

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU103122\
 Data File : VU051643.D
 Acq On : 01 Nov 2022 04:57
 Operator : JC/MD
 Sample : N5319-04
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BHA99

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 11/01/2022
 Supervised By :Mahesh Dadoda 11/03/2022

Quant Time: Nov 01 06:02:02 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR102822WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Nov 01 02:34:58 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	207403	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	210529	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	115325	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.594	65	72442	4.638	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	92.800%
7) Chloroethane-d5	1.912	69	76271	4.682	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	93.600%
11) 1,1-Dichloroethene-d2	2.562	65	24764	4.368	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	87.400%
20) 2-Butanone-d5	4.645	46	304980	53.911	ug/L	0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	107.820%
24) Chloroform-d	5.060	84	169009	4.624	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.400%
26) 1,2-Dichloroethane-d4	5.703	65	96231	4.873	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.400%
32) Benzene-d6	5.726	84	311525	4.689	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.800%
36) 1,2-Dichloropropane-d6	6.690	67	113321	4.878	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.600%
41) Toluene-d8	7.896	98	224518	4.297	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.000%
43) trans-1,3-Dichloroprop...	8.179	79	25124	3.537	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	70.800%
46) 2-Hexanone-d5	8.636	63	215619	50.425	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	100.840%
56) 1,1,2,2-Tetrachloroeth...	10.754	84	110462	5.189	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	103.800%
66) 1,2-Dichlorobenzene-d4	12.192	152	103684	4.898	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.000%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.600	62	391657	14.300	ug/L	84
8) Chloroethane	1.932	64	1427693	85.842	ug/L	100
12) 1,1-Dichloroethene	2.578	96	7015	0.389	ug/L	# 1
13) Acetone	2.668	43	59602	20.765	ug/L	89
14) Carbon disulfide	2.790	76	16758	0.288	ug/L	96
18) trans-1,2-Dichloroethene	3.350	96	5808	0.300	ug/L	97
19) 1,1-Dichloroethane	3.867	63	781828	21.905	ug/L	99
22) cis-1,2-Dichloroethene	4.665	96	892236	41.671	ug/L	99
29) 1,1,1-Trichloroethane	5.314	97	117324	4.105	ug/L	99
30) Cyclohexane	5.385	56	38014	1.444	ug/L	98
33) Benzene	5.771	78	5594504	67.338	ug/L	100
34) Trichloroethene	6.542	95	6869	0.343	ug/L	94
35) Methylcyclohexane	6.761	83	75397	2.720	ug/L	90
42) Toluene	7.964	91	16770689m	196.554	ug/L	
47) Tetrachloroethene	8.552	164	8485	0.553	ug/L	95
51) Chlorobenzene	9.446	112	5364653	99.898	ug/L	98
52) Ethylbenzene	9.568	91	4054274	49.246	ug/L	99
53) m,p-Xylene	9.690	106	5793510	181.177	ug/L	98
54) o-Xylene	10.099	106	1298901	41.563	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
60) Isopropylbenzene	10.481	105	716507	8.511	ug/L	99
62) 1,3,5-Trimethylbenzene	11.086	105	194402	8.577	ug/L	99
63) 1,2,4-Trimethylbenzene	11.465	105	986468	15.094	ug/L	99
64) 1,3-Dichlorobenzene	11.745	146	19977	0.477	ug/L	96
65) 1,4-Dichlorobenzene	11.835	146	154154	3.668	ug/L	98
67) 1,2-Dichlorobenzene	12.211	146	110992	2.719	ug/L	99

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

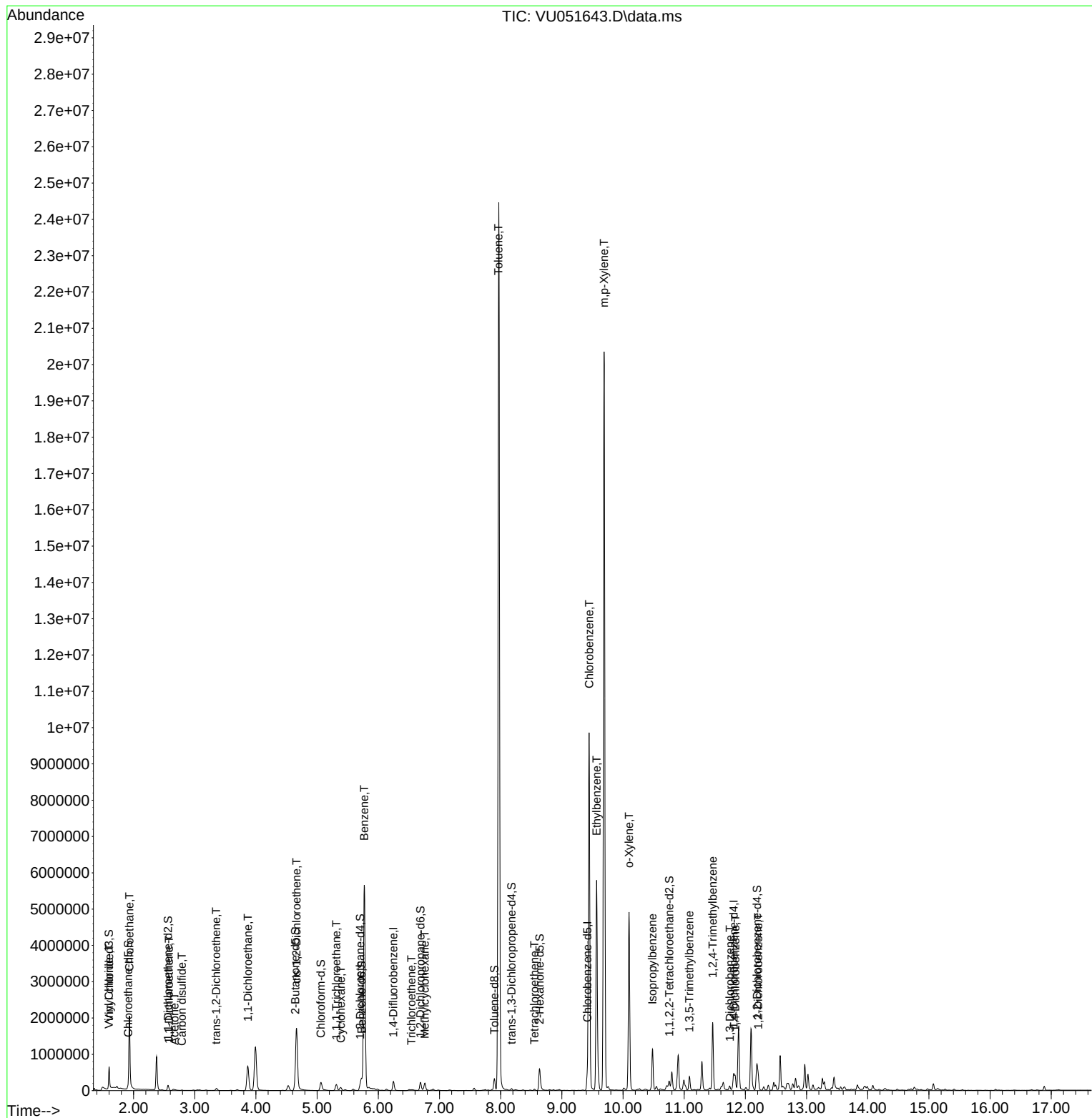
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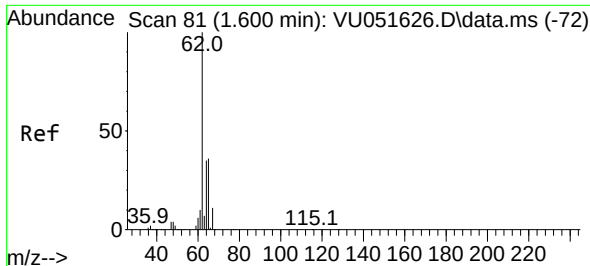
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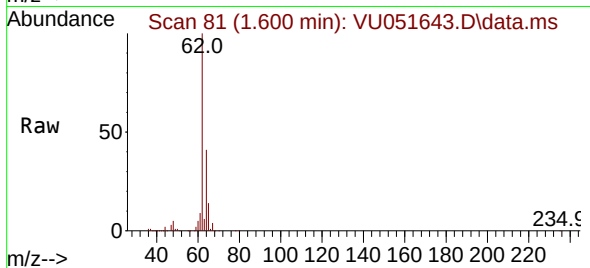
Reviewed By :Krupa Patel 11/01/2022
Supervised By :Mahesh Dadoda 11/03/2022





