

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052722\
 Data File : VD073418.D
 Acq On : 27 May 2022 18:35
 Operator : VA/SY
 Sample : N3075-02
 Misc : 7.24G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SS-2

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 05/31/2022
 Supervised By :Mahesh Dadoda 05/31/2022

Quant Time: May 28 09:46:47 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051922S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 19 15:13:42 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.985	168	262306	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.867	114	566118	50.000	ug/l	# 0.01
63) Chlorobenzene-d5	11.643	117	573718	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	677605	50.000	ug/l	# 0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.238	65	1423302m	490.988	ug/l	-0.09
Spiked Amount 50.000	Range 50 - 163		Recovery = 981.980%#			
35) Dibromofluoromethane	7.914	113	152449	40.810	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 81.620%			
50) Toluene-d8	10.361	98	12157796	882.892	ug/l	0.03
Spiked Amount 50.000	Range 49 - 140		Recovery = 1765.780%#			
62) 4-Bromofluorobenzene	12.620	95	3466150	717.242	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 1434.480%#			
Target Compounds						Qvalue
31) Cyclohexane	7.967	56	96610903m	19071.191	ug/l	
39) Methylcyclohexane	9.344	83	55467292m	8858.672	ug/l	
40) Benzene	8.332	78	43160433m	2665.539	ug/l	
52) Toluene	10.414	92	11472774	1121.258	ug/l	90
67) Ethyl Benzene	11.726	91	35472609m	1716.862	ug/l	
68) m/p-Xylenes	11.843	106	30139513m	3754.676	ug/l	
69) o-Xylene	12.185	106	8250810	1118.873	ug/l	88
73) Isopropylbenzene	12.467	105	22261662m	460.847	ug/l	
78) n-propylbenzene	12.802	91	26060182m	429.721	ug/l	
80) 1,3,5-Trimethylbenzene	12.896	105	50464768m	1233.250	ug/l	
83) tert-Butylbenzene	13.220	119	1004542m	29.128	ug/l	
84) 1,2,4-Trimethylbenzene	13.243	105	33735499m	834.524	ug/l	
85) sec-Butylbenzene	13.396	105	10969252	208.307	ug/l	# 56
86) p-Isopropyltoluene	13.508	119	13015976	303.220	ug/l	92
89) n-Butylbenzene	13.832	91	10785780	263.710	ug/l	# 59
95) Naphthalene	15.379	128	16394431	690.522	ug/l	# 95

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

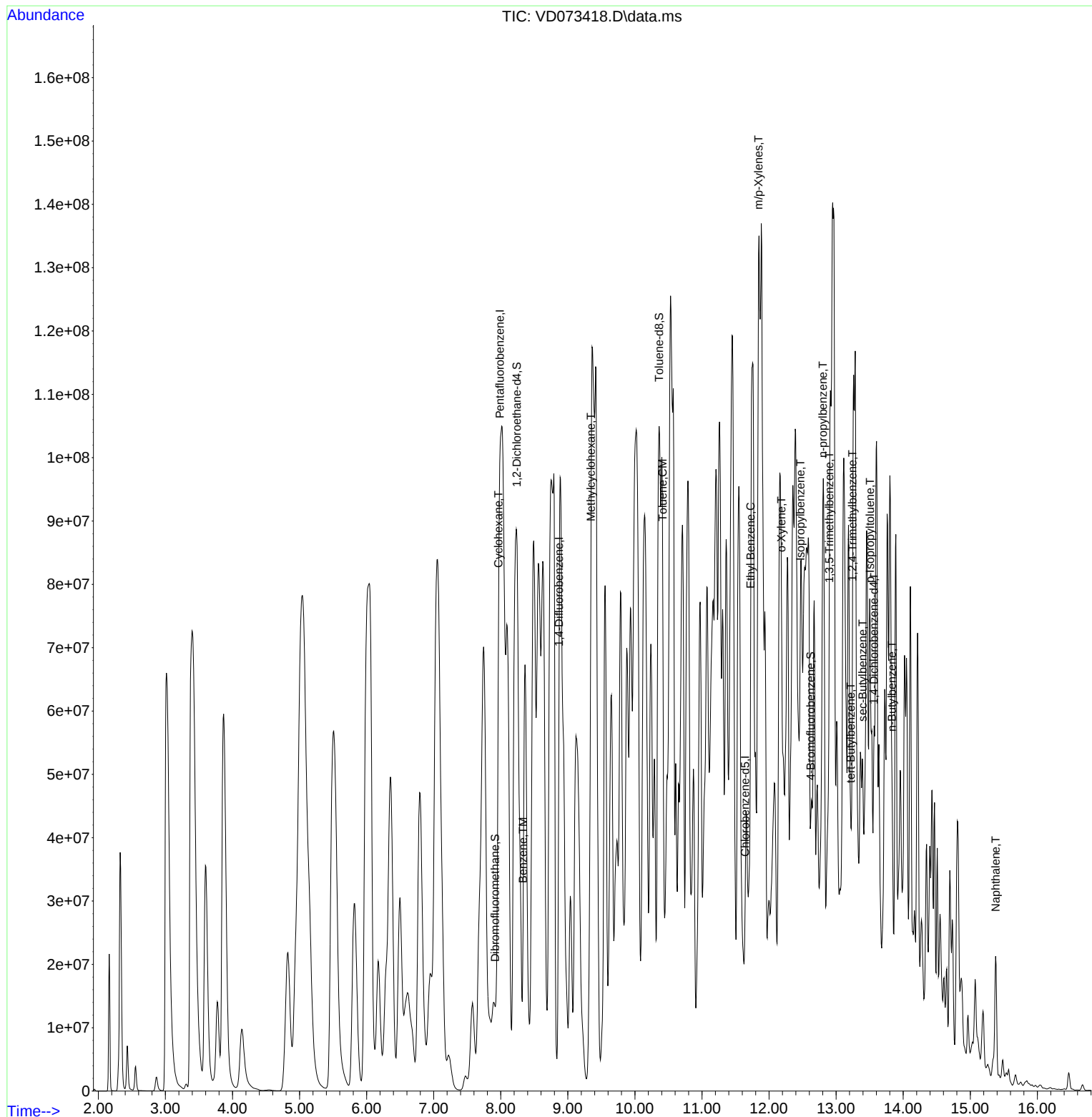
Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052722\
Data File : VD073418.D
Acq On : 27 May 2022 18:35
Operator : VA/SY
Sample : N3075-02
Misc : 7.24G/5.00ml/MSVOA_D/SOIL
ALS Vial : 18 Sample Multiplier: 1

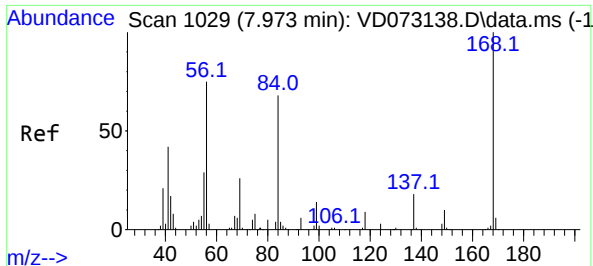
Instrument :
MSVOA_D
ClientSampleId :
SS-2

Manual Integrations
APPROVED

Reviewed By :Krupa Patel 05/31/2022
Supervised By :Mahesh Dadoda 05/31/2022

Quant Time: May 28 09:46:47 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051922S.M
Quant Title : SW846 8260
QLast Update : Thu May 19 15:13:42 2022
Response via : Initial Calibration





