

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD040522\
 Data File : VD072534.D
 Acq On : 05 Apr 2022 14:48
 Operator : VA/SY
 Sample : N2247-04
 Misc : 4.99G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 WC-14A-1A-4-GR-10

Manual Integrations
 APPROVED

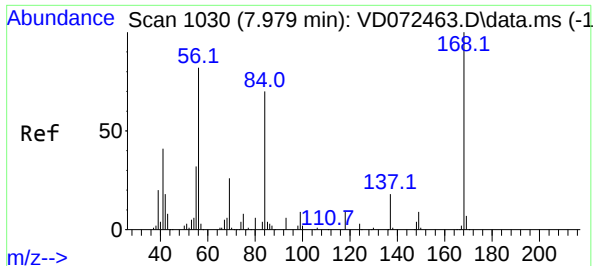
Reviewed By : John Carlone 04/06/2022
 Supervised By : Mahesh Dadoda 04/06/2022

Quant Time: Apr 06 01:12:32 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)

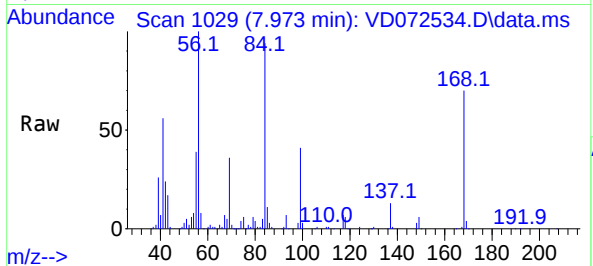
Internal Standards						
1) Pentafluorobenzene	7.973	168	370558	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	711217	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	383341	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.537	152	223827	50.000	ug/l	#-0.03
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	245029	54.662	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 109.320%			
35) Dibromofluoromethane	7.914	113	244575	44.250	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 88.500%			
50) Toluene-d8	10.332	98	1437409	74.816	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 149.640%#			
62) 4-Bromofluorobenzene	12.620	95	632290	84.267	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 168.540%#			
Target Compounds					Qvalue	
17) Carbon Disulfide	4.409	76	17431	5.869	ug/l #	92
31) Cyclohexane	7.985	56	743107	126.781	ug/l	87
39) Methylcyclohexane	9.355	83	4258808m	490.824	ug/l	
40) Benzene	8.344	78	20497	1.062	ug/l	96
52) Toluene	10.396	92	64882	5.060	ug/l	80
65) Chlorobenzene	11.661	112	7641151	891.559	ug/l	97
67) Ethyl Benzene	11.738	91	80370	5.374	ug/l	95
68) m/p-Xylenes	11.843	106	21666m	3.819	ug/l	
69) o-Xylene	12.173	106	147203	26.891	ug/l	58
73) Isopropylbenzene	12.473	105	3984790	220.441	ug/l	99
78) n-propylbenzene	12.808	91	1169358	53.623	ug/l	93
80) 1,3,5-Trimethylbenzene	12.955	105	241047	15.570	ug/l	97
83) tert-Butylbenzene	13.214	119	211296	15.765	ug/l	72
84) 1,2,4-Trimethylbenzene	13.261	105	339089	22.399	ug/l	94
85) sec-Butylbenzene	13.390	105	3590453	177.850	ug/l #	76
86) p-Isopropyltoluene	13.502	119	59356m	3.597	ug/l	
88) 1,4-Dichlorobenzene	13.585	146	770062	91.006	ug/l #	53
89) n-Butylbenzene	13.832	91	1636088	104.080	ug/l #	84

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



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD072534.D
Acq: 05 Apr 2022 14:48

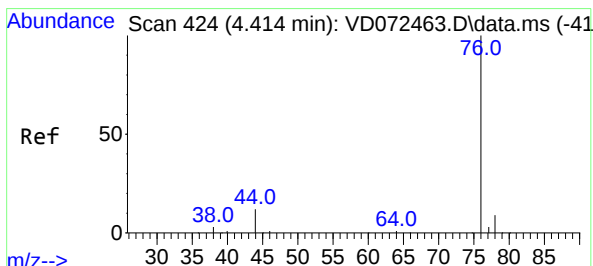
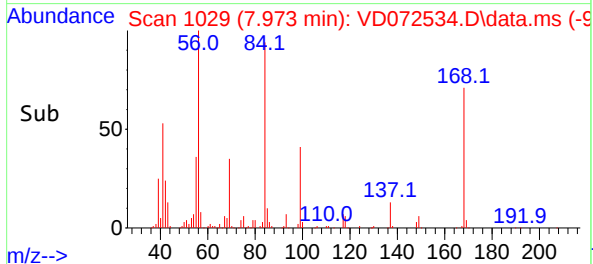
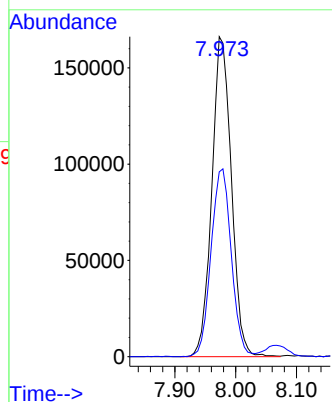
Instrument :
MSVOA_D
ClientSampleId :
WC-14A-1A-4-GR-10



Tgt Ion:168 Resp: 370558
Ion Ratio Lower Upper
168 100
99 57.7 49.8 74.6

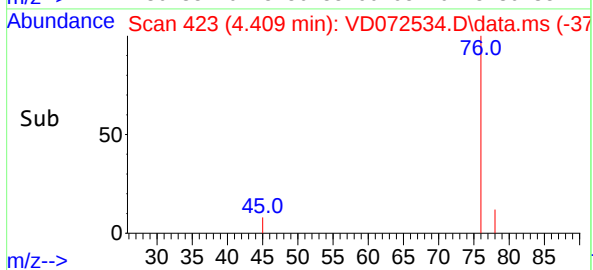
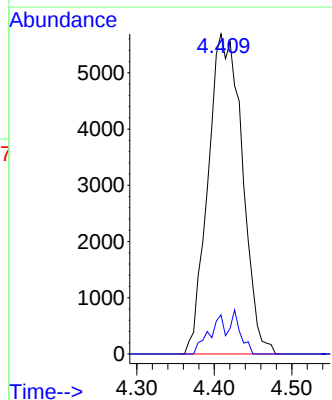
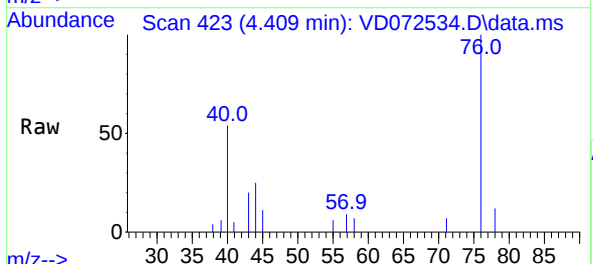
Manual Integrations
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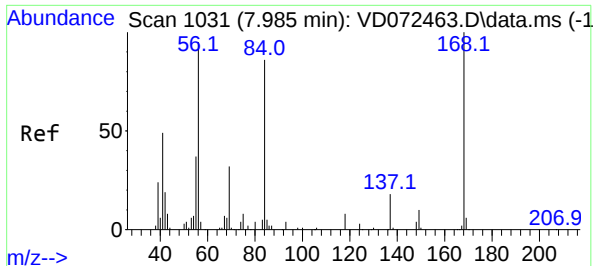
Reviewed By :John Carlone 04/06/2022
Supervised By :Mahesh Dadoda 04/06/2022



#17
Carbon Disulfide
Concen: 5.869 ug/l
RT: 4.409 min Scan# 423
Delta R.T. -0.005 min
Lab File: VD072534.D
Acq: 05 Apr 2022 14:48

Tgt Ion: 76 Resp: 17431
Ion Ratio Lower Upper
76 100
78 12.2 7.5 11.3#





#31

Cyclohexane

Concen: 126.781 ug/l

RT: 7.985 min Scan# 1031

Delta R.T. -0.000 min

Lab File: VD072534.D

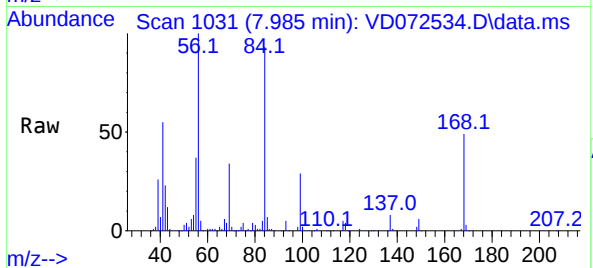
Acq: 05 Apr 2022 14:48

Instrument :

