

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU052623\
 Data File : VU054300.D
 Acq On : 26 May 2023 20:57
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/30/2023
 Supervised By : Mahesh Dadoda 05/31/2023

Quant Time: May 30 00:08:20 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U052523W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 26 06:40:51 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.366	168	219361	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.243	114	354092	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.410	117	336589	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.806	152	184182	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.694	65	144882	50.383	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 100.760%			
35) Dibromofluoromethane	5.282	113	117123	51.364	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.720%			
50) Toluene-d8	7.893	98	441809	50.938	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 101.880%			
62) 4-Bromofluorobenzene	10.626	95	165994	49.358	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 98.720%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.382	85	126656	51.721	ug/l	99
3) Chloromethane	1.517	50	158575	49.455	ug/l	97
4) Vinyl Chloride	1.604	62	160353	52.414	ug/l	100
5) Bromomethane	1.845	94	74125	43.770	ug/l	98
6) Chloroethane	1.922	64	97672	66.201	ug/l	99
7) Trichlorofluoromethane	2.131	101	206137	48.976	ug/l	99
8) Diethyl Ether	2.372	74	78718	50.520	ug/l	93
9) 1,1,2-Trichlorotrifluo...	2.575	101	115404	50.642	ug/l	95
10) Methyl Iodide	2.719	142	143995	52.621	ug/l	96
11) Tert butyl alcohol	3.227	59	154788m	199.274	ug/l	
12) 1,1-Dichloroethene	2.575	96	114717	48.618	ug/l	96
13) Acrolein	2.481	56	158574	196.238	ug/l	100
14) Allyl chloride	2.916	41	195926	47.890	ug/l	90
15) Acrylonitrile	3.305	53	379907	218.142	ug/l	99
16) Acetone	2.623	43	283090	171.745	ug/l	97
17) Carbon Disulfide	2.787	76	337070	48.337	ug/l	100
18) Methyl Acetate	2.941	43	265427	44.102	ug/l	95
19) Methyl tert-butyl Ether	3.356	73	383232	49.618	ug/l	99
20) Methylene Chloride	3.041	84	146509	49.269	ug/l	96
21) trans-1,2-Dichloroethene	3.346	96	127392	50.429	ug/l	95
22) Diisopropyl ether	3.983	45	382358	52.730	ug/l #	76
23) Vinyl Acetate	3.944	43	1366470	258.256	ug/l	98
24) 1,1-Dichloroethane	3.861	63	236467	50.929	ug/l	99
25) 2-Butanone	4.694	43	461627	211.525	ug/l	98
26) 2,2-Dichloropropane	4.655	77	176327	43.455	ug/l	100
27) cis-1,2-Dichloroethene	4.658	96	143836	51.184	ug/l	96
28) Bromochloromethane	4.964	49	112667	52.437	ug/l	86
29) Tetrahydrofuran	5.044	42	297988	217.225	ug/l	93
30) Chloroform	5.079	83	234298	49.641	ug/l	99
31) Cyclohexane	5.378	56	200260	49.320	ug/l	92
32) 1,1,1-Trichloroethane	5.308	97	205740	50.210	ug/l	99
36) 1,1-Dichloropropene	5.520	75	172555	48.179	ug/l	97
37) Ethyl Acetate	4.797	43	180829	41.428	ug/l #	92
38) Carbon Tetrachloride	5.517	117	179734	49.029	ug/l	99
39) Methylcyclohexane	6.758	83	197386	48.657	ug/l	94
40) Benzene	5.768	78	510082	49.930	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.964	41	93330	46.264	ug/l	94
42) 1,2-Dichloroethane	5.787	62	182534	49.185	ug/l	98
43) Isopropyl Acetate	5.903	43	281033	46.678	ug/l	98
44) Trichloroethene	6.536	130	141028	49.384	ug/l	95
45) 1,2-Dichloropropane	6.784	63	134519	50.475	ug/l	99
46) Dibromomethane	6.912	93	96651	49.268	ug/l	94
47) Bromodichloromethane	7.099	83	182327	49.698	ug/l	99
48) Methyl methacrylate	6.954	41	129278	48.418	ug/l	95
49) 1,4-Dioxane	6.973	88	65129	844.936	ug/l #	1
51) 4-Methyl-2-Pentanone	7.784	43	901523	224.379	ug/l	99
52) Toluene	7.964	92	320006	49.126	ug/l	99
53) t-1,3-Dichloropropene	8.205	75	205261	48.903	ug/l	100
54) cis-1,3-Dichloropropene	7.600	75	215361	49.166	ug/l	98
55) 1,1,2-Trichloroethane	8.394	97	128899	47.748	ug/l	98
56) Ethyl methacrylate	8.327	69	199233	49.580	ug/l	96
57) 1,3-Dichloropropane	8.568	76	226597	48.741	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.459	63	39435	153.063	ug/l	98
59) 2-Hexanone	8.677	43	687296	216.545	ug/l	99
60) Dibromochloromethane	8.803	129	137307	50.062	ug/l	99
61) 1,2-Dibromoethane	8.919	107	144987	49.348	ug/l	98
64) Tetrachloroethene	8.549	164	129189	50.997	ug/l	97
65) Chlorobenzene	9.443	112	342533	48.679	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.526	131	127364	49.894	ug/l	98
67) Ethyl Benzene	9.565	91	607904	50.532	ug/l	98
68) m/p-Xylenes	9.687	106	471080	103.308	ug/l	94
69) o-Xylene	10.095	106	227084	51.444	ug/l	93
70) Styrene	10.108	104	387101	52.880	ug/l	98
71) Bromoform	10.285	173	107083	48.273	ug/l #	98
73) Isopropylbenzene	10.478	105	588986	51.635	ug/l	97
74) N-amyl acetate	10.314	43	247791	51.161	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.777	83	220039	47.674	ug/l	99
76) 1,2,3-Trichloropropane	10.819	75	243002	45.205	ug/l	98
77) Bromobenzene	10.777	156	155039	49.496	ug/l	92
78) n-propylbenzene	10.899	91	724649	51.860	ug/l	97
79) 2-Chlorotoluene	10.980	91	427583	50.544	ug/l	95
80) 1,3,5-Trimethylbenzene	11.082	105	509423	52.516	ug/l	97
81) trans-1,4-Dichloro-2-b...	10.539	75	64341	45.578	ug/l	98
82) 4-Chlorotoluene	11.092	91	503442	50.720	ug/l	96
83) tert-Butylbenzene	11.414	119	490497	50.566	ug/l	94
84) 1,2,4-Trimethylbenzene	11.462	105	505353	52.365	ug/l	98
85) sec-Butylbenzene	11.639	105	633836	51.496	ug/l	99
86) p-Isopropyltoluene	11.787	119	533692	51.552	ug/l	98
87) 1,3-Dichlorobenzene	11.738	146	297020	48.973	ug/l	98
88) 1,4-Dichlorobenzene	11.828	146	301033	47.511	ug/l	99
89) n-Butylbenzene	12.201	91	480231	49.281	ug/l	98
90) Hexachloroethane	12.468	117	90426	49.374	ug/l	91
91) 1,2-Dichlorobenzene	12.205	146	296812	49.746	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.989	75	49626	47.145	ug/l	89
93) 1,2,4-Trichlorobenzene	13.835	180	212129	50.071	ug/l	99
94) Hexachlorobutadiene	14.015	225	91912	46.866	ug/l	99
95) Naphthalene	14.079	128	666005	48.934	ug/l	99
96) 1,2,3-Trichlorobenzene	14.323	180	215683	51.350	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

