

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW010522\
 Data File : VW024282.D
 Acq On : 05 Jan 2022 16:56
 Operator : SY/MD
 Sample : N1025-10
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BGLH4

Manual Integrations
 APPROVED

Reviewed By : John Carlone 01/06/2022
 Supervised By : Mahesh Dadoda 01/06/2022

Quant Time: Jan 06 01:01:22 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM123121WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jan 06 00:59:13 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.612	114	259159	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.850	117	237469	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.246	152	136899	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	82767	44.376	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	88.760%		
7) Chloroethane-d5	1.568	69	65152	45.983	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	91.960%		
11) 1,1-Dichloroethene-d2	2.108	63	120621	34.603	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	69.200%		
21) 2-Butanone-d5	3.876	46	101547	97.721	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	97.720%		
24) Chloroform-d	4.342	84	151091	44.324	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	88.640%		
26) 1,2-Dichloroethane-d4	5.027	65	104180	45.647	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	91.300%		
32) Benzene-d6	5.047	84	294112	47.461	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	94.920%		
36) 1,2-Dichloropropane-d6	6.066	67	81893	47.154	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	94.300%		
41) Toluene-d8	7.313	98	282726	47.121	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	94.240%		
43) trans-1,3-Dichloroprop...	7.619	79	45728	45.726	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	91.460%		
47) 2-Hexanone-d5	8.082	63	78877	104.538	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	104.540%		
56) 1,1,2,2-Tetrachloroeth...	10.214	84	115924	46.708	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	93.420%		
66) 1,2-Dichlorobenzene-d4	11.622	152	131123	48.053	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	96.100%		
Target Compounds						Qvalue
5) Vinyl chloride	1.314	62	65461	35.220	ug/L	98
12) 1,1-Dichloroethene	2.114	96	2240	1.419	ug/L #	1
13) Acetone	2.172	43	152683	148.817	ug/L	99
17) trans-1,2-Dichloroethene	2.764	96	5875	3.612	ug/L	92
19) 1,1-Dichloroethane	3.188	63	56897	21.088	ug/L	96
20) cis-1,2-Dichloroethene	3.905	96	547727	315.280	ug/L	99
22) 2-Butanone	3.963	43	76185	69.904	ug/L	94
27) 1,2-Dichloroethane	5.127	62	24100	9.393	ug/L	96
29) Cyclohexane	4.677	56	2235	1.053	ug/L #	95
33) Benzene	5.095	78	856521	141.850	ug/L	100
35) Methylcyclohexane	6.124	83	2239m	0.907	ug/L	
40) 4-Methyl-2-pentanone	7.230	43	12266	6.623	ug/L	97
42) Toluene	7.384	91	2680104	395.409	ug/L	99
51) Chlorobenzene	8.879	112	65720	14.395	ug/L	99
52) Ethylbenzene	9.008	91	1630923	225.231	ug/L	100
53) m,p-Xylene	9.136	106	957296	329.818	ug/L	97
54) o-Xylene	9.542	106	566054	204.301	ug/L	98
60) Isopropylbenzene	9.931	105	216654	28.600	ug/L	99
62) 1,3,5-Trimethylbenzene	10.535	105	132135	20.278	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
63) 1,2,4-Trimethylbenzene	10.911	105	1135087	174.483	ug/L	100
64) 1,3-Dichlorobenzene	11.181	146	3874	0.992	ug/L	94
65) 1,4-Dichlorobenzene	11.271	146	9720	2.413	ug/L	99
67) 1,2-Dichlorobenzene	11.641	146	93278	23.172	ug/L	98
70) 1,2,4-trichlorobenzene	13.262	180	12263	4.773	ug/L	96
72) 1,2,3-Trichlorobenzene	13.744	180	3249	1.223	ug/L #	92

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

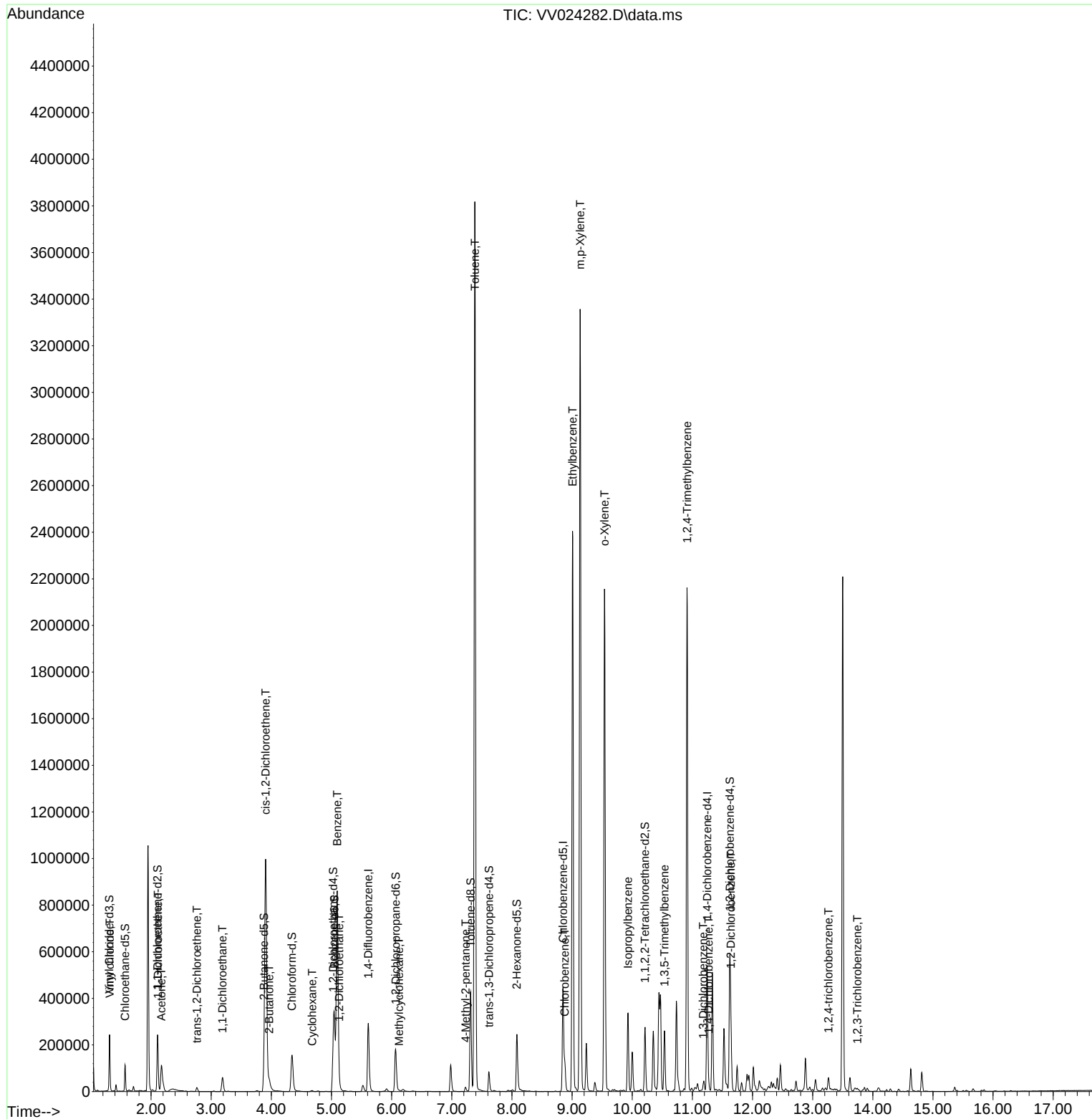
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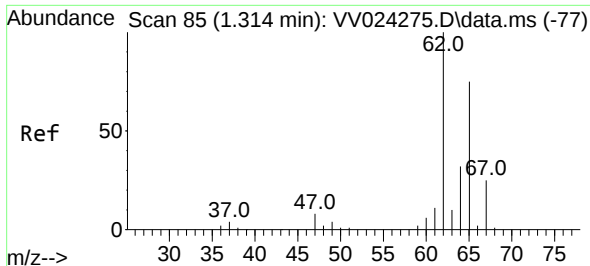
Instrument :
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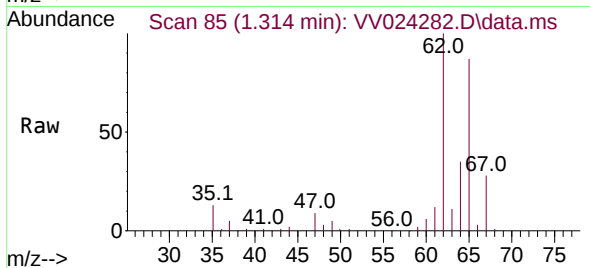
#5
 Vinyl chloride
 Concen: 35.220 ug/L
 RT: 1.314 min Scan# 85
 Delta R.T. -0.000 min
 Lab File: VV024282.D
 Acq: 05 Jan 2022 16:56

