

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD042222\
 Data File : VD072695.D
 Acq On : 22 Apr 2022 15:42
 Operator : VA/SY
 Sample : N2480-07
 Misc : 4.91G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 WC-16-1A-2

Quant Time: Apr 22 23:46:23 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)

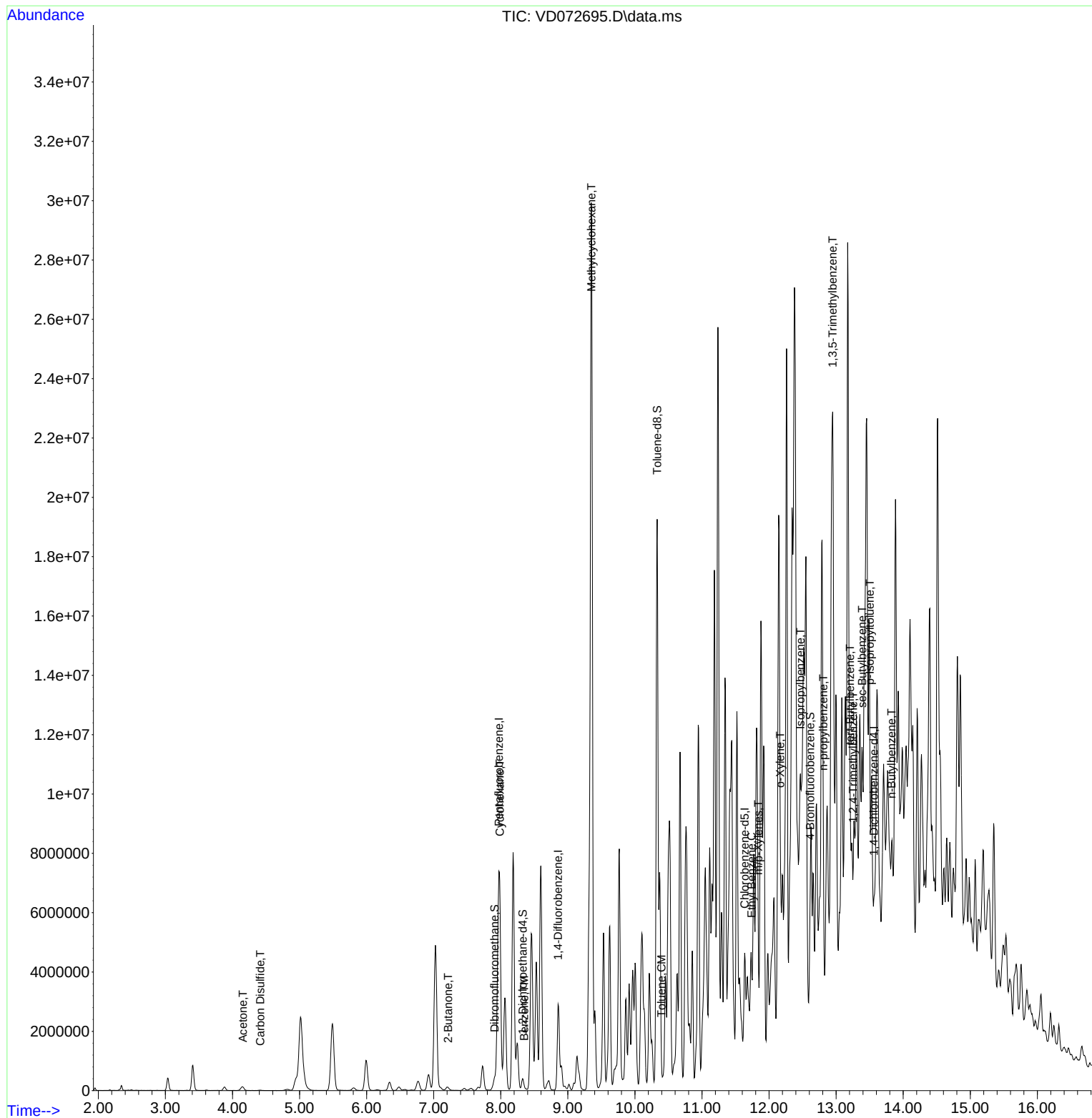
Internal Standards						
1) Pentafluorobenzene	7.973	168	559653	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	944891	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	750831	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	308500	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	288356	42.593	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	85.180%
35) Dibromofluoromethane	7.908	113	287790	39.192	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	78.380%
50) Toluene-d8	10.332	98	1944497	76.180	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	152.360%#
62) 4-Bromofluorobenzene	12.614	95	863663	86.637	ug/l	-0.01
Spiked Amount	50.000	Range	25 - 144	Recovery	=	173.280%#
Target Compounds						
					Qvalue	
16) Acetone	4.156	43	160152	126.863	ug/l	97
17) Carbon Disulfide	4.414	76	25740	5.819	ug/l	98
25) 2-Butanone	7.214	43	87490	50.111	ug/l	# 87
31) Cyclohexane	7.985	56	4116156	464.978	ug/l	89
39) Methylcyclohexane	9.349	83	13499284	1167.045	ug/l	96
40) Benzene	8.350	78	26656	1.039	ug/l	96
52) Toluene	10.396	92	21364	1.254	ug/l	# 65
67) Ethyl Benzene	11.738	91	35006	1.195	ug/l	# 86
68) m/p-Xylenes	11.838	106	53865	4.847	ug/l	77
69) o-Xylene	12.167	106	79696	7.433	ug/l	61
73) Isopropylbenzene	12.467	105	1696626	68.097	ug/l	99
78) n-propylbenzene	12.808	91	1827208	60.793	ug/l	99
80) 1,3,5-Trimethylbenzene	12.949	105	637997	29.899	ug/l	99
83) tert-Butylbenzene	13.208	119	255853	13.850	ug/l	89
84) 1,2,4-Trimethylbenzene	13.255	105	315114	15.102	ug/l	99
85) sec-Butylbenzene	13.390	105	1222835	43.947	ug/l	# 74
86) p-Isopropyltoluene	13.502	119	49701	2.185	ug/l	# 50
89) n-Butylbenzene	13.826	91	1146419	52.913	ug/l	# 77

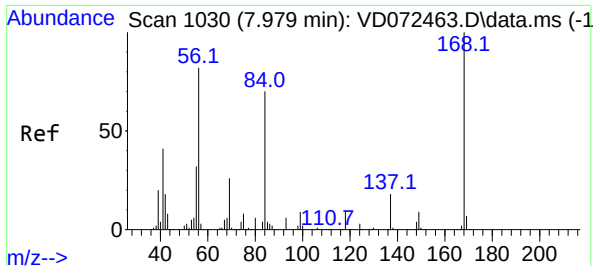
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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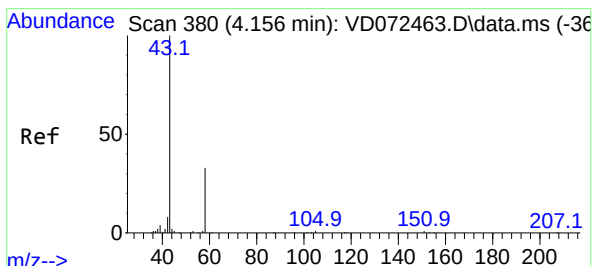
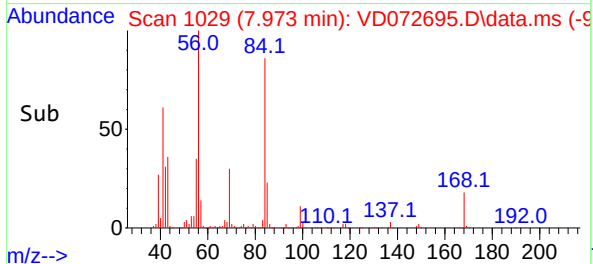
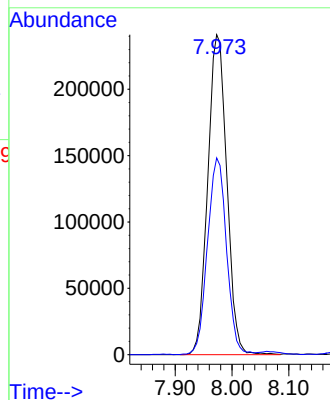
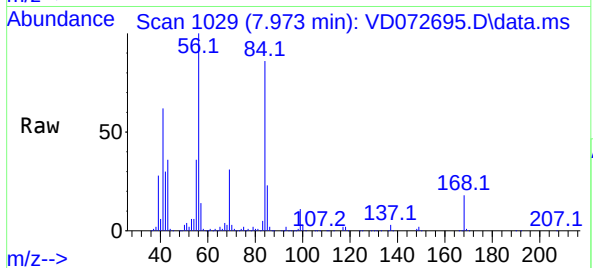