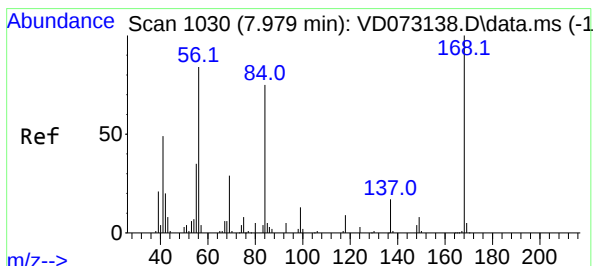
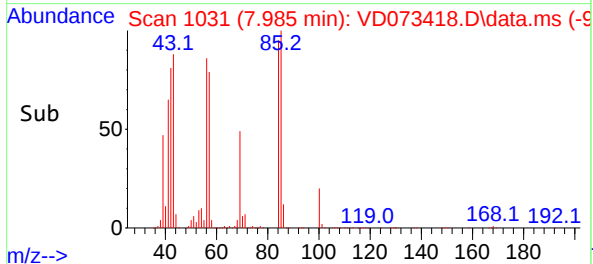
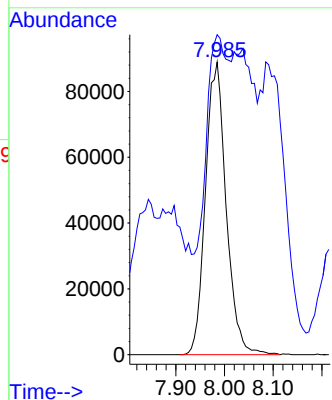
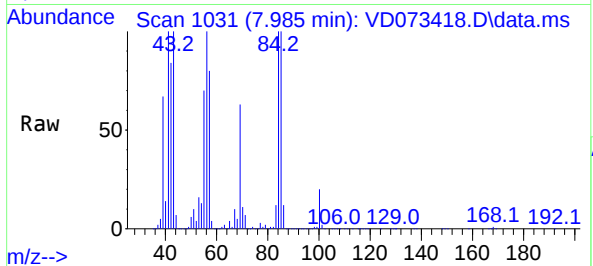
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.985 min Scan# 1029
Delta R.T. 0.012 min
Lab File: VD073418.D
Acq: 27 May 2022 18:35

Instrument :
MSVOA_D
ClientSampleId :
SS-2

Tgt Ion:168 Resp: 262300
Ion Ratio Lower Upper
168 100
99 65.8 49.8 74.6

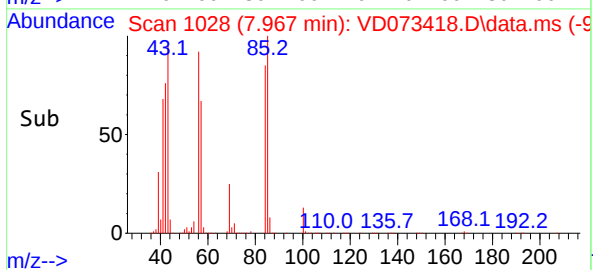
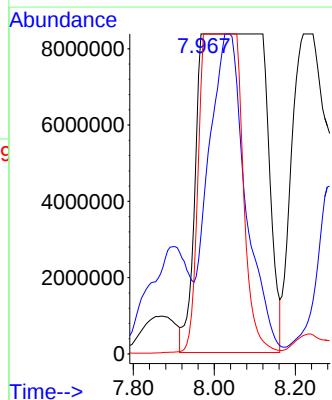
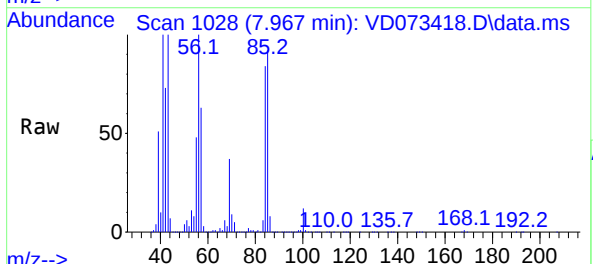
Manual Integrations
APPROVED

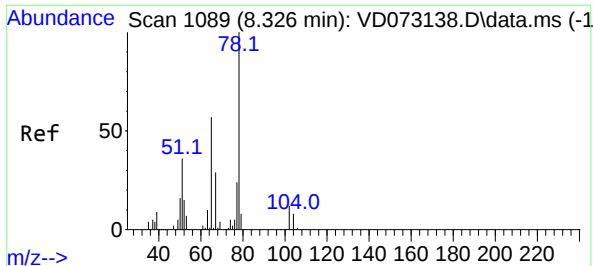
Reviewed By :Krupa Patel 05/31/2022
Supervised By :Mahesh Dadoda 05/31/2022



#31
Cyclohexane
Concen: 19071.191 ug/l m
RT: 7.967 min Scan# 1028
Delta R.T. -0.012 min
Lab File: VD073418.D
Acq: 27 May 2022 18:35

Tgt Ion: 56 Resp:96610903
Ion Ratio Lower Upper
56 100
69 37.3 25.4 38.2
84 83.7 63.0 94.4





#33

1,2-Dichloroethane-d4

Concen: 490.988 ug/l m

RT: 8.238 min Scan# 1089

Delta R.T. -0.088 min

Lab File: VD073418.D

Acq: 27 May 2022 18:35

Instrument :

MSVOA_D

ClientSampleId :

SS-2

Tgt Ion: 65 Resp: 142330

Ion Ratio Lower Upper

65 100

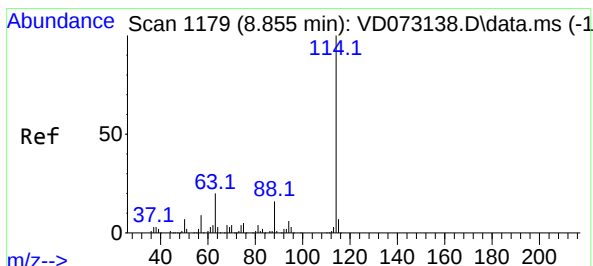
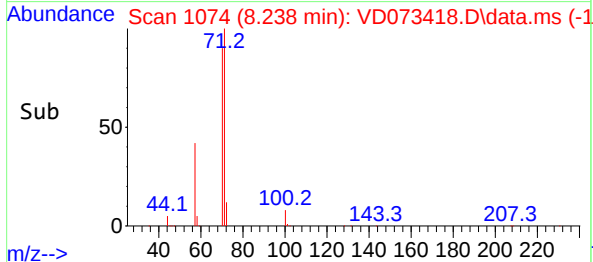
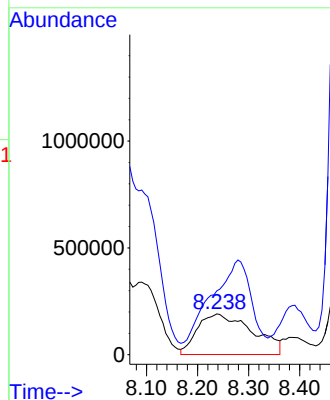
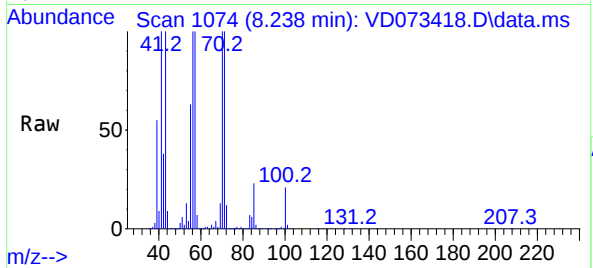
67 0.0 0.0 101.4

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 05/31/2022

Supervised By :Mahesh Dadoda 05/31/2022



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.867 min Scan# 1181

Delta R.T. 0.012 min

Lab File: VD073418.D

Acq: 27 May 2022 18:35

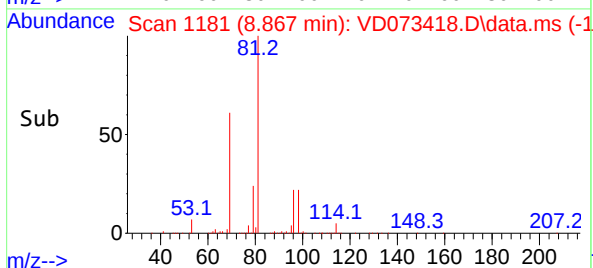
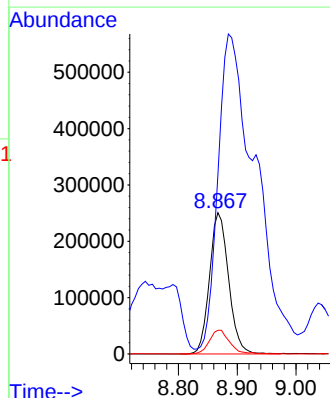
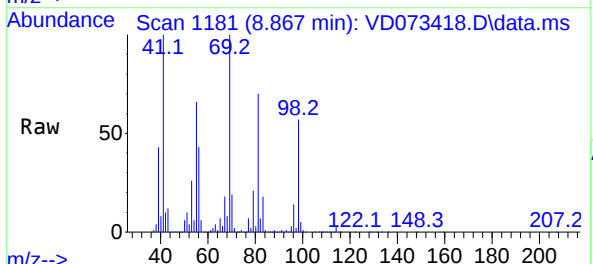
Tgt Ion:114 Resp: 566118

