

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051622\
 Data File : VD073048.D
 Acq On : 16 May 2022 21:31
 Operator : VA/SY
 Sample : N2809-01
 Misc : 5.01G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 WC-14A-TP-5R

Quant Time: May 17 03:31:46 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050222S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 03 08:33:49 2022
 Response via : Initial Calibration

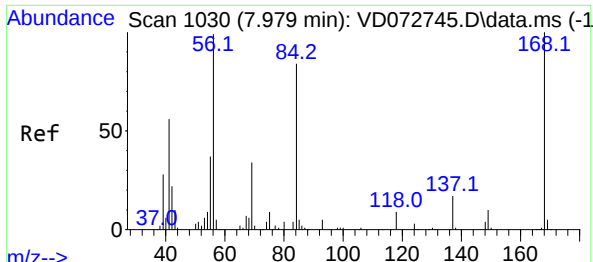
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.973	168	43190	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	75272	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	90569	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	48746	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	35146	62.689	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 125.380%	
35) Dibromofluoromethane	7.909	113	31030	58.697	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 117.400%	
50) Toluene-d8	10.332	98	103143	54.392	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 108.780%	
62) 4-Bromofluorobenzene	12.620	95	47389	67.021	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 134.040%	
Target Compounds						
					Qvalue	
16) Acetone	4.156	43	14611	132.696	ug/l #	77
31) Cyclohexane	7.973	56	12752	13.012	ug/l #	92
39) Methylcyclohexane	9.350	83	38986	39.101	ug/l	93
52) Toluene	10.391	92	2336	1.509	ug/l #	56
65) Chlorobenzene	11.661	112	2347	1.120	ug/l	93
67) Ethyl Benzene	11.732	91	19666	5.425	ug/l #	86
68) m/p-Xylenes	11.844	106	7617	5.454	ug/l #	73
69) o-Xylene	12.167	106	49380	37.862	ug/l	96
73) Isopropylbenzene	12.467	105	21369	5.634	ug/l	97
78) n-propylbenzene	12.808	91	25681	5.373	ug/l	96
80) 1,3,5-Trimethylbenzene	12.949	105	108852	33.849	ug/l	100
84) 1,2,4-Trimethylbenzene	13.255	105	76401	23.768	ug/l	95
85) sec-Butylbenzene	13.385	105	23305	5.652	ug/l	82
86) p-Isopropyltoluene	13.502	119	34541	10.217	ug/l	97
89) n-Butylbenzene	13.826	91	11541	3.524	ug/l #	78

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

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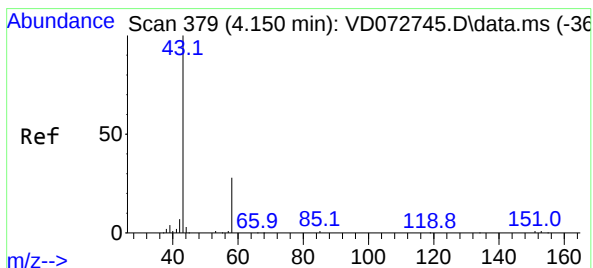
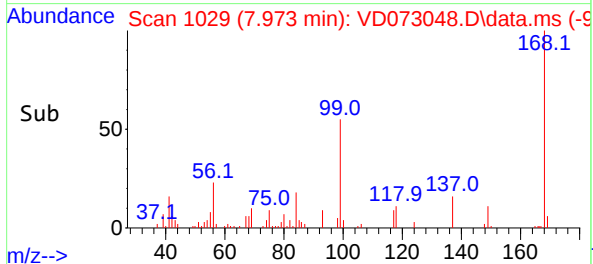
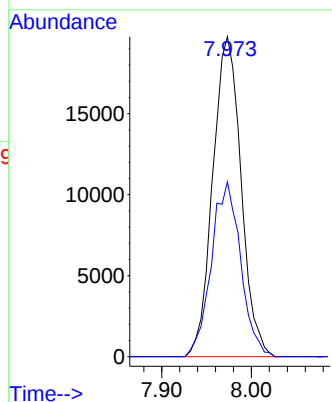
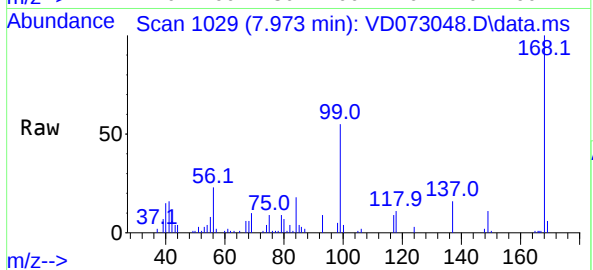




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD073048.D
Acq: 16 May 2022 21:31

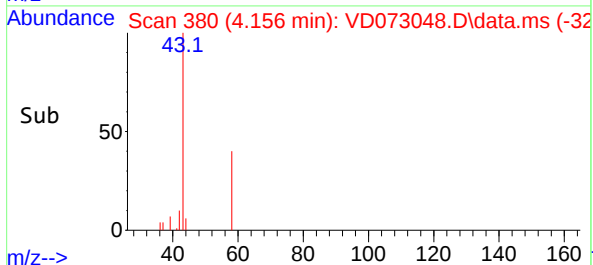
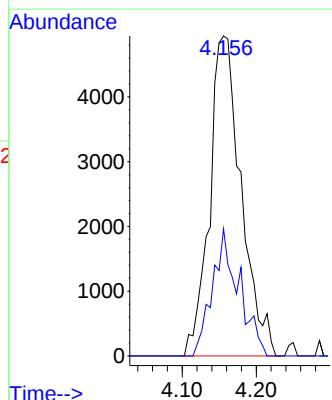
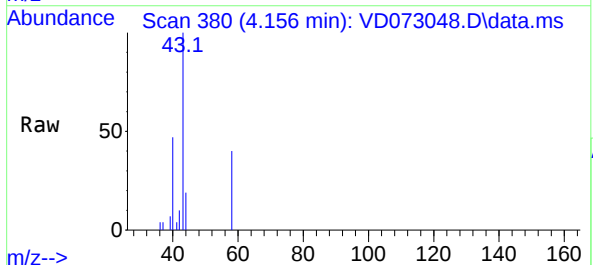
Instrument :
MSVOA_D
ClientSampleId :
WC-14A-TP-5R

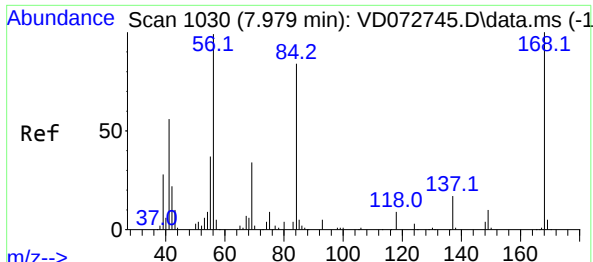
Tgt Ion:168 Resp: 43190
Ion Ratio Lower Upper
168 100
99 54.6 49.8 74.6



#16
Acetone
Concen: 132.696 ug/l
RT: 4.156 min Scan# 380
Delta R.T. 0.006 min
Lab File: VD073048.D
Acq: 16 May 2022 21:31