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD072695.D
Acq: 22 Apr 2022 15:42

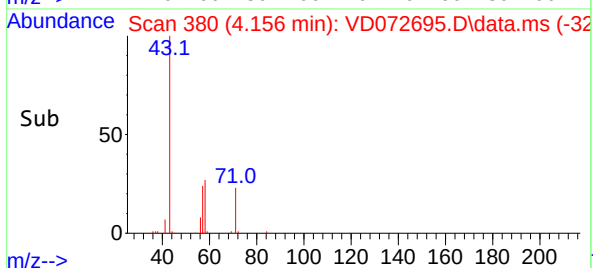
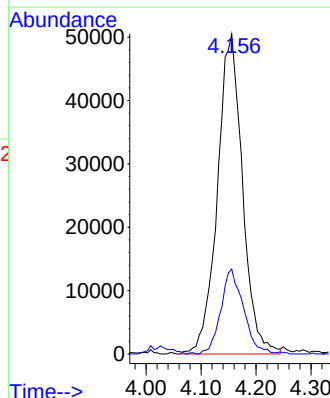
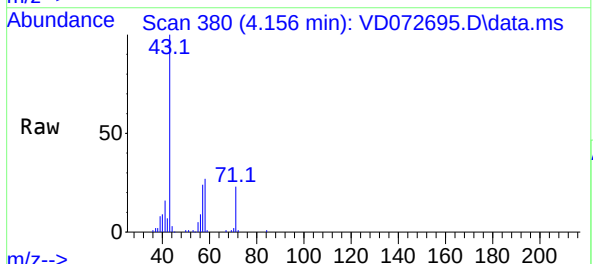
Instrument :
MSVOA_D
ClientSampleId :
WC-16-1A-2

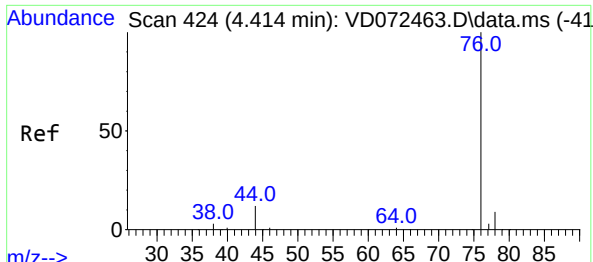
Tgt Ion:168 Resp: 559653
Ion Ratio Lower Upper
168 100
99 61.4 49.8 74.6



#16
Acetone
Concen: 126.863 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.000 min
Lab File: VD072695.D
Acq: 22 Apr 2022 15:42

Tgt Ion: 43 Resp: 160152
Ion Ratio Lower Upper
43 100
58 25.9 22.1 33.1

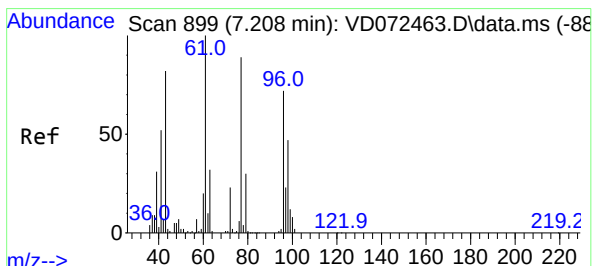
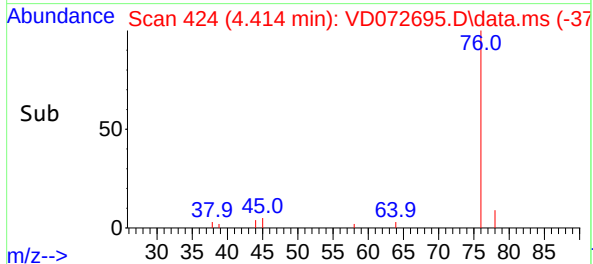
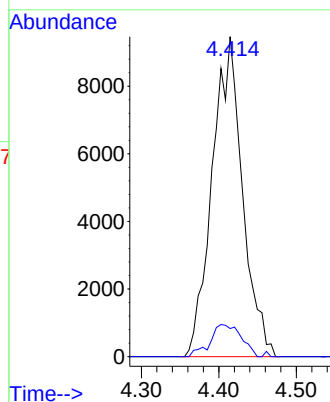
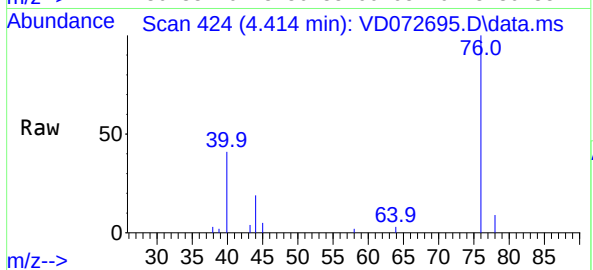




#17
Carbon Disulfide
Concen: 5.819 ug/l
RT: 4.414 min Scan# 41
Delta R.T. 0.000 min
Lab File: VD072695.D
Acq: 22 Apr 2022 15:42

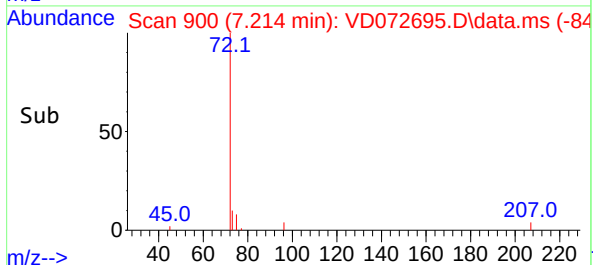
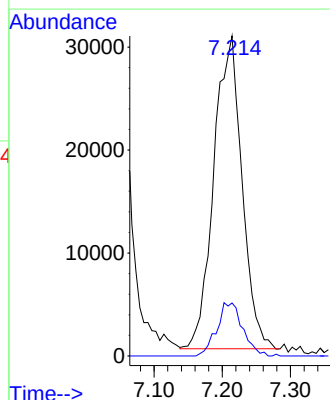
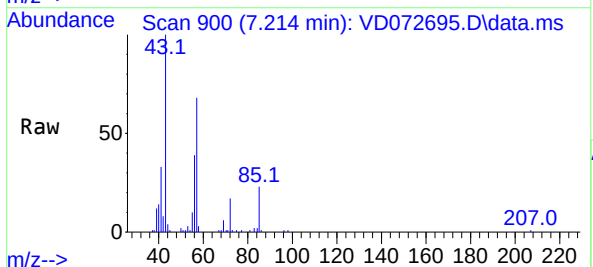
Instrument :
MSVOA_D
ClientSampleId :
WC-16-1A-2

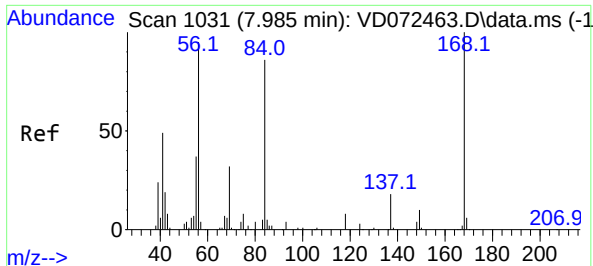
Tgt Ion: 76 Resp: 25740
Ion Ratio Lower Upper
76 100
78 8.8 7.5 11.3



#25
2-Butanone
Concen: 50.111 ug/l
RT: 7.214 min Scan# 900
Delta R.T. 0.006 min
Lab File: VD072695.D
Acq: 22 Apr 2022 15:42