Ion Ratio Lower Upper

114 100

63 96.0 0.0 46.6#

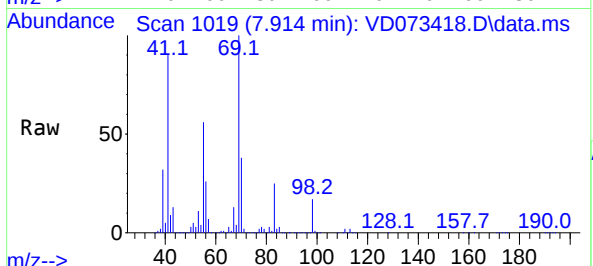
88 16.8 0.0 33.2





#35
Dibromofluoromethane
Concen: 40.810 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. 0.000 min
Lab File: VD073418.D
Acq: 27 May 2022 18:35

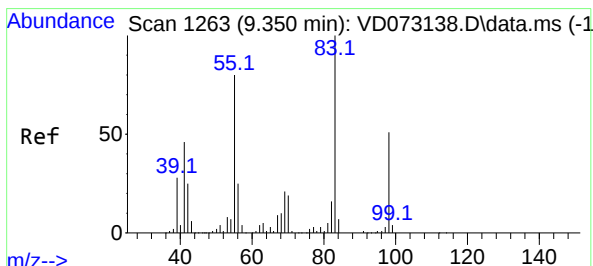
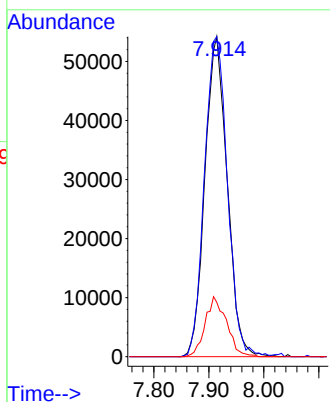
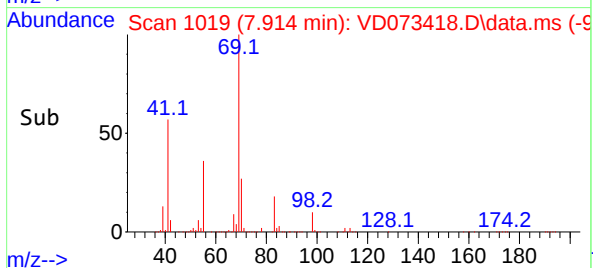
Instrument :
MSVOA_D
ClientSampleId :
SS-2



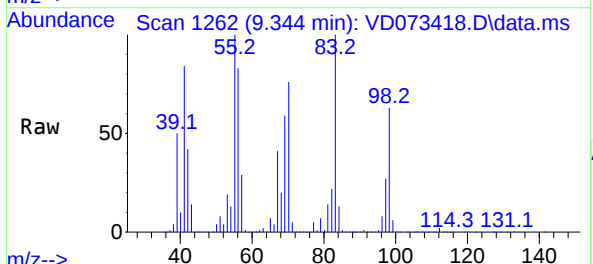
Tgt Ion: 113 Resp: 152449
Ion Ratio Lower Upper
113 100
111 103.1 83.8 125.6
192 18.0 14.6 21.8

Manual Integrations
APPROVED

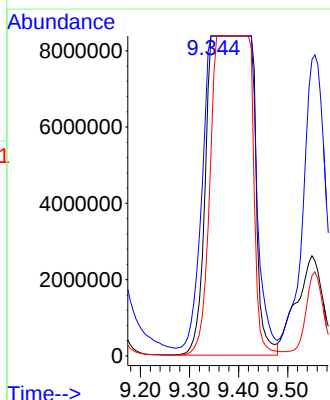
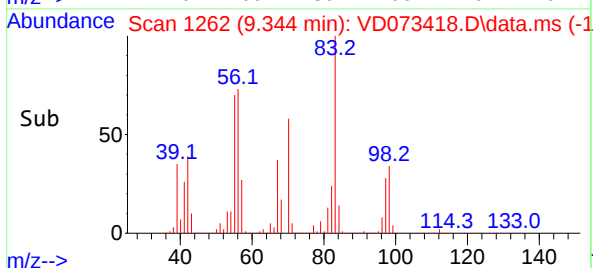
Reviewed By :Krupa Patel 05/31/2022
Supervised By :Mahesh Dadoda 05/31/2022

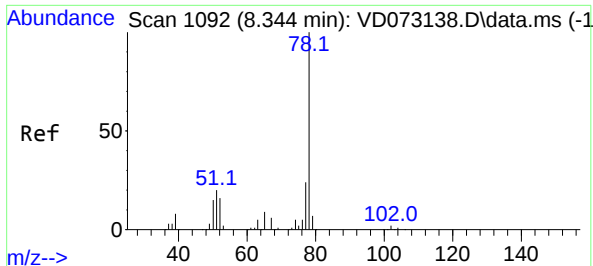


#39
Methylcyclohexane
Concen: 8858.672 ug/l m
RT: 9.344 min Scan# 1262
Delta R.T. -0.006 min
Lab File: VD073418.D
Acq: 27 May 2022 18:35



Tgt Ion: 83 Resp: 55467292
Ion Ratio Lower Upper
83 100
55 100.0 63.2 94.8#
98 63.3 38.2 57.4#





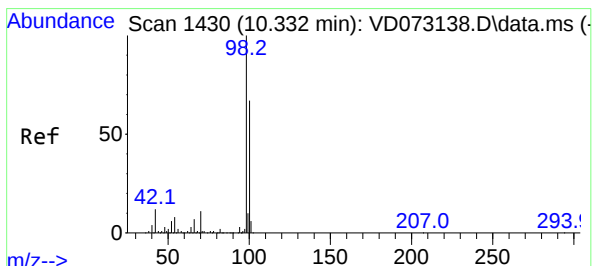
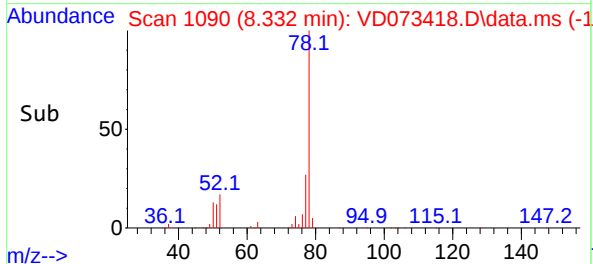
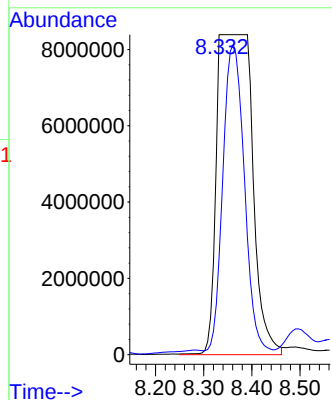
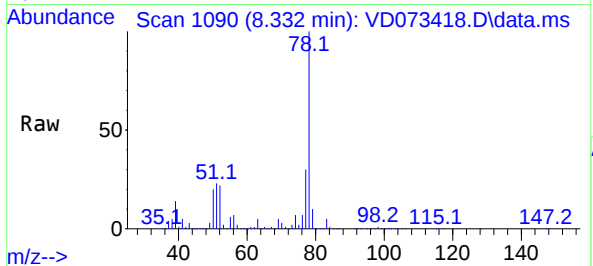
#40
Benzene
Concen: 2665.539 ug/l m
RT: 8.332 min Scan# 1090
Delta R.T. -0.012 min
Lab File: VD073418.D
Acq: 27 May 2022 18:35

