

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW072922\
 Data File : VW027110.D
 Acq On : 30 Jul 2022 02:19
 Operator : SY/MD
 Sample : N3956-09
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 EXF06

Manual Integrations
 APPROVED

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

Quant Time: Jul 30 04:30:02 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	667183	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.857	117	663016	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.246	152	356448	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.301	65	203507	32.062	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	64.120%		
7) Chloroethane-d5	1.561	69	171647	34.131	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	68.260%#		
11) 1,1-Dichloroethene-d2	2.101	63	293832	27.191	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	54.380%#		
21) 2-Butanone-d5	3.883	46	287798	79.517	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	79.520%		
24) Chloroform-d	4.339	84	437315	38.254	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	76.500%		
26) 1,2-Dichloroethane-d4	5.027	65	268072	41.308	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	82.620%		
32) Benzene-d6	5.047	84	957070	41.106	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	82.220%		
36) 1,2-Dichloropropane-d6	6.066	67	295519	41.470	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	82.940%		
41) Toluene-d8	7.313	98	870442	41.362	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	82.720%		
43) trans-1,3-Dichloroprop...	7.619	79	124326	39.495	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	78.980%		
47) 2-Hexanone-d5	8.088	63	317738	103.719	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	103.720%		
56) 1,1,2,2-Tetrachloroeth...	10.214	84	418410	38.942	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	77.880%		
66) 1,2-Dichlorobenzene-d4	11.622	152	334642	41.763	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	83.520%		
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.307	62	16787	2.500	ug/L #	49
13) Acetone	2.172	43	853094	318.234	ug/L	70
14) Carbon disulfide	2.291	76	17314	1.123	ug/L	100
15) Methyl Acetate	2.426	43	203585	45.699	ug/L #	88
19) 1,1-Dichloroethane	3.182	63	50635	5.450	ug/L	98
22) 2-Butanone	3.970	43	227531	76.936	ug/L	87
29) Cyclohexane	4.670	56	48085	6.750	ug/L	96
30) 1,1,1-Trichloroethane	4.603	97	10314	1.212	ug/L #	63
33) Benzene	5.085	78	24583310m	1150.534	ug/L	
35) Methylcyclohexane	6.127	83	93512	11.398	ug/L #	87
40) 4-Methyl-2-pentanone	7.230	43	86274	12.755	ug/L	93
42) Toluene	7.384	91	5612433	254.763	ug/L	98
48) 2-Hexanone	8.140	43	108374	20.332	ug/L	96
51) Chlorobenzene	8.873	112	24342847m	1638.466	ug/L	
52) Ethylbenzene	9.011	91	312759	14.021	ug/L	99
53) m,p-Xylene	9.137	106	182146	20.760	ug/L	100
54) o-Xylene	9.542	106	118441	14.018	ug/L	98
60) Isopropylbenzene	9.931	105	43190	1.942	ug/L	100
62) 1,3,5-Trimethylbenzene	10.538	105	21019	2.208	ug/L	91

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
63) 1,2,4-Trimethylbenzene	10.915	105	117240	15.431	ug/L	98
64) 1,3-Dichlorobenzene	11.181	146	16872	1.562	ug/L	96
65) 1,4-Dichlorobenzene	11.272	146	95229	8.369	ug/L	100
67) 1,2-Dichlorobenzene	11.641	146	146282	12.972	ug/L	99
70) 1,2,4-trichlorobenzene	13.262	180	12939	2.064	ug/L	97

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

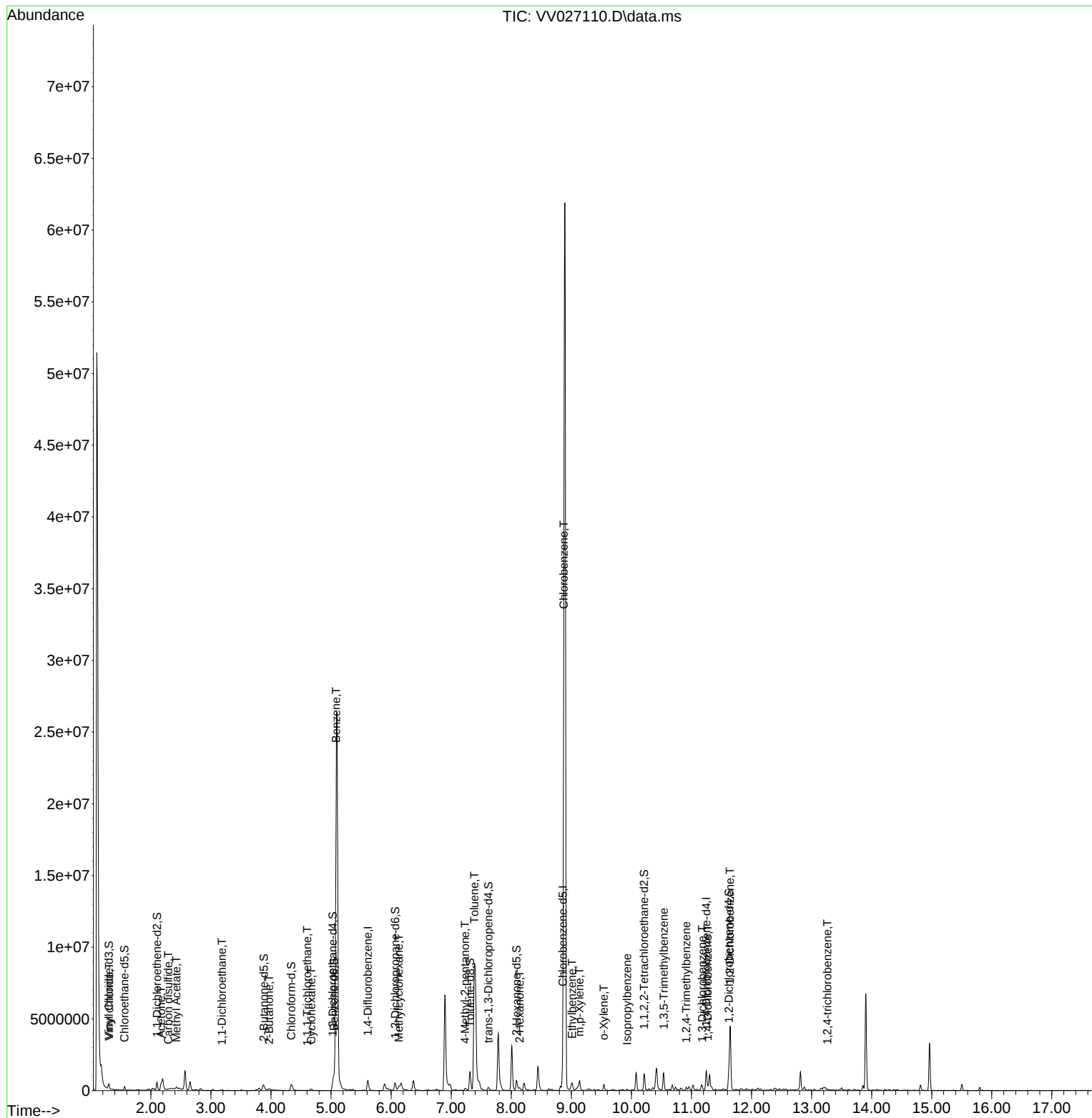
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV072922\
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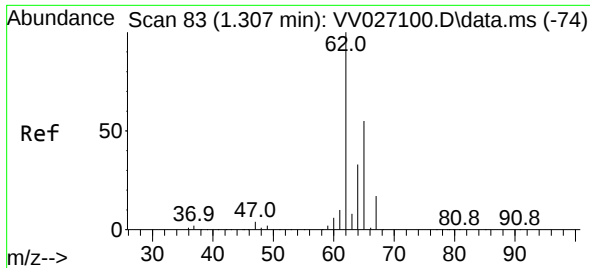
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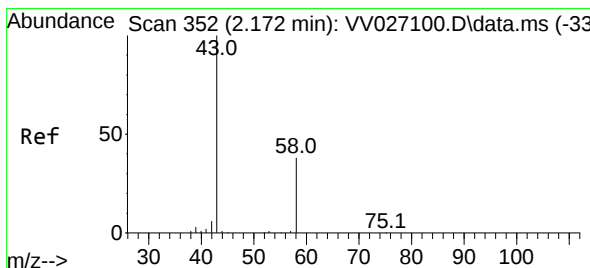
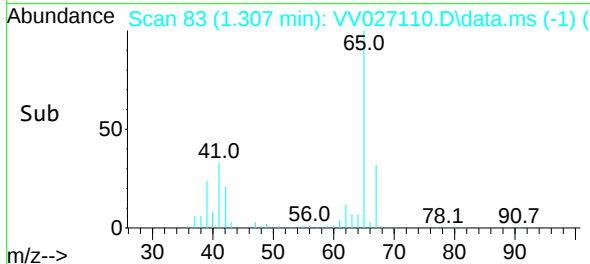
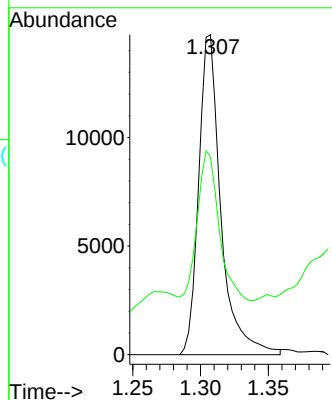
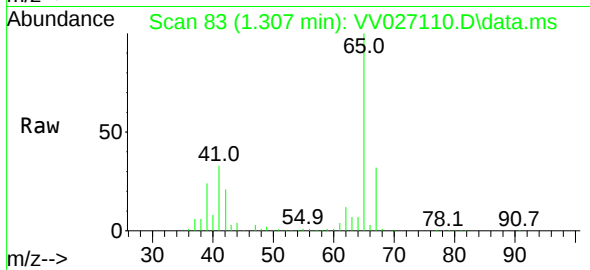
#5
 Vinyl chloride
 Concen: 2.500 ug/L
 RT: 1.307 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: VV027110.D
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Tgt Ion: 62 Resp: 1678
 Ion Ratio Lower Upper
 62 100
 64 61.8 23.2 43.2

