

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120722\
 Data File : VU052217.D
 Acq On : 07 Dec 2022 23:59
 Operator : JC/MD
 Sample : N5916-11
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 F5N29

Quant Time: Dec 08 04:33:25 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111822WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Dec 08 04:19:43 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Krupa
 Patel

12/08/2022

Supervised By :Mahesh
 Dadoda

12/09/2022

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	221001	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	230547	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.815	152	151182	5.000	ug/L	# 0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.600	65	83854	3.901	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	78.000%
7) Chloroethane-d5	1.916	69	75314	4.511	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	90.200%
11) 1,1-Dichloroethene-d2	2.568	65	32370	4.201	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	84.000%
20) 2-Butanone-d5	4.629	46	217313	55.770	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	111.540%
24) Chloroform-d	5.063	84	150750	4.773	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.400%
26) 1,2-Dichloroethane-d4	5.700	65	79112	4.959	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.200%
32) Benzene-d6	5.726	84	306127	4.473	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.400%
36) 1,2-Dichloropropane-d6	6.690	67	101836	4.808	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.200%
41) Toluene-d8	7.896	98	235028	3.795	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	76.000%
43) trans-1,3-Dichloroprop...	8.179	79	30430	3.942	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	78.800%
46) 2-Hexanone-d5	8.632	63	166308	50.840	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	101.680%
56) 1,1,2,2-Tetrachloroeth...	10.754	84	93857	5.111	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	102.200%
66) 1,2-Dichlorobenzene-d4	12.211	152	142359	4.918	ug/L	0.02
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.400%

Target Compounds

						Qvalue
5) Vinyl chloride	1.604	62	79896	3.324	ug/L	97
16) Methylene chloride	3.044	84	7063	0.326	ug/L	95
18) trans-1,2-Dichloroethene	3.356	96	71898	4.184	ug/L	93
19) 1,1-Dichloroethane	3.874	63	11262	0.364	ug/L	99
22) cis-1,2-Dichloroethene	4.665	96	736126	40.814	ug/L	99
27) 1,2-Dichloroethane	5.796	62	29396	1.529	ug/L	97
33) Benzene	5.774	78	371860	4.956	ug/L	100
42) Toluene	7.970	91	39057	0.506	ug/L	96
51) Chlorobenzene	9.446	112	7109212	144.477	ug/L	99
52) Ethylbenzene	9.568	91	11491	0.153	ug/L	100
53) m,p-Xylene	9.693	106	3443	0.119	ug/L	97
54) o-Xylene	10.098	106	8243	0.296	ug/L	80
60) Isopropylbenzene	10.481	105	12899m	0.136	ug/L	
62) 1,3,5-Trimethylbenzene	11.089	105	89165	1.175	ug/L	98
63) 1,2,4-Trimethylbenzene	11.468	105	726542	9.642	ug/L	100
64) 1,3-Dichlorobenzene	11.745	146	836003	17.241	ug/L	99
65) 1,4-Dichlorobenzene	11.832	146	17871132m	369.554	ug/L	
67) 1,2-Dichlorobenzene	12.208	146	32333160m	692.440	ug/L	
70) 1,2,4-trichlorobenzene	13.838	180	88310	3.373	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
72) 1,2,3-Trichlorobenzene	14.327	180	23060	0.895	ug/L	96

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

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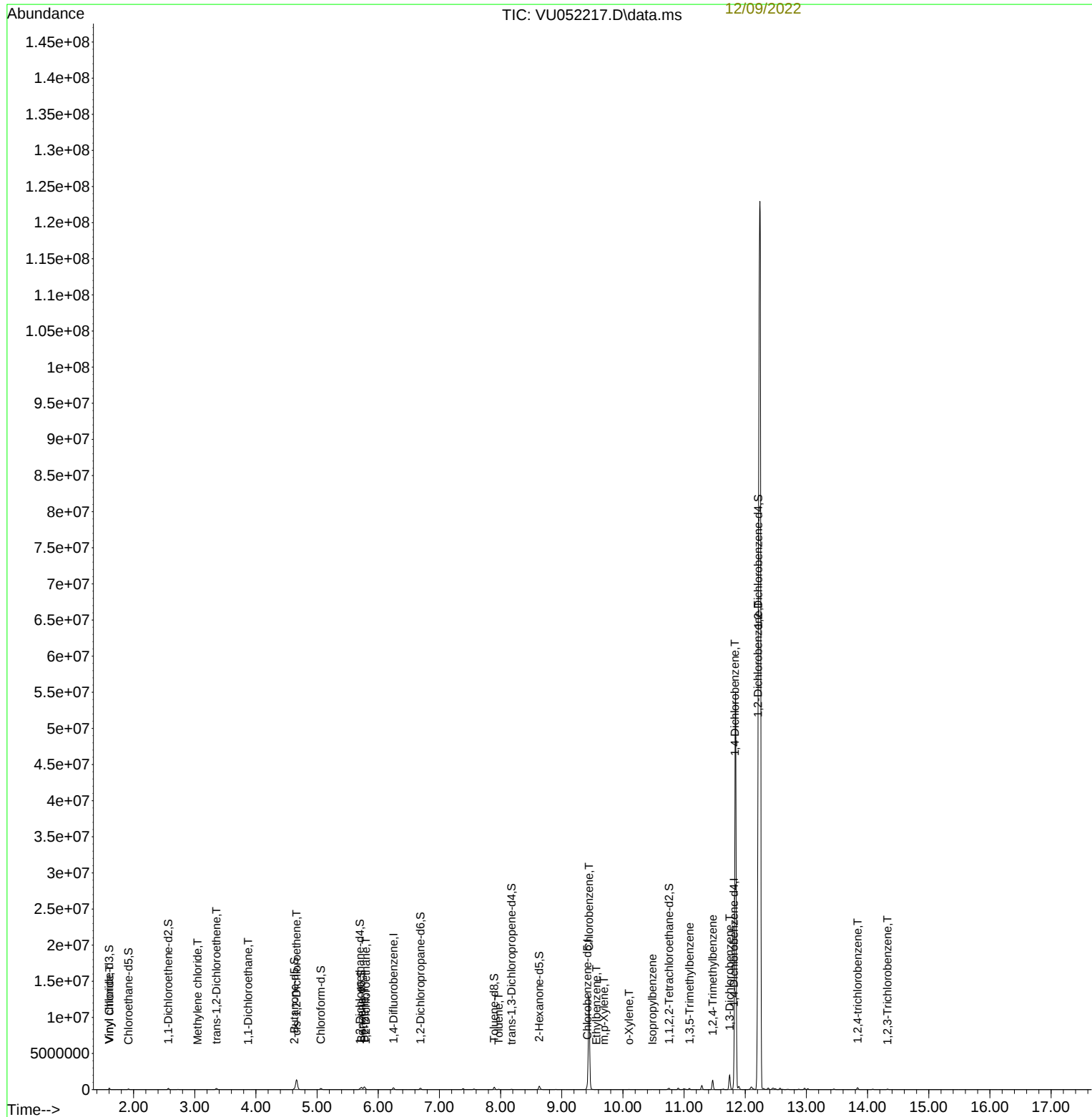
Manual Integrations
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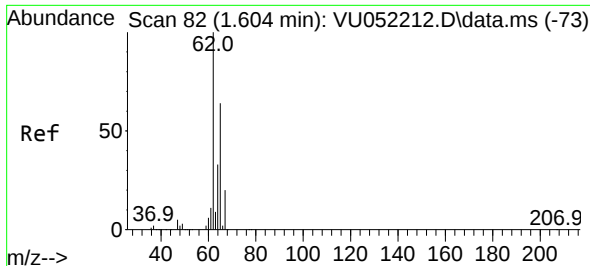
Reviewed By :Krupa
Patel

