

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051322\
 Data File : VD072993.D
 Acq On : 13 May 2022 16:55
 Operator : VA/SY
 Sample : N2685-06
 Misc : 4.50G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 WC-14B-5

Manual Integrations
 APPROVED

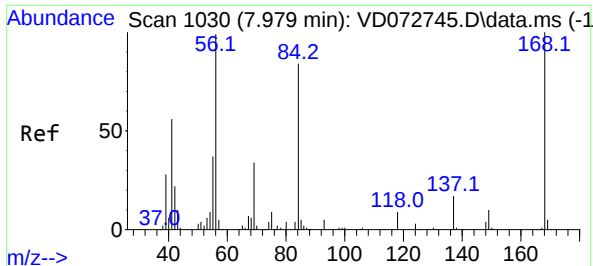
Reviewed By :Krupa Patel 05/16/2022
 Supervised By :Mahesh Dadoda 05/16/2022

Quant Time: May 16 05:15:07 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)

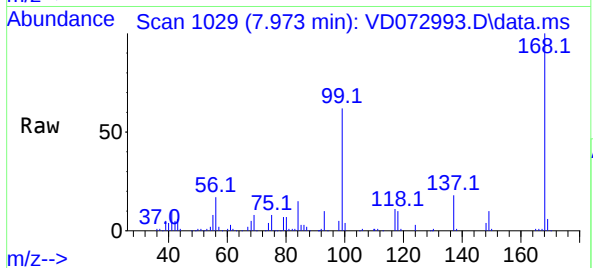
Internal Standards						
1) Pentafluorobenzene	7.973	168	258860	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	499835	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	403652	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	167101	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	162897	48.478	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	96.960%		
35) Dibromofluoromethane	7.909	113	54278	15.462	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	30.920%#		
50) Toluene-d8	10.332	98	658381	52.285	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	104.580%		
62) 4-Bromofluorobenzene	12.614	95	315644	67.226	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	134.460%		
Target Compounds					Qvalue	
16) Acetone	4.156	43	82194	123.641	ug/l	90
17) Carbon Disulfide	4.409	76	220760	22.493	ug/l	99
25) 2-Butanone	7.209	43	34452	35.189	ug/l	92
31) Cyclohexane	7.979	56	59429	10.117	ug/l #	80
39) Methylcyclohexane	9.350	83	586480	88.581	ug/l	94
52) Toluene	10.397	92	20946	2.037	ug/l	95
67) Ethyl Benzene	11.738	91	71514	4.426	ug/l	96
68) m/p-Xylenes	11.838	106	65385	10.505	ug/l	74
69) o-Xylene	12.167	106	41538	7.146	ug/l	69
73) Isopropylbenzene	12.467	105	746467	57.416	ug/l	100
78) n-propylbenzene	12.808	91	459555	28.046	ug/l	99
80) 1,3,5-Trimethylbenzene	12.949	105	131650	11.942	ug/l	97
83) tert-Butylbenzene	13.208	119	161197	17.199	ug/l	92
84) 1,2,4-Trimethylbenzene	13.255	105	293909	26.673	ug/l	99
85) sec-Butylbenzene	13.385	105	923726	65.348	ug/l #	73
86) p-Isopropyltoluene	13.502	119	41015m	3.539	ug/l	
89) n-Butylbenzene	13.826	91	344906	30.721	ug/l #	91

(#) = 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: VD072993.D
Acq: 13 May 2022 16:55

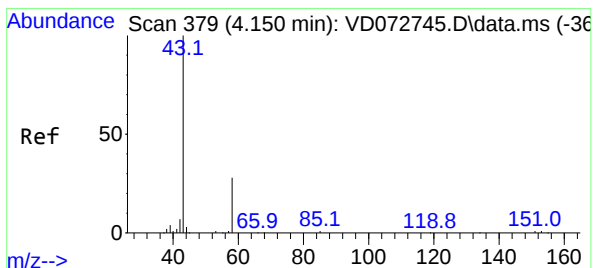
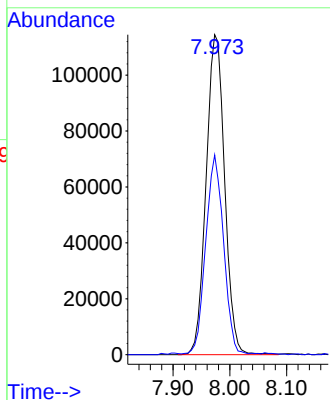
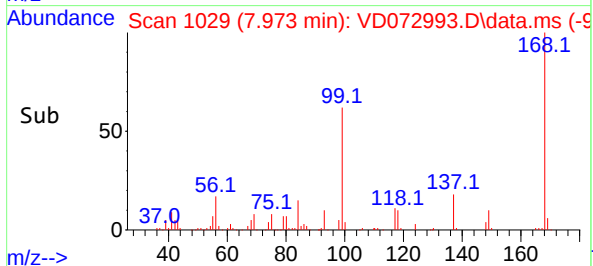
Instrument :
MSVOA_D
ClientSampleId :
WC-14B-5



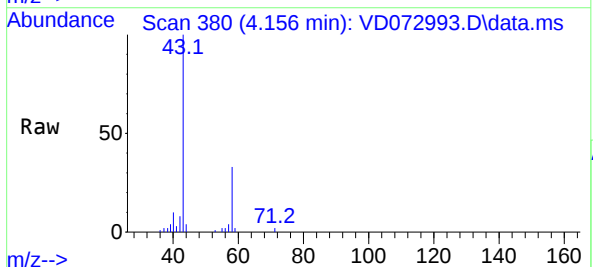
Tgt Ion:168 Resp: 258860
Ion Ratio Lower Upper
168 100
99 62.2 49.8 74.6

Manual Integrations
APPROVED

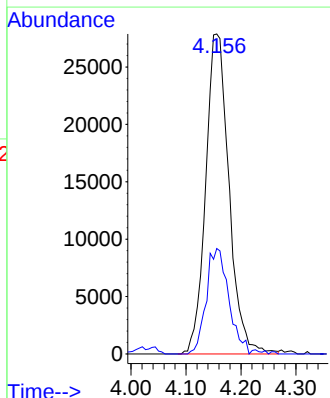
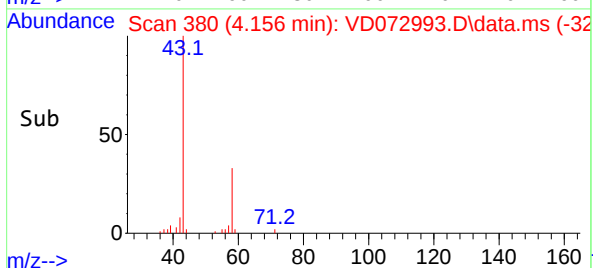
Reviewed By :Krupa Patel 05/16/2022
Supervised By :Mahesh Dadoda 05/16/2022

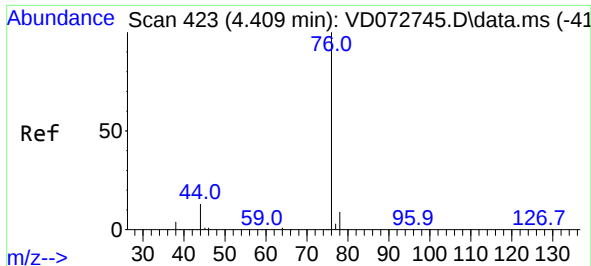


#16
Acetone
Concen: 123.641 ug/l
RT: 4.156 min Scan# 380
Delta R.T. 0.006 min
Lab File: VD072993.D
Acq: 13 May 2022 16:55



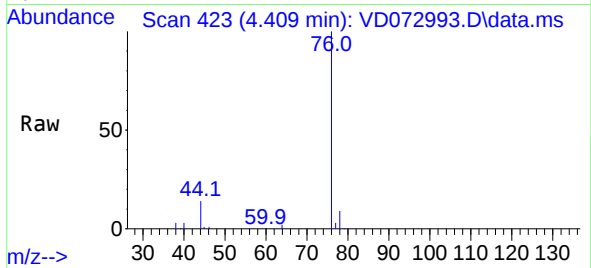
Tgt Ion: 43 Resp: 82194
Ion Ratio Lower Upper
43 100
58 32.9 22.1 33.1