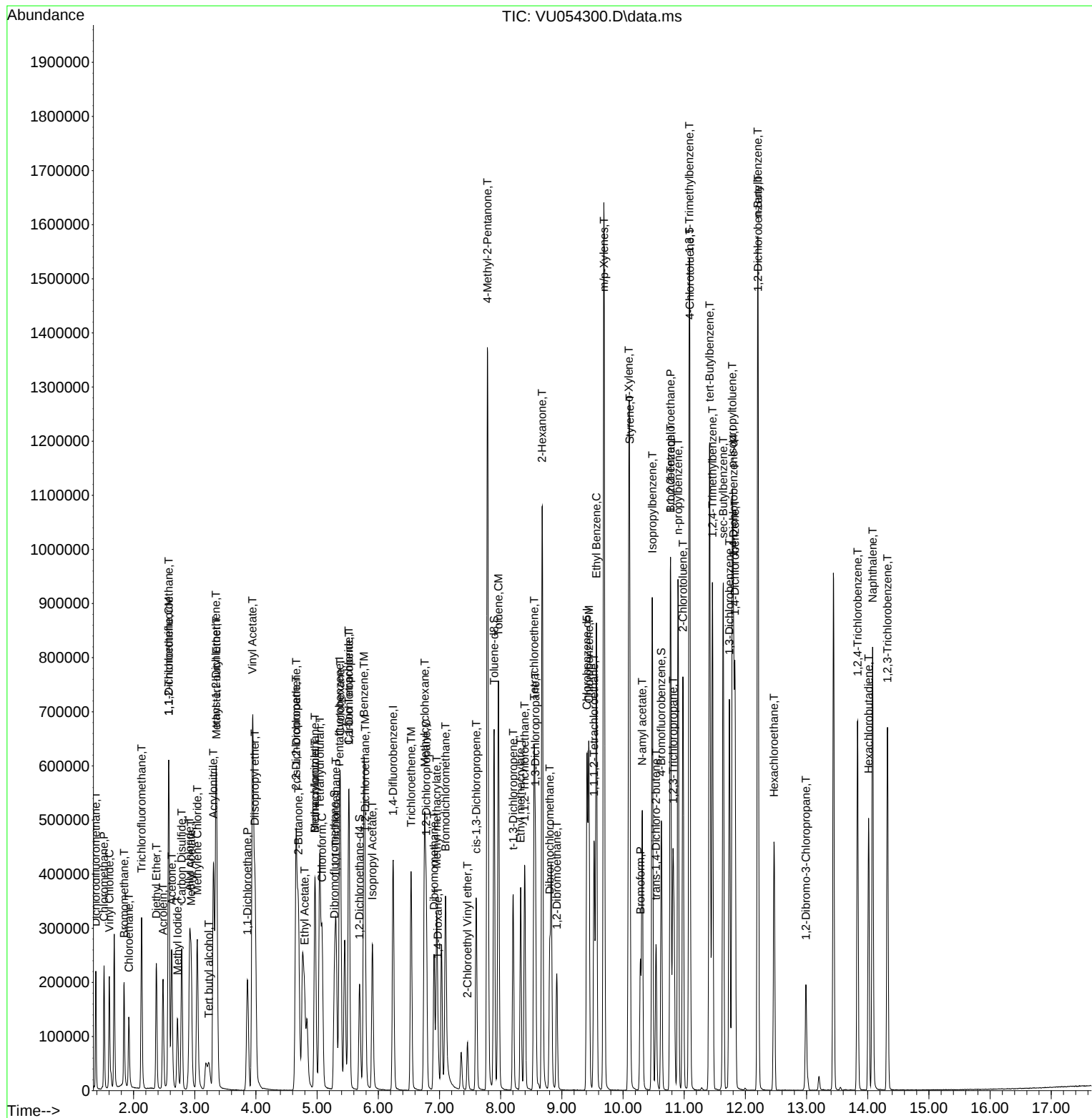
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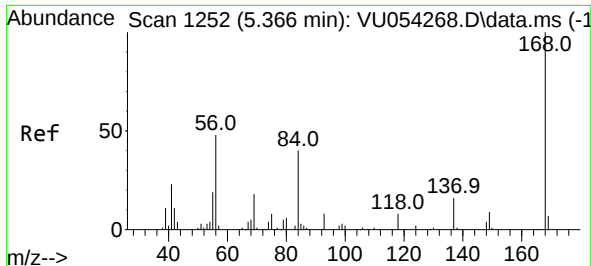
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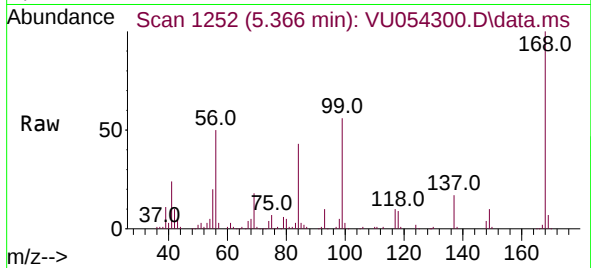
Reviewed By : John Carlone 05/30/2023
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#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.366 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU054300.D
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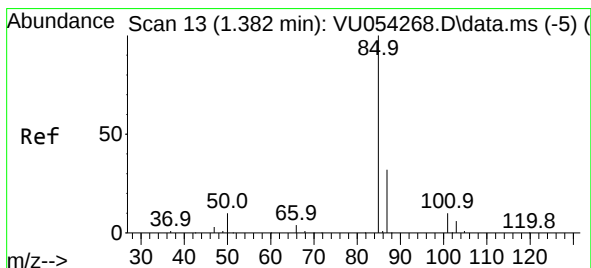
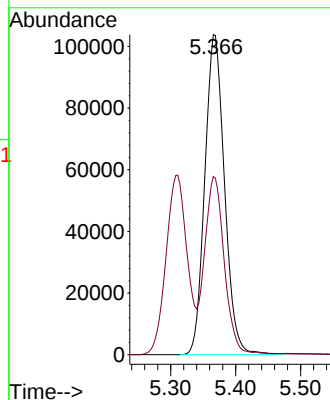
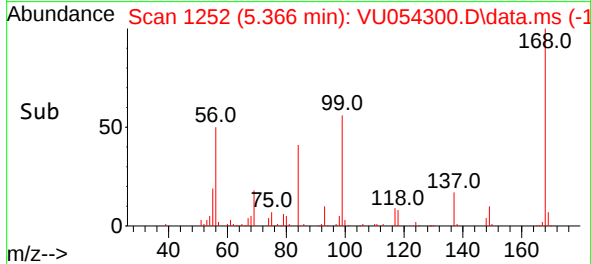
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Tgt Ion:168 Resp: 21936
Ion Ratio Lower Upper
168 100
99 55.4 39.3 58.9