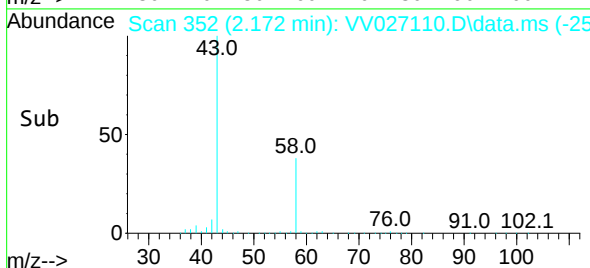
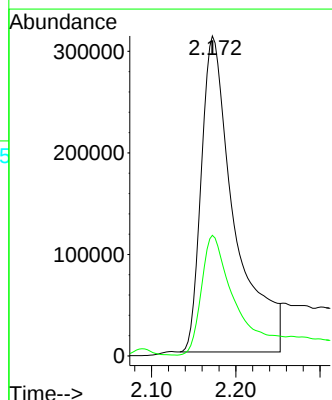
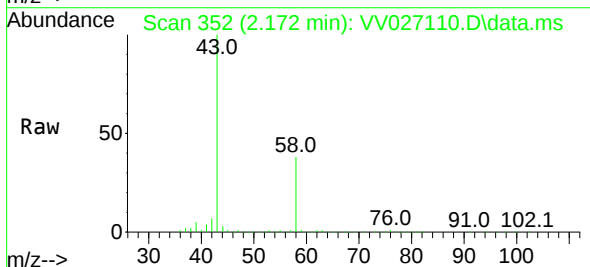
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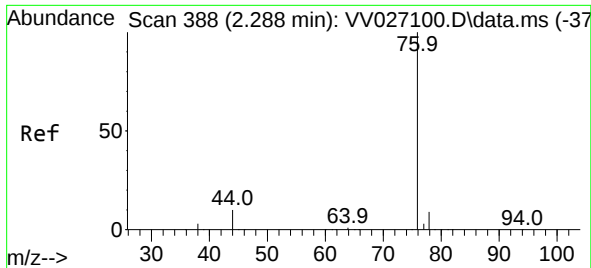
Reviewed By :Krupa Patel 08/01/2022
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#13
 Acetone
 Concen: 318.234 ug/L
 RT: 2.172 min Scan# 352
 Delta R.T. 0.000 min
 Lab File: VV027110.D
 Acq: 30 Jul 2022 02:19

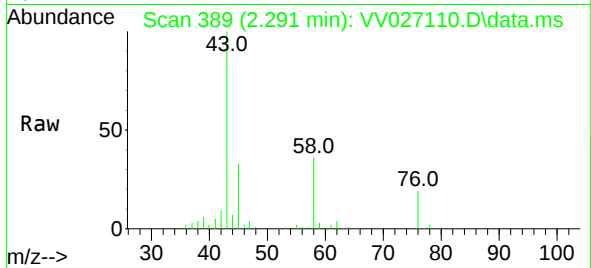
Tgt Ion: 43 Resp: 853094
 Ion Ratio Lower Upper
 43 100
 58 39.9 0.0 49.6





#14
Carbon disulfide
Concen: 1.123 ug/L
RT: 2.291 min Scan# 389
Delta R.T. 0.003 min
Lab File: VV027110.D
Acq: 30 Jul 2022 02:19

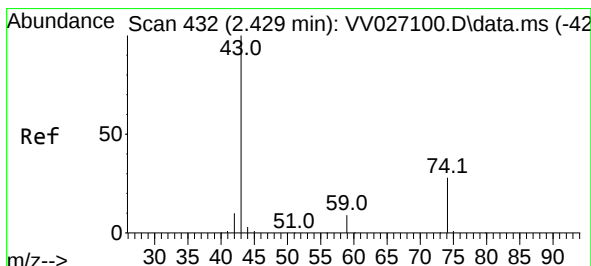
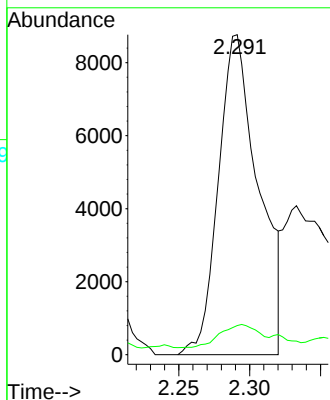
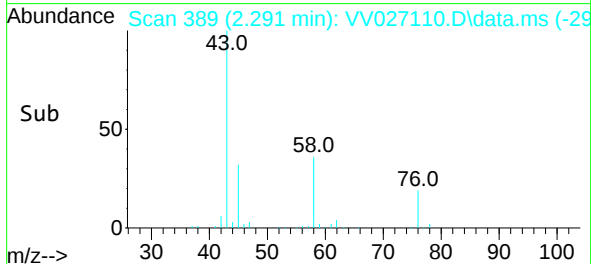
Instrument :
MSVOA_V
ClientSampleId :
EXF06



Tgt Ion: 76 Resp: 17314
Ion Ratio Lower Upper
76 100
78 9.1 7.3 10.9

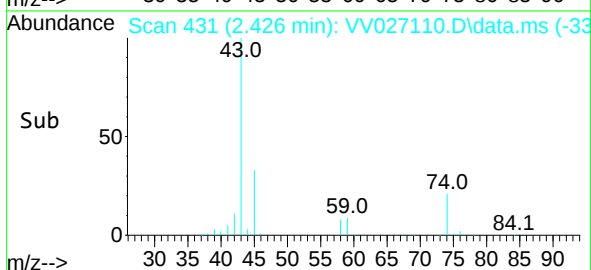
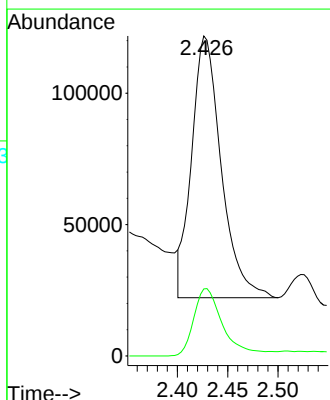
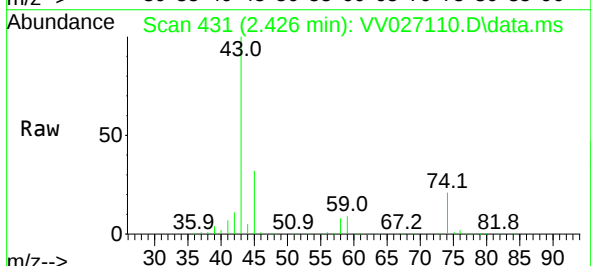
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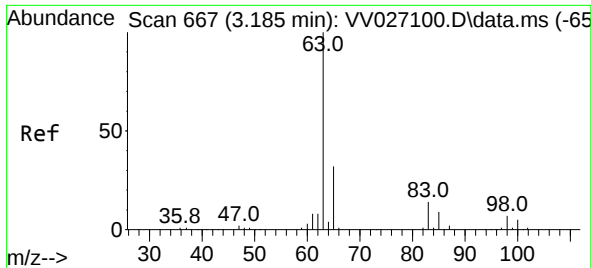
Reviewed By :Krupa Patel 08/01/2022
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#15
Methyl Acetate
Concen: 45.699 ug/L
RT: 2.426 min Scan# 431
Delta R.T. -0.003 min
Lab File: VV027110.D
Acq: 30 Jul 2022 02:19

