

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW072922\
 Data File : VW027112.D
 Acq On : 30 Jul 2022 03:07
 Operator : SY/MD
 Sample : N3956-11
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 EXF08

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 08/01/2022
 Supervised By :Mahesh Dadoda 08/02/2022

Quant Time: Jul 30 04:30:38 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072822WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Jul 30 01:28:32 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.613	114	618532	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.854	117	619869	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.246	152	323219	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	196279	33.355	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	66.720%
7) Chloroethane-d5	1.565	69	171778	36.843	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	73.680%
11) 1,1-Dichloroethene-d2	2.101	63	276440	27.594	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	55.180%#
21) 2-Butanone-d5	3.889	46	252527	75.260	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	75.260%
24) Chloroform-d	4.343	84	431451	40.709	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	81.420%
26) 1,2-Dichloroethane-d4	5.027	65	260348	43.273	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.540%
32) Benzene-d6	5.047	84	922926	42.399	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.800%
36) 1,2-Dichloropropane-d6	6.066	67	285917	42.915	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	85.820%
41) Toluene-d8	7.314	98	818644	41.608	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	83.220%
43) trans-1,3-Dichloroprop...	7.619	79	125193	42.539	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	85.080%
47) 2-Hexanone-d5	8.088	63	274553	95.860	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	95.860%
56) 1,1,2,2-Tetrachloroeth...	10.214	84	409809	40.796	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	81.600%
66) 1,2-Dichlorobenzene-d4	11.622	152	322958	44.449	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.900%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.307	62	121885	19.576	ug/L	96
13) Acetone	2.179	43	11357m	4.570	ug/L	
14) Carbon disulfide	2.291	76	19281	1.349	ug/L	98
17) trans-1,2-Dichloroethene	2.761	96	8739	1.772	ug/L	97
19) 1,1-Dichloroethane	3.185	63	51169	5.941	ug/L	98
20) cis-1,2-Dichloroethene	3.909	96	8597	1.685	ug/L	94
29) Cyclohexane	4.671	56	20553	3.086	ug/L	98
33) Benzene	5.089	78	21483386m	1075.440	ug/L	
35) Methylcyclohexane	6.127	83	18676m	2.435	ug/L	
42) Toluene	7.384	91	1293227	62.789	ug/L	100
51) Chlorobenzene	8.876	112	18529503m	1333.994	ug/L	
52) Ethylbenzene	9.011	91	138928	6.662	ug/L	98
53) m,p-Xylene	9.140	106	81442	9.928	ug/L	97
54) o-Xylene	9.542	106	91112	11.534	ug/L	99
62) 1,3,5-Trimethylbenzene	10.538	105	11848	1.372	ug/L	98
63) 1,2,4-Trimethylbenzene	10.915	105	51175	7.428	ug/L	98
65) 1,4-Dichlorobenzene	11.272	146	48797	4.729	ug/L	97
67) 1,2-Dichlorobenzene	11.641	146	203379	19.889	ug/L	99
70) 1,2,4-trichlorobenzene	13.265	180	4433	0.780	ug/L	92

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

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

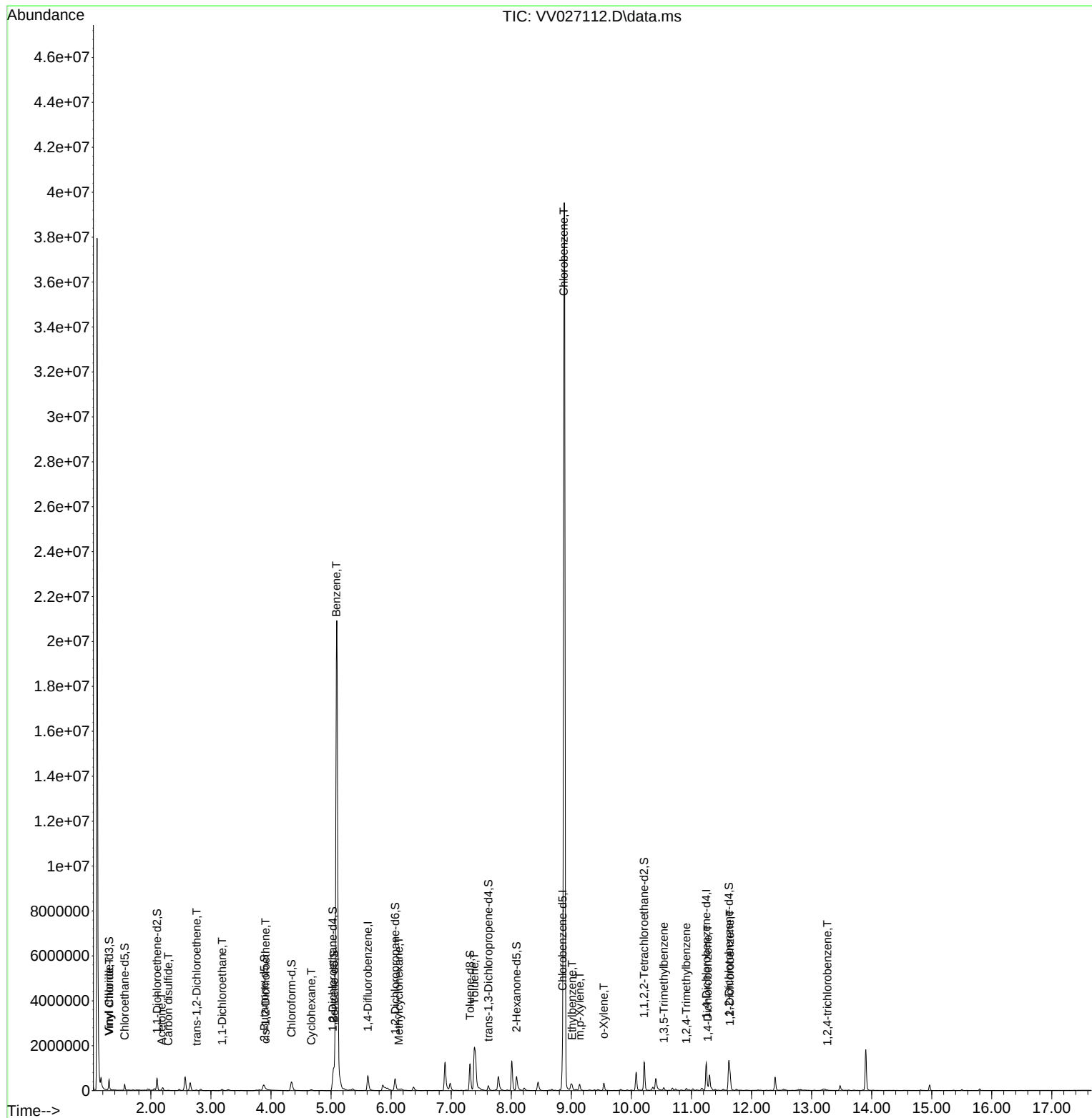
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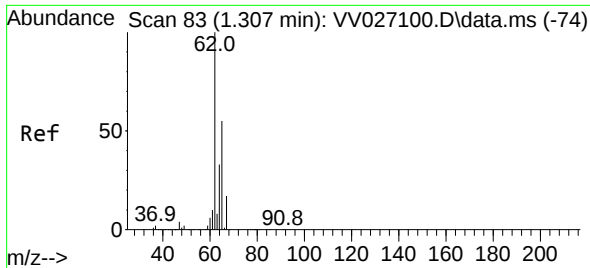
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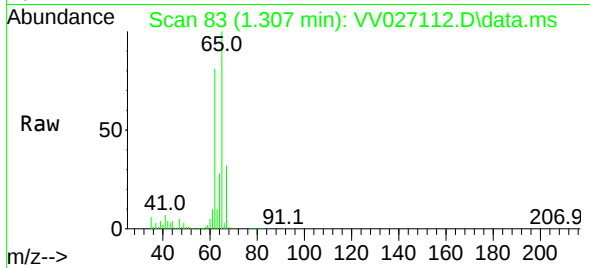
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#5
 Vinyl chloride
 Concen: 19.576 ug/L
 RT: 1.307 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: VV027112.D
 Acq: 30 Jul 2022 03:07