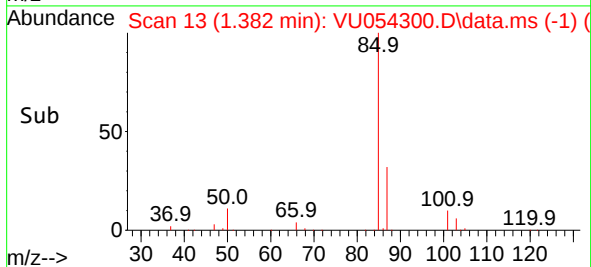
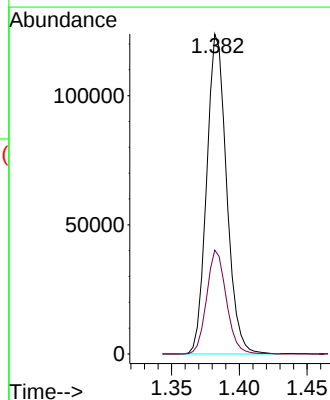
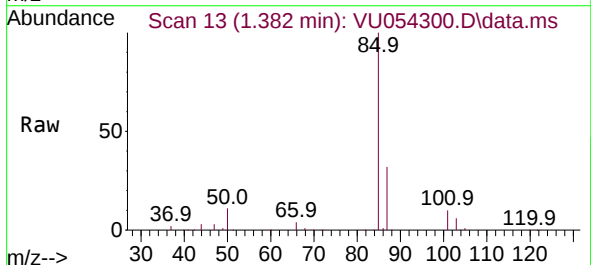
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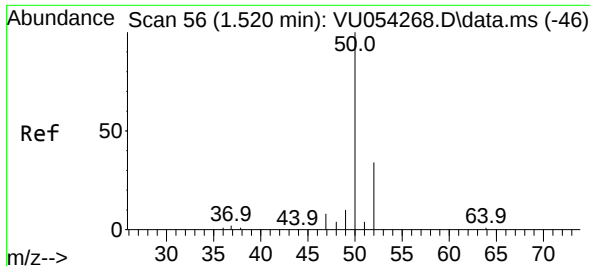
Reviewed By :John Carlone 05/30/2023
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#2
Dichlorodifluoromethane
Concen: 51.721 ug/l
RT: 1.382 min Scan# 13
Delta R.T. -0.000 min
Lab File: VU054300.D
Acq: 26 May 2023 20:57

Tgt Ion: 85 Resp: 126656
Ion Ratio Lower Upper
85 100
87 32.5 16.4 49.2





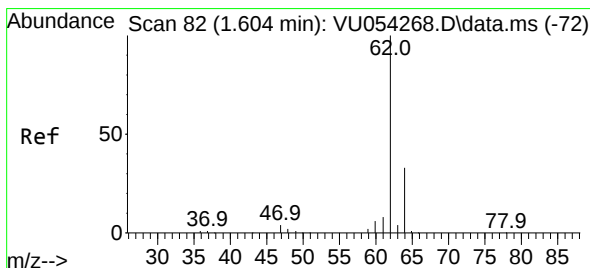
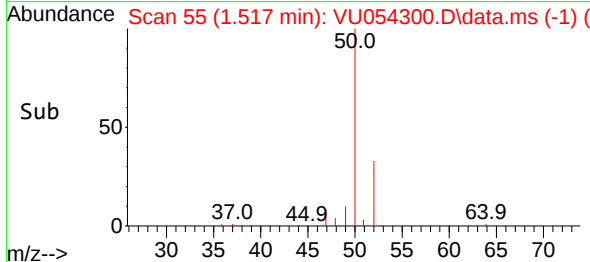
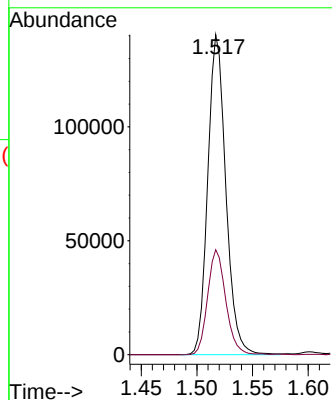
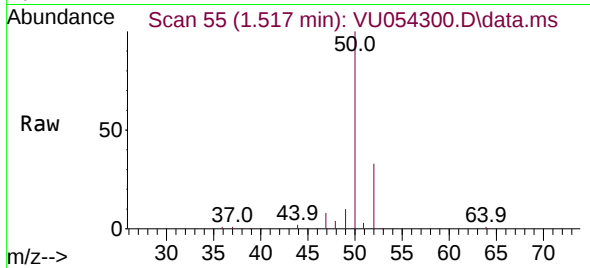
#3
Chloromethane
Concen: 49.455 ug/l
RT: 1.517 min Scan# 51
Delta R.T. -0.003 min
Lab File: VU054300.D
Acq: 26 May 2023 20:57

Instrument :
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VSTDCCC050EC

Tgt Ion: 50 Resp: 158579
Ion Ratio Lower Upper
50 100
52 32.8 27.4 41.2

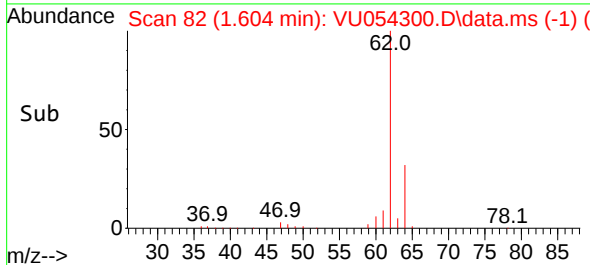
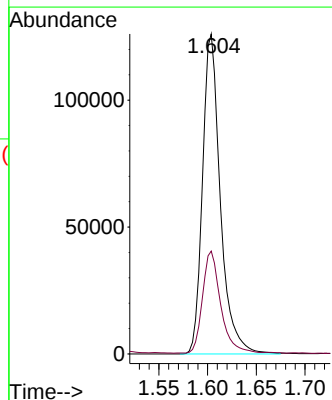
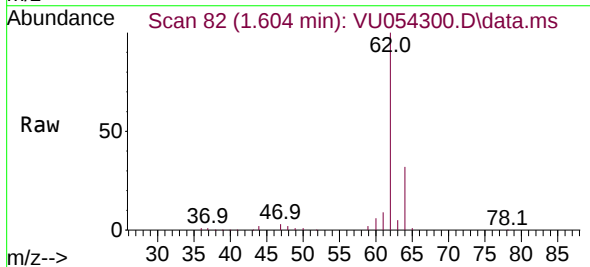
Manual Integrations
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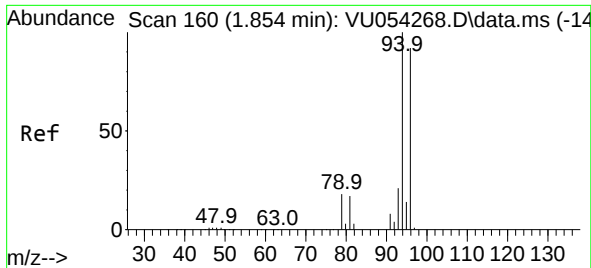
Reviewed By :John Carlone 05/30/2023
Supervised By :Mahesh Dadoda 05/31/2023



#4
Vinyl Chloride
Concen: 52.414 ug/l
RT: 1.604 min Scan# 82
Delta R.T. -0.000 min
Lab File: VU054300.D
Acq: 26 May 2023 20:57

