

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD040522\
 Data File : VD072535.D
 Acq On : 05 Apr 2022 15:17
 Operator : VA/SY
 Sample : N2247-09
 Misc : 4.80G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 WC-14A-1A-4-GR-15

Quant Time: Apr 06 01:12:56 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

Manual Integrations
 APPROVED

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

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	460651	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	882006	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	413650	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.679	152	234091	50.000	ug/l	0.11
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	280288	50.299	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 100.600%			
35) Dibromofluoromethane	7.914	113	278983	40.701	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 81.400%			
50) Toluene-d8	10.344	98	7550658	316.903	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 633.800%#			
62) 4-Bromofluorobenzene	12.620	95	2405180	258.475	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 516.960%#			
Target Compounds					Qvalue	
17) Carbon Disulfide	4.409	76	90035	12.945	ug/l	# 85
31) Cyclohexane	7.985	56	20085344	2756.553	ug/l	88
39) Methylcyclohexane	9.338	83	40522033m	3746.623	ug/l	
40) Benzene	8.344	78	35957	1.502	ug/l	91
65) Chlorobenzene	11.667	112	503558	54.449	ug/l	99
68) m/p-Xylenes	11.849	106	213923	34.943	ug/l	# 59
73) Isopropylbenzene	12.479	105	6240889	330.112	ug/l	99
78) n-propylbenzene	12.814	91	4418349	193.729	ug/l	99
80) 1,3,5-Trimethylbenzene	12.955	105	2691964	166.258	ug/l	100
83) tert-Butylbenzene	13.214	119	579678	41.355	ug/l	79
84) 1,2,4-Trimethylbenzene	13.261	105	4601787	290.643	ug/l	97
85) sec-Butylbenzene	13.390	105	4316945	204.461	ug/l	# 72
86) p-Isopropyltoluene	13.508	119	298501m	17.296	ug/l	
89) n-Butylbenzene	13.832	91	2351921	143.058	ug/l	# 77

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

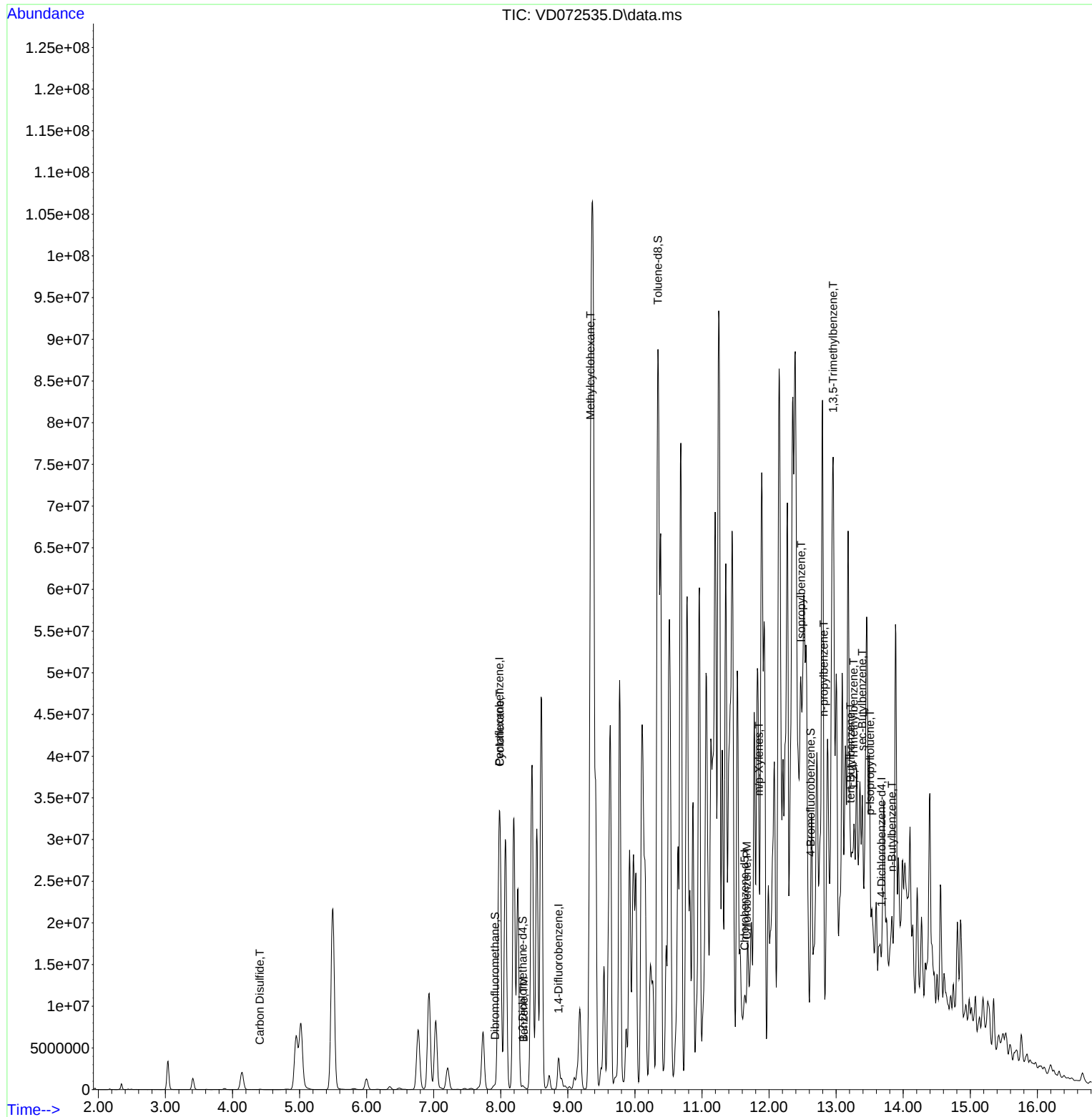
Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD040522\
Data File : VD072535.D
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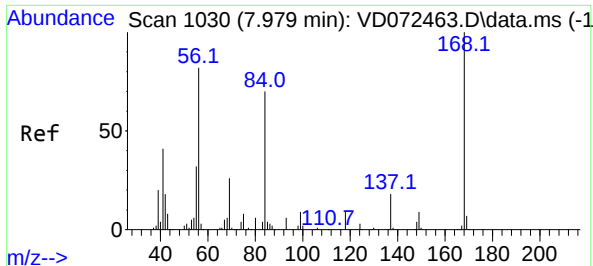
Instrument :
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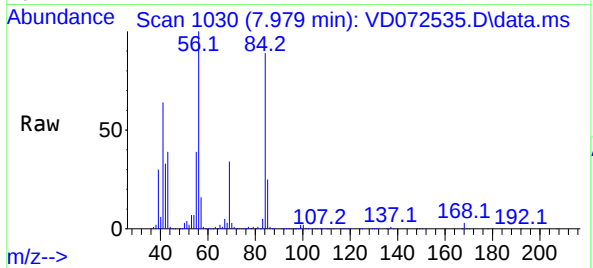
Quant Time: Apr 06 01:12:56 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D032922S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 30 02:44:36 2022
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD072535.D
Acq: 05 Apr 2022 15:17