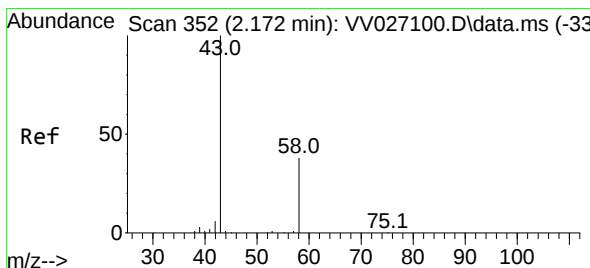
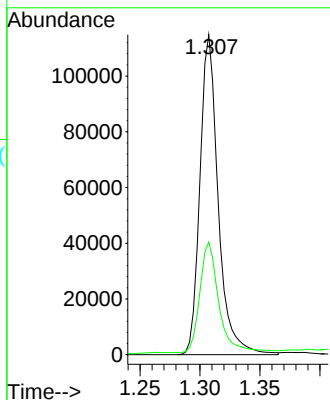
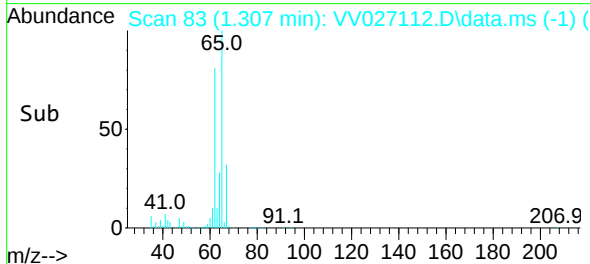
Instrument :
 MSVOA_V
 ClientSampleId :
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Tgt Ion: 62 Resp: 12188
 Ion Ratio Lower Upper
 62 100
 64 35.2 23.2 43.2

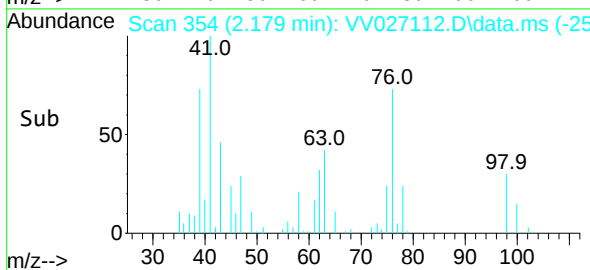
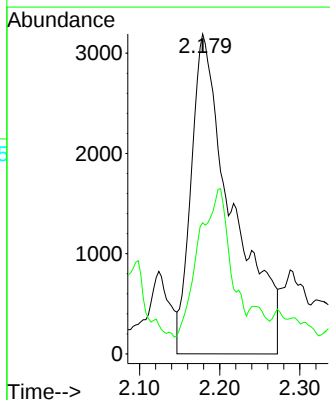
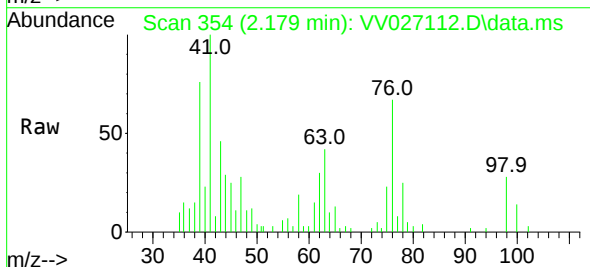
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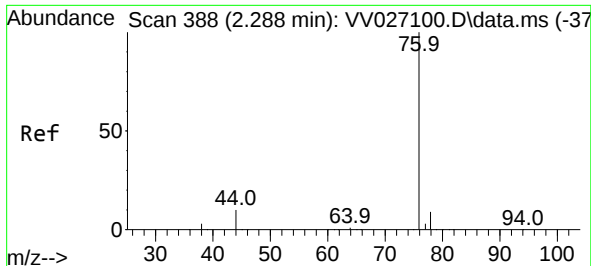
Reviewed By :Krupa Patel 08/01/2022
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#13
 Acetone
 Concen: 4.570 ug/L m
 RT: 2.179 min Scan# 354
 Delta R.T. 0.007 min
 Lab File: VV027112.D
 Acq: 30 Jul 2022 03:07

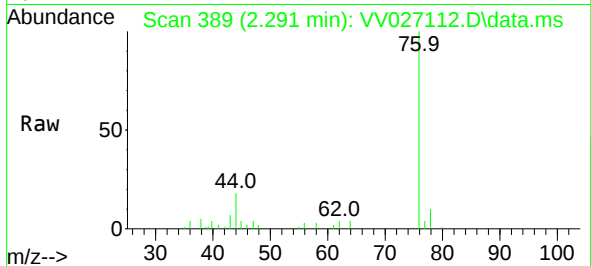
Tgt Ion: 43 Resp: 11357
 Ion Ratio Lower Upper
 43 100
 58 11.6 0.0 49.6





#14
Carbon disulfide
Concen: 1.349 ug/L
RT: 2.291 min Scan# 31
Delta R.T. 0.003 min
Lab File: VV027112.D
Acq: 30 Jul 2022 03:07