Tgt Ion: 43 Resp: 14611
Ion Ratio Lower Upper
43 100
58 39.7 22.1 33.1#

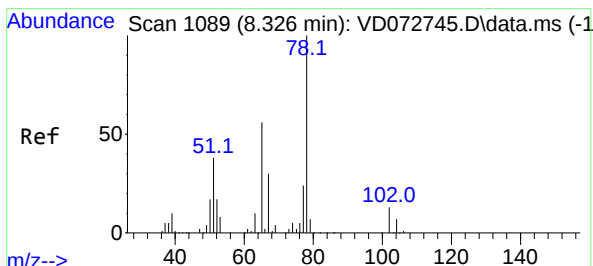
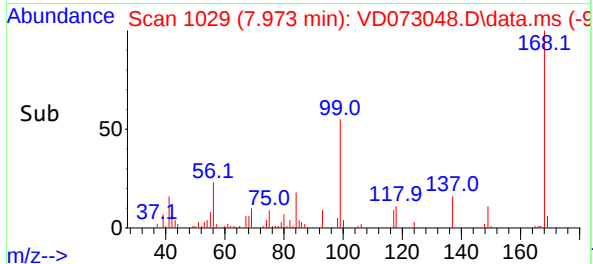
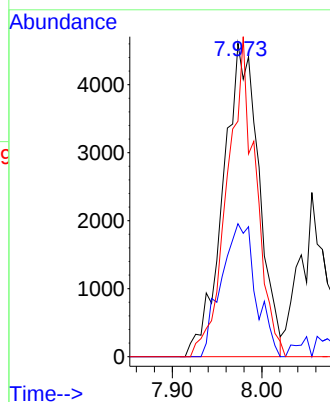
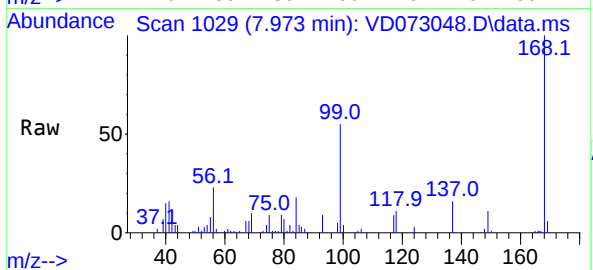




#31
Cyclohexane
Concen: 13.012 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.006 min
Lab File: VD073048.D
Acq: 16 May 2022 21:31

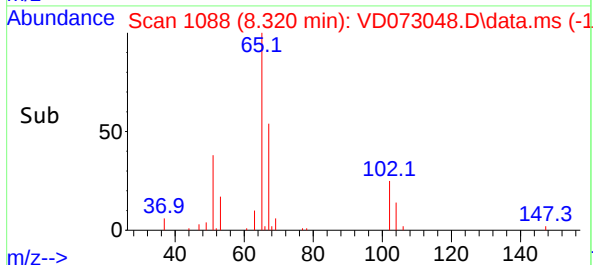
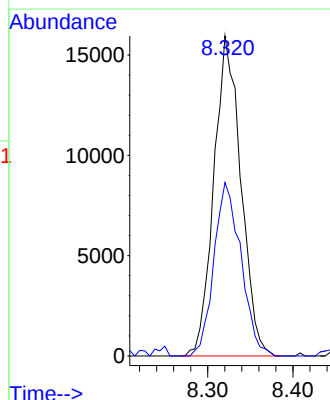
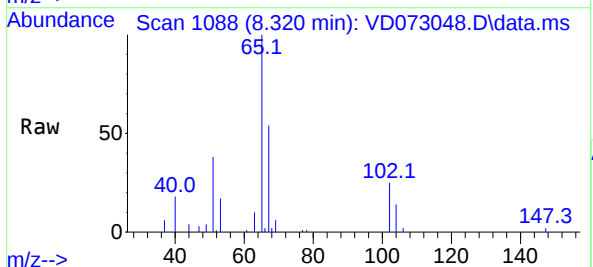
Instrument :
MSVOA_D
ClientSampleId :
WC-14A-TP-5R

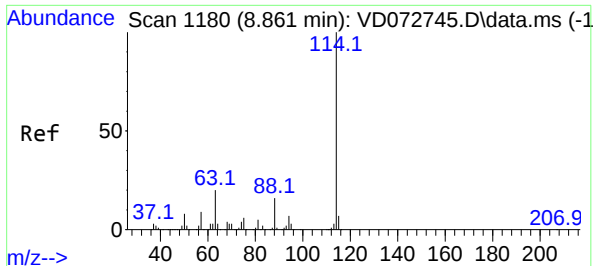
Tgt Ion: 56 Resp: 12752
Ion Ratio Lower Upper
56 100
69 42.4 25.4 38.2#
84 75.2 63.0 94.4



#33
1,2-Dichloroethane-d4
Concen: 62.689 ug/l
RT: 8.320 min Scan# 1088
Delta R.T. -0.006 min
Lab File: VD073048.D
Acq: 16 May 2022 21:31

Tgt Ion: 65 Resp: 35146
Ion Ratio Lower Upper
65 100
67 54.2 0.0 101.4

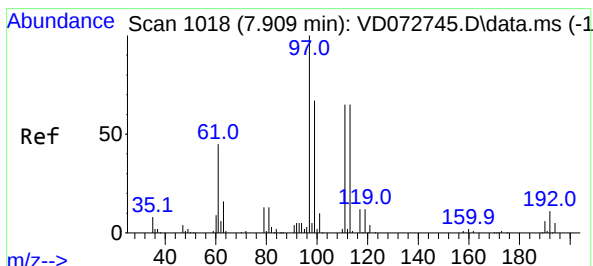
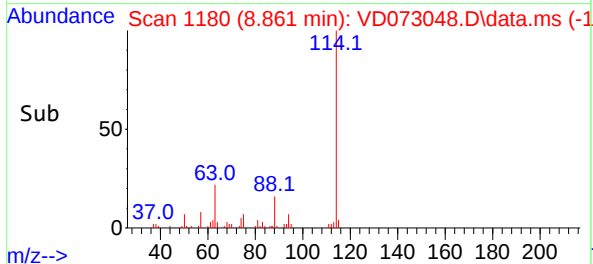
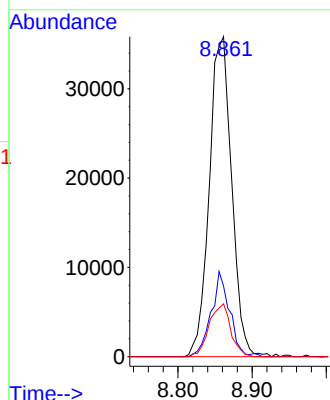
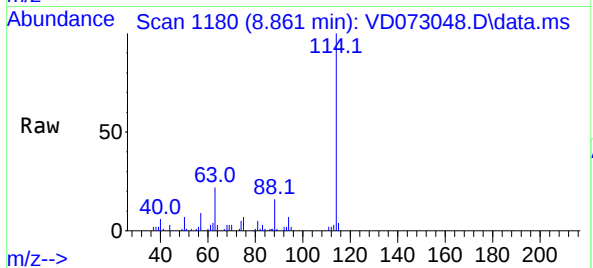