#5
 Vinyl chloride
 Concen: 14.300 ug/L
 RT: 1.600 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: VU051643.D
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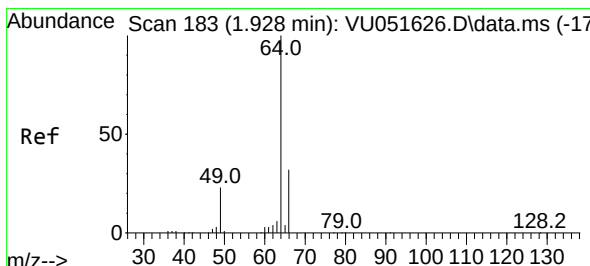
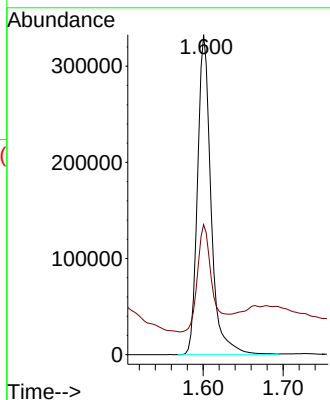
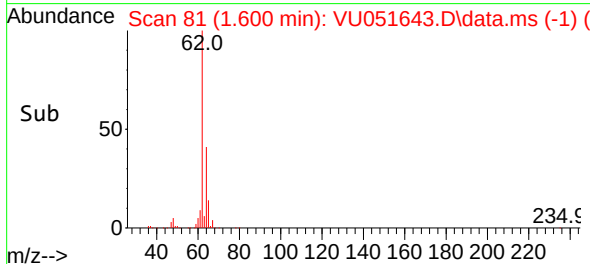
Instrument :
 MSVOA_U
 ClientSampleId :
 BHA99



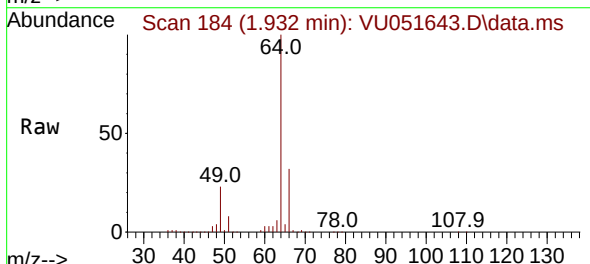
Tgt Ion: 62 Resp: 39165
 Ion Ratio Lower Upper
 62 100
 64 40.6 22.1 41.1

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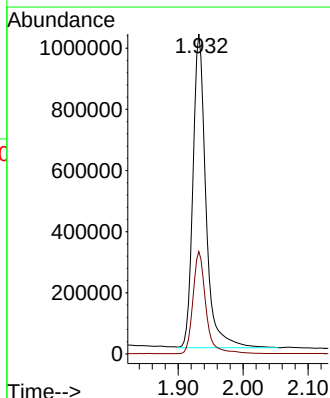
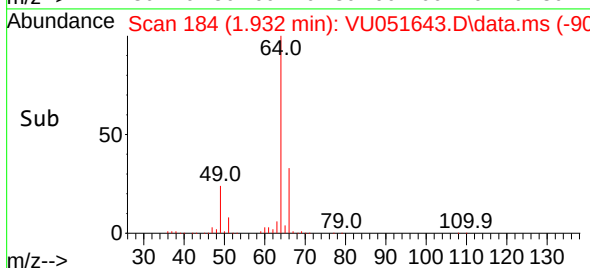
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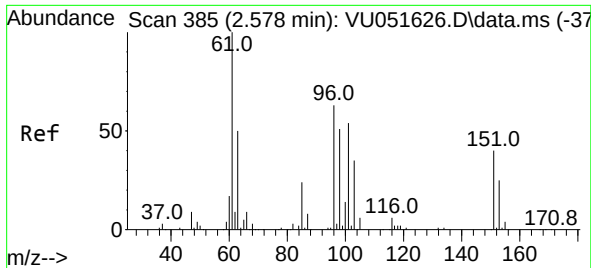


#8
 Chloroethane
 Concen: 85.842 ug/L
 RT: 1.932 min Scan# 184
 Delta R.T. 0.003 min
 Lab File: VU051643.D
 Acq: 01 Nov 2022 04:57



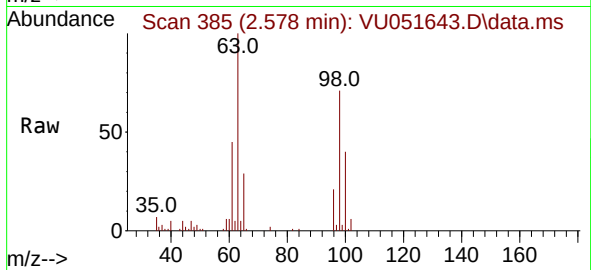
Tgt Ion: 64 Resp: 1427693
 Ion Ratio Lower Upper
 64 100
 66 32.0 22.3 41.5





#12
1,1-Dichloroethene
Concen: 0.389 ug/L
RT: 2.578 min Scan# 385
Delta R.T. 0.000 min
Lab File: VU051643.D
Acq: 01 Nov 2022 04:57

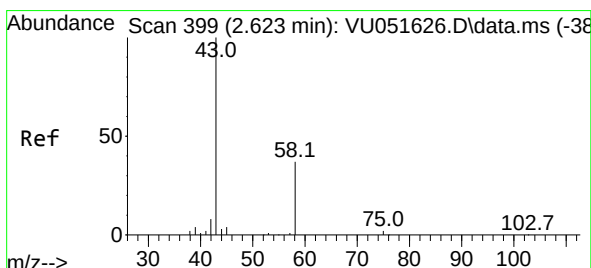
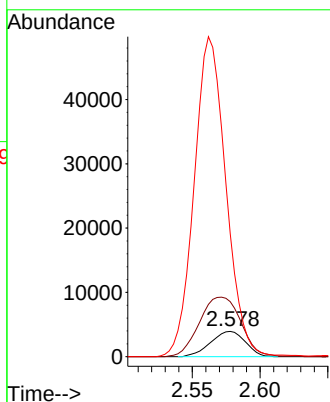
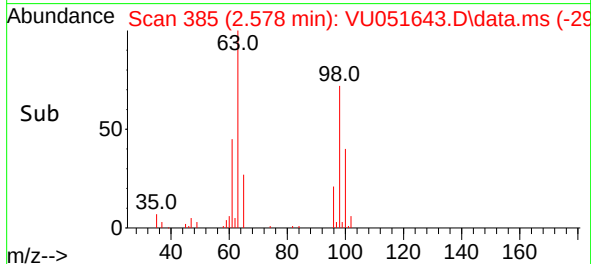
Instrument :
MSVOA_U
ClientSampleId :
BHA99



Tgt Ion: 96 Resp: 7015
Ion Ratio Lower Upper
96 100
61 217.3 108.8 202.0
63 487.2 64.9 120.5

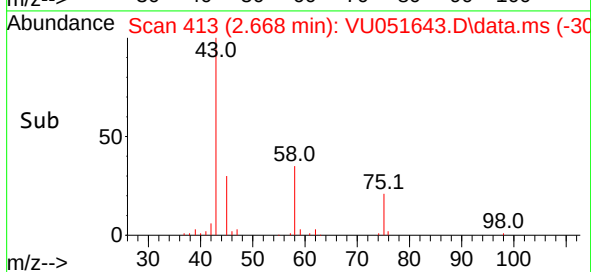
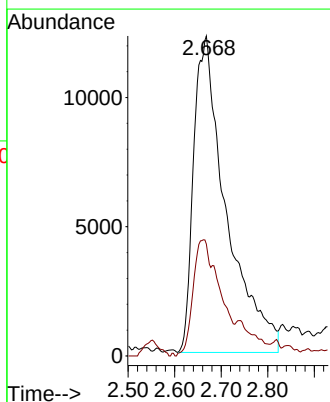
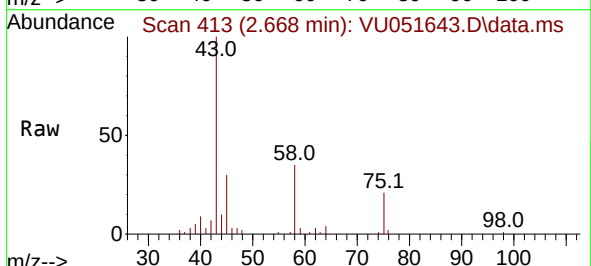
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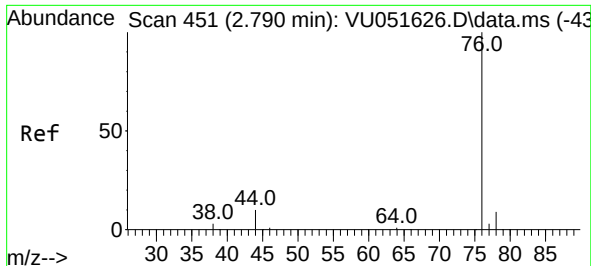
Reviewed By :Krupa Patel 11/01/2022
Supervised By :Mahesh Dadoda 11/03/2022