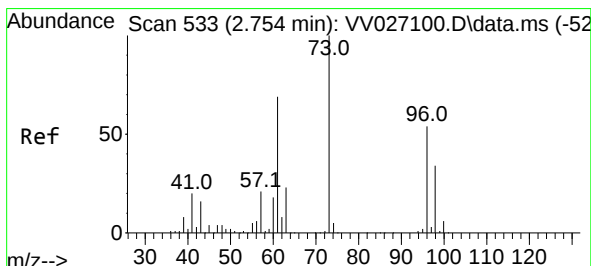
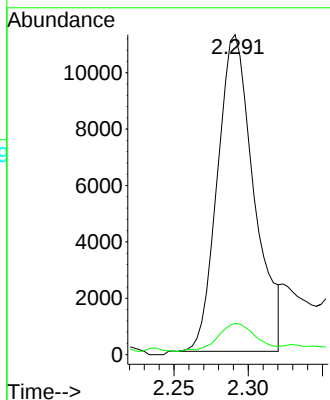
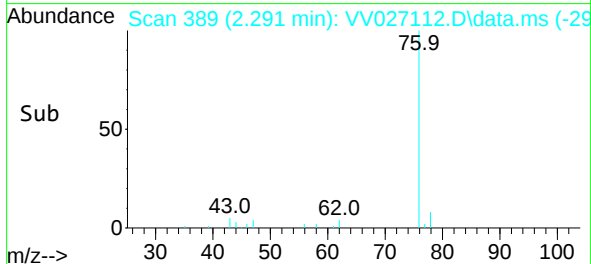
Instrument :
MSVOA_V
ClientSampleId :
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Tgt Ion: 76 Resp: 1928
Ion Ratio Lower Upper
76 100
78 9.8 7.3 10.9

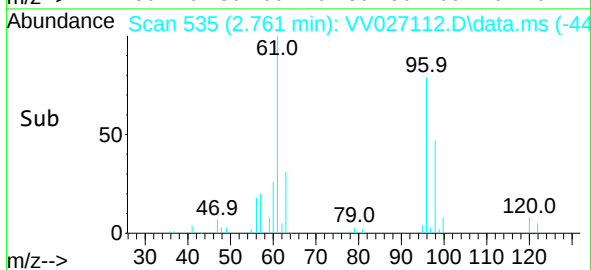
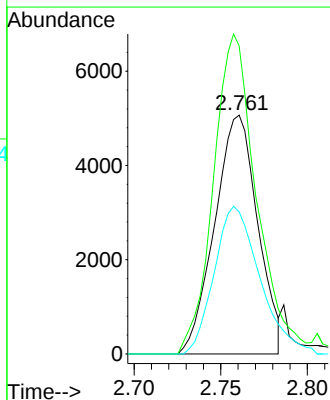
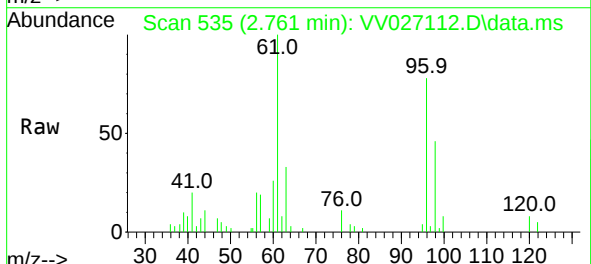
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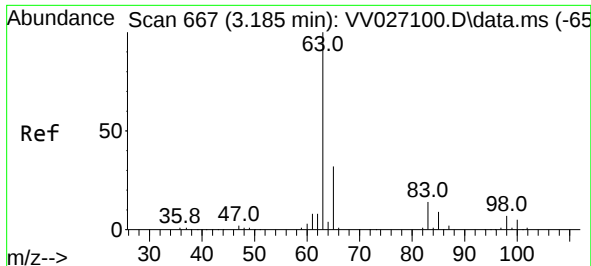
Reviewed By :Krupa Patel 08/01/2022
Supervised By :Mahesh Dadoda 08/02/2022



#17
trans-1,2-Dichloroethene
Concen: 1.772 ug/L
RT: 2.761 min Scan# 535
Delta R.T. 0.007 min
Lab File: VV027112.D
Acq: 30 Jul 2022 03:07

Tgt Ion: 96 Resp: 8739
Ion Ratio Lower Upper
96 100
61 129.0 89.2 165.6
98 59.5 44.6 82.8





#19

1,1-Dichloroethane

Concen: 5.941 ug/L

RT: 3.185 min Scan# 60

Delta R.T. 0.000 min

Lab File: VV027112.D

Acq: 30 Jul 2022 03:07

Instrument :

MSVOA_V

ClientSampleId :

EXF08

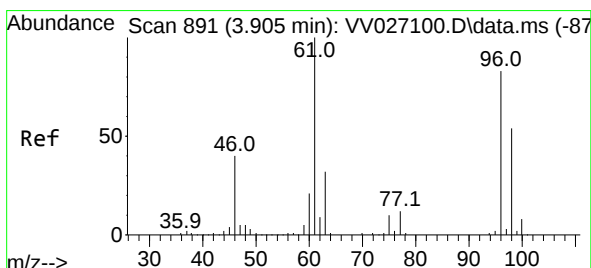
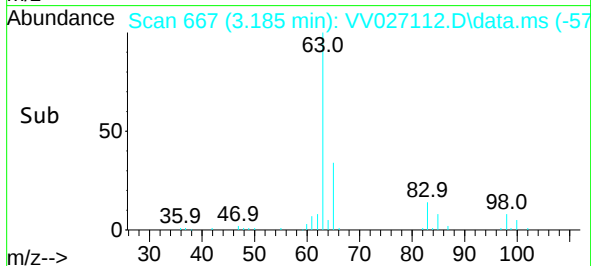
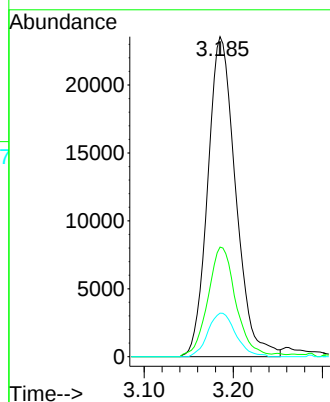
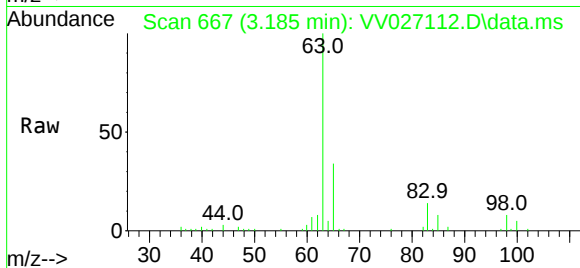
Tgt Ion:	63	Resp:	5116
Ion Ratio	Lower	Upper	
63	100		
65	34.2	22.7	42.3
83	13.6	9.5	17.7