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD073048.D
Acq: 16 May 2022 21:31

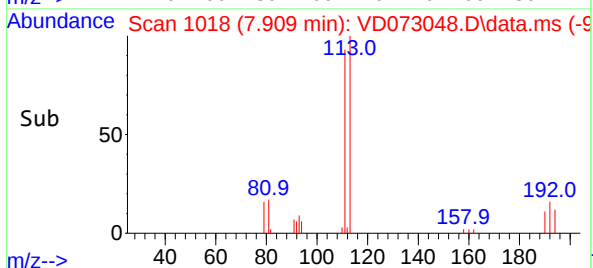
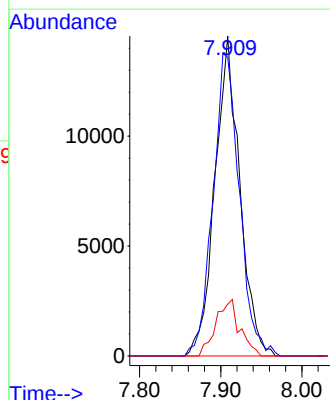
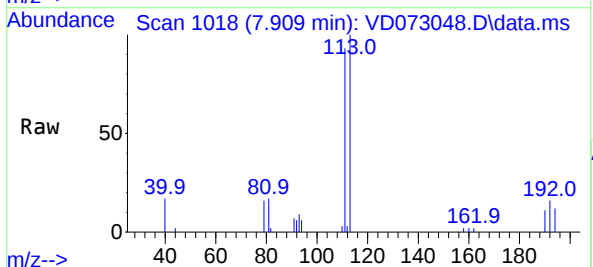
Instrument :
MSVOA_D
ClientSampleId :
WC-14A-TP-5R

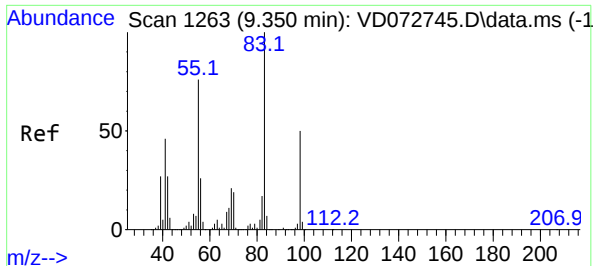
Tgt Ion:	114	Resp:	75272
Ion	Ratio	Lower	Upper
114	100		
63	22.1	0.0	46.6
88	16.5	0.0	33.2



#35
Dibromofluoromethane
Concen: 58.697 ug/l
RT: 7.909 min Scan# 1018
Delta R.T. -0.000 min
Lab File: VD073048.D
Acq: 16 May 2022 21:31

Tgt Ion:	113	Resp:	31030
Ion	Ratio	Lower	Upper
113	100		
111	100.2	83.8	125.6
192	16.9	14.6	21.8

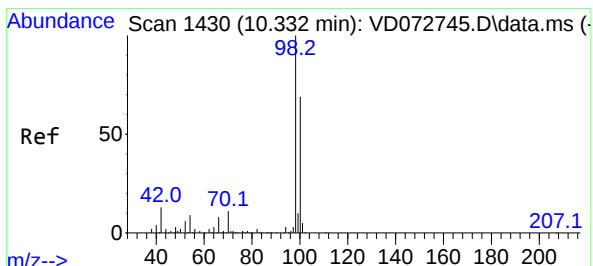
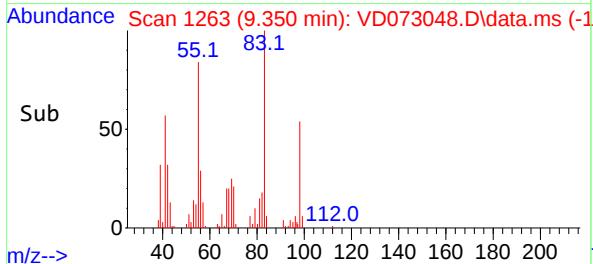
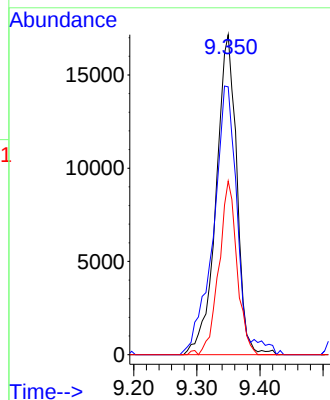
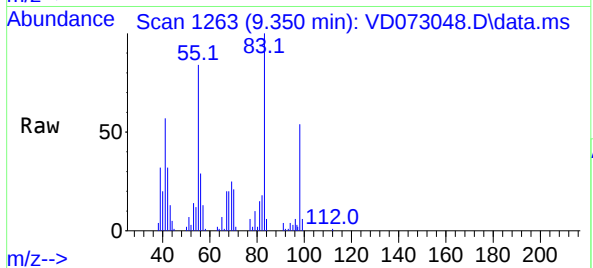




#39
Methylcyclohexane
Concen: 39.101 ug/l
RT: 9.350 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD073048.D
Acq: 16 May 2022 21:31

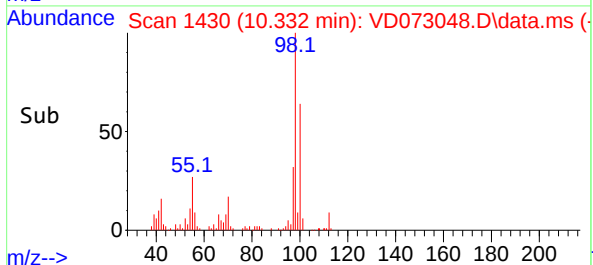
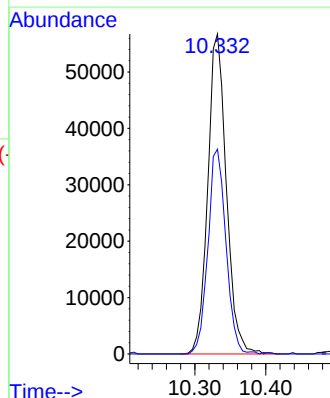
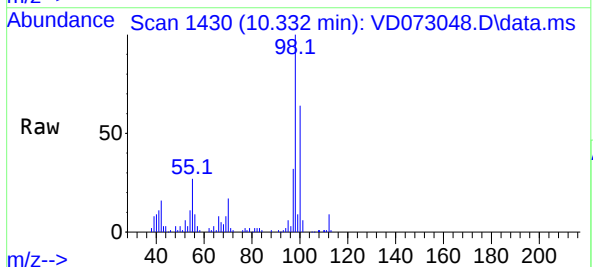
Instrument :
MSVOA_D
ClientSampleId :
WC-14A-TP-5R

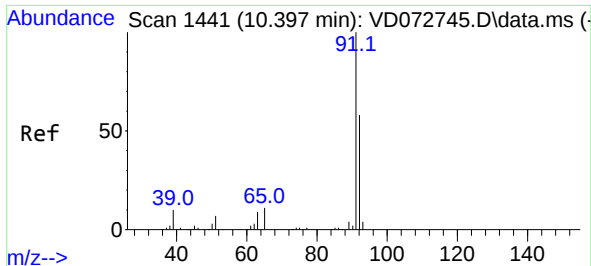
Tgt Ion: 83 Resp: 38986
Ion Ratio Lower Upper
83 100
55 83.7 63.2 94.8
98 54.2 38.2 57.4