#13
Acetone
Concen: 20.765 ug/L
RT: 2.668 min Scan# 413
Delta R.T. 0.045 min
Lab File: VU051643.D
Acq: 01 Nov 2022 04:57

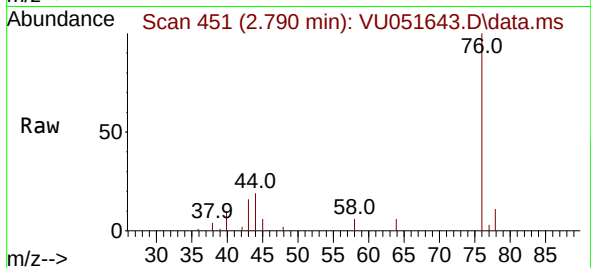
Tgt Ion: 43 Resp: 59602
Ion Ratio Lower Upper
43 100
58 30.1 0.0 73.8





#14
Carbon disulfide
Concen: 0.288 ug/L
RT: 2.790 min Scan# 451
Delta R.T. 0.000 min
Lab File: VU051643.D
Acq: 01 Nov 2022 04:57

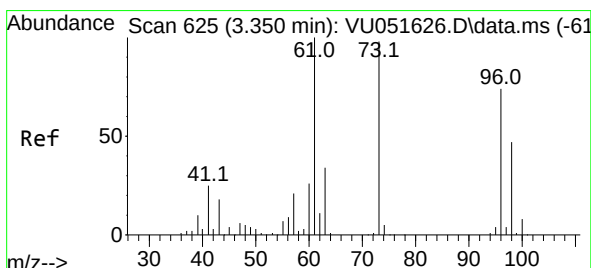
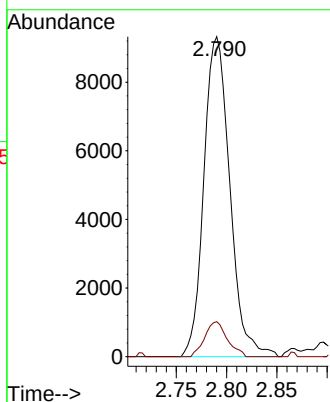
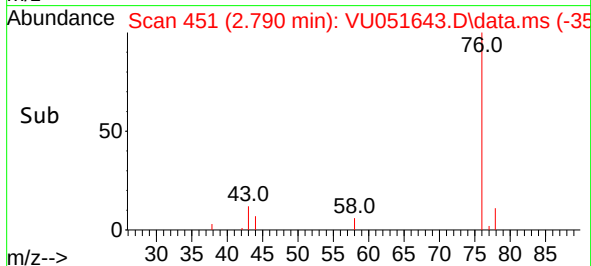
Instrument :
MSVOA_U
ClientSampleId :
BHA99



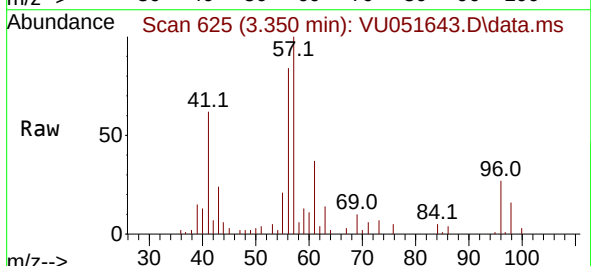
Tgt Ion: 76 Resp: 16758
Ion Ratio Lower Upper
76 100
78 10.9 7.4 11.2

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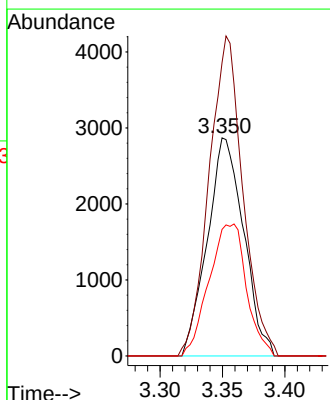
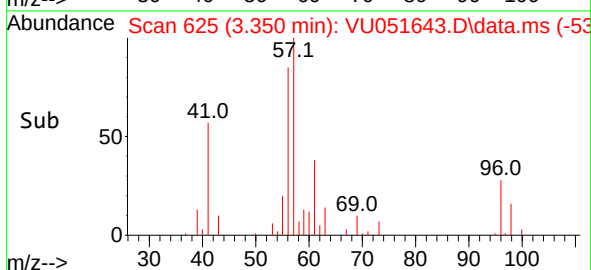
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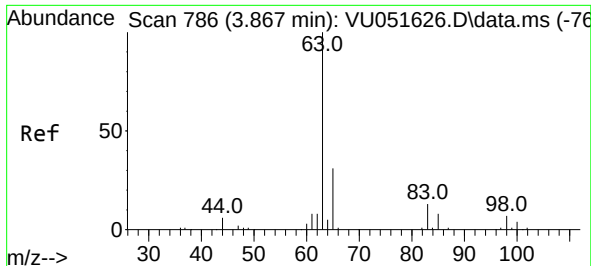


#18
trans-1,2-Dichloroethene
Concen: 0.300 ug/L
RT: 3.350 min Scan# 625
Delta R.T. 0.000 min
Lab File: VU051643.D
Acq: 01 Nov 2022 04:57



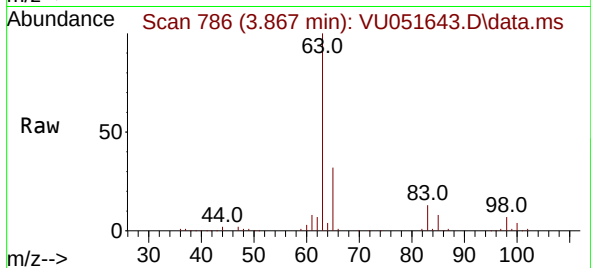
Tgt Ion: 96 Resp: 5808
Ion Ratio Lower Upper
96 100
61 134.4 94.7 175.9
98 58.0 44.2 82.0





#19
1,1-Dichloroethane
Concen: 21.905 ug/L
RT: 3.867 min Scan# 786
Delta R.T. 0.000 min
Lab File: VU051643.D
Acq: 01 Nov 2022 04:57

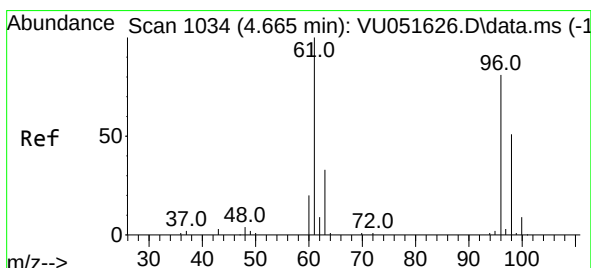
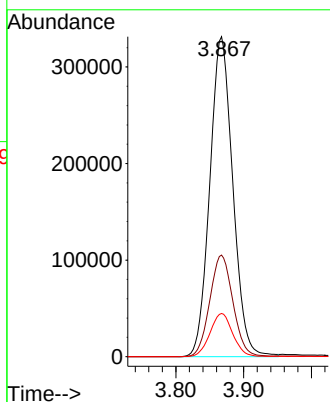
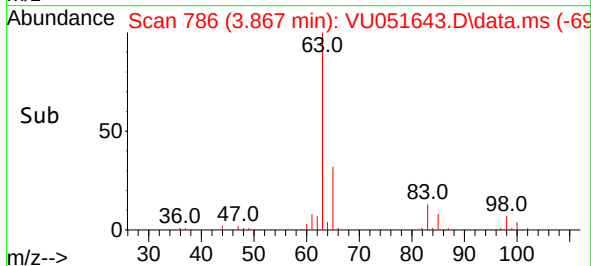
Instrument :
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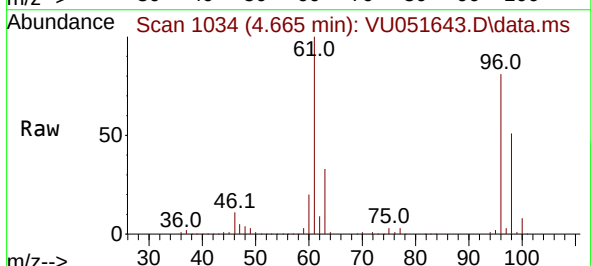
Tgt Ion: 63 Resp: 781828
Ion Ratio Lower Upper
63 100
65 31.8 22.7 42.1
83 13.5 9.2 17.0