MSVOA_D

ClientSampleId :

WC-14A-1A-4-GR-10



Tgt Ion: 56 Resp: 74310

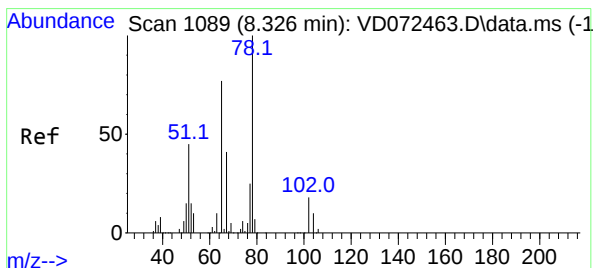
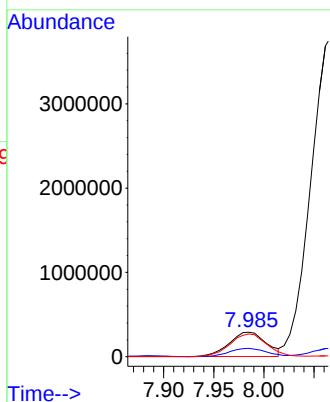
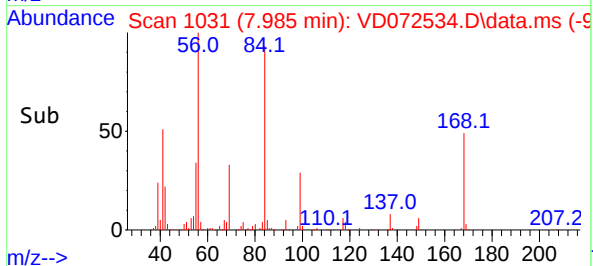
Ion	Ratio	Lower	Upper
56	100		
69	33.5	25.4	38.2
84	93.4	63.0	94.4

Manual Integrations

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Supervised By :Mahesh Dadoda 04/06/2022



#33

1,2-Dichloroethane-d4

Concen: 54.662 ug/l

RT: 8.326 min Scan# 1089

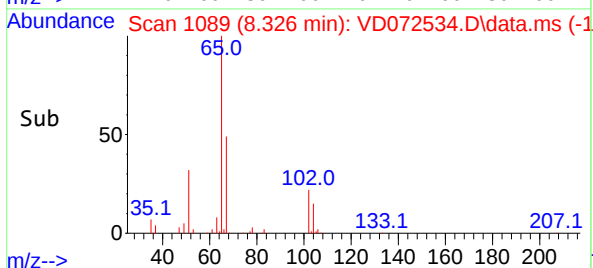
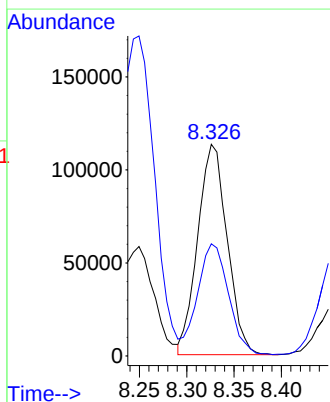
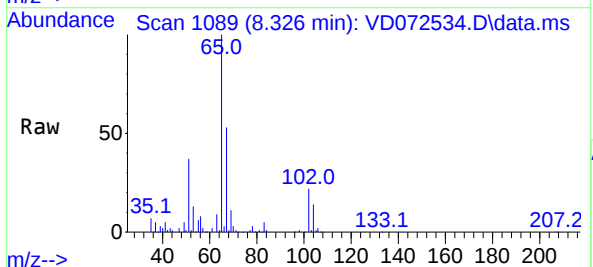
Delta R.T. -0.000 min

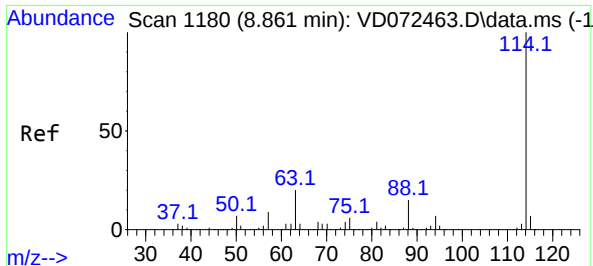
Lab File: VD072534.D

Acq: 05 Apr 2022 14:48

Tgt Ion: 65 Resp: 245029

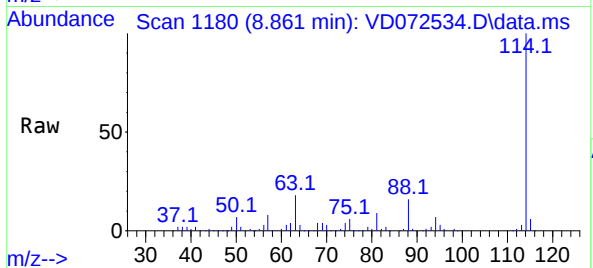
Ion	Ratio	Lower	Upper
65	100		
67	55.2	0.0	101.4





#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. -0.000 min
Lab File: VD072534.D
Acq: 05 Apr 2022 14:48

Instrument :
MSVOA_D
ClientSampleId :
WC-14A-1A-4-GR-10

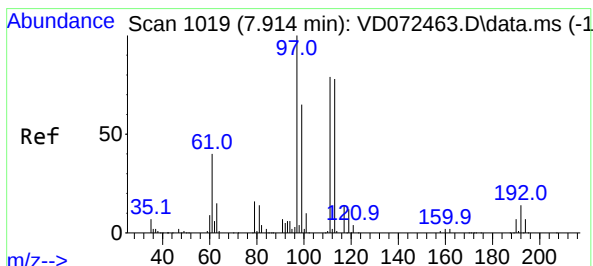
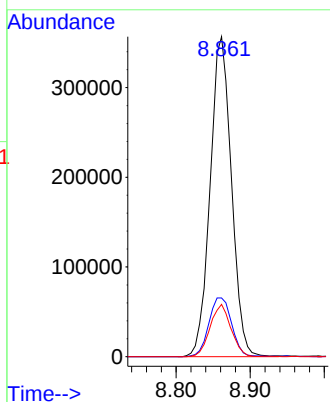
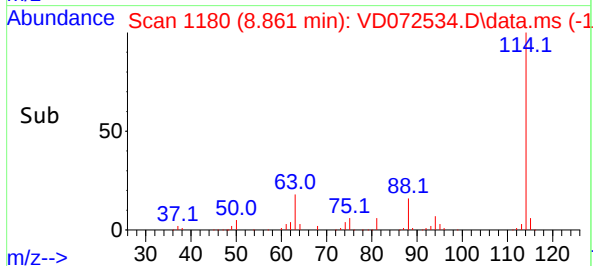


Tgt Ion:114 Resp: 71121

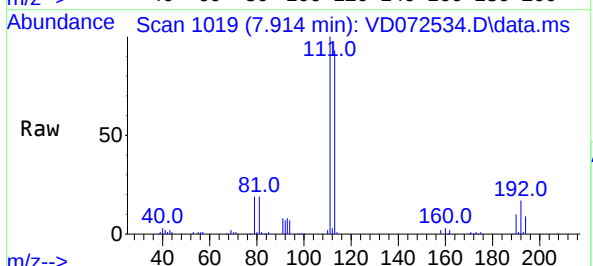
Ion	Ratio	Lower	Upper
114	100		
63	18.4	0.0	46.6
88	16.3	0.0	33.2

Manual Integrations
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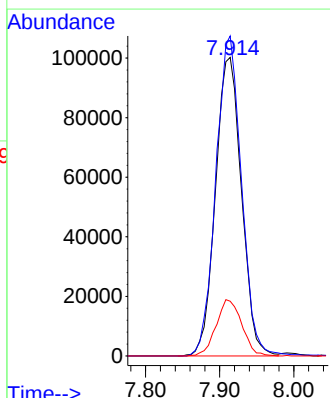
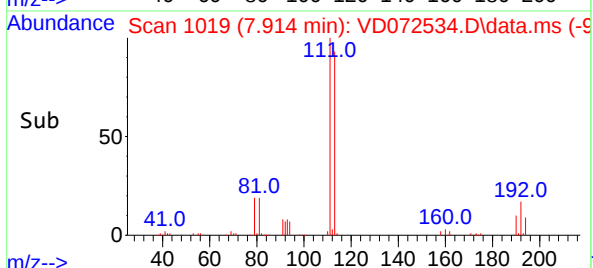