12/08/2022

Supervised By :Mahesh
Dadoda

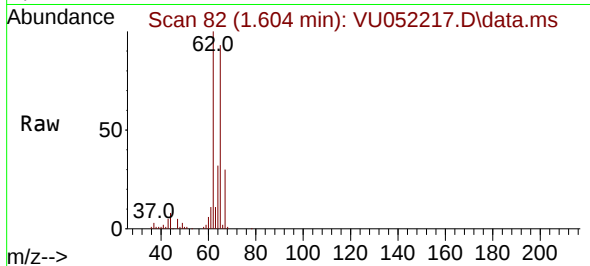
12/09/2022





#5
 Vinyl chloride
 Concen: 3.324 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VU052217.D
 Acq: 07 Dec 2022 23:59

Instrument :
 MSVOA_U
 ClientSampleId :
 F5N29

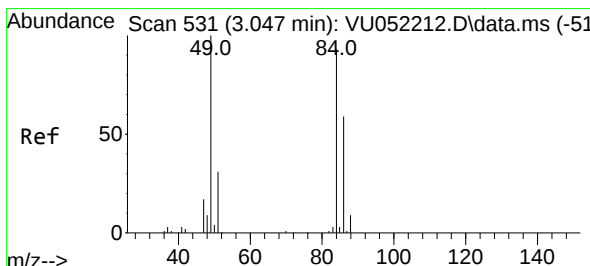
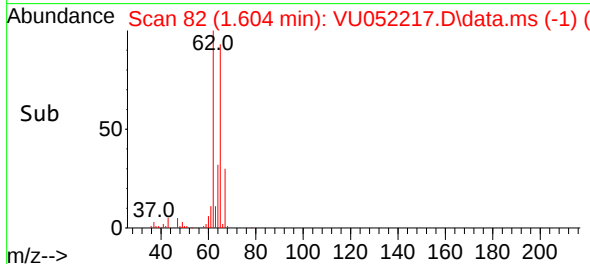
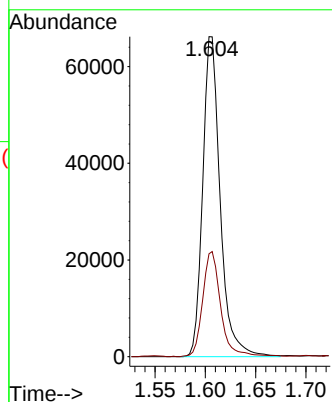


Tgt Ion: 62 Resp: 79890
 Ion Ratio Lower Upper
 62 100
 64 32.1 23.5 43.7

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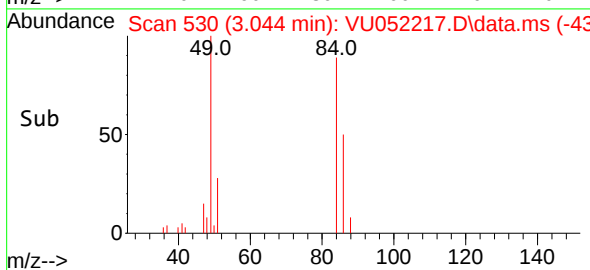
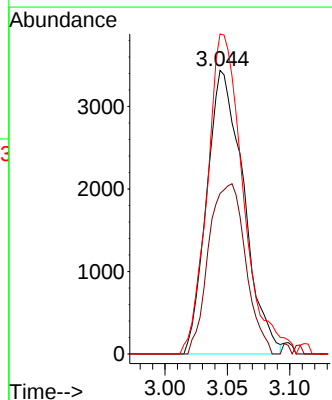
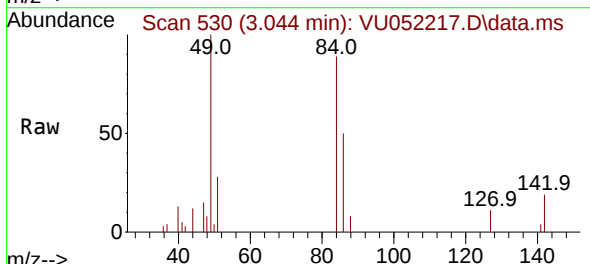
Reviewed By :Krupa
 Patel
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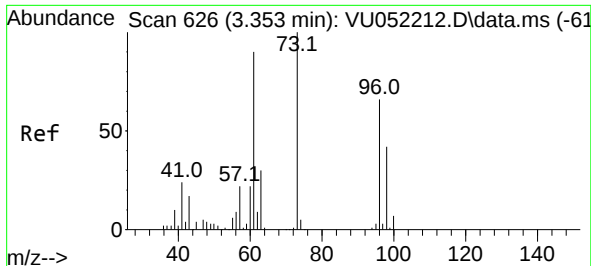
Supervised By :Mahesh
 Dadoda
 12/09/2022



#16
 Methylene chloride
 Concen: 0.326 ug/L
 RT: 3.044 min Scan# 530
 Delta R.T. -0.003 min
 Lab File: VU052217.D
 Acq: 07 Dec 2022 23:59

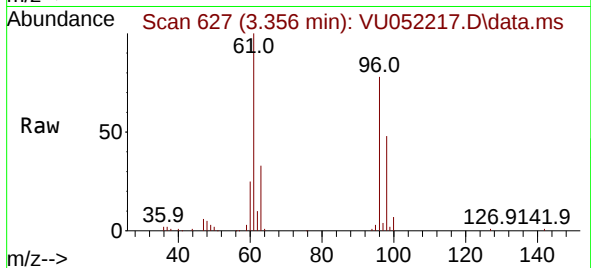
Tgt Ion: 84 Resp: 7063
 Ion Ratio Lower Upper
 84 100
 86 56.6 43.8 81.4
 49 112.9 75.9 141.1





#18
trans-1,2-Dichloroethene
Concen: 4.184 ug/L
RT: 3.356 min Scan# 61
Delta R.T. 0.003 min
Lab File: VU052217.D
Acq: 07 Dec 2022 23:59