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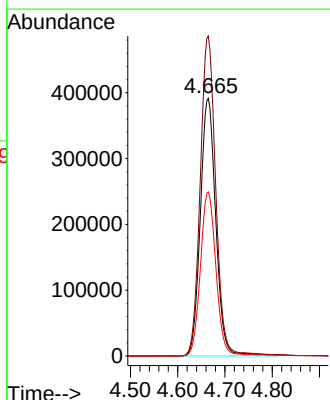
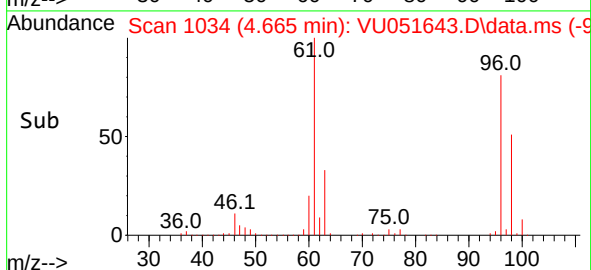
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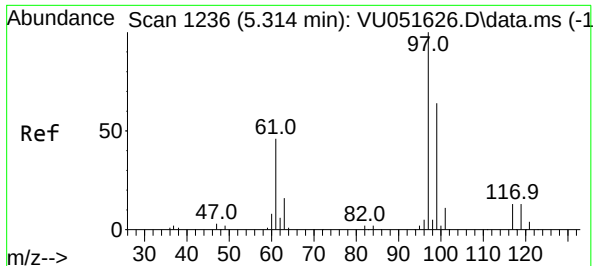


#22
cis-1,2-Dichloroethene
Concen: 41.671 ug/L
RT: 4.665 min Scan# 1034
Delta R.T. 0.000 min
Lab File: VU051643.D
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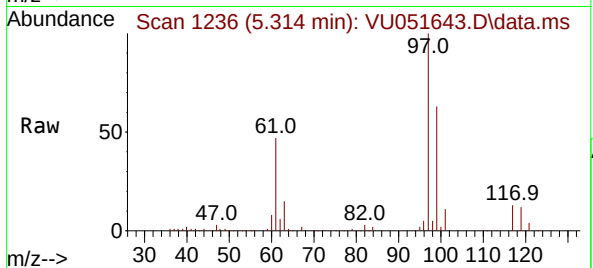
Tgt Ion: 96 Resp: 892236
Ion Ratio Lower Upper
96 100
61 124.2 86.4 160.4
98 63.7 44.2 82.2





#29
1,1,1-Trichloroethane
Concen: 4.105 ug/L
RT: 5.314 min Scan# 117324
Delta R.T. 0.000 min
Lab File: VU051643.D
Acq: 01 Nov 2022 04:57

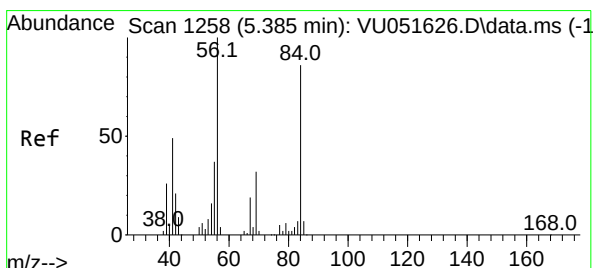
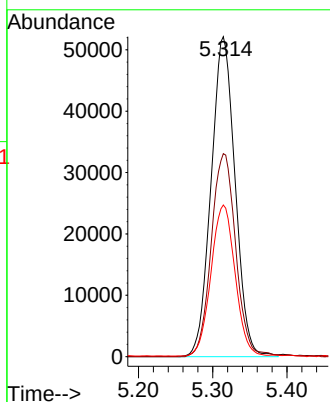
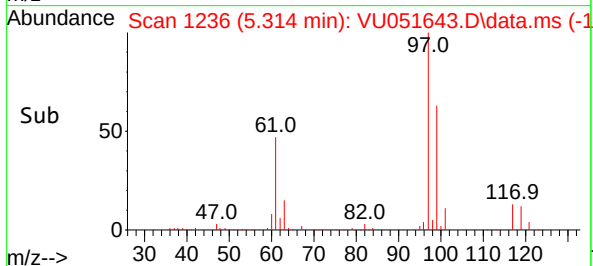
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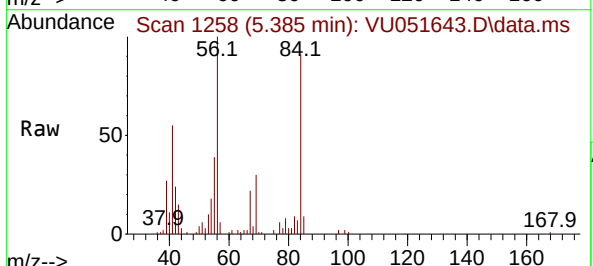
Tgt Ion: 97 Resp: 117324
Ion Ratio Lower Upper
97 100
99 65.1 51.1 76.7
61 47.2 37.4 56.0

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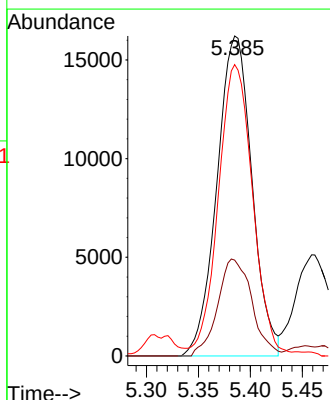
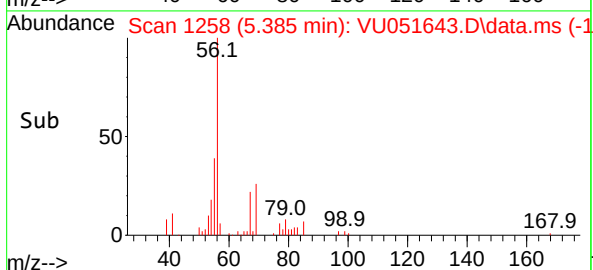
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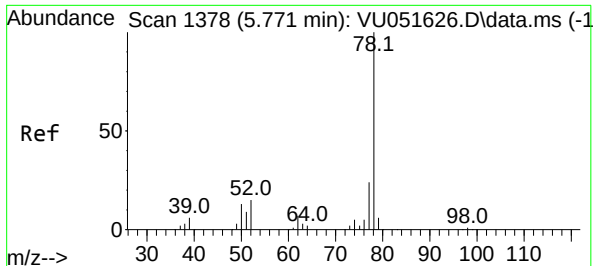


#30
Cyclohexane
Concen: 1.444 ug/L
RT: 5.385 min Scan# 1258
Delta R.T. 0.000 min
Lab File: VU051643.D
Acq: 01 Nov 2022 04:57



Tgt Ion: 56 Resp: 38014
Ion Ratio Lower Upper
56 100
69 29.6 25.4 38.0
84 90.1 71.4 107.0





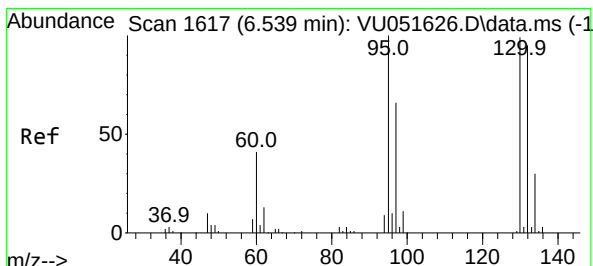
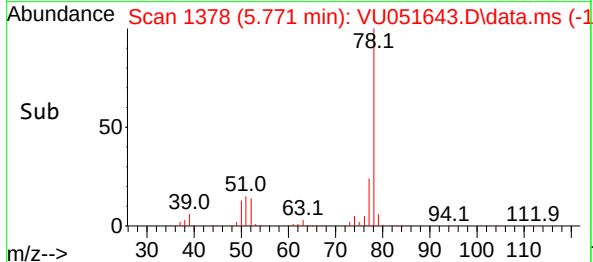
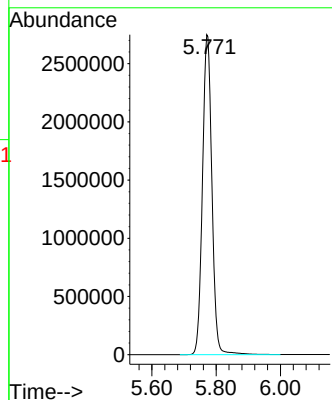
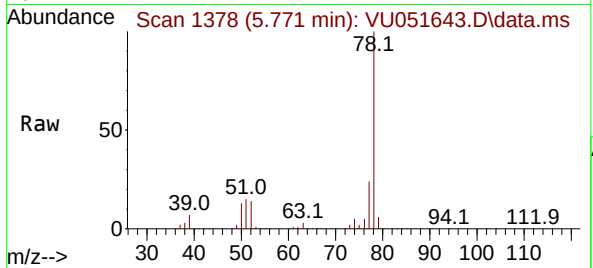
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Benzene
Concen: 67.338 ug/L
RT: 5.771 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU051643.D
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Tgt Ion: 78 Resp: 5594504