Tgt Ion: 43 Resp: 203585
Ion Ratio Lower Upper
43 100
74 25.3 25.5 38.3#





#19

1,1-Dichloroethane

Concen: 5.450 ug/L

RT: 3.182 min Scan# 60

Delta R.T. -0.003 min

Lab File: VV027110.D

Acq: 30 Jul 2022 02:19

Instrument :

MSVOA_V

ClientSampleId :

EXF06

Tgt Ion: 63 Resp: 5063

Ion Ratio Lower Upper

63 100

65 32.0 22.7 42.3

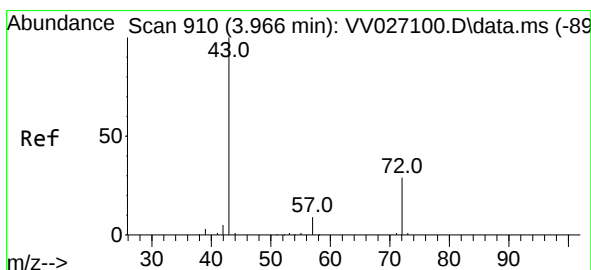
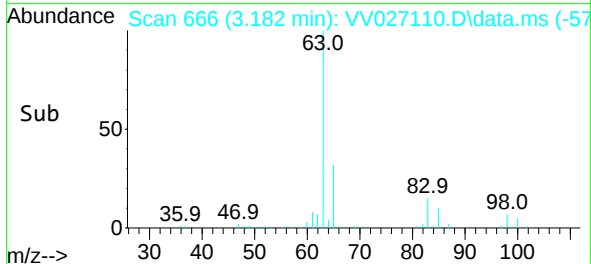
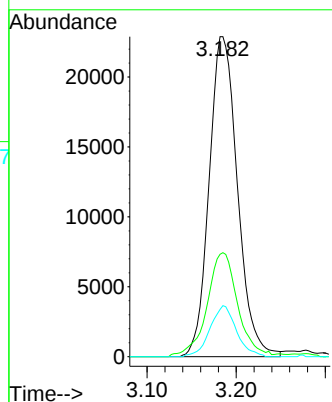
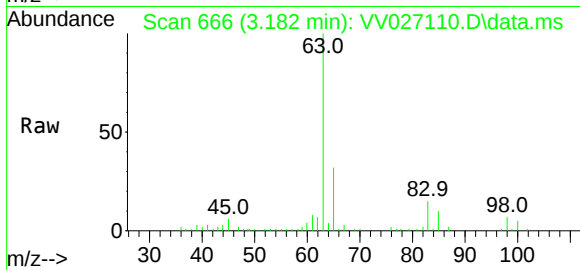
83 14.8 9.5 17.7

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#22

2-Butanone

Concen: 76.936 ug/L

RT: 3.970 min Scan# 911

Delta R.T. 0.003 min

Lab File: VV027110.D

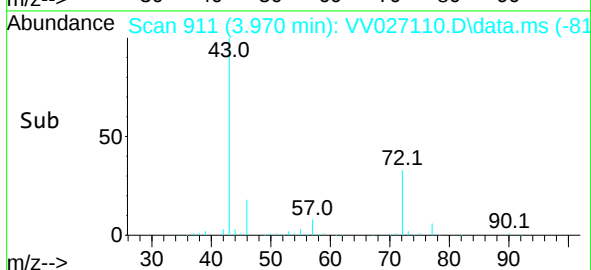
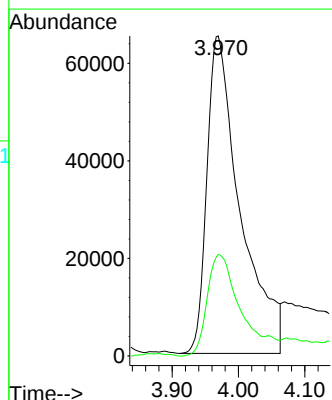
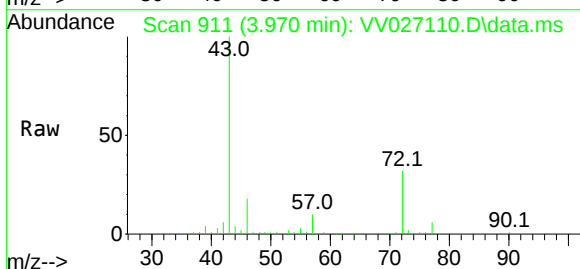
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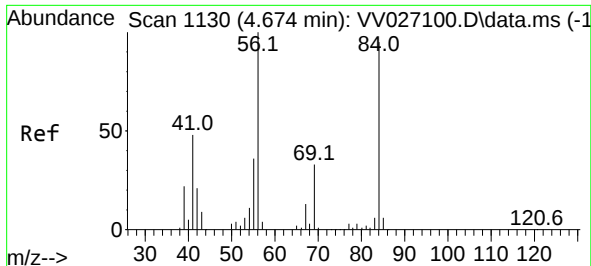
Tgt Ion: 43 Resp: 227531

Ion Ratio Lower Upper

43 100

72 30.2 11.9 35.7





#29

Cyclohexane

Concen: 6.750 ug/L

RT: 4.670 min Scan# 1129

Delta R.T. -0.003 min

Lab File: VV027110.D

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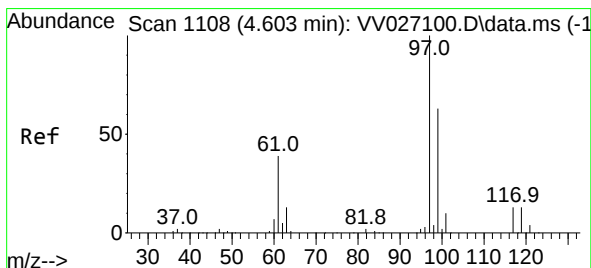
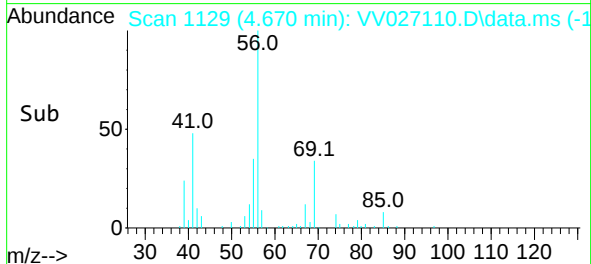
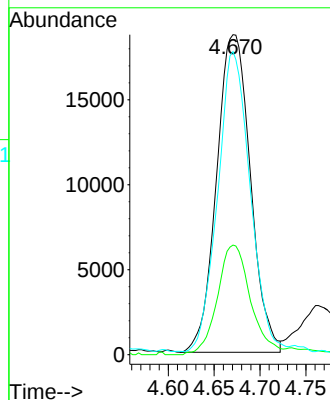
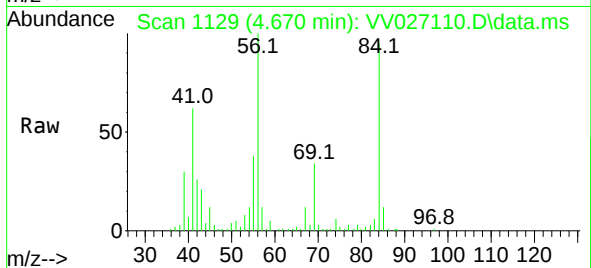
Tgt Ion: 56	Resp: 4808
Ion Ratio	Lower Upper
56	100
69	33.7 25.9 38.9
84	90.2 75.3 112.9