Tgt Ion: 62 Resp: 160353
Ion Ratio Lower Upper
62 100
64 31.9 25.3 37.9





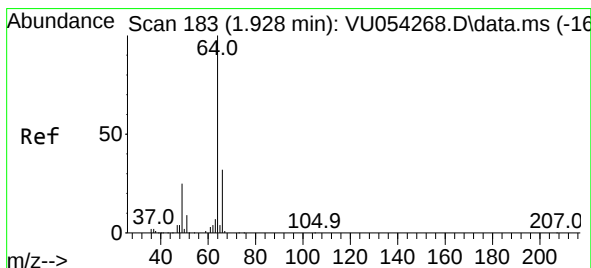
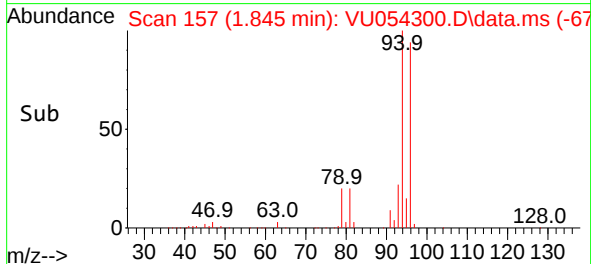
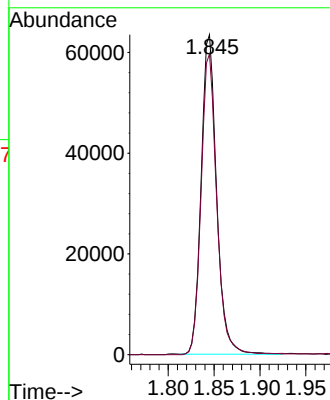
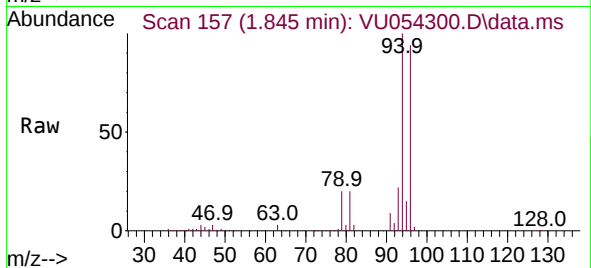
#5
Bromomethane
Concen: 43.770 ug/l
RT: 1.845 min Scan# 11
Delta R.T. -0.009 min
Lab File: VU054300.D
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Tgt Ion: 94 Resp: 74125
Ion Ratio Lower Upper
94 100
96 94.2 73.7 110.5

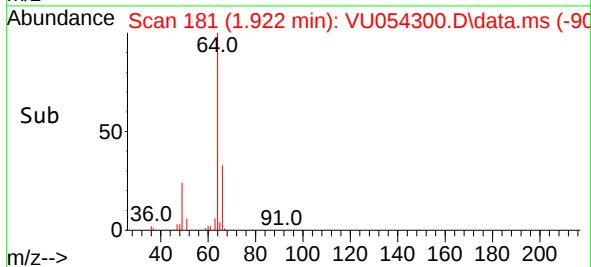
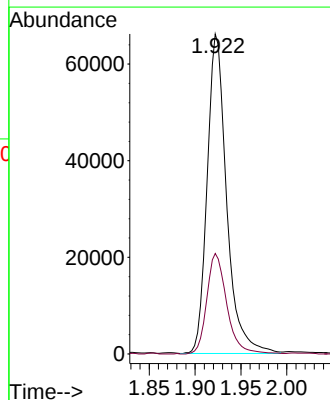
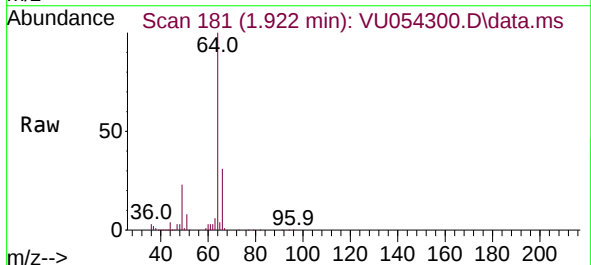
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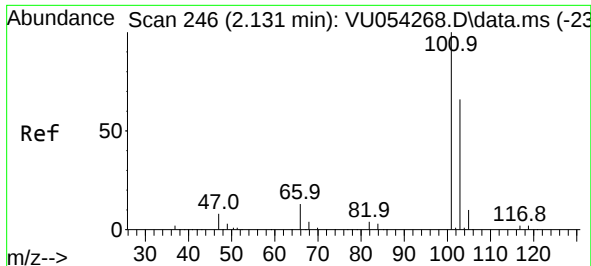
Reviewed By :John Carlone 05/30/2023
Supervised By :Mahesh Dadoda 05/31/2023



#6
Chloroethane
Concen: 66.201 ug/l
RT: 1.922 min Scan# 181
Delta R.T. -0.006 min
Lab File: VU054300.D
Acq: 26 May 2023 20:57

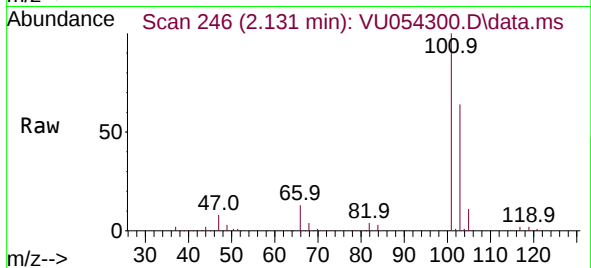
Tgt Ion: 64 Resp: 97672
Ion Ratio Lower Upper
64 100
66 31.4 24.7 37.1





#7
 Trichlorofluoromethane
 Concen: 48.976 ug/l
 RT: 2.131 min Scan# 246
 Delta R.T. 0.000 min
 Lab File: VU054300.D
 Acq: 26 May 2023 20:57

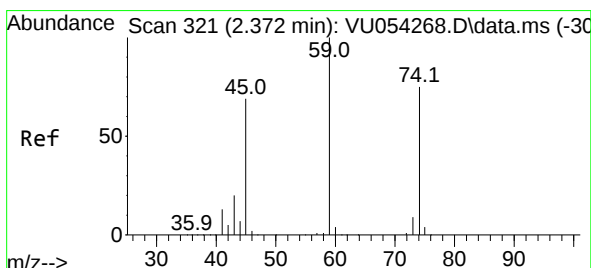
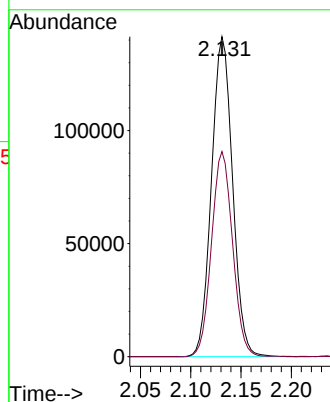
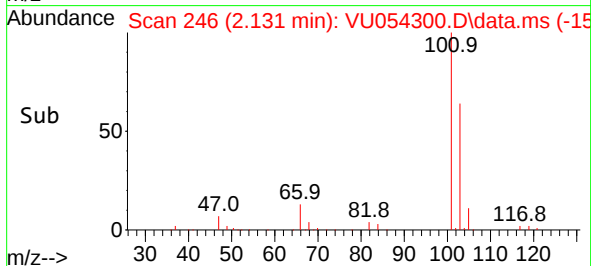
Instrument :
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Tgt Ion:101 Resp: 20613
 Ion Ratio Lower Upper
 101 100
 103 64.1 50.6 75.8