Instrument :

MSVOA_V

ClientSampleId :

BGLH4



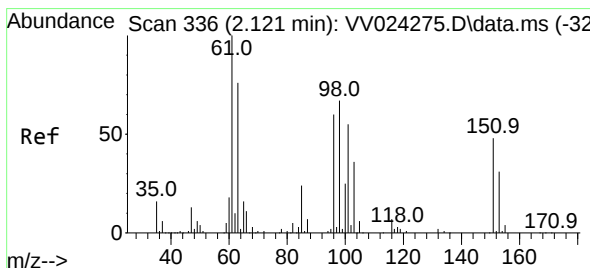
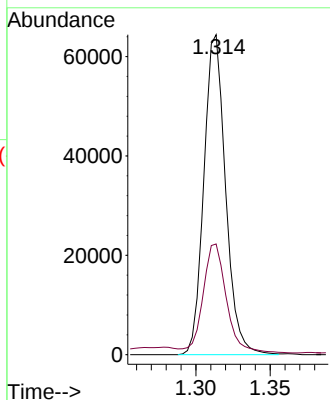
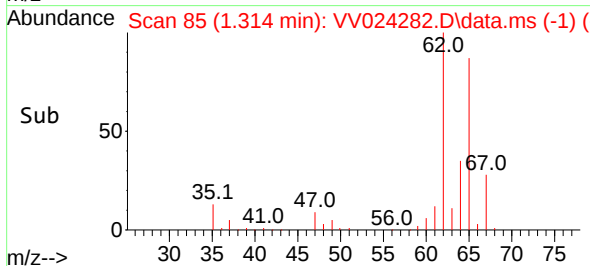
Tgt Ion: 62 Resp: 6546
 Ion Ratio Lower Upper
 62 100
 64 34.6 25.0 46.4

Manual Integrations

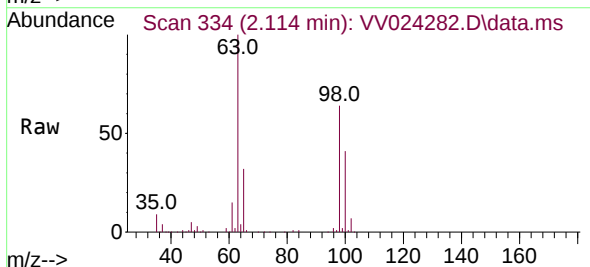
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Reviewed By :John Carlone 01/06/2022

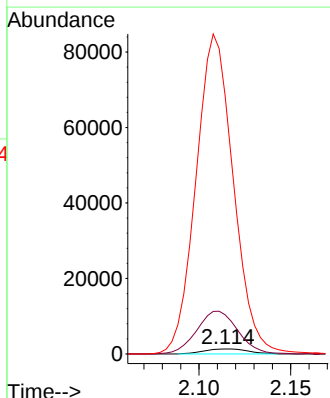
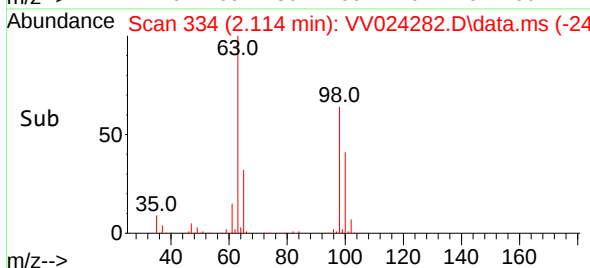
Supervised By :Mahesh Dadoda 01/06/2022

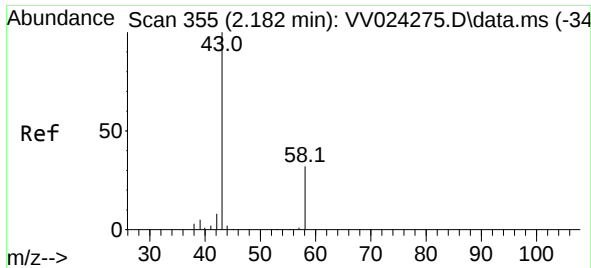


#12
 1,1-Dichloroethene
 Concen: 1.419 ug/L
 RT: 2.114 min Scan# 334
 Delta R.T. -0.006 min
 Lab File: VV024282.D
 Acq: 05 Jan 2022 16:56



Tgt Ion: 96 Resp: 2240
 Ion Ratio Lower Upper
 96 100
 61 790.7 111.9 207.9#
 63 5218.3 82.7 153.5#





#13

Acetone

Concen: 148.817 ug/L

RT: 2.172 min Scan# 352

Delta R.T. -0.010 min

Lab File: VV024282.D

Acq: 05 Jan 2022 16:56

Instrument :

MSVOA_V

ClientSampleId :

BGLH4

Tgt Ion: 43 Resp: 15268

Ion Ratio Lower Upper

43 100

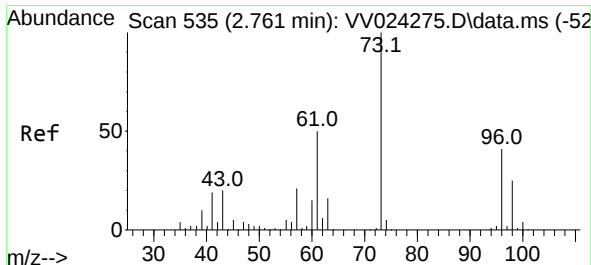
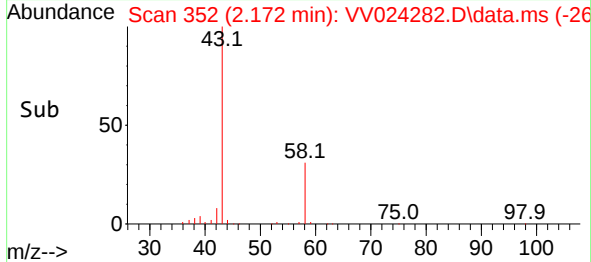
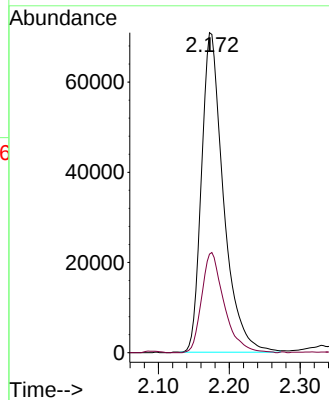
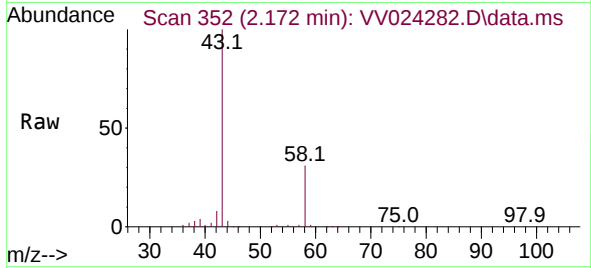
58 32.1 0.0 63.0

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#17

trans-1,2-Dichloroethene

Concen: 3.612 ug/L

RT: 2.764 min Scan# 536

Delta R.T. 0.003 min

Lab File: VV024282.D

Acq: 05 Jan 2022 16:56

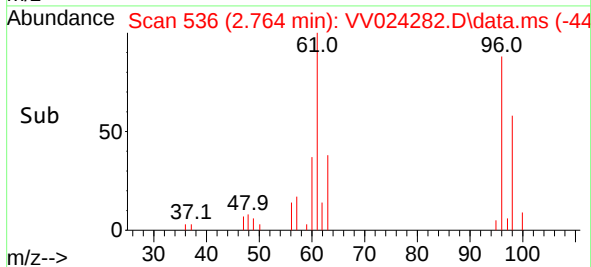
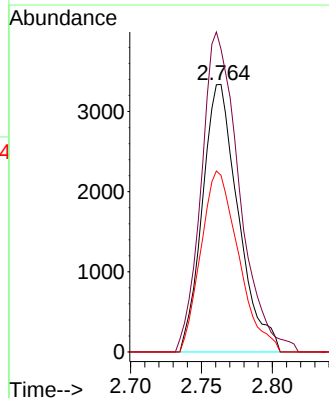
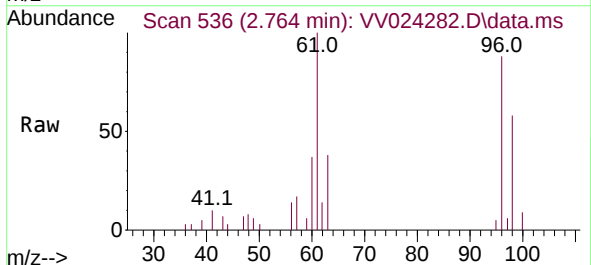
Tgt Ion: 96 Resp: 5875