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#30

1,1,1-Trichloroethane

Concen: 1.212 ug/L

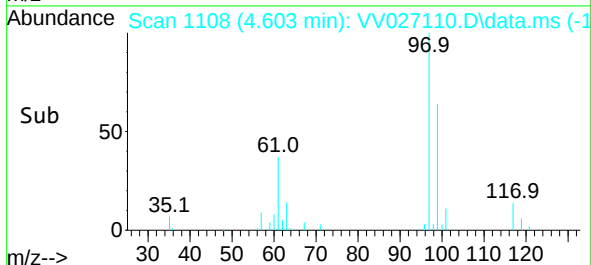
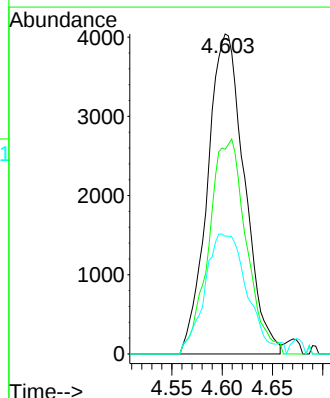
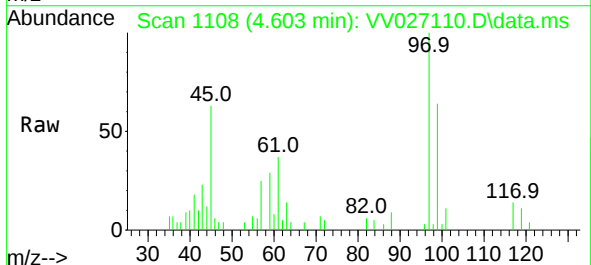
RT: 4.603 min Scan# 1108

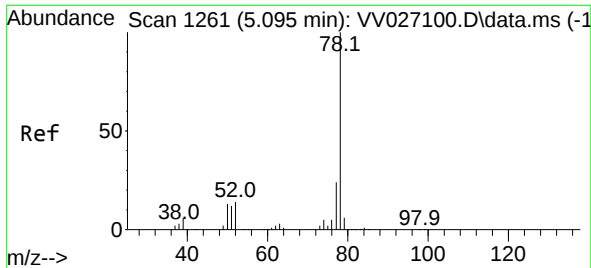
Delta R.T. 0.000 min

Lab File: VV027110.D

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Tgt Ion: 97	Resp: 10314
Ion Ratio	Lower Upper
97	100
99	32.2 51.4 77.2#
61	21.7 32.1 48.1#





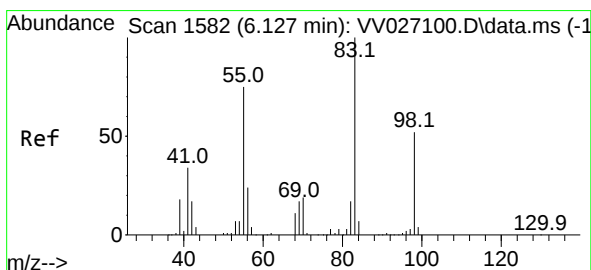
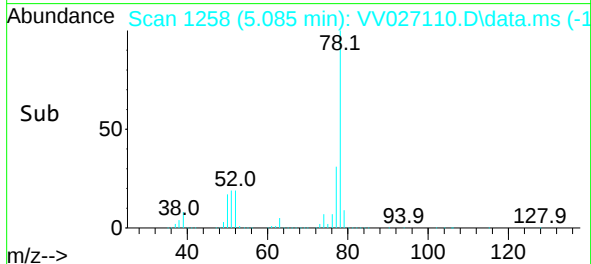
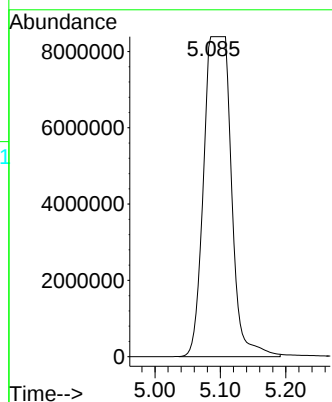
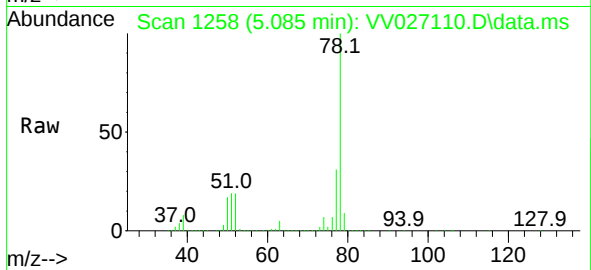
#33
Benzene
Concen: 1150.534 ug/L m
RT: 5.085 min Scan# 1258
Delta R.T. -0.010 min
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Tgt Ion: 78 Resp:24583310

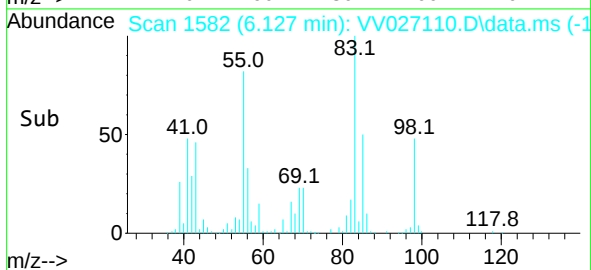
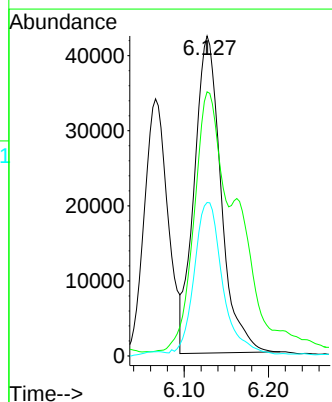
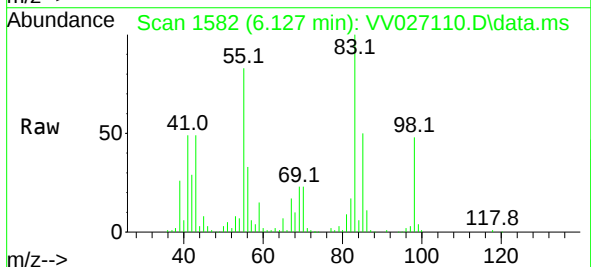
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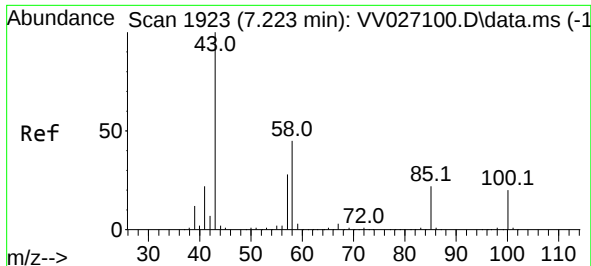
Reviewed By :Krupa Patel 08/01/2022
Supervised By :Mahesh Dadoda 08/02/2022



#35
Methylcyclohexane
Concen: 11.398 ug/L
RT: 6.127 min Scan# 1582
Delta R.T. 0.000 min
Lab File: VV027110.D
Acq: 30 Jul 2022 02:19

Tgt Ion: 83 Resp: 93512
Ion Ratio Lower Upper
83 100
55 86.3 55.5 83.3#
98 50.0 39.0 58.4