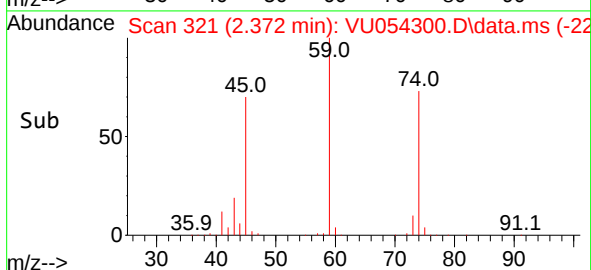
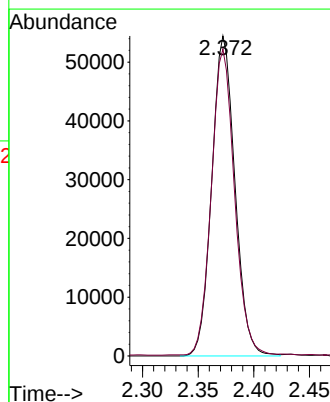
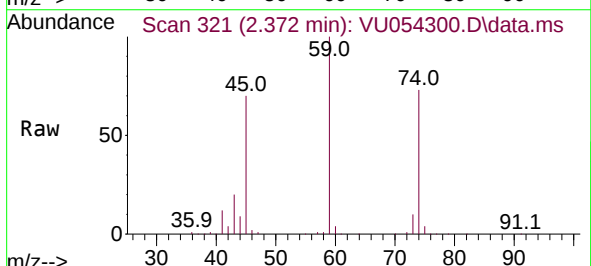
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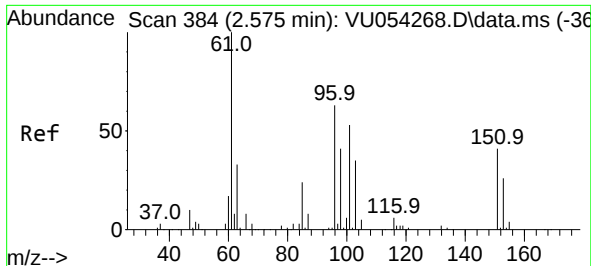
Reviewed By :John Carlone 05/30/2023
 Supervised By :Mahesh Dadoda 05/31/2023



#8
 Diethyl Ether
 Concen: 50.520 ug/l
 RT: 2.372 min Scan# 321
 Delta R.T. 0.000 min
 Lab File: VU054300.D
 Acq: 26 May 2023 20:57

Tgt Ion: 74 Resp: 78718
 Ion Ratio Lower Upper
 74 100
 45 95.3 44.4 133.2





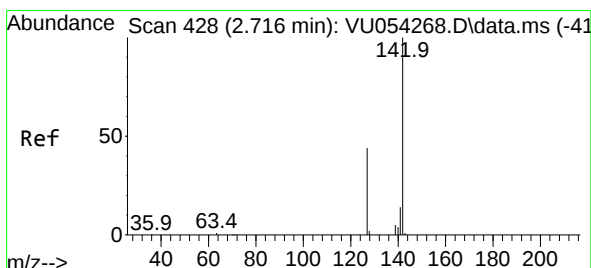
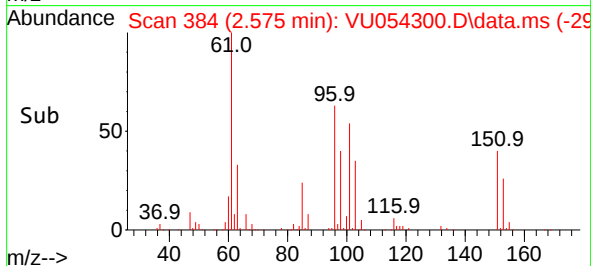
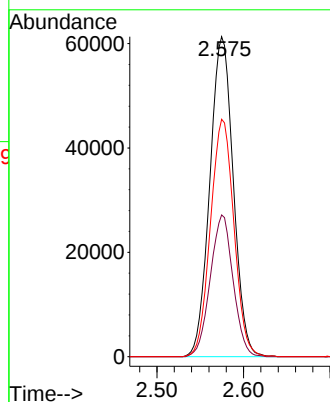
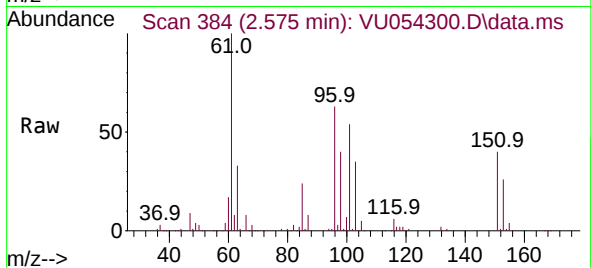
#9
1,1,2-Trichlorotrifluoroethane
Concen: 50.642 ug/l
RT: 2.575 min Scan# 384
Delta R.T. -0.000 min
Lab File: VU054300.D
Acq: 26 May 2023 20:57

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tgt Ion:101 Resp: 115404
Ion Ratio Lower Upper
101 100
85 43.1 33.9 50.9
151 74.4 64.0 96.0

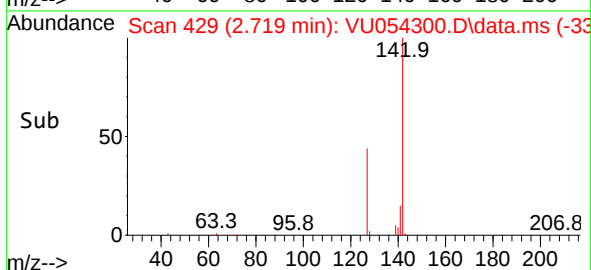
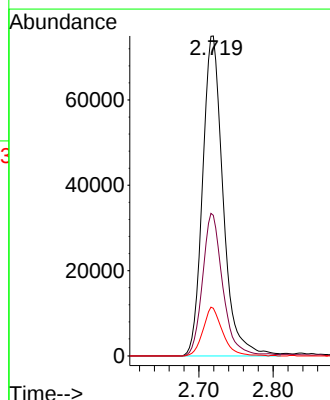
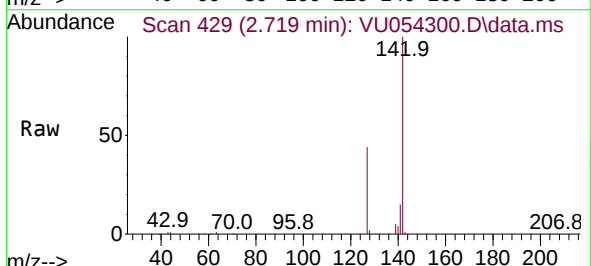
Manual Integrations
APPROVED

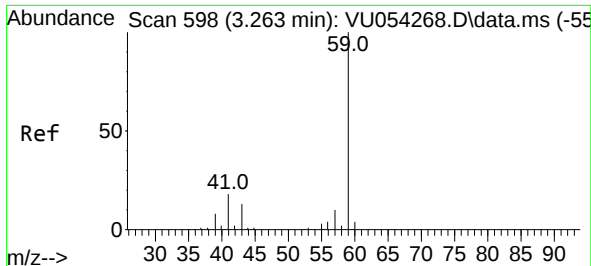
Reviewed By :John Carlone 05/30/2023
Supervised By :Mahesh Dadoda 05/31/2023