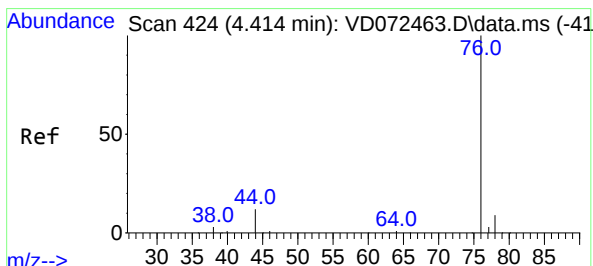
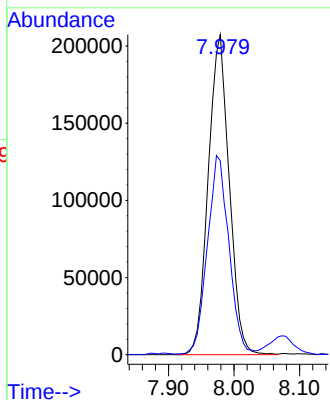
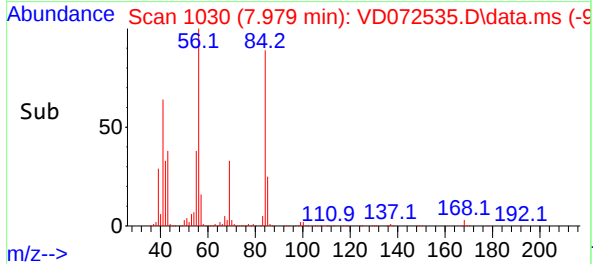
Instrument :
MSVOA_D
ClientSampleId :
WC-14A-1A-4-GR-15



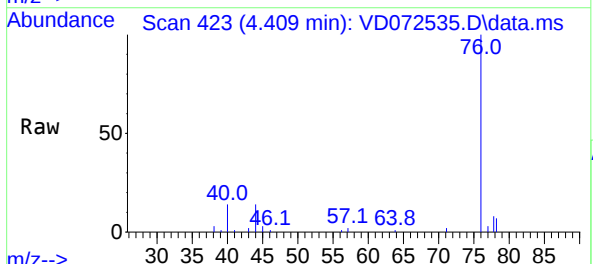
Tgt Ion:168 Resp: 46065
Ion Ratio Lower Upper
168 100
99 60.4 49.8 74.6

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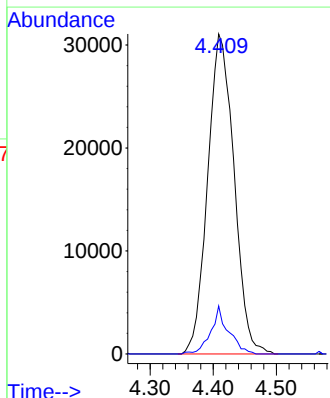
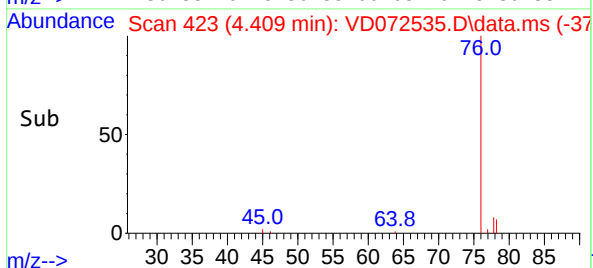
Reviewed By :John Carlone 04/06/2022
Supervised By :Mahesh Dadoda 04/06/2022

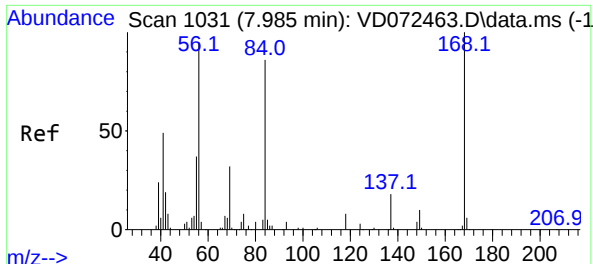


#17
Carbon Disulfide
Concen: 12.945 ug/l
RT: 4.409 min Scan# 423
Delta R.T. -0.005 min
Lab File: VD072535.D
Acq: 05 Apr 2022 15:17



Tgt Ion: 76 Resp: 90035
Ion Ratio Lower Upper
76 100
78 15.0 7.5 11.3#





#31

Cyclohexane

Concen: 2756.553 ug/l

RT: 7.985 min Scan# 1031

Delta R.T. 0.000 min

Lab File: VD072535.D

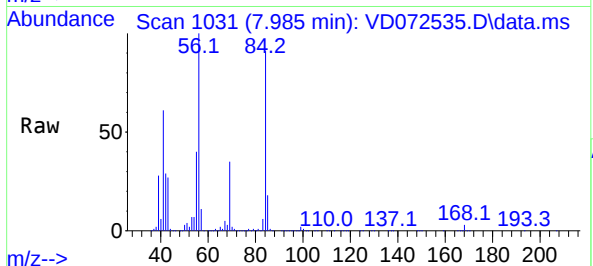
Acq: 05 Apr 2022 15:17

Instrument :

MSVOA_D

ClientSampleId :

WC-14A-1A-4-GR-15



Tgt Ion: 56 Resp: 2008534

Ion Ratio Lower Upper

56 100

69 34.9 25.4 38.2

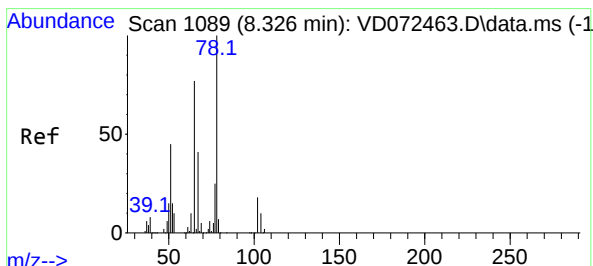
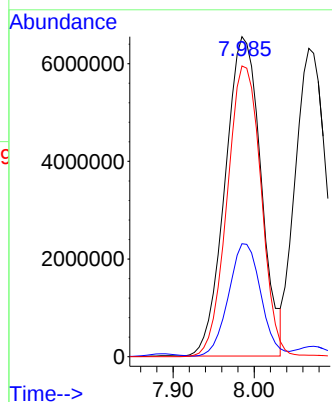
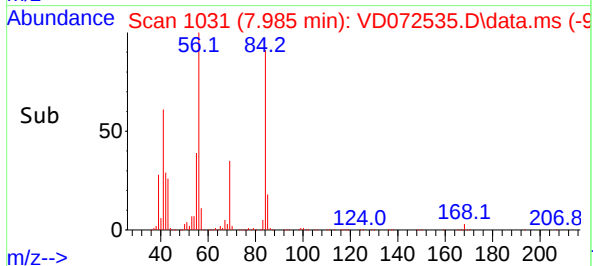
84 91.0 63.0 94.4

Manual Integrations

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#33

1,2-Dichloroethane-d4

Concen: 50.299 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. 0.000 min

Lab File: VD072535.D

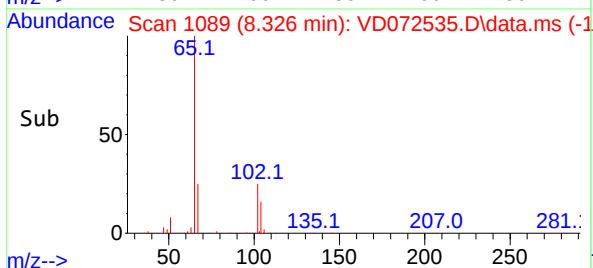
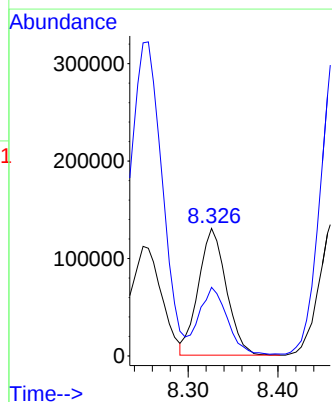
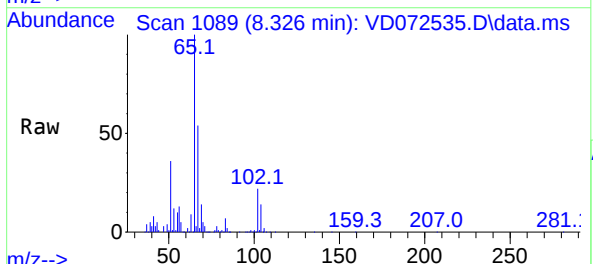
Acq: 05 Apr 2022 15:17