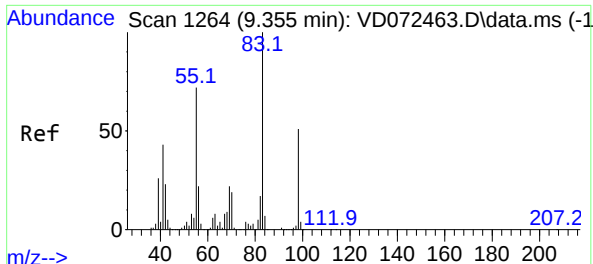
#35
Dibromofluoromethane
Concen: 44.250 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. -0.000 min
Lab File: VD072534.D
Acq: 05 Apr 2022 14:48



Tgt Ion:113 Resp: 244575

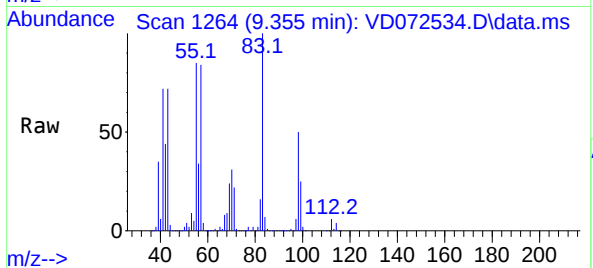
Ion	Ratio	Lower	Upper
113	100		
111	105.5	83.8	125.6
192	18.6	14.6	21.8





#39
Methylcyclohexane
Concen: 490.824 ug/l m
RT: 9.355 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD072534.D
Acq: 05 Apr 2022 14:48

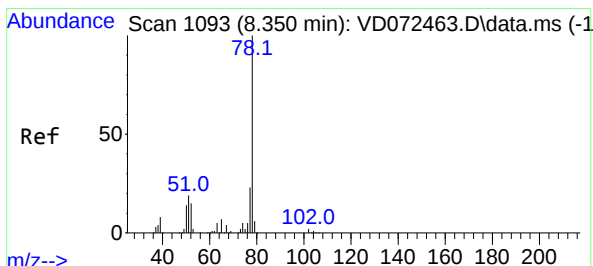
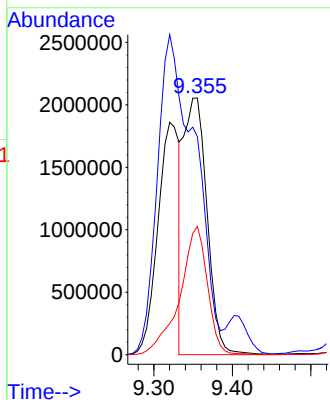
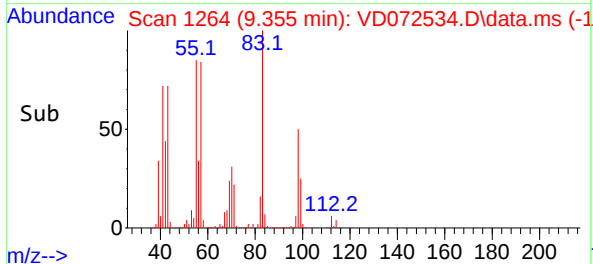
Instrument :
MSVOA_D
ClientSampleId :
WC-14A-1A-4-GR-10



Tgt Ion: 83 Resp: 425880
Ion Ratio Lower Upper
83 100
55 84.9 63.2 94.8
98 50.0 38.2 57.4

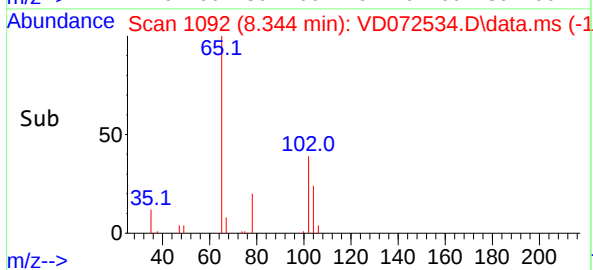
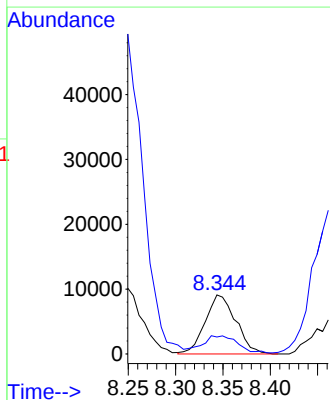
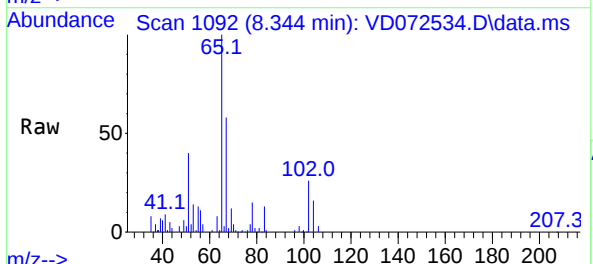
Manual Integrations
APPROVED

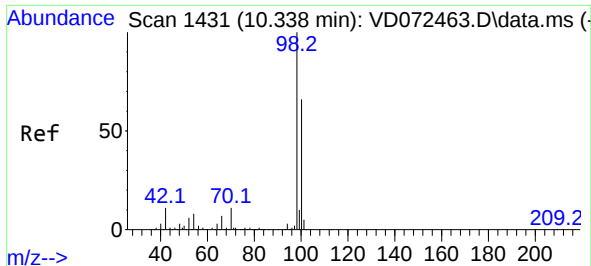
Reviewed By :John Carlone 04/06/2022
Supervised By :Mahesh Dadoda 04/06/2022



#40
Benzene
Concen: 1.062 ug/l
RT: 8.344 min Scan# 1092
Delta R.T. -0.006 min
Lab File: VD072534.D
Acq: 05 Apr 2022 14:48

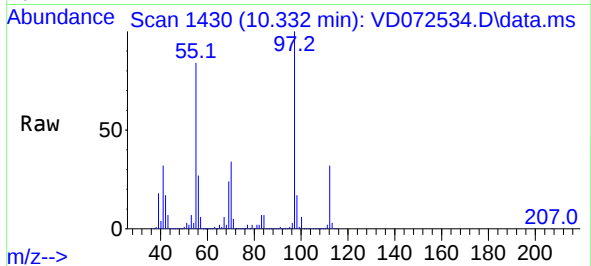
Tgt Ion: 78 Resp: 20497
Ion Ratio Lower Upper
78 100
77 26.1 19.1 28.7





#50
Toluene-d8
Concen: 74.816 ug/l
RT: 10.332 min Scan# 1431
Delta R.T. -0.006 min
Lab File: VD072534.D
Acq: 05 Apr 2022 14:48

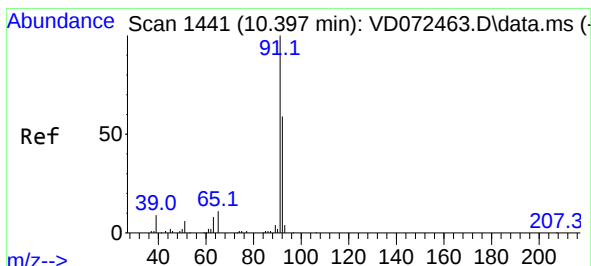
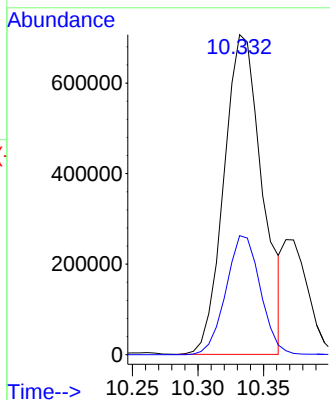
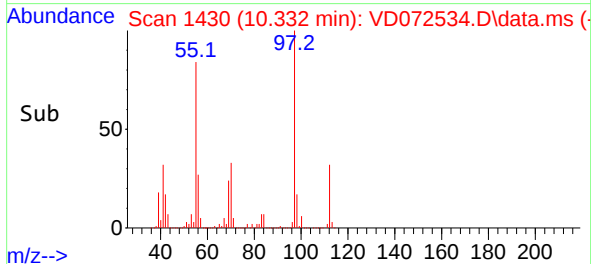
Instrument :
MSVOA_D
ClientSampleId :
WC-14A-1A-4-GR-10