#10
Methyl Iodide
Concen: 52.621 ug/l
RT: 2.719 min Scan# 429
Delta R.T. 0.003 min
Lab File: VU054300.D
Acq: 26 May 2023 20:57

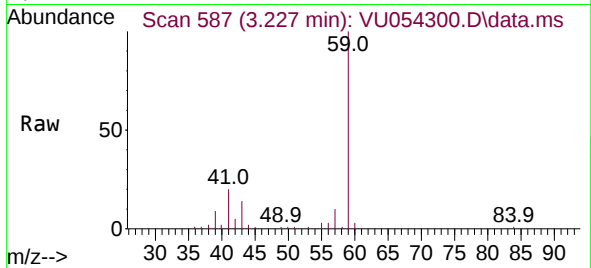
Tgt Ion:142 Resp: 143995
Ion Ratio Lower Upper
142 100
127 43.7 32.5 48.7
141 14.5 11.4 17.0





#11
Tert butyl alcohol
Concen: 199.274 ug/l m
RT: 3.227 min Scan# 598
Delta R.T. -0.016 min
Lab File: VU054300.D
Acq: 26 May 2023 20:57

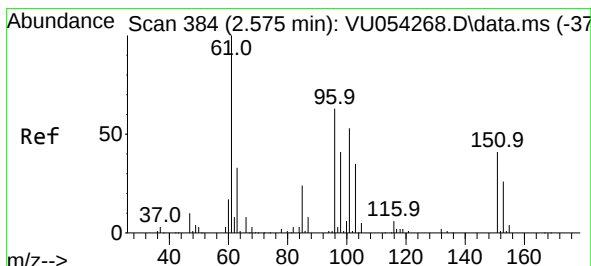
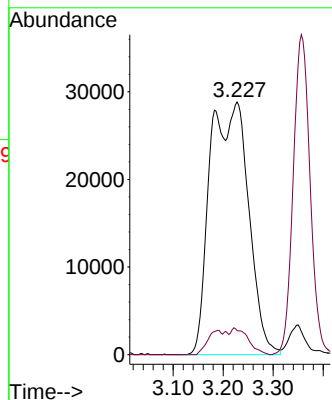
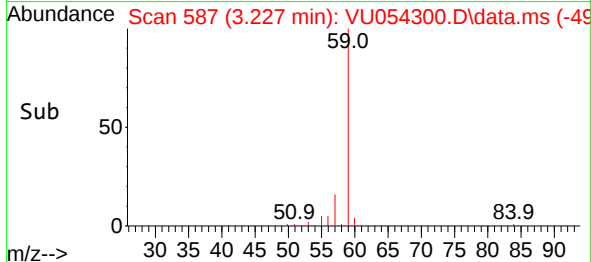
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC



Tgt Ion: 59 Resp: 154788
Ion Ratio Lower Upper
59 100
57 3.6 30.6 45.8

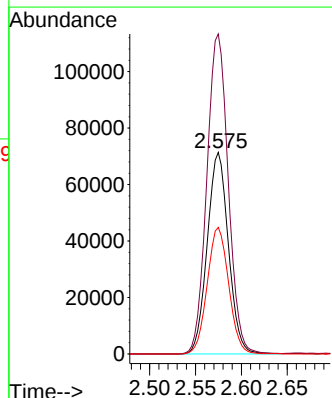
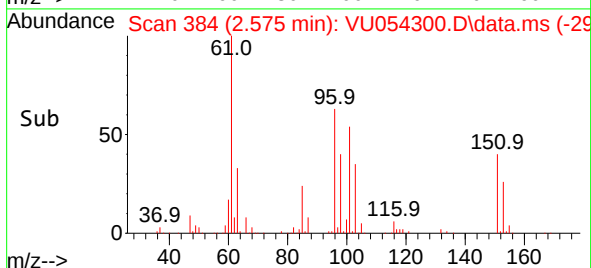
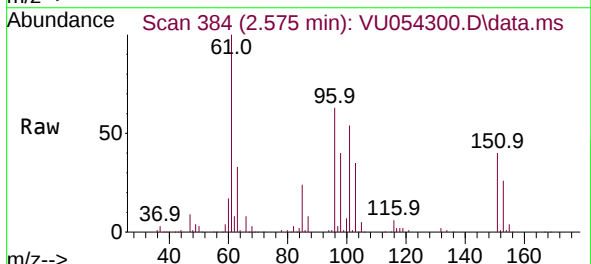
Manual Integrations
APPROVED

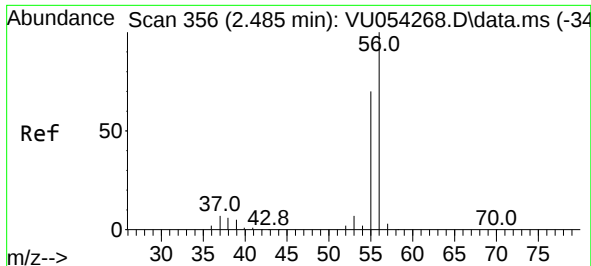
Reviewed By :John Carlone 05/30/2023
Supervised By :Mahesh Dadoda 05/31/2023



#12
1,1-Dichloroethene
Concen: 48.618 ug/l
RT: 2.575 min Scan# 384
Delta R.T. -0.000 min
Lab File: VU054300.D
Acq: 26 May 2023 20:57

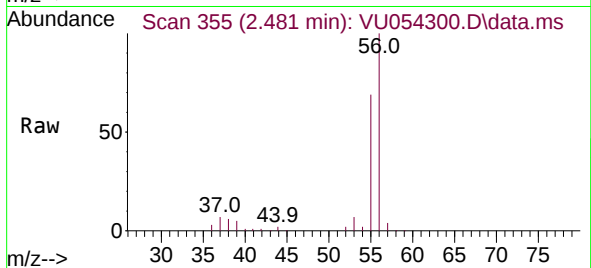
Tgt Ion: 96 Resp: 114717
Ion Ratio Lower Upper
96 100
61 158.7 122.2 183.2
98 62.8 50.7 76.1





#13
Acrolein
Concen: 196.238 ug/l
RT: 2.481 min Scan# 31
Delta R.T. -0.004 min
Lab File: VU054300.D
Acq: 26 May 2023 20:57

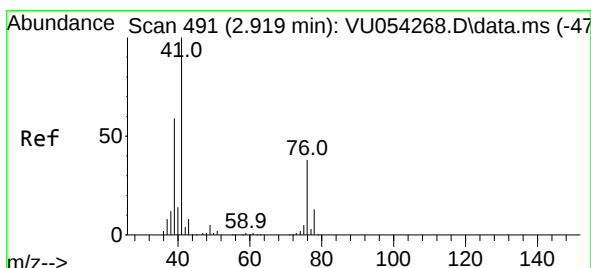
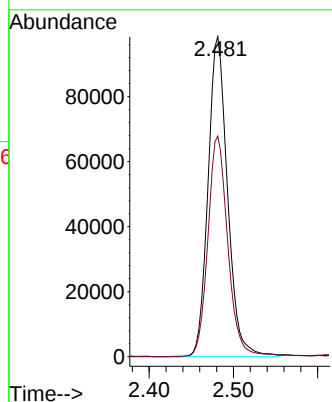
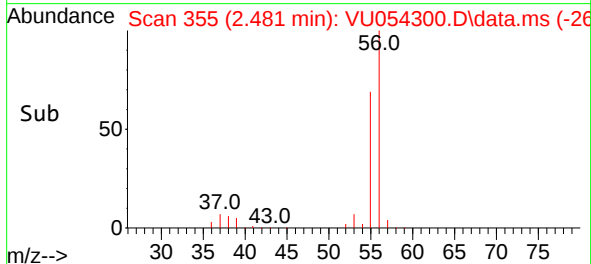
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC