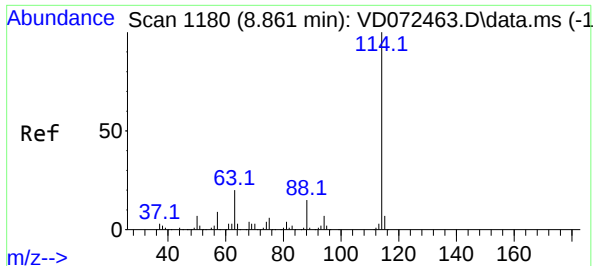
Tgt Ion: 65 Resp: 280288

Ion Ratio Lower Upper

65 100

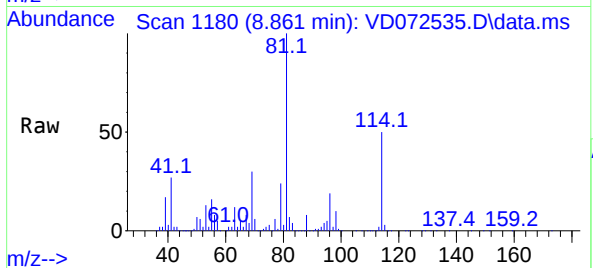
67 52.7 0.0 101.4





#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD072535.D
Acq: 05 Apr 2022 15:17

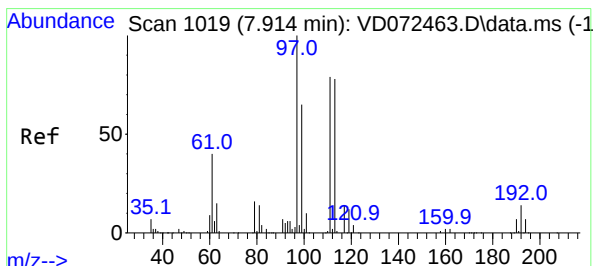
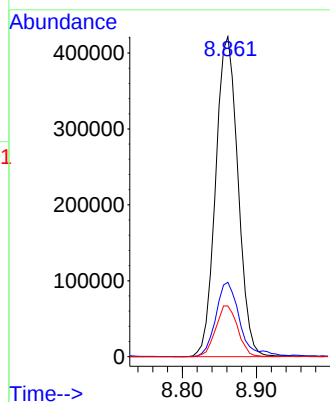
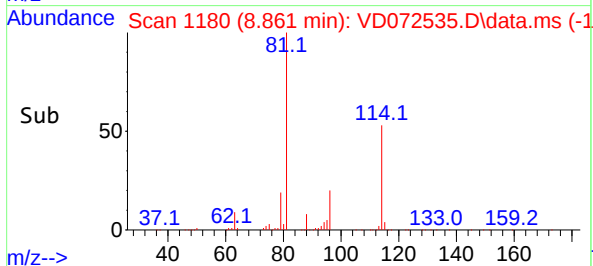
Instrument :
MSVOA_D
ClientSampleId :
WC-14A-1A-4-GR-15



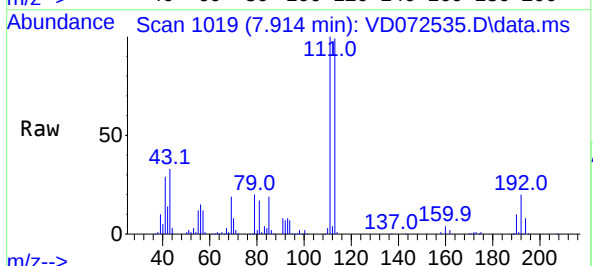
Tgt Ion:114 Resp: 882000
Ion Ratio Lower Upper
114 100
63 23.2 0.0 46.6
88 15.9 0.0 33.2

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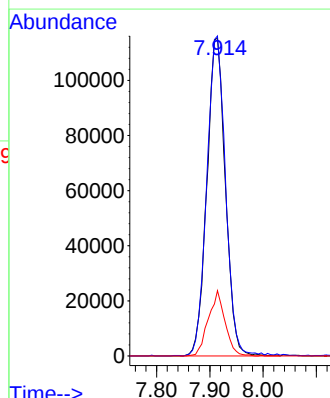
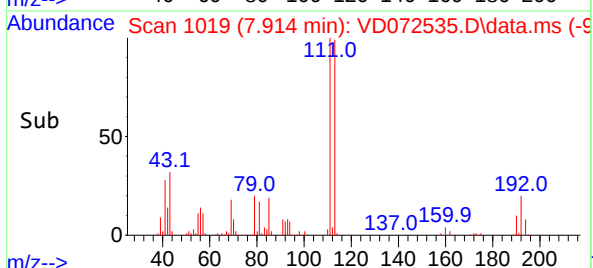
Reviewed By :John Carlone 04/06/2022
Supervised By :Mahesh Dadoda 04/06/2022

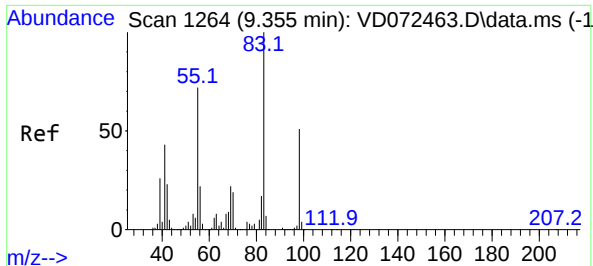


#35
Dibromofluoromethane
Concen: 40.701 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. 0.000 min
Lab File: VD072535.D
Acq: 05 Apr 2022 15:17



Tgt Ion:113 Resp: 278983
Ion Ratio Lower Upper
113 100
111 101.9 83.8 125.6
192 18.6 14.6 21.8





#39

Methylcyclohexane

Concen: 3746.623 ug/l m

RT: 9.338 min Scan# 1

Delta R.T. -0.017 min

Lab File: VD072535.D

Acq: 05 Apr 2022 15:17

Instrument :

MSVOA_D

ClientSampleId :