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#20

cis-1,2-Dichloroethene

Concen: 1.685 ug/L

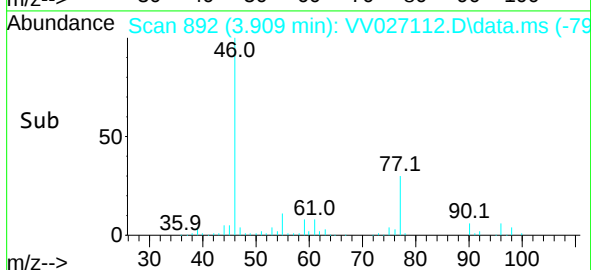
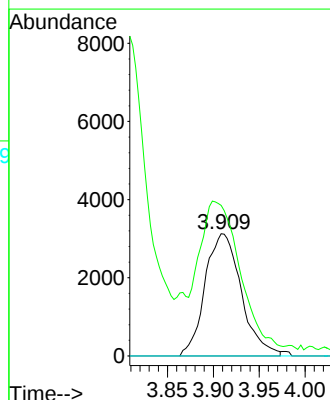
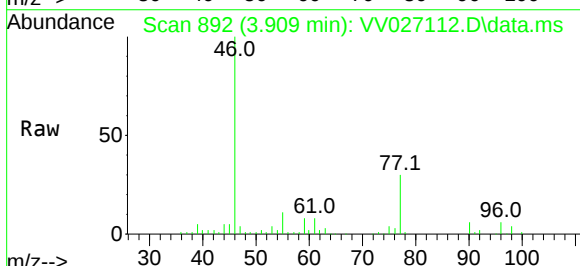
RT: 3.909 min Scan# 892

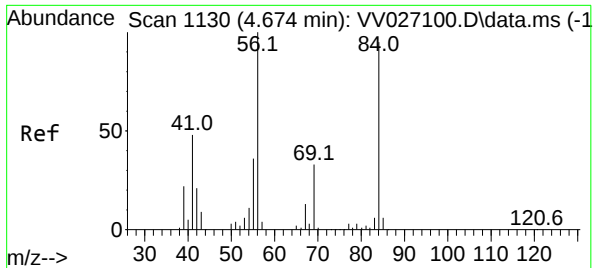
Delta R.T. 0.003 min

Lab File: VV027112.D

Acq: 30 Jul 2022 03:07

Tgt Ion:	96	Resp:	8597
Ion Ratio	Lower	Upper	
96	100		
61	123.2	81.8	151.8
68	0.0	0.0	0.0





#29

Cyclohexane

Concen: 3.086 ug/L

RT: 4.671 min Scan# 1129

Delta R.T. -0.003 min

Lab File: VV027112.D

Acq: 30 Jul 2022 03:07

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EXF08

Tgt Ion: 56 Resp: 2055

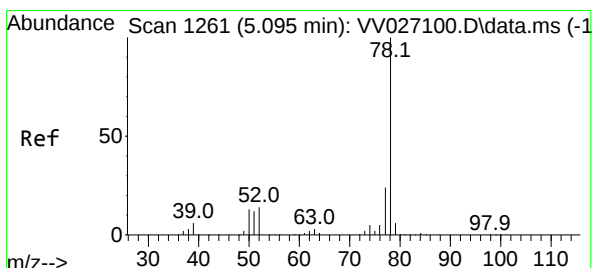
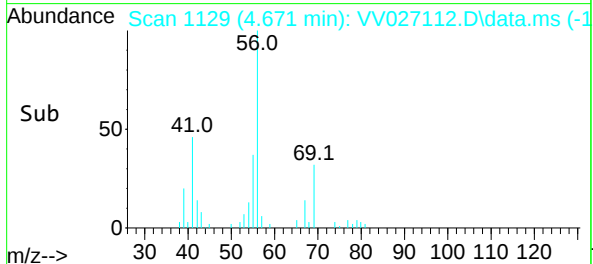
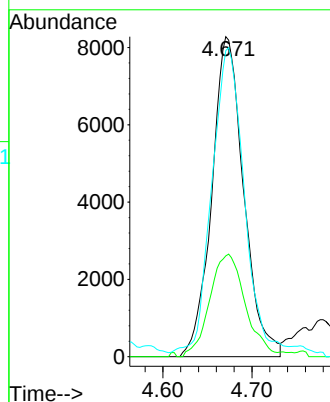
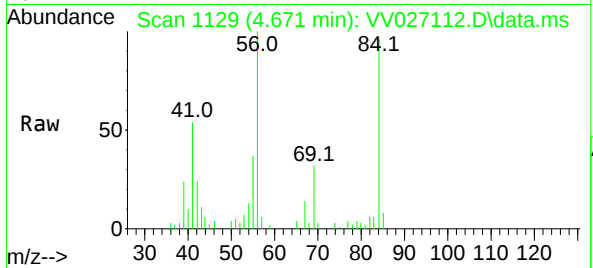
Ion	Ratio	Lower	Upper
56	100		
69	35.8	25.9	38.9
84	94.6	75.3	112.9

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#33

Benzene

Concen: 1075.440 ug/L m

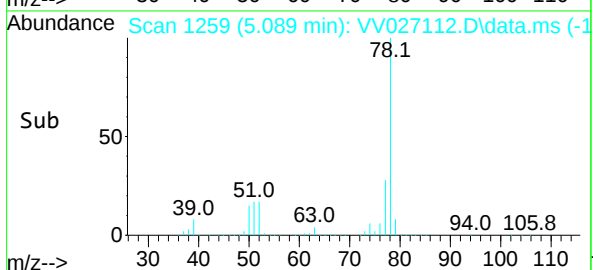
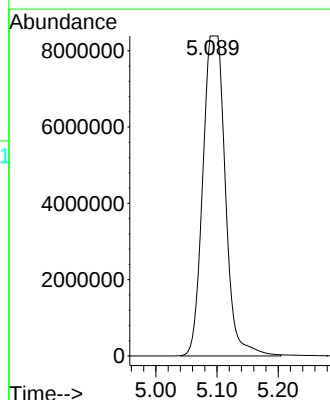
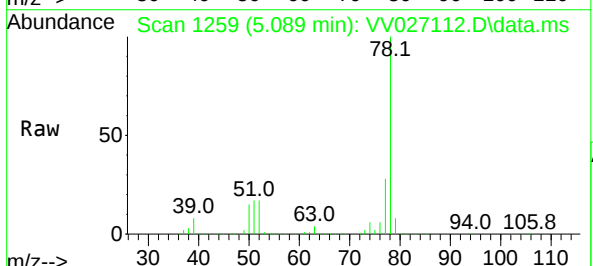
RT: 5.089 min Scan# 1259