Tgt Ion: 56 Resp: 158574
Ion Ratio Lower Upper
56 100
55 70.8 56.6 85.0

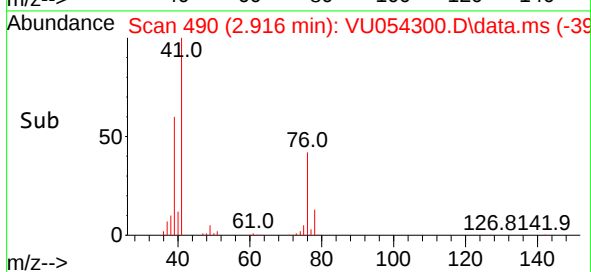
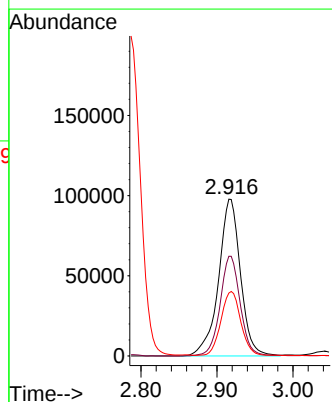
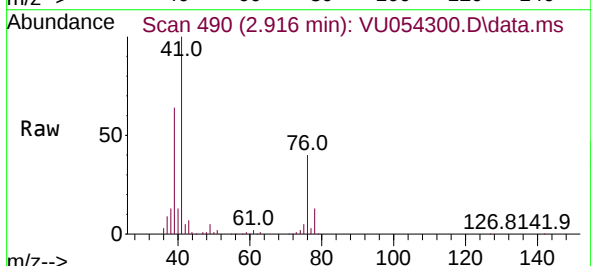
Manual Integrations
APPROVED

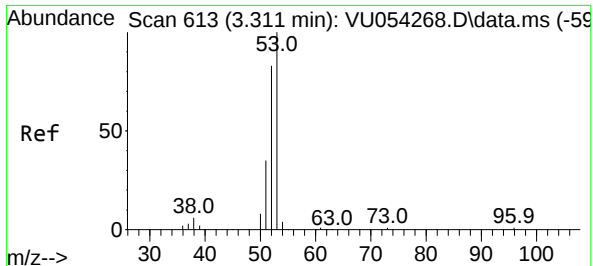
Reviewed By :John Carlone 05/30/2023
Supervised By :Mahesh Dadoda 05/31/2023



#14
Allyl chloride
Concen: 47.890 ug/l
RT: 2.916 min Scan# 490
Delta R.T. -0.003 min
Lab File: VU054300.D
Acq: 26 May 2023 20:57

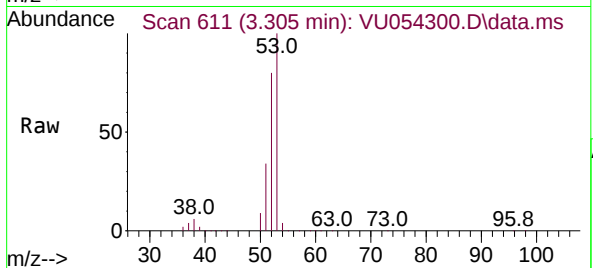
Tgt Ion: 41 Resp: 195926
Ion Ratio Lower Upper
41 100
39 58.4 53.4 80.2
76 36.6 33.8 50.6





#15
Acrylonitrile
Concen: 218.142 ug/l
RT: 3.305 min Scan# 613
Delta R.T. -0.006 min
Lab File: VU054300.D
Acq: 26 May 2023 20:57

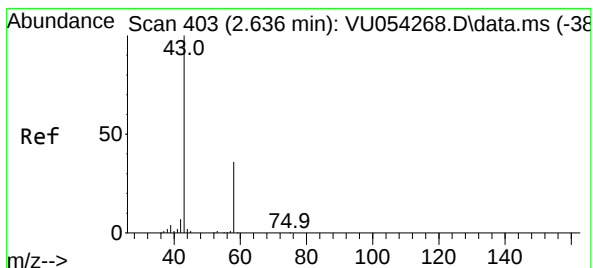
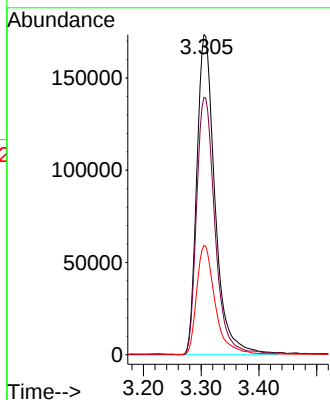
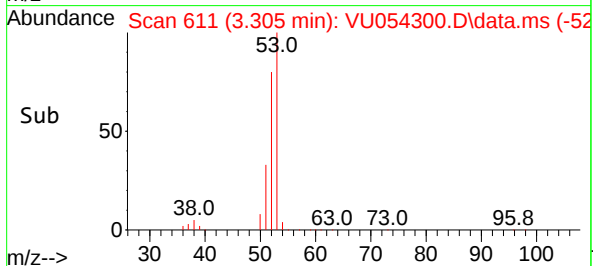
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC



Tgt Ion: 53 Resp: 379907
Ion Ratio Lower Upper
53 100
52 81.4 65.7 98.5
51 34.8 28.2 42.4

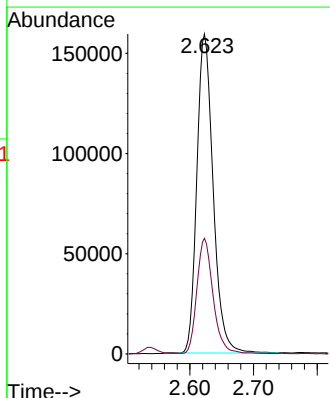
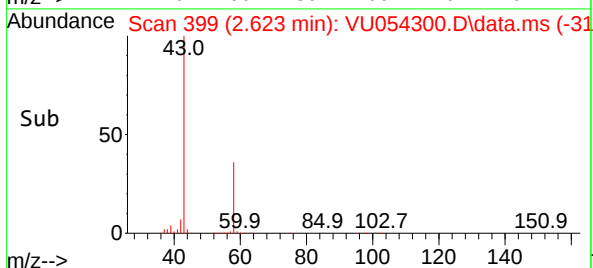
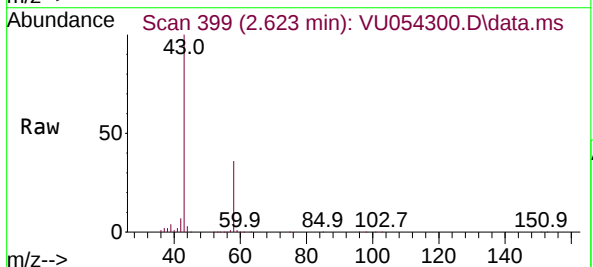
Manual Integrations
APPROVED