WC-14A-1A-4-GR-15

Tgt Ion: 83 Resp:4052203

Ion Ratio Lower Upper

83 100

55 100.0 63.2 94.8

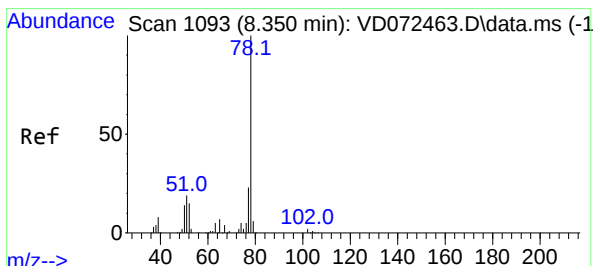
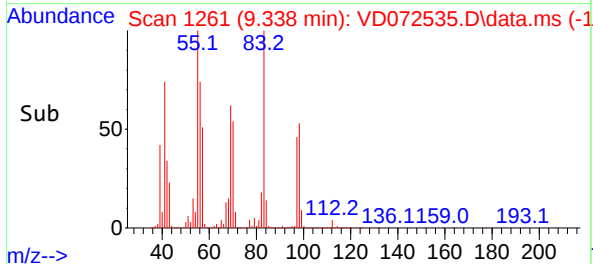
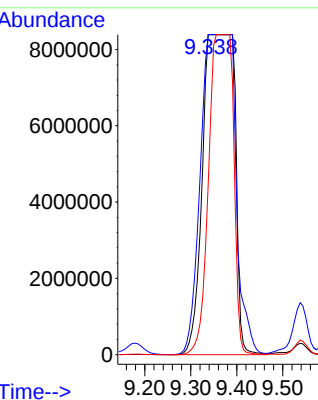
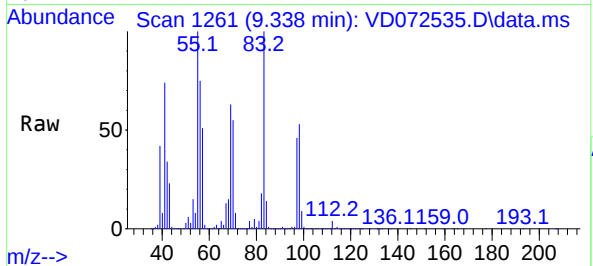
98 53.2 38.2 57.4

Manual Integrations

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Supervised By :Mahesh Dadoda 04/06/2022



#40

Benzene

Concen: 1.502 ug/l

RT: 8.344 min Scan# 1092

Delta R.T. -0.006 min

Lab File: VD072535.D

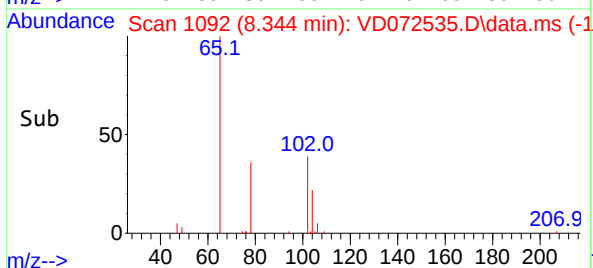
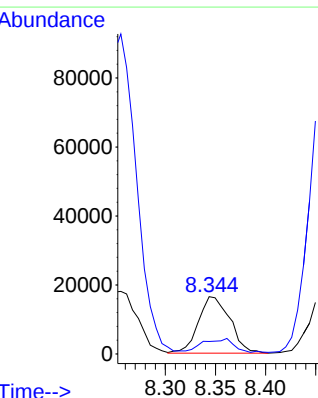
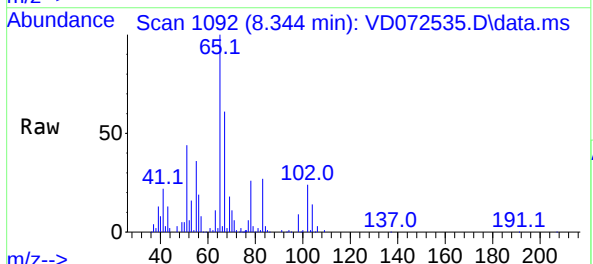
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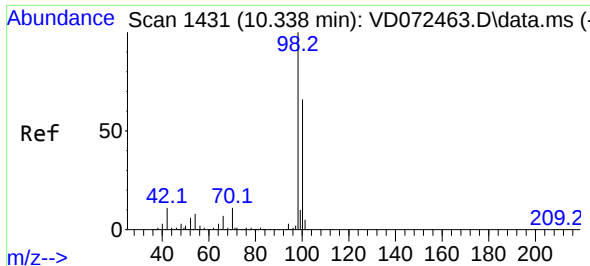
Tgt Ion: 78 Resp: 35957

Ion Ratio Lower Upper

78 100

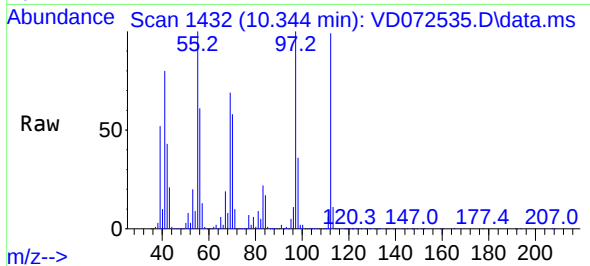
77 19.3 19.1 28.7





#50
Toluene-d8
Concen: 316.903 ug/l
RT: 10.344 min Scan# 1431
Delta R.T. 0.006 min
Lab File: VD072535.D
Acq: 05 Apr 2022 15:17

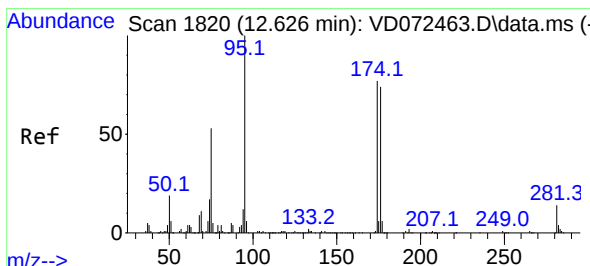
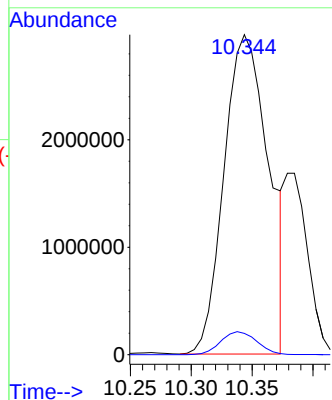
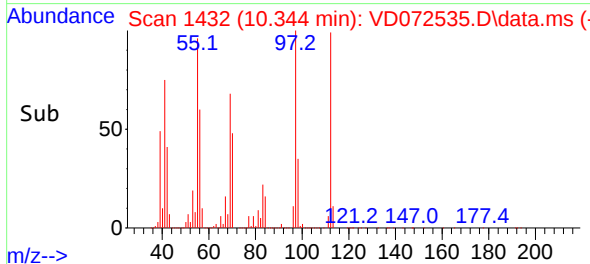
Instrument :
MSVOA_D
ClientSampleId :
WC-14A-1A-4-GR-15



Tgt Ion: 98 Resp: 7550658
Ion Ratio Lower Upper
98 100
100 5.9 52.4 78.6

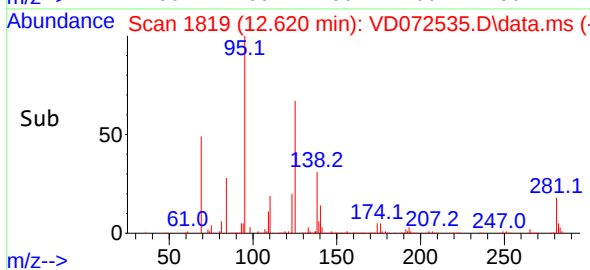
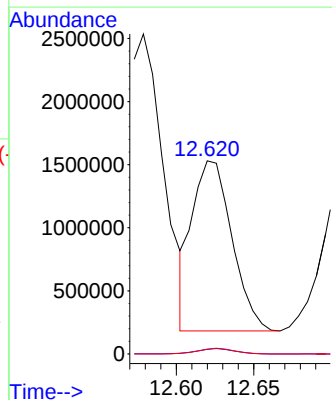
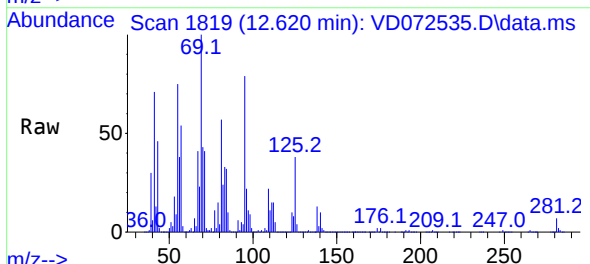
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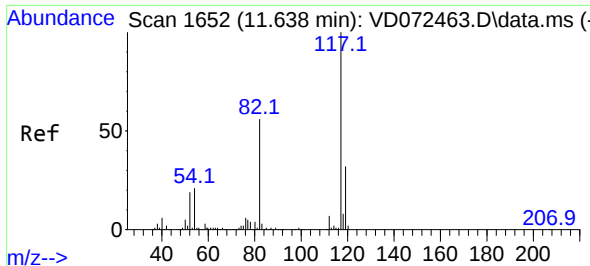
Reviewed By :John Carlone 04/06/2022
Supervised By :Mahesh Dadoda 04/06/2022



