

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042722\
 Data File : VU048323.D
 Acq On : 27 Apr 2022 18:33
 Operator : SY/MD
 Sample : N2587-11
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 EXET7

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 04/28/2022
 Supervised By :Mahesh Dadoda 04/28/2022

Quant Time: Apr 28 04:40:38 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM042522WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Apr 28 04:33:44 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	399846	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	423674	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	249691	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	160150	43.556	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	87.120%		
7) Chloroethane-d5	1.887	69	125319	48.556	ug/L	-0.02
Spiked Amount 50.000	Range 70 - 130		Recovery =	97.120%		
11) 1,1-Dichloroethene-d2	2.559	63	210720	35.767	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	71.540%		
21) 2-Butanone-d5	4.620	46	302720	96.530	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	96.530%		
24) Chloroform-d	5.060	84	298054	44.691	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	89.380%		
26) 1,2-Dichloroethane-d4	5.700	65	189012	47.766	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	95.540%		
32) Benzene-d6	5.726	84	650716	48.699	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	97.400%		
36) 1,2-Dichloropropane-d6	6.690	67	206997	46.858	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	93.720%		
41) Toluene-d8	7.896	98	605829	50.019	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	100.040%		
43) trans-1,3-Dichloroprop...	8.179	79	99022	50.800	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	101.600%		
47) 2-Hexanone-d5	8.636	63	278049	116.662	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	116.660%		
56) 1,1,2,2-Tetrachloroeth...	10.758	84	363176	46.876	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	93.760%		
66) 1,2-Dichlorobenzene-d4	12.195	152	277199	49.351	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	98.700%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.382	85	1882	0.623	ug/L	90
5) Vinyl chloride	1.604	62	108787	31.217	ug/L #	64
12) 1,1-Dichloroethene	2.568	96	5353	2.036	ug/L #	1
13) Acetone	2.626	43	11339	5.632	ug/L	98
14) Carbon disulfide	2.787	76	6499	1.014	ug/L	96
17) trans-1,2-Dichloroethene	3.350	96	6596	2.415	ug/L	97
19) 1,1-Dichloroethane	3.867	63	37335	6.537	ug/L	96
20) cis-1,2-Dichloroethene	4.665	96	6613	2.009	ug/L	96
22) 2-Butanone	4.716	43	5681	1.908	ug/L	96
29) Cyclohexane	5.391	56	17799	4.446	ug/L	99
33) Benzene	5.771	78	18173624m	1448.806	ug/L	
34) Trichloroethene	6.539	95	13080	4.254	ug/L	96
35) Methylcyclohexane	6.761	83	13500	3.127	ug/L #	57
40) 4-Methyl-2-pentanone	7.796	43	7456	1.385	ug/L #	86
42) Toluene	7.970	91	952439	72.320	ug/L	99
51) Chlorobenzene	9.446	112	16785193m	1768.196	ug/L	
52) Ethylbenzene	9.571	91	99056	7.263	ug/L	100
53) m,p-Xylene	9.693	106	64942	12.066	ug/L	100
54) o-Xylene	10.102	106	69247	12.771	ug/L	94

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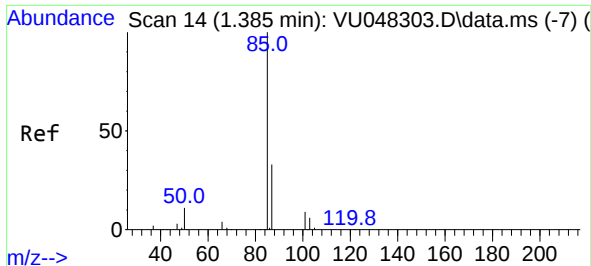
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
62) 1,3,5-Trimethylbenzene	11.089	105	11974	1.627	ug/L	97
63) 1,2,4-Trimethylbenzene	11.468	105	42881	3.790	ug/L	99
64) 1,3-Dichlorobenzene	11.748	146	6351	0.811	ug/L	93
65) 1,4-Dichlorobenzene	11.838	146	38166	4.776	ug/L	96
67) 1,2-Dichlorobenzene	12.214	146	144453	17.519	ug/L	98

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



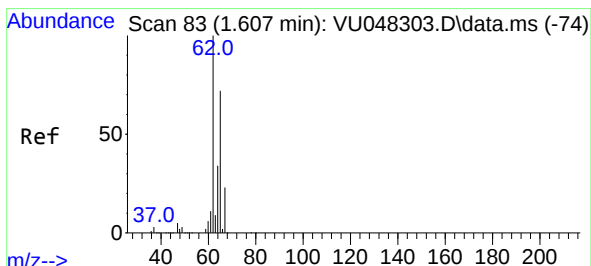
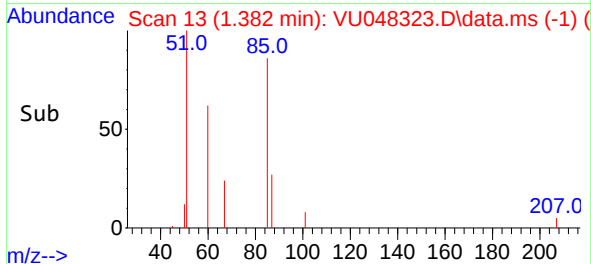
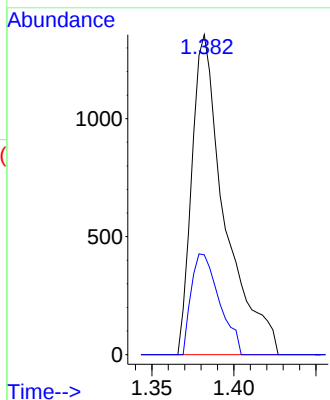
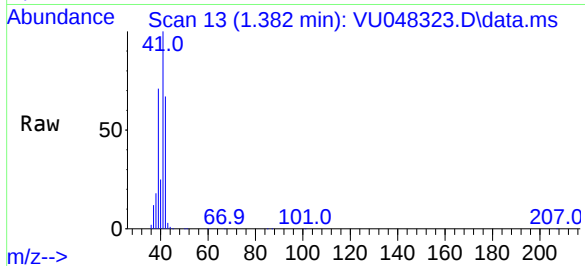
#2
Dichlorodifluoromethane
Concen: 0.623 ug/L
RT: 1.382 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU048323.D
Acq: 27 Apr 2022 18:33

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MSVOA_U
ClientSampleId :
EXET7

Tgt Ion: 85 Resp: 188
Ion Ratio Lower Upper
85 100
87 27.0 26.1 39.1

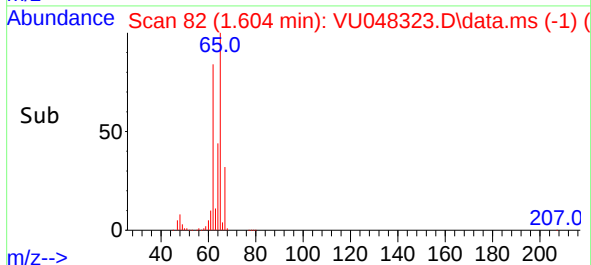
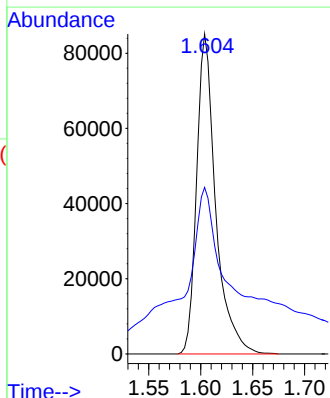
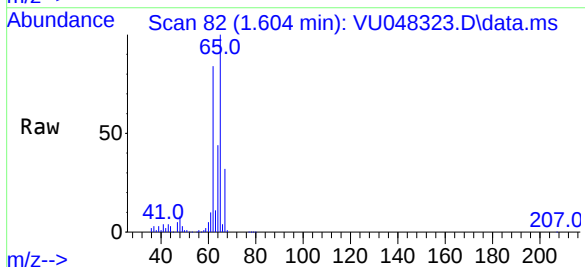
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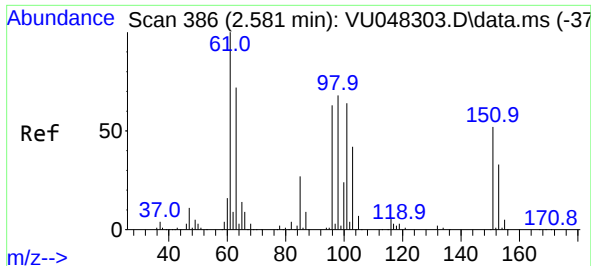
Reviewed By :Krupa Patel 04/28/2022
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#5
Vinyl chloride
Concen: 31.217 ug/L
RT: 1.604 min Scan# 82
Delta R.T. -0.003 min
Lab File: VU048323.D
Acq: 27 Apr 2022 18:33