#17
Carbon Disulfide
Concen: 22.493 ug/l
RT: 4.409 min Scan# 41
Delta R.T. -0.000 min
Lab File: VD072993.D
Acq: 13 May 2022 16:55

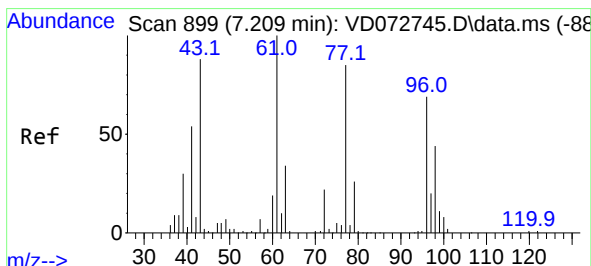
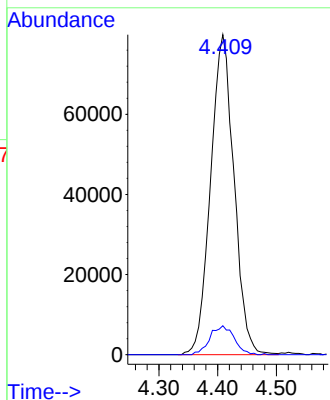
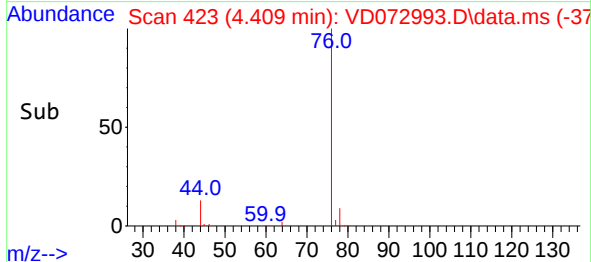
Instrument :
MSVOA_D
ClientSampleId :
WC-14B-5



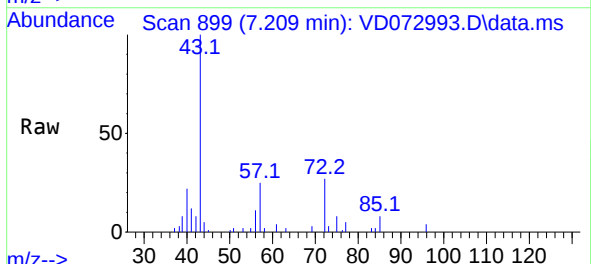
Tgt Ion: 76 Resp: 220760
Ion Ratio Lower Upper
76 100
78 9.0 7.5 11.3

Manual Integrations
APPROVED

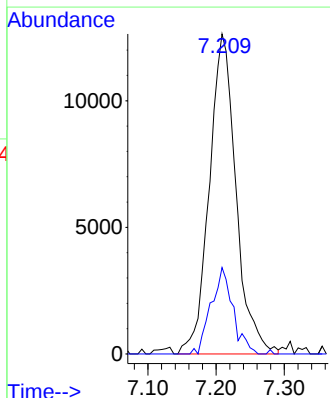
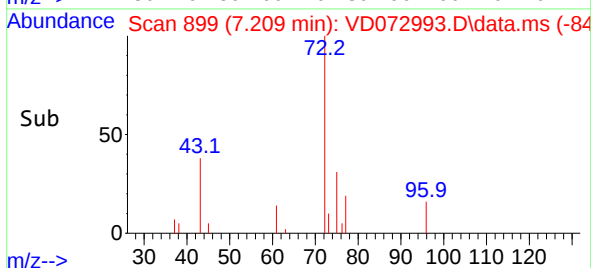
Reviewed By :Krupa Patel 05/16/2022
Supervised By :Mahesh Dadoda 05/16/2022

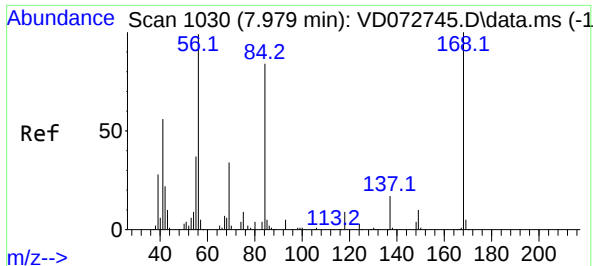


#25
2-Butanone
Concen: 35.189 ug/l
RT: 7.209 min Scan# 899
Delta R.T. -0.000 min
Lab File: VD072993.D
Acq: 13 May 2022 16:55



Tgt Ion: 43 Resp: 34452
Ion Ratio Lower Upper
43 100
72 27.0 18.6 27.8





#31

Cyclohexane

Concen: 10.117 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. 0.000 min

Lab File: VD072993.D

Acq: 13 May 2022 16:55

Instrument :

MSVOA_D

ClientSampleId :

WC-14B-5

Tgt Ion: 56 Resp: 59429

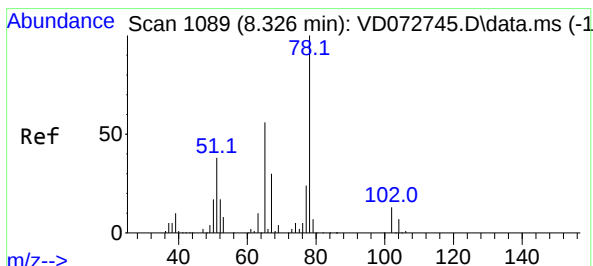
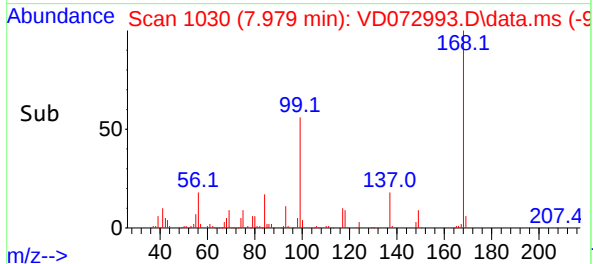
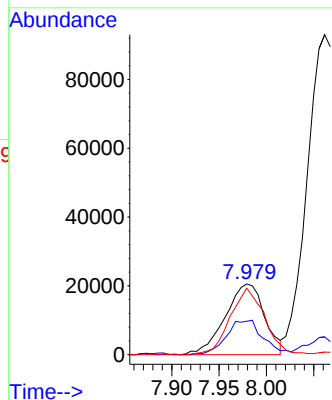
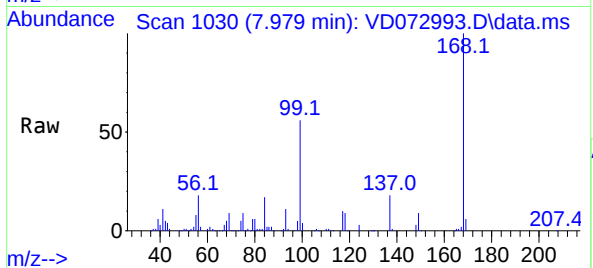
Ion	Ratio	Lower	Upper
56	100		
69	47.3	25.4	38.2
84	93.9	63.0	94.4

Manual Integrations

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Reviewed By :Krupa Patel 05/16/2022