Instrument :
MSVOA_U
ClientSampleId :
F5N29

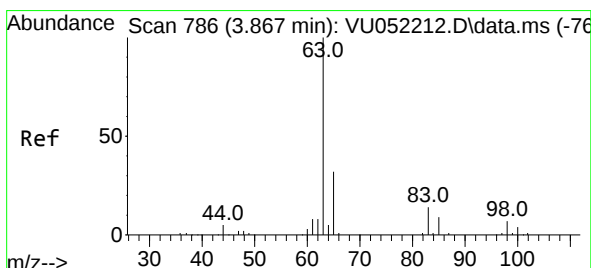
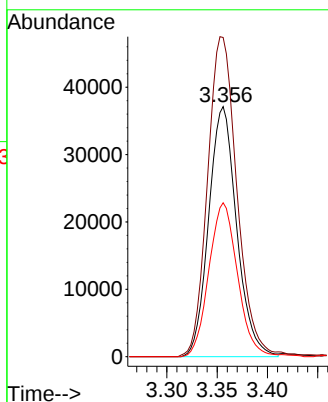
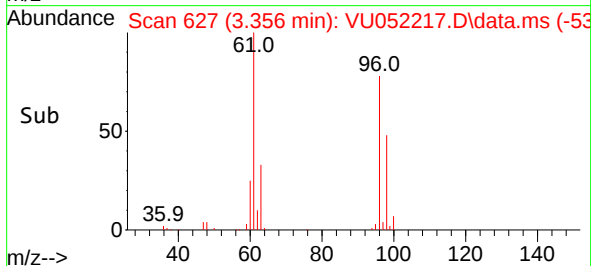


Tgt Ion: 96 Resp: 71898
Ion Ratio Lower Upper
96 100
61 127.6 97.9 181.7
98 61.5 43.8 81.3

Manual Integrations
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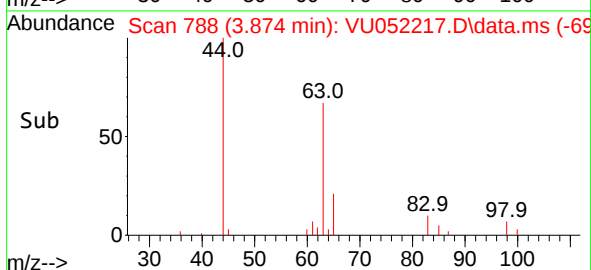
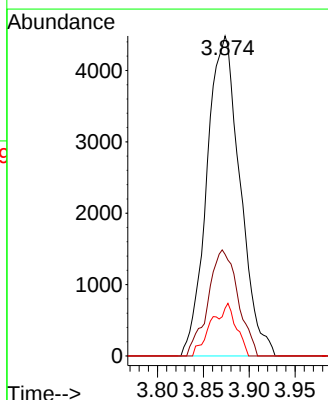
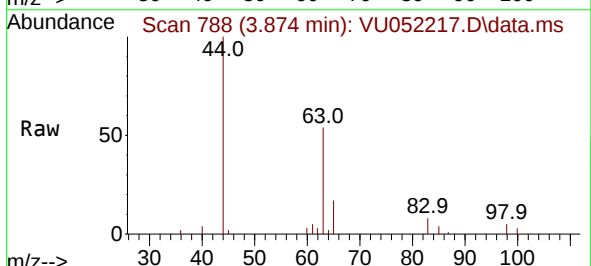
Reviewed By :Krupa
Patel
12/08/2022

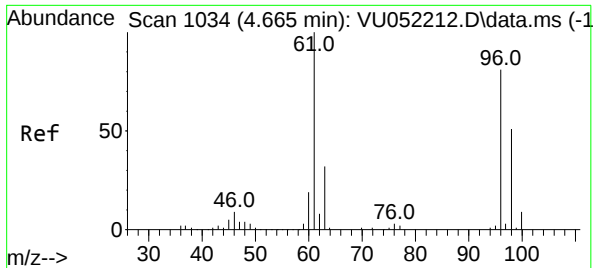
Supervised By :Mahesh
Dadoda
12/09/2022



#19
1,1-Dichloroethane
Concen: 0.364 ug/L
RT: 3.874 min Scan# 788
Delta R.T. 0.006 min
Lab File: VU052217.D
Acq: 07 Dec 2022 23:59

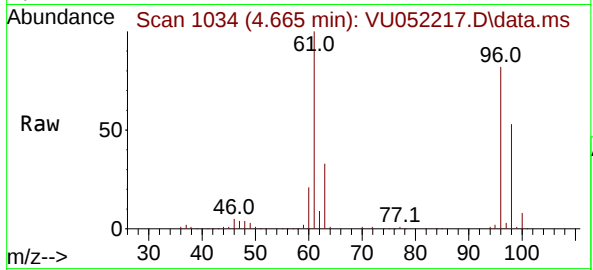
Tgt Ion: 63 Resp: 11262
Ion Ratio Lower Upper
63 100
65 31.7 22.2 41.2
83 14.9 9.2 17.0





#22
cis-1,2-Dichloroethene
Concen: 40.814 ug/L
RT: 4.665 min Scan# 1034
Delta R.T. -0.000 min
Lab File: VU052217.D
Acq: 07 Dec 2022 23:59

Instrument :
MSVOA_U
ClientSampleId :
F5N29

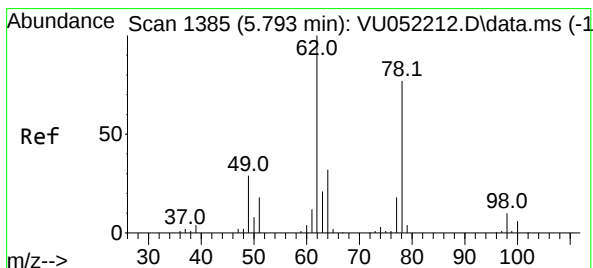
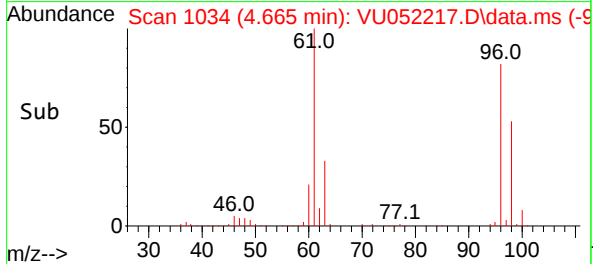
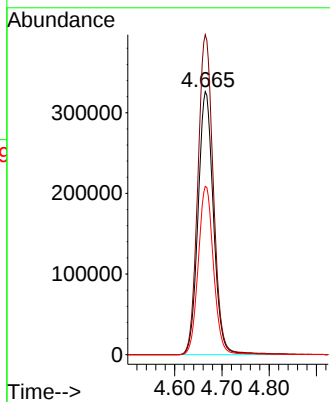


Tgt Ion: 96 Resp: 736120
Ion Ratio Lower Upper
96 100
61 121.6 85.1 158.1
98 64.0 42.8 79.6

Manual Integrations
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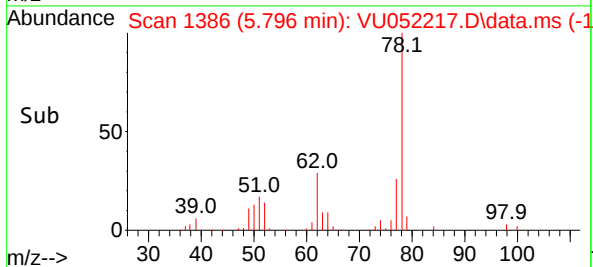
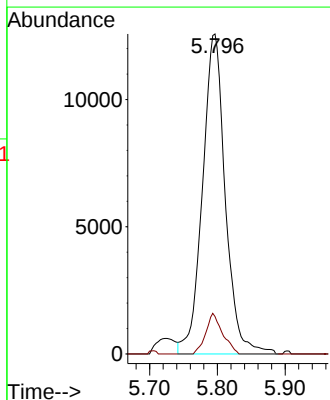
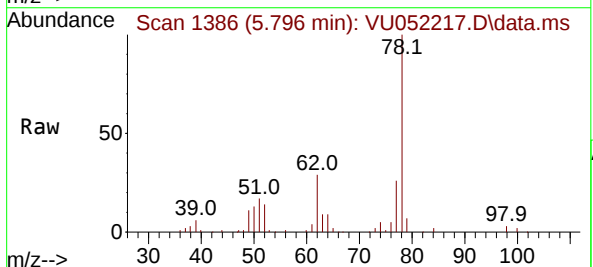
Reviewed By :Krupa
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12/08/2022

