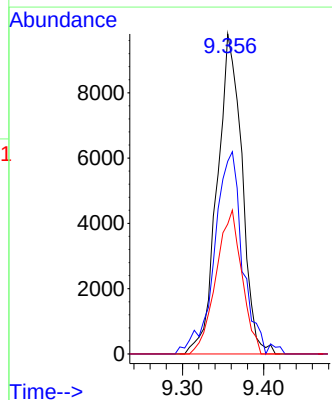
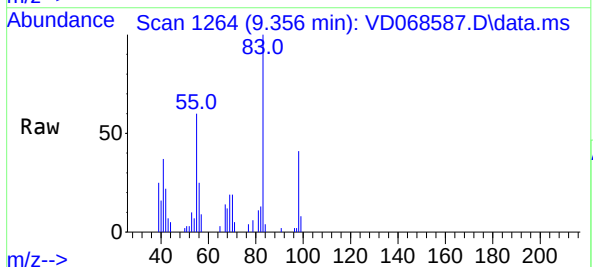
Instrument :
MSVOA_D
ClientSampled :
TP-20-A

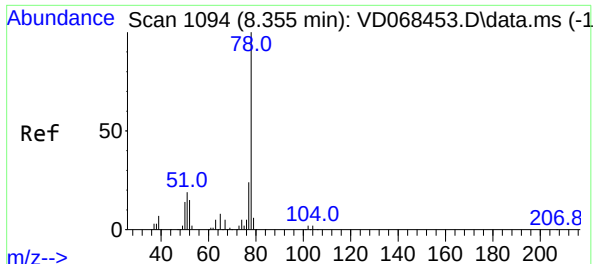
Tgt Ion:113 Resp: 171376
Ion Ratio Lower Upper
113 100
111 103.3 81.4 122.0
192 19.5 16.1 24.1



#39
Methylcyclohexane
Concen: 3.24 ug/l
RT: 9.356 min Scan# 1264
Delta R.T. 0.000 min
Lab File: VD068587.D
Acq: 11 Mar 2021 16:09

Tgt Ion: 83 Resp: 20751
Ion Ratio Lower Upper
83 100
55 58.0 55.2 82.8
98 40.6 39.1 58.7





#40

Benzene

Concen: 11.65 ug/l

RT: 8.356 min Scan# 1094

Delta R.T. 0.000 min

Lab File: VD068587.D

Acq: 11 Mar 2021 16:09

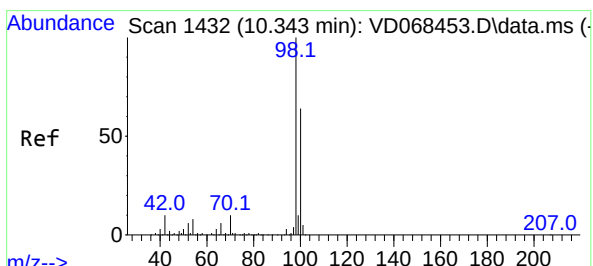
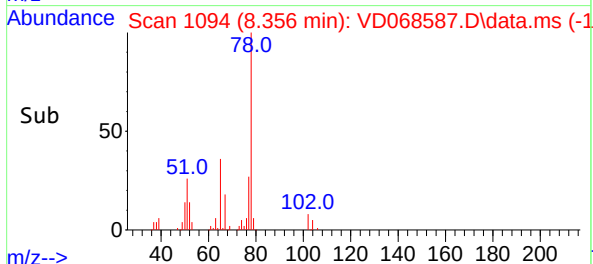
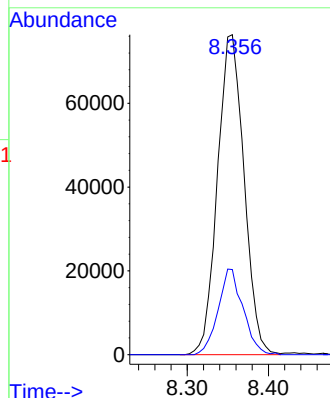
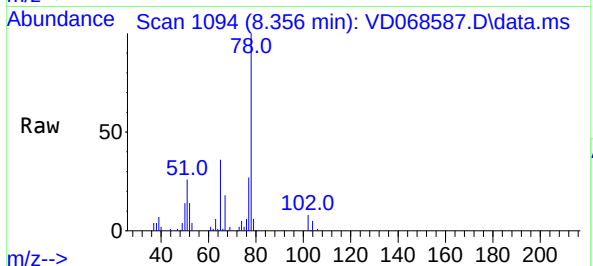
Instrument :
MSVOA_D
ClientSampled :
TP-20-A