Tgt Ion: 43 Resp: 87490
Ion Ratio Lower Upper
43 100
72 16.9 18.6 27.8#

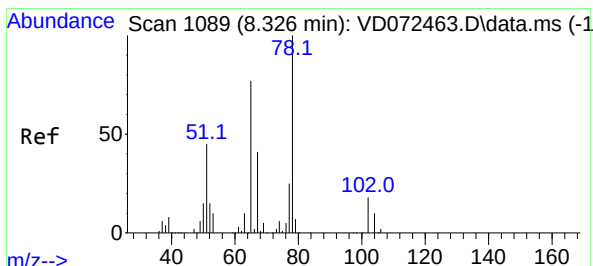
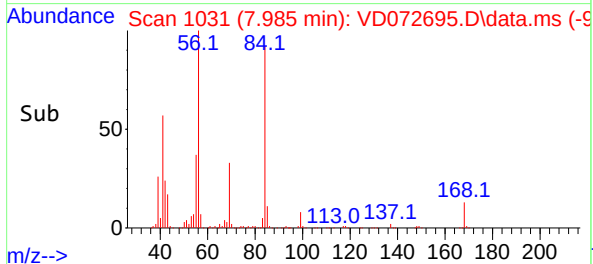
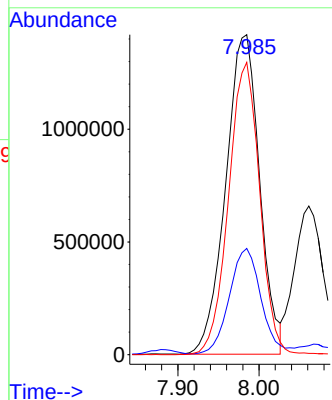
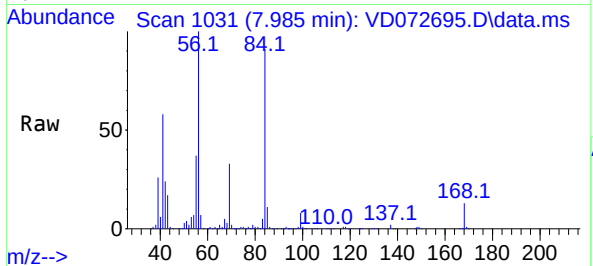




#31
Cyclohexane
Concen: 464.978 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.000 min
Lab File: VD072695.D
Acq: 22 Apr 2022 15:42

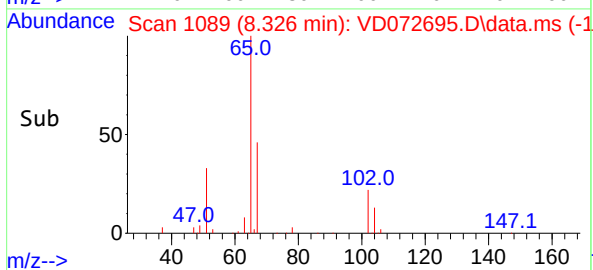
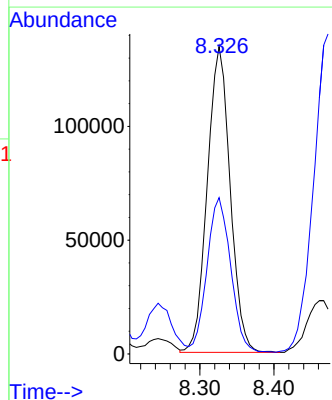
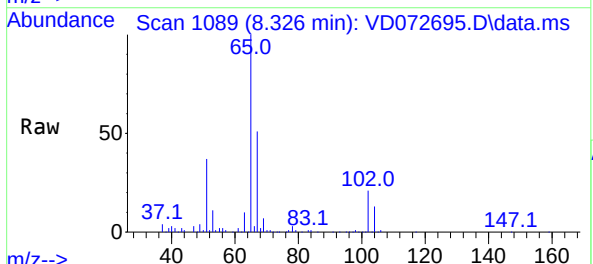
Instrument :
MSVOA_D
ClientSampleId :
WC-16-1A-2

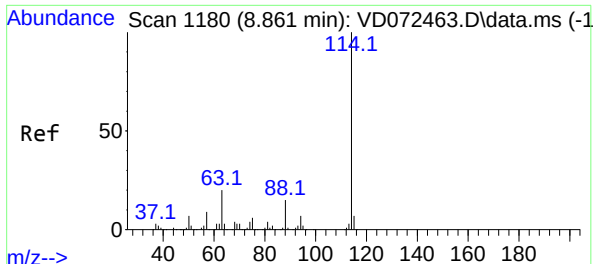
Tgt Ion: 56 Resp: 4116156
Ion Ratio Lower Upper
56 100
69 32.5 25.4 38.2
84 91.4 63.0 94.4



#33
1,2-Dichloroethane-d4
Concen: 42.593 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VD072695.D
Acq: 22 Apr 2022 15:42

Tgt Ion: 65 Resp: 288356
Ion Ratio Lower Upper
65 100
67 52.0 0.0 101.4



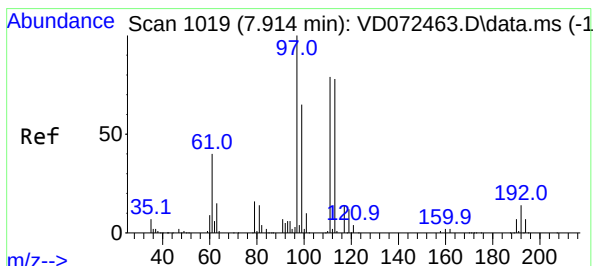
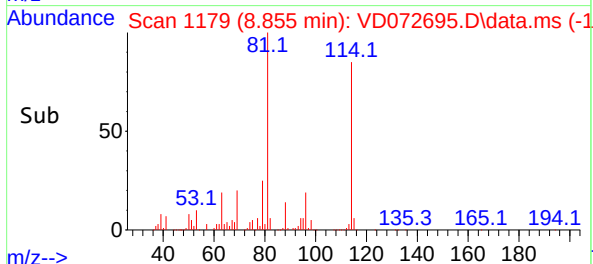
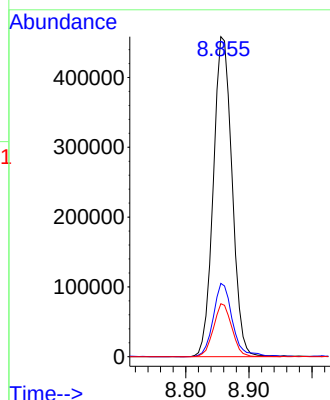
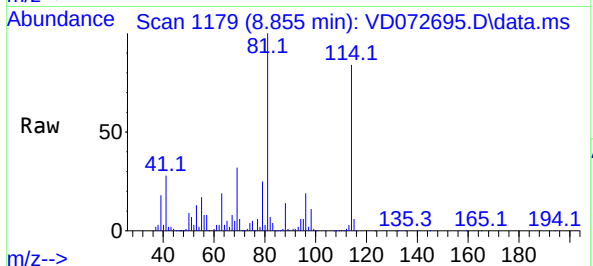


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.855 min Scan# 1180
Delta R.T. -0.006 min
Lab File: VD072695.D
Acq: 22 Apr 2022 15:42

Instrument :
MSVOA_D
ClientSampleId :
WC-16-1A-2

Tgt Ion:114 Resp: 944891

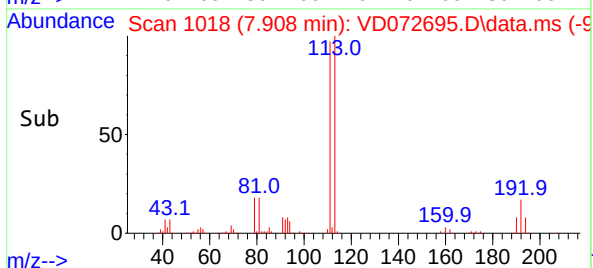
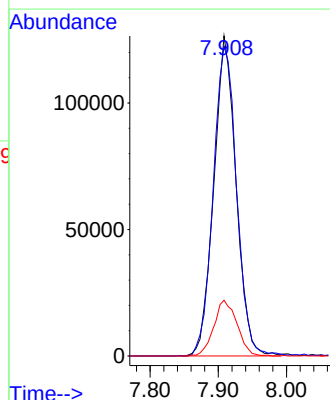
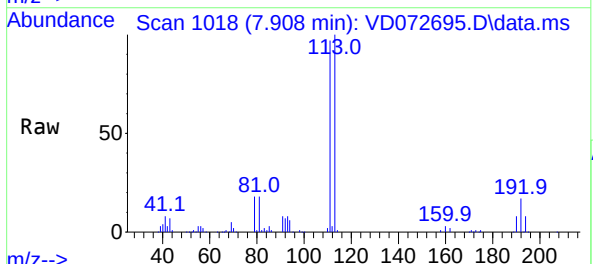
Ion	Ratio	Lower	Upper
114	100		
63	22.9	0.0	46.6
88	16.6	0.0	33.2

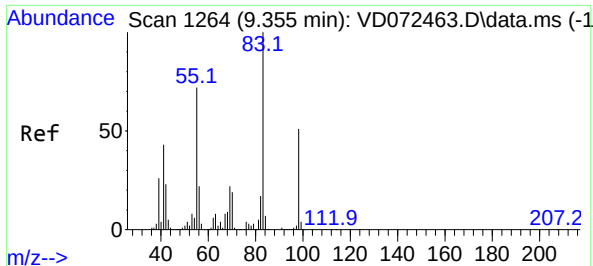


#35
Dibromofluoromethane
Concen: 39.192 ug/l
RT: 7.908 min Scan# 1018
Delta R.T. -0.006 min
Lab File: VD072695.D
Acq: 22 Apr 2022 15:42