#62
4-Bromofluorobenzene
Concen: 258.475 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD072535.D
Acq: 05 Apr 2022 15:17

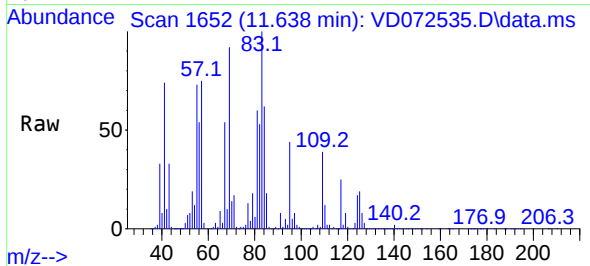
Tgt Ion: 95 Resp: 2405180
Ion Ratio Lower Upper
95 100
174 3.0 0.0 152.8
176 3.0 0.0 145.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD072535.D
Acq: 05 Apr 2022 15:17

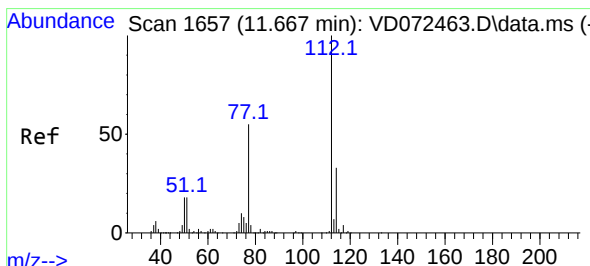
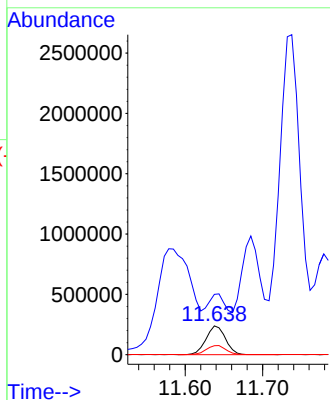
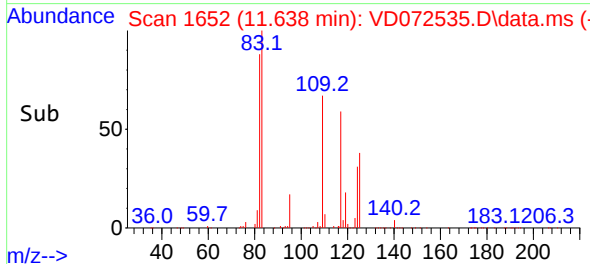
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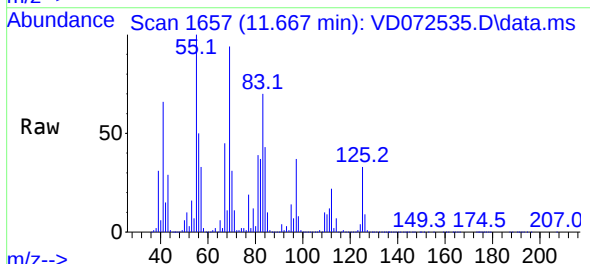
Tgt Ion:117 Resp: 413650
Ion Ratio Lower Upper
117 100
82 0.0 45.3 67.9
119 30.9 26.6 40.0

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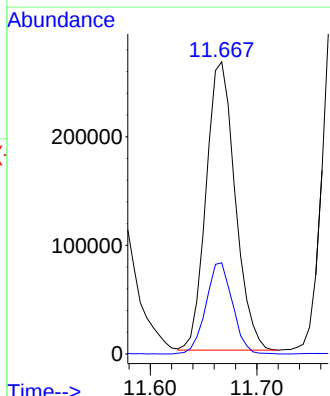
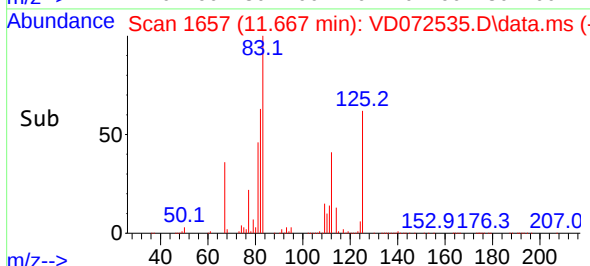
Reviewed By :John Carlone 04/06/2022
Supervised By :Mahesh Dadoda 04/06/2022

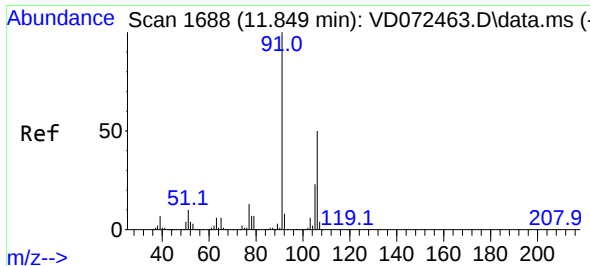


#65
Chlorobenzene
Concen: 54.449 ug/l
RT: 11.667 min Scan# 1657
Delta R.T. 0.000 min
Lab File: VD072535.D
Acq: 05 Apr 2022 15:17



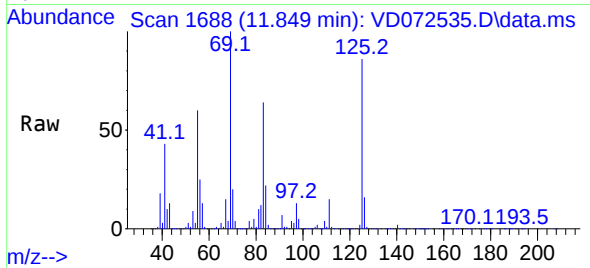
Tgt Ion:112 Resp: 503558
Ion Ratio Lower Upper
112 100
114 31.6 25.8 38.6





#68
m/p-Xylenes
Concen: 34.943 ug/l
RT: 11.849 min Scan# 106
Delta R.T. 0.000 min
Lab File: VD072535.D
Acq: 05 Apr 2022 15:17