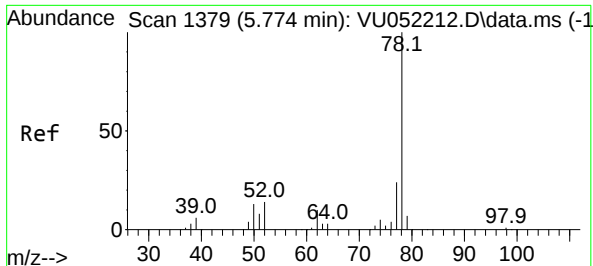
Supervised By :Mahesh
Dadoda
12/09/2022



#27
1,2-Dichloroethane
Concen: 1.529 ug/L
RT: 5.796 min Scan# 1386
Delta R.T. 0.003 min
Lab File: VU052217.D
Acq: 07 Dec 2022 23:59

Tgt Ion: 62 Resp: 29396
Ion Ratio Lower Upper
62 100
98 11.7 8.4 12.6





#33
Benzene
Concen: 4.956 ug/L
RT: 5.774 min Scan# 1379
Delta R.T. -0.000 min
Lab File: VU052217.D
Acq: 07 Dec 2022 23:59

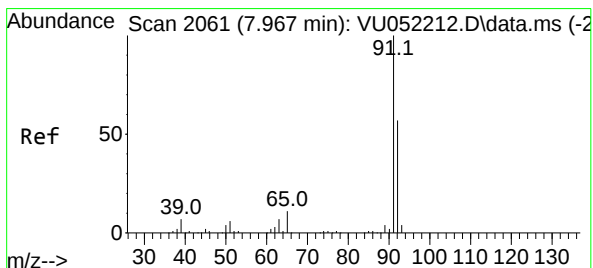
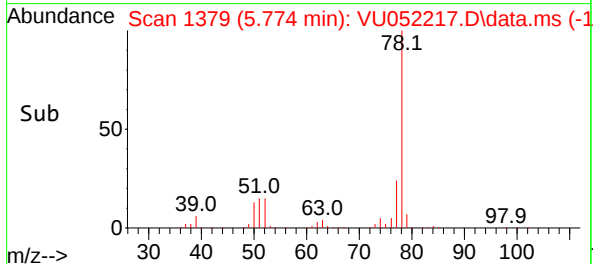
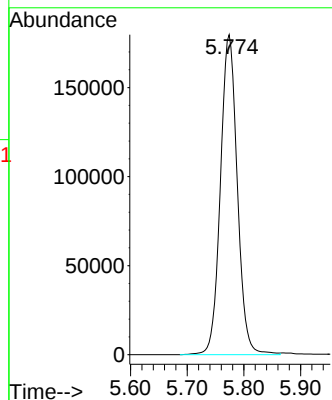
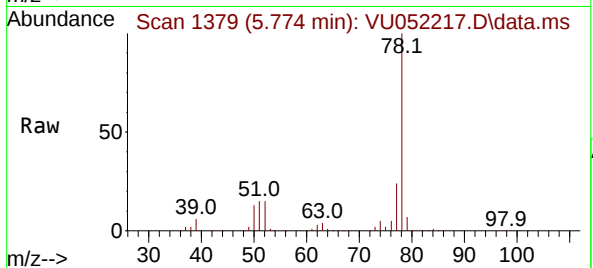
Instrument : MSVOA_U
ClientSampleId : F5N29

Tgt Ion: 78 Resp: 371860

Manual Integrations
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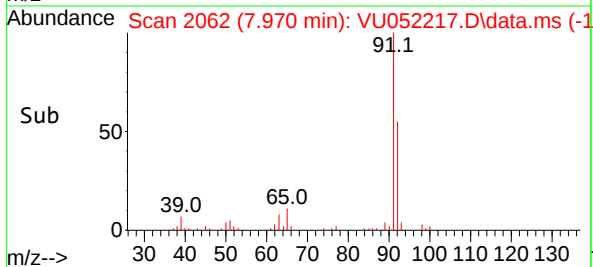
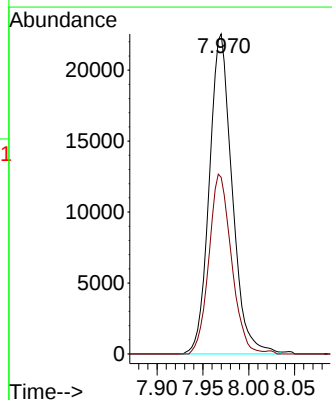
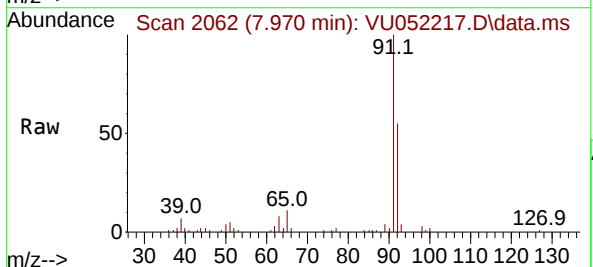
Reviewed By :Krupa
Patel
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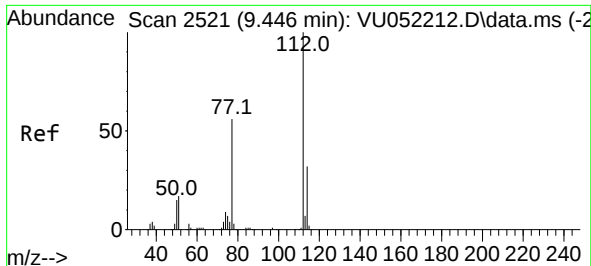
Supervised By :Mahesh
Dadoda
12/09/2022



#42
Toluene
Concen: 0.506 ug/L
RT: 7.970 min Scan# 2062
Delta R.T. 0.003 min
Lab File: VU052217.D
Acq: 07 Dec 2022 23:59

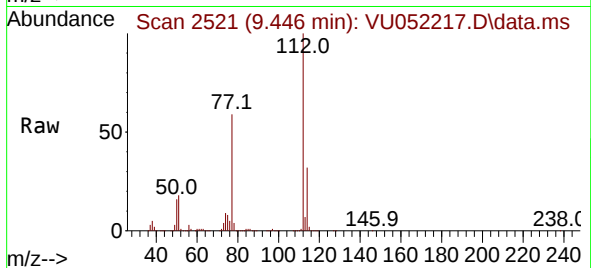
Tgt Ion: 91 Resp: 39057
Ion Ratio Lower Upper
91 100
92 55.2 40.7 75.5