Tgt Ion:113 Resp: 287790

Ion	Ratio	Lower	Upper
113	100		
111	101.8	83.8	125.6
192	18.1	14.6	21.8





#39

Methylcyclohexane

Concen: 1167.045 ug/l

RT: 9.349 min Scan# 1

Delta R.T. -0.006 min

Lab File: VD072695.D

Acq: 22 Apr 2022 15:42

Instrument :

MSVOA_D

ClientSampleId :

WC-16-1A-2

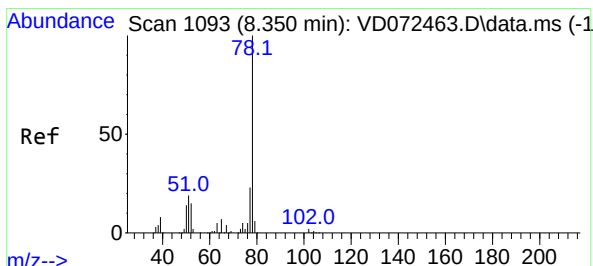
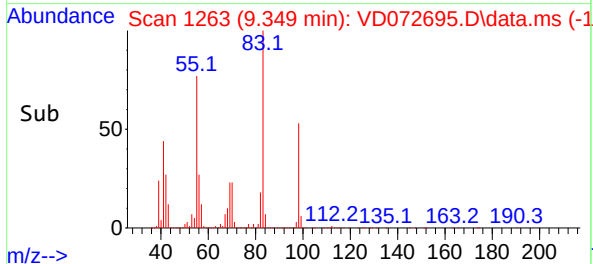
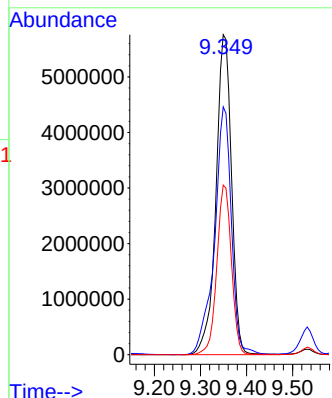
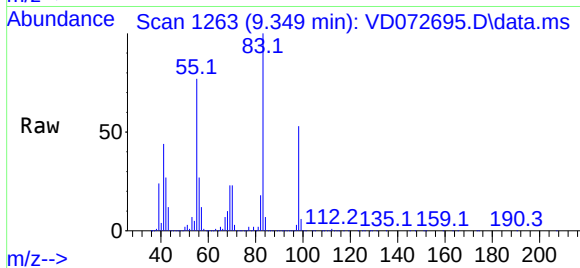
Tgt Ion: 83 Resp:13499284

Ion Ratio Lower Upper

83 100

55 77.5 63.2 94.8

98 53.0 38.2 57.4



#40

Benzene

Concen: 1.039 ug/l

RT: 8.350 min Scan# 1093

Delta R.T. -0.000 min

Lab File: VD072695.D

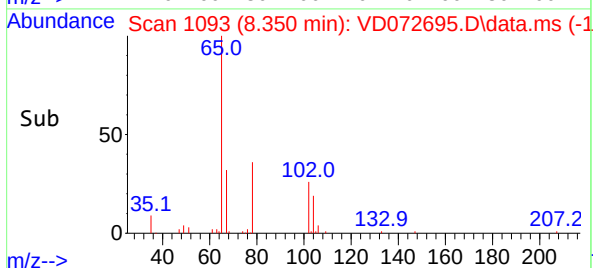
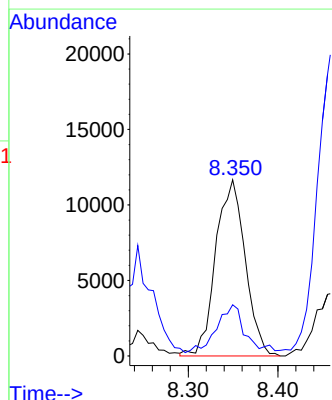
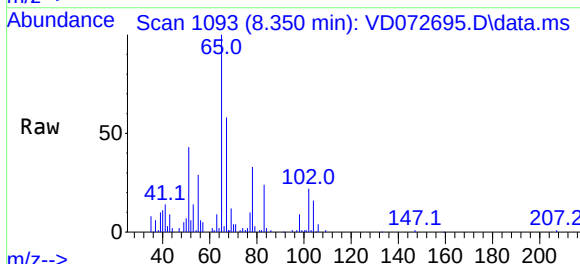
Acq: 22 Apr 2022 15:42

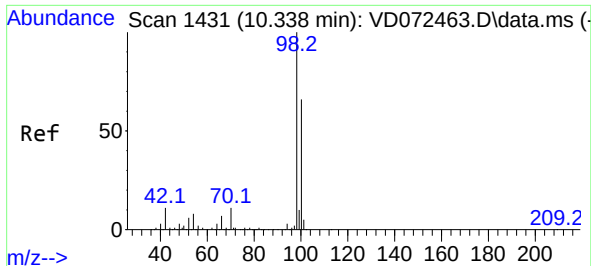
Tgt Ion: 78 Resp: 26656

Ion Ratio Lower Upper

78 100

77 25.9 19.1 28.7

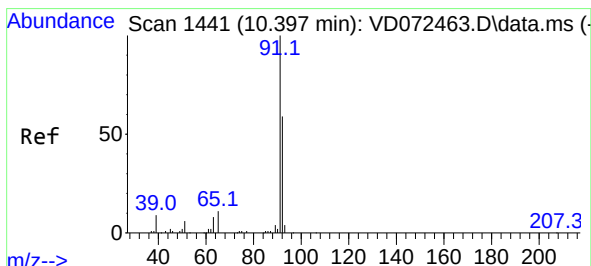
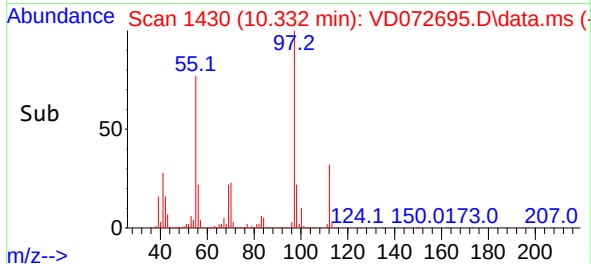
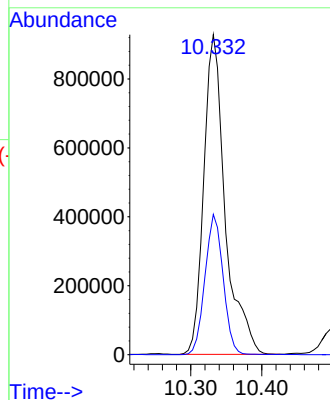
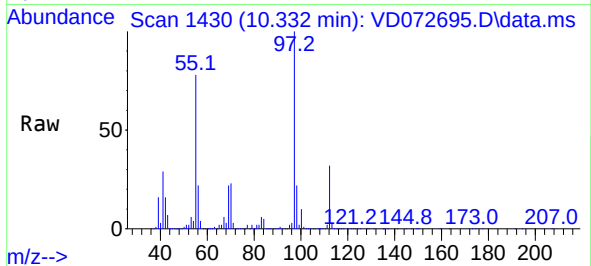




#50
Toluene-d8
Concen: 76.180 ug/l
RT: 10.332 min Scan# 1431
Delta R.T. -0.006 min
Lab File: VD072695.D
Acq: 22 Apr 2022 15:42