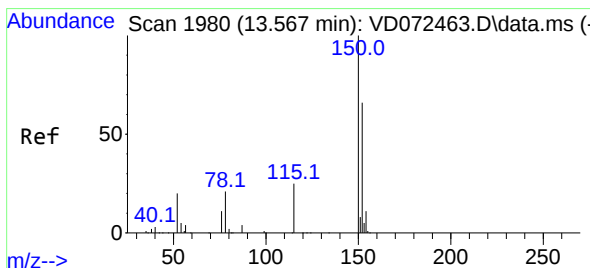
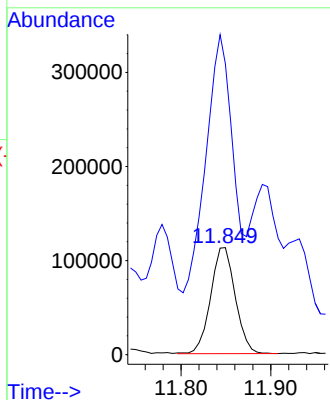
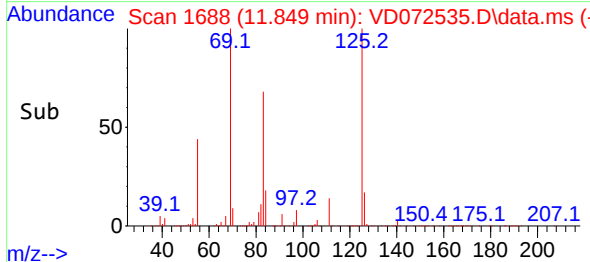
Instrument :
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ClientSampleId :
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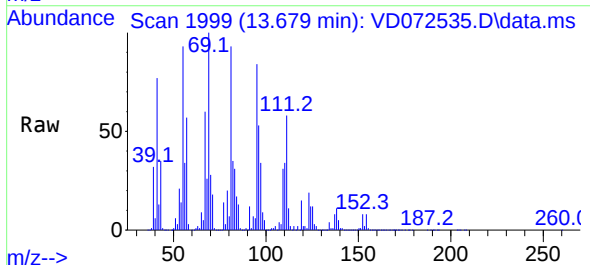
Tgt Ion:106 Resp: 21392
Ion Ratio Lower Upper
106 100
91 267.8 163.7 245.5

Manual Integrations
APPROVED

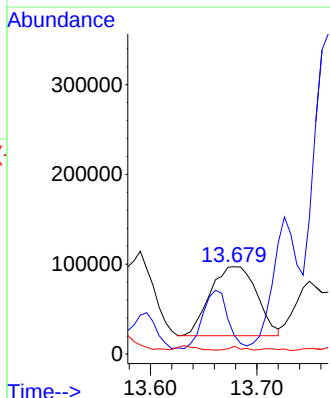
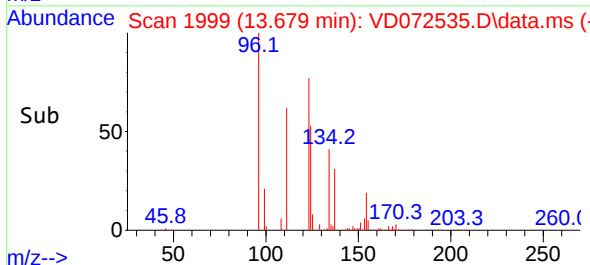
Reviewed By :John Carlone 04/06/2022
Supervised By :Mahesh Dadoda 04/06/2022

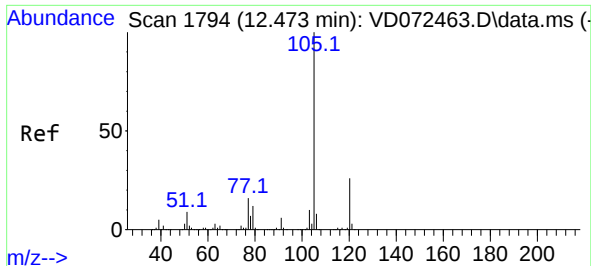


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.679 min Scan# 1999
Delta R.T. 0.112 min
Lab File: VD072535.D
Acq: 05 Apr 2022 15:17



Tgt Ion:152 Resp: 234091
Ion Ratio Lower Upper
152 100
115 45.3 31.3 93.8
150 1.7 0.0 348.6





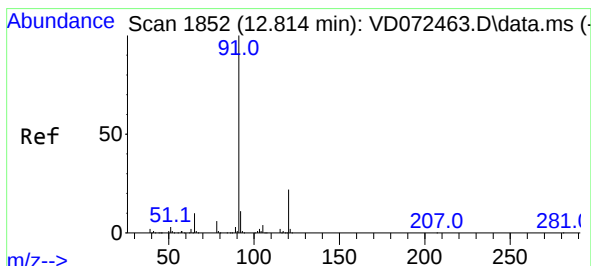
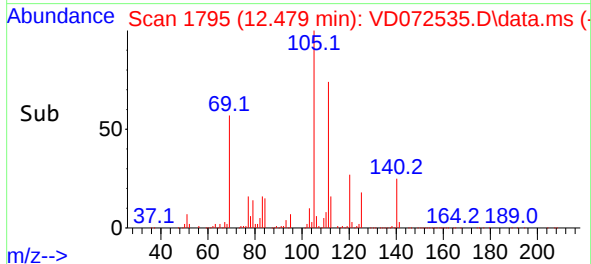
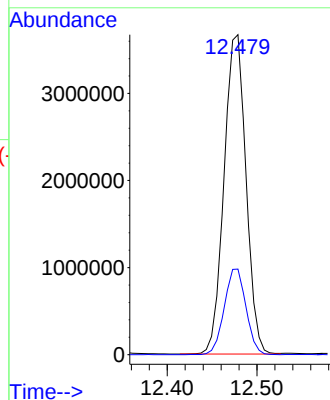
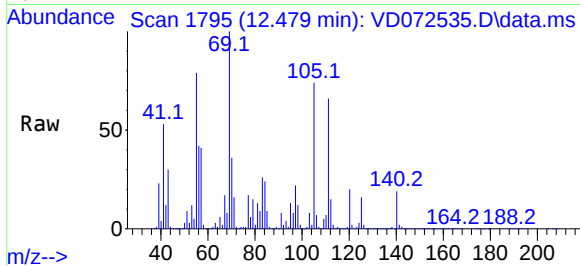
#73
Isopropylbenzene
Concen: 330.112 ug/l
RT: 12.479 min Scan# 1795
Delta R.T. 0.006 min
Lab File: VD072535.D
Acq: 05 Apr 2022 15:17

Instrument :
MSVOA_D
ClientSampleId :
WC-14A-1A-4-GR-15

Tgt Ion:105 Resp: 6240889
Ion Ratio Lower Upper
105 100
120 26.4 13.0 38.9

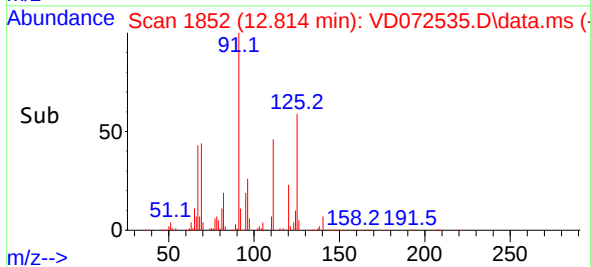
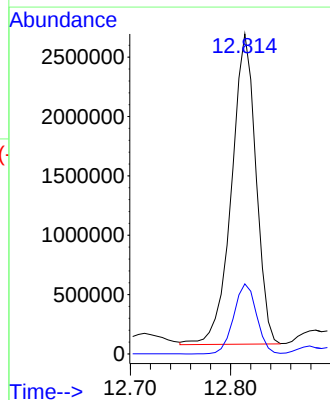
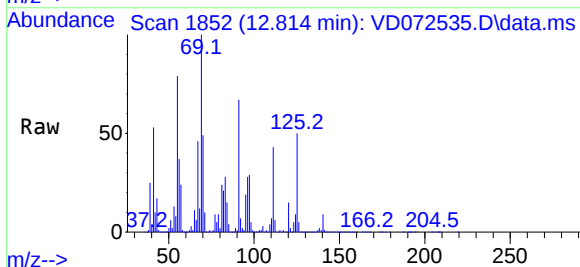
Manual Integrations
APPROVED