#40

4-Methyl-2-pentanone

Concen: 12.755 ug/L

RT: 7.230 min Scan# 1923

Delta R.T. 0.006 min

Lab File: VV027110.D

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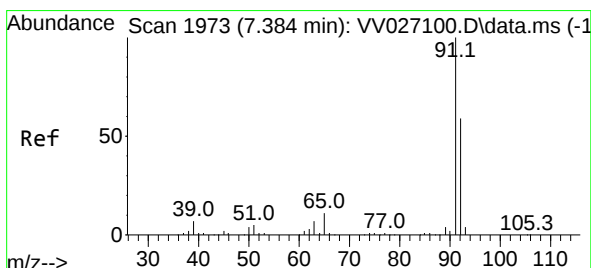
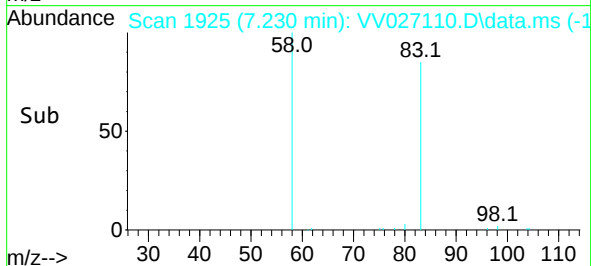
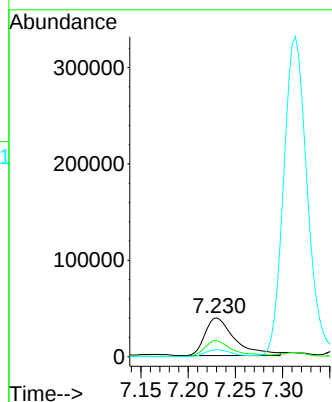
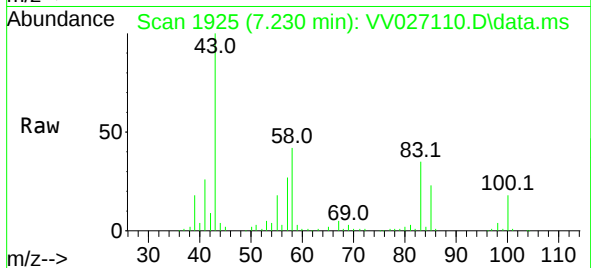
Tgt Ion: 43 Resp: 86274
 Ion Ratio Lower Upper
 43 100
 58 39.0 35.3 52.9
 100 16.7 15.7 23.5

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#42

Toluene

Concen: 254.763 ug/L

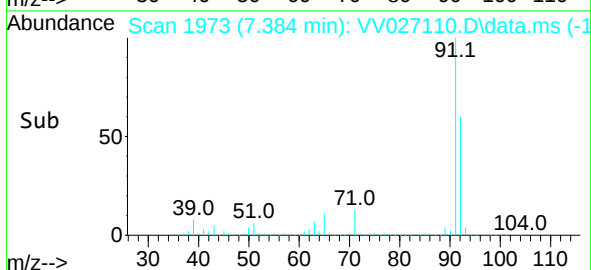
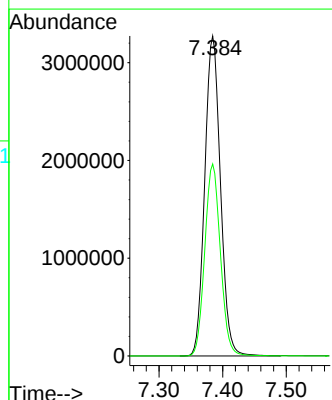
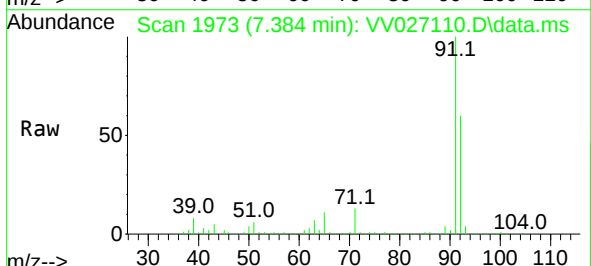
RT: 7.384 min Scan# 1973

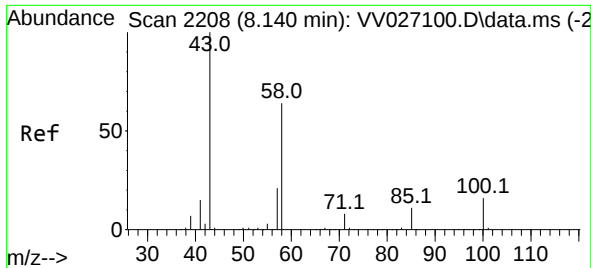
Delta R.T. 0.000 min

Lab File: VV027110.D

Acq: 30 Jul 2022 02:19

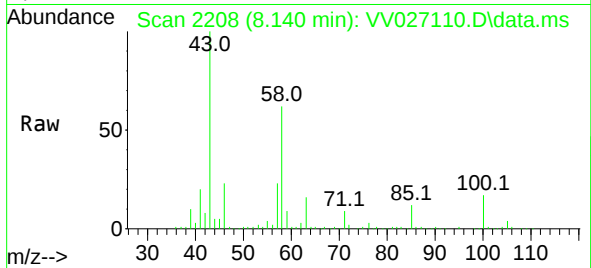
Tgt Ion: 91 Resp: 5612433
 Ion Ratio Lower Upper
 91 100
 92 60.0 40.9 76.0





#48
2-Hexanone
Concen: 20.332 ug/L
RT: 8.140 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV027110.D
Acq: 30 Jul 2022 02:19

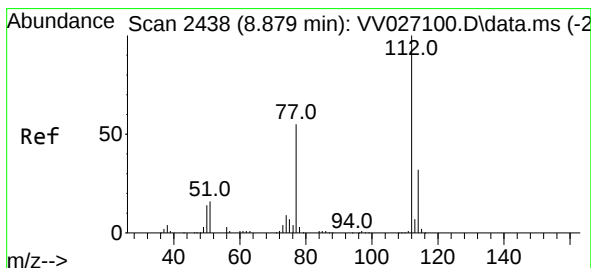
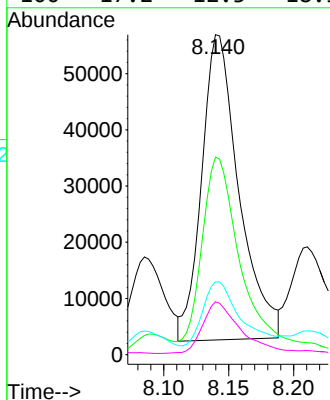
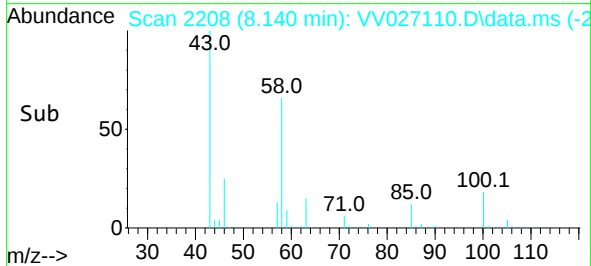
Instrument :
MSVOA_V
ClientSampleId :
EXF06



Tgt Ion: 43 Resp: 108374
Ion Ratio Lower Upper
43 100
58 67.5 50.8 76.2
57 21.4 17.1 25.7
100 17.2 12.3 18.5

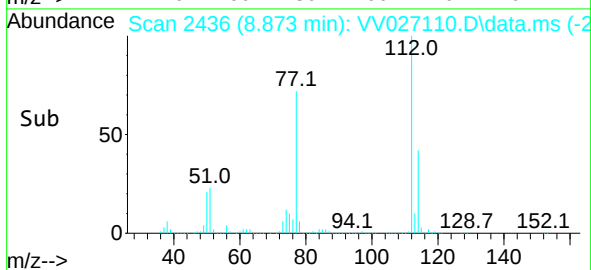
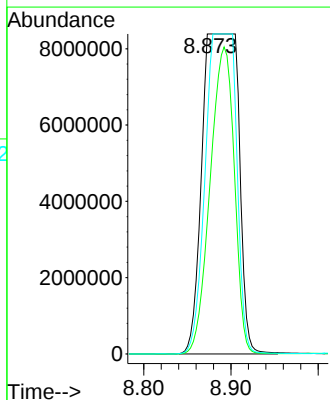
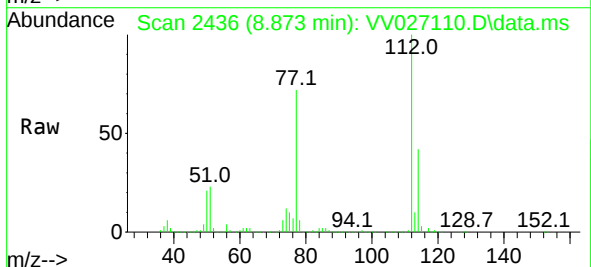
Manual Integrations
APPROVED