#50
Toluene-d8
Concen: 54.392 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD073048.D
Acq: 16 May 2022 21:31

Tgt Ion: 98 Resp: 103143
Ion Ratio Lower Upper
98 100
100 62.1 52.4 78.6

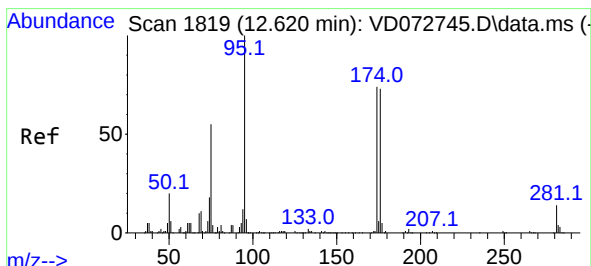
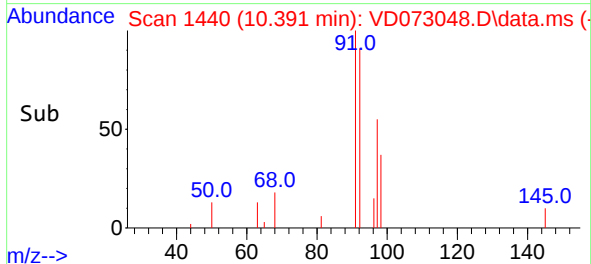
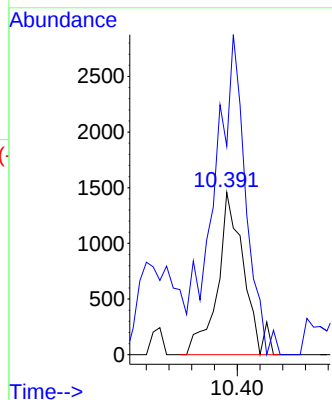
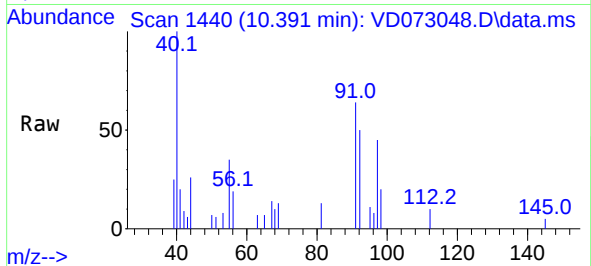




#52
Toluene
Concen: 1.509 ug/l
RT: 10.391 min Scan# 1440
Delta R.T. -0.006 min
Lab File: VD073048.D
Acq: 16 May 2022 21:31

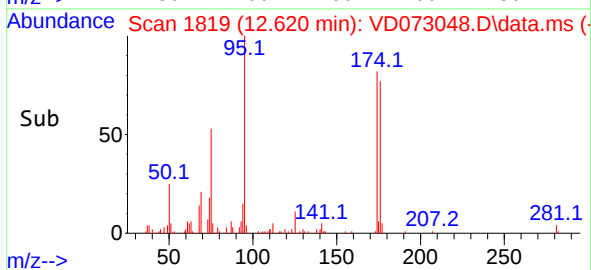
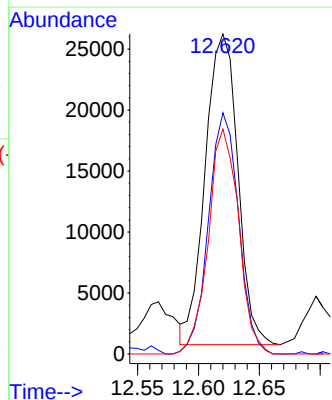
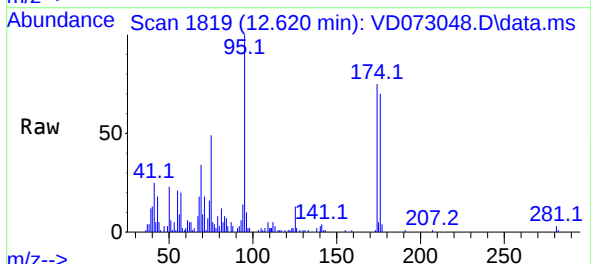
Instrument :
MSVOA_D
ClientSampleId :
WC-14A-TP-5R

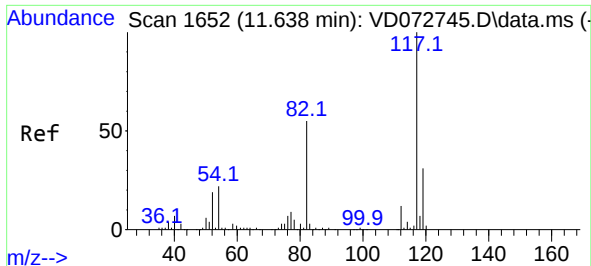
Tgt Ion: 92 Resp: 2336
Ion Ratio Lower Upper
92 100
91 235.4 139.6 209.4#



#62
4-Bromofluorobenzene
Concen: 67.021 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD073048.D
Acq: 16 May 2022 21:31

Tgt Ion: 95 Resp: 47389
Ion Ratio Lower Upper
95 100
174 71.8 0.0 152.8
176 67.3 0.0 145.4

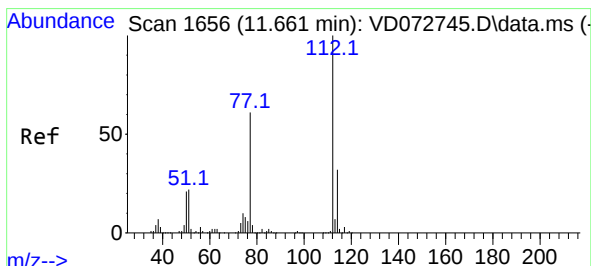
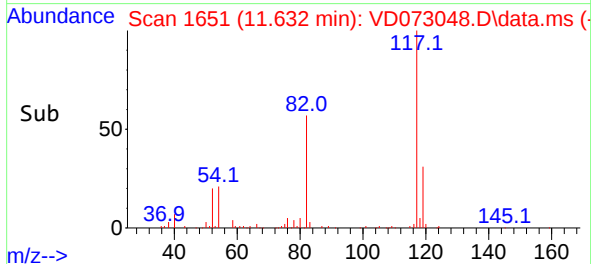
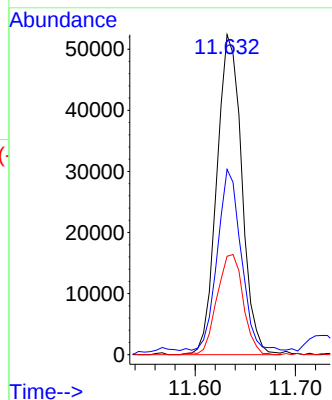
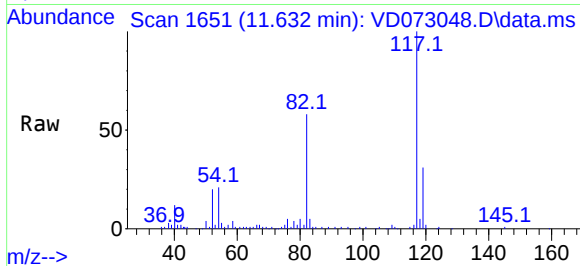