Supervised By :Mahesh Dadoda 05/16/2022



#33

1,2-Dichloroethane-d4

Concen: 48.478 ug/l

RT: 8.320 min Scan# 1088

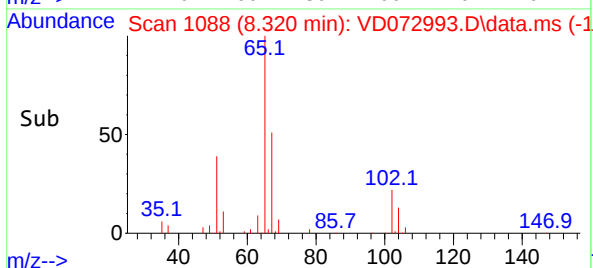
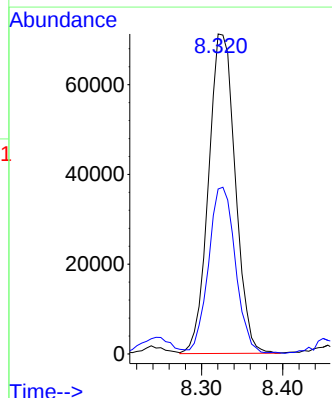
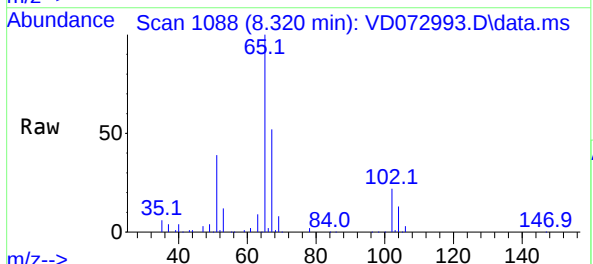
Delta R.T. -0.006 min

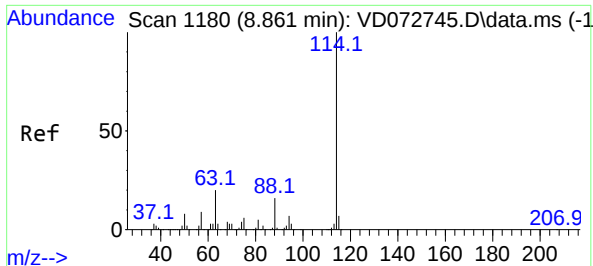
Lab File: VD072993.D

Acq: 13 May 2022 16:55

Tgt Ion: 65 Resp: 162897

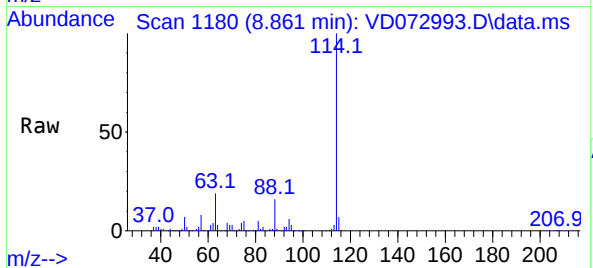
Ion	Ratio	Lower	Upper
65	100		
67	52.1	0.0	101.4





#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD072993.D
Acq: 13 May 2022 16:55

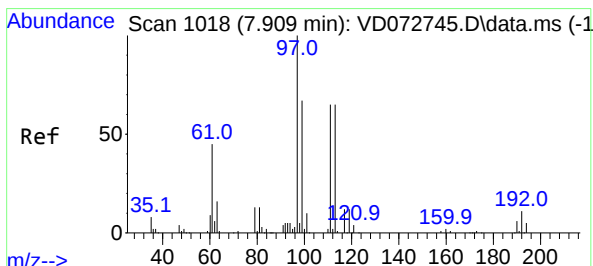
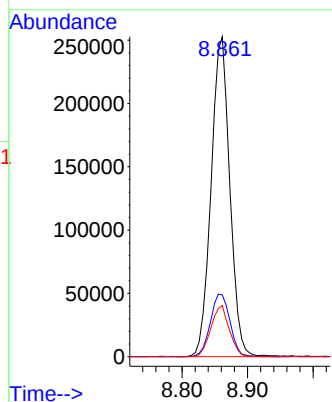
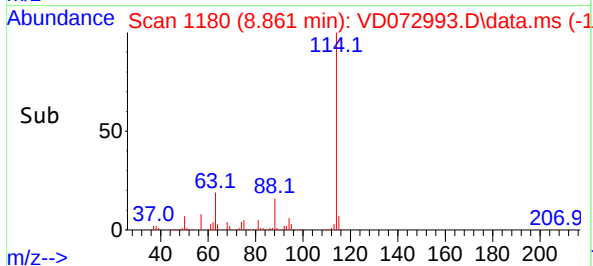
Instrument :
MSVOA_D
ClientSampleId :
WC-14B-5



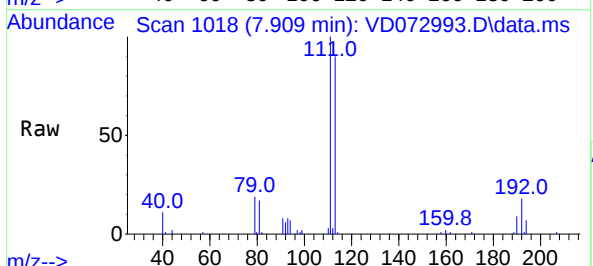
Tgt Ion:114 Resp: 499835
Ion Ratio Lower Upper
114 100
63 19.3 0.0 46.6
88 16.0 0.0 33.2

Manual Integrations
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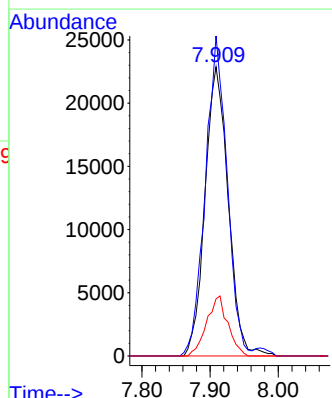
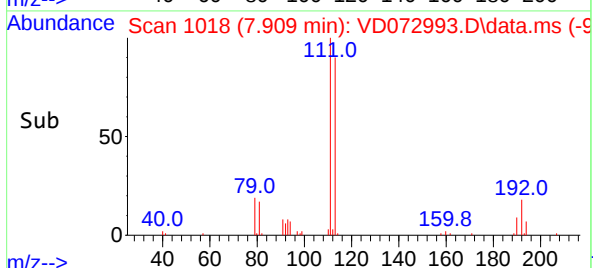
Reviewed By :Krupa Patel 05/16/2022
Supervised By :Mahesh Dadoda 05/16/2022

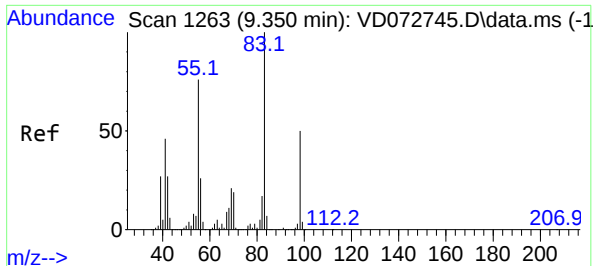


#35
Dibromofluoromethane
Concen: 15.462 ug/l
RT: 7.909 min Scan# 1018
Delta R.T. -0.000 min
Lab File: VD072993.D
Acq: 13 May 2022 16:55



Tgt Ion:113 Resp: 54278
Ion Ratio Lower Upper
113 100
111 103.7 83.8 125.6
192 18.9 14.6 21.8





#39

Methylcyclohexane

Concen: 88.581 ug/l

RT: 9.350 min Scan# 1263

Delta R.T. -0.000 min

Lab File: VD072993.D

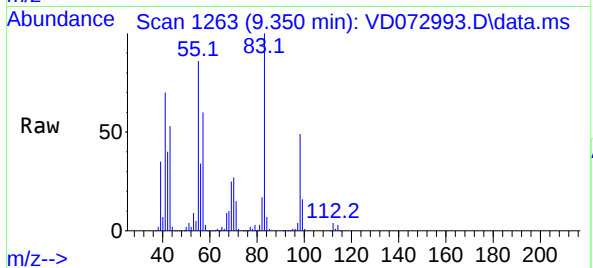
Acq: 13 May 2022 16:55

Instrument :

MSVOA_D

ClientSampleId :