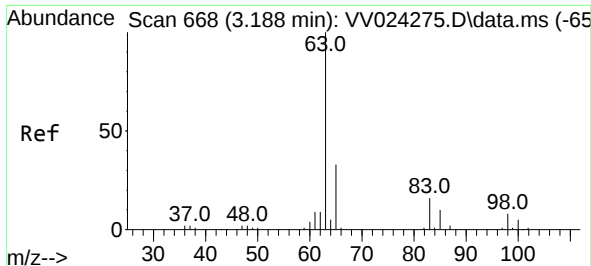
Ion Ratio Lower Upper

96 100

61 113.2 88.1 163.7

98 66.1 45.0 83.6





#19

1,1-Dichloroethane

Concen: 21.088 ug/L

RT: 3.188 min Scan# 668

Delta R.T. -0.000 min

Lab File: VV024282.D

Acq: 05 Jan 2022 16:56

Instrument :

MSVOA_V

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BGLH4

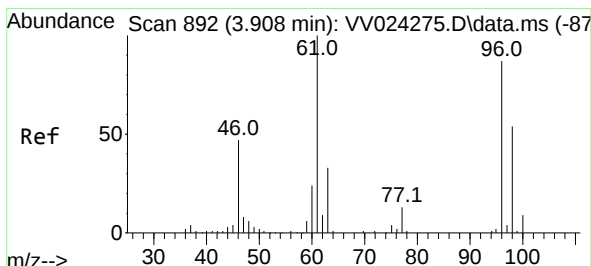
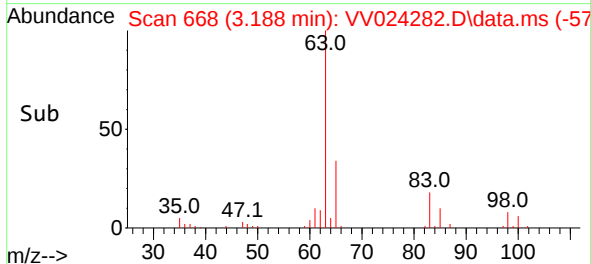
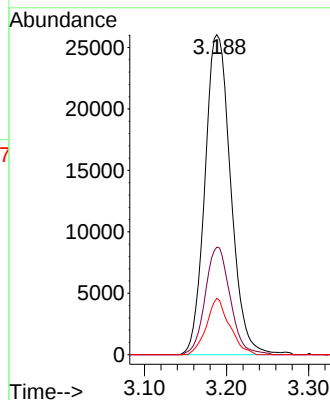
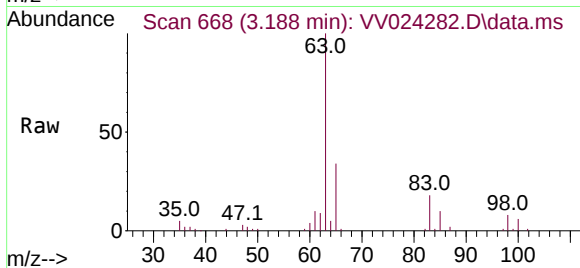
Tgt Ion: 63	Resp: 5689
Ion Ratio	Lower Upper
63 100	
65 33.6	22.4 41.6
83 17.6	10.6 19.6

Manual Integrations

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#20

cis-1,2-Dichloroethene

Concen: 315.280 ug/L

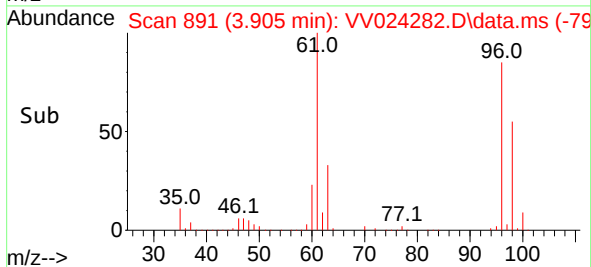
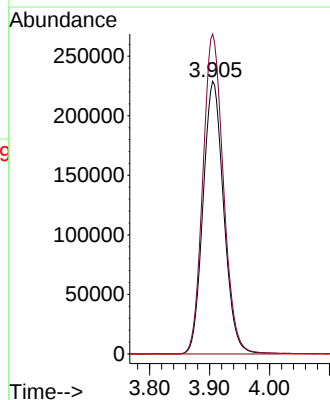
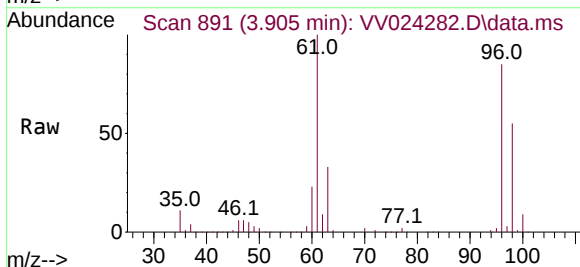
RT: 3.905 min Scan# 891

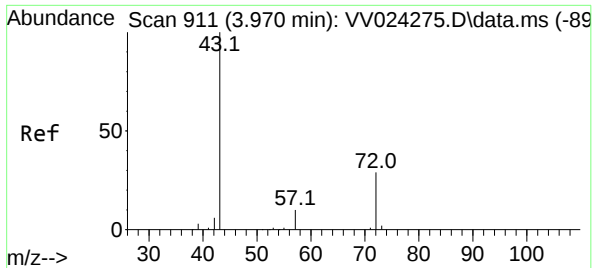
Delta R.T. -0.003 min

Lab File: VV024282.D

Acq: 05 Jan 2022 16:56

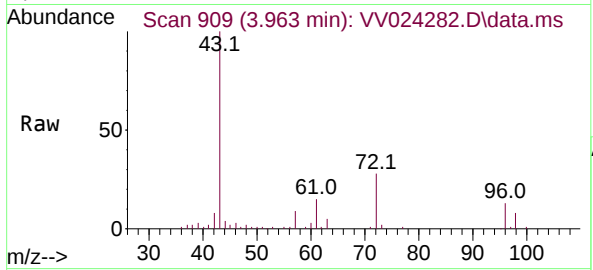
Tgt Ion: 96	Resp: 547727
Ion Ratio	Lower Upper
96 100	
61 117.4	82.9 153.9
68 0.0	0.0 0.0





#22
2-Butanone
Concen: 69.904 ug/L
RT: 3.963 min Scan# 909
Delta R.T. -0.006 min
Lab File: VV024282.D
Acq: 05 Jan 2022 16:56

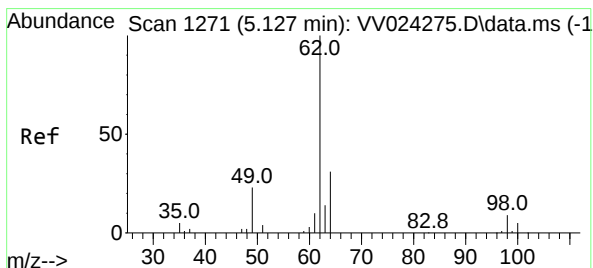
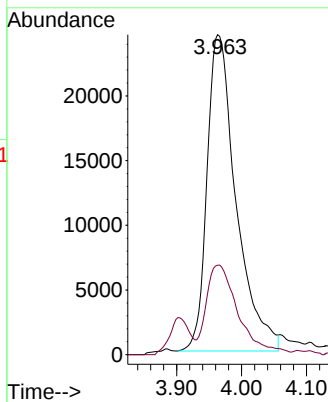
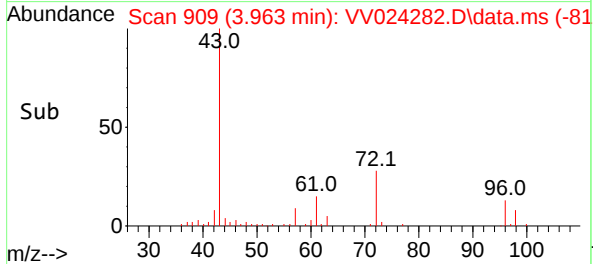
Instrument :
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BGLH4