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 117
Delta R.T. -0.006 min
Lab File: VD073048.D
Acq: 16 May 2022 21:31

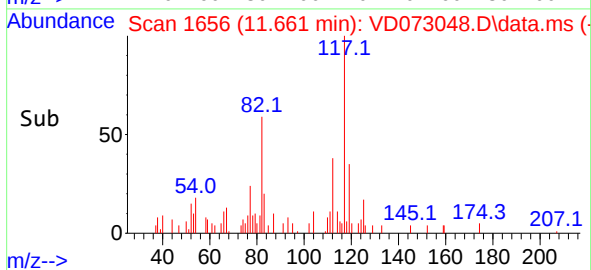
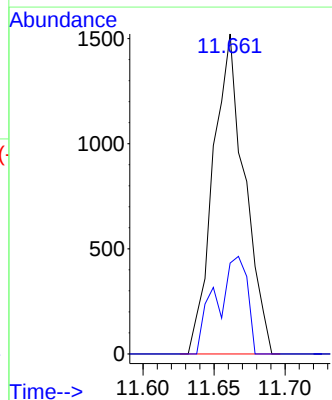
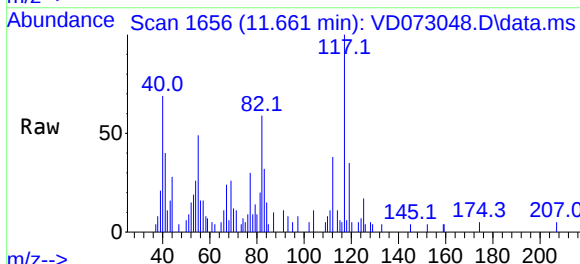
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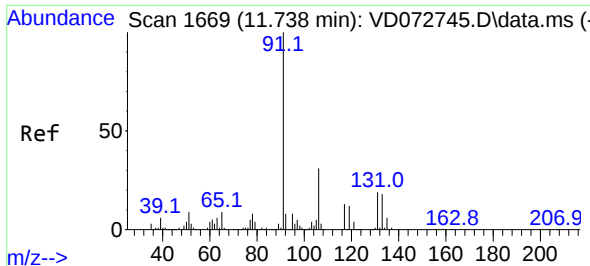
Tgt Ion:	117	Resp:	90569
Ion Ratio	Lower	Upper	
117	100		
82	56.6	45.3	67.9
119	30.8	26.6	40.0



#65
Chlorobenzene
Concen: 1.120 ug/l
RT: 11.661 min Scan# 1656
Delta R.T. 0.000 min
Lab File: VD073048.D
Acq: 16 May 2022 21:31

Tgt Ion:	112	Resp:	2347
Ion Ratio	Lower	Upper	
112	100		
114	28.4	25.8	38.6

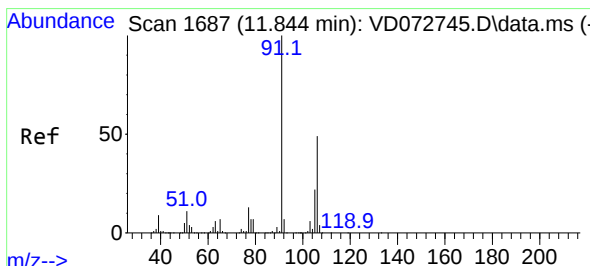
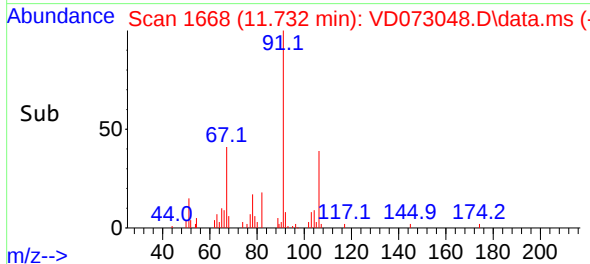
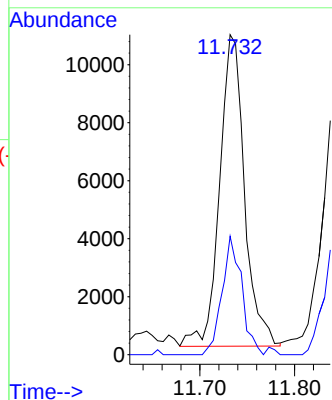
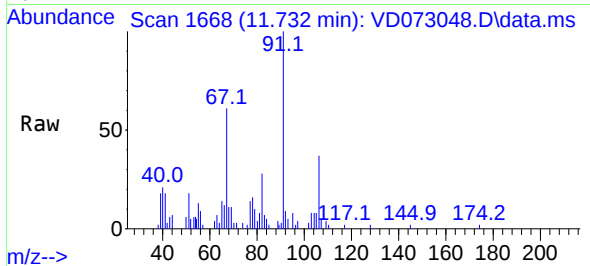




#67
Ethyl Benzene
Concen: 5.425 ug/l
RT: 11.732 min Scan# 1668
Delta R.T. -0.006 min
Lab File: VD073048.D
Acq: 16 May 2022 21:31

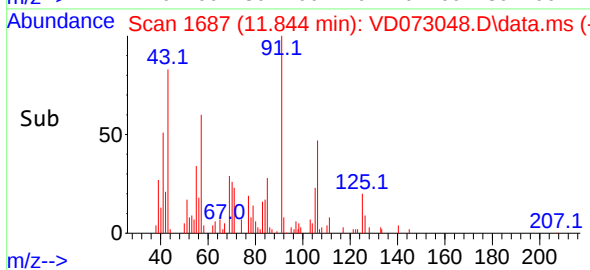
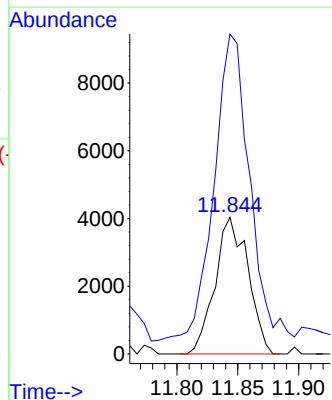
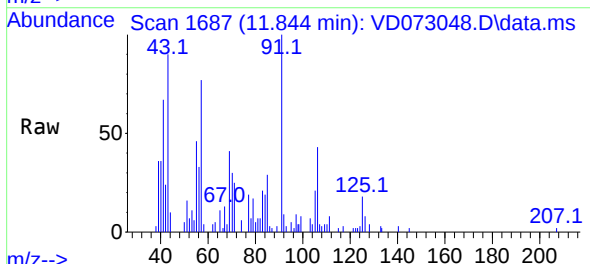
Instrument :
MSVOA_D
ClientSampleId :
WC-14A-TP-5R