WC-14B-5



Tgt Ion: 83 Resp: 586480

Ion Ratio Lower Upper

83 100

55 86.0 63.2 94.8

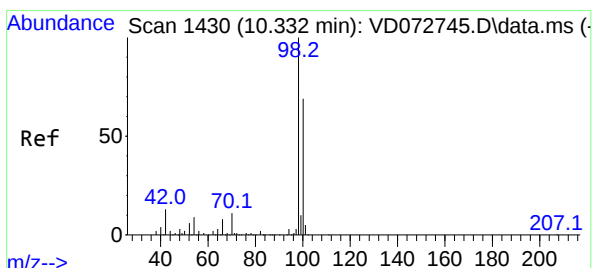
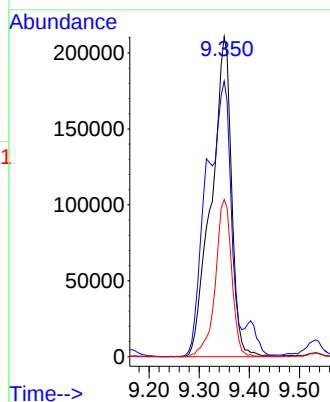
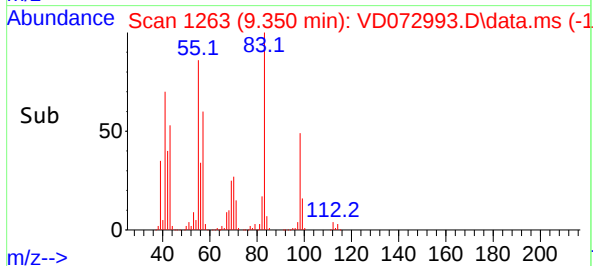
98 49.1 38.2 57.4

Manual Integrations

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Reviewed By :Krupa Patel 05/16/2022

Supervised By :Mahesh Dadoda 05/16/2022



#50

Toluene-d8

Concen: 52.285 ug/l

RT: 10.332 min Scan# 1430

Delta R.T. -0.000 min

Lab File: VD072993.D

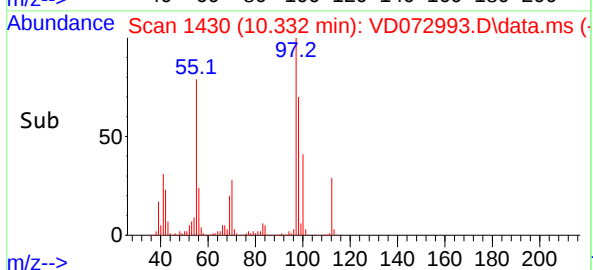
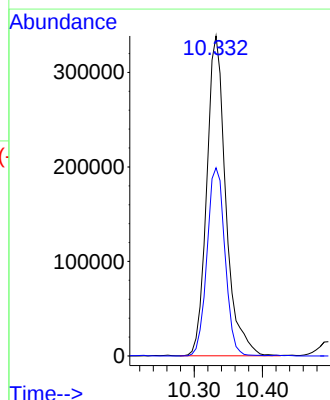
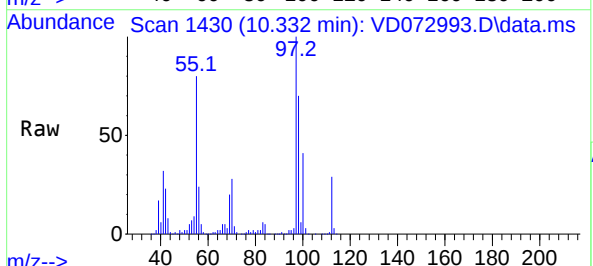
Acq: 13 May 2022 16:55

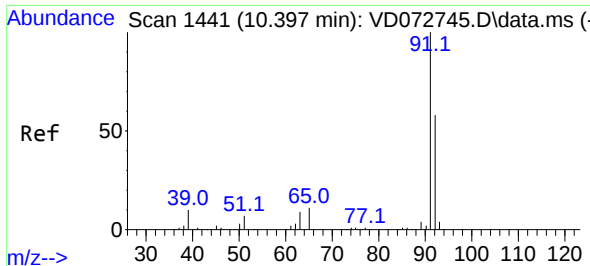
Tgt Ion: 98 Resp: 658381

Ion Ratio Lower Upper

98 100

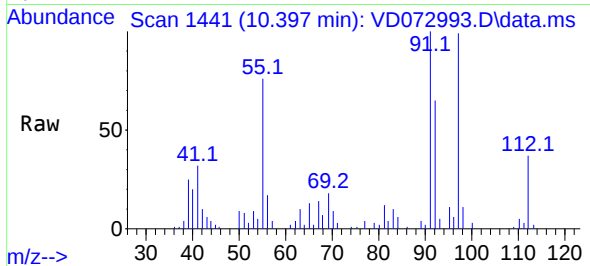
100 55.4 52.4 78.6





#52
Toluene
Concen: 2.037 ug/l
RT: 10.397 min Scan# 1441
Delta R.T. -0.000 min
Lab File: VD072993.D
Acq: 13 May 2022 16:55

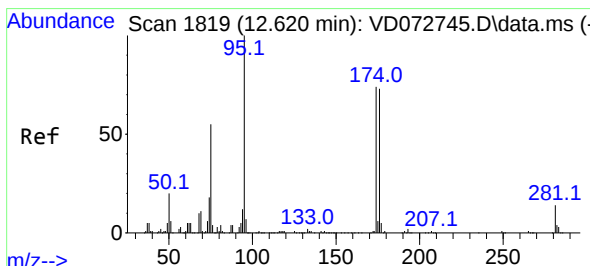
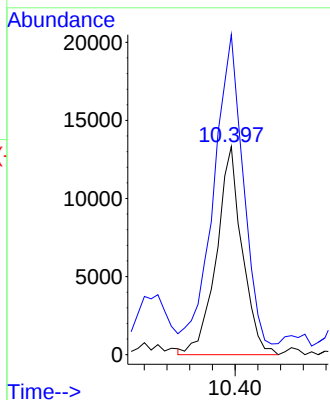
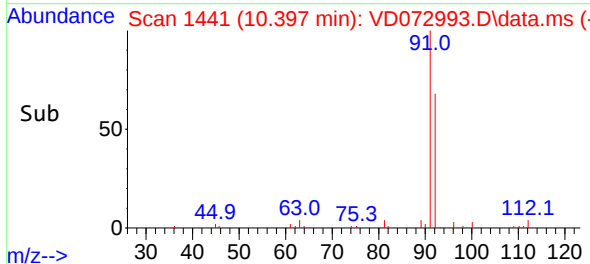
Instrument :
MSVOA_D
ClientSampleId :
WC-14B-5



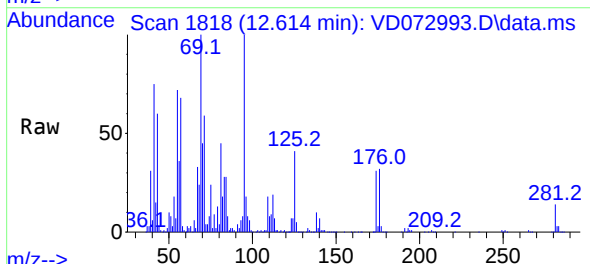
Tgt Ion: 92 Resp: 20940
Ion Ratio Lower Upper
92 100
91 167.1 139.6 209.4

Manual Integrations
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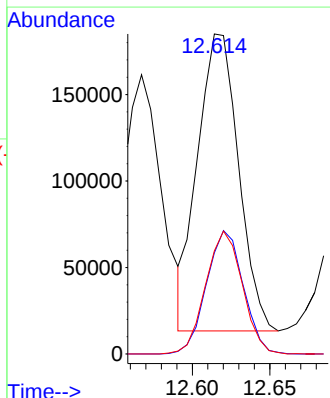
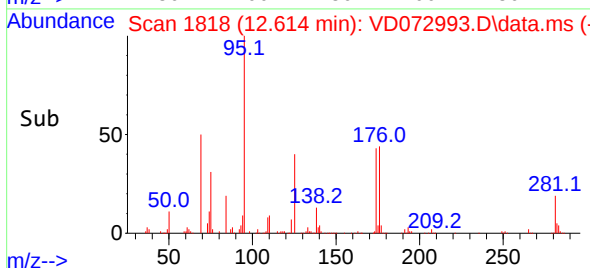
Reviewed By :Krupa Patel 05/16/2022
Supervised By :Mahesh Dadoda 05/16/2022