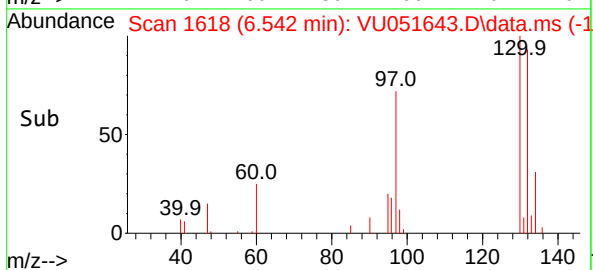
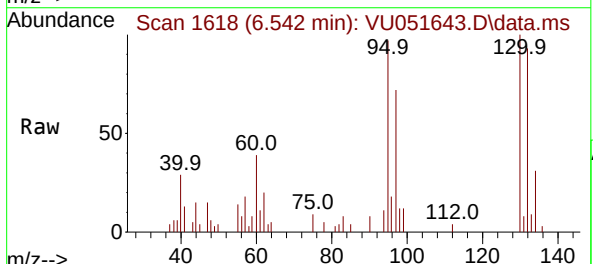
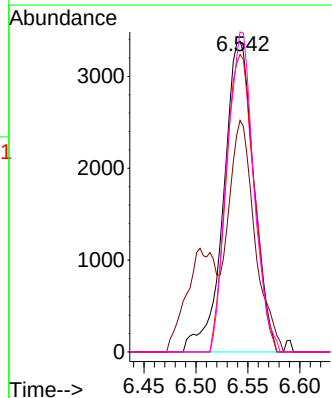
Manual Integrations
APPROVED

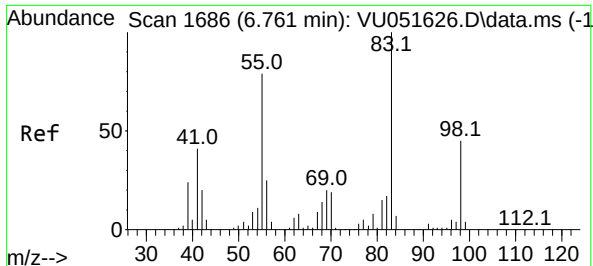
Reviewed By :Krupa Patel 11/01/2022
Supervised By :Mahesh Dadoda 11/03/2022



#34
Trichloroethene
Concen: 0.343 ug/L
RT: 6.542 min Scan# 1618
Delta R.T. 0.003 min
Lab File: VU051643.D
Acq: 01 Nov 2022 04:57

Tgt Ion: 95 Resp: 6869
Ion Ratio Lower Upper
95 100
97 74.5 45.2 84.0
132 95.7 66.5 123.5
130 103.0 68.3 126.8





#35

Methylcyclohexane

Concen: 2.720 ug/L

RT: 6.761 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU051643.D

Acq: 01 Nov 2022 04:57

Instrument :

MSVOA_U

ClientSampleId :

BHA99

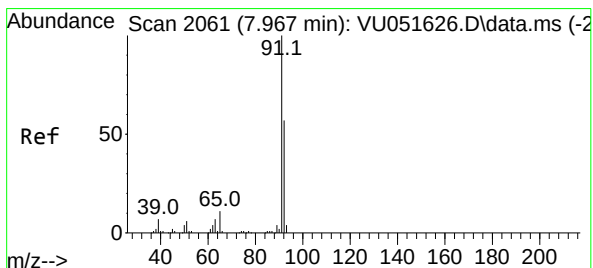
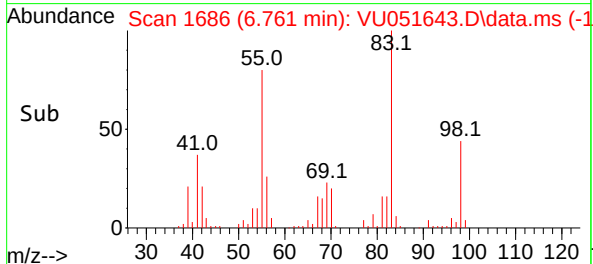
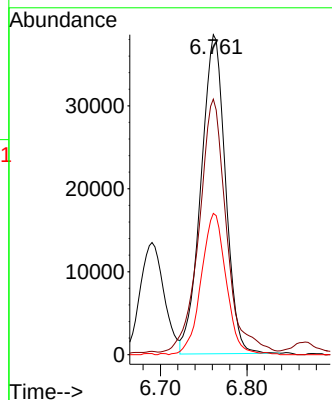
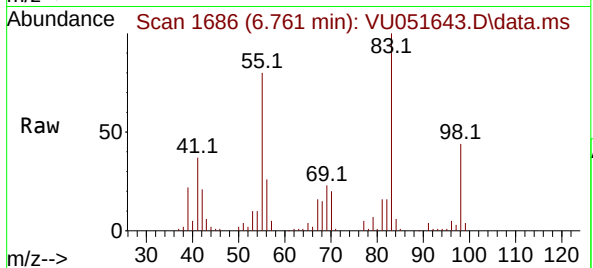
Tgt Ion: 83	Resp: 7539
Ion Ratio	Lower Upper
83 100	
55 88.3	60.6 90.8
98 45.1	35.8 53.6

Manual Integrations

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Reviewed By :Krupa Patel 11/01/2022

Supervised By :Mahesh Dadoda 11/03/2022



#42

Toluene

Concen: 196.554 ug/L m

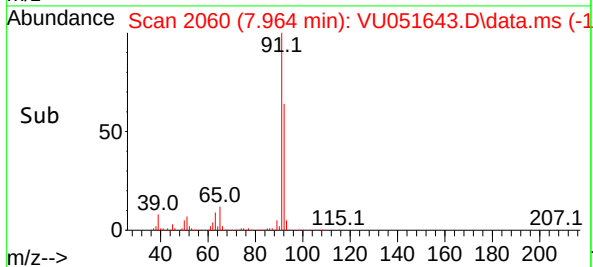
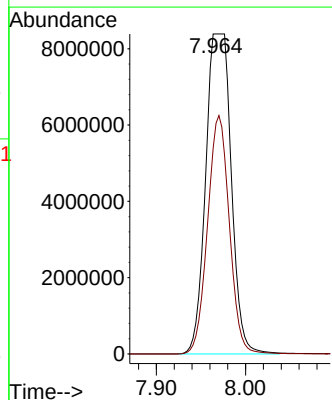
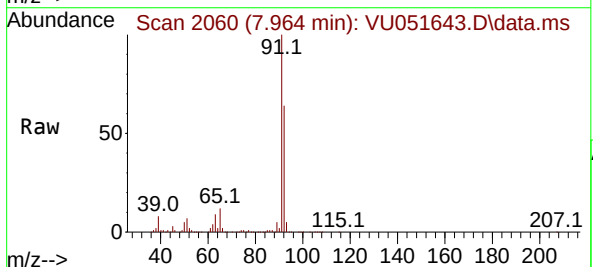
RT: 7.964 min Scan# 2060

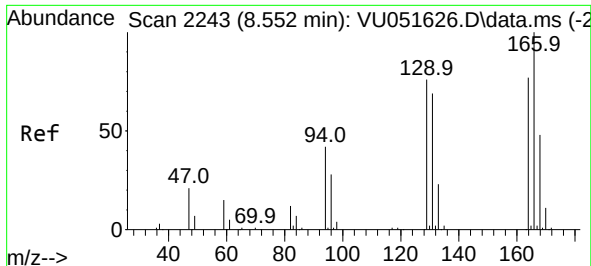
Delta R.T. -0.003 min

Lab File: VU051643.D

Acq: 01 Nov 2022 04:57

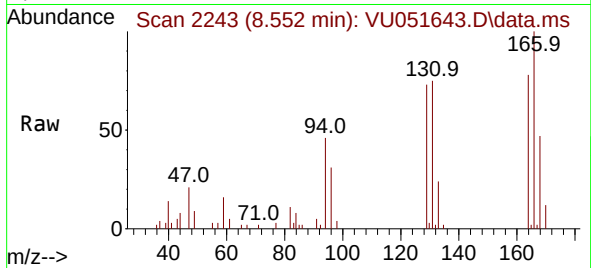
Tgt Ion: 91	Resp:16770689
Ion Ratio	Lower Upper
91 100	
92 64.3	40.5 75.3