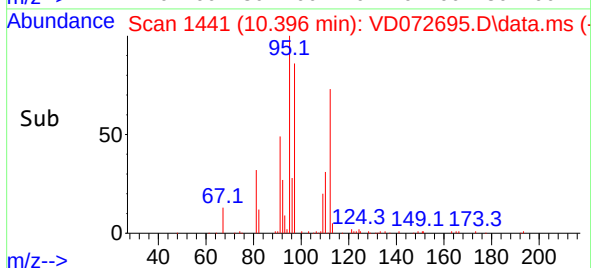
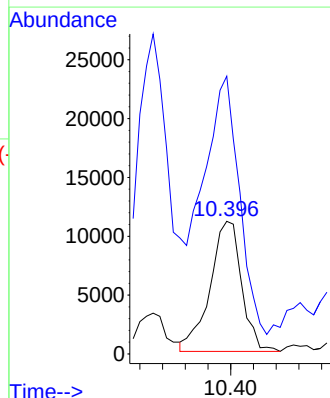
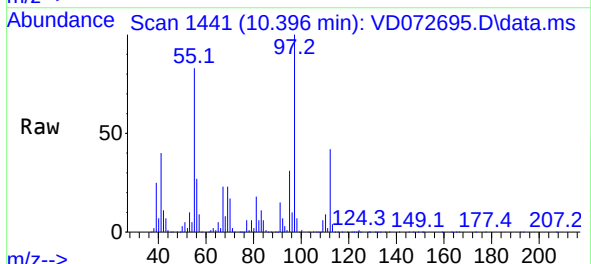
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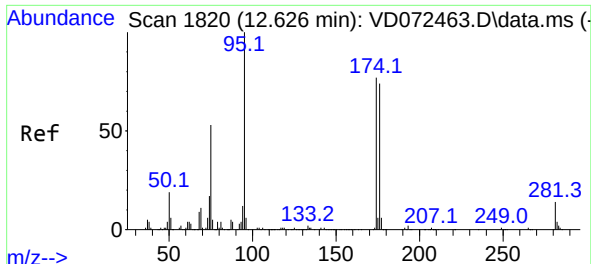
Tgt Ion: 98 Resp: 1944497
Ion Ratio Lower Upper
98 100
100 37.3 52.4 78.6#



#52
Toluene
Concen: 1.254 ug/l
RT: 10.396 min Scan# 1441
Delta R.T. -0.000 min
Lab File: VD072695.D
Acq: 22 Apr 2022 15:42

Tgt Ion: 92 Resp: 21364
Ion Ratio Lower Upper
92 100
91 222.9 139.6 209.4#

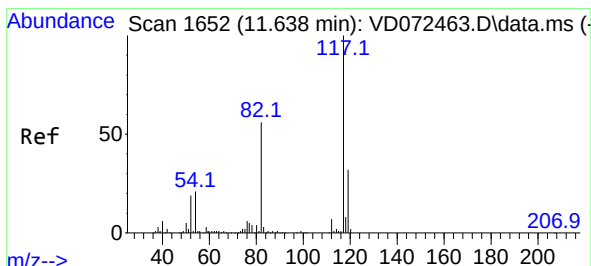
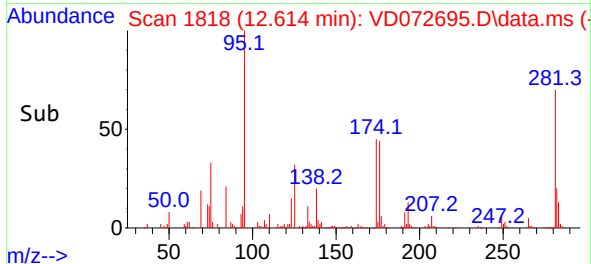
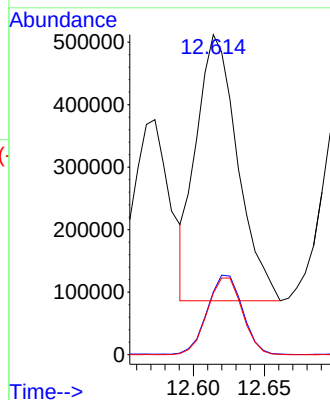
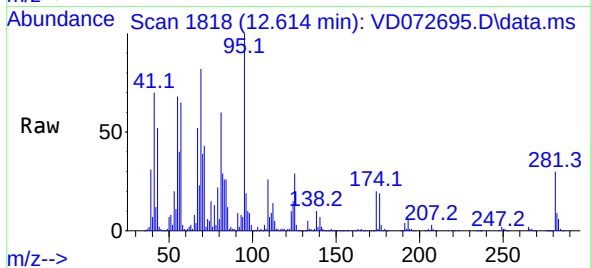




#62
4-Bromofluorobenzene
Concen: 86.637 ug/l
RT: 12.614 min Scan# 1818
Delta R.T. -0.012 min
Lab File: VD072695.D
Acq: 22 Apr 2022 15:42

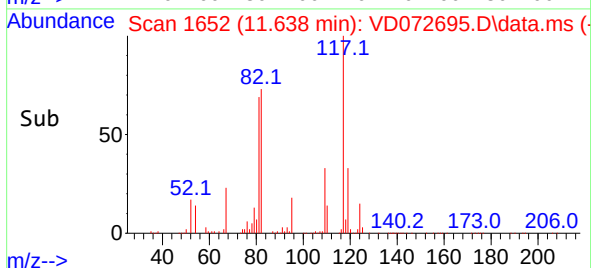
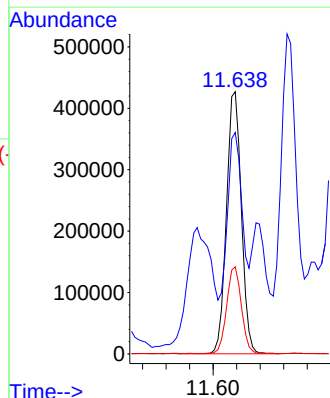
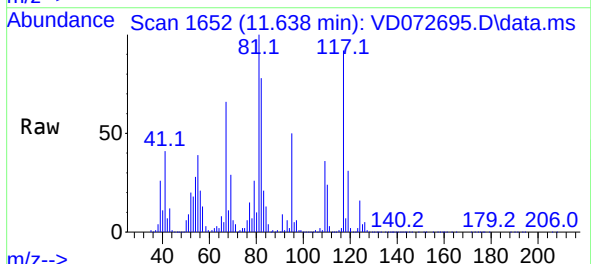
Instrument :
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WC-16-1A-2

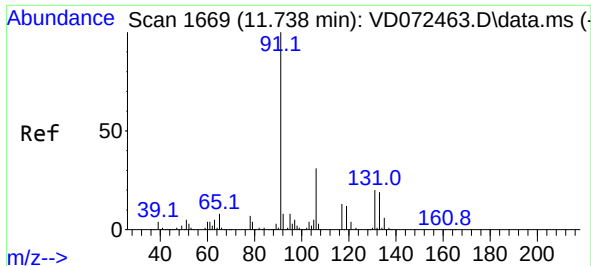
Tgt Ion: 95 Resp: 863663
Ion Ratio Lower Upper
95 100
174 25.5 0.0 152.8
176 24.5 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD072695.D
Acq: 22 Apr 2022 15:42

Tgt Ion: 117 Resp: 750831
Ion Ratio Lower Upper
117 100
82 74.5 45.3 67.9#
119 33.1 26.6 40.0

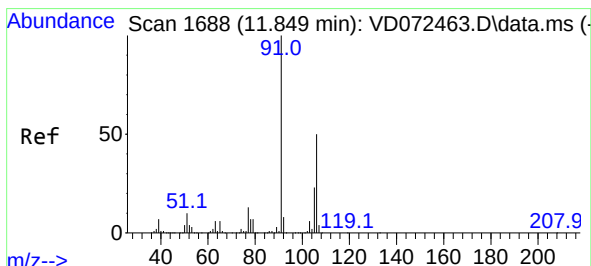
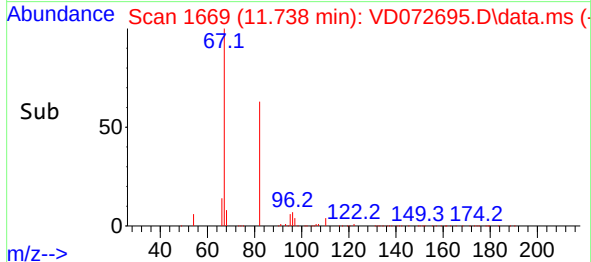
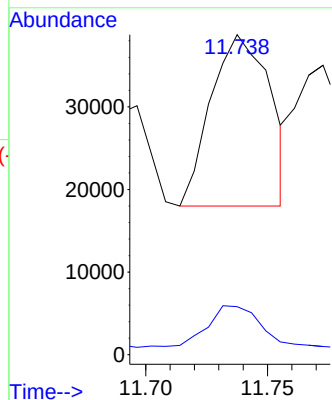
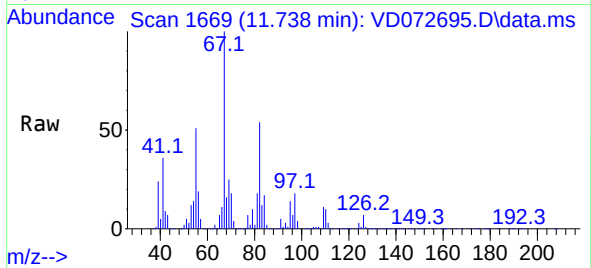