Instrument :
MSVOA_D
ClientSampleId :
SS-2

Tgt Ion: 78 Resp:4316043
Ion Ratio Lower Upper
78 100
77 30.4 19.1 28.7

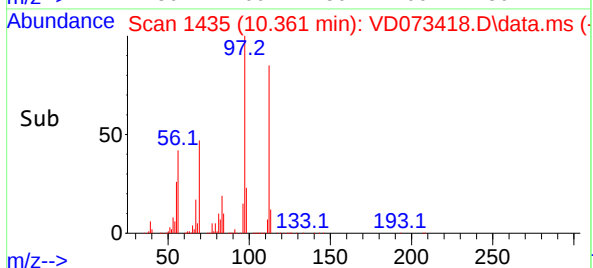
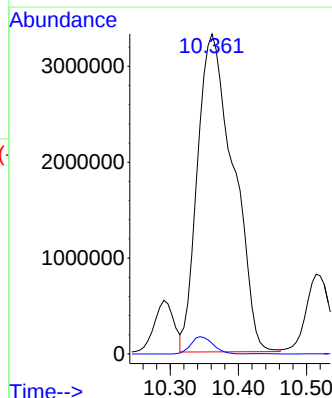
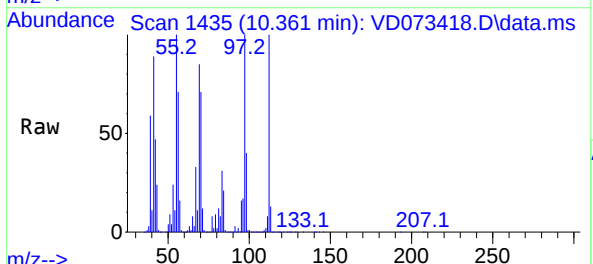
Manual Integrations
APPROVED

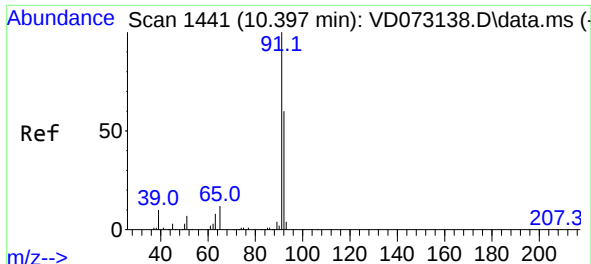
Reviewed By :Krupa Patel 05/31/2022
Supervised By :Mahesh Dadoda 05/31/2022



#50
Toluene-d8
Concen: 882.892 ug/l
RT: 10.361 min Scan# 1435
Delta R.T. 0.029 min
Lab File: VD073418.D
Acq: 27 May 2022 18:35

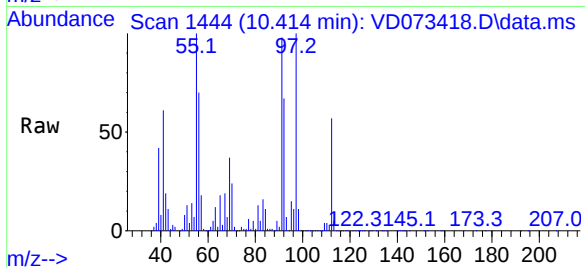
Tgt Ion: 98 Resp:12157796
Ion Ratio Lower Upper
98 100
100 3.3 52.4 78.6





#52
Toluene
Concen: 1121.258 ug/l
RT: 10.414 min Scan# 1444
Delta R.T. 0.017 min
Lab File: VD073418.D
Acq: 27 May 2022 18:35

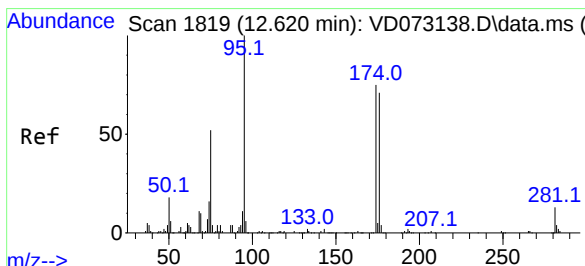
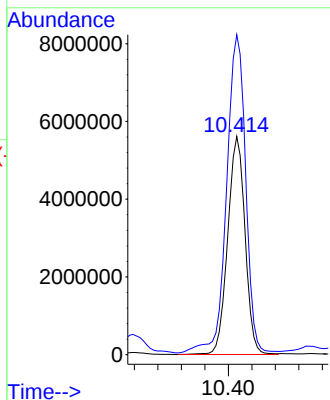
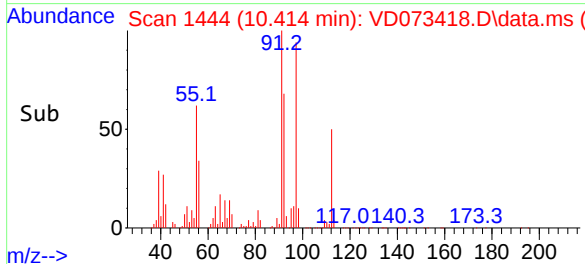
Instrument :
MSVOA_D
ClientSampleId :
SS-2



Tgt Ion: 92 Resp:11472774
Ion Ratio Lower Upper
92 100
91 160.1 139.6 209.4

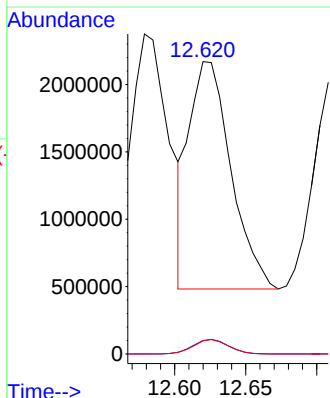
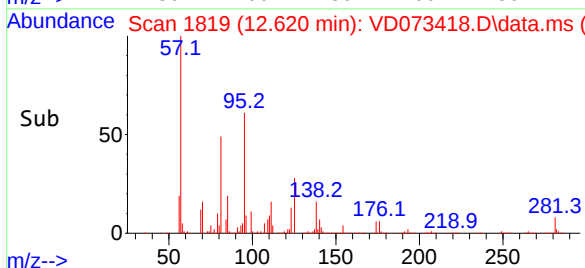
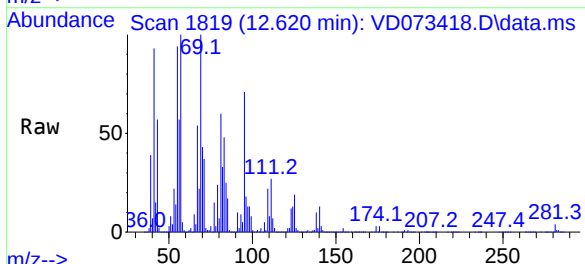
Manual Integrations
APPROVED

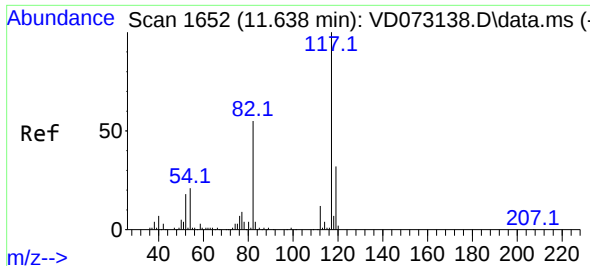
Reviewed By :Krupa Patel 05/31/2022
Supervised By :Mahesh Dadoda 05/31/2022



#62
4-Bromofluorobenzene
Concen: 717.242 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD073418.D
Acq: 27 May 2022 18:35

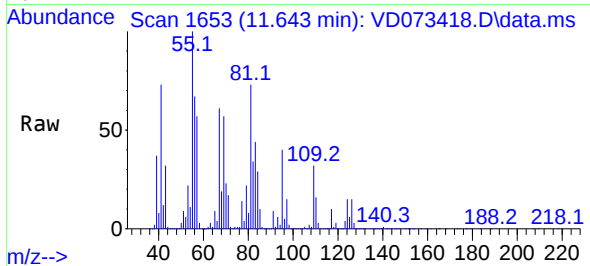
Tgt Ion: 95 Resp: 3466150
Ion Ratio Lower Upper
95 100
174 5.4 0.0 152.8
176 5.3 0.0 145.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.643 min Scan# 1653
Delta R.T. 0.005 min
Lab File: VD073418.D
Acq: 27 May 2022 18:35