Tgt Ion: 43 Resp: 7618
Ion Ratio Lower Upper
43 100
72 26.4 14.9 44.9

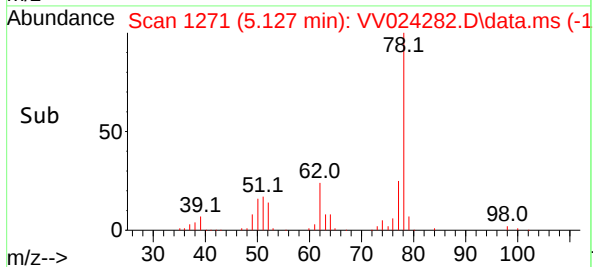
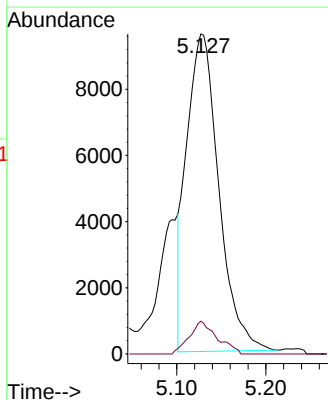
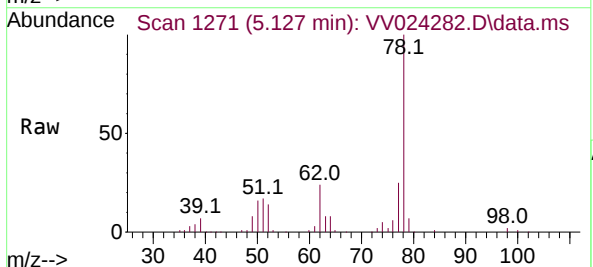
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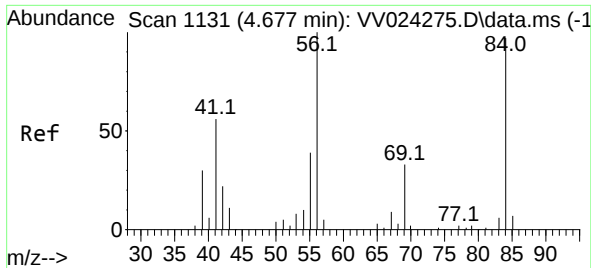
Reviewed By :John Carlone 01/06/2022
Supervised By :Mahesh Dadoda 01/06/2022



#27
1,2-Dichloroethane
Concen: 9.393 ug/L
RT: 5.127 min Scan# 1271
Delta R.T. -0.000 min
Lab File: VV024282.D
Acq: 05 Jan 2022 16:56

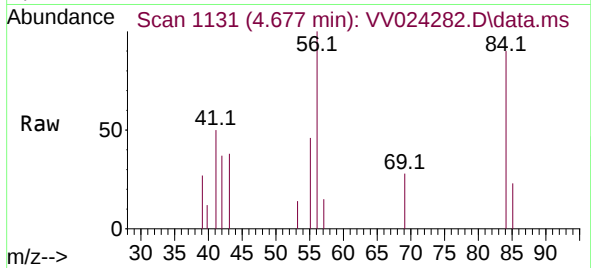
Tgt Ion: 62 Resp: 24100
Ion Ratio Lower Upper
62 100
98 10.3 7.1 10.7





#29
Cyclohexane
Concen: 1.053 ug/L
RT: 4.677 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VV024282.D
Acq: 05 Jan 2022 16:56

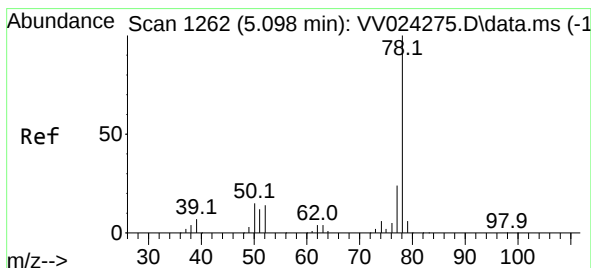
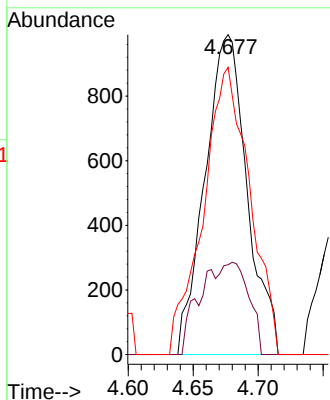
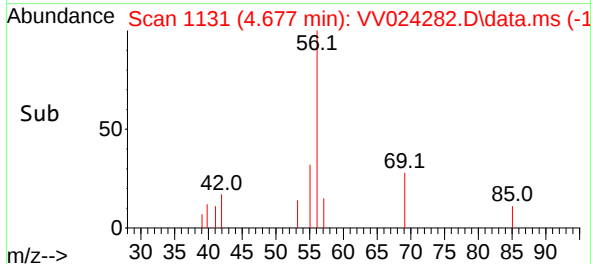
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Tgt Ion: 56 Resp: 223
Ion Ratio Lower Upper
56 100
69 19.8 25.8 38.6
84 98.9 79.1 118.7

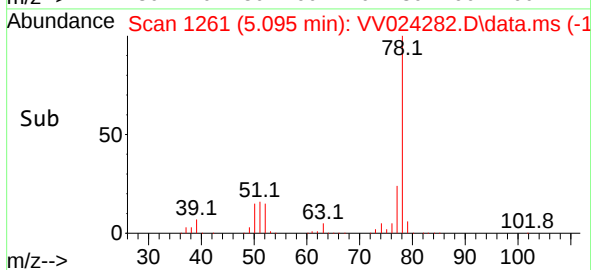
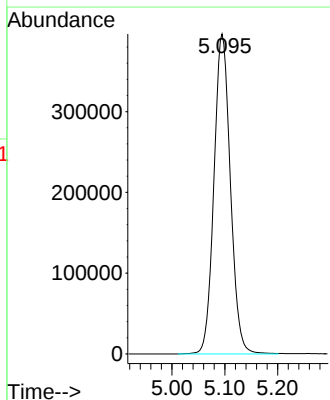
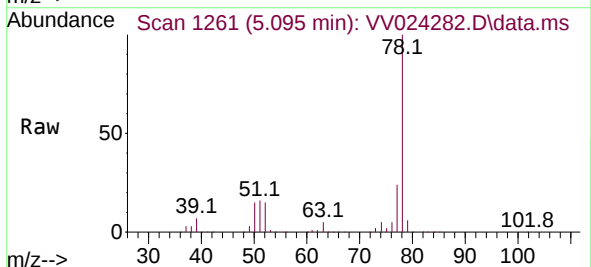
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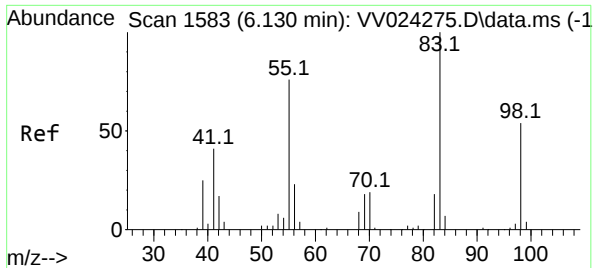
Reviewed By :John Carlone 01/06/2022
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#33
Benzene
Concen: 141.850 ug/L
RT: 5.095 min Scan# 1261
Delta R.T. -0.003 min
Lab File: VV024282.D
Acq: 05 Jan 2022 16:56

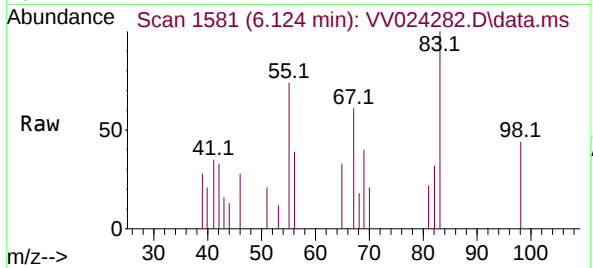
Tgt Ion: 78 Resp: 856521





#35
Methylcyclohexane
Concen: 0.907 ug/L m
RT: 6.124 min Scan# 11
Delta R.T. -0.006 min
Lab File: VV024282.D
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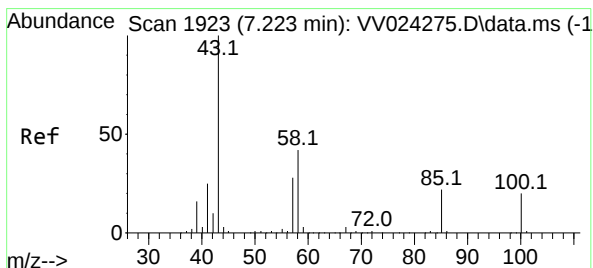
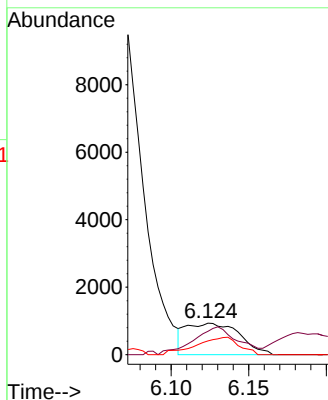
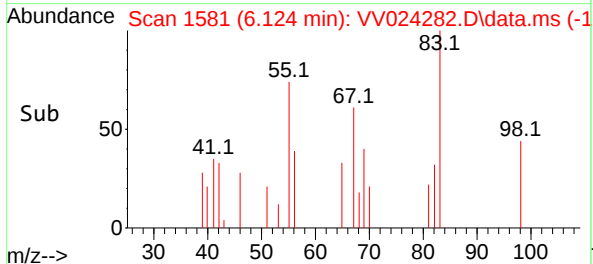
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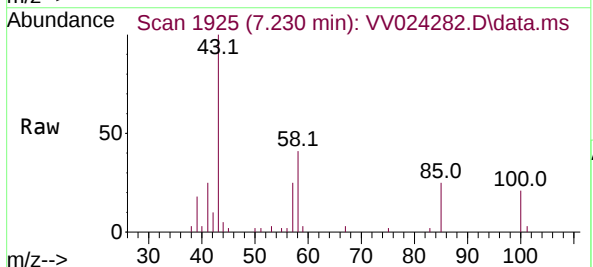
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Ion Ratio Lower Upper
83 100
55 1.8 55.6 83.4
98 5.1 41.3 61.9