#67
Ethyl Benzene
Concen: 1.195 ug/l
RT: 11.738 min Scan# 1669
Delta R.T. -0.000 min
Lab File: VD072695.D
Acq: 22 Apr 2022 15:42

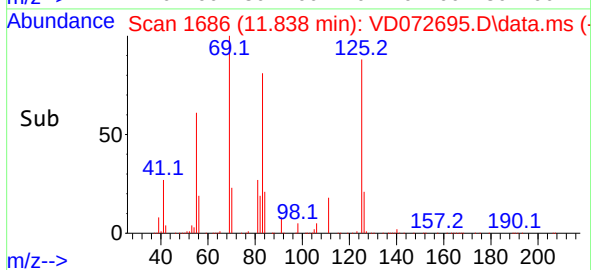
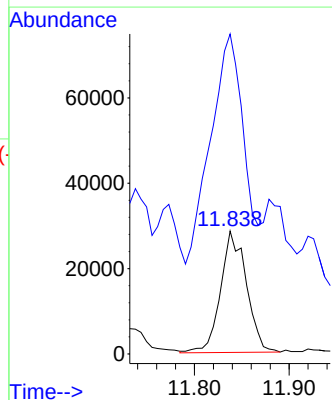
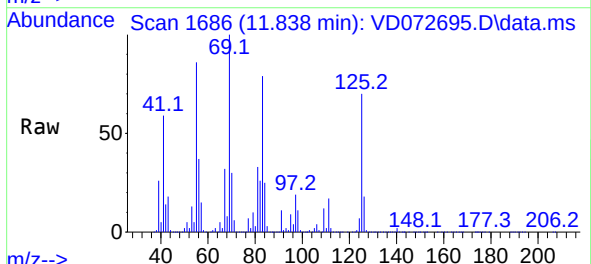
Instrument :
MSVOA_D
ClientSampleId :
WC-16-1A-2

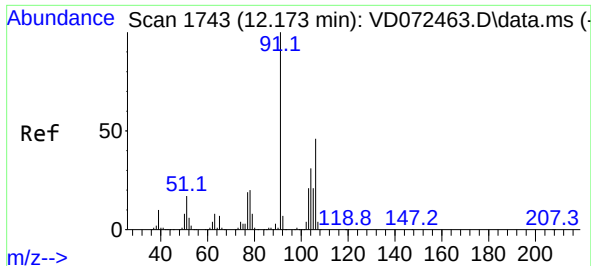
Tgt Ion: 91 Resp: 35006
Ion Ratio Lower Upper
91 100
106 22.5 24.2 36.4#



#68
m/p-Xylenes
Concen: 4.847 ug/l
RT: 11.838 min Scan# 1686
Delta R.T. -0.012 min
Lab File: VD072695.D
Acq: 22 Apr 2022 15:42

Tgt Ion: 106 Resp: 53865
Ion Ratio Lower Upper
106 100
91 239.9 163.7 245.5

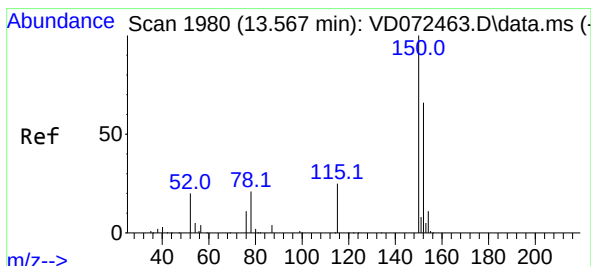
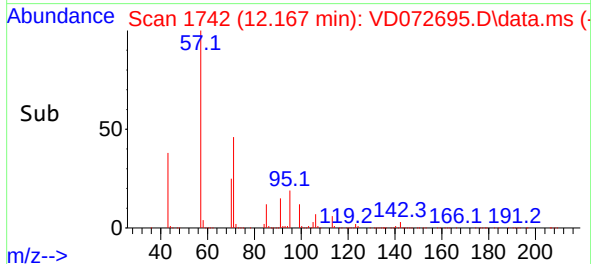
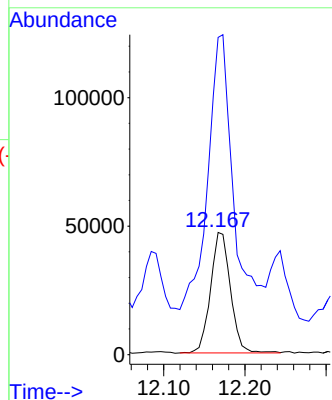
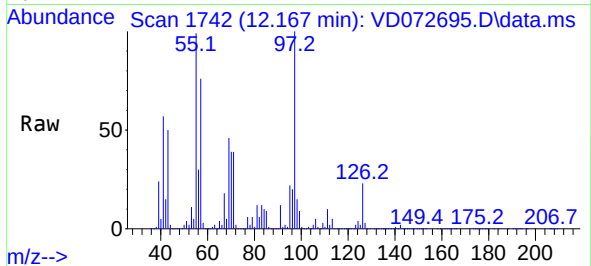




#69
o-Xylene
Concen: 7.433 ug/l
RT: 12.167 min Scan# 1
Delta R.T. -0.006 min
Lab File: VD072695.D
Acq: 22 Apr 2022 15:42

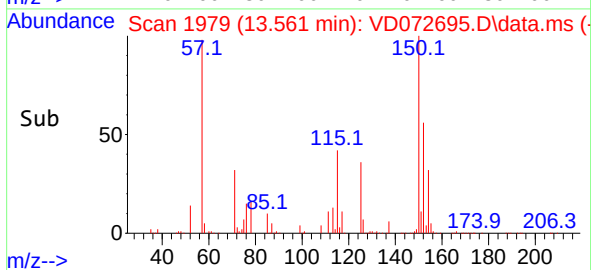
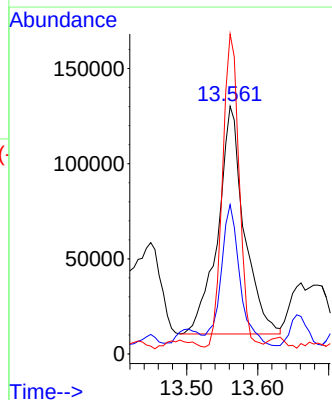
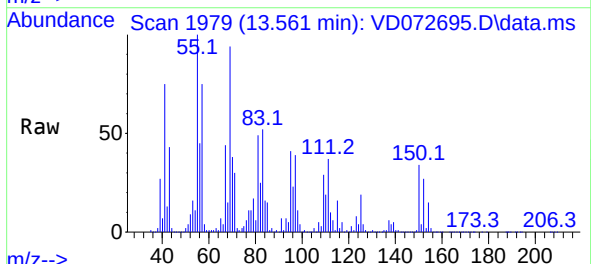
Instrument :
MSVOA_D
ClientSampleId :
WC-16-1A-2

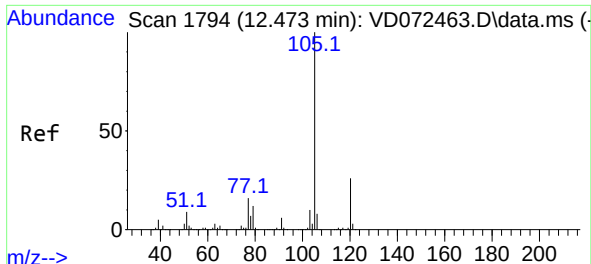
Tgt Ion:106 Resp: 79696
Ion Ratio Lower Upper
106 100
91 284.3 110.4 331.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. -0.006 min
Lab File: VD072695.D
Acq: 22 Apr 2022 15:42

Tgt Ion:152 Resp: 308500
Ion Ratio Lower Upper
152 100
115 44.2 31.3 93.8
150 87.4 0.0 348.6