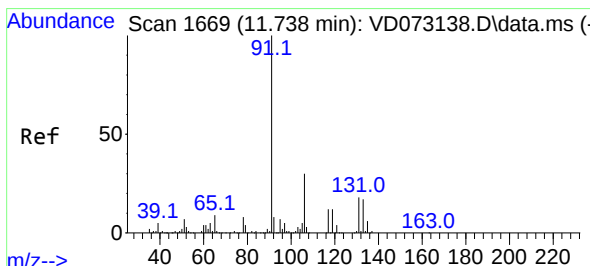
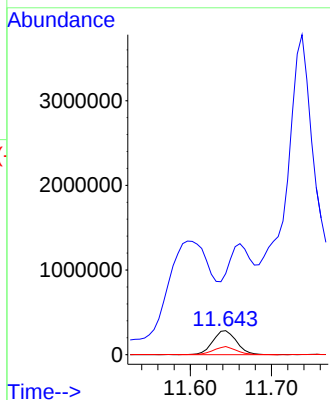
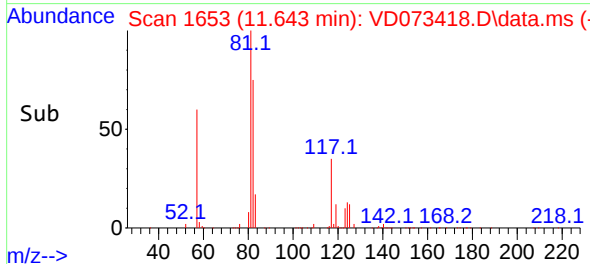
Instrument :
MSVOA_D
ClientSampleId :
SS-2



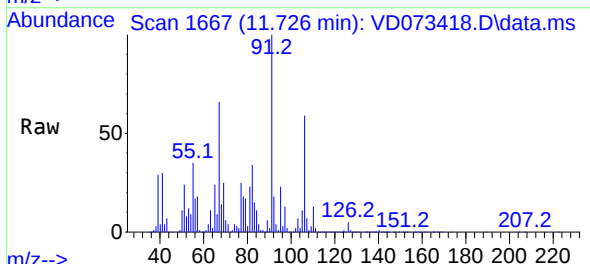
Tgt Ion: 117 Resp: 573718
Ion Ratio Lower Upper
117 100
82 0.0 45.3 67.9
119 33.4 26.6 40.0

Manual Integrations
APPROVED

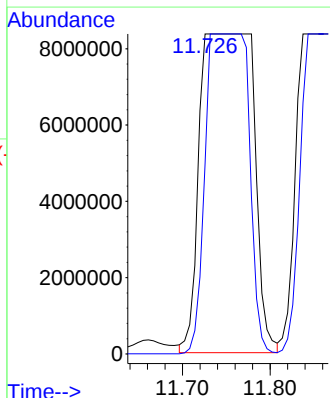
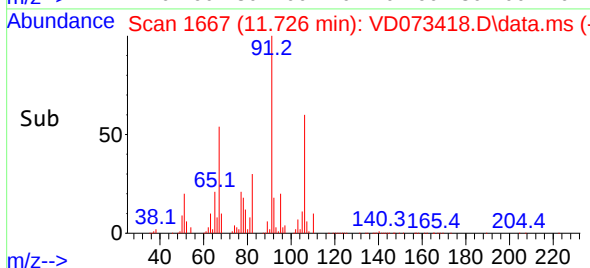
Reviewed By :Krupa Patel 05/31/2022
Supervised By :Mahesh Dadoda 05/31/2022

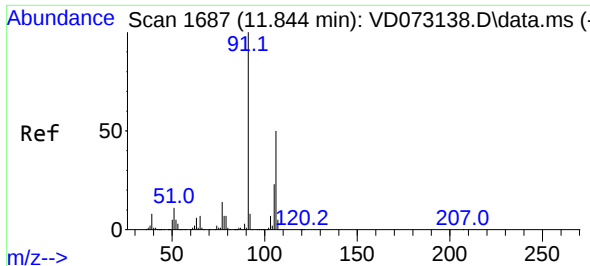


#67
Ethyl Benzene
Concen: 1716.862 ug/l m
RT: 11.726 min Scan# 1667
Delta R.T. -0.012 min
Lab File: VD073418.D
Acq: 27 May 2022 18:35



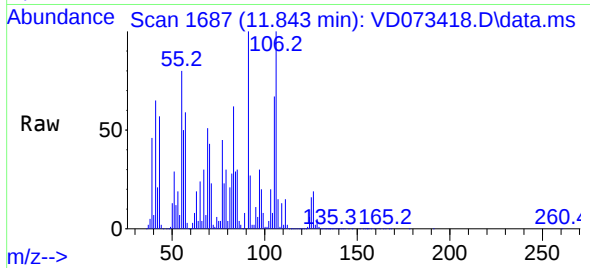
Tgt Ion: 91 Resp: 35472609
Ion Ratio Lower Upper
91 100
106 59.5 24.2 36.4#





#68
m/p-Xylenes
Concen: 3754.676 ug/l m
RT: 11.843 min Scan# 1
Delta R.T. -0.001 min
Lab File: VD073418.D
Acq: 27 May 2022 18:35

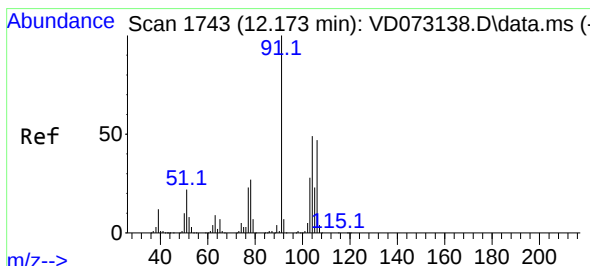
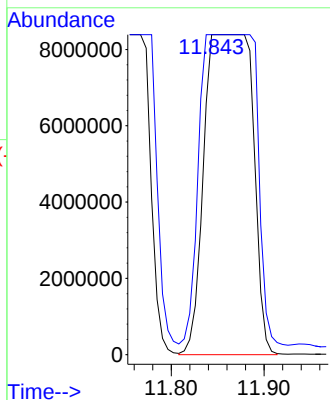
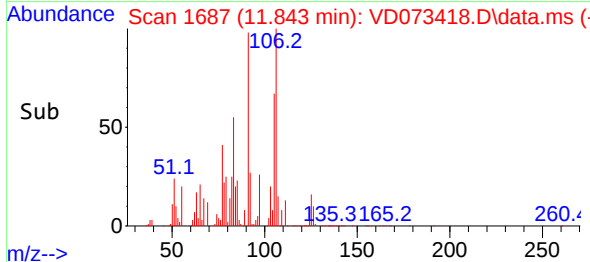
Instrument :
MSVOA_D
ClientSampleId :
SS-2



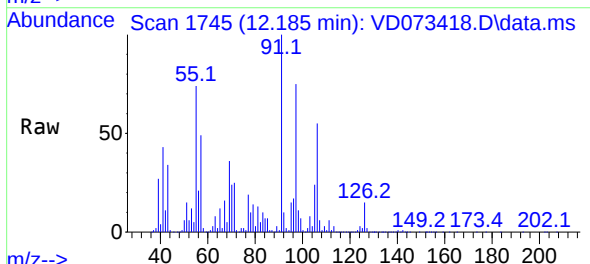
Tgt Ion:106 Resp:3013951
Ion Ratio Lower Upper
106 100
91 0.0 163.7 245.5

Manual Integrations
APPROVED

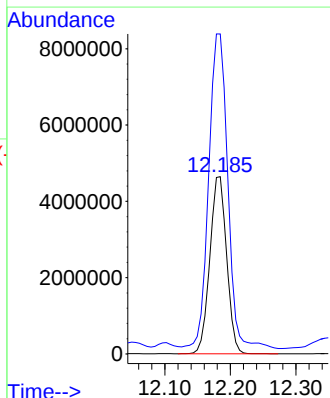
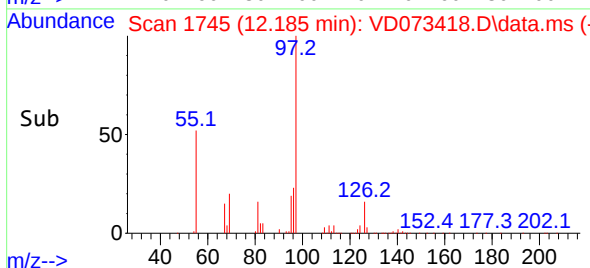
Reviewed By :Krupa Patel 05/31/2022
Supervised By :Mahesh Dadoda 05/31/2022