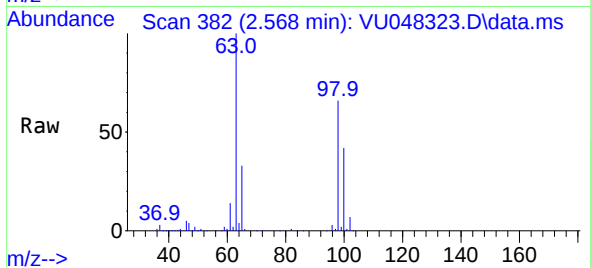
Tgt Ion: 62 Resp: 108787
Ion Ratio Lower Upper
62 100
64 52.1 22.5 41.7#





#12
1,1-Dichloroethene
Concen: 2.036 ug/L
RT: 2.568 min Scan# 382
Delta R.T. -0.013 min
Lab File: VU048323.D
Acq: 27 Apr 2022 18:33

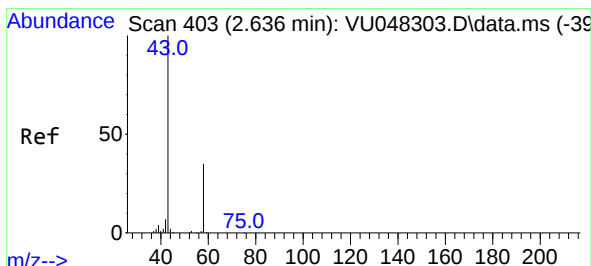
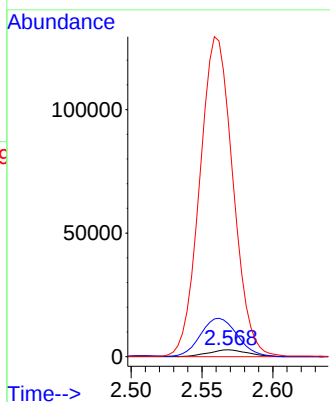
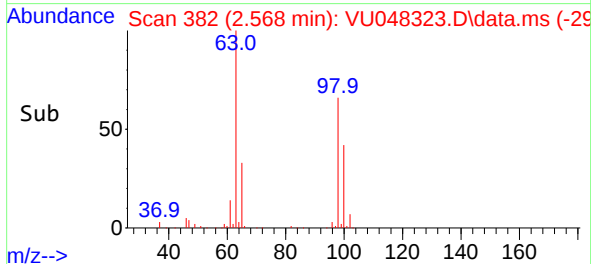
Instrument : MSVOA_U
ClientSampleId : EXET7



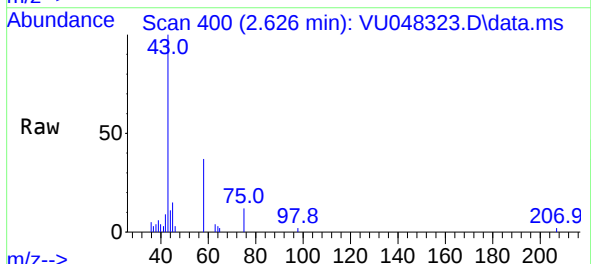
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Ion Ratio Lower Upper
96 100
61 480.4 107.9 200.3
63 3450.9 80.3 149.1

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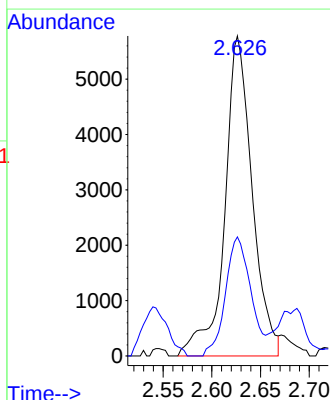
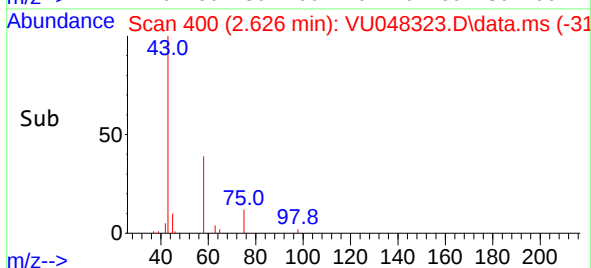
Reviewed By :Krupa Patel 04/28/2022
Supervised By :Mahesh Dadoda 04/28/2022

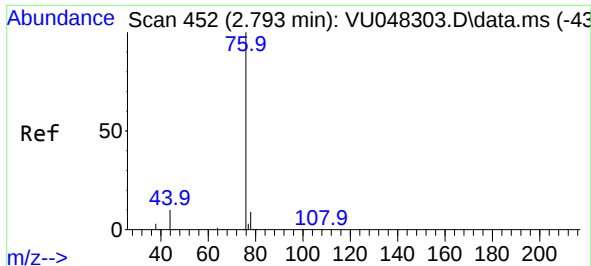


#13
Acetone
Concen: 5.632 ug/L
RT: 2.626 min Scan# 400
Delta R.T. -0.009 min
Lab File: VU048323.D
Acq: 27 Apr 2022 18:33



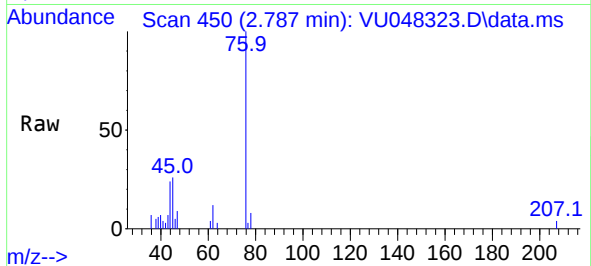
Tgt Ion: 43 Resp: 11339
Ion Ratio Lower Upper
43 100
58 34.2 0.0 71.2





#14
Carbon disulfide
Concen: 1.014 ug/L
RT: 2.787 min Scan# 41
Delta R.T. -0.006 min
Lab File: VU048323.D
Acq: 27 Apr 2022 18:33

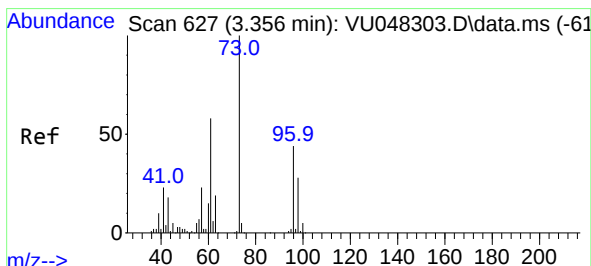
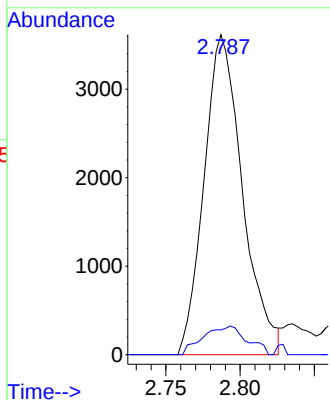
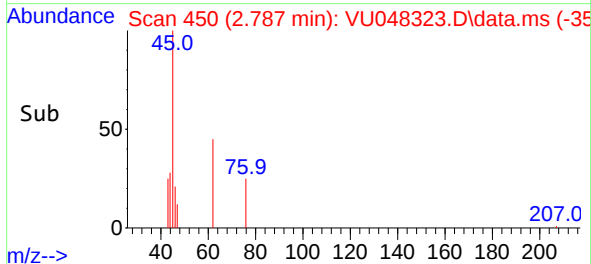
Instrument :
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ClientSampleId :
EXET7