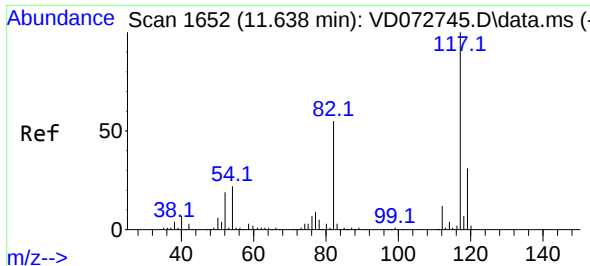


#62
4-Bromofluorobenzene
Concen: 67.226 ug/l
RT: 12.614 min Scan# 1818
Delta R.T. -0.006 min
Lab File: VD072993.D
Acq: 13 May 2022 16:55



Tgt Ion: 95 Resp: 315644
Ion Ratio Lower Upper
95 100
174 37.3 0.0 152.8
176 36.9 0.0 145.4





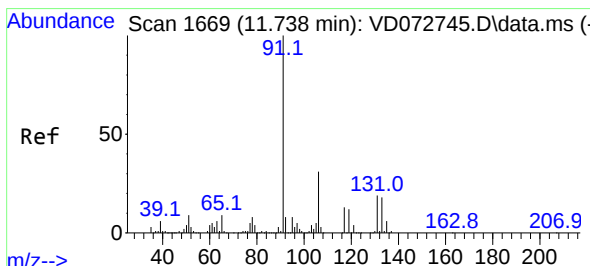
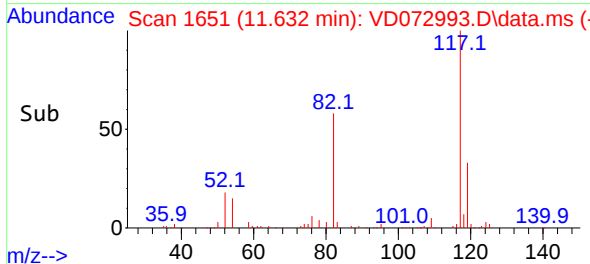
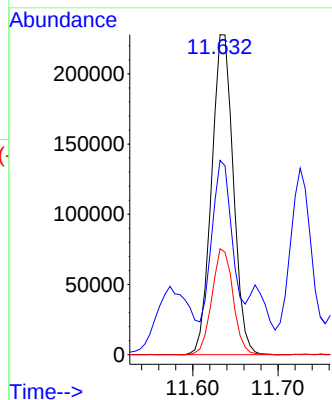
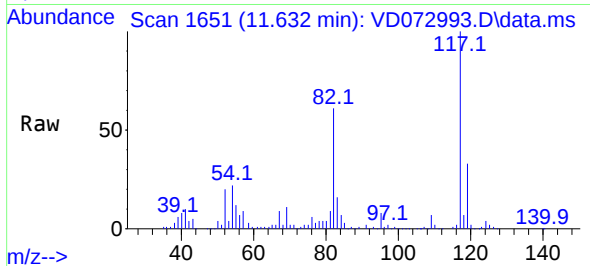
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 117
Delta R.T. -0.006 min
Lab File: VD072993.D
Acq: 13 May 2022 16:55

Instrument :
MSVOA_D
ClientSampleId :
WC-14B-5

Tgt Ion:117 Resp: 403652
Ion Ratio Lower Upper
117 100
82 50.7 45.3 67.9
119 33.1 26.6 40.0

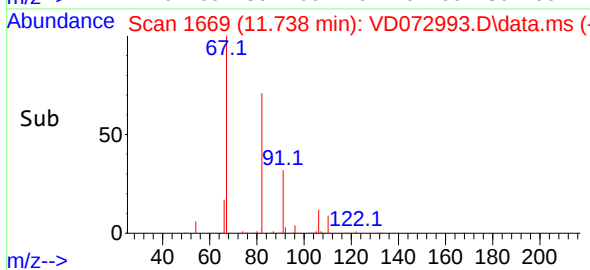
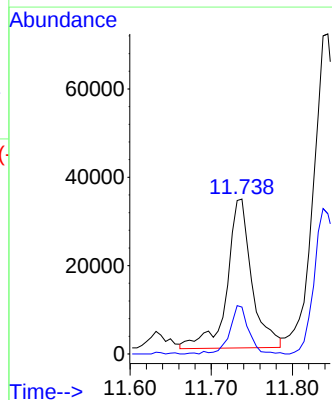
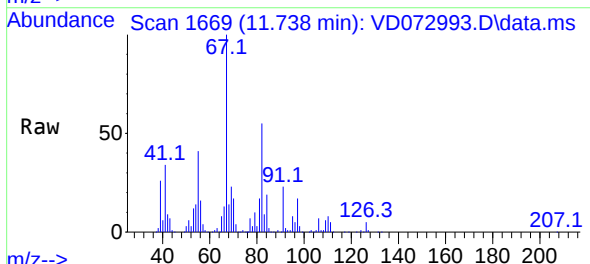
Manual Integrations
APPROVED

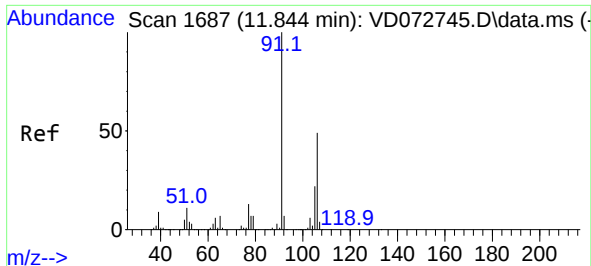
Reviewed By :Krupa Patel 05/16/2022
Supervised By :Mahesh Dadoda 05/16/2022



#67
Ethyl Benzene
Concen: 4.426 ug/l
RT: 11.738 min Scan# 1669
Delta R.T. -0.000 min
Lab File: VD072993.D
Acq: 13 May 2022 16:55

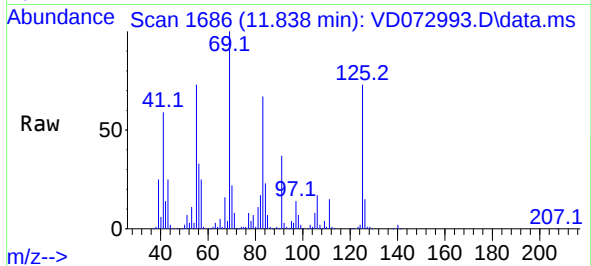
Tgt Ion: 91 Resp: 71514
Ion Ratio Lower Upper
91 100
106 32.4 24.2 36.4





#68
m/p-Xylenes
Concen: 10.505 ug/l
RT: 11.838 min Scan# 1686
Delta R.T. -0.006 min
Lab File: VD072993.D
Acq: 13 May 2022 16:55

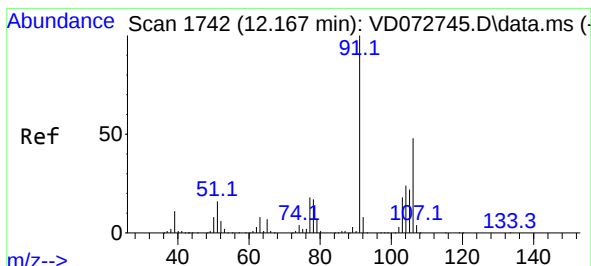
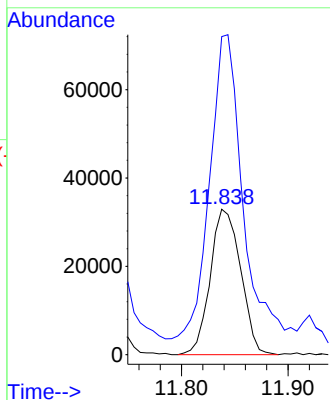
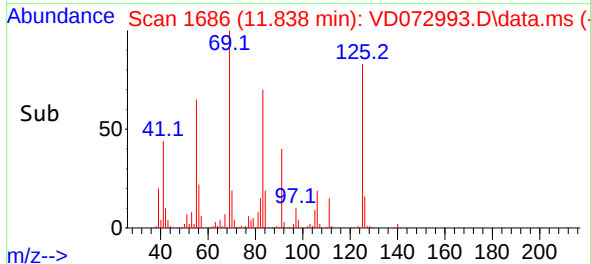
Instrument :
MSVOA_D
ClientSampleId :
WC-14B-5