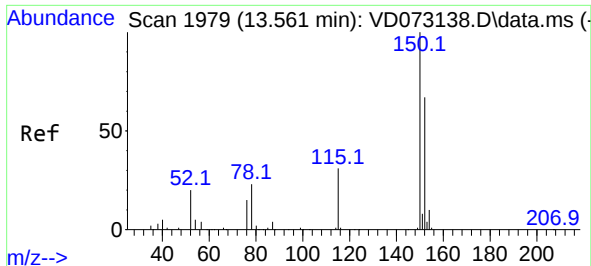


#69
o-Xylene
Concen: 1118.873 ug/l
RT: 12.185 min Scan# 1745
Delta R.T. 0.012 min
Lab File: VD073418.D
Acq: 27 May 2022 18:35



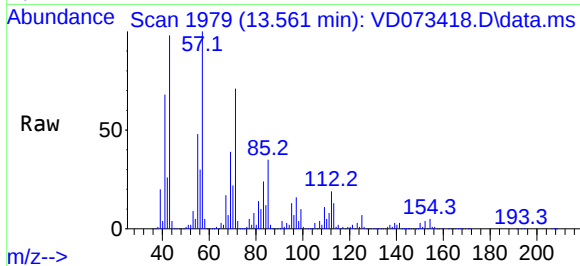
Tgt Ion:106 Resp: 8250810
Ion Ratio Lower Upper
106 100
91 201.4 110.4 331.2





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VD073418.D
Acq: 27 May 2022 18:35

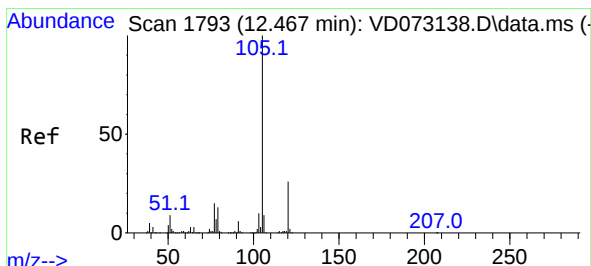
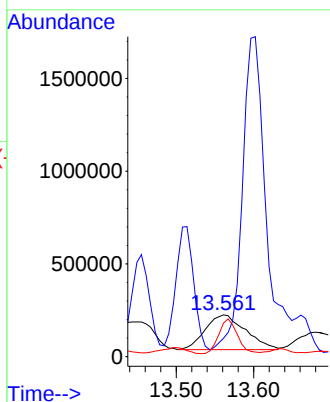
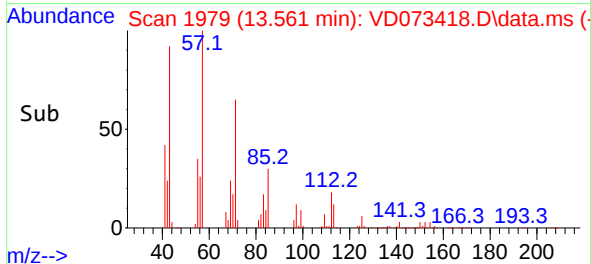
Instrument :
MSVOA_D
ClientSampleId :
SS-2



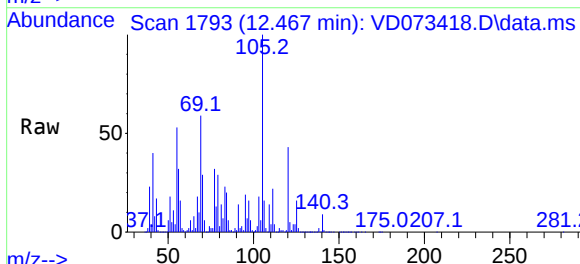
Tgt Ion:152 Resp: 677609
Ion Ratio Lower Upper
152 100
115 0.0 31.3 93.8
150 47.2 0.0 348.6

Manual Integrations
APPROVED

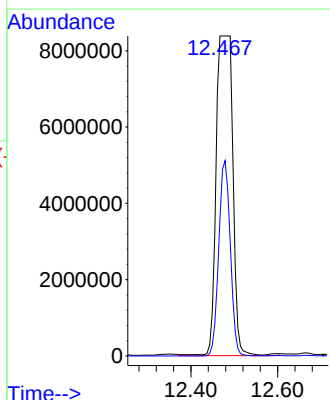
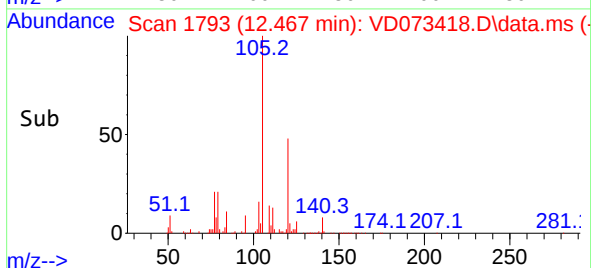
Reviewed By :Krupa Patel 05/31/2022
Supervised By :Mahesh Dadoda 05/31/2022

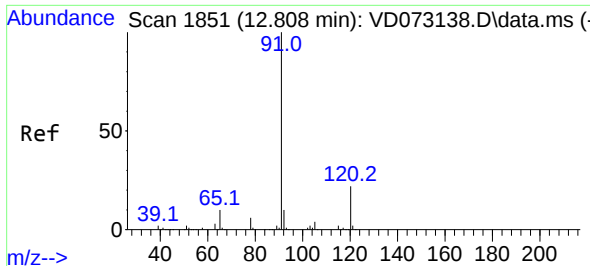


#73
Isopropylbenzene
Concen: 460.847 ug/l m
RT: 12.467 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VD073418.D
Acq: 27 May 2022 18:35



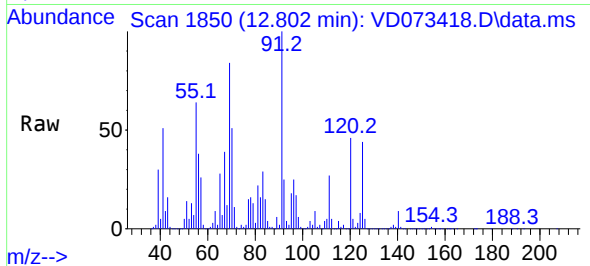
Tgt Ion:105 Resp:22261662
Ion Ratio Lower Upper
105 100
120 0.0 13.0 38.9#





#78
n-propylbenzene
Concen: 429.721 ug/l m
RT: 12.802 min Scan# 1850
Delta R.T. -0.006 min
Lab File: VD073418.D
Acq: 27 May 2022 18:35

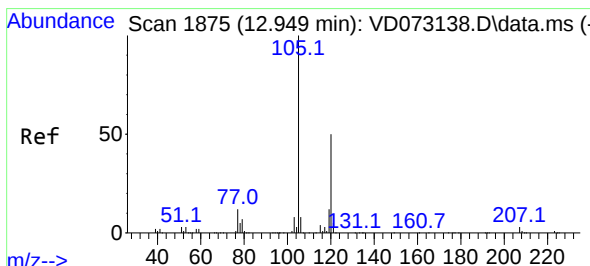
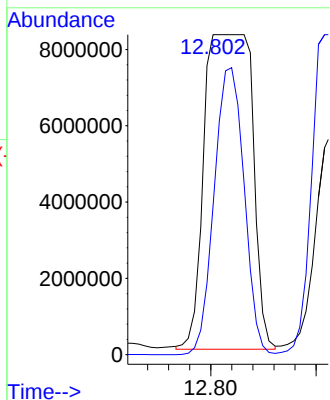
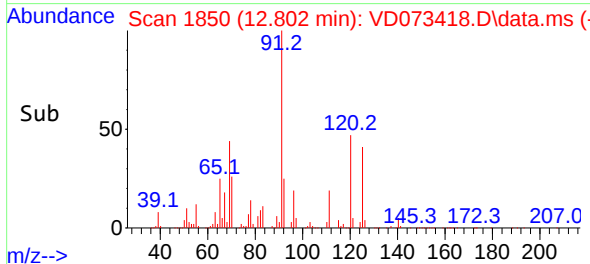
Instrument :
MSVOA_D
ClientSampleId :
SS-2