Tgt Ion: 76 Resp: 6499
Ion Ratio Lower Upper
76 100
78 7.8 7.4 11.2

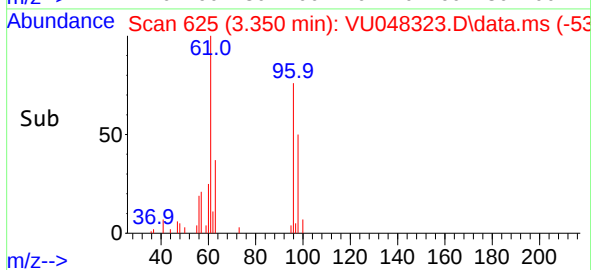
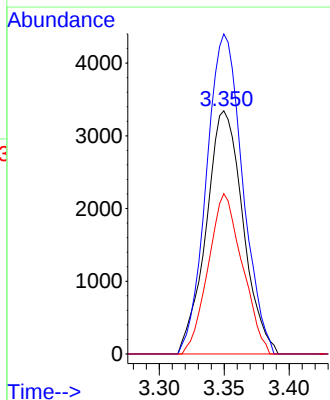
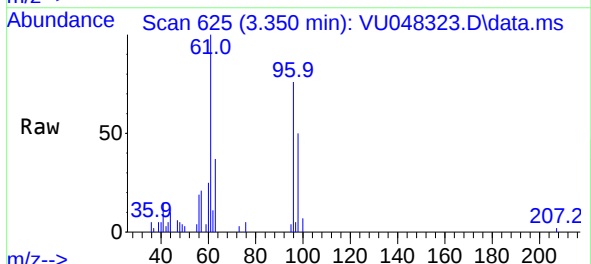
Manual Integrations
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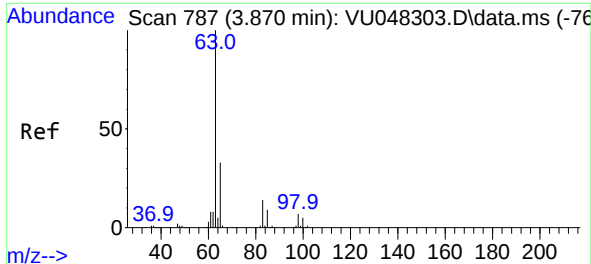
Reviewed By :Krupa Patel 04/28/2022
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#17
trans-1,2-Dichloroethene
Concen: 2.415 ug/L
RT: 3.350 min Scan# 625
Delta R.T. -0.006 min
Lab File: VU048323.D
Acq: 27 Apr 2022 18:33

Tgt Ion: 96 Resp: 6596
Ion Ratio Lower Upper
96 100
61 131.6 95.2 176.8
98 65.9 44.7 83.1





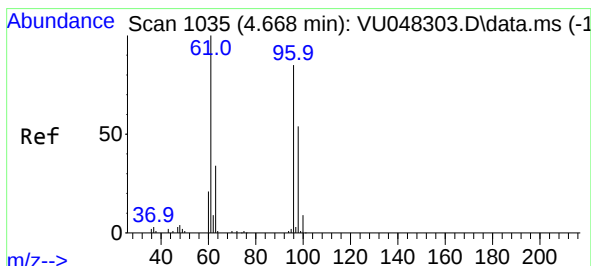
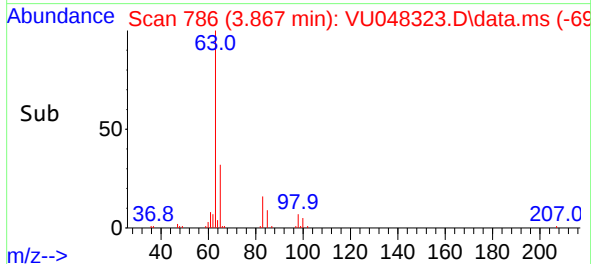
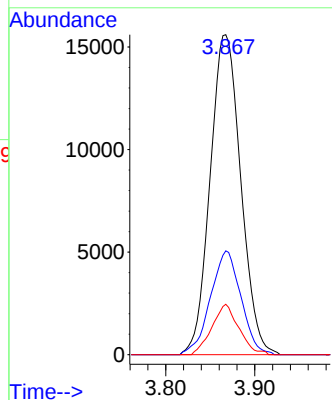
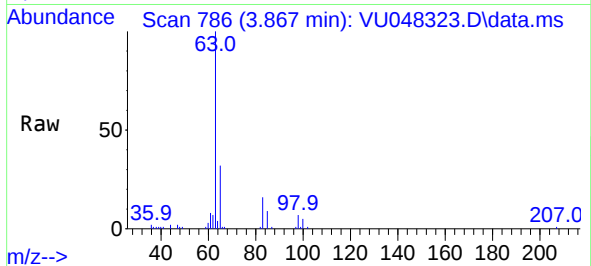
#19
1,1-Dichloroethane
Concen: 6.537 ug/L
RT: 3.867 min Scan# 786
Delta R.T. -0.003 min
Lab File: VU048323.D
Acq: 27 Apr 2022 18:33

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Tgt Ion: 63 Resp: 3733
Ion Ratio Lower Upper
63 100
65 32.4 22.0 40.8
83 15.7 8.8 16.4

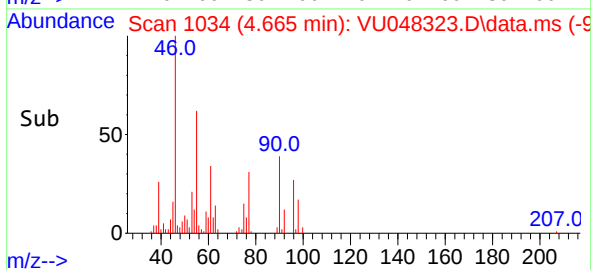
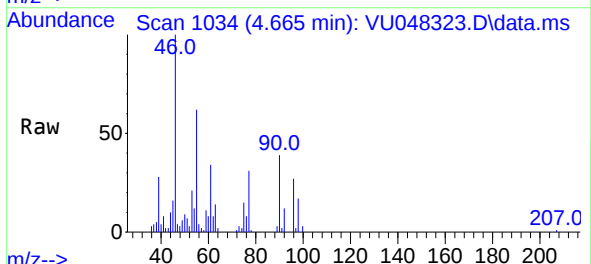
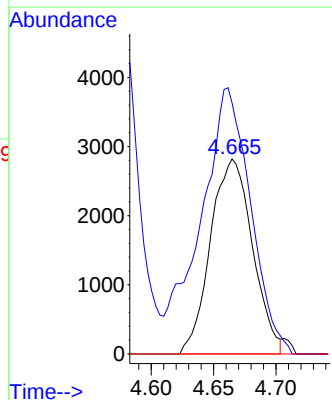
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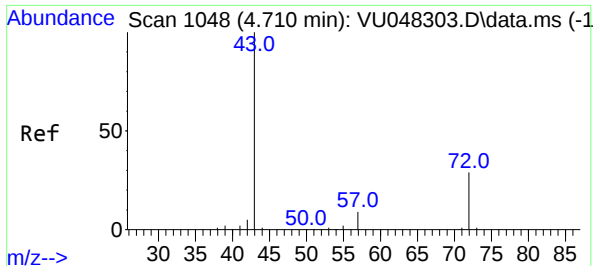
Reviewed By :Krupa Patel 04/28/2022
Supervised By :Mahesh Dadoda 04/28/2022