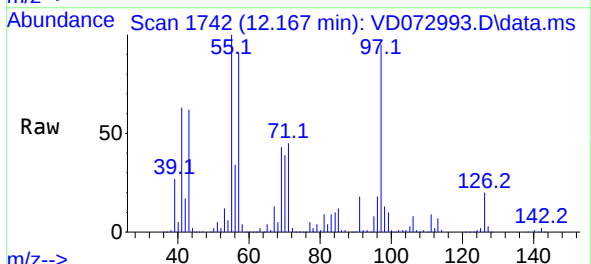
Tgt Ion:106 Resp: 6538
Ion Ratio Lower Upper
106 100
91 244.8 163.7 245.5

Manual Integrations
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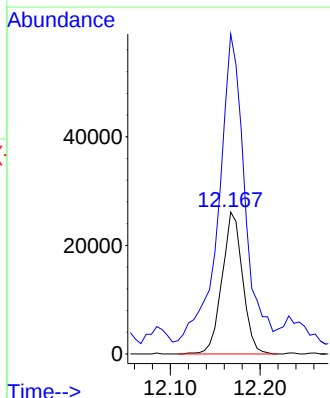
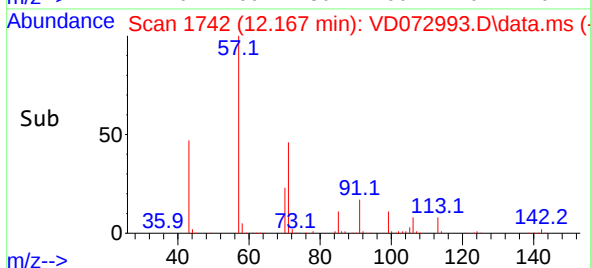
Reviewed By :Krupa Patel 05/16/2022
Supervised By :Mahesh Dadoda 05/16/2022

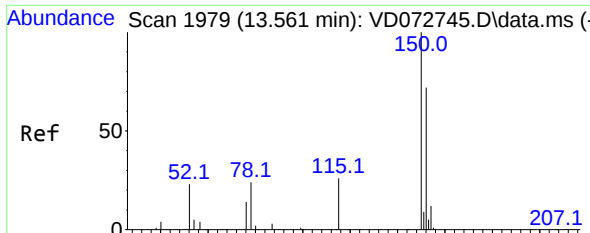


#69
o-Xylene
Concen: 7.146 ug/l
RT: 12.167 min Scan# 1742
Delta R.T. 0.000 min
Lab File: VD072993.D
Acq: 13 May 2022 16:55



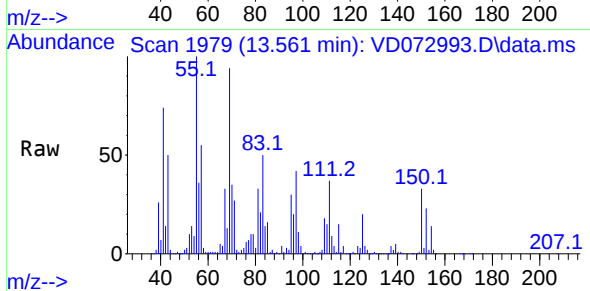
Tgt Ion:106 Resp: 41538
Ion Ratio Lower Upper
106 100
91 270.3 110.4 331.2





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1799
Delta R.T. 0.000 min
Lab File: VD072993.D
Acq: 13 May 2022 16:55

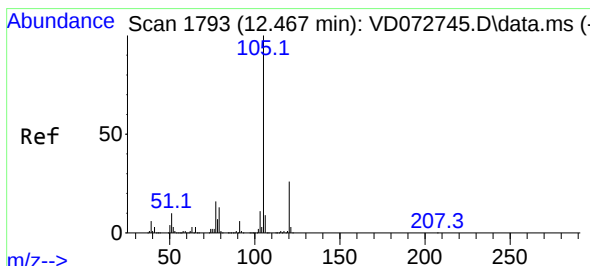
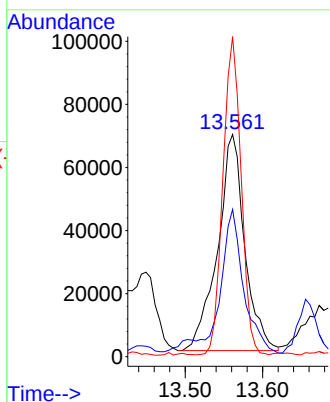
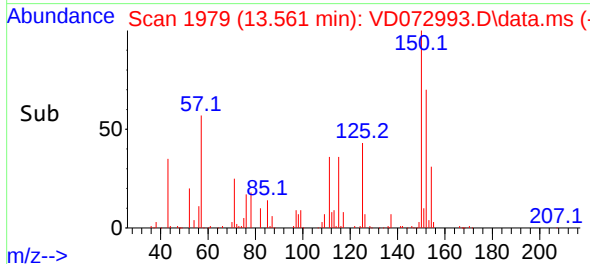
Instrument :
MSVOA_D
ClientSampleId :
WC-14B-5



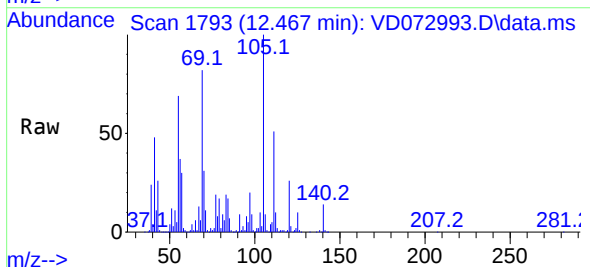
Tgt Ion:152 Resp: 16710
Ion Ratio Lower Upper
152 100
115 52.9 31.3 93.8
150 98.4 0.0 348.6

Manual Integrations
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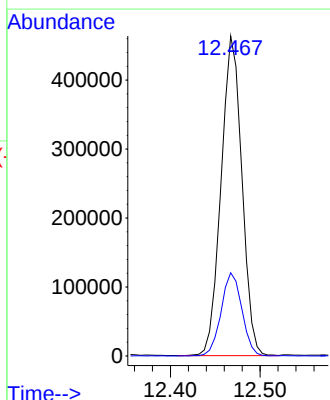
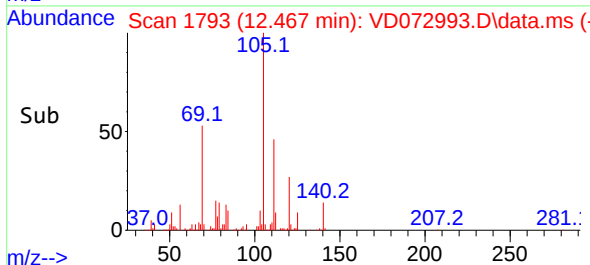
Reviewed By :Krupa Patel 05/16/2022
Supervised By :Mahesh Dadoda 05/16/2022

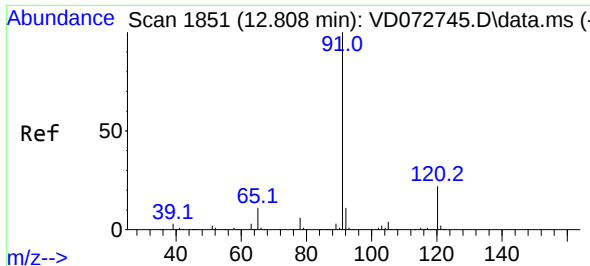


#73
Isopropylbenzene
Concen: 57.416 ug/l
RT: 12.467 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VD072993.D
Acq: 13 May 2022 16:55