#47
Tetrachloroethene
Concen: 0.553 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. 0.000 min
Lab File: VU051643.D
Acq: 01 Nov 2022 04:57

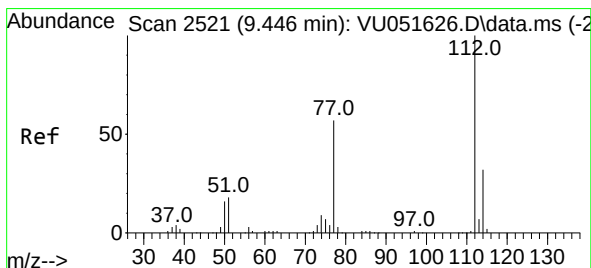
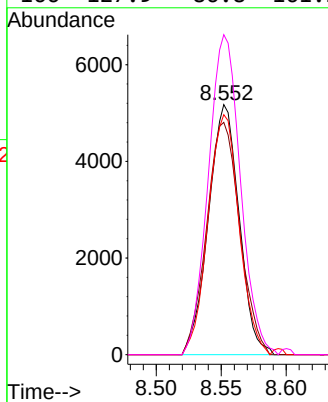
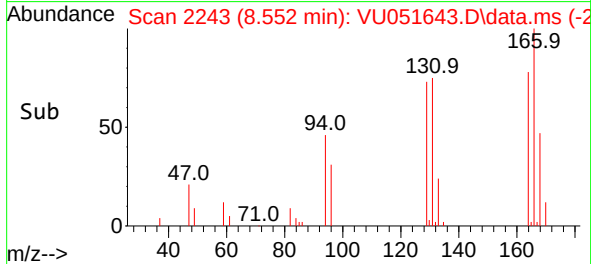
Instrument :
MSVOA_U
ClientSampleId :
BHA99



Tgt Ion:164 Resp: 848
Ion Ratio Lower Upper
164 100
129 92.9 64.0 118.8
131 96.0 60.7 112.7
166 127.9 86.8 161.2

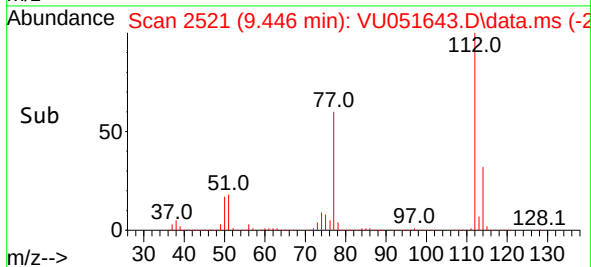
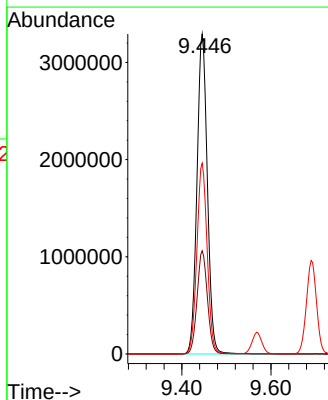
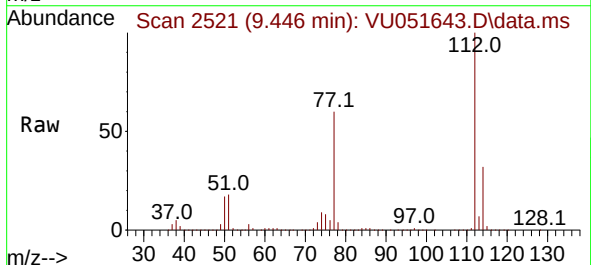
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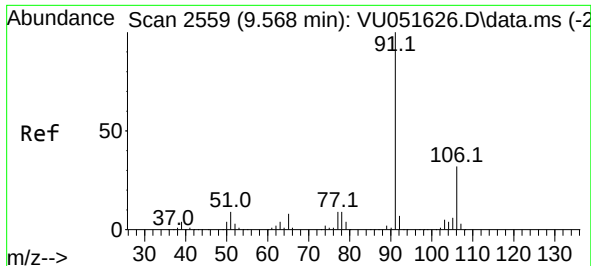
Reviewed By :Krupa Patel 11/01/2022
Supervised By :Mahesh Dadoda 11/03/2022



#51
Chlorobenzene
Concen: 99.898 ug/L
RT: 9.446 min Scan# 2521
Delta R.T. 0.000 min
Lab File: VU051643.D
Acq: 01 Nov 2022 04:57

Tgt Ion:112 Resp: 5364653
Ion Ratio Lower Upper
112 100
114 32.2 22.0 40.8
77 59.6 46.7 70.1





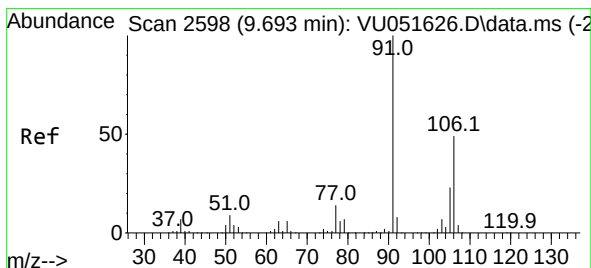
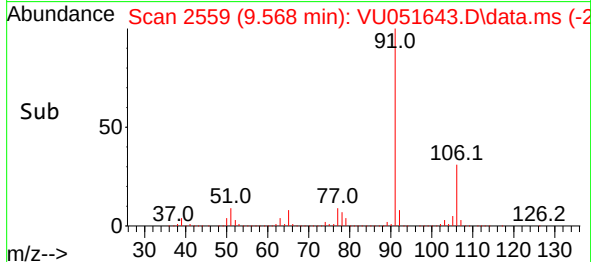
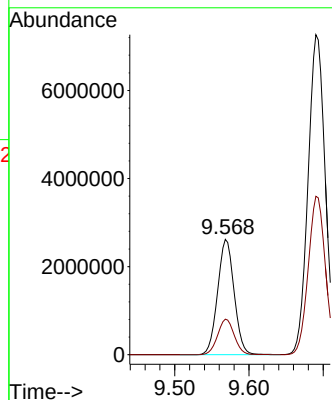
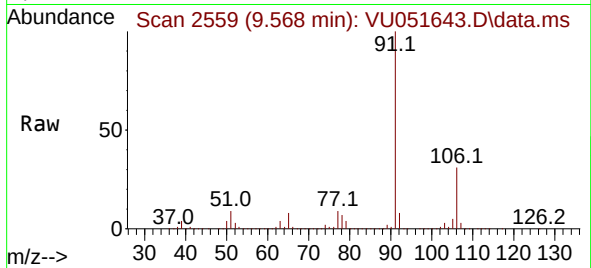
#52
Ethylbenzene
Concen: 49.246 ug/L
RT: 9.568 min Scan# 2559
Delta R.T. 0.000 min
Lab File: VU051643.D
Acq: 01 Nov 2022 04:57

Instrument :
MSVOA_U
ClientSampleId :
BHA99

Tgt Ion: 91 Resp: 4054274
Ion Ratio Lower Upper
91 100
106 30.8 21.8 40.6

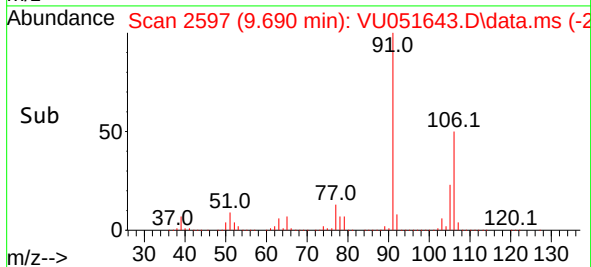
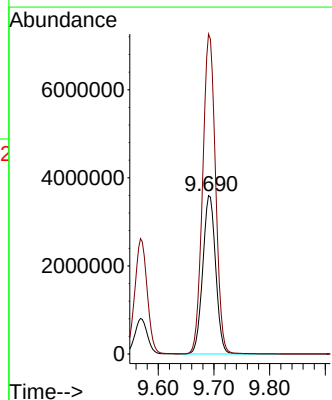
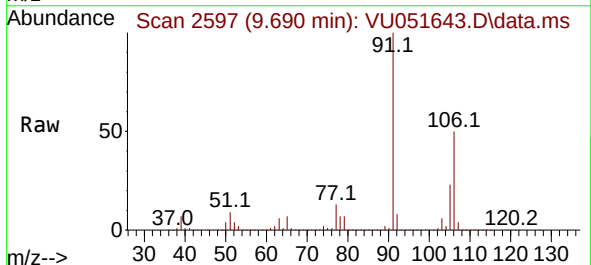
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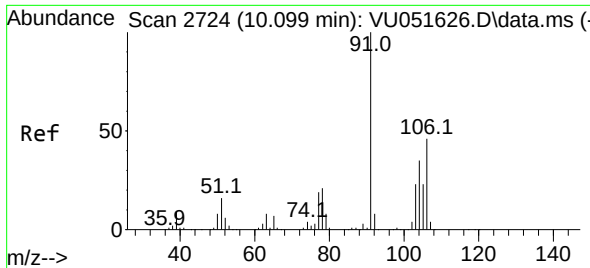
Reviewed By :Krupa Patel 11/01/2022
Supervised By :Mahesh Dadoda 11/03/2022