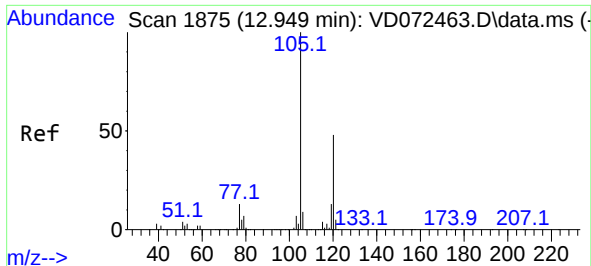
Reviewed By :John Carlone 04/06/2022
Supervised By :Mahesh Dadoda 04/06/2022



#78
n-propylbenzene
Concen: 193.729 ug/l
RT: 12.814 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VD072535.D
Acq: 05 Apr 2022 15:17

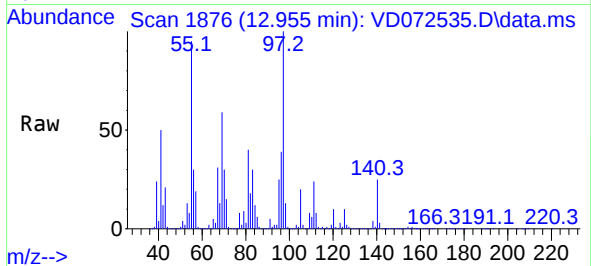
Tgt Ion: 91 Resp: 4418349
Ion Ratio Lower Upper
91 100
120 21.2 10.9 32.9





#80
1,3,5-Trimethylbenzene
Concen: 166.258 ug/l
RT: 12.955 min Scan# 1875
Delta R.T. 0.006 min
Lab File: VD072535.D
Acq: 05 Apr 2022 15:17

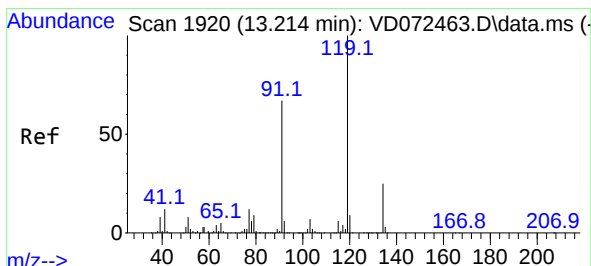
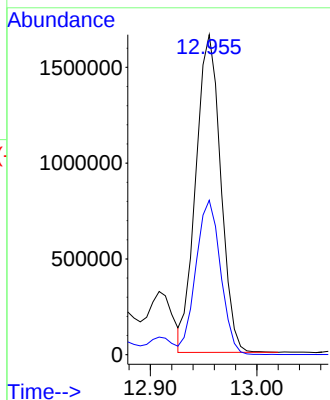
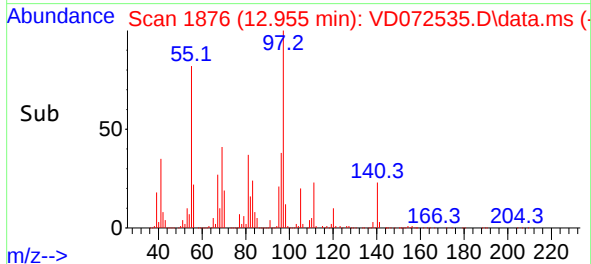
Instrument :
MSVOA_D
ClientSampleId :
WC-14A-1A-4-GR-15



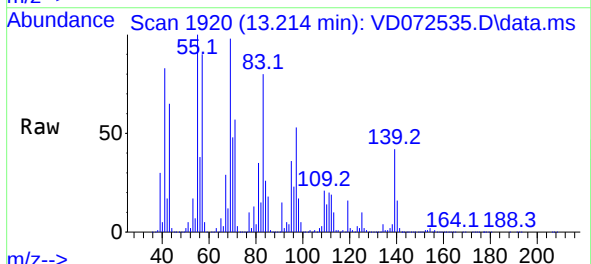
Tgt Ion:105 Resp: 2691964
Ion Ratio Lower Upper
105 100
120 48.3 24.3 72.8

Manual Integrations
APPROVED

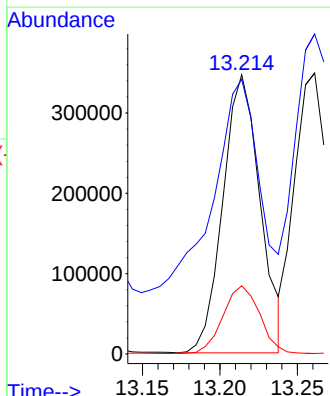
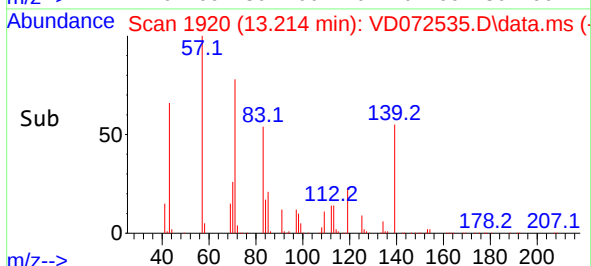
Reviewed By :John Carlone 04/06/2022
Supervised By :Mahesh Dadoda 04/06/2022

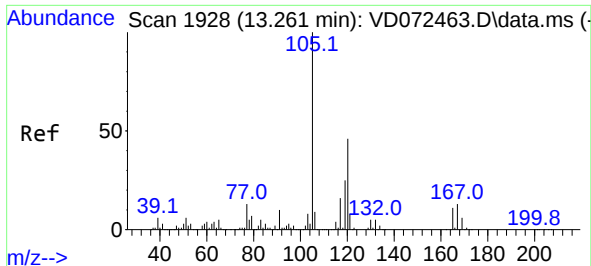


#83
tert-Butylbenzene
Concen: 41.355 ug/l
RT: 13.214 min Scan# 1920
Delta R.T. 0.000 min
Lab File: VD072535.D
Acq: 05 Apr 2022 15:17



Tgt Ion:119 Resp: 579678
Ion Ratio Lower Upper
119 100
91 92.2 34.8 104.5
134 24.6 13.3 39.9





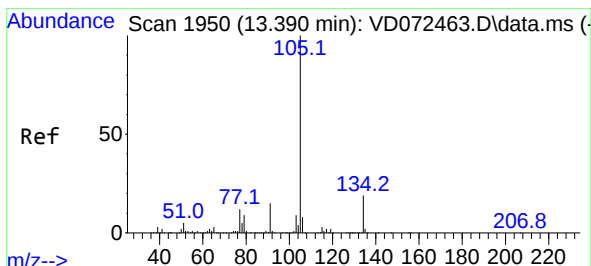
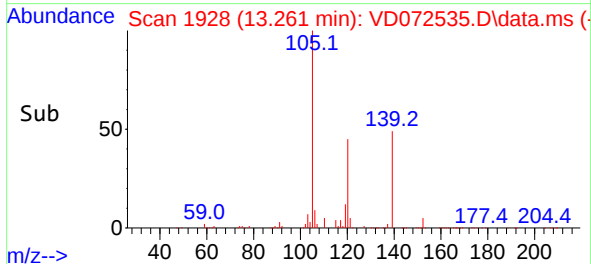
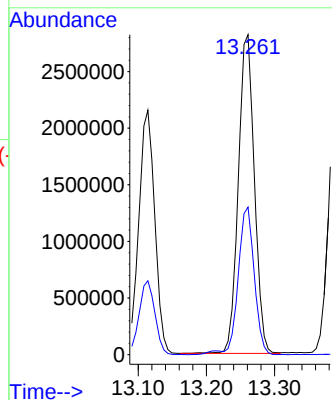
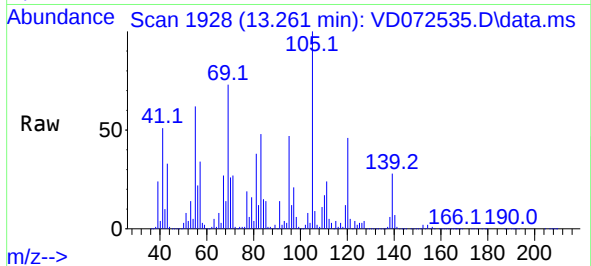
#84
1,2,4-Trimethylbenzene
Concen: 290.643 ug/l
RT: 13.261 min Scan# 1928
Delta R.T. 0.000 min
Lab File: VD072535.D
Acq: 05 Apr 2022 15:17