Tgt Ion:105 Resp: 746467
Ion Ratio Lower Upper
105 100
120 26.0 13.0 38.9





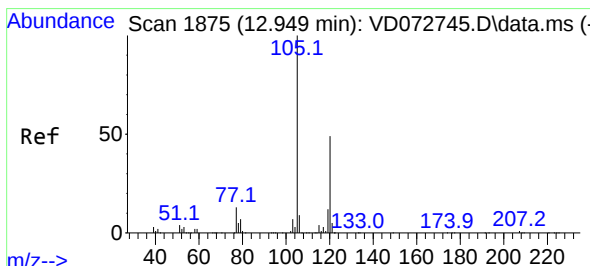
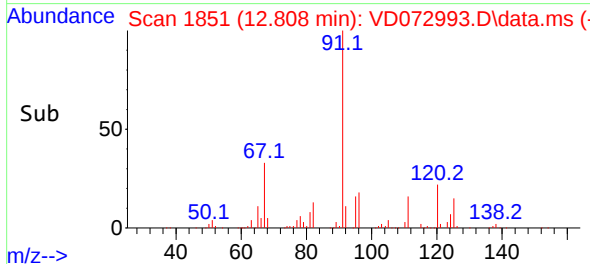
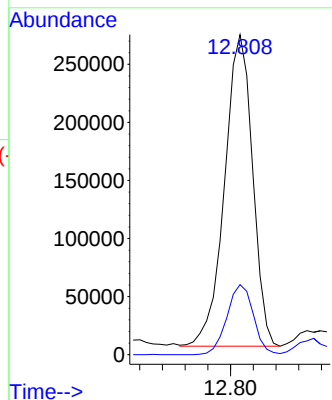
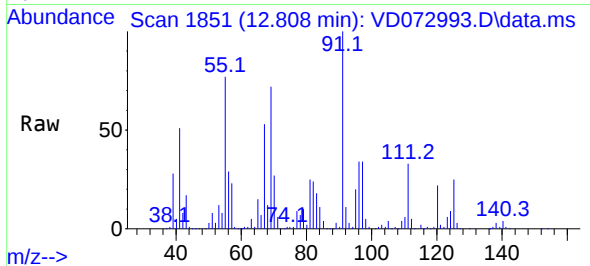
#78
n-propylbenzene
Concen: 28.046 ug/l
RT: 12.808 min Scan# 1851
Delta R.T. 0.000 min
Lab File: VD072993.D
Acq: 13 May 2022 16:55

Instrument :
MSVOA_D
ClientSampleId :
WC-14B-5

Tgt Ion: 91 Resp: 45955
Ion Ratio Lower Upper
91 100
120 21.2 10.9 32.9

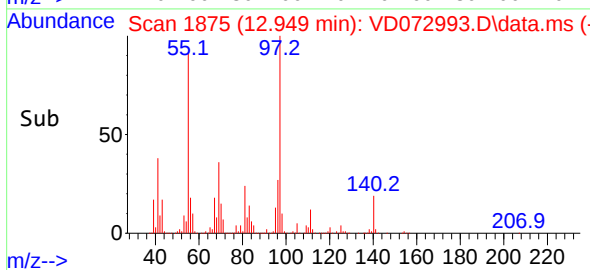
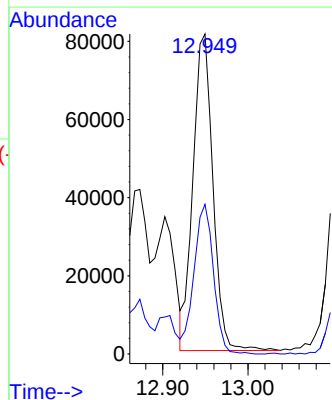
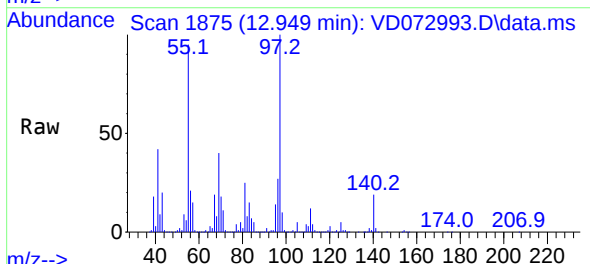
Manual Integrations
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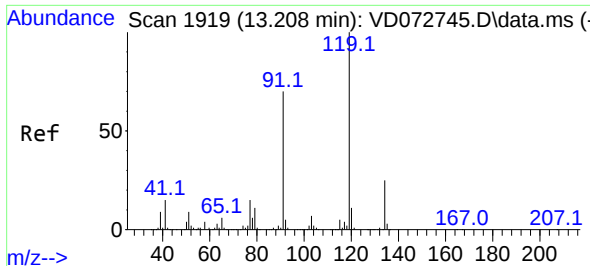
Reviewed By :Krupa Patel 05/16/2022
Supervised By :Mahesh Dadoda 05/16/2022



#80
1,3,5-Trimethylbenzene
Concen: 11.942 ug/l
RT: 12.949 min Scan# 1875
Delta R.T. 0.000 min
Lab File: VD072993.D
Acq: 13 May 2022 16:55

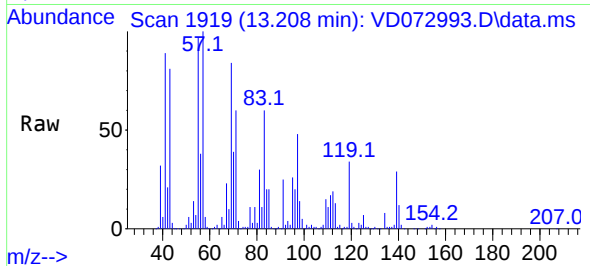
Tgt Ion:105 Resp: 131650
Ion Ratio Lower Upper
105 100
120 46.4 24.3 72.8





#83
tert-Butylbenzene
Concen: 17.199 ug/l
RT: 13.208 min Scan# 1919
Delta R.T. 0.000 min
Lab File: VD072993.D
Acq: 13 May 2022 16:55

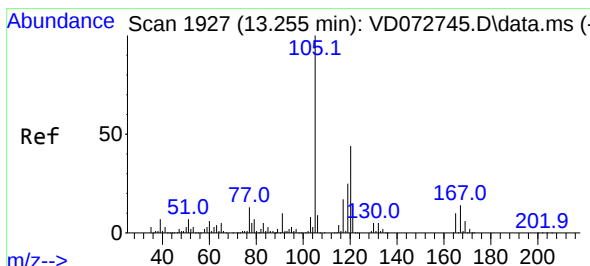
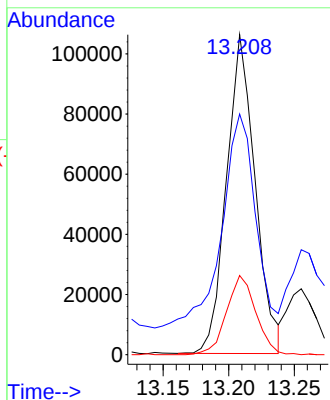
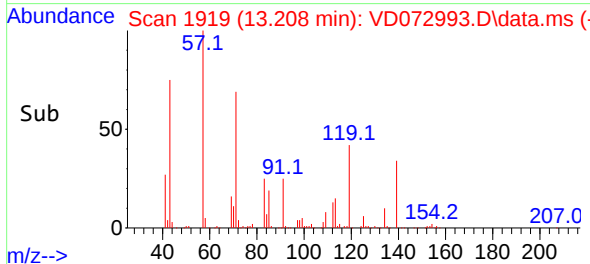
Instrument :
MSVOA_D
ClientSampleId :
WC-14B-5



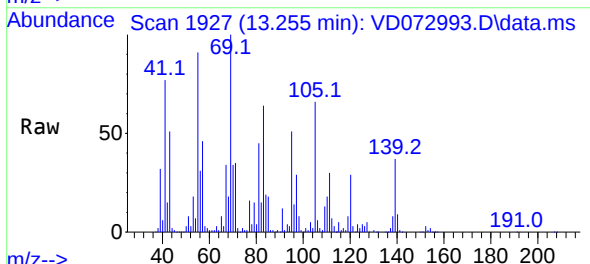
Tgt Ion:119 Resp: 161197
Ion Ratio Lower Upper
119 100
91 78.5 34.8 104.5
134 25.5 13.3 39.9