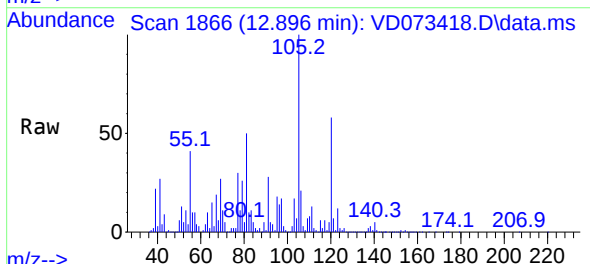
Tgt Ion: 91 Resp:2606018
Ion Ratio Lower Upper
91 100
120 5.2 10.9 32.9

Manual Integrations
APPROVED

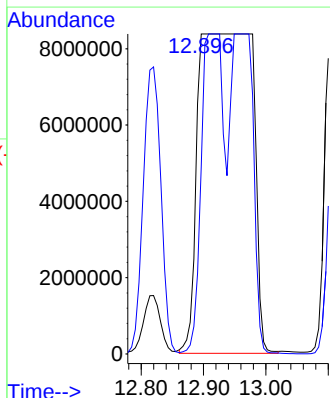
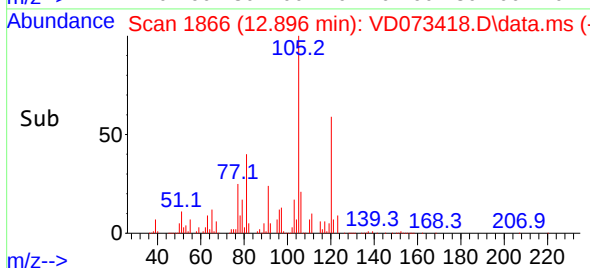
Reviewed By :Krupa Patel 05/31/2022
Supervised By :Mahesh Dadoda 05/31/2022

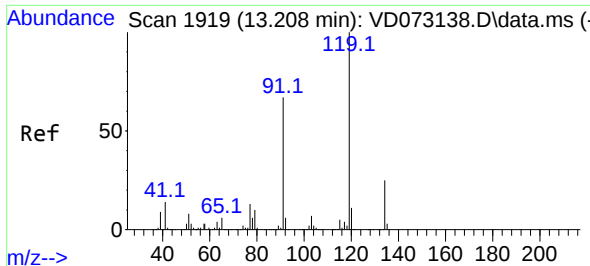


#80
1,3,5-Trimethylbenzene
Concen: 1233.250 ug/l m
RT: 12.896 min Scan# 1866
Delta R.T. -0.053 min
Lab File: VD073418.D
Acq: 27 May 2022 18:35



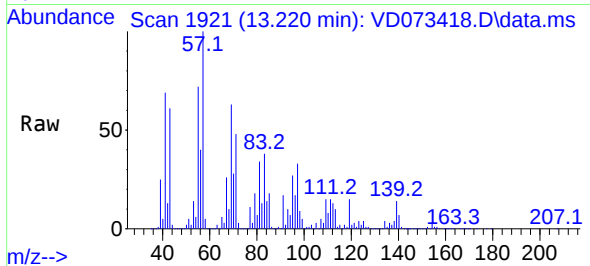
Tgt Ion:105 Resp:50464768
Ion Ratio Lower Upper
105 100
120 29.5 24.3 72.8





#83
tert-Butylbenzene
Concen: 29.128 ug/l m
RT: 13.220 min Scan# 1919
Delta R.T. 0.012 min
Lab File: VD073418.D
Acq: 27 May 2022 18:35

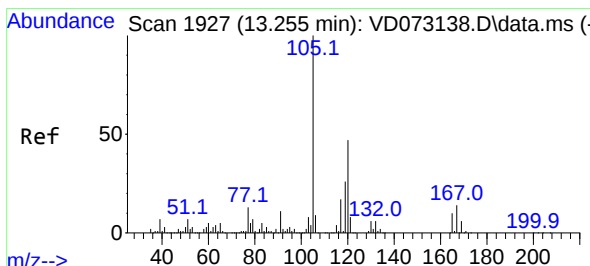
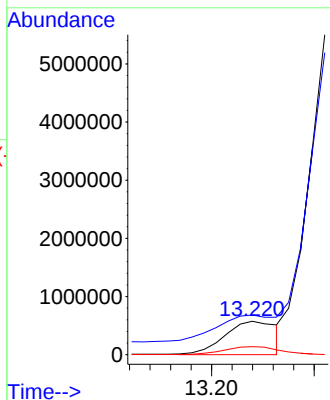
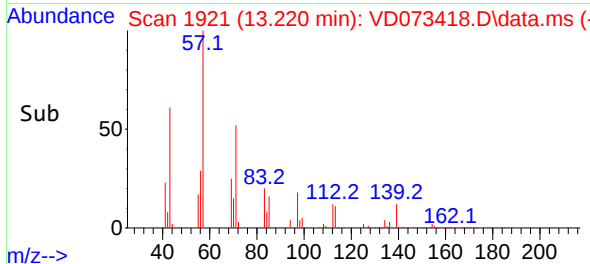
Instrument :
MSVOA_D
ClientSampleId :
SS-2



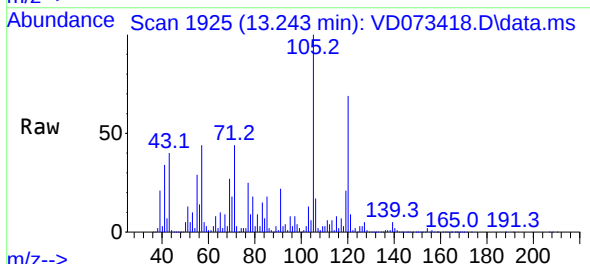
Tgt Ion:119 Resp: 1004542
Ion Ratio Lower Upper
119 100
91 0.0 34.8 104.5
134 0.0 13.3 39.9

Manual Integrations
APPROVED

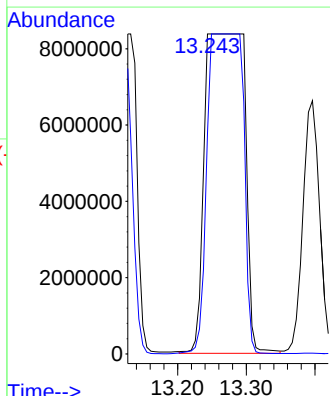
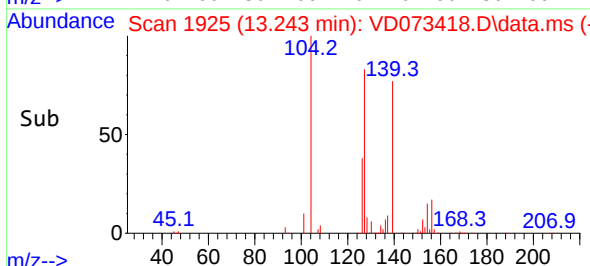
Reviewed By :Krupa Patel 05/31/2022
Supervised By :Mahesh Dadoda 05/31/2022

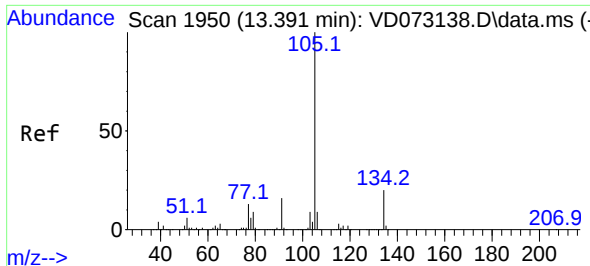


#84
1,2,4-Trimethylbenzene
Concen: 834.524 ug/l m
RT: 13.243 min Scan# 1925
Delta R.T. -0.012 min
Lab File: VD073418.D
Acq: 27 May 2022 18:35



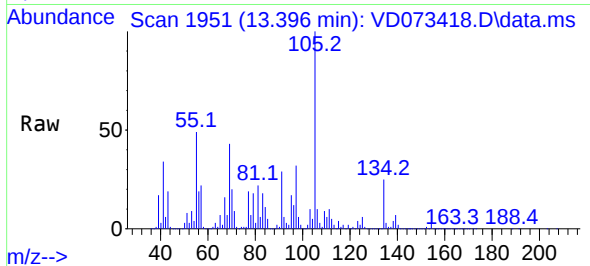
Tgt Ion:105 Resp:33735499
Ion Ratio Lower Upper
105 100
120 0.0 22.3 66.8#