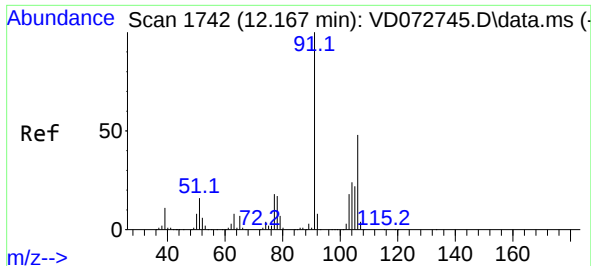
Tgt Ion: 91 Resp: 19666
Ion Ratio Lower Upper
91 100
106 38.0 24.2 36.4#



#68
m/p-Xylenes
Concen: 5.454 ug/l
RT: 11.844 min Scan# 1687
Delta R.T. -0.000 min
Lab File: VD073048.D
Acq: 16 May 2022 21:31

Tgt Ion: 106 Resp: 7617
Ion Ratio Lower Upper
106 100
91 245.9 163.7 245.5#

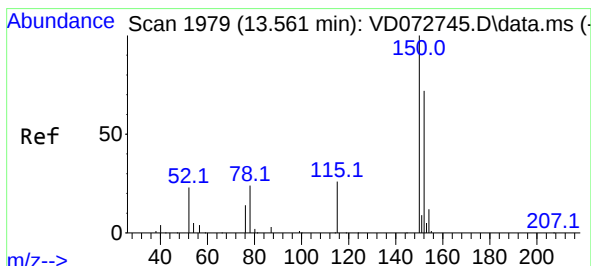
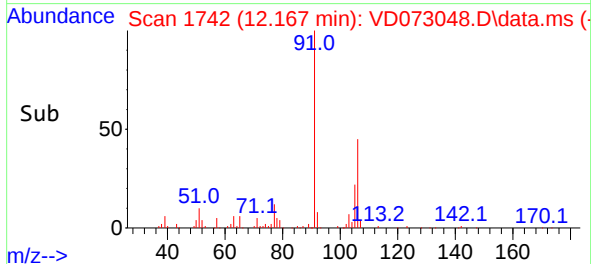
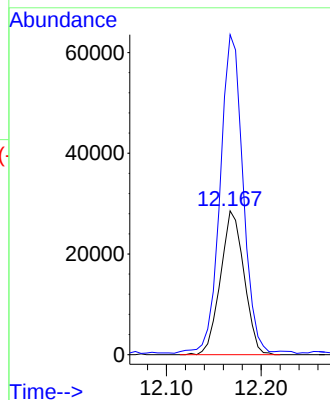
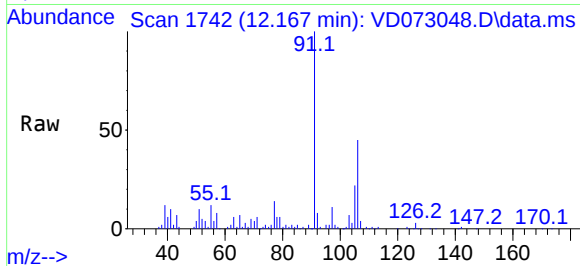




#69
o-Xylene
Concen: 37.862 ug/l
RT: 12.167 min Scan# 1742
Delta R.T. 0.000 min
Lab File: VD073048.D
Acq: 16 May 2022 21:31

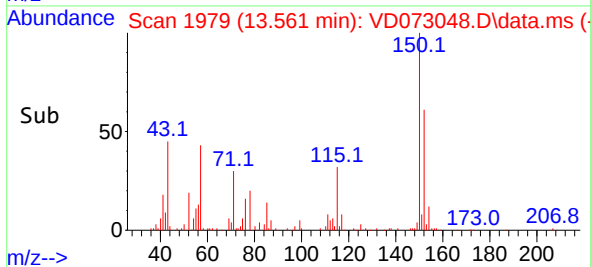
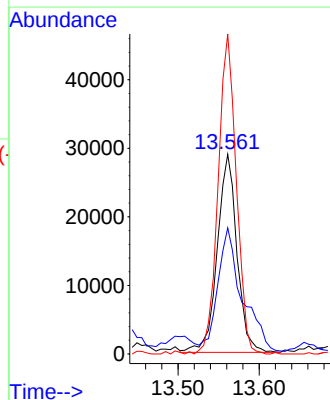
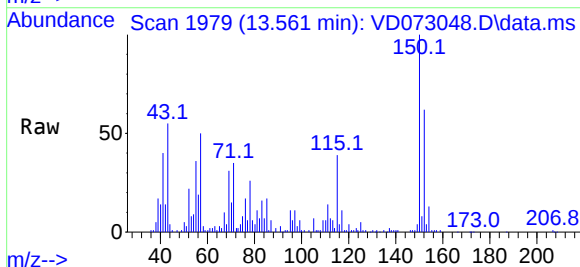
Instrument :
MSVOA_D
ClientSampleId :
WC-14A-TP-5R

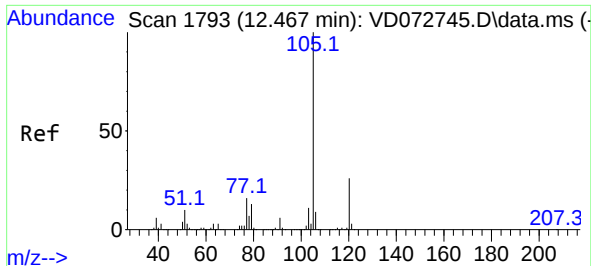
Tgt Ion:106 Resp: 49380
Ion Ratio Lower Upper
106 100
91 214.2 110.4 331.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VD073048.D
Acq: 16 May 2022 21:31

Tgt Ion:152 Resp: 48746
Ion Ratio Lower Upper
152 100
115 77.2 31.3 93.8
150 149.5 0.0 348.6

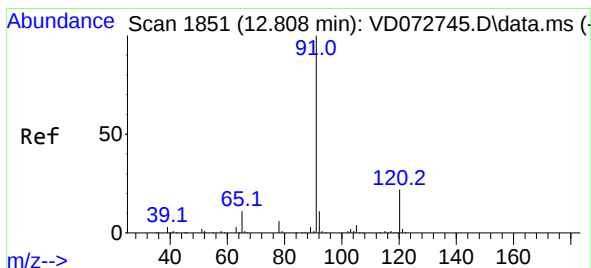
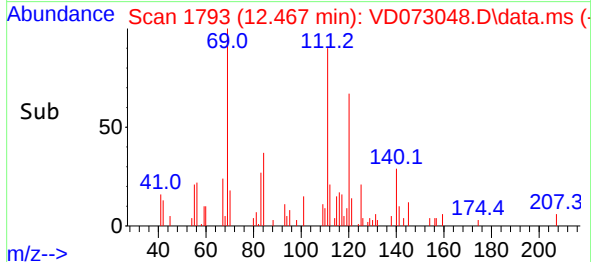
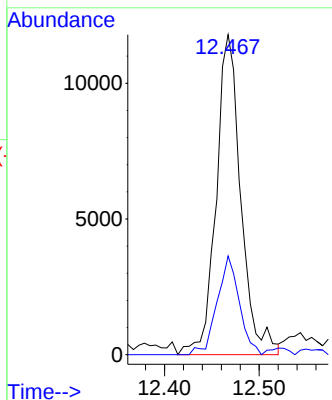
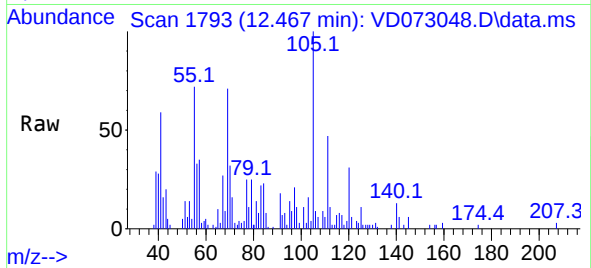