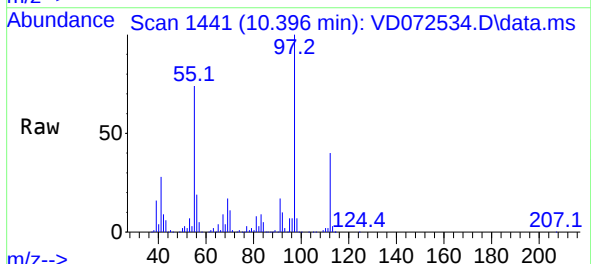
Tgt Ion: 98 Resp: 1437409
Ion Ratio Lower Upper
98 100
100 33.6 52.4 78.6

Manual Integrations
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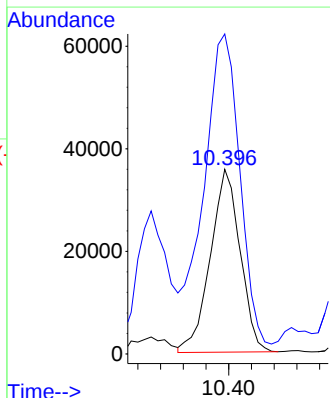
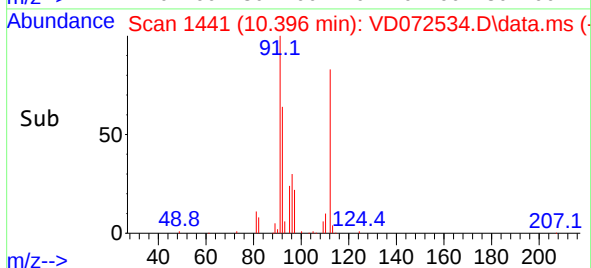
Reviewed By :John Carlone 04/06/2022
Supervised By :Mahesh Dadoda 04/06/2022

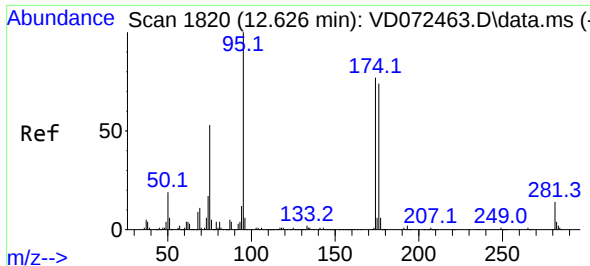


#52
Toluene
Concen: 5.060 ug/l
RT: 10.396 min Scan# 1441
Delta R.T. -0.000 min
Lab File: VD072534.D
Acq: 05 Apr 2022 14:48



Tgt Ion: 92 Resp: 64882
Ion Ratio Lower Upper
92 100
91 202.5 139.6 209.4





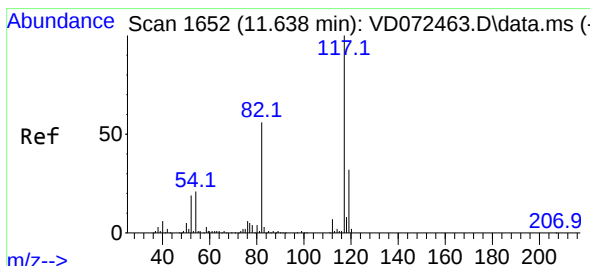
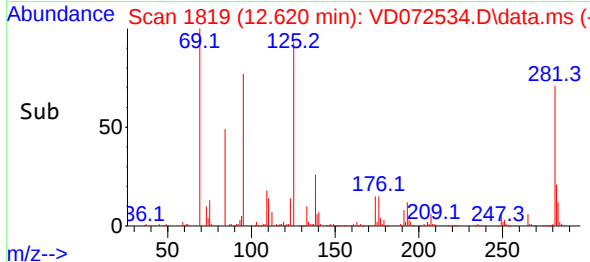
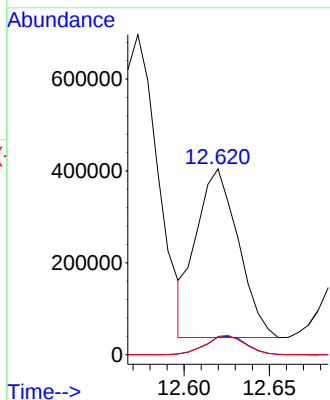
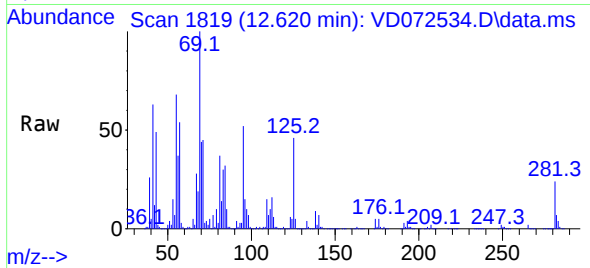
#62
4-Bromofluorobenzene
Concen: 84.267 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD072534.D
Acq: 05 Apr 2022 14:48

Instrument :
MSVOA_D
ClientSampleId :
WC-14A-1A-4-GR-10

Tgt Ion: 95 Resp: 632290
Ion Ratio Lower Upper
95 100
174 10.8 0.0 152.8
176 10.7 0.0 145.4

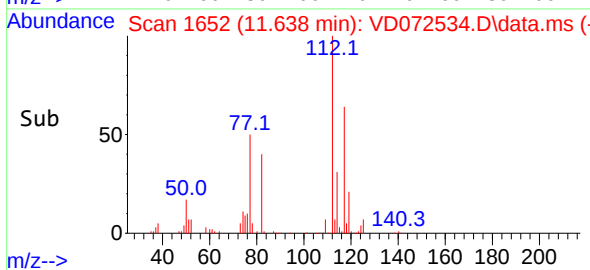
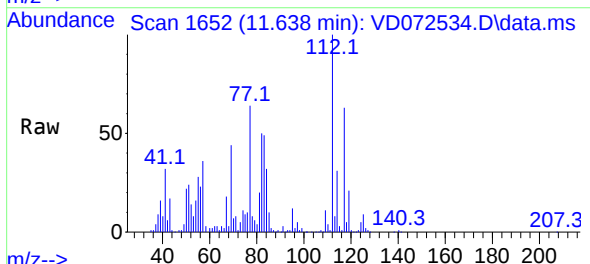
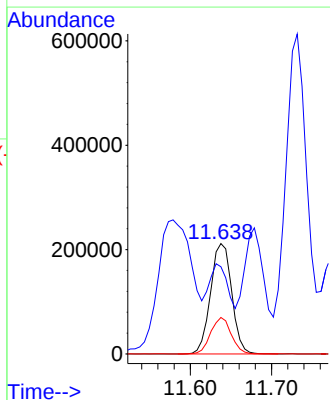
Manual Integrations
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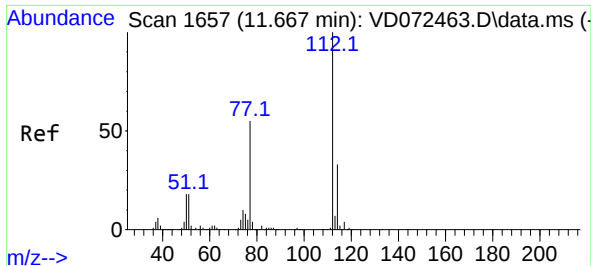
Reviewed By :John Carlone 04/06/2022
Supervised By :Mahesh Dadoda 04/06/2022



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD072534.D
Acq: 05 Apr 2022 14:48

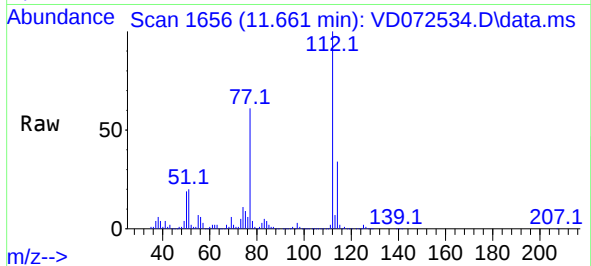
Tgt Ion:117 Resp: 383341
Ion Ratio Lower Upper
117 100
82 21.1 45.3 67.9#
119 33.0 26.6 40.0





#65
Chlorobenzene
Concen: 891.559 ug/l
RT: 11.661 min Scan# 1656
Delta R.T. -0.006 min
Lab File: VD072534.D
Acq: 05 Apr 2022 14:48