Instrument :
MSVOA_D
ClientSampleId :
WC-14A-1A-4-GR-15

Tgt Ion:105 Resp: 460178
Ion Ratio Lower Upper
105 100
120 46.6 22.3 66.8

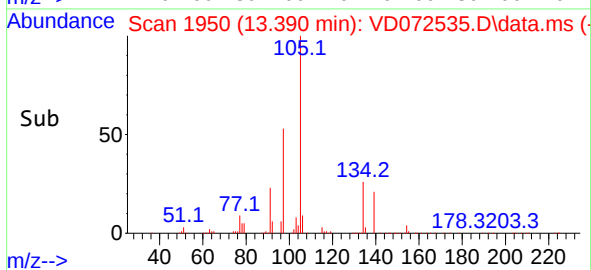
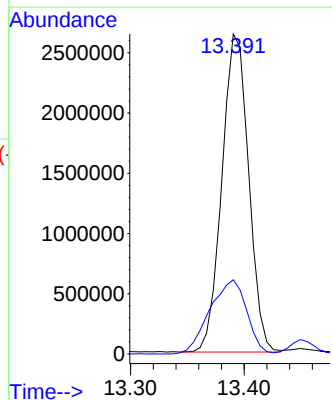
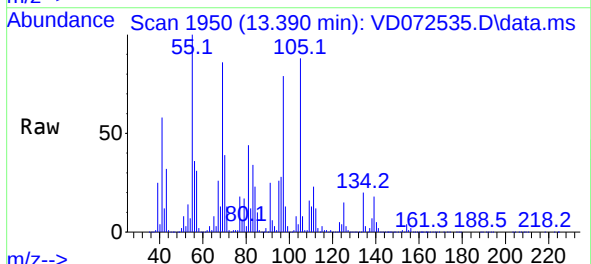
Manual Integrations
APPROVED

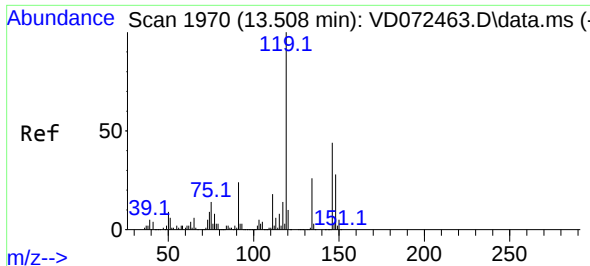
Reviewed By :John Carlone 04/06/2022
Supervised By :Mahesh Dadoda 04/06/2022



#85
sec-Butylbenzene
Concen: 204.461 ug/l
RT: 13.390 min Scan# 1950
Delta R.T. 0.000 min
Lab File: VD072535.D
Acq: 05 Apr 2022 15:17

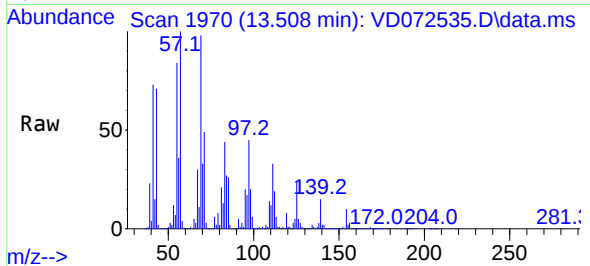
Tgt Ion:105 Resp: 4316945
Ion Ratio Lower Upper
105 100
134 32.1 9.8 29.3#





#86
p-Isopropyltoluene
Concen: 17.296 ug/l m
RT: 13.508 min Scan# 1970
Delta R.T. 0.000 min
Lab File: VD072535.D
Acq: 05 Apr 2022 15:17

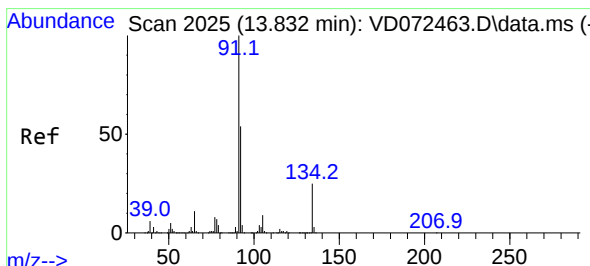
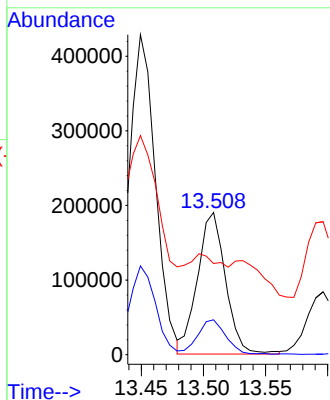
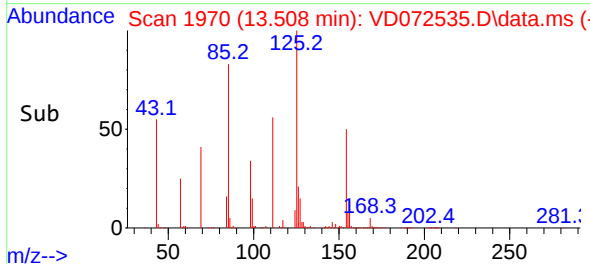
Instrument :
MSVOA_D
ClientSampleId :
WC-14A-1A-4-GR-15



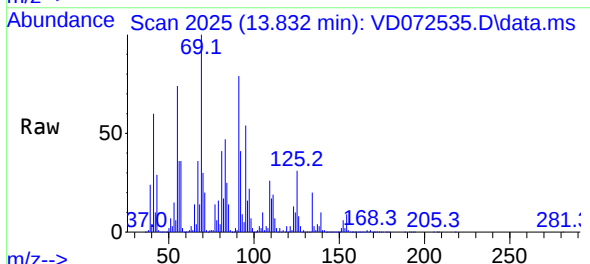
Tgt Ion: 119 Resp: 298500
Ion Ratio Lower Upper
119 100
134 117.2 12.9 38.6
91 140.4 12.1 36.3

Manual Integrations
APPROVED

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



#89
n-Butylbenzene
Concen: 143.058 ug/l
RT: 13.832 min Scan# 2025
Delta R.T. 0.000 min
Lab File: VD072535.D
Acq: 05 Apr 2022 15:17



Tgt Ion: 91 Resp: 2351921
Ion Ratio Lower Upper
91 100
92 45.9 26.6 79.8
134 0.0 12.3 36.9