#85
 sec-Butylbenzene
 Concen: 208.307 ug/l
 RT: 13.396 min Scan# 1950
 Delta R.T. 0.005 min
 Lab File: VD073418.D
 Acq: 27 May 2022 18:35

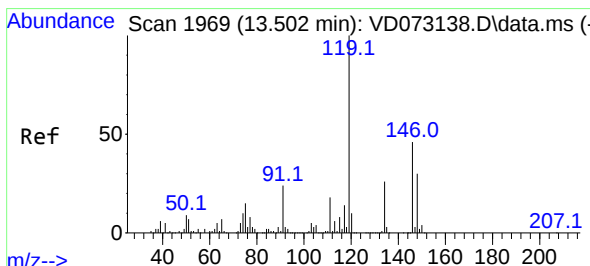
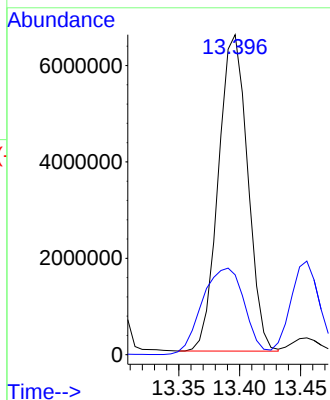
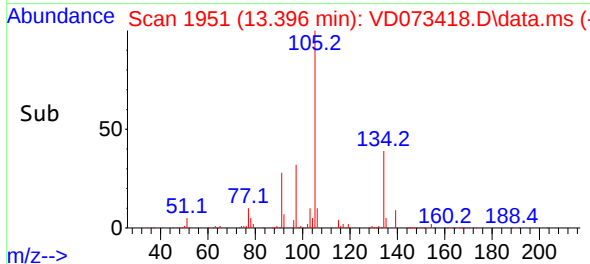
Instrument :
 MSVOA_D
 ClientSampleId :
 SS-2



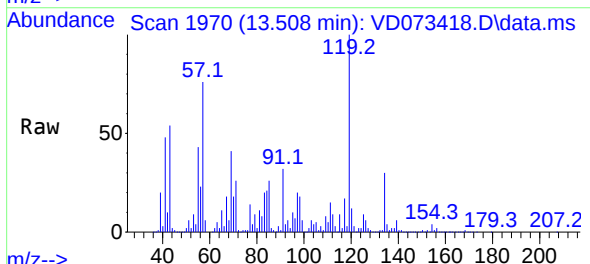
Tgt Ion:105 Resp:1096925
 Ion Ratio Lower Upper
 105 100
 134 39.5 9.8 29.3

Manual Integrations
 APPROVED

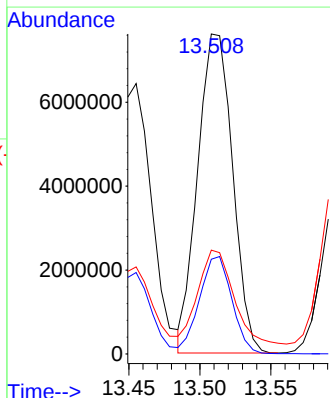
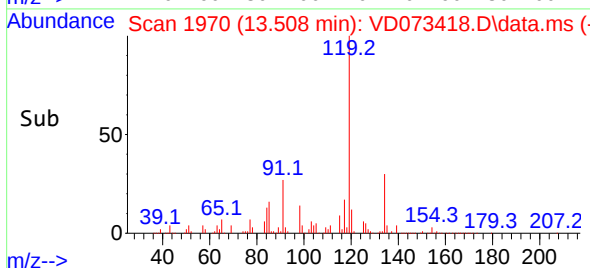
Reviewed By :Krupa Patel 05/31/2022
 Supervised By :Mahesh Dadoda 05/31/2022

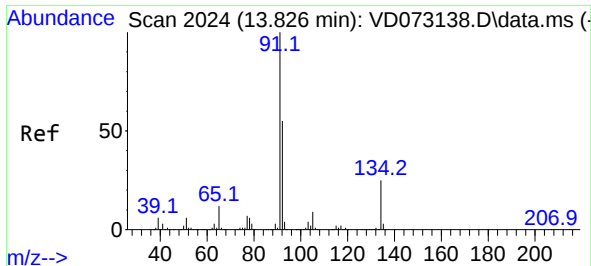


#86
 p-Isopropyltoluene
 Concen: 303.220 ug/l
 RT: 13.508 min Scan# 1970
 Delta R.T. 0.006 min
 Lab File: VD073418.D
 Acq: 27 May 2022 18:35



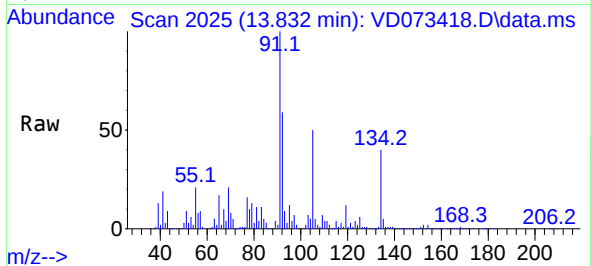
Tgt Ion:119 Resp:13015976
 Ion Ratio Lower Upper
 119 100
 134 28.4 12.9 38.6
 91 29.5 12.1 36.3





#89
n-Butylbenzene
Concen: 263.710 ug/l
RT: 13.832 min Scan# 2024
Delta R.T. 0.006 min
Lab File: VD073418.D
Acq: 27 May 2022 18:35

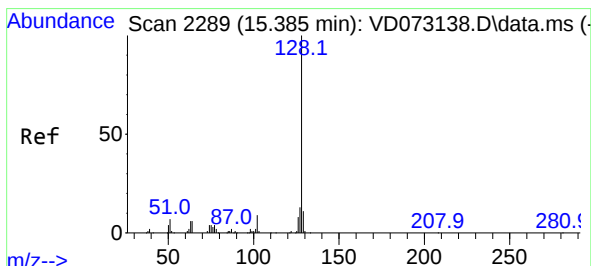
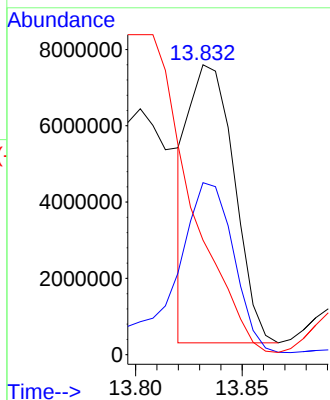
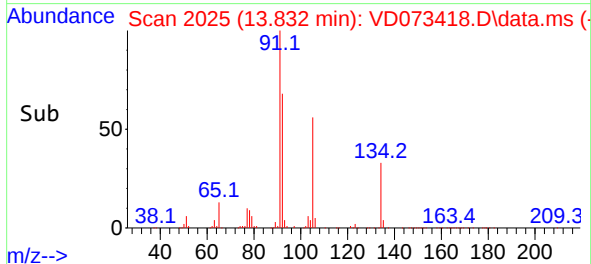
Instrument :
MSVOA_D
ClientSampleId :
SS-2



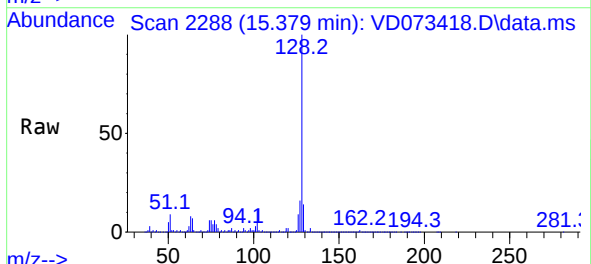
Tgt Ion: 91 Resp:10785780
Ion Ratio Lower Upper
91 100
92 79.5 26.6 79.8
134 0.0 12.3 36.9

Manual Integrations
APPROVED

Reviewed By :Krupa Patel 05/31/2022
Supervised By :Mahesh Dadoda 05/31/2022



#95
Naphthalene
Concen: 690.522 ug/l
RT: 15.379 min Scan# 2288
Delta R.T. -0.006 min
Lab File: VD073418.D
Acq: 27 May 2022 18:35



Tgt Ion:128 Resp:16394431
Ion Ratio Lower Upper
128 100
127 14.7 10.3 15.5
129 12.8 8.4 12.6