#73
Isopropylbenzene
Concen: 5.634 ug/l
RT: 12.467 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VD073048.D
Acq: 16 May 2022 21:31

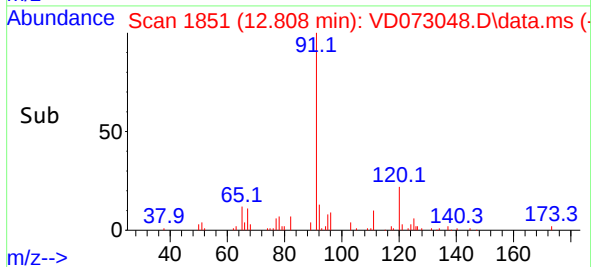
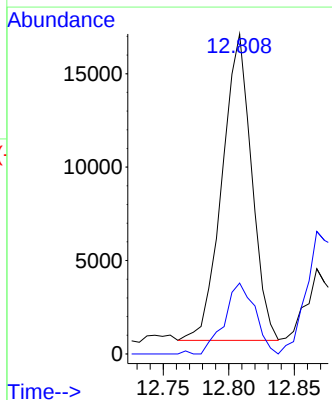
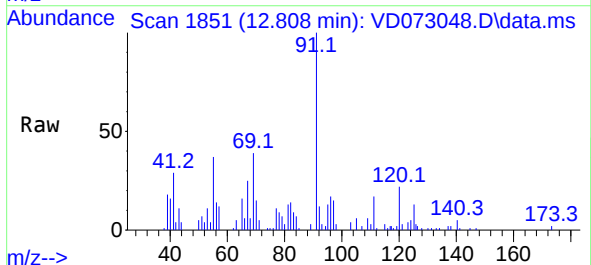
Instrument :
MSVOA_D
ClientSampleId :
WC-14A-TP-5R

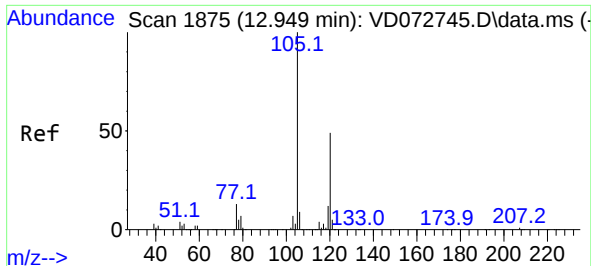
Tgt Ion:105 Resp: 21369
Ion Ratio Lower Upper
105 100
120 27.7 13.0 38.9



#78
n-propylbenzene
Concen: 5.373 ug/l
RT: 12.808 min Scan# 1851
Delta R.T. 0.000 min
Lab File: VD073048.D
Acq: 16 May 2022 21:31

Tgt Ion: 91 Resp: 25681
Ion Ratio Lower Upper
91 100
120 24.0 10.9 32.9

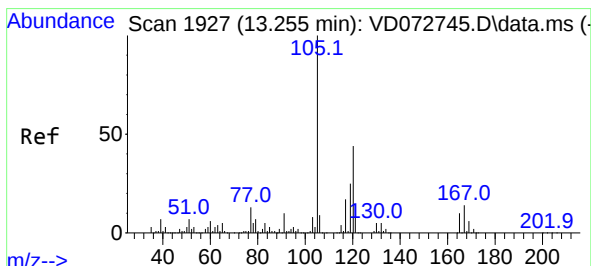
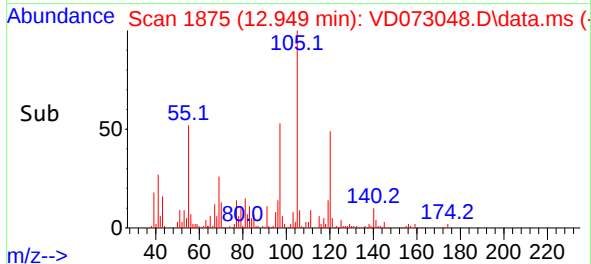
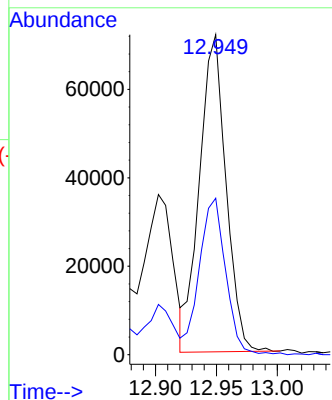
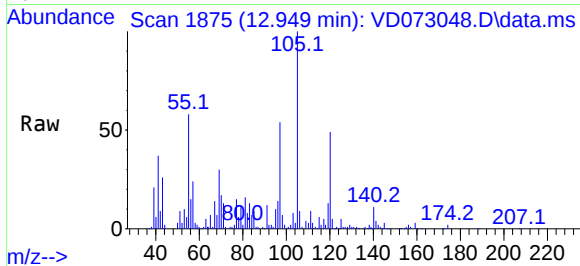




#80
1,3,5-Trimethylbenzene
Concen: 33.849 ug/l
RT: 12.949 min Scan# 1875
Delta R.T. 0.000 min
Lab File: VD073048.D
Acq: 16 May 2022 21:31

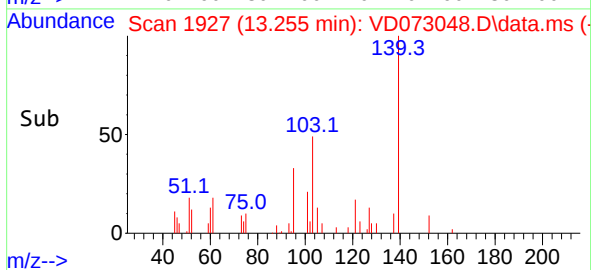
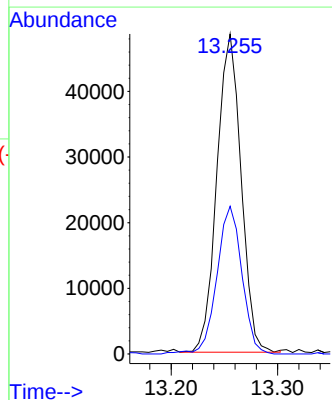
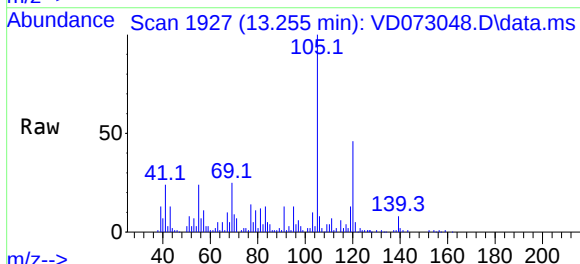
Instrument :
MSVOA_D
ClientSampleId :
WC-14A-TP-5R