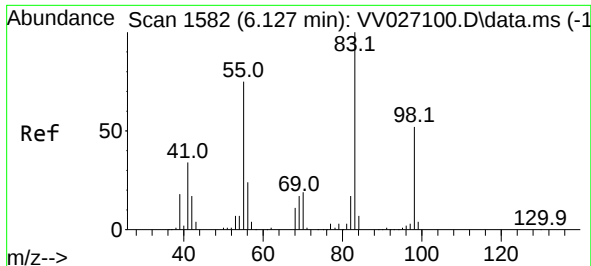
Delta R.T. -0.006 min

Lab File: VV027112.D

Acq: 30 Jul 2022 03:07

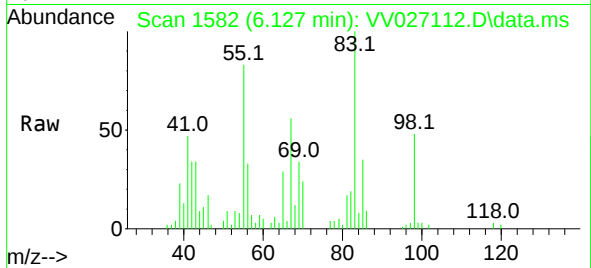
Tgt Ion: 78 Resp:21483386





#35
Methylcyclohexane
Concen: 2.435 ug/L m
RT: 6.127 min Scan# 1582
Delta R.T. 0.000 min
Lab File: VV027112.D
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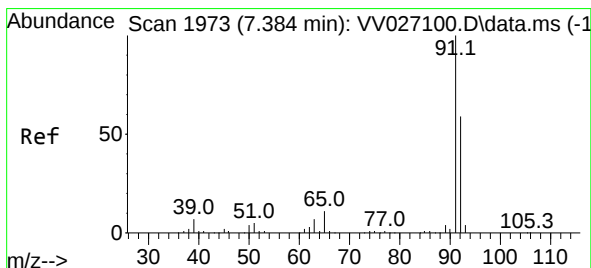
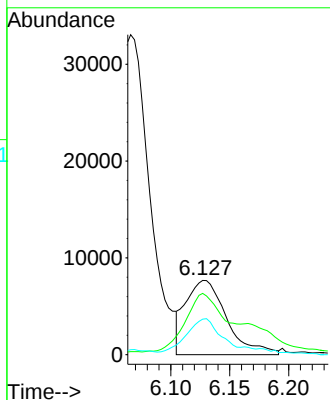
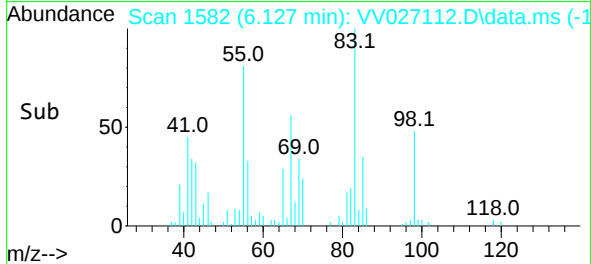
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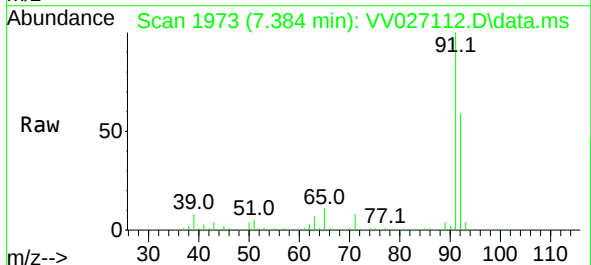
Tgt Ion: 83 Resp: 18670
Ion Ratio Lower Upper
83 100
55 76.2 55.5 83.3
98 36.0 39.0 58.4

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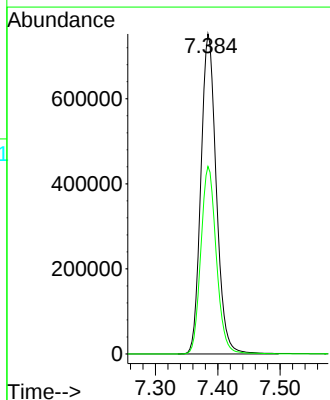
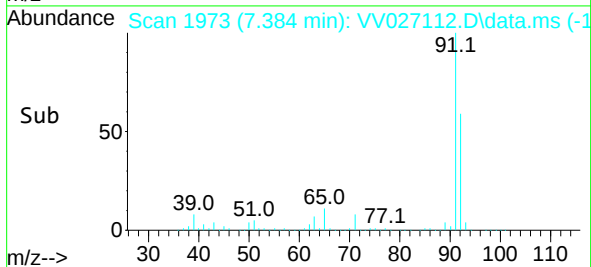
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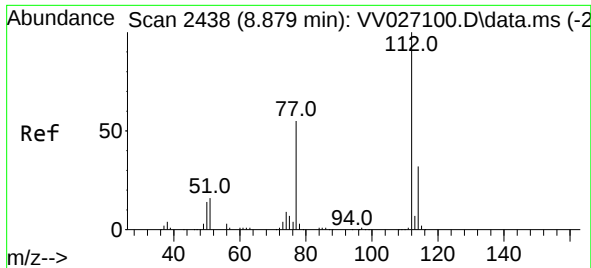


#42
Toluene
Concen: 62.789 ug/L
RT: 7.384 min Scan# 1973
Delta R.T. 0.000 min
Lab File: VV027112.D
Acq: 30 Jul 2022 03:07



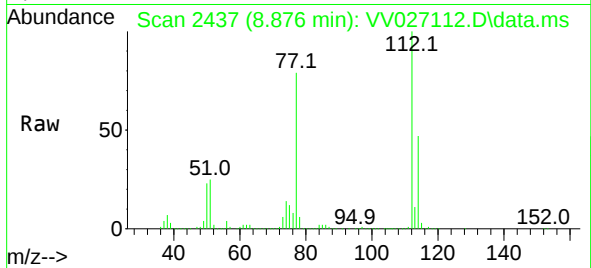
Tgt Ion: 91 Resp: 1293227
Ion Ratio Lower Upper
91 100
92 58.6 40.9 76.0





#51
Chlorobenzene
Concen: 1333.994 ug/L m
RT: 8.876 min Scan# 2438
Delta R.T. -0.003 min
Lab File: VV027112.D
Acq: 30 Jul 2022 03:07