Tgt Ion: 78 Resp: 173587

Ion Ratio Lower Upper

78 100

77 26.6 17.8 26.6



#50

Toluene-d8

Concen: 52.04 ug/l

RT: 10.344 min Scan# 1432

Delta R.T. 0.000 min

Lab File: VD068587.D

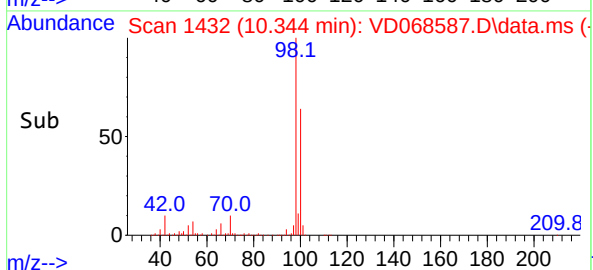
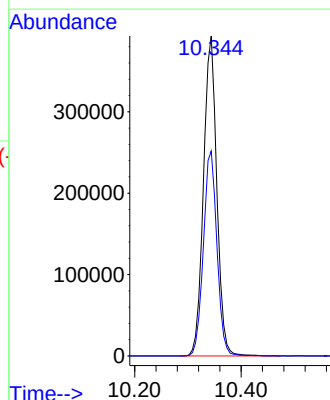
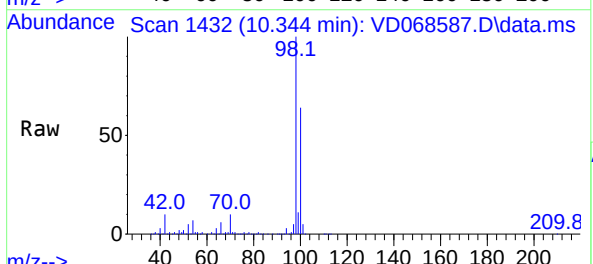
Acq: 11 Mar 2021 16:09