#53
m,p-Xylene
Concen: 181.177 ug/L
RT: 9.690 min Scan# 2597
Delta R.T. -0.003 min
Lab File: VU051643.D
Acq: 01 Nov 2022 04:57

Tgt Ion:106 Resp: 5793510
Ion Ratio Lower Upper
106 100
91 202.0 139.4 259.0





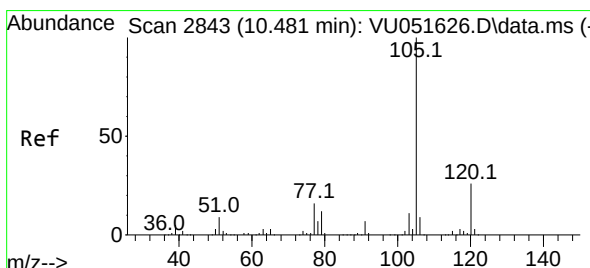
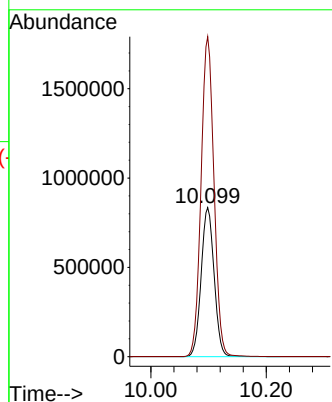
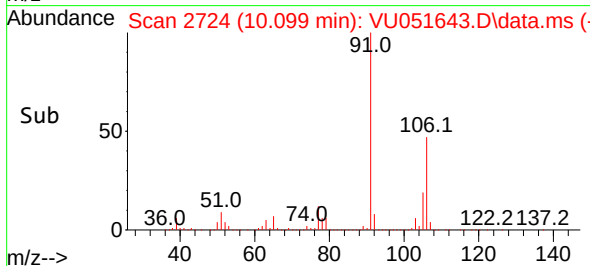
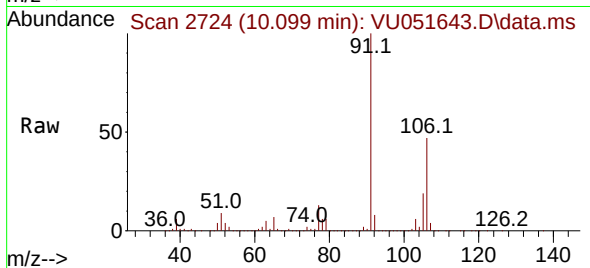
#54
o-Xylene
Concen: 41.563 ug/L
RT: 10.099 min Scan# 2724
Delta R.T. 0.000 min
Lab File: VU051643.D
Acq: 01 Nov 2022 04:57

Instrument :
MSVOA_U
ClientSampleId :
BHA99

Tgt Ion:106 Resp: 129890
Ion Ratio Lower Upper
106 100
91 214.6 149.2 277.2

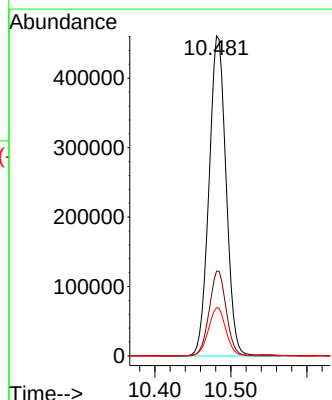
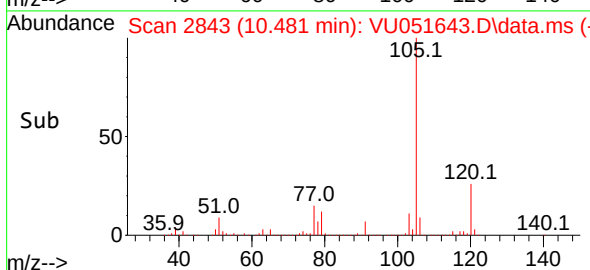
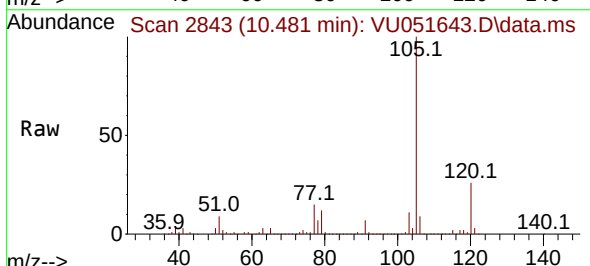
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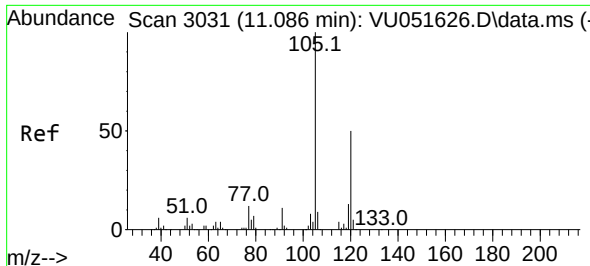
Reviewed By :Krupa Patel 11/01/2022
Supervised By :Mahesh Dadoda 11/03/2022



#60
Isopropylbenzene
Concen: 8.511 ug/L
RT: 10.481 min Scan# 2843
Delta R.T. 0.000 min
Lab File: VU051643.D
Acq: 01 Nov 2022 04:57

Tgt Ion:105 Resp: 716507
Ion Ratio Lower Upper
105 100
120 26.5 20.9 31.3
77 15.6 12.3 18.5





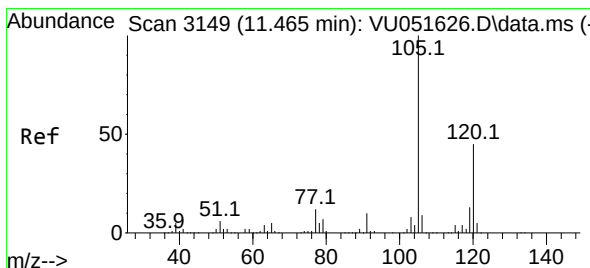
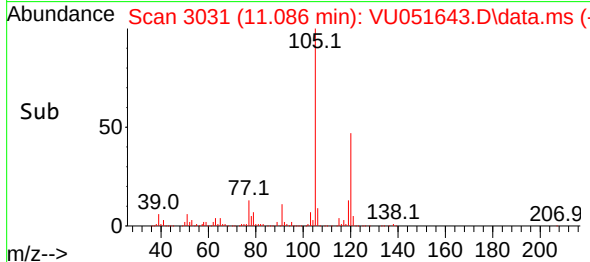
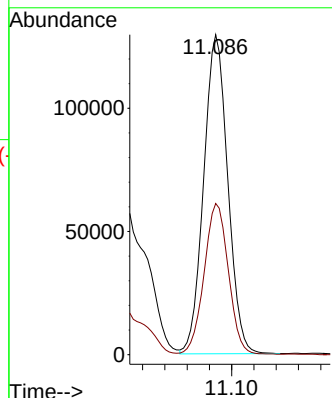
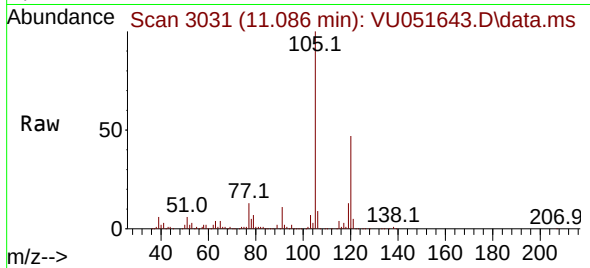
#62
1,3,5-Trimethylbenzene
Concen: 8.577 ug/L
RT: 11.086 min Scan# 3031
Delta R.T. 0.000 min
Lab File: VU051643.D
Acq: 01 Nov 2022 04:57