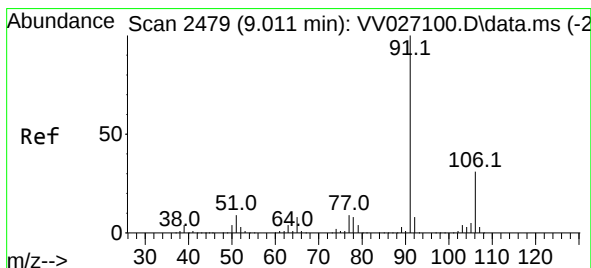
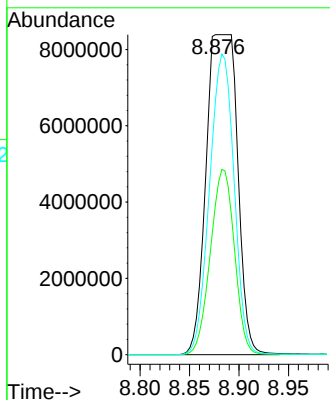
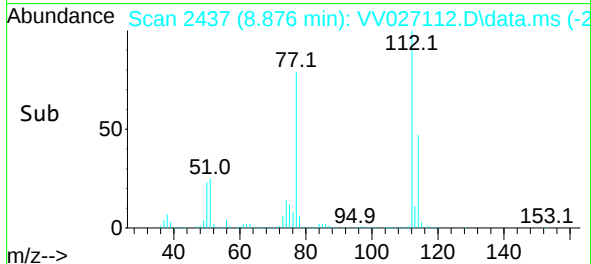
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Tgt Ion:112 Resp:1852950
Ion Ratio Lower Upper
112 100
114 47.0 22.8 42.4
77 79.5 44.2 66.2

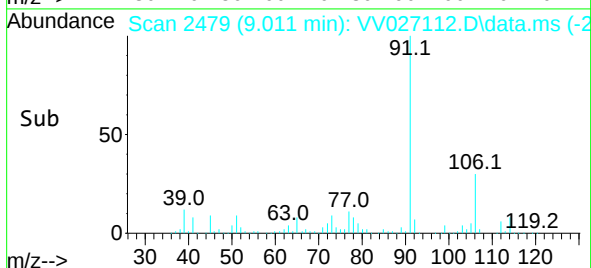
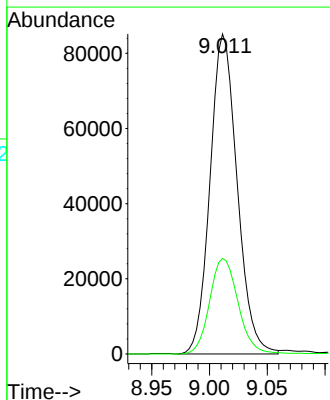
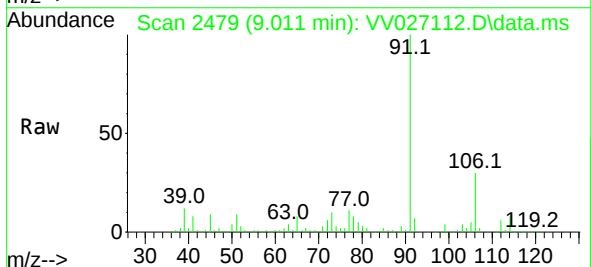
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APPROVED

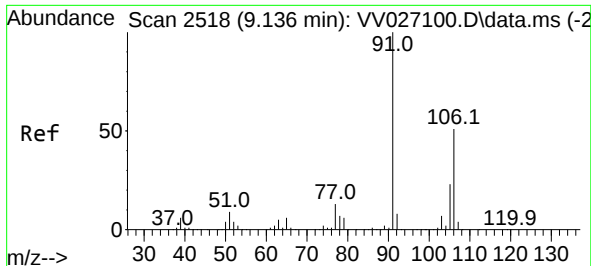
Reviewed By :Krupa Patel 08/01/2022
Supervised By :Mahesh Dadoda 08/02/2022



#52
Ethylbenzene
Concen: 6.662 ug/L
RT: 9.011 min Scan# 2479
Delta R.T. 0.000 min
Lab File: VV027112.D
Acq: 30 Jul 2022 03:07

Tgt Ion: 91 Resp: 138928
Ion Ratio Lower Upper
91 100
106 29.9 21.8 40.6





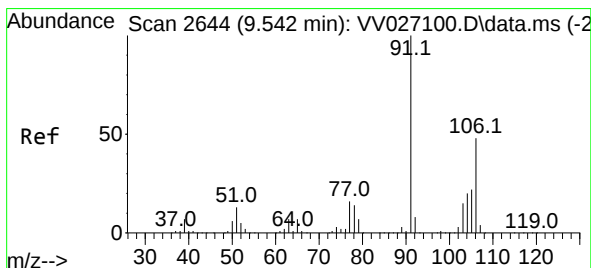
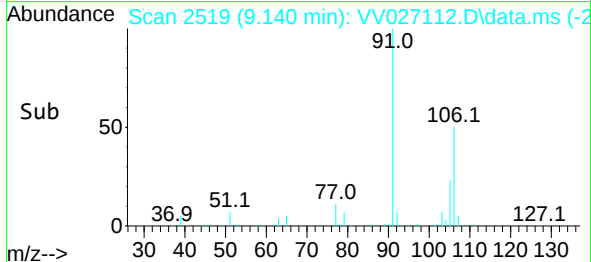
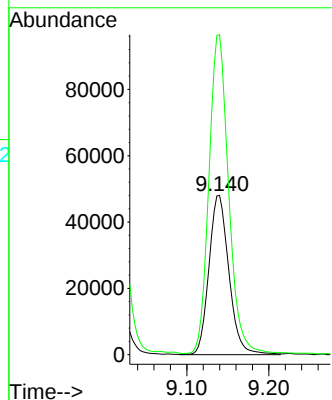
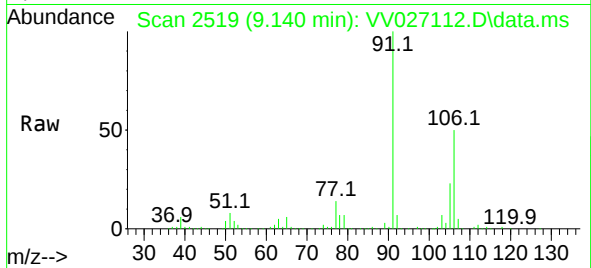
#53
m,p-Xylene
Concen: 9.928 ug/L
RT: 9.140 min Scan# 2518
Delta R.T. 0.003 min
Lab File: VV027112.D
Acq: 30 Jul 2022 03:07