#20
cis-1,2-Dichloroethene
Concen: 2.009 ug/L
RT: 4.665 min Scan# 1034
Delta R.T. -0.003 min
Lab File: VU048323.D
Acq: 27 Apr 2022 18:33

Tgt Ion: 96 Resp: 6613
Ion Ratio Lower Upper
96 100
61 128.8 87.0 161.6
68 0.0 0.0 0.0





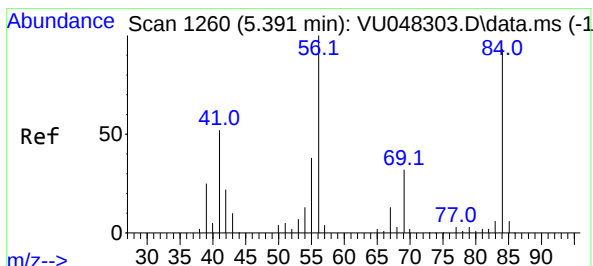
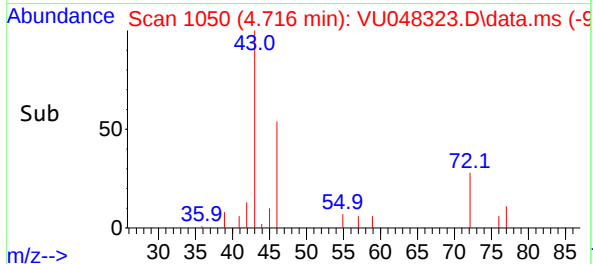
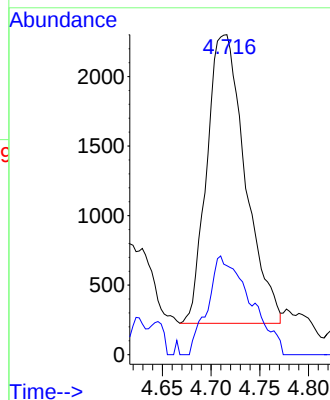
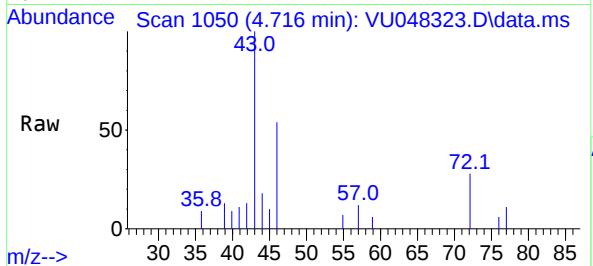
#22
2-Butanone
Concen: 1.908 ug/L
RT: 4.716 min Scan# 1048
Delta R.T. 0.007 min
Lab File: VU048323.D
Acq: 27 Apr 2022 18:33

Instrument :
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Tgt Ion: 43 Resp: 568
Ion Ratio Lower Upper
43 100
72 31.1 14.6 43.8

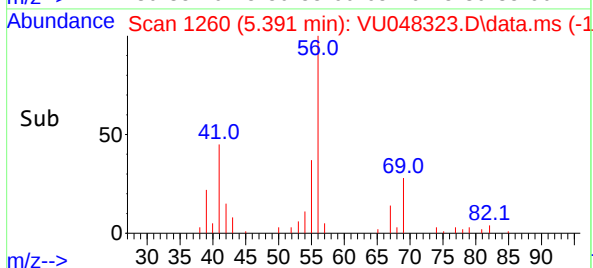
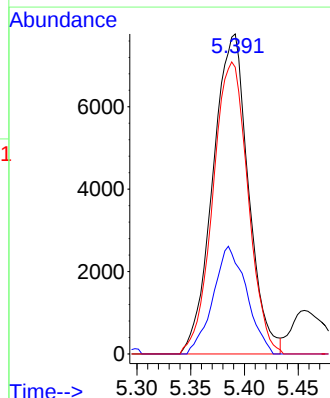
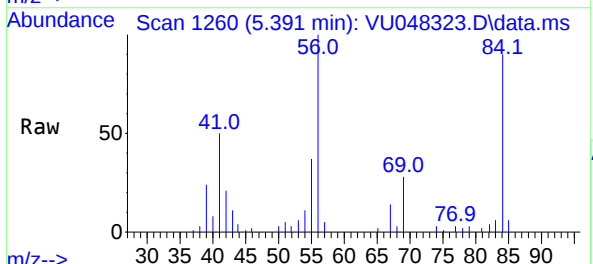
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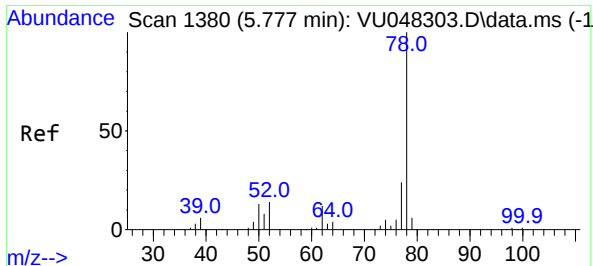
Reviewed By :Krupa Patel 04/28/2022
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#29
Cyclohexane
Concen: 4.446 ug/L
RT: 5.391 min Scan# 1260
Delta R.T. 0.000 min
Lab File: VU048323.D
Acq: 27 Apr 2022 18:33

Tgt Ion: 56 Resp: 17799
Ion Ratio Lower Upper
56 100
69 31.8 24.2 36.4
84 90.2 72.2 108.2





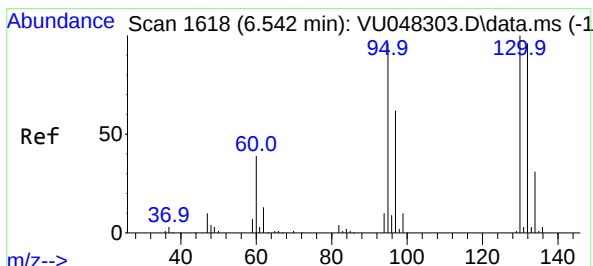
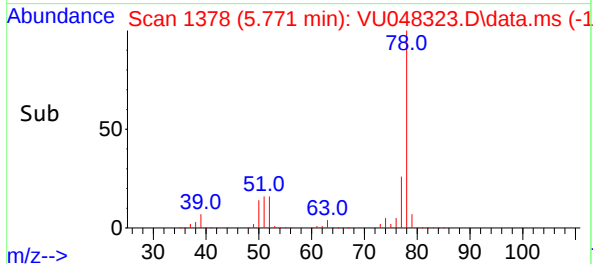
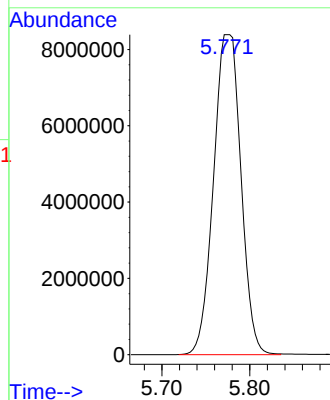
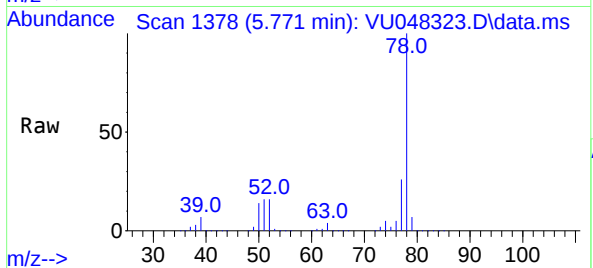
#33
Benzene
Concen: 1448.806 ug/L m
RT: 5.771 min Scan# 11
Delta R.T. -0.006 min
Lab File: VU048323.D
Acq: 27 Apr 2022 18:33

Instrument :
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Tgt Ion: 78 Resp:18173624