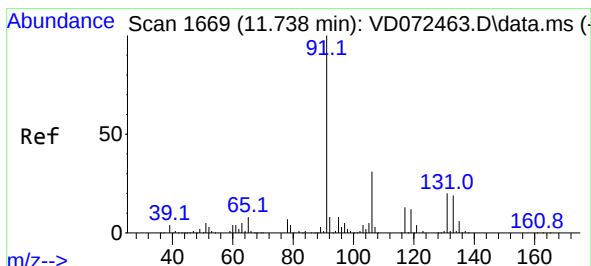
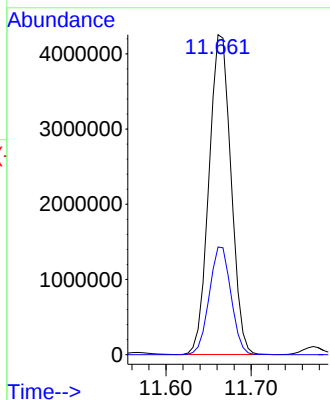
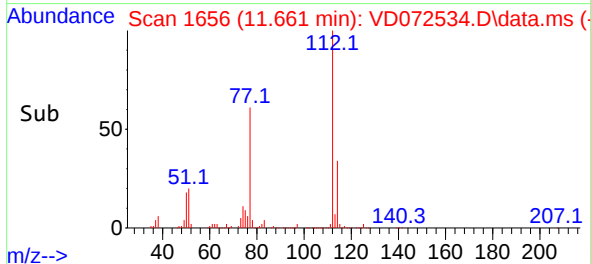
Instrument :
MSVOA_D
ClientSampleId :
WC-14A-1A-4-GR-10



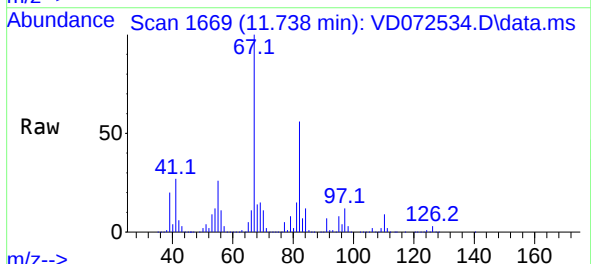
Tgt Ion:112 Resp: 764115
Ion Ratio Lower Upper
112 100
114 33.6 25.8 38.6

Manual Integrations
APPROVED

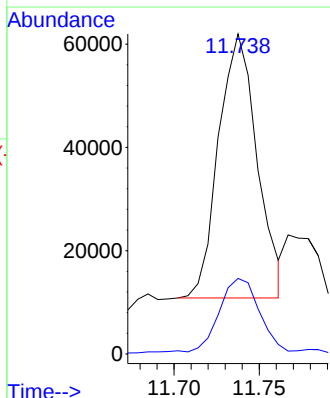
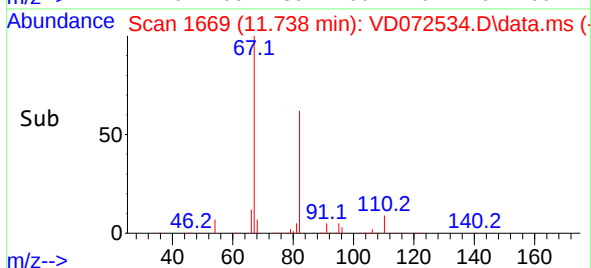
Reviewed By :John Carlone 04/06/2022
Supervised By :Mahesh Dadoda 04/06/2022

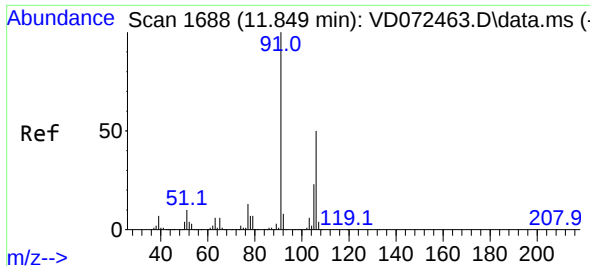


#67
Ethyl Benzene
Concen: 5.374 ug/l
RT: 11.738 min Scan# 1669
Delta R.T. -0.000 min
Lab File: VD072534.D
Acq: 05 Apr 2022 14:48



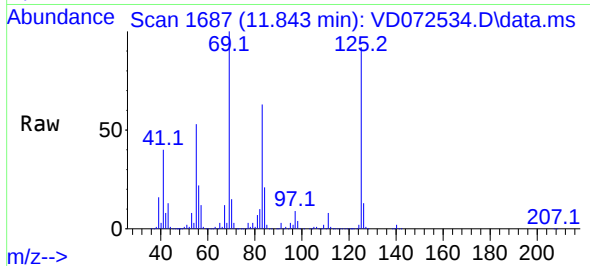
Tgt Ion: 91 Resp: 80370
Ion Ratio Lower Upper
91 100
106 27.4 24.2 36.4





#68
m/p-Xylenes
Concen: 3.819 ug/l m
RT: 11.843 min Scan# 1
Delta R.T. -0.006 min
Lab File: VD072534.D
Acq: 05 Apr 2022 14:48

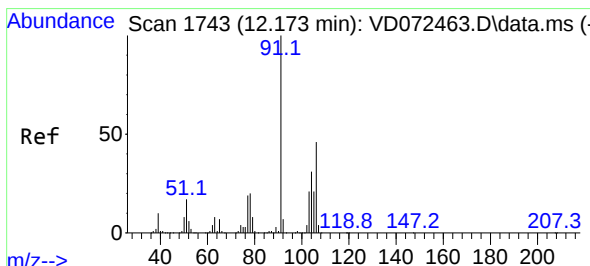
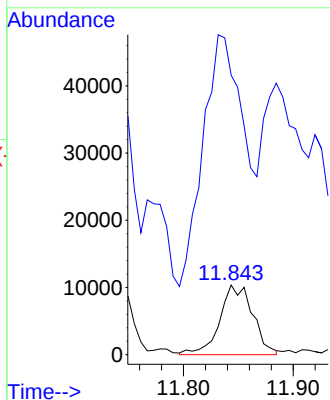
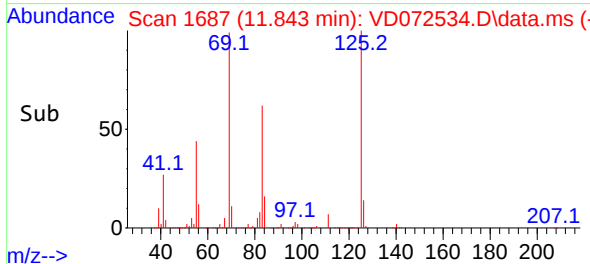
Instrument :
MSVOA_D
ClientSampleId :
WC-14A-1A-4-GR-10



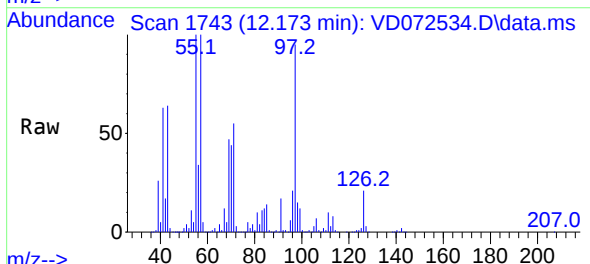
Tgt Ion:106 Resp: 2166
Ion Ratio Lower Upper
106 100
91 0.0 163.7 245.5

Manual Integrations
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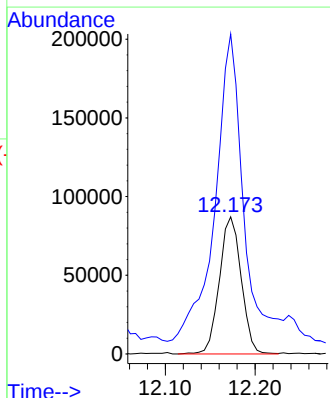
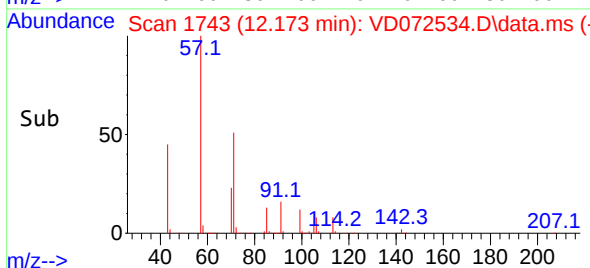
Reviewed By :John Carlone 04/06/2022
Supervised By :Mahesh Dadoda 04/06/2022