Manual Integrations
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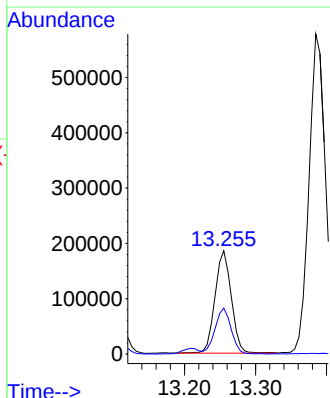
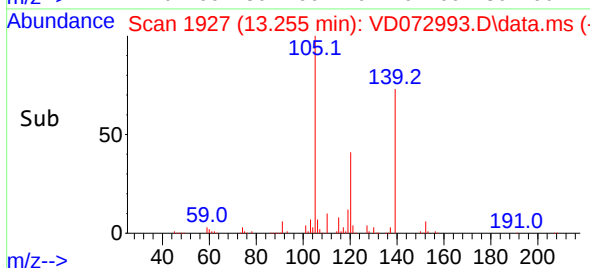
Reviewed By :Krupa Patel 05/16/2022
Supervised By :Mahesh Dadoda 05/16/2022

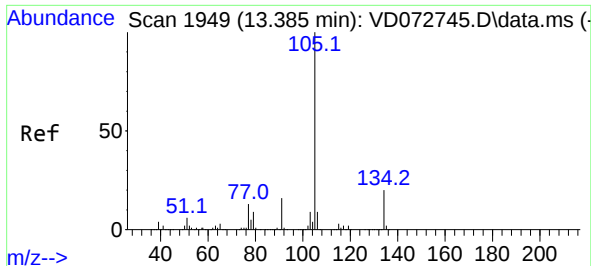


#84
1,2,4-Trimethylbenzene
Concen: 26.673 ug/l
RT: 13.255 min Scan# 1927
Delta R.T. 0.000 min
Lab File: VD072993.D
Acq: 13 May 2022 16:55



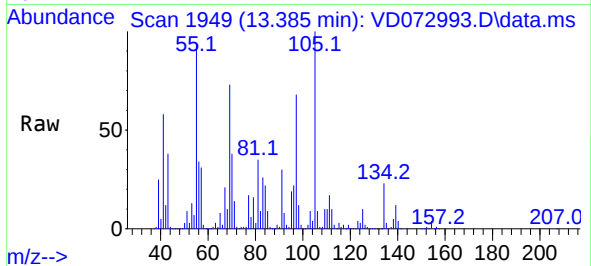
Tgt Ion:105 Resp: 293909
Ion Ratio Lower Upper
105 100
120 44.0 22.3 66.8





#85
 sec-Butylbenzene
 Concen: 65.348 ug/l
 RT: 13.385 min Scan# 1949
 Delta R.T. -0.000 min
 Lab File: VD072993.D
 Acq: 13 May 2022 16:55

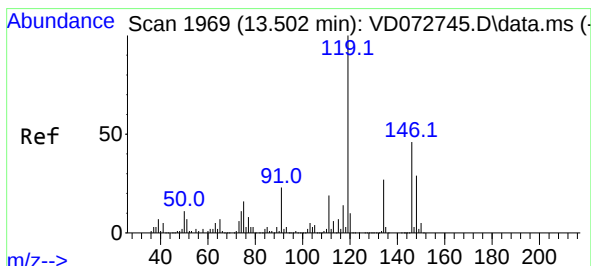
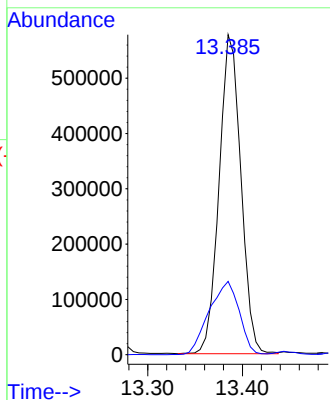
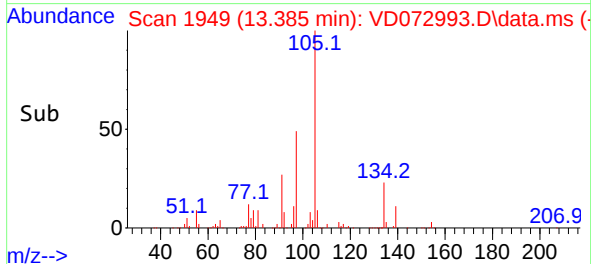
Instrument :
 MSVOA_D
 ClientSampleId :
 WC-14B-5



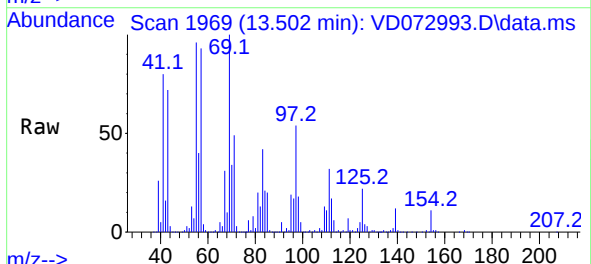
Tgt Ion:105 Resp: 923720
 Ion Ratio Lower Upper
 105 100
 134 31.7 9.8 29.3#

Manual Integrations
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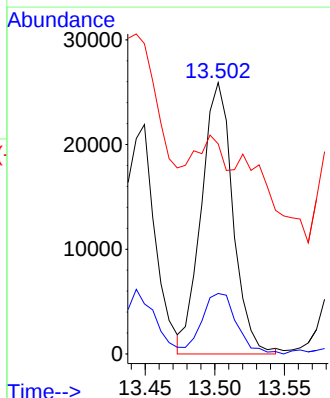
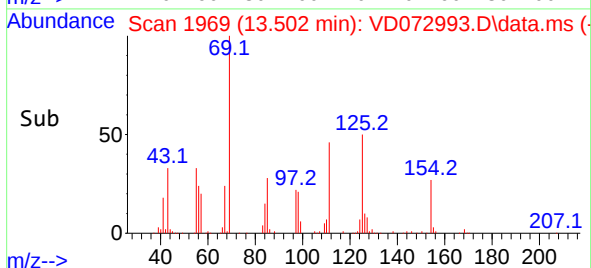
Reviewed By :Krupa Patel 05/16/2022
 Supervised By :Mahesh Dadoda 05/16/2022

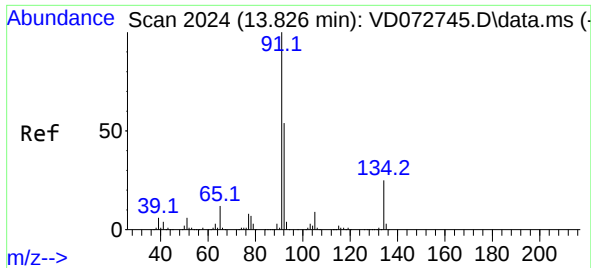


#86
 p-Isopropyltoluene
 Concen: 3.539 ug/l m
 RT: 13.502 min Scan# 1969
 Delta R.T. 0.000 min
 Lab File: VD072993.D
 Acq: 13 May 2022 16:55



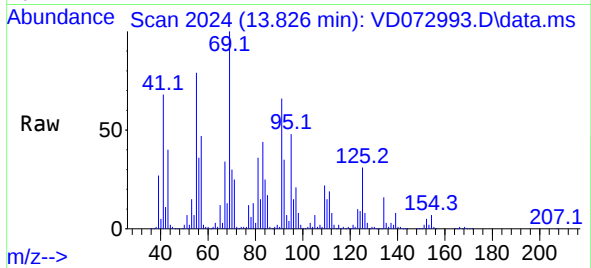
Tgt Ion:119 Resp: 41015
 Ion Ratio Lower Upper
 119 100
 134 207.3 12.9 38.6#
 91 224.0 12.1 36.3#





#89
n-Butylbenzene
Concen: 30.721 ug/l
RT: 13.826 min Scan# 20
Delta R.T. -0.000 min
Lab File: VD072993.D
Acq: 13 May 2022 16:55

Instrument :
MSVOA_D
ClientSampleId :
WC-14B-5



Tgt Ion: 91 Resp: 344900

Ion	Ratio	Lower	Upper
91	100		
92	53.9	26.6	79.8
134	37.4	12.3	36.9

Manual Integrations
APPROVED

Reviewed By :Krupa Patel 05/16/2022
Supervised By :Mahesh Dadoda 05/16/2022