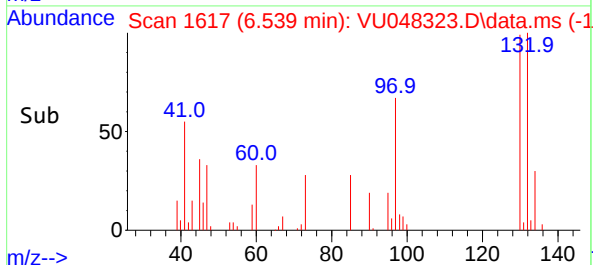
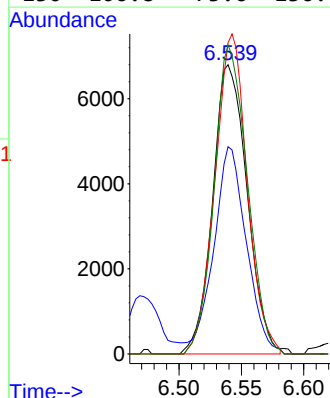
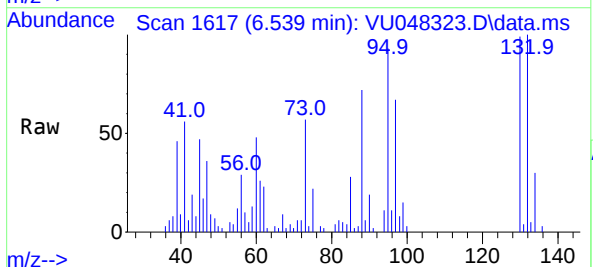
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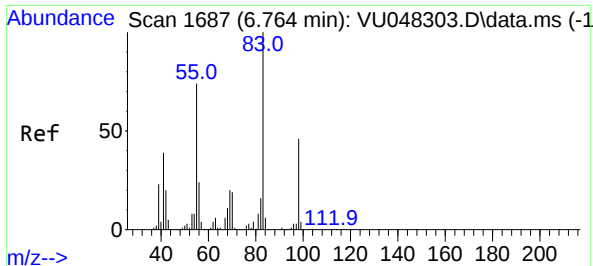
Reviewed By :Krupa Patel 04/28/2022
Supervised By :Mahesh Dadoda 04/28/2022



#34
Trichloroethene
Concen: 4.254 ug/L
RT: 6.539 min Scan# 1617
Delta R.T. -0.003 min
Lab File: VU048323.D
Acq: 27 Apr 2022 18:33

Tgt Ion: 95 Resp: 13080
Ion Ratio Lower Upper
95 100
97 71.6 45.8 85.2
132 107.6 71.6 133.0
130 106.8 73.6 136.8





#35

Methylcyclohexane

Concen: 3.127 ug/L

RT: 6.761 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU048323.D

Acq: 27 Apr 2022 18:33

Instrument :

MSVOA_U

ClientSampleId :

EXET7

Tgt Ion: 83 Resp: 13500

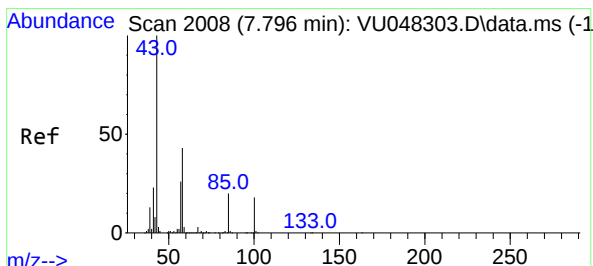
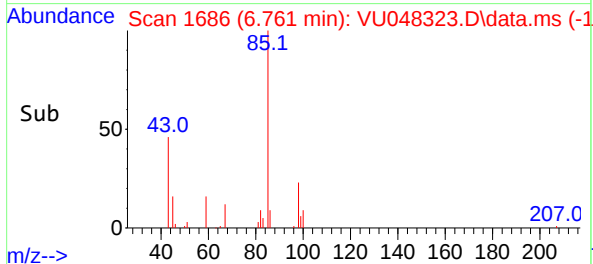
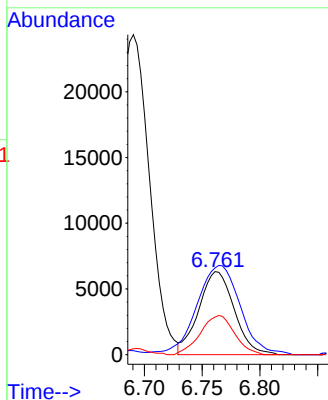
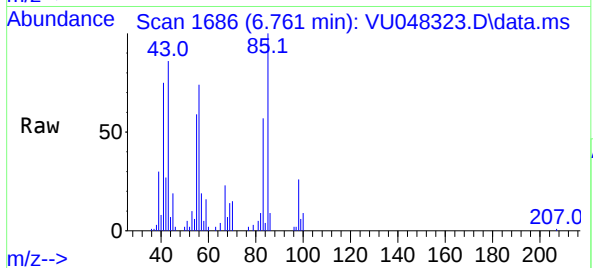
Ion	Ratio	Lower	Upper
83	100		
55	132.4	59.4	89.2
98	45.4	37.3	55.9

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 04/28/2022

Supervised By :Mahesh Dadoda 04/28/2022



#40

4-Methyl-2-pentanone

Concen: 1.385 ug/L

RT: 7.796 min Scan# 2008

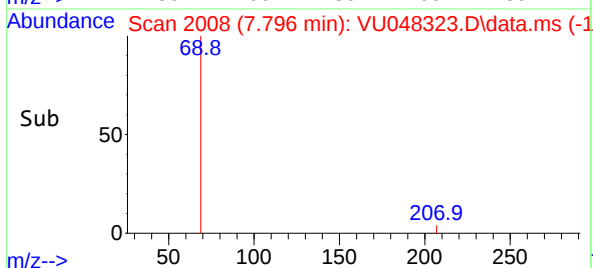
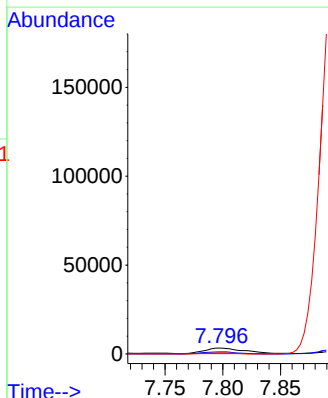
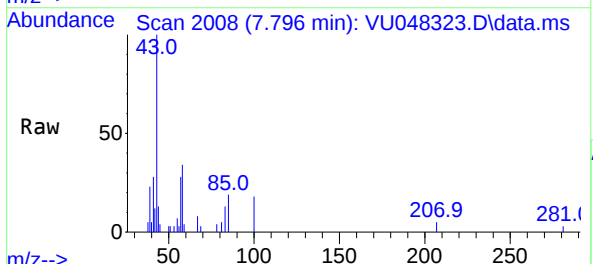
Delta R.T. 0.000 min

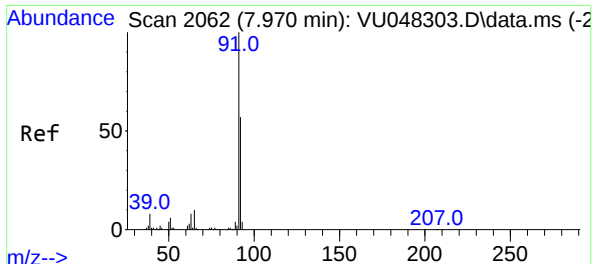
Lab File: VU048323.D

Acq: 27 Apr 2022 18:33

Tgt Ion: 43 Resp: 7456

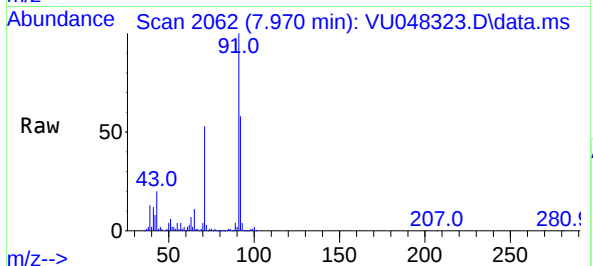
Ion	Ratio	Lower	Upper
43	100		
58	32.2	34.4	51.6
100	13.8	13.6	20.4