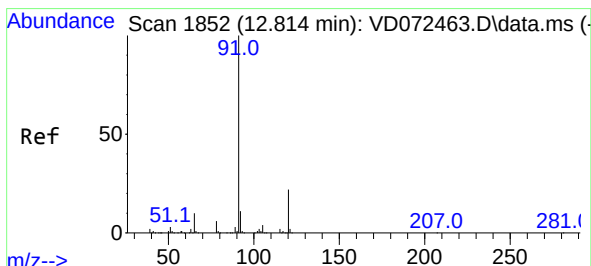
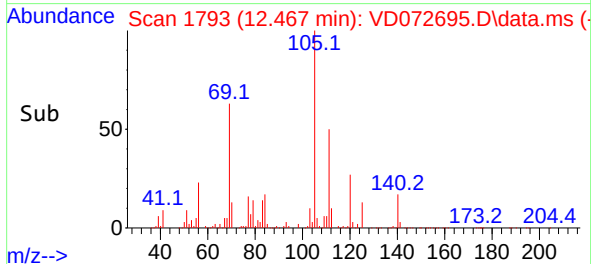
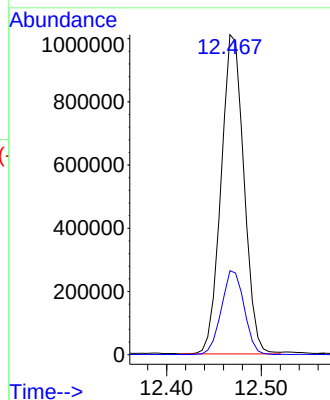
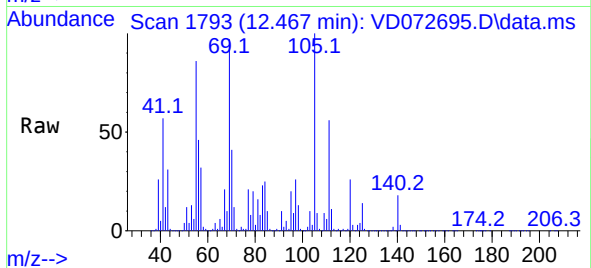




#73
Isopropylbenzene
Concen: 68.097 ug/l
RT: 12.467 min Scan# 11
Delta R.T. -0.006 min
Lab File: VD072695.D
Acq: 22 Apr 2022 15:42

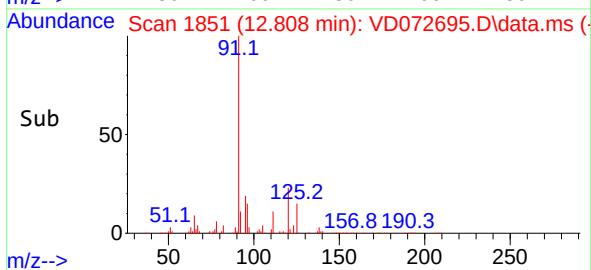
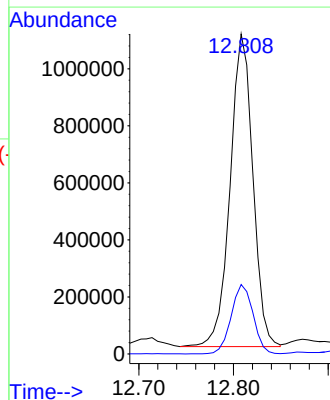
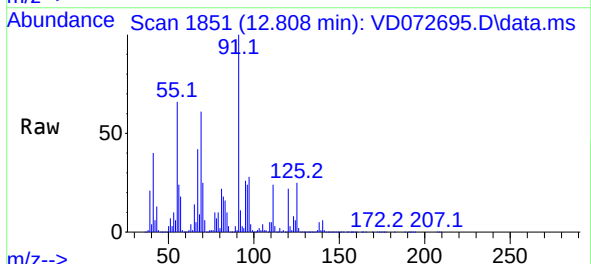
Instrument :
MSVOA_D
ClientSampleId :
WC-16-1A-2

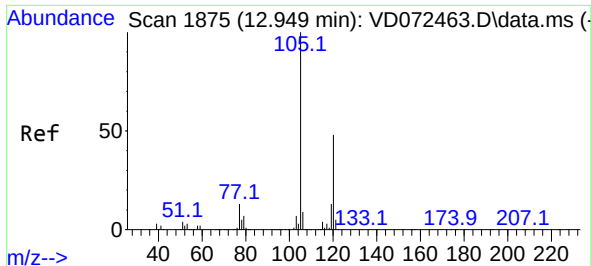
Tgt Ion:105 Resp: 1696626
Ion Ratio Lower Upper
105 100
120 26.2 13.0 38.9



#78
n-propylbenzene
Concen: 60.793 ug/l
RT: 12.808 min Scan# 1851
Delta R.T. -0.006 min
Lab File: VD072695.D
Acq: 22 Apr 2022 15:42

Tgt Ion: 91 Resp: 1827208
Ion Ratio Lower Upper
91 100
120 21.4 10.9 32.9

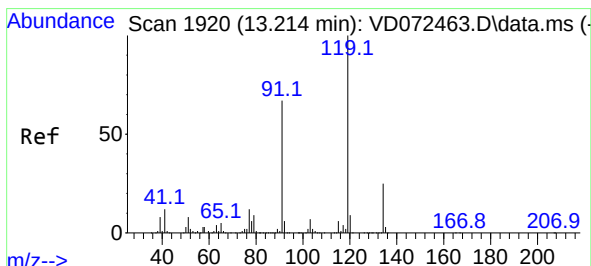
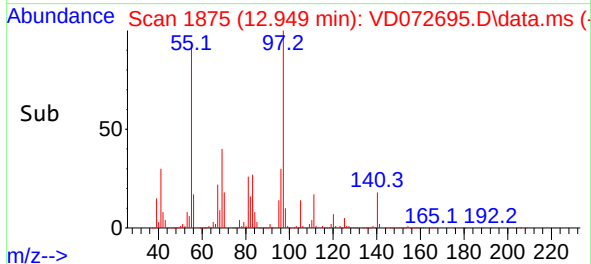
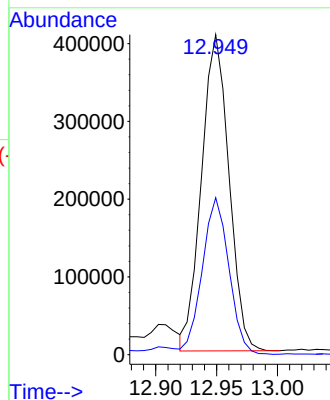
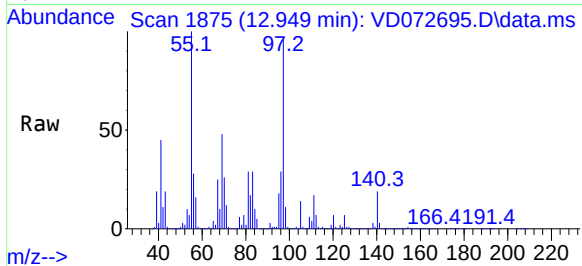




#80
1,3,5-Trimethylbenzene
Concen: 29.899 ug/l
RT: 12.949 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD072695.D
Acq: 22 Apr 2022 15:42

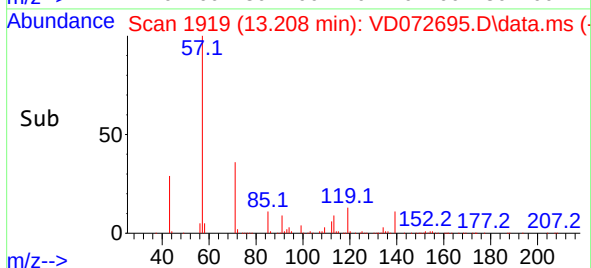
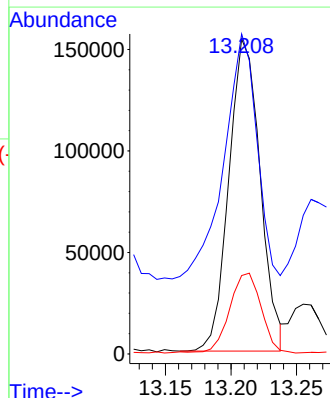
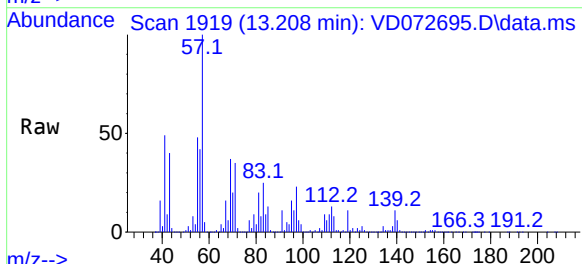
Instrument :
MSVOA_D
ClientSampleId :
WC-16-1A-2

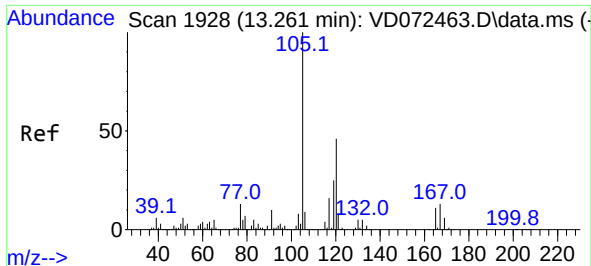
Tgt Ion:105 Resp: 637997
Ion Ratio Lower Upper
105 100
120 48.1 24.3 72.8