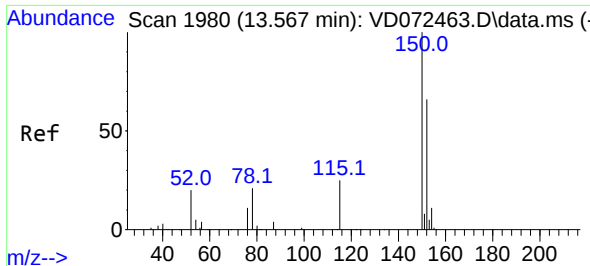


#69
o-Xylene
Concen: 26.891 ug/l
RT: 12.173 min Scan# 1743
Delta R.T. -0.000 min
Lab File: VD072534.D
Acq: 05 Apr 2022 14:48



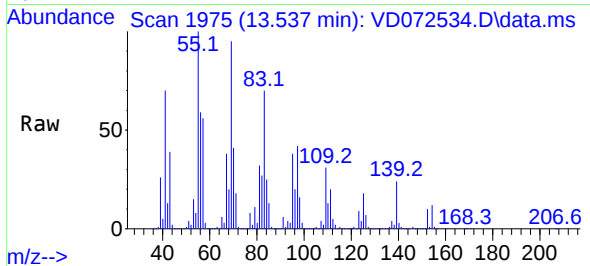
Tgt Ion:106 Resp: 147203
Ion Ratio Lower Upper
106 100
91 287.8 110.4 331.2





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.537 min Scan# 1975
Delta R.T. -0.030 min
Lab File: VD072534.D
Acq: 05 Apr 2022 14:48

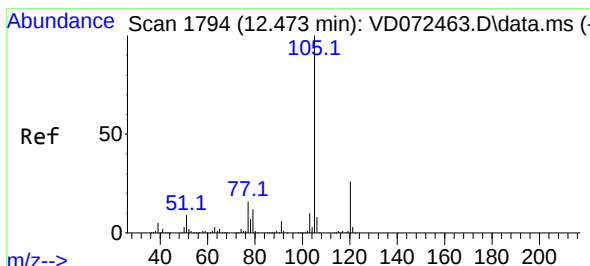
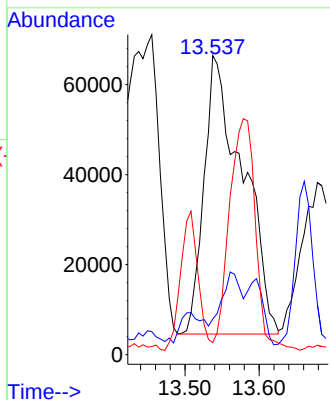
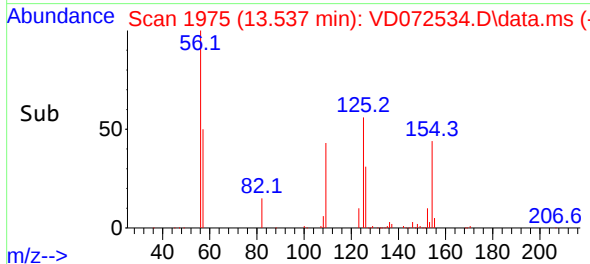
Instrument :
MSVOA_D
ClientSampleId :
WC-14A-1A-4-GR-10



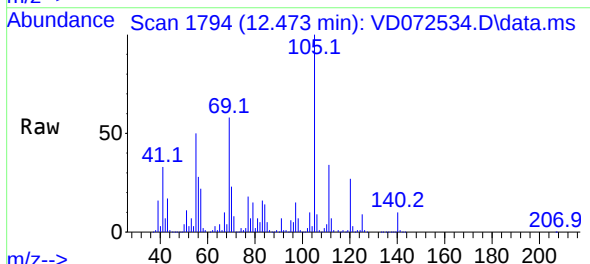
Tgt Ion:152 Resp: 22382
Ion Ratio Lower Upper
152 100
115 0.0 31.3 93.8
150 0.0 0.0 348.6

Manual Integrations
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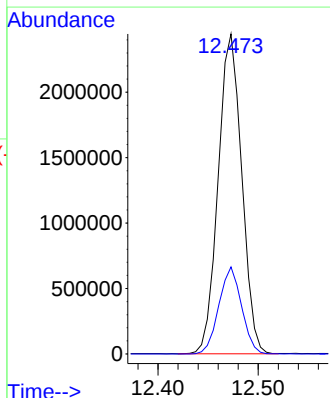
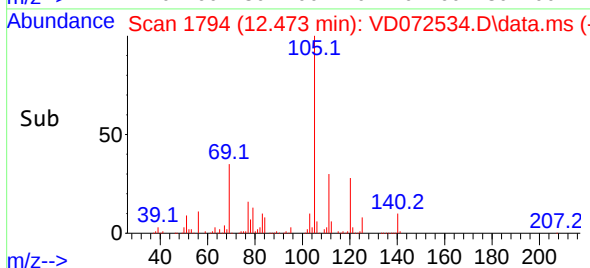
Reviewed By :John Carlone 04/06/2022
Supervised By :Mahesh Dadoda 04/06/2022

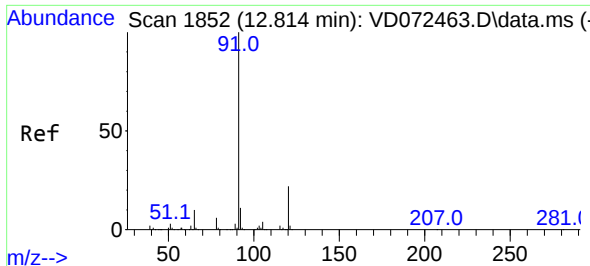


#73
Isopropylbenzene
Concen: 220.441 ug/l
RT: 12.473 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VD072534.D
Acq: 05 Apr 2022 14:48



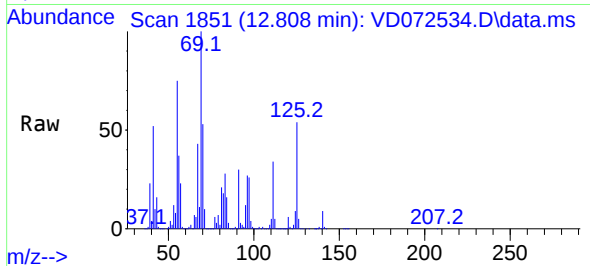
Tgt Ion:105 Resp: 3984790
Ion Ratio Lower Upper
105 100
120 26.2 13.0 38.9





#78
n-propylbenzene
Concen: 53.623 ug/l
RT: 12.808 min Scan# 1851
Delta R.T. -0.006 min
Lab File: VD072534.D
Acq: 05 Apr 2022 14:48

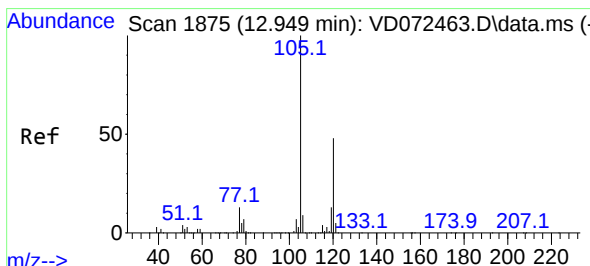
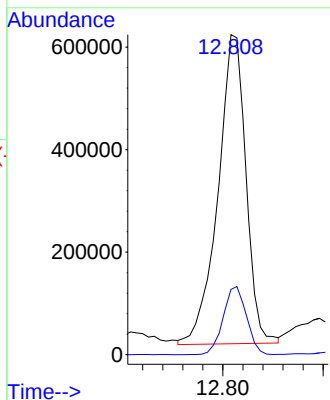
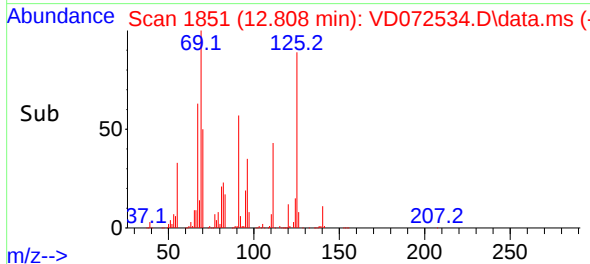
Instrument :
MSVOA_D
ClientSampleId :
WC-14A-1A-4-GR-10