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APPROVED

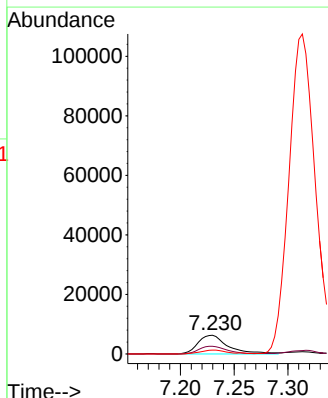
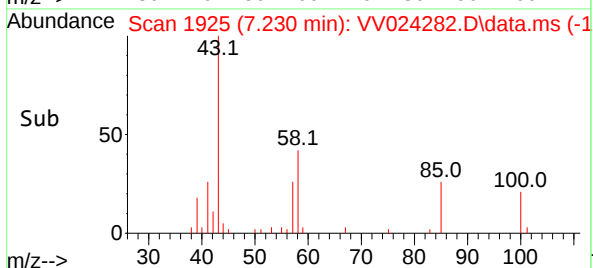
Reviewed By :John Carlone 01/06/2022
Supervised By :Mahesh Dadoda 01/06/2022

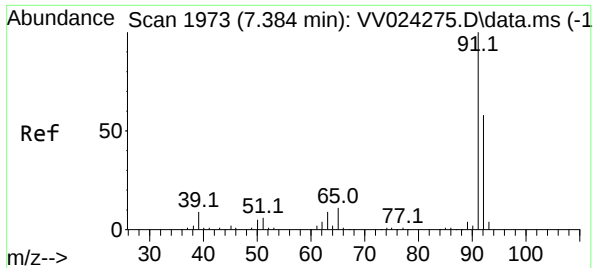


#40
4-Methyl-2-pentanone
Concen: 6.623 ug/L
RT: 7.230 min Scan# 1925
Delta R.T. 0.006 min
Lab File: VV024282.D
Acq: 05 Jan 2022 16:56



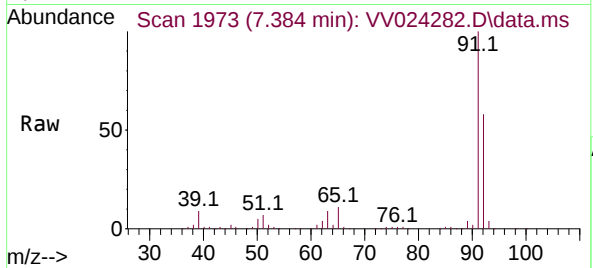
Tgt Ion: 43 Resp: 12266
Ion Ratio Lower Upper
43 100
58 39.9 33.0 49.4
100 17.1 16.0 24.0





#42
Toluene
Concen: 395.409 ug/L
RT: 7.384 min Scan# 1973
Delta R.T. -0.000 min
Lab File: VV024282.D
Acq: 05 Jan 2022 16:56

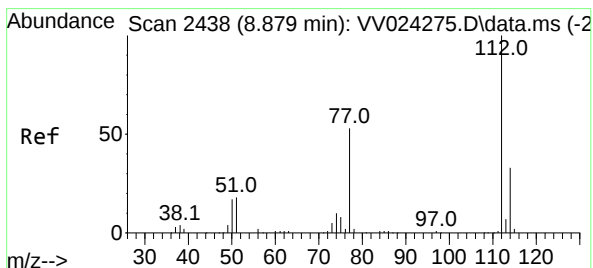
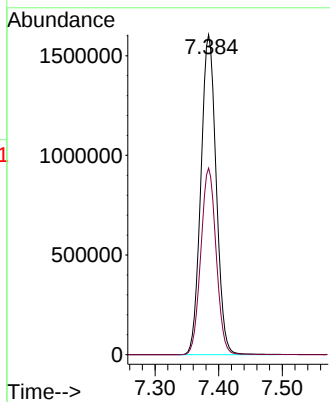
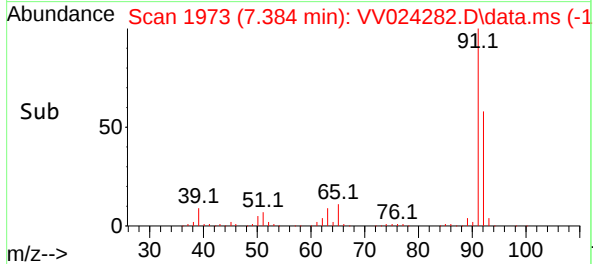
Instrument :
MSVOA_V
ClientSampleId :
BGLH4



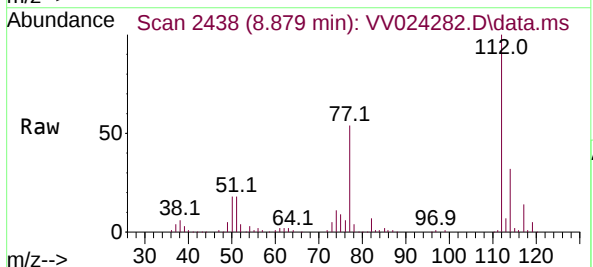
Tgt Ion: 91 Resp: 2680104
Ion Ratio Lower Upper
91 100
92 58.3 40.4 75.0

Manual Integrations
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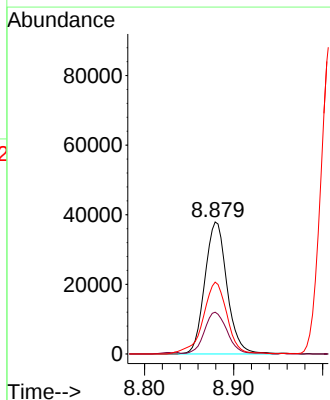
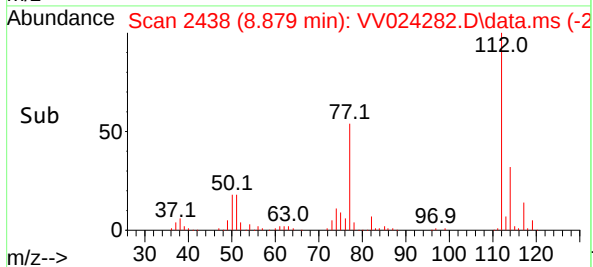
Reviewed By :John Carlone 01/06/2022
Supervised By :Mahesh Dadoda 01/06/2022

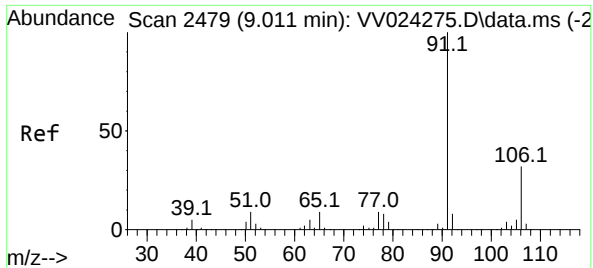


#51
Chlorobenzene
Concen: 14.395 ug/L
RT: 8.879 min Scan# 2438
Delta R.T. -0.000 min
Lab File: VV024282.D
Acq: 05 Jan 2022 16:56



Tgt Ion:112 Resp: 65720
Ion Ratio Lower Upper
112 100
114 31.6 22.3 41.5
77 54.3 42.8 64.2