#83
tert-Butylbenzene
Concen: 13.850 ug/l
RT: 13.208 min Scan# 1919
Delta R.T. -0.006 min
Lab File: VD072695.D
Acq: 22 Apr 2022 15:42

Tgt Ion:119 Resp: 255853
Ion Ratio Lower Upper
119 100
91 81.9 34.8 104.5
134 25.8 13.3 39.9

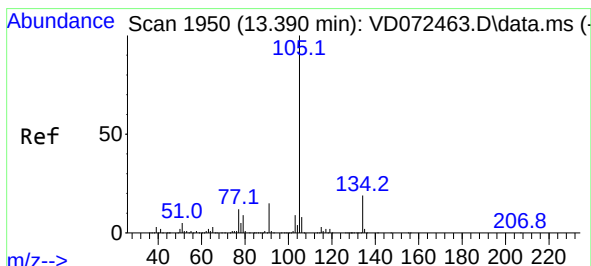
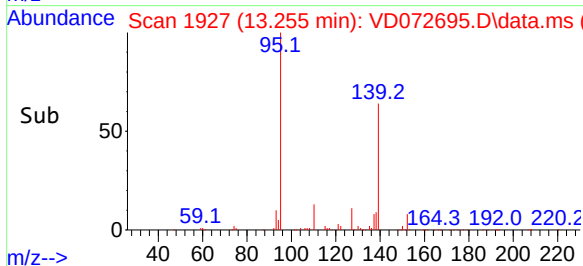
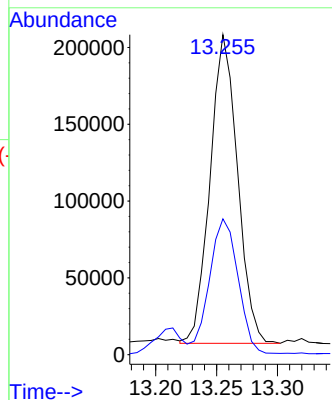
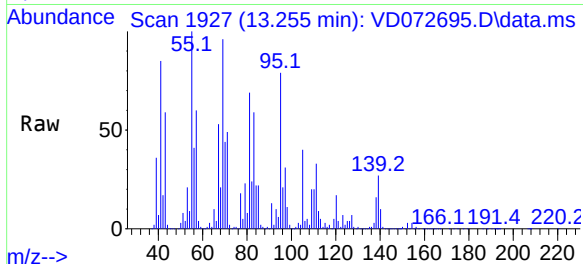




#84
1,2,4-Trimethylbenzene
Concen: 15.102 ug/l
RT: 13.255 min Scan# 1927
Delta R.T. -0.006 min
Lab File: VD072695.D
Acq: 22 Apr 2022 15:42

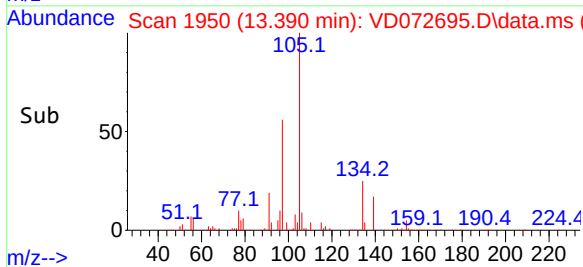
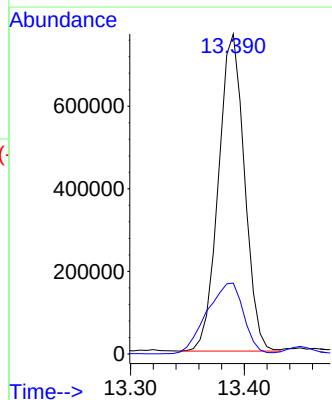
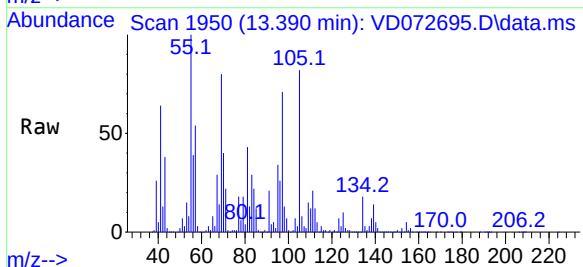
Instrument :
MSVOA_D
ClientSampleId :
WC-16-1A-2

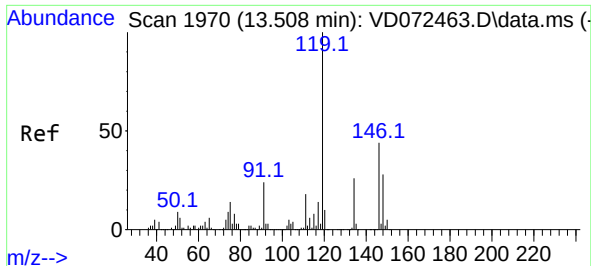
Tgt Ion:105 Resp: 315114
Ion Ratio Lower Upper
105 100
120 45.3 22.3 66.8



#85
sec-Butylbenzene
Concen: 43.947 ug/l
RT: 13.390 min Scan# 1950
Delta R.T. -0.000 min
Lab File: VD072695.D
Acq: 22 Apr 2022 15:42

Tgt Ion:105 Resp: 1222835
Ion Ratio Lower Upper
105 100
134 31.5 9.8 29.3#

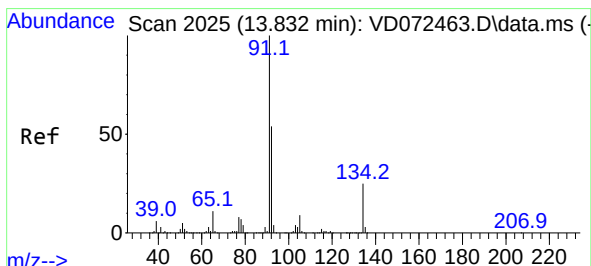
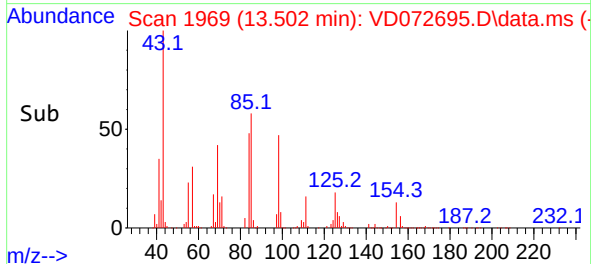
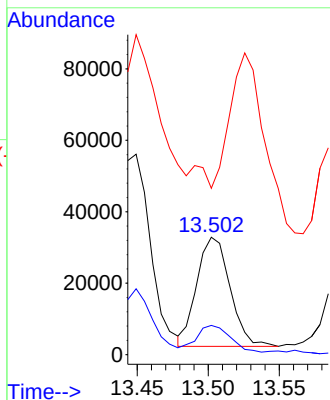
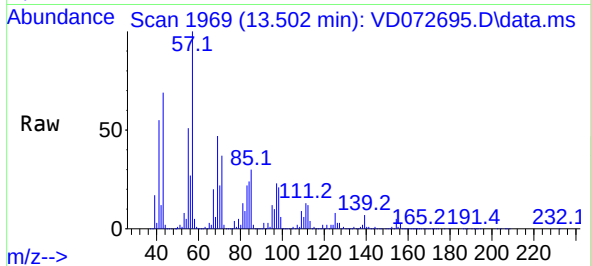




#86
p-Isopropyltoluene
Concen: 2.185 ug/l
RT: 13.502 min Scan# 1970
Delta R.T. -0.006 min
Lab File: VD072695.D
Acq: 22 Apr 2022 15:42

Instrument :
MSVOA_D
ClientSampleId :
WC-16-1A-2

Tgt Ion: 119 Resp: 49701
Ion Ratio Lower Upper
119 100
134 0.0 12.9 38.6#
91 0.0 12.1 36.3#



#89
n-Butylbenzene
Concen: 52.913 ug/l
RT: 13.826 min Scan# 2024
Delta R.T. -0.006 min
Lab File: VD072695.D
Acq: 22 Apr 2022 15:42

Tgt Ion: 91 Resp: 1146419
Ion Ratio Lower Upper
91 100
92 45.1 26.6 79.8
134 0.0 12.3 36.9#