#42
Toluene
Concen: 72.320 ug/L
RT: 7.970 min Scan# 2062
Delta R.T. 0.000 min
Lab File: VU048323.D
Acq: 27 Apr 2022 18:33

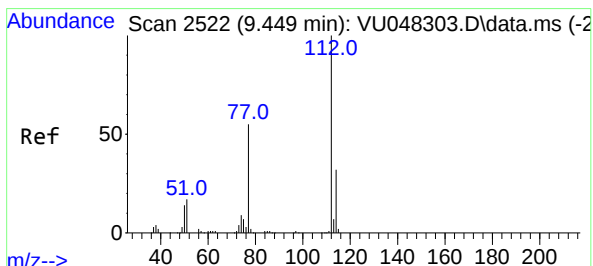
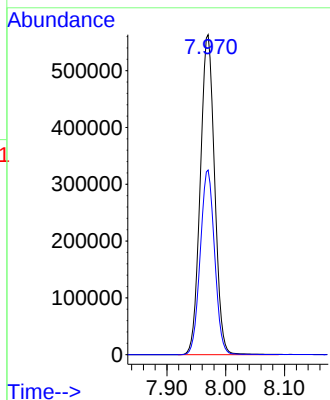
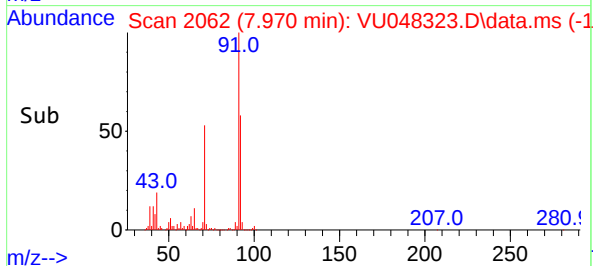
Instrument :
MSVOA_U
ClientSampleId :
EXET7



Tgt Ion: 91 Resp: 952439
Ion Ratio Lower Upper
91 100
92 57.7 40.9 76.0

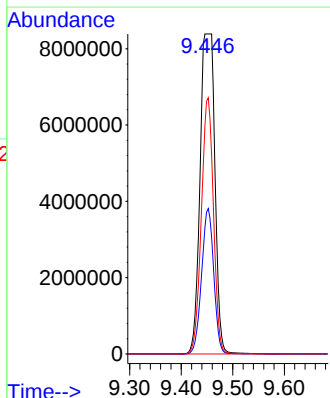
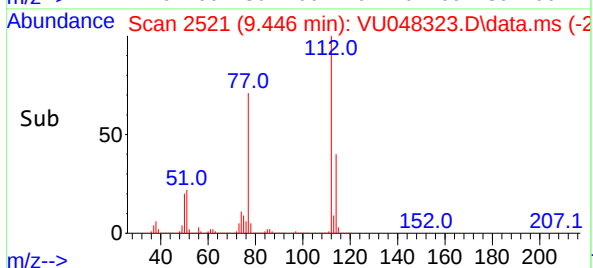
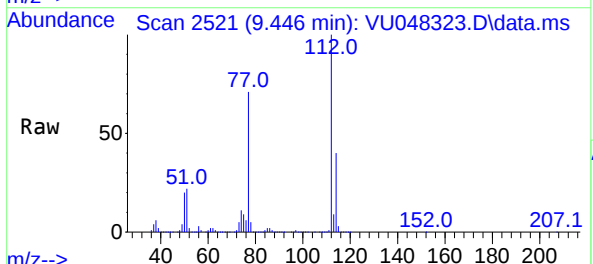
Manual Integrations
APPROVED

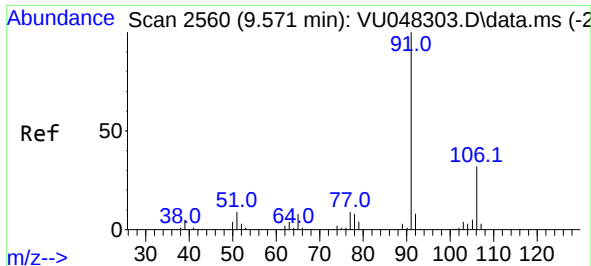
Reviewed By :Krupa Patel 04/28/2022
Supervised By :Mahesh Dadoda 04/28/2022



#51
Chlorobenzene
Concen: 1768.196 ug/L m
RT: 9.446 min Scan# 2521
Delta R.T. -0.003 min
Lab File: VU048323.D
Acq: 27 Apr 2022 18:33

Tgt Ion:112 Resp:16785193
Ion Ratio Lower Upper
112 100
114 39.5 22.7 42.1
77 71.2 44.3 66.5#





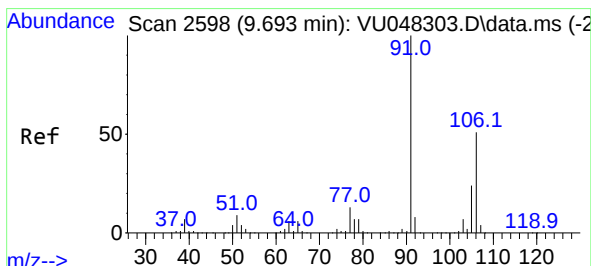
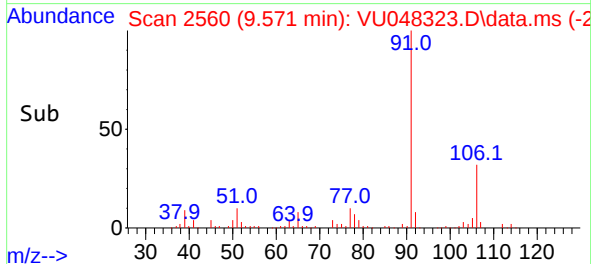
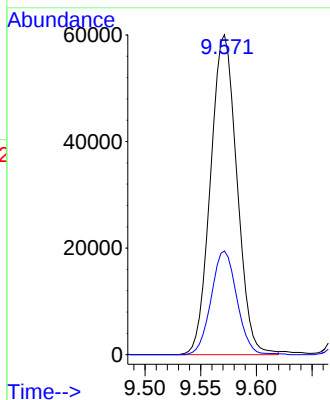
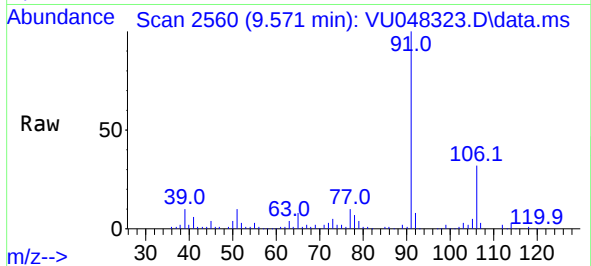
#52
Ethylbenzene
Concen: 7.263 ug/L
RT: 9.571 min Scan# 2560
Delta R.T. 0.000 min
Lab File: VU048323.D
Acq: 27 Apr 2022 18:33