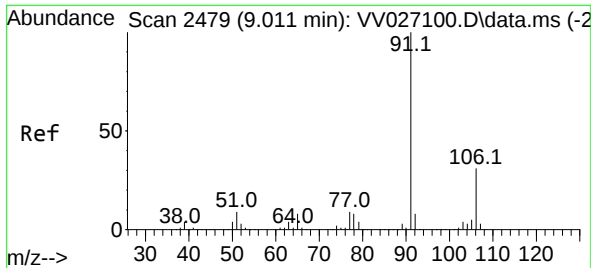
Reviewed By :Krupa Patel 08/01/2022
Supervised By :Mahesh Dadoda 08/02/2022



#51
Chlorobenzene
Concen: 1638.466 ug/L m
RT: 8.873 min Scan# 2436
Delta R.T. -0.006 min
Lab File: VV027110.D
Acq: 30 Jul 2022 02:19

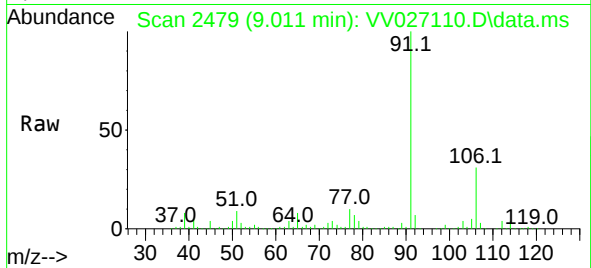
Tgt Ion:112 Resp:24342847
Ion Ratio Lower Upper
112 100
114 41.6 22.8 42.4
77 71.6 44.2 66.2#





#52
Ethylbenzene
Concen: 14.021 ug/L
RT: 9.011 min Scan# 2479
Delta R.T. 0.000 min
Lab File: VV027110.D
Acq: 30 Jul 2022 02:19

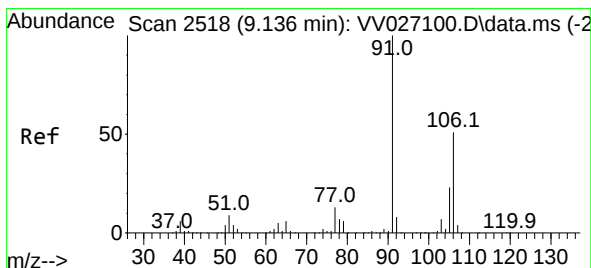
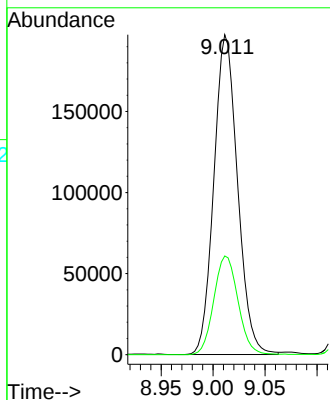
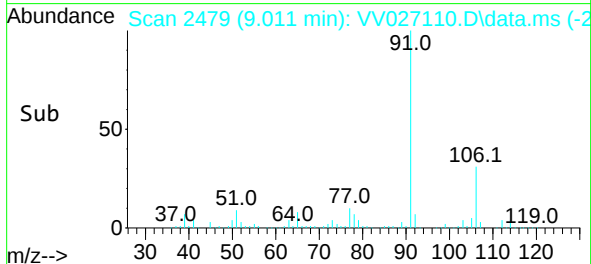
Instrument :
MSVOA_V
ClientSampleId :
EXF06



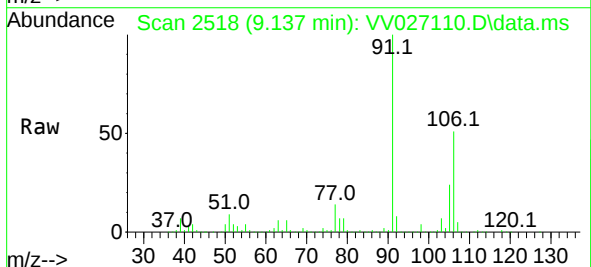
Tgt Ion: 91 Resp: 312759
Ion Ratio Lower Upper
91 100
106 30.9 21.8 40.6

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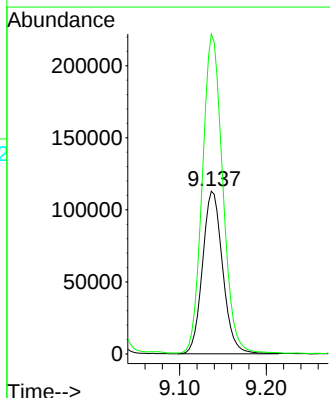
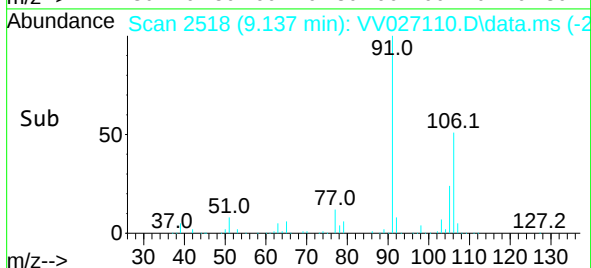
Reviewed By :Krupa Patel 08/01/2022
Supervised By :Mahesh Dadoda 08/02/2022

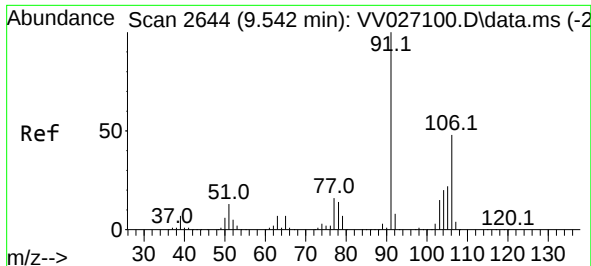


#53
m,p-Xylene
Concen: 20.760 ug/L
RT: 9.137 min Scan# 2518
Delta R.T. 0.000 min
Lab File: VV027110.D
Acq: 30 Jul 2022 02:19



Tgt Ion:106 Resp: 182146
Ion Ratio Lower Upper
106 100
91 196.6 137.5 255.3





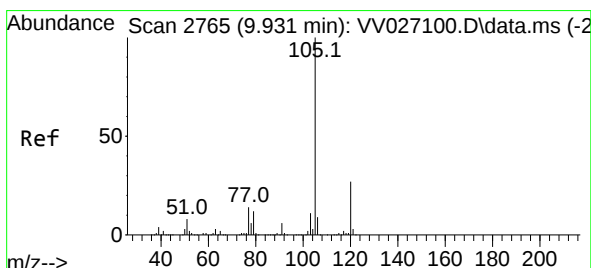
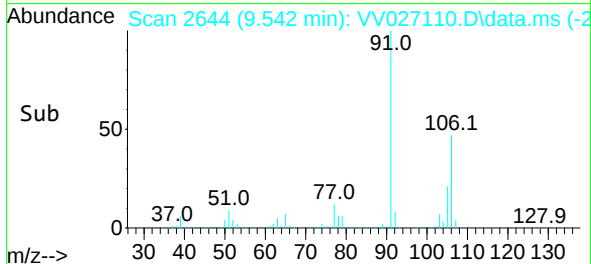
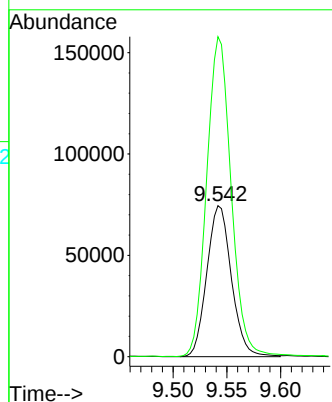
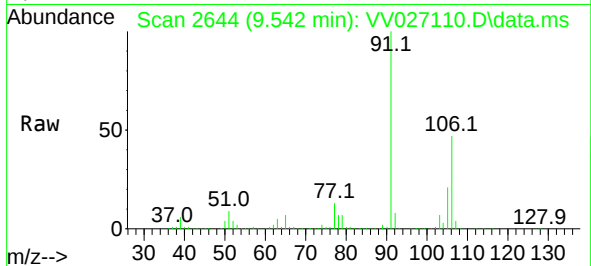
#54
o-Xylene
Concen: 14.018 ug/L
RT: 9.542 min Scan# 2644
Delta R.T. 0.000 min
Lab File: VV027110.D
Acq: 30 Jul 2022 02:19