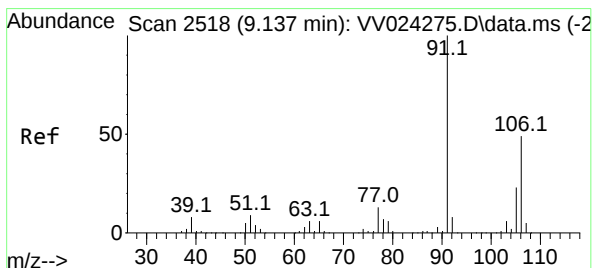
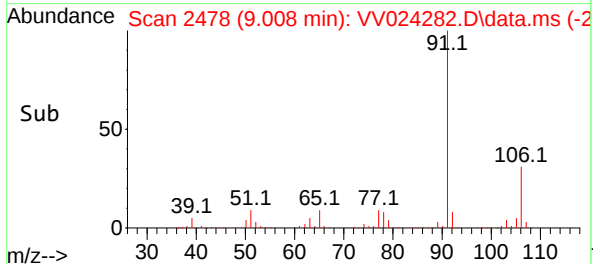
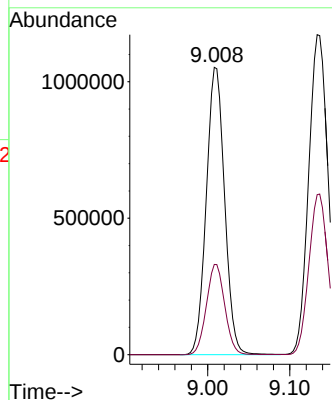
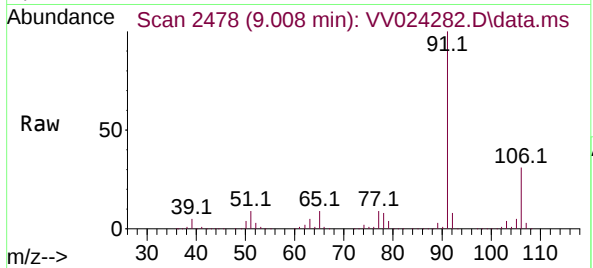
#52
Ethylbenzene
Concen: 225.231 ug/L
RT: 9.008 min Scan# 2479
Delta R.T. -0.003 min
Lab File: VV024282.D
Acq: 05 Jan 2022 16:56

Instrument :
MSVOA_V
ClientSampleId :
BGLH4

Tgt Ion: 91 Resp: 163092
Ion Ratio Lower Upper
91 100
106 31.4 22.0 41.0

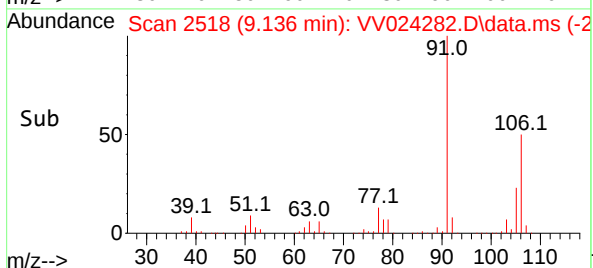
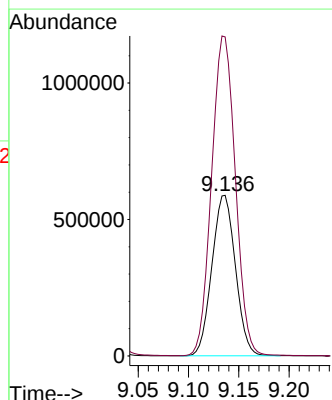
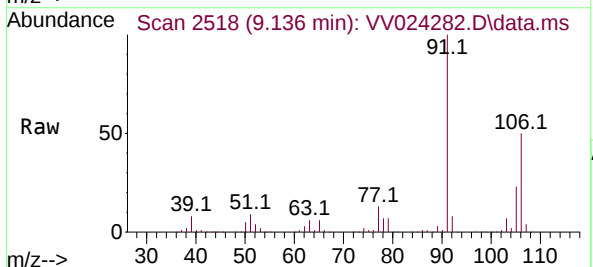
Manual Integrations
APPROVED

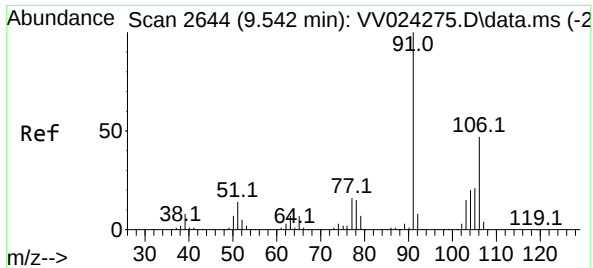
Reviewed By :John Carlone 01/06/2022
Supervised By :Mahesh Dadoda 01/06/2022



#53
m,p-Xylene
Concen: 329.818 ug/L
RT: 9.136 min Scan# 2518
Delta R.T. -0.000 min
Lab File: VV024282.D
Acq: 05 Jan 2022 16:56

Tgt Ion:106 Resp: 957296
Ion Ratio Lower Upper
106 100
91 198.7 141.8 263.4





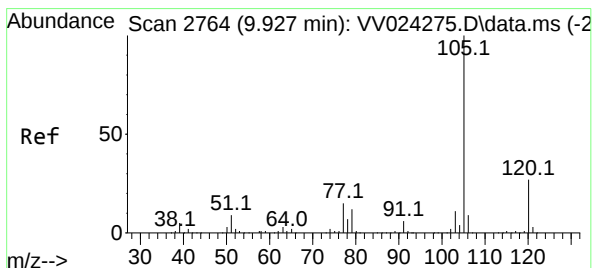
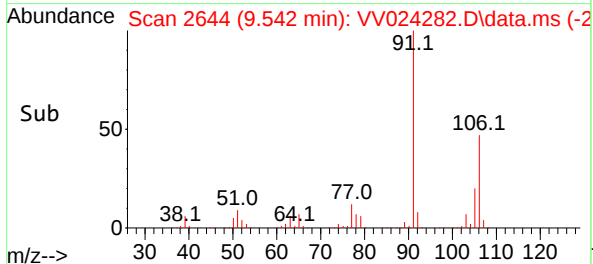
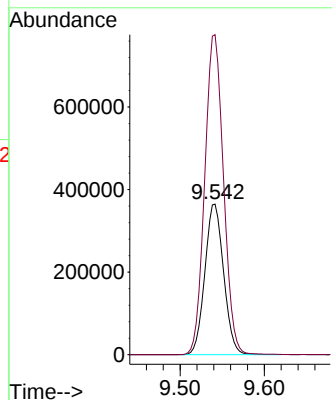
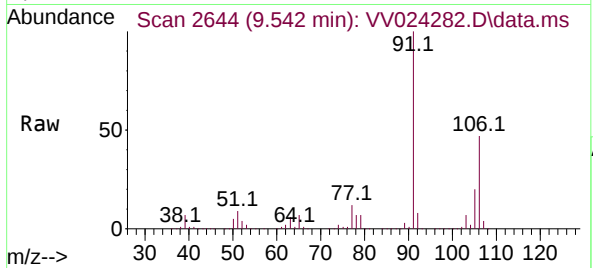
#54
o-Xylene
Concen: 204.301 ug/L
RT: 9.542 min Scan# 20
Delta R.T. -0.000 min
Lab File: VV024282.D
Acq: 05 Jan 2022 16:56

Instrument :
MSVOA_V
ClientSampleId :
BGLH4

Tgt Ion:106 Resp: 566054
Ion Ratio Lower Upper
106 100
91 212.5 150.9 280.3

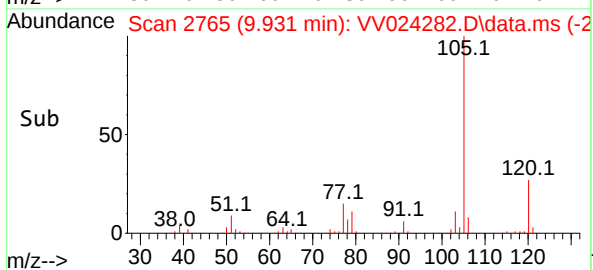
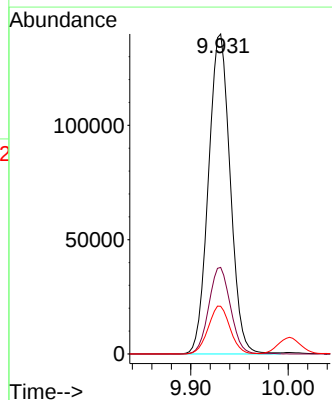
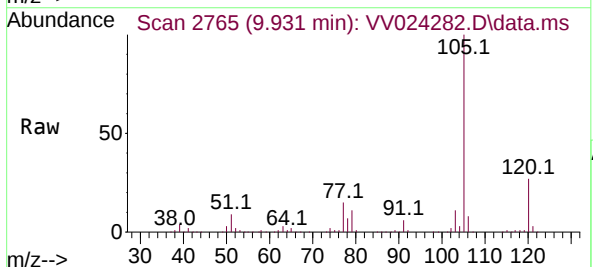
Manual Integrations
APPROVED