#51
Chlorobenzene
Concen: 144.477 ug/L
RT: 9.446 min Scan# 2521
Delta R.T. -0.000 min
Lab File: VU052217.D
Acq: 07 Dec 2022 23:59

Instrument :
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ClientSampleId :
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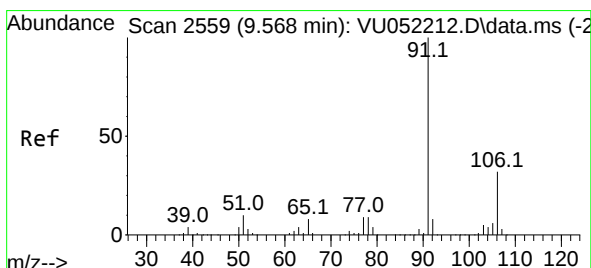
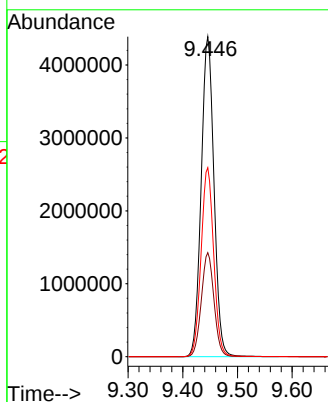
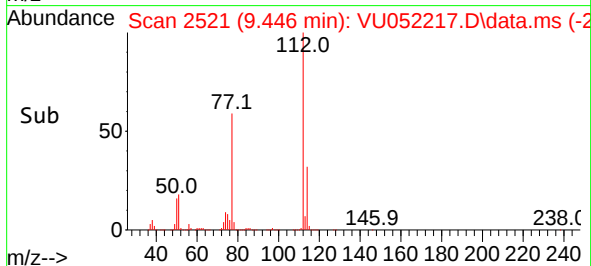


Tgt Ion: 112 Resp: 710921
Ion Ratio Lower Upper
112 100
114 32.5 22.2 41.2
77 59.0 46.6 70.0

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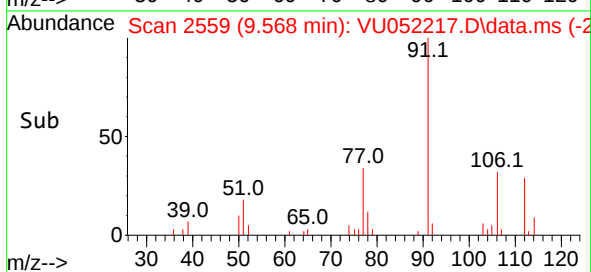
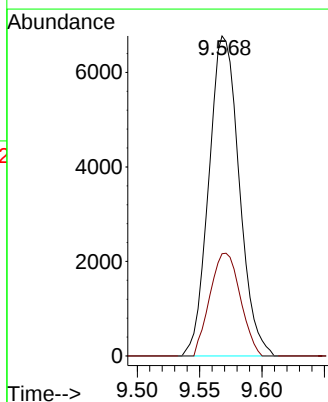
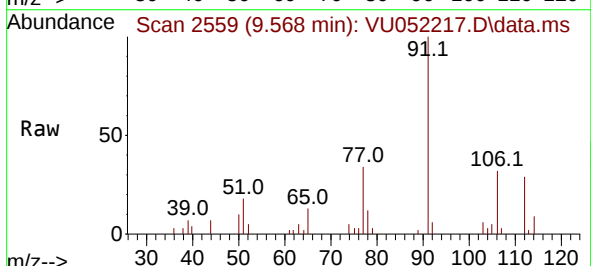
Reviewed By :Krupa
Patel
12/08/2022

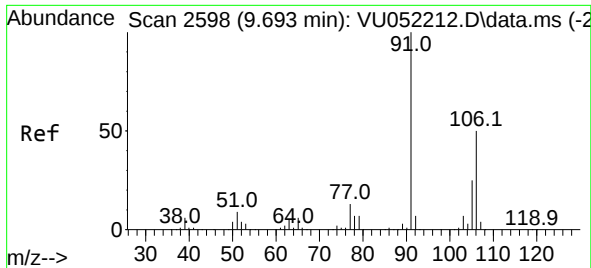
Supervised By :Mahesh
Dadoda
12/09/2022



#52
Ethylbenzene
Concen: 0.153 ug/L
RT: 9.568 min Scan# 2559
Delta R.T. -0.000 min
Lab File: VU052217.D
Acq: 07 Dec 2022 23:59

Tgt Ion: 91 Resp: 11491
Ion Ratio Lower Upper
91 100
106 32.0 22.3 41.3





#53
m,p-Xylene
Concen: 0.119 ug/L
RT: 9.693 min Scan# 2598
Delta R.T. -0.000 min
Lab File: VU052217.D
Acq: 07 Dec 2022 23:59

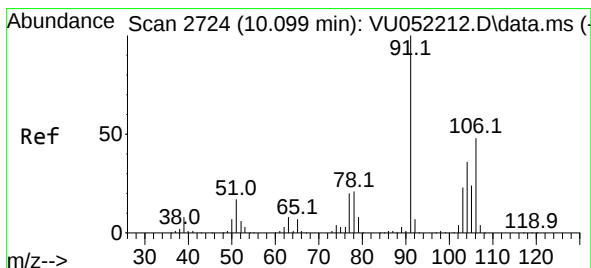
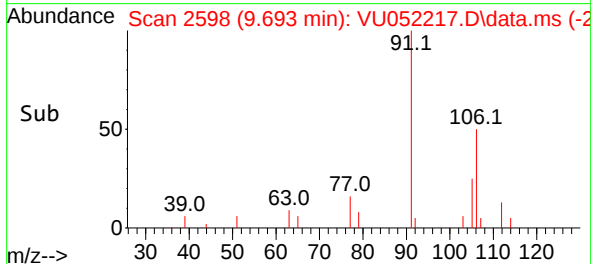
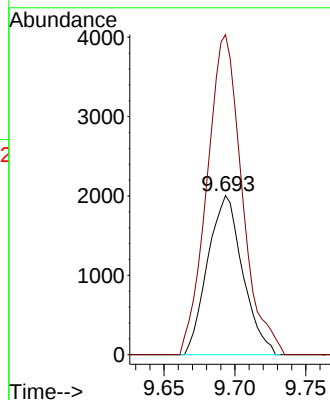
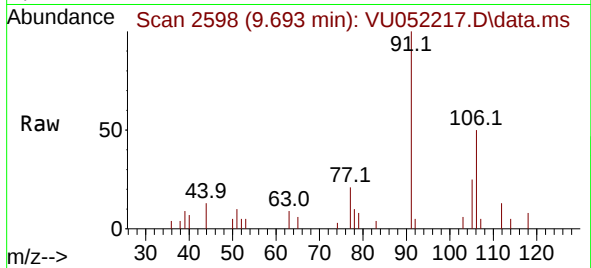
Instrument :
MSVOA_U
ClientSampleId :
F5N29

Tgt Ion:106 Resp: 344
Ion Ratio Lower Upper
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91 201.2 137.7 255.7