Instrument :
MSVOA_V
ClientSampleId :
EXF08

Tgt Ion:106 Resp: 8144
Ion Ratio Lower Upper
106 100
91 200.9 137.5 255.3

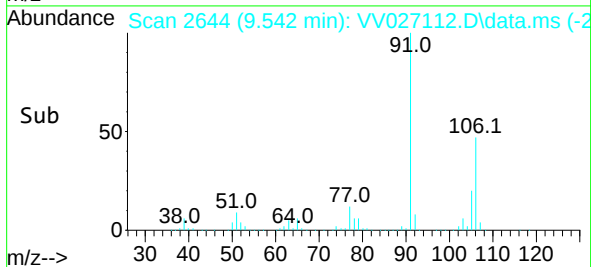
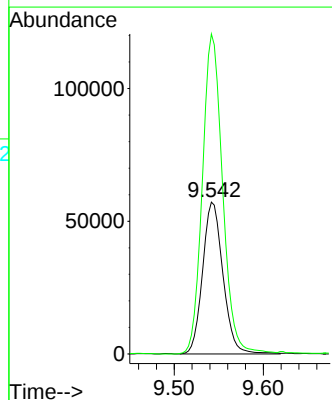
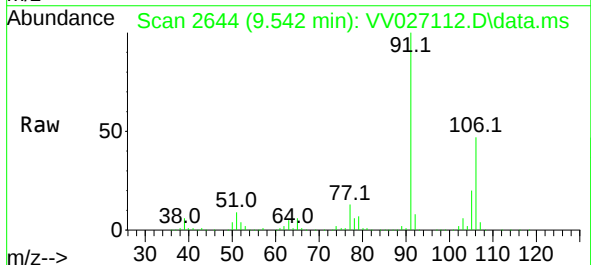
Manual Integrations
APPROVED

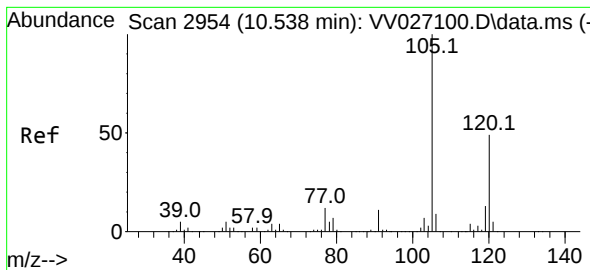
Reviewed By :Krupa Patel 08/01/2022
Supervised By :Mahesh Dadoda 08/02/2022



#54
o-Xylene
Concen: 11.534 ug/L
RT: 9.542 min Scan# 2644
Delta R.T. 0.000 min
Lab File: VV027112.D
Acq: 30 Jul 2022 03:07

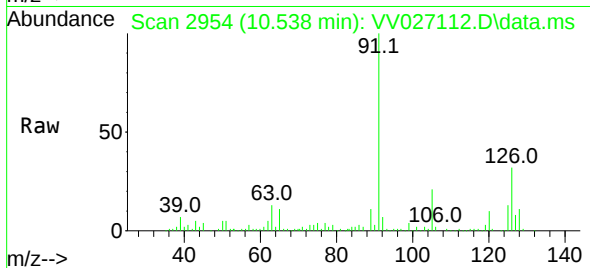
Tgt Ion:106 Resp: 91112
Ion Ratio Lower Upper
106 100
91 210.7 146.6 272.2





#62
1,3,5-Trimethylbenzene
Concen: 1.372 ug/L
RT: 10.538 min Scan# 2954
Delta R.T. 0.000 min
Lab File: VV027112.D
Acq: 30 Jul 2022 03:07

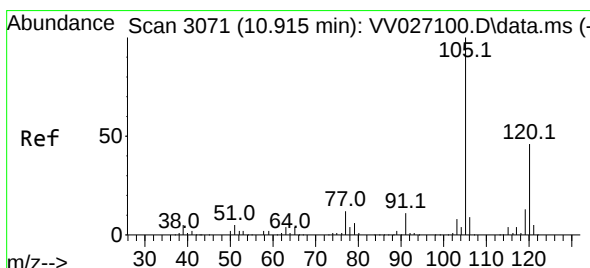
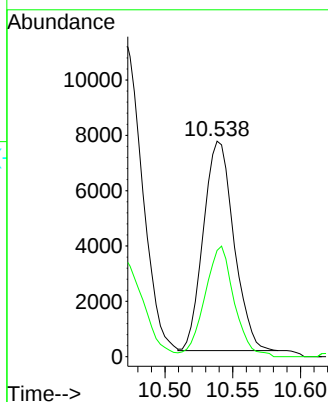
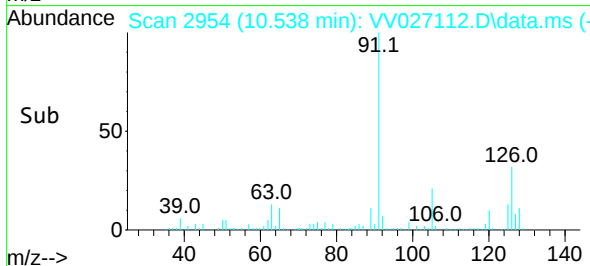
Instrument :
MSVOA_V
ClientSampleId :
EXF08



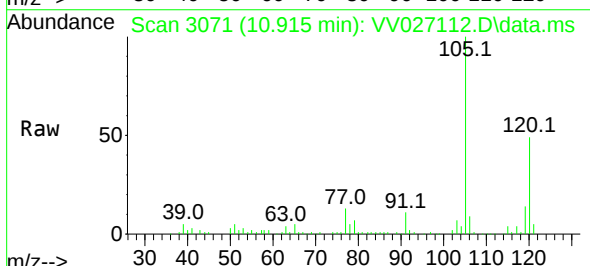
Tgt Ion:105 Resp: 1184
Ion Ratio Lower Upper
105 100
120 50.7 39.3 58.9

Manual Integrations
APPROVED

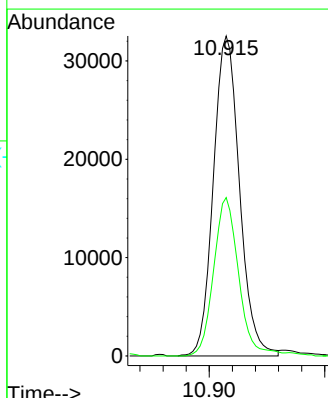
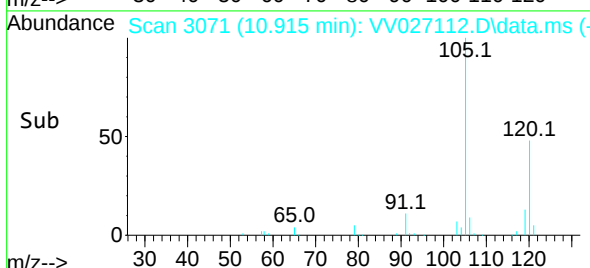
Reviewed By :Krupa Patel 08/01/2022
Supervised By :Mahesh Dadoda 08/02/2022