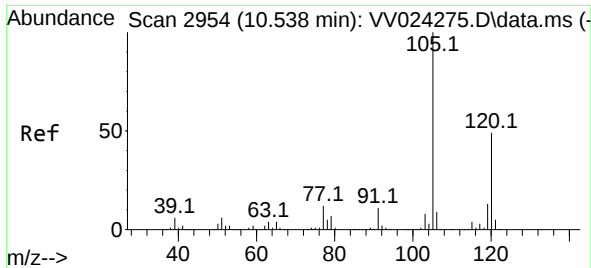
Reviewed By :John Carlone 01/06/2022
Supervised By :Mahesh Dadoda 01/06/2022



#60
Isopropylbenzene
Concen: 28.600 ug/L
RT: 9.931 min Scan# 2765
Delta R.T. 0.003 min
Lab File: VV024282.D
Acq: 05 Jan 2022 16:56

Tgt Ion:105 Resp: 216654
Ion Ratio Lower Upper
105 100
120 27.0 21.9 32.9
77 15.0 11.9 17.9





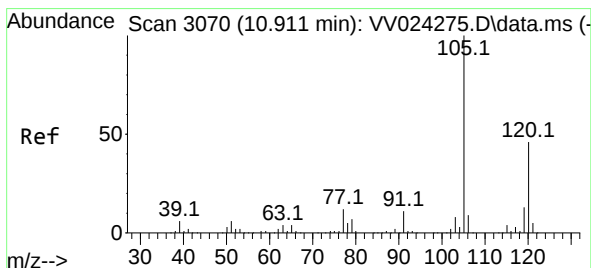
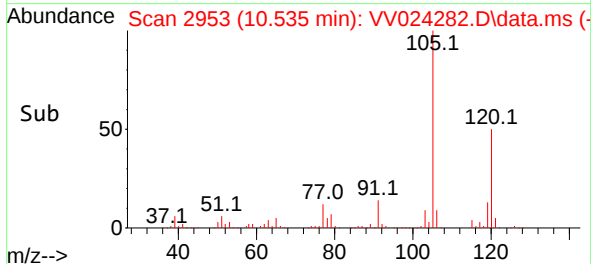
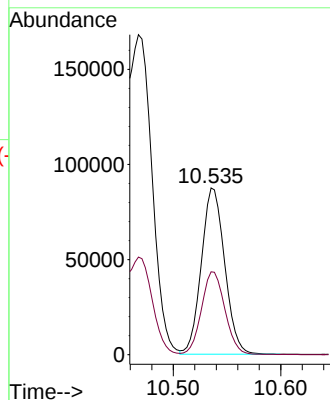
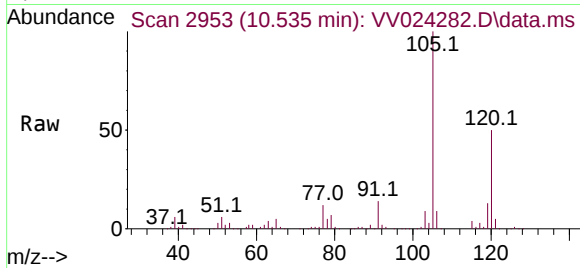
#62
1,3,5-Trimethylbenzene
Concen: 20.278 ug/L
RT: 10.535 min Scan# 2953
Delta R.T. -0.003 min
Lab File: VV024282.D
Acq: 05 Jan 2022 16:56

Instrument :
MSVOA_V
ClientSampleId :
BGLH4

Tgt Ion:105 Resp: 132135
Ion Ratio Lower Upper
105 100
120 49.6 39.4 59.2

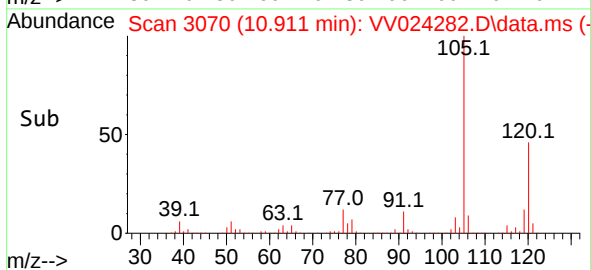
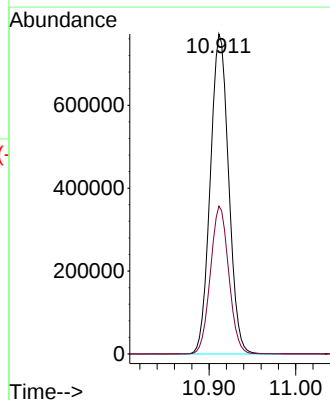
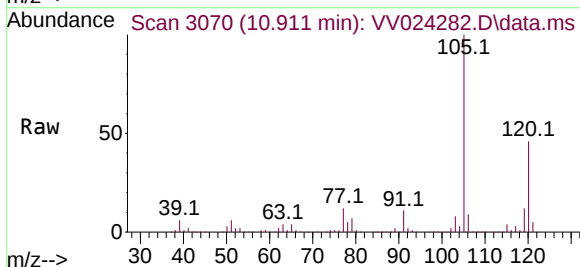
Manual Integrations
APPROVED

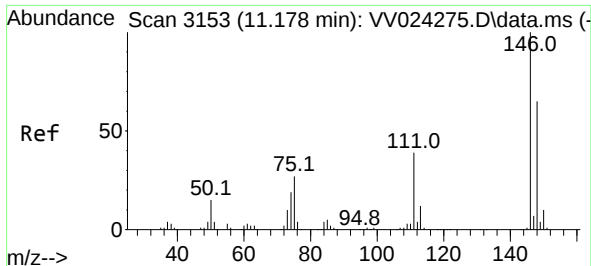
Reviewed By :John Carlone 01/06/2022
Supervised By :Mahesh Dadoda 01/06/2022



#63
1,2,4-Trimethylbenzene
Concen: 174.483 ug/L
RT: 10.911 min Scan# 3070
Delta R.T. -0.000 min
Lab File: VV024282.D
Acq: 05 Jan 2022 16:56

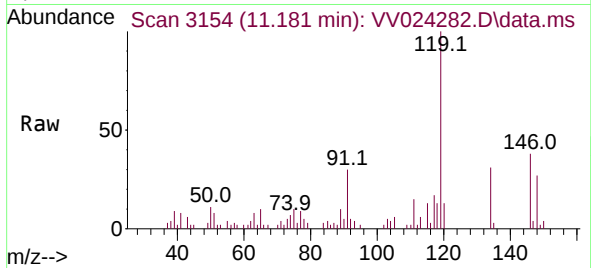
Tgt Ion:105 Resp: 1135087
Ion Ratio Lower Upper
105 100
120 46.1 36.6 55.0





#64
1,3-Dichlorobenzene
Concen: 0.992 ug/L
RT: 11.181 min Scan# 3153
Delta R.T. 0.003 min
Lab File: VV024282.D
Acq: 05 Jan 2022 16:56

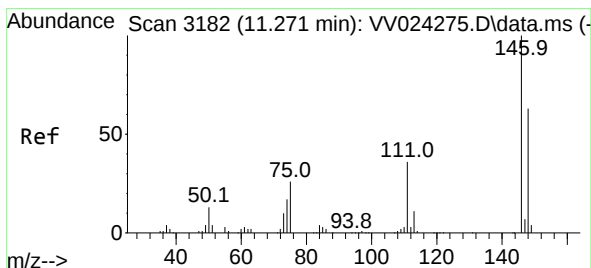
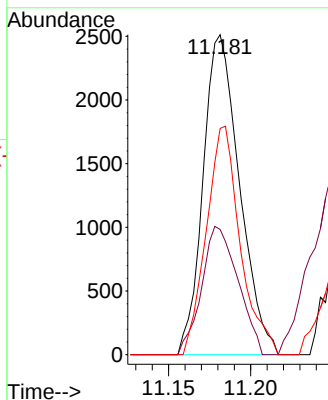
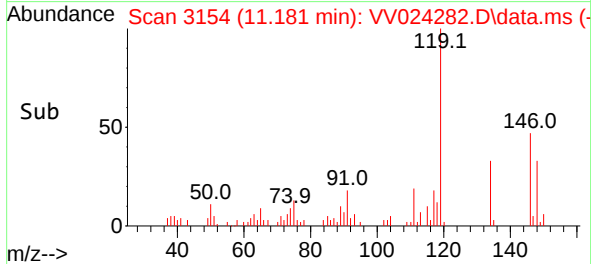
Instrument :
MSVOA_V
ClientSampleId :
BGLH4



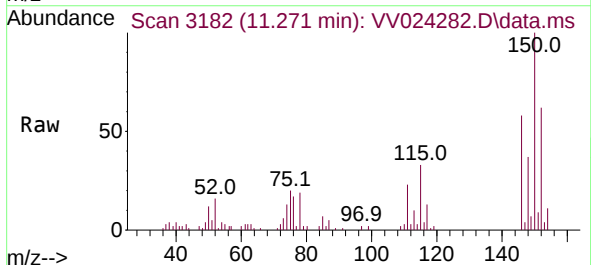
Tgt Ion:146 Resp: 3874
Ion Ratio Lower Upper
146 100
111 39.2 26.5 49.3
148 70.7 44.7 82.9