Manual Integrations
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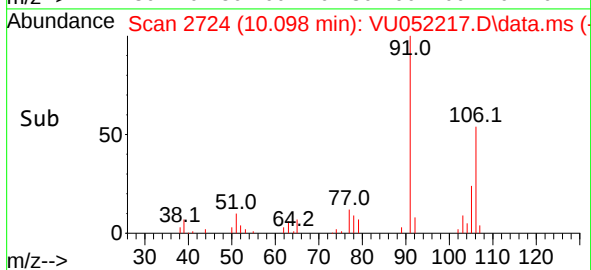
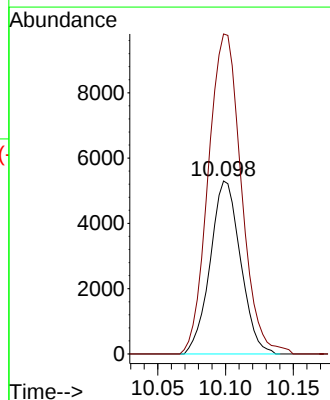
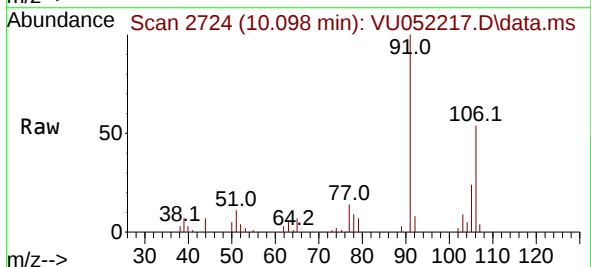
Reviewed By :Krupa
Patel
12/08/2022

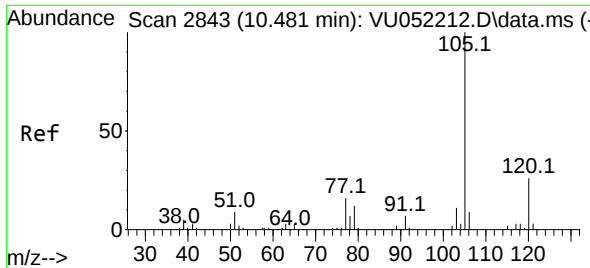
Supervised By :Mahesh
Dadoda
12/09/2022



#54
o-Xylene
Concen: 0.296 ug/L
RT: 10.098 min Scan# 2724
Delta R.T. -0.000 min
Lab File: VU052217.D
Acq: 07 Dec 2022 23:59

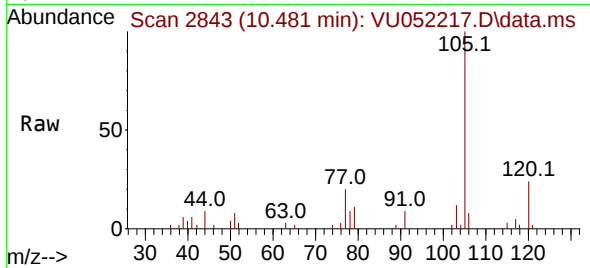
Tgt Ion:106 Resp: 8243
Ion Ratio Lower Upper
106 100
91 184.9 151.5 281.5





#60
Isopropylbenzene
Concen: 0.136 ug/L m
RT: 10.481 min Scan# 2843
Delta R.T. -0.000 min
Lab File: VU052217.D
Acq: 07 Dec 2022 23:59

Instrument :
MSVOA_U
ClientSampleId :
F5N29

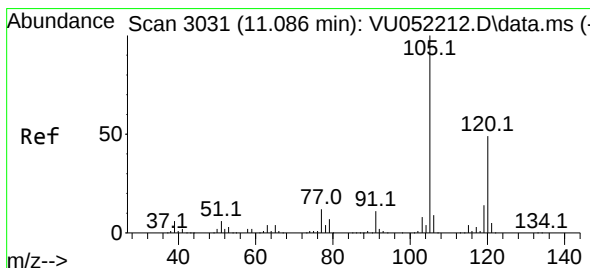
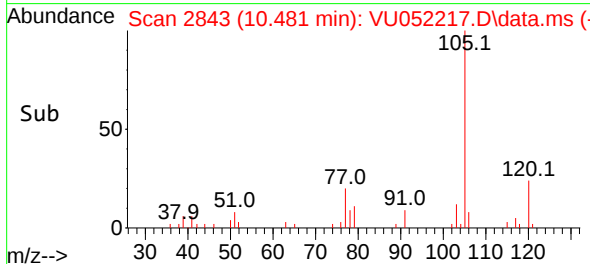
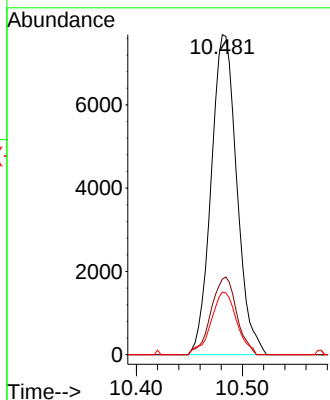


Tgt Ion:105 Resp: 1289
Ion Ratio Lower Upper
105 100
120 260.6 21.0 31.6
77 0.0 12.5 18.7

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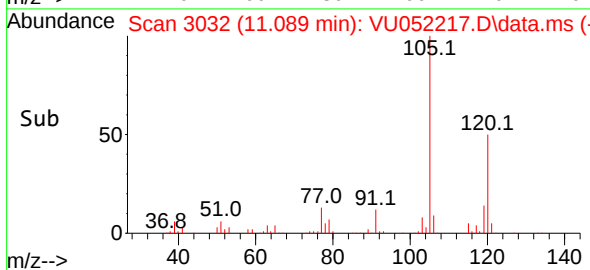
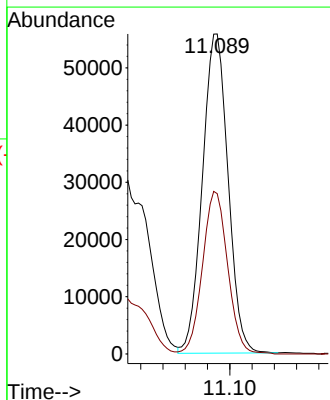
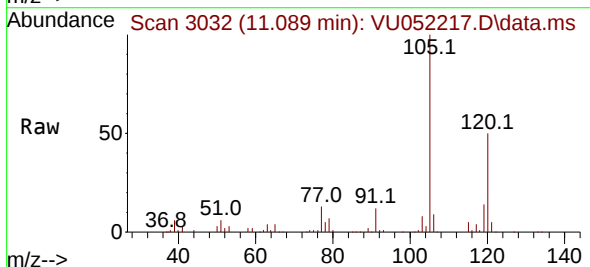
Reviewed By :Krupa
Patel
12/08/2022

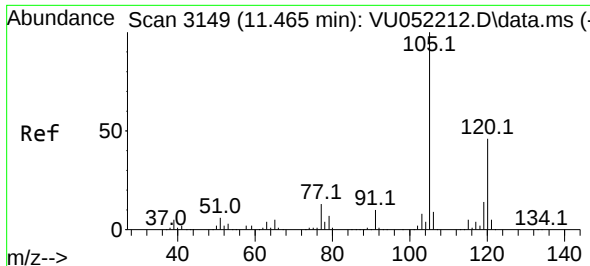
Supervised By :Mahesh
Dadoda
12/09/2022



#62
1,3,5-Trimethylbenzene
Concen: 1.175 ug/L
RT: 11.089 min Scan# 3032
Delta R.T. 0.003 min
Lab File: VU052217.D
Acq: 07 Dec 2022 23:59