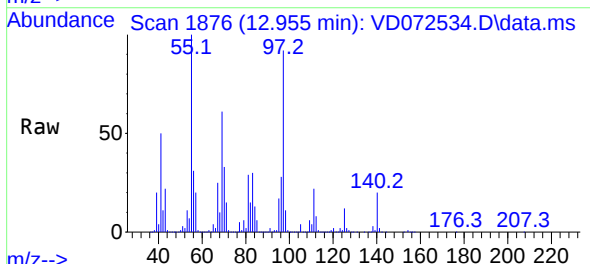
Tgt Ion: 91 Resp: 1169358
Ion Ratio Lower Upper
91 100
120 18.3 10.9 32.9

Manual Integrations
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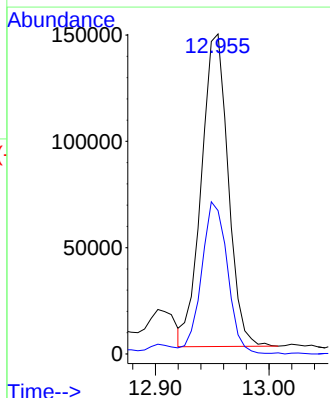
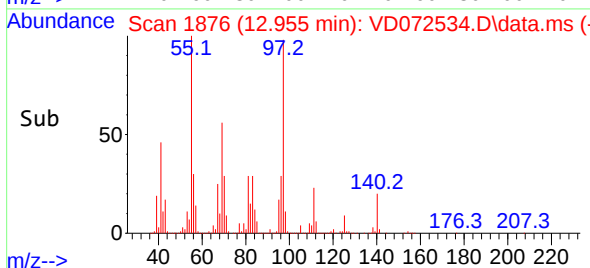
Reviewed By :John Carlone 04/06/2022
Supervised By :Mahesh Dadoda 04/06/2022

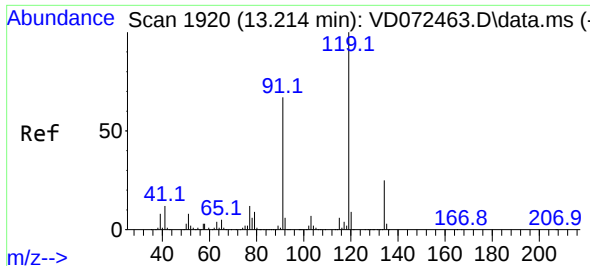


#80
1,3,5-Trimethylbenzene
Concen: 15.570 ug/l
RT: 12.955 min Scan# 1876
Delta R.T. 0.006 min
Lab File: VD072534.D
Acq: 05 Apr 2022 14:48



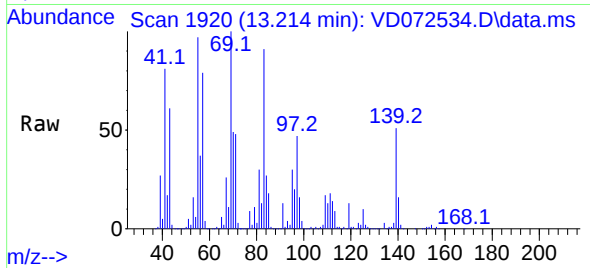
Tgt Ion:105 Resp: 241047
Ion Ratio Lower Upper
105 100
120 46.7 24.3 72.8





#83
tert-Butylbenzene
Concen: 15.765 ug/l
RT: 13.214 min Scan# 1920
Delta R.T. -0.000 min
Lab File: VD072534.D
Acq: 05 Apr 2022 14:48

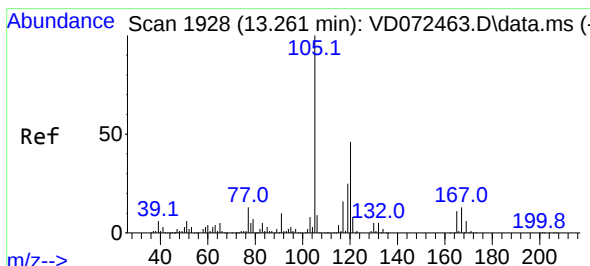
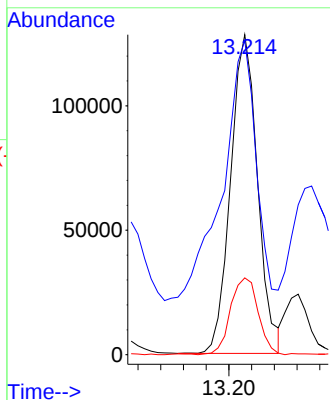
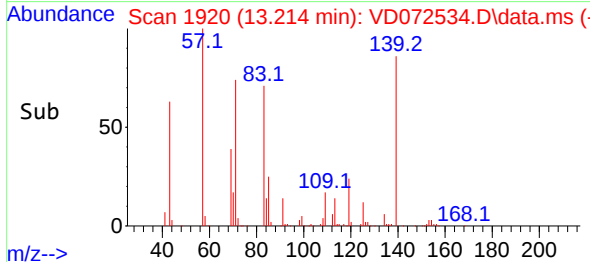
Instrument :
MSVOA_D
ClientSampleId :
WC-14A-1A-4-GR-10



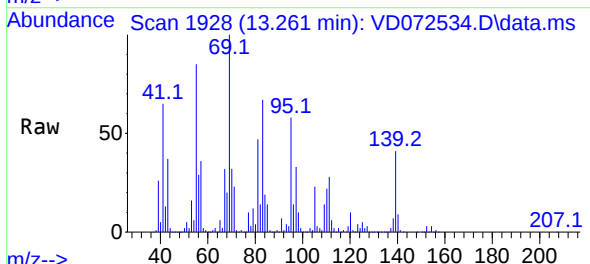
Tgt Ion:119 Resp: 211290
Ion Ratio Lower Upper
119 100
91 100.6 34.8 104.5
134 24.7 13.3 39.9

Manual Integrations
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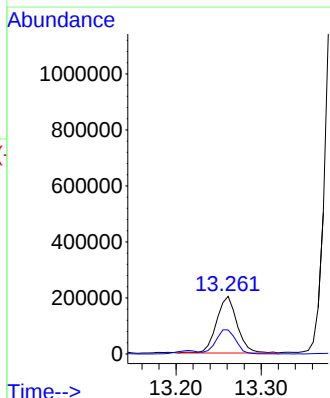
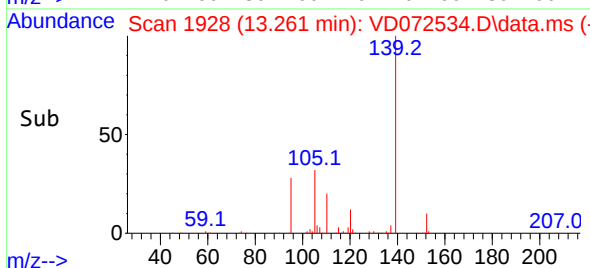
Reviewed By :John Carlone 04/06/2022
Supervised By :Mahesh Dadoda 04/06/2022

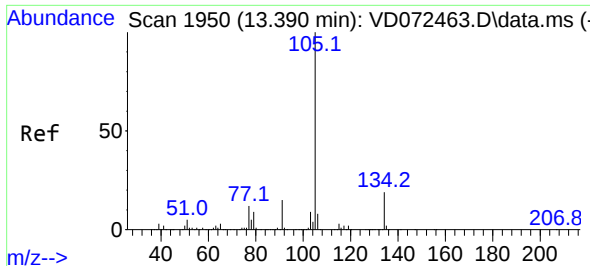


#84
1,2,4-Trimethylbenzene
Concen: 22.399 ug/l
RT: 13.261 min Scan# 1928
Delta R.T. -0.000 min
Lab File: VD072534.D
Acq: 05 Apr 2022 14:48



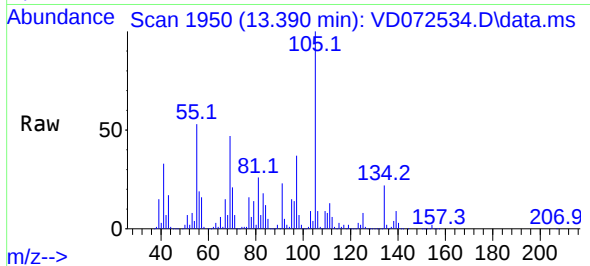
Tgt Ion:105 Resp: 339089
Ion Ratio Lower Upper
105 100
120 40.6 22.3 66.8