Instrument :
MSVOA_U
ClientSampleId :
EXET7

Tgt Ion: 91 Resp: 99056
Ion Ratio Lower Upper
91 100
106 32.4 22.5 41.9

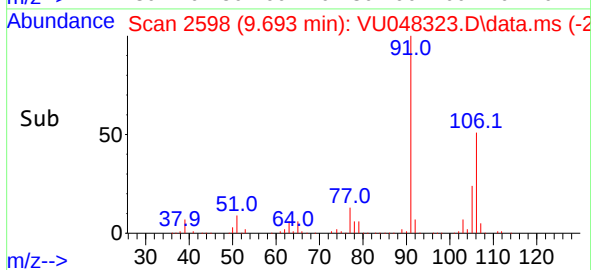
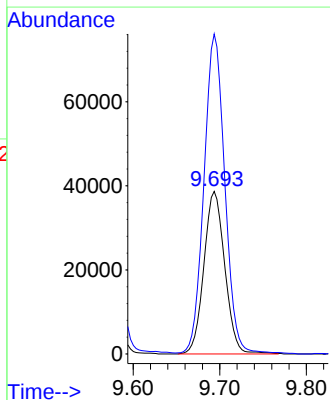
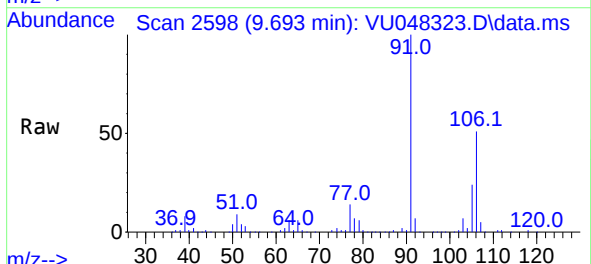
Manual Integrations
APPROVED

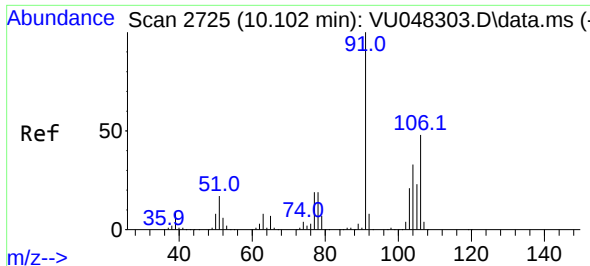
Reviewed By :Krupa Patel 04/28/2022
Supervised By :Mahesh Dadoda 04/28/2022



#53
m,p-Xylene
Concen: 12.066 ug/L
RT: 9.693 min Scan# 2598
Delta R.T. 0.000 min
Lab File: VU048323.D
Acq: 27 Apr 2022 18:33

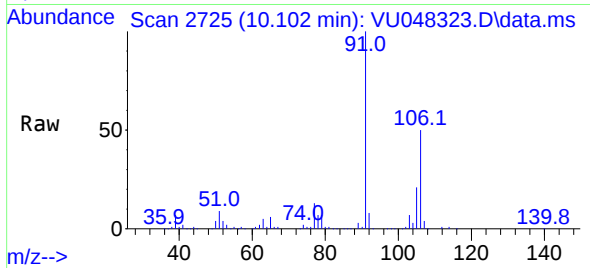
Tgt Ion:106 Resp: 64942
Ion Ratio Lower Upper
106 100
91 196.8 137.4 255.2





#54
o-Xylene
Concen: 12.771 ug/L
RT: 10.102 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU048323.D
Acq: 27 Apr 2022 18:33

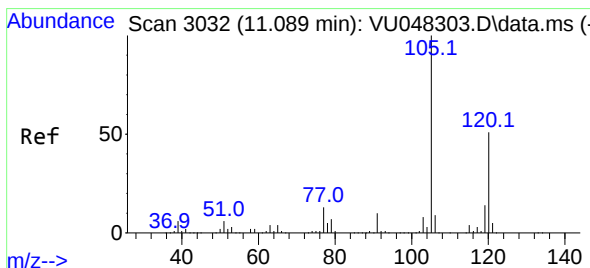
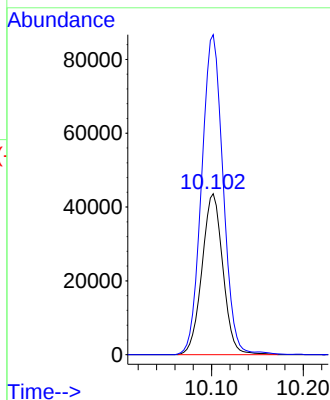
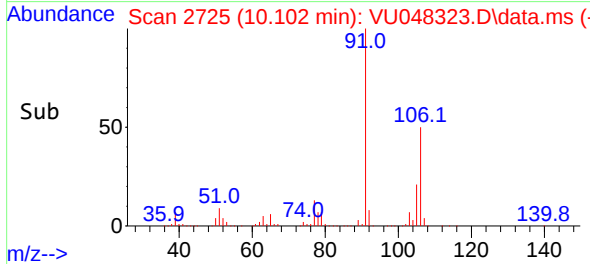
Instrument :
MSVOA_U
ClientSampleId :
EXET7



Tgt Ion:106 Resp: 6924
Ion Ratio Lower Upper
106 100
91 198.8 145.3 269.8

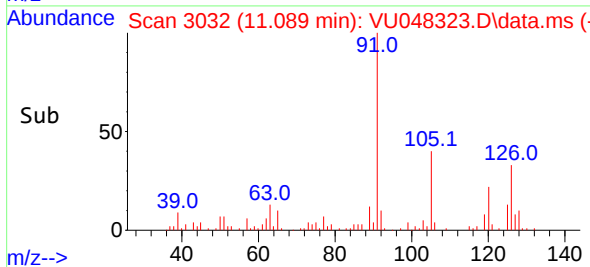
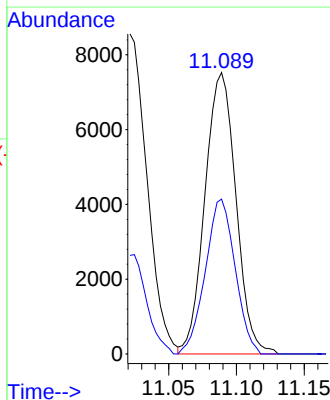
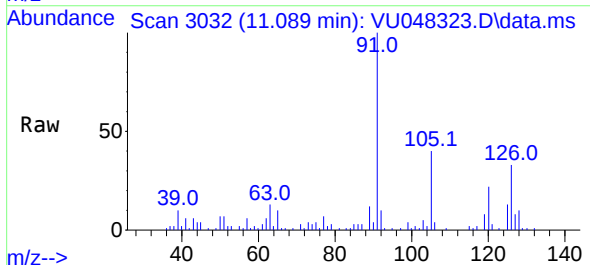
Manual Integrations
APPROVED

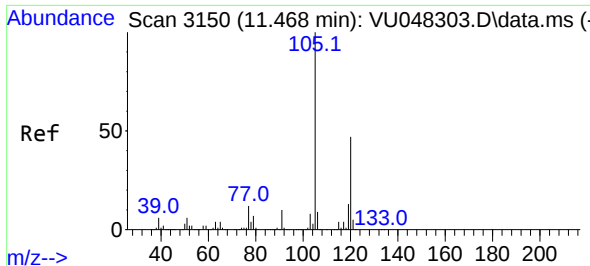
Reviewed By :Krupa Patel 04/28/2022
Supervised By :Mahesh Dadoda 04/28/2022



#62
1,3,5-Trimethylbenzene
Concen: 1.627 ug/L
RT: 11.089 min Scan# 3032
Delta R.T. 0.000 min
Lab File: VU048323.D
Acq: 27 Apr 2022 18:33