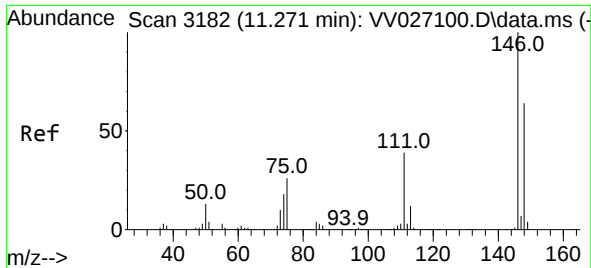


#63
1,2,4-Trimethylbenzene
Concen: 7.428 ug/L
RT: 10.915 min Scan# 3071
Delta R.T. 0.000 min
Lab File: VV027112.D
Acq: 30 Jul 2022 03:07



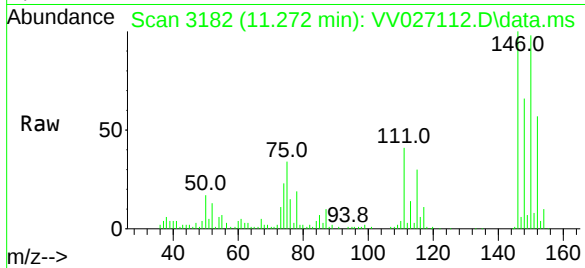
Tgt Ion:105 Resp: 51175
Ion Ratio Lower Upper
105 100
120 47.3 37.0 55.6





#65
1,4-Dichlorobenzene
Concen: 4.729 ug/L
RT: 11.272 min Scan# 3182
Delta R.T. 0.000 min
Lab File: VV027112.D
Acq: 30 Jul 2022 03:07

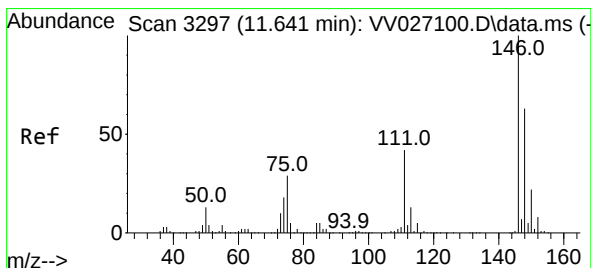
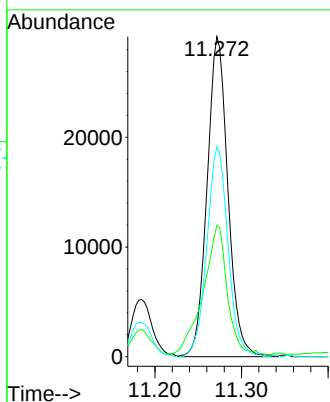
Instrument :
MSVOA_V
ClientSampleId :
EXF08



Tgt Ion:146 Resp: 4879
Ion Ratio Lower Upper
146 100
111 41.0 27.4 51.0
148 65.6 44.6 82.8

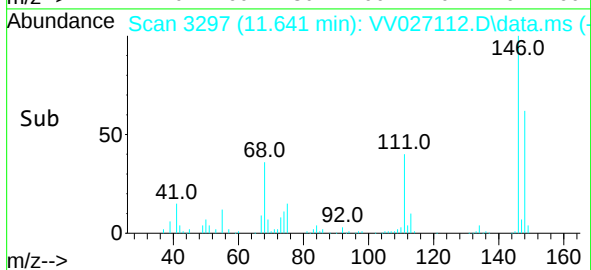
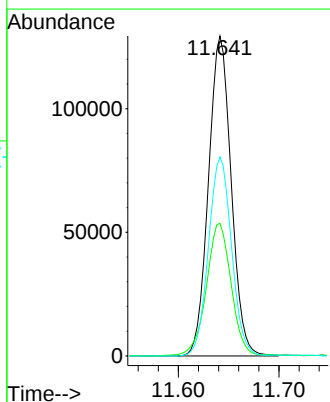
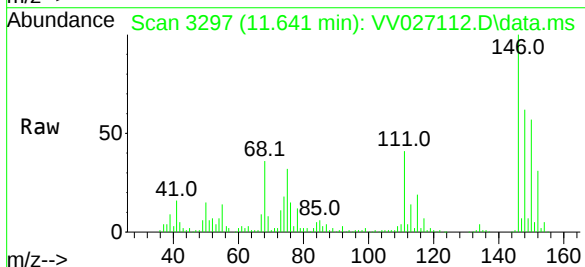
Manual Integrations
APPROVED

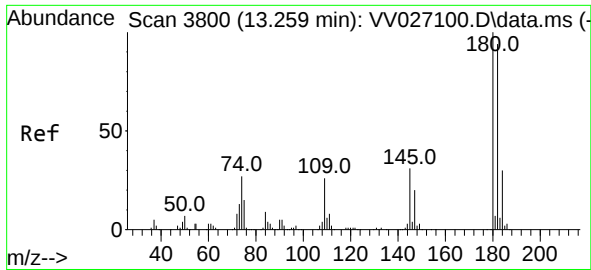
Reviewed By :Krupa Patel 08/01/2022
Supervised By :Mahesh Dadoda 08/02/2022



#67
1,2-Dichlorobenzene
Concen: 19.889 ug/L
RT: 11.641 min Scan# 3297
Delta R.T. 0.000 min
Lab File: VV027112.D
Acq: 30 Jul 2022 03:07

Tgt Ion:146 Resp: 203379
Ion Ratio Lower Upper
146 100
111 41.5 34.0 51.0
148 62.1 50.5 75.7





#70

1,2,4-trichlorobenzene

Concen: 0.780 ug/L

RT: 13.265 min Scan# 3802

Delta R.T. 0.007 min

Lab File: VV027112.D

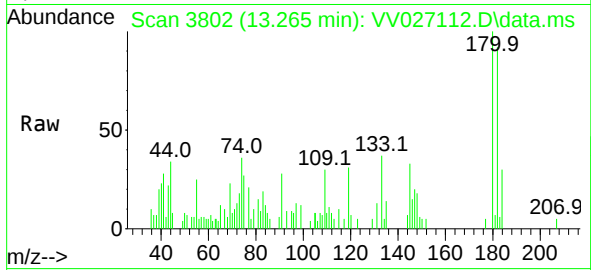
Acq: 30 Jul 2022 03:07

Instrument :

MSVOA_V

ClientSampleId :

EXF08



Tgt Ion:180 Resp: 443

Ion Ratio Lower Upper

180 100

182 85.9 75.9 113.9

145 33.2 24.7 37.1

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 08/01/2022

Supervised By :Mahesh Dadoda 08/02/2022