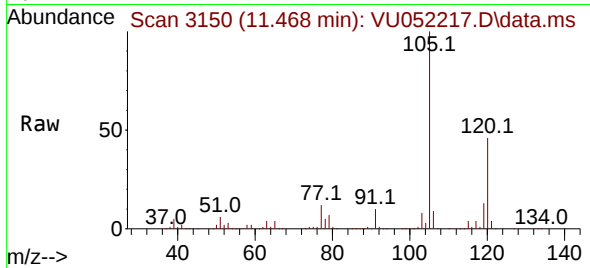
Tgt Ion:105 Resp: 89165
Ion Ratio Lower Upper
105 100
120 50.0 38.7 58.1





#63
1,2,4-Trimethylbenzene
Concen: 9.642 ug/L
RT: 11.468 min Scan# 3149
Delta R.T. 0.003 min
Lab File: VU052217.D
Acq: 07 Dec 2022 23:59

Instrument :
MSVOA_U
ClientSampleId :
F5N29

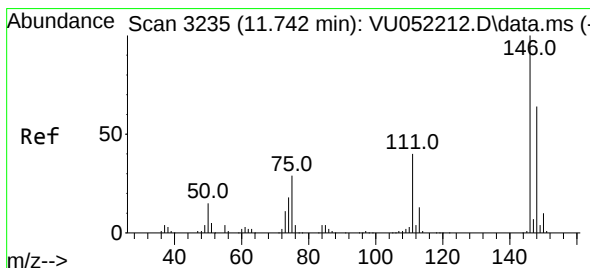
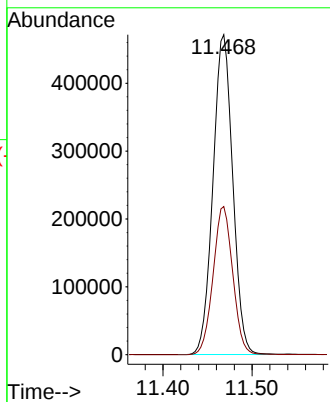
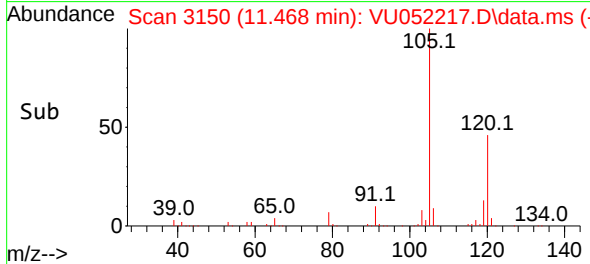


Tgt Ion:105 Resp: 72654
Ion Ratio Lower Upper
105 100
120 46.1 36.6 55.0

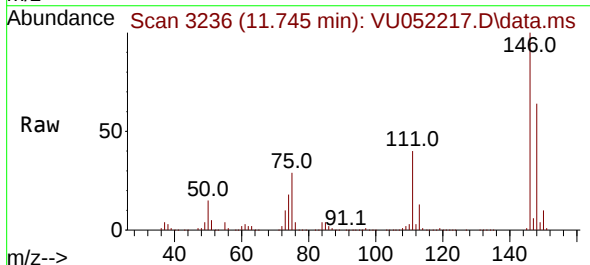
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Reviewed By :Krupa
Patel
12/08/2022

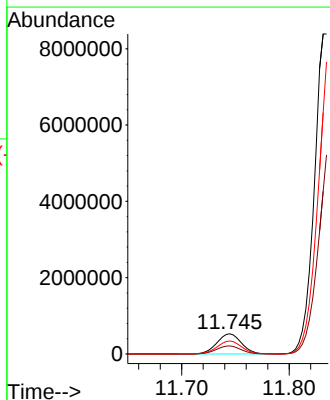
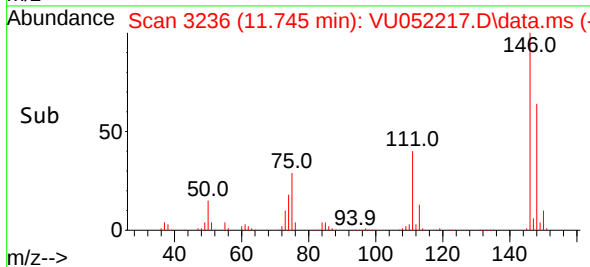
Supervised By :Mahesh
Dadoda
12/09/2022

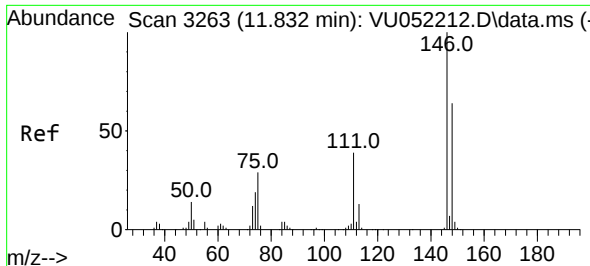


#64
1,3-Dichlorobenzene
Concen: 17.241 ug/L
RT: 11.745 min Scan# 3236
Delta R.T. 0.003 min
Lab File: VU052217.D
Acq: 07 Dec 2022 23:59



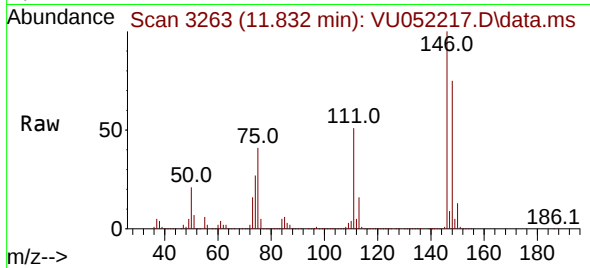
Tgt Ion:146 Resp: 836003
Ion Ratio Lower Upper
146 100
111 39.7 28.6 53.2
148 64.4 45.4 84.2





#65
1,4-Dichlorobenzene
Concen: 369.554 ug/L m
RT: 11.832 min Scan# 3263
Delta R.T. -0.000 min
Lab File: VU052217.D
Acq: 07 Dec 2022 23:59

Instrument :
MSVOA_U
ClientSampleId :
F5N29

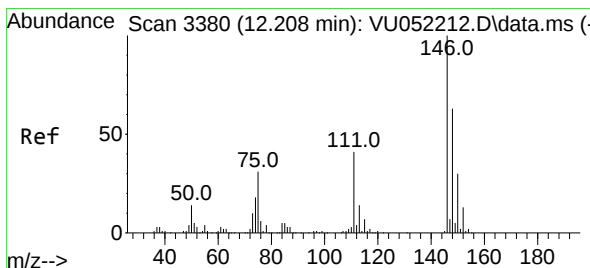
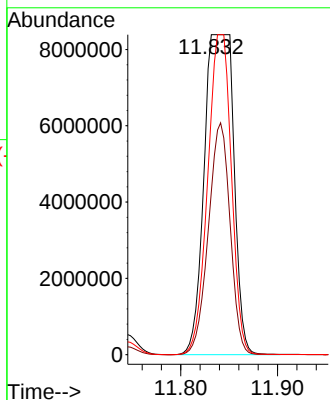
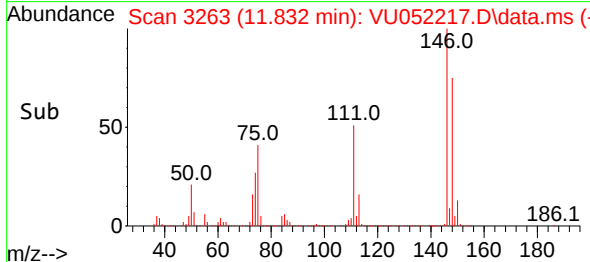