Tgt Ion:105 Resp: 11974
Ion Ratio Lower Upper
105 100
120 52.8 40.7 61.1





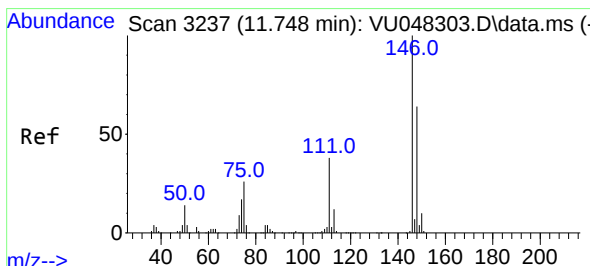
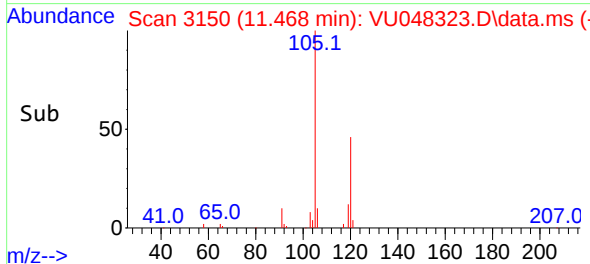
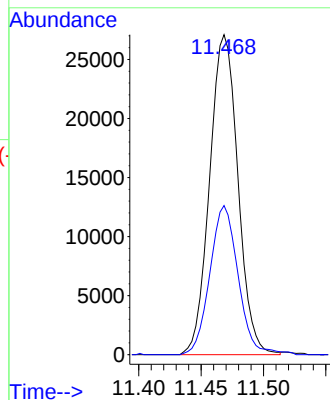
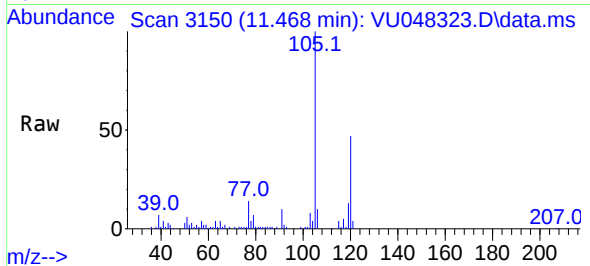
#63
1,2,4-Trimethylbenzene
Concen: 3.790 ug/L
RT: 11.468 min Scan# 3150
Delta R.T. 0.000 min
Lab File: VU048323.D
Acq: 27 Apr 2022 18:33

Instrument :
MSVOA_U
ClientSampleId :
EXET7

Tgt Ion:105 Resp: 4288
Ion Ratio Lower Upper
105 100
120 46.7 38.0 57.0

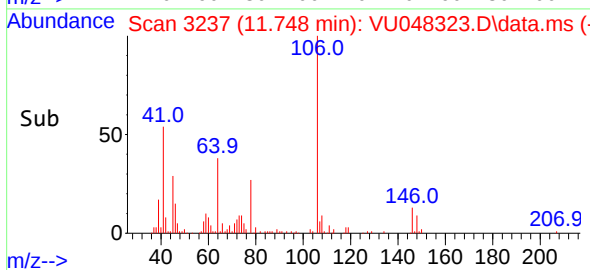
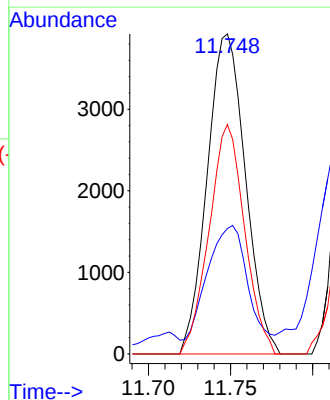
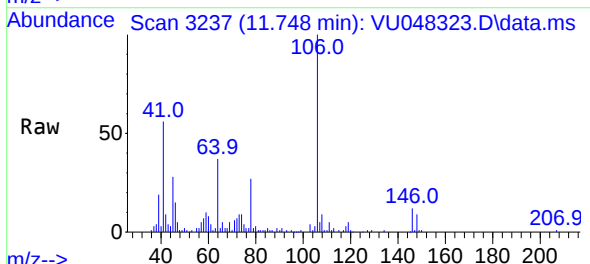
Manual Integrations
APPROVED

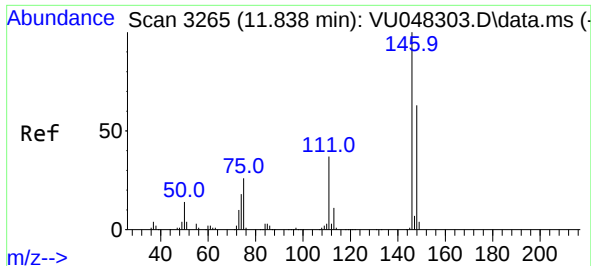
Reviewed By :Krupa Patel 04/28/2022
Supervised By :Mahesh Dadoda 04/28/2022



#64
1,3-Dichlorobenzene
Concen: 0.811 ug/L
RT: 11.748 min Scan# 3237
Delta R.T. 0.000 min
Lab File: VU048323.D
Acq: 27 Apr 2022 18:33

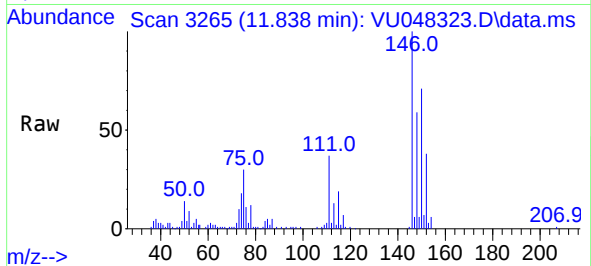
Tgt Ion:146 Resp: 6351
Ion Ratio Lower Upper
146 100
111 39.2 26.7 49.7
148 71.7 44.9 83.5





#65
1,4-Dichlorobenzene
Concen: 4.776 ug/L
RT: 11.838 min Scan# 3265
Delta R.T. 0.000 min
Lab File: VU048323.D
Acq: 27 Apr 2022 18:33

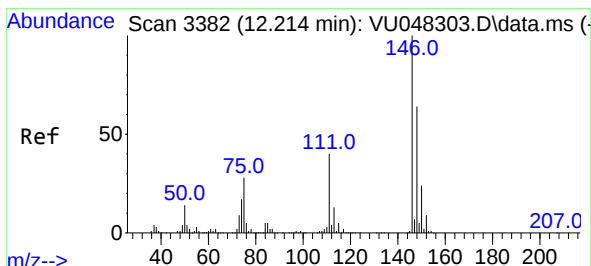
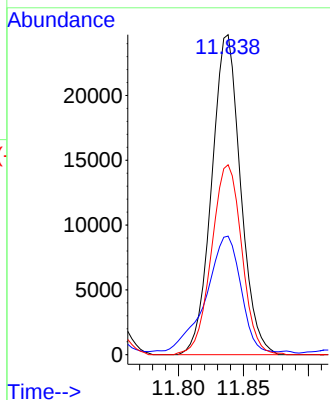
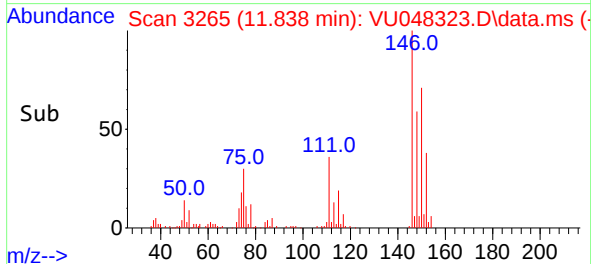
Instrument :
MSVOA_U
ClientSampleId :
EXET7



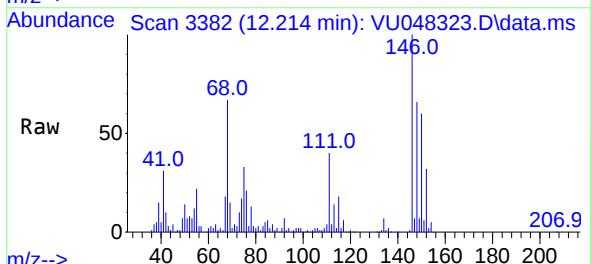
Tgt Ion:146 Resp: 38160
Ion Ratio Lower Upper
146 100
111 37.1 25.9 48.1
148 59.4 45.1 83.7

Manual Integrations
APPROVED

Reviewed By :Krupa Patel 04/28/2022
Supervised By :Mahesh Dadoda 04/28/2022



#67
1,2-Dichlorobenzene
Concen: 17.519 ug/L
RT: 12.214 min Scan# 3382
Delta R.T. 0.000 min
Lab File: VU048323.D
Acq: 27 Apr 2022 18:33



Tgt Ion:146 Resp: 144453
Ion Ratio Lower Upper
146 100
111 40.0 31.7 47.5
148 65.7 50.9 76.3