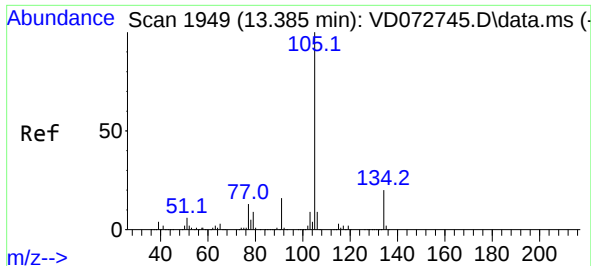
Tgt Ion:105 Resp: 108852
Ion Ratio Lower Upper
105 100
120 48.6 24.3 72.8



#84
1,2,4-Trimethylbenzene
Concen: 23.768 ug/l
RT: 13.255 min Scan# 1927
Delta R.T. 0.000 min
Lab File: VD073048.D
Acq: 16 May 2022 21:31

Tgt Ion:105 Resp: 76401
Ion Ratio Lower Upper
105 100
120 48.0 22.3 66.8

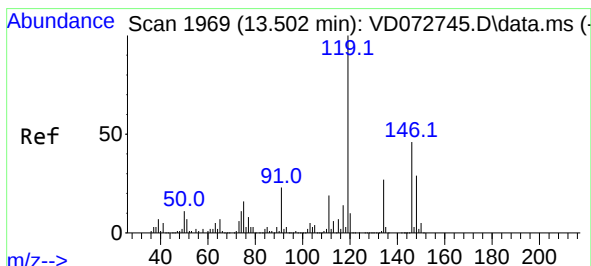
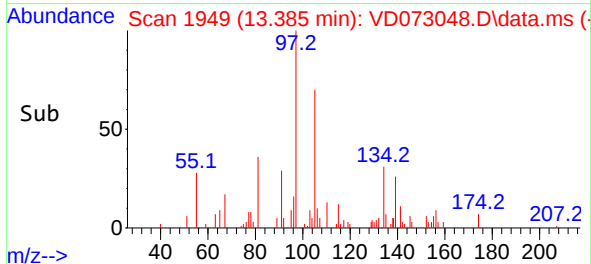
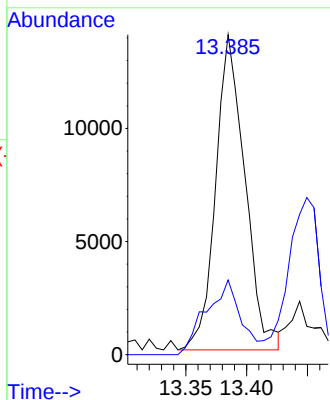
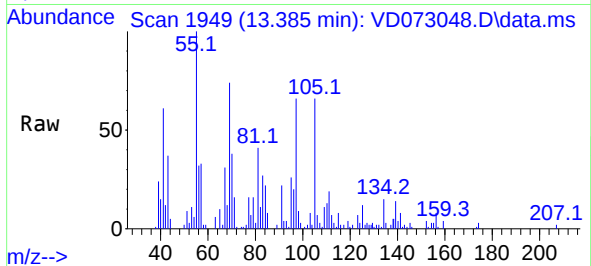




#85
 sec-Butylbenzene
 Concen: 5.652 ug/l
 RT: 13.385 min Scan# 1949
 Delta R.T. -0.000 min
 Lab File: VD073048.D
 Acq: 16 May 2022 21:31

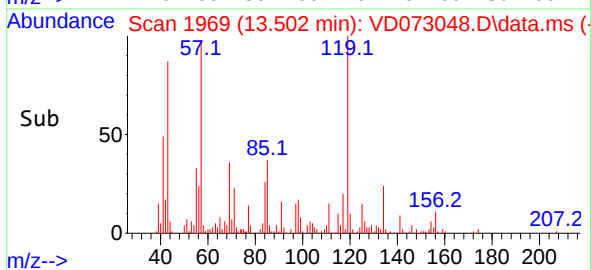
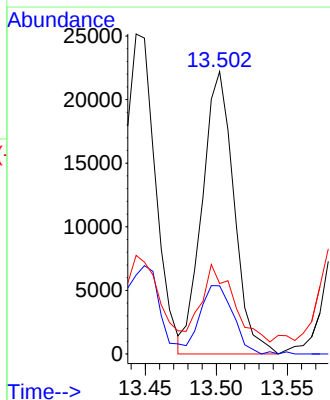
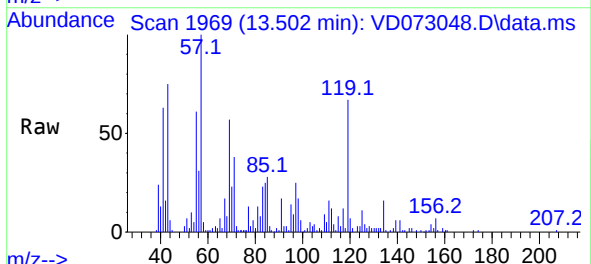
Instrument :
 MSVOA_D
 ClientSampleId :
 WC-14A-TP-5R

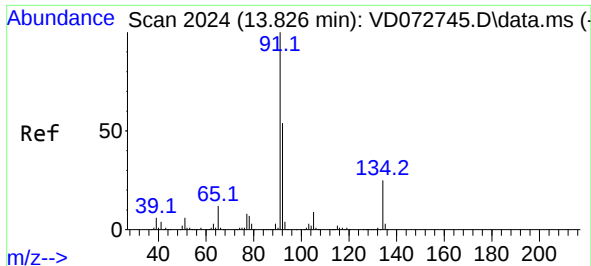
Tgt Ion:105 Resp: 23305
 Ion Ratio Lower Upper
 105 100
 134 27.8 9.8 29.3



#86
 p-Isopropyltoluene
 Concen: 10.217 ug/l
 RT: 13.502 min Scan# 1969
 Delta R.T. 0.000 min
 Lab File: VD073048.D
 Acq: 16 May 2022 21:31

Tgt Ion:119 Resp: 34541
 Ion Ratio Lower Upper
 119 100
 134 25.0 12.9 38.6
 91 27.0 12.1 36.3





#89

n-Butylbenzene

Concen: 3.524 ug/l

RT: 13.826 min Scan# 20

Delta R.T. -0.000 min

Lab File: VD073048.D

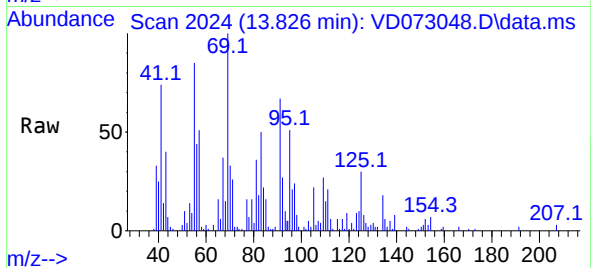
Acq: 16 May 2022 21:31

Instrument :

MSVOA_D

ClientSampleId :

WC-14A-TP-5R



Tgt Ion: 91 Resp: 11541

Ion Ratio Lower Upper

91 100

92 60.2 26.6 79.8

134 0.0 12.3 36.9#