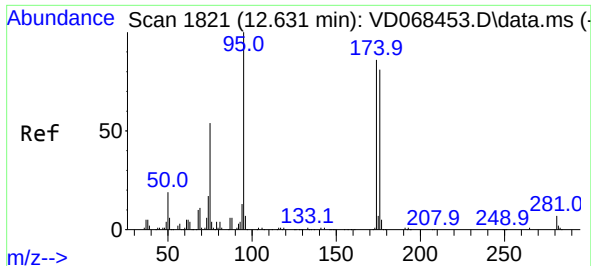
Tgt Ion: 98 Resp: 682510

Ion Ratio Lower Upper

98 100

100 65.1 53.0 79.4



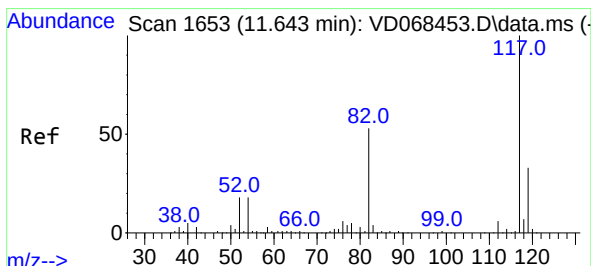
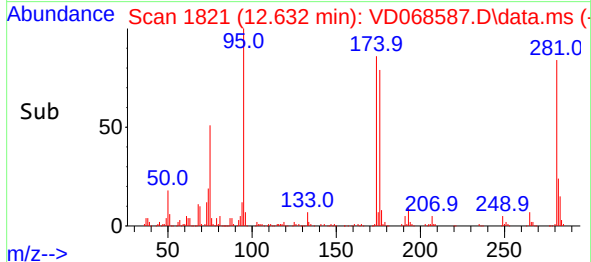
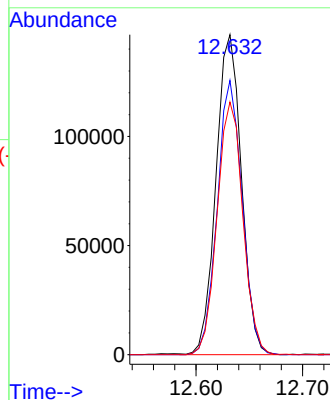
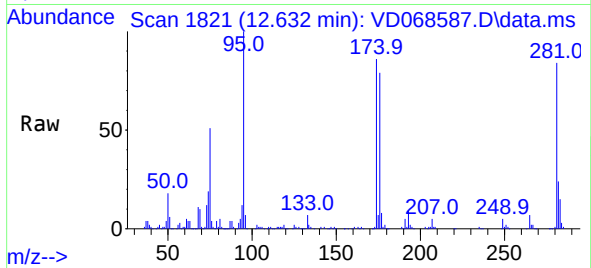


#62
4-Bromofluorobenzene
Concen: 57.44 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.000 min
Lab File: VD068587.D
Acq: 11 Mar 2021 16:09

Instrument :
MSVOA_D
ClientSampleId :
TP-20-A

Tgt Ion: 95 Resp: 242786

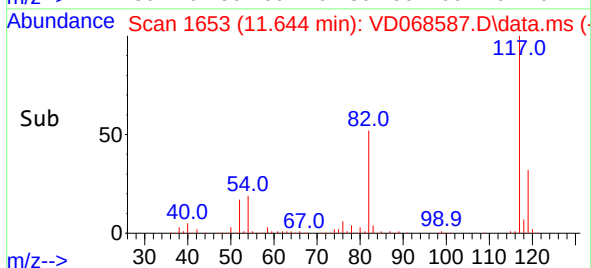
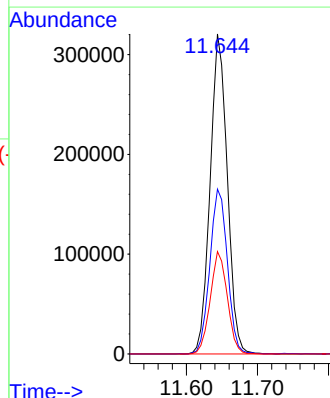
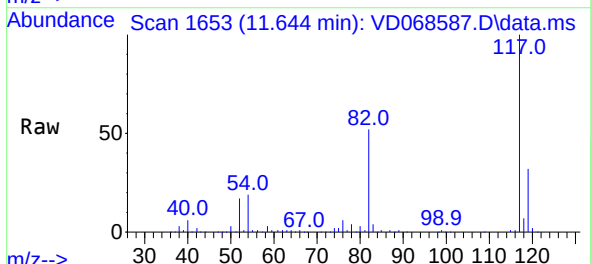
Ion	Ratio	Lower	Upper
95	100		
174	84.2	0.0	172.4
176	80.1	0.0	168.4

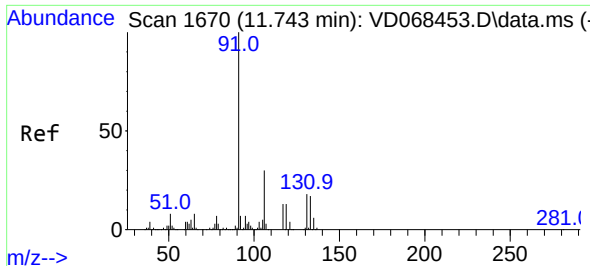


#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.644 min Scan# 1653
Delta R.T. 0.000 min
Lab File: VD068587.D
Acq: 11 Mar 2021 16:09