Manual Integrations
APPROVED

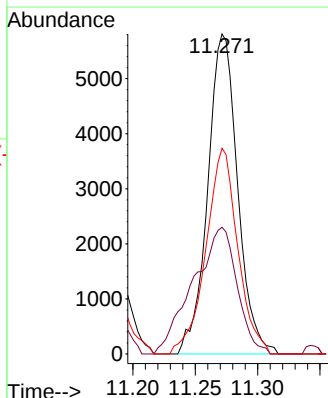
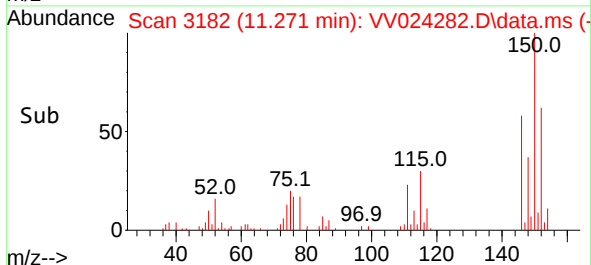
Reviewed By :John Carlone 01/06/2022
Supervised By :Mahesh Dadoda 01/06/2022

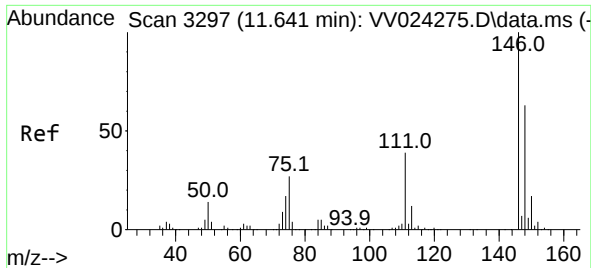


#65
1,4-Dichlorobenzene
Concen: 2.413 ug/L
RT: 11.271 min Scan# 3182
Delta R.T. -0.000 min
Lab File: VV024282.D
Acq: 05 Jan 2022 16:56



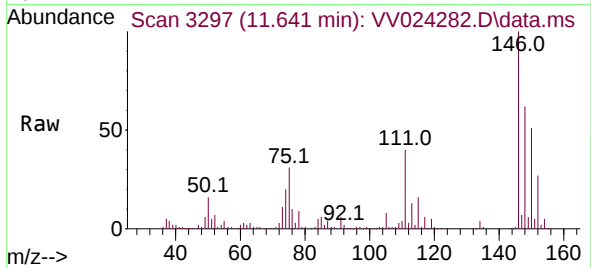
Tgt Ion:146 Resp: 9720
Ion Ratio Lower Upper
146 100
111 39.6 26.5 49.3
148 64.2 44.9 83.5





#67
1,2-Dichlorobenzene
Concen: 23.172 ug/L
RT: 11.641 min Scan# 31
Delta R.T. -0.000 min
Lab File: VV024282.D
Acq: 05 Jan 2022 16:56

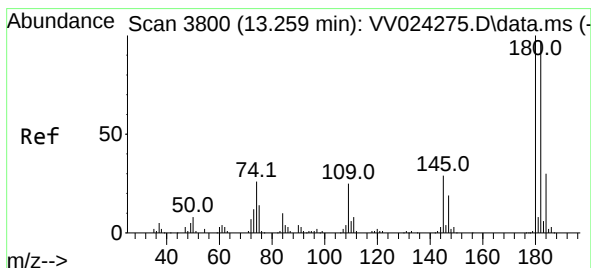
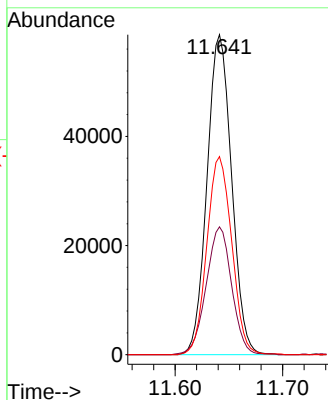
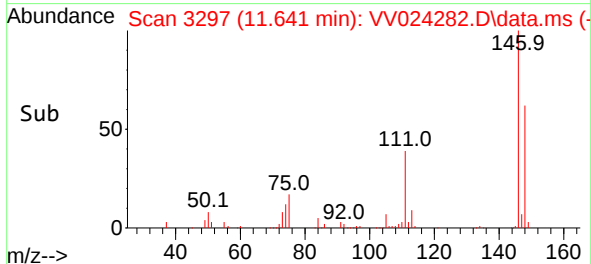
Instrument :
MSVOA_V
ClientSampleId :
BGLH4



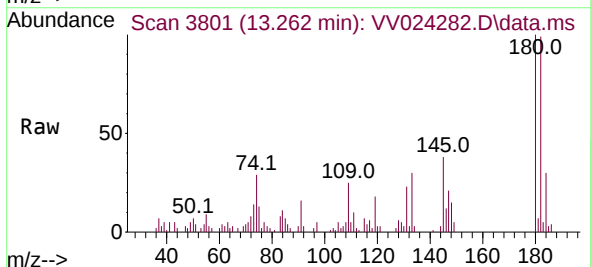
Tgt Ion:146 Resp: 93278
Ion Ratio Lower Upper
146 100
111 40.0 32.0 48.0
148 61.9 51.6 77.4

Manual Integrations
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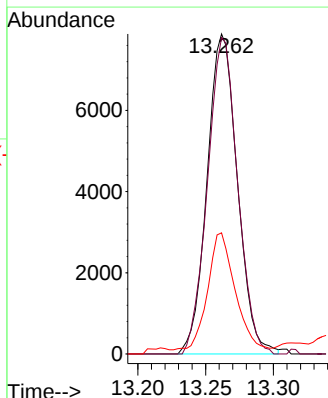
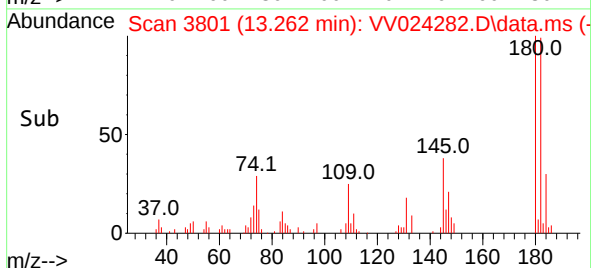
Reviewed By :John Carlone 01/06/2022
Supervised By :Mahesh Dadoda 01/06/2022

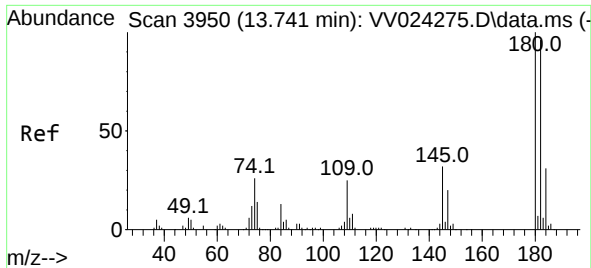


#70
1,2,4-trichlorobenzene
Concen: 4.773 ug/L
RT: 13.262 min Scan# 3801
Delta R.T. 0.003 min
Lab File: VV024282.D
Acq: 05 Jan 2022 16:56



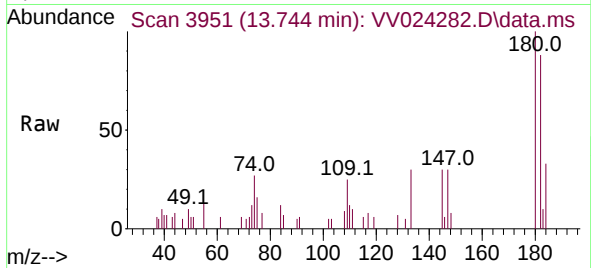
Tgt Ion:180 Resp: 12263
Ion Ratio Lower Upper
180 100
182 98.0 75.6 113.4
145 31.9 23.9 35.9





#72
 1,2,3-Trichlorobenzene
 Concen: 1.223 ug/L
 RT: 13.744 min Scan# 3950
 Delta R.T. 0.003 min
 Lab File: VV024282.D
 Acq: 05 Jan 2022 16:56

Instrument :
 MSVOA_V
 ClientSampleId :
 BGLH4



Tgt Ion:180 Resp: 3249
 Ion Ratio Lower Upper
 180 100
 182 89.8 76.1 114.1
 145 40.8 25.0 37.4

Manual Integrations
 APPROVED

Reviewed By :John Carlone 01/06/2022
 Supervised By :Mahesh Dadoda 01/06/2022