Instrument :
MSVOA_U
ClientSampleId :
BHA99

Tgt Ion:105 Resp: 194402
Ion Ratio Lower Upper
105 100
120 47.7 38.6 57.8

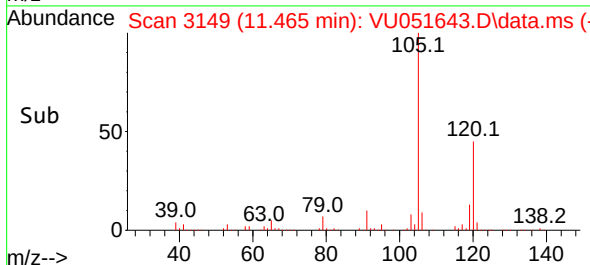
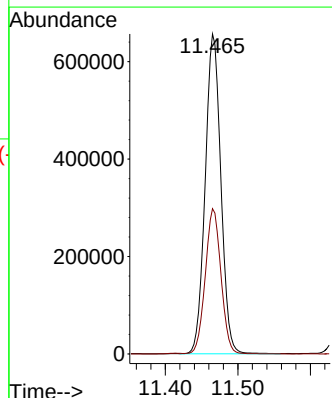
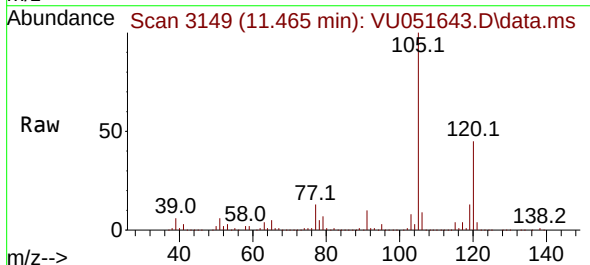
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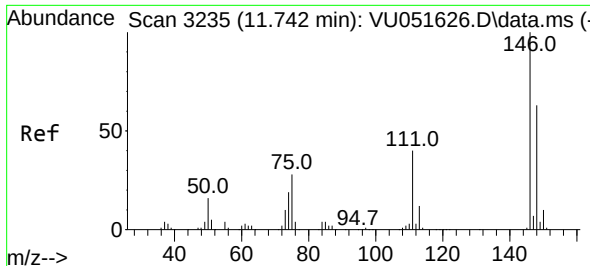
Reviewed By :Krupa Patel 11/01/2022
Supervised By :Mahesh Dadoda 11/03/2022



#63
1,2,4-Trimethylbenzene
Concen: 15.094 ug/L
RT: 11.465 min Scan# 3149
Delta R.T. 0.000 min
Lab File: VU051643.D
Acq: 01 Nov 2022 04:57

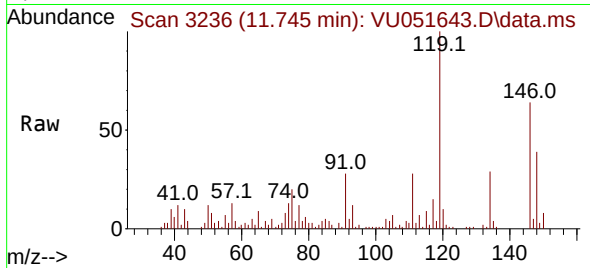
Tgt Ion:105 Resp: 986468
Ion Ratio Lower Upper
105 100
120 45.4 35.8 53.6





#64
1,3-Dichlorobenzene
Concen: 0.477 ug/L
RT: 11.745 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU051643.D
Acq: 01 Nov 2022 04:57

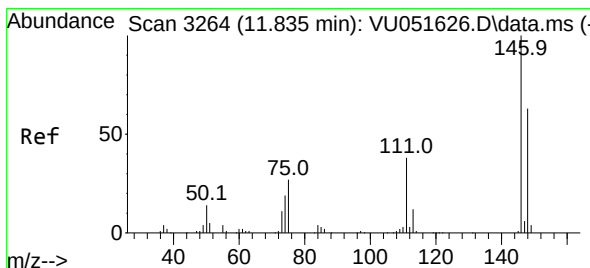
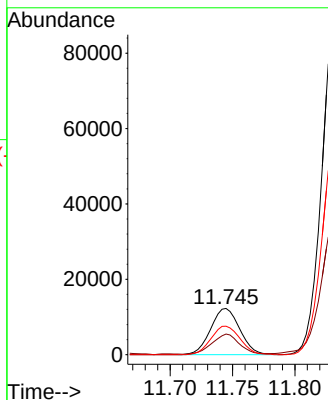
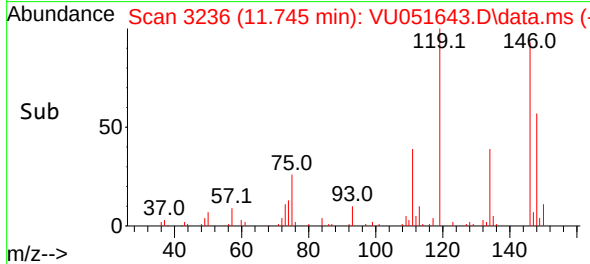
Instrument :
MSVOA_U
ClientSampleId :
BHA99



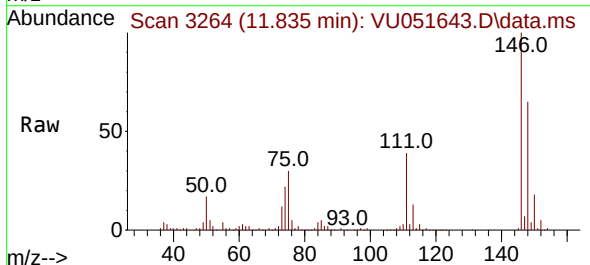
Tgt Ion:146 Resp: 1997
Ion Ratio Lower Upper
146 100
111 44.7 28.6 53.2
148 61.8 44.7 82.9

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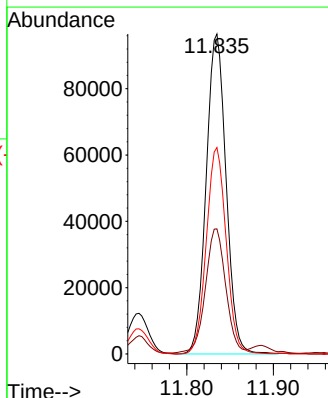
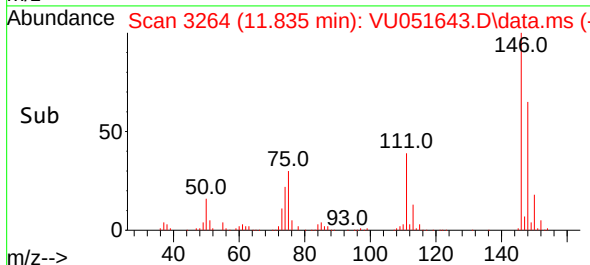
Reviewed By :Krupa Patel 11/01/2022
Supervised By :Mahesh Dadoda 11/03/2022

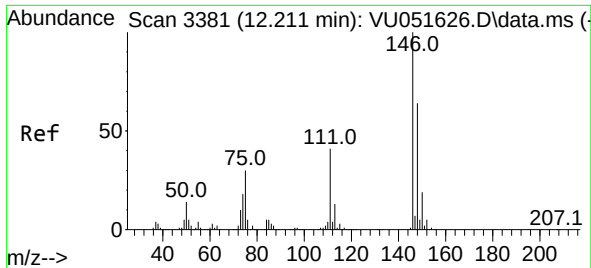


#65
1,4-Dichlorobenzene
Concen: 3.668 ug/L
RT: 11.835 min Scan# 3264
Delta R.T. 0.000 min
Lab File: VU051643.D
Acq: 01 Nov 2022 04:57



Tgt Ion:146 Resp: 154154
Ion Ratio Lower Upper
146 100
111 39.1 26.7 49.5
148 64.5 43.5 80.9





#67

1,2-Dichlorobenzene

Concen: 2.719 ug/L

RT: 12.211 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU051643.D

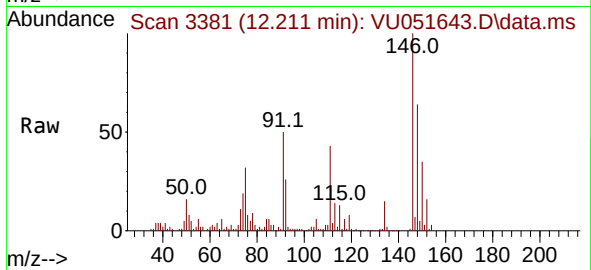
Acq: 01 Nov 2022 04:57

Instrument :

MSVOA_U

ClientSampleId :

BHA99



Tgt Ion:	146	Resp:	110992
Ion Ratio	Lower	Upper	
146	100		
111	42.8	34.2	51.2
148	64.1	50.1	75.1

Manual Integrations

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Reviewed By :Krupa Patel 11/01/2022

Supervised By :Mahesh Dadoda 11/03/2022