Tgt Ion: 117 Resp: 537685

Ion	Ratio	Lower	Upper
117	100		
82	51.4	41.4	62.0
119	32.0	26.1	39.1

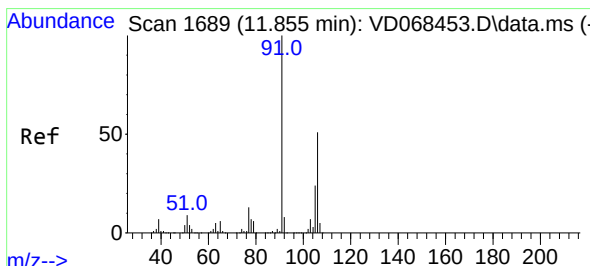
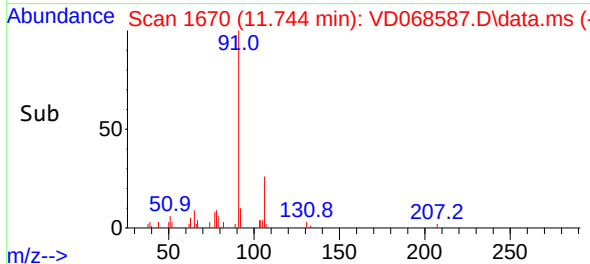
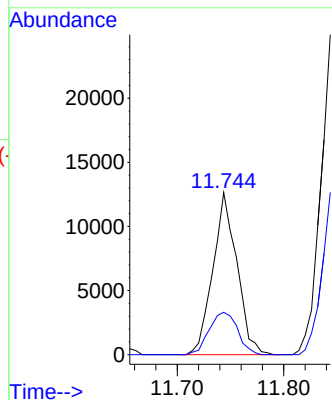
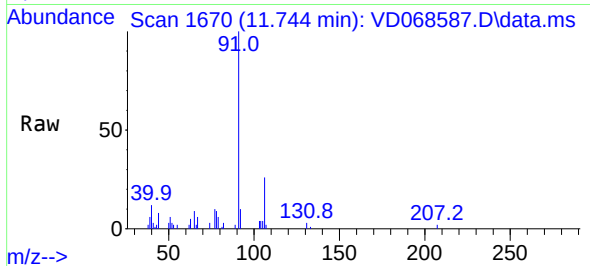




#67
Ethyl Benzene
Concen: 1.01 ug/l
RT: 11.744 min Scan# 1670
Delta R.T. 0.000 min
Lab File: VD068587.D
Acq: 11 Mar 2021 16:09

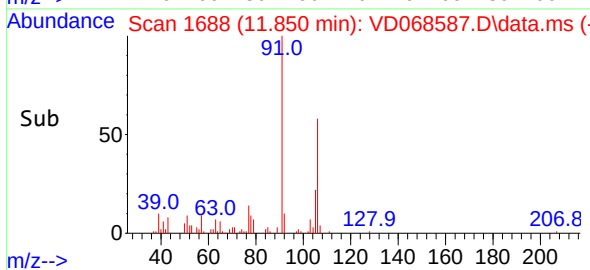
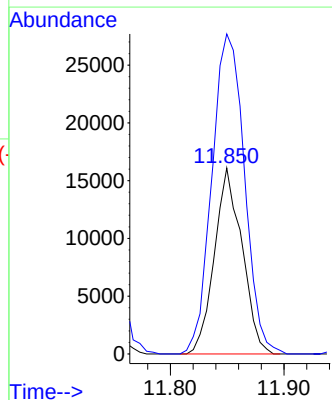
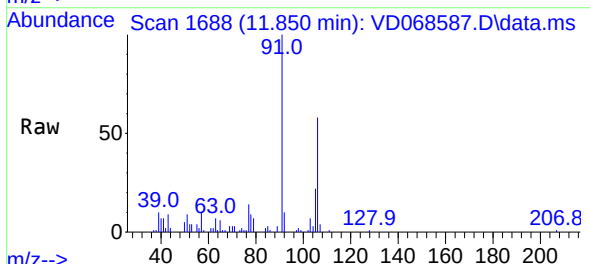
Instrument :
MSVOA_D
ClientSampled :
TP-20-A