#85
 sec-Butylbenzene
 Concen: 177.850 ug/l
 RT: 13.390 min Scan# 1950
 Delta R.T. -0.000 min
 Lab File: VD072534.D
 Acq: 05 Apr 2022 14:48

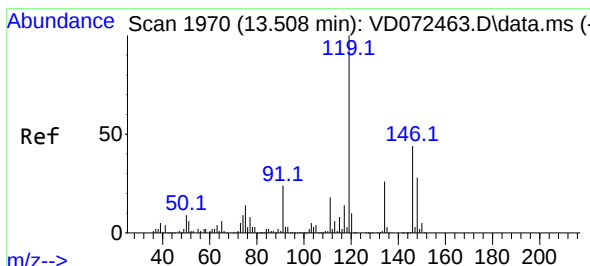
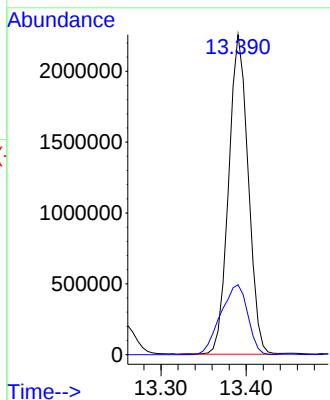
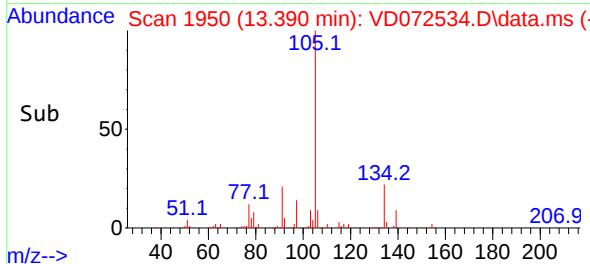
Instrument :
 MSVOA_D
 ClientSampleId :
 WC-14A-1A-4-GR-10



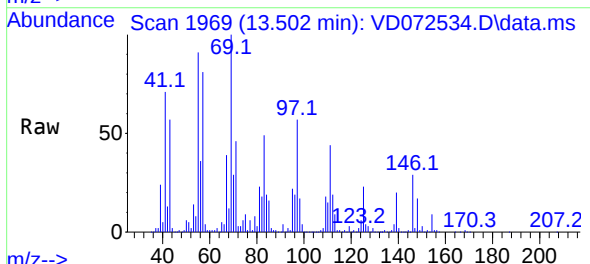
Tgt Ion:105 Resp: 359045
 Ion Ratio Lower Upper
 105 100
 134 30.3 9.8 29.3

Manual Integrations
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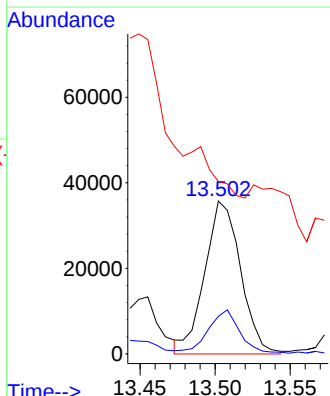
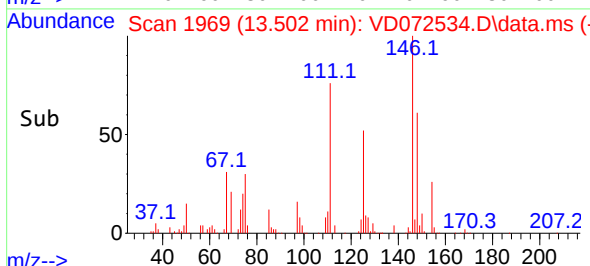
Reviewed By :John Carlone 04/06/2022
 Supervised By :Mahesh Dadoda 04/06/2022

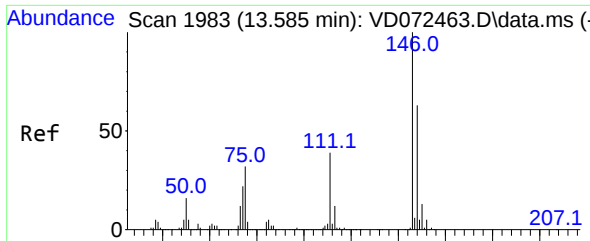


#86
 p-Isopropyltoluene
 Concen: 3.597 ug/l m
 RT: 13.502 min Scan# 1969
 Delta R.T. -0.006 min
 Lab File: VD072534.D
 Acq: 05 Apr 2022 14:48



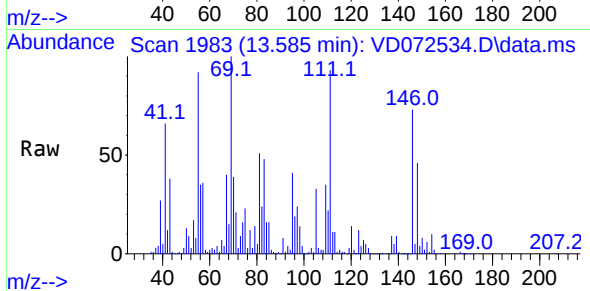
Tgt Ion:119 Resp: 59356
 Ion Ratio Lower Upper
 119 100
 134 320.3 12.9 38.6#
 91 356.4 12.1 36.3#





#88
1,4-Dichlorobenzene
Concen: 91.006 ug/l
RT: 13.585 min Scan# 1983
Delta R.T. -0.000 min
Lab File: VD072534.D
Acq: 05 Apr 2022 14:48

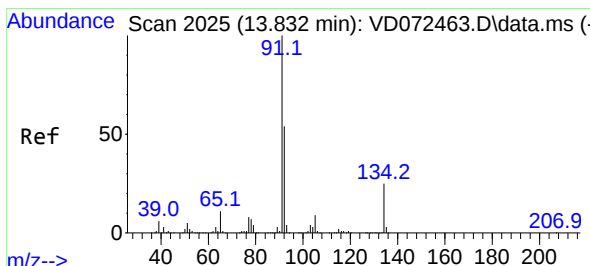
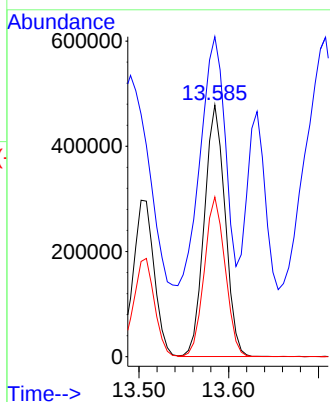
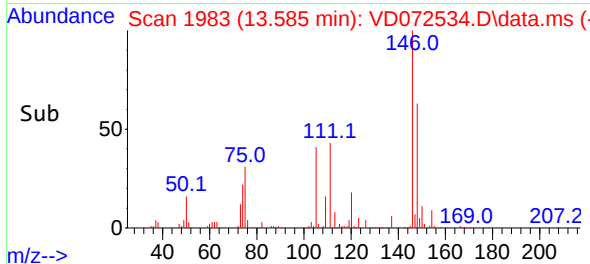
Instrument :
MSVOA_D
ClientSampleId :
WC-14A-1A-4-GR-10



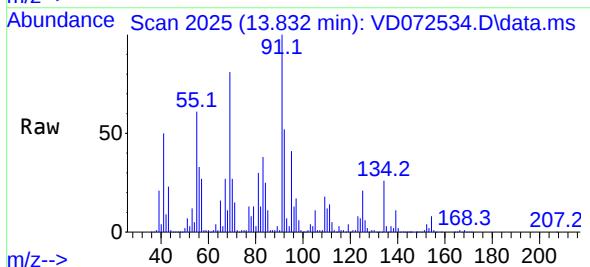
Tgt Ion:146 Resp: 770062
Ion Ratio Lower Upper
146 100
111 115.0 20.3 60.9
148 63.5 31.7 95.1

Manual Integrations
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Reviewed By :John Carlone 04/06/2022
Supervised By :Mahesh Dadoda 04/06/2022



#89
n-Butylbenzene
Concen: 104.080 ug/l
RT: 13.832 min Scan# 2025
Delta R.T. -0.000 min
Lab File: VD072534.D
Acq: 05 Apr 2022 14:48



Tgt Ion: 91 Resp: 1636088
Ion Ratio Lower Upper
91 100
92 48.7 26.6 79.8
134 42.7 12.3 36.9