Instrument :
MSVOA_V
ClientSampleId :
EXF06

Tgt Ion:106 Resp: 11844
Ion Ratio Lower Upper
106 100
91 211.9 146.6 272.2

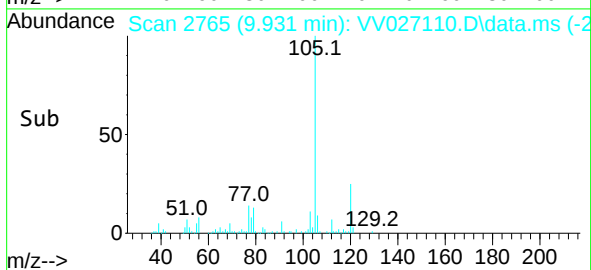
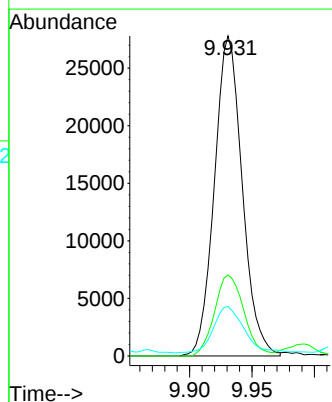
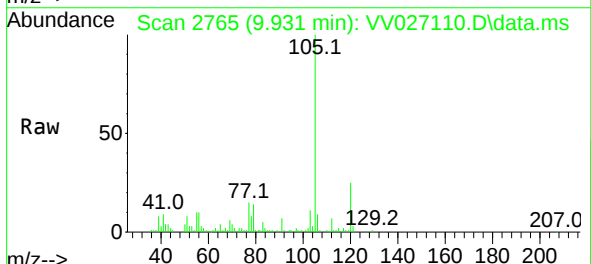
Manual Integrations
APPROVED

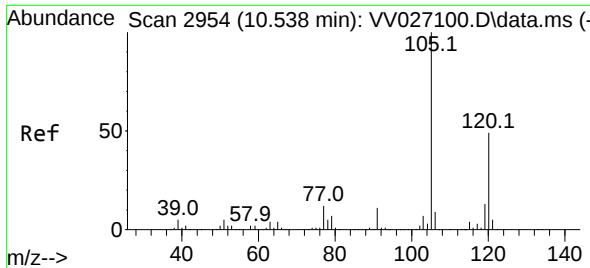
Reviewed By :Krupa Patel 08/01/2022
Supervised By :Mahesh Dadoda 08/02/2022



#60
Isopropylbenzene
Concen: 1.942 ug/L
RT: 9.931 min Scan# 2765
Delta R.T. 0.000 min
Lab File: VV027110.D
Acq: 30 Jul 2022 02:19

Tgt Ion:105 Resp: 43190
Ion Ratio Lower Upper
105 100
120 26.7 21.4 32.0
77 15.2 11.8 17.6





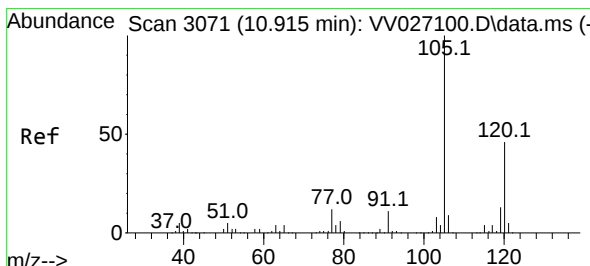
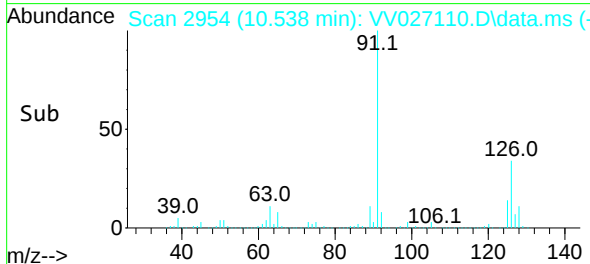
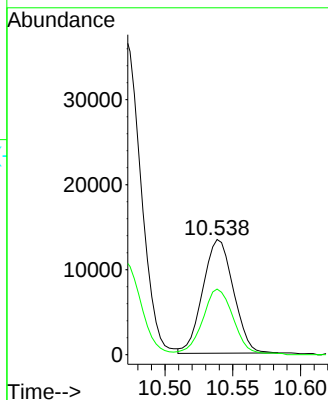
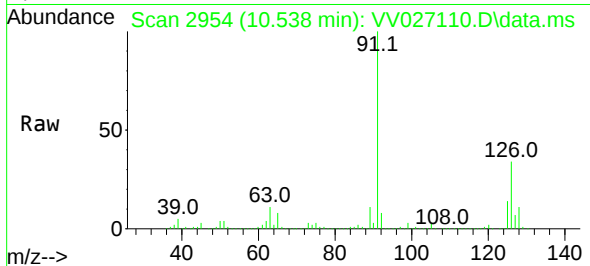
#62
1,3,5-Trimethylbenzene
Concen: 2.208 ug/L
RT: 10.538 min Scan# 2954
Delta R.T. 0.000 min
Lab File: VV027110.D
Acq: 30 Jul 2022 02:19

Instrument :
MSVOA_V
ClientSampleId :
EXF06

Tgt Ion:105 Resp: 21019
Ion Ratio Lower Upper
105 100
120 55.0 39.3 58.9

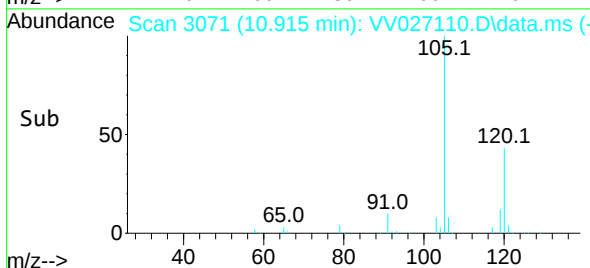
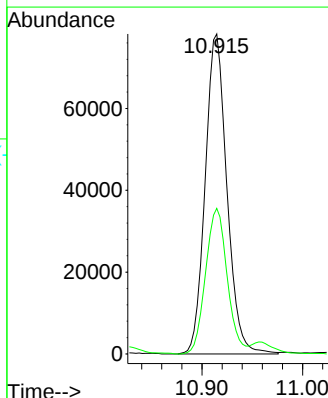
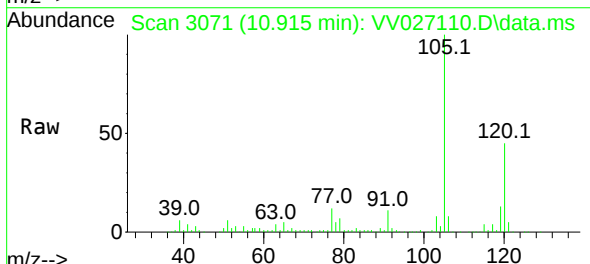
Manual Integrations
APPROVED

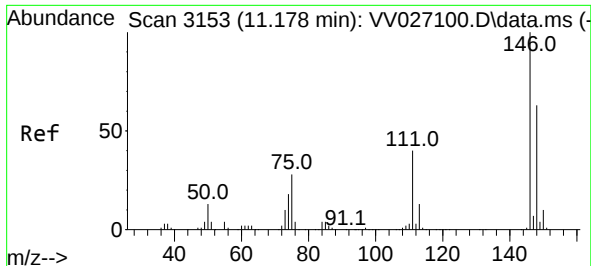
Reviewed By :Krupa Patel 08/01/2022
Supervised By :Mahesh Dadoda 08/02/2022



#63
1,2,4-Trimethylbenzene
Concen: 15.431 ug/L
RT: 10.915 min Scan# 3071
Delta R.T. 0.000 min
Lab File: VV027110.D
Acq: 30 Jul 2022 02:19