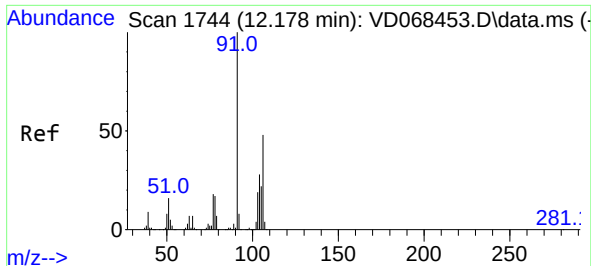
Tgt Ion: 91 Resp: 19814
Ion Ratio Lower Upper
91 100
106 26.1 25.9 38.9



#68
m/p-Xylenes
Concen: 3.66 ug/l
RT: 11.850 min Scan# 1688
Delta R.T. -0.005 min
Lab File: VD068587.D
Acq: 11 Mar 2021 16:09

Tgt Ion: 106 Resp: 27175
Ion Ratio Lower Upper
106 100
91 202.9 159.1 238.7

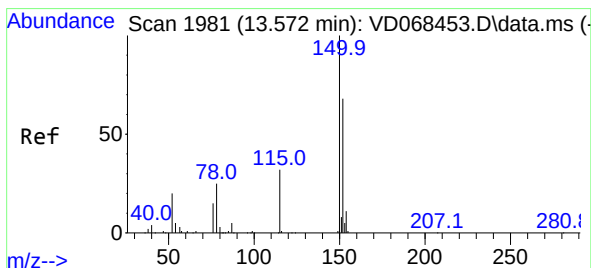
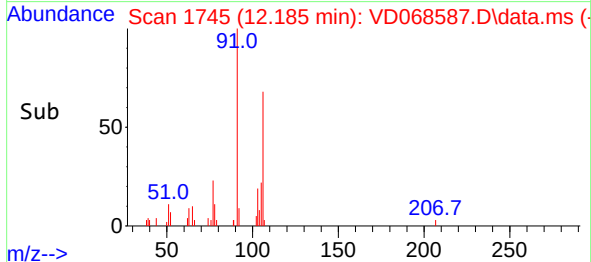
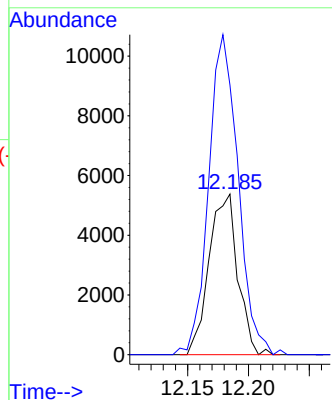
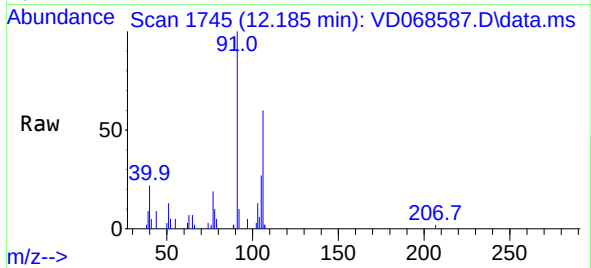




#69
o-Xylene
Concen: 1.29 ug/l
RT: 12.185 min Scan# 1745
Delta R.T. 0.006 min
Lab File: VD068587.D
Acq: 11 Mar 2021 16:09

Instrument :
MSVOA_D
ClientSampled :
TP-20-A

Tgt Ion:106 Resp: 8797
Ion Ratio Lower Upper
106 100
91 205.2 108.7 325.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.573 min Scan# 1981
Delta R.T. 0.001 min
Lab File: VD068587.D
Acq: 11 Mar 2021 16:09

Tgt Ion:152 Resp: 281446
Ion Ratio Lower Upper
152 100
115 57.5 28.9 86.8
150 159.6 0.0 344.4