Tgt Ion:146 Resp:17871132
Ion Ratio Lower Upper
146 100
111 50.8 26.9 50.1#
148 75.4 45.1 83.7#

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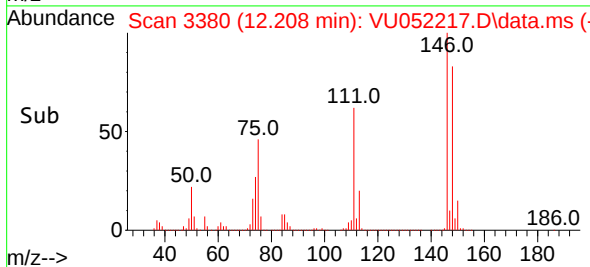
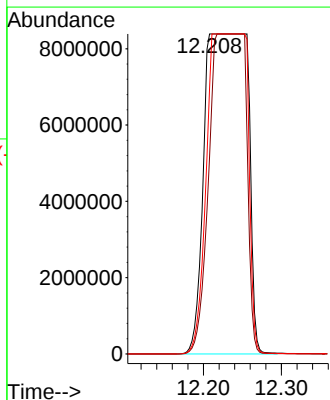
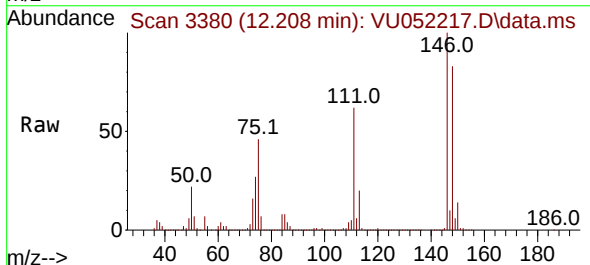
Reviewed By :Krupa
Patel
12/08/2022

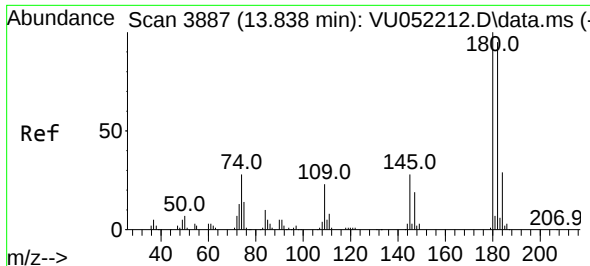
Supervised By :Mahesh
Dadoda
12/09/2022



#67
1,2-Dichlorobenzene
Concen: 692.440 ug/L m
RT: 12.208 min Scan# 3380
Delta R.T. -0.000 min
Lab File: VU052217.D
Acq: 07 Dec 2022 23:59

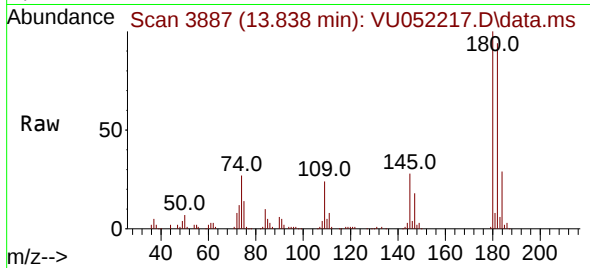
Tgt Ion:146 Resp:32333160
Ion Ratio Lower Upper
146 100
111 61.6 32.7 49.1#
148 83.0 50.6 75.8#





#70
1,2,4-trichlorobenzene
Concen: 3.373 ug/L
RT: 13.838 min Scan# 3887
Delta R.T. -0.000 min
Lab File: VU052217.D
Acq: 07 Dec 2022 23:59

Instrument : MSVOA_U
ClientSampleId : F5N29

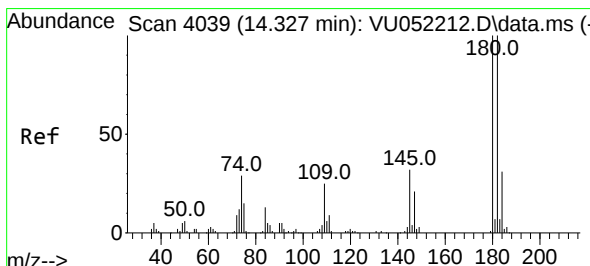
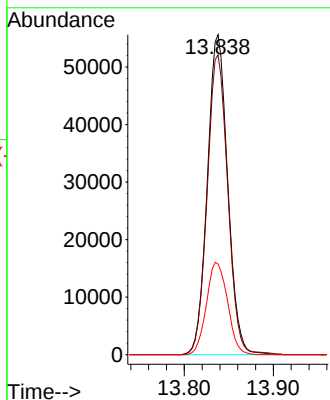
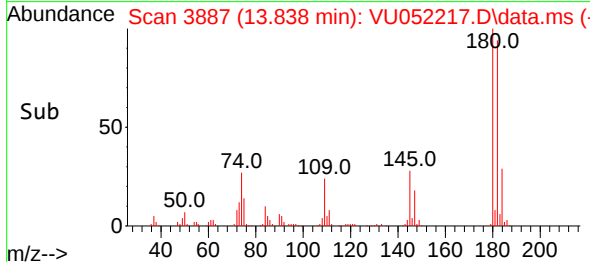


Tgt Ion:180 Resp: 88310
Ion Ratio Lower Upper
180 100
182 94.6 76.3 114.5
145 29.9 24.6 36.8

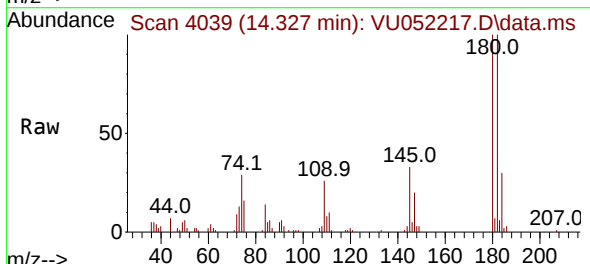
Manual Integrations
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Reviewed By :Krupa
Patel
12/08/2022

Supervised By :Mahesh
Dadoda
12/09/2022



#72
1,2,3-Trichlorobenzene
Concen: 0.895 ug/L
RT: 14.327 min Scan# 4039
Delta R.T. -0.000 min
Lab File: VU052217.D
Acq: 07 Dec 2022 23:59



Tgt Ion:180 Resp: 23060
Ion Ratio Lower Upper
180 100
182 97.6 75.7 113.5
145 33.8 24.5 36.7