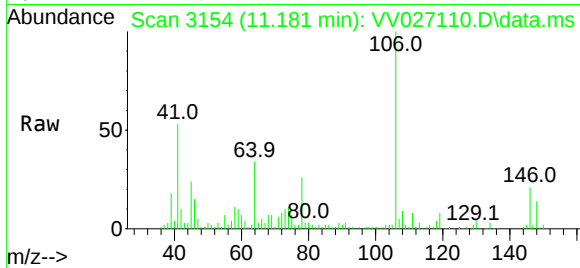
Tgt Ion:105 Resp: 117240
Ion Ratio Lower Upper
105 100
120 45.2 37.0 55.6





#64
1,3-Dichlorobenzene
Concen: 1.562 ug/L
RT: 11.181 min Scan# 3154
Delta R.T. 0.003 min
Lab File: VV027110.D
Acq: 30 Jul 2022 02:19

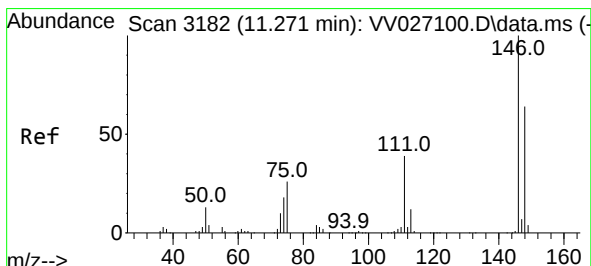
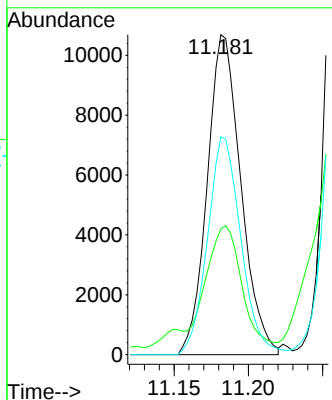
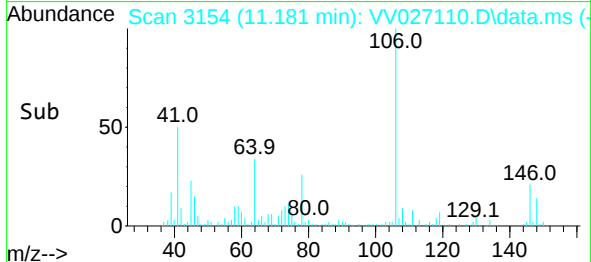
Instrument :
MSVOA_V
ClientSampleId :
EXF06



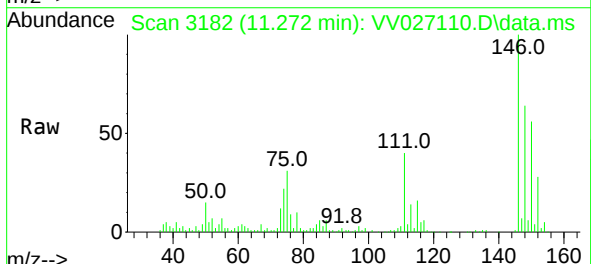
Tgt Ion:146 Resp: 16872
Ion Ratio Lower Upper
146 100
111 39.3 28.4 52.8
148 68.1 44.7 82.9

Manual Integrations
APPROVED

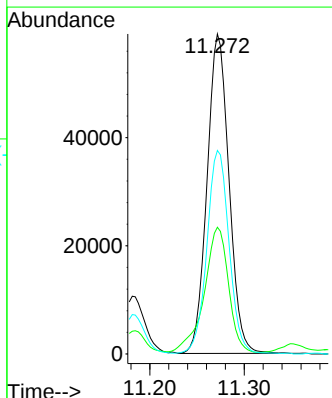
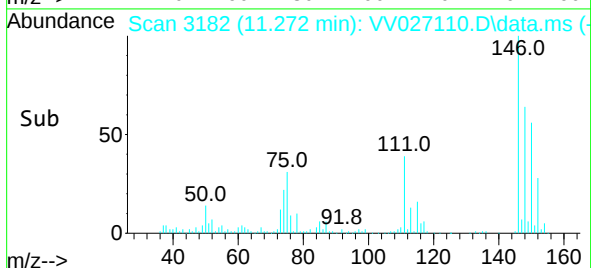
Reviewed By :Krupa Patel 08/01/2022
Supervised By :Mahesh Dadoda 08/02/2022

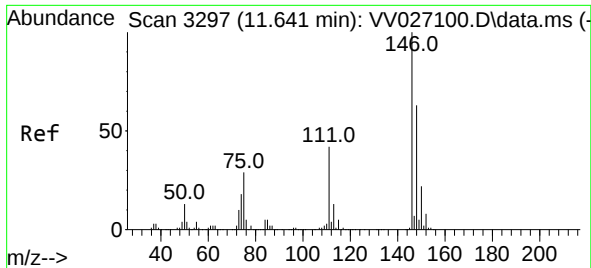


#65
1,4-Dichlorobenzene
Concen: 8.369 ug/L
RT: 11.272 min Scan# 3182
Delta R.T. 0.000 min
Lab File: VV027110.D
Acq: 30 Jul 2022 02:19



Tgt Ion:146 Resp: 95229
Ion Ratio Lower Upper
146 100
111 39.6 27.4 51.0
148 63.6 44.6 82.8





#67

1,2-Dichlorobenzene

Concen: 12.972 ug/L

RT: 11.641 min Scan# 301

Delta R.T. 0.000 min

Lab File: VV027110.D

Acq: 30 Jul 2022 02:19

Instrument :

MSVOA_V

ClientSampleId :

EXF06

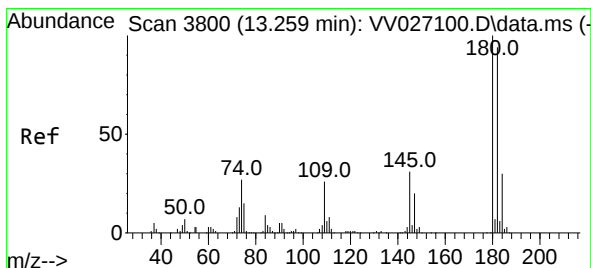
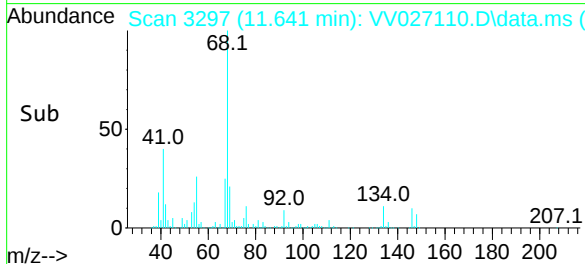
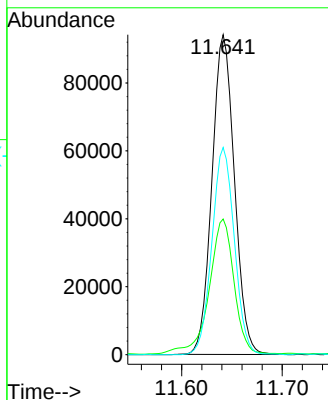
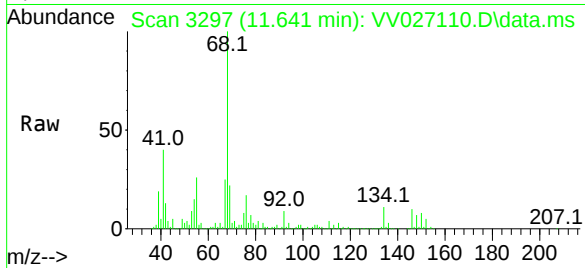
Tgt Ion:	146	Resp:	14628
Ion Ratio	Lower	Upper	
146	100		
111	42.4	34.0	51.0
148	64.7	50.5	75.7

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 08/01/2022

Supervised By :Mahesh Dadoda 08/02/2022



#70

1,2,4-trichlorobenzene

Concen: 2.064 ug/L

RT: 13.262 min Scan# 3801

Delta R.T. 0.003 min

Lab File: VV027110.D

Acq: 30 Jul 2022 02:19

Tgt Ion:	180	Resp:	12939
Ion Ratio	Lower	Upper	
180	100		
182	94.3	75.9	113.9
145	35.8	24.7	37.1