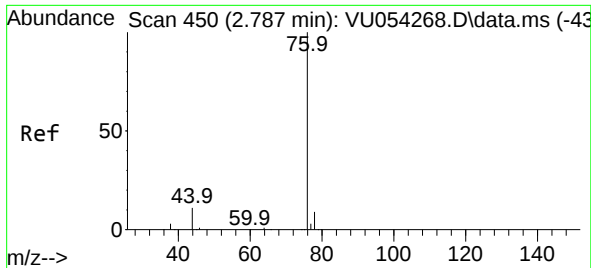
Reviewed By :John Carlone 05/30/2023
Supervised By :Mahesh Dadoda 05/31/2023



#16
Acetone
Concen: 171.745 ug/l
RT: 2.623 min Scan# 399
Delta R.T. -0.013 min
Lab File: VU054300.D
Acq: 26 May 2023 20:57

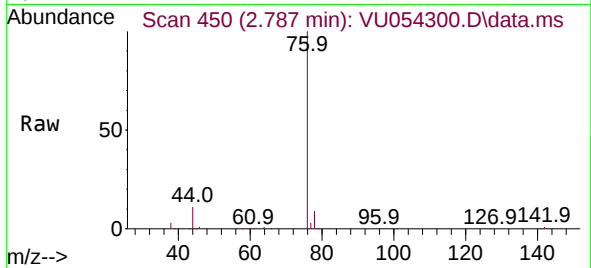
Tgt Ion: 43 Resp: 283090
Ion Ratio Lower Upper
43 100
58 36.1 27.5 41.3





#17
Carbon Disulfide
Concen: 48.337 ug/l
RT: 2.787 min Scan# 450
Delta R.T. -0.000 min
Lab File: VU054300.D
Acq: 26 May 2023 20:57

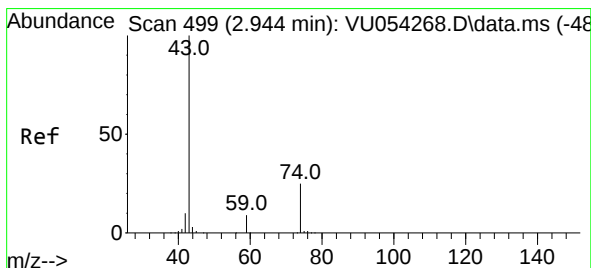
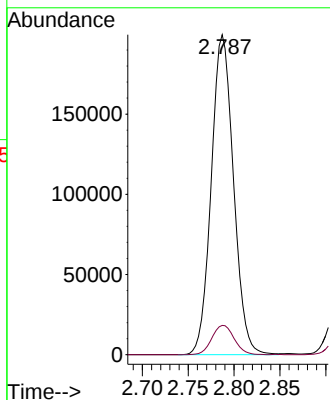
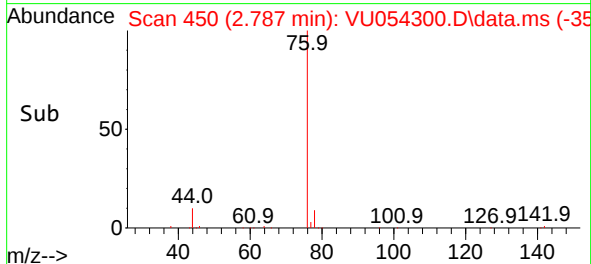
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC



Tgt Ion: 76 Resp: 337070
Ion Ratio Lower Upper
76 100
78 9.1 7.3 10.9

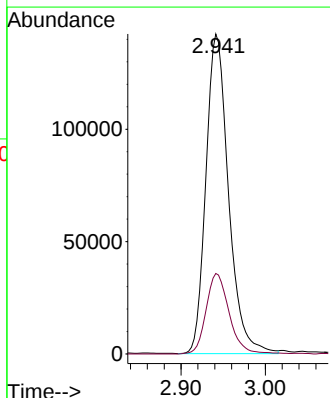
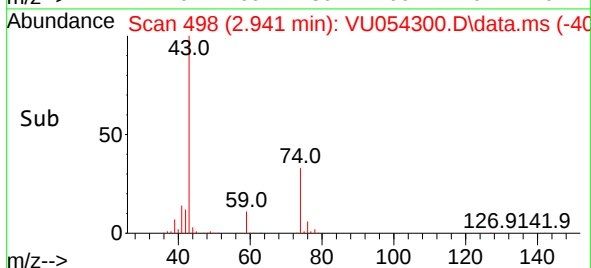
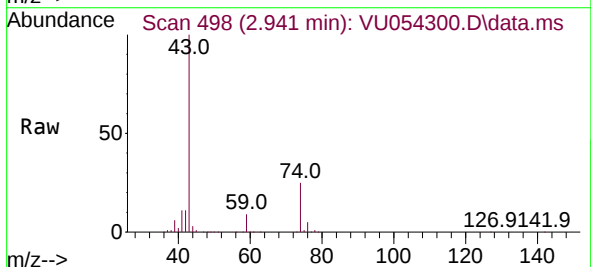
Manual Integrations
APPROVED

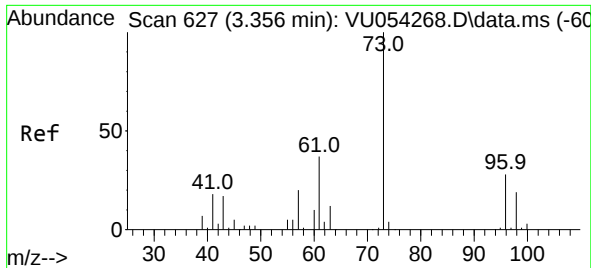
Reviewed By :John Carlone 05/30/2023
Supervised By :Mahesh Dadoda 05/31/2023



#18
Methyl Acetate
Concen: 44.102 ug/l
RT: 2.941 min Scan# 498
Delta R.T. -0.003 min
Lab File: VU054300.D
Acq: 26 May 2023 20:57

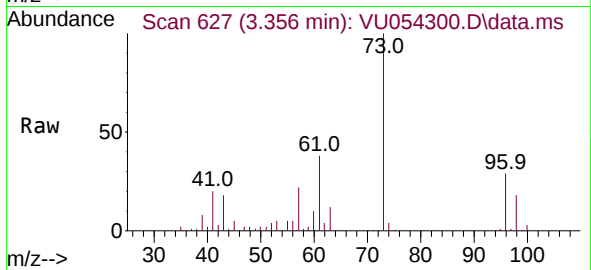
Tgt Ion: 43 Resp: 265427
Ion Ratio Lower Upper
43 100
74 25.7 22.5 33.7





#19
Methyl tert-butyl Ether
Concen: 49.618 ug/l
RT: 3.356 min Scan# 61
Delta R.T. 0.000 min
Lab File: VU054300.D
Acq: 26 May 2023 20:57

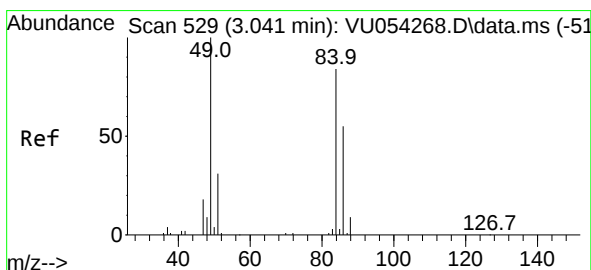
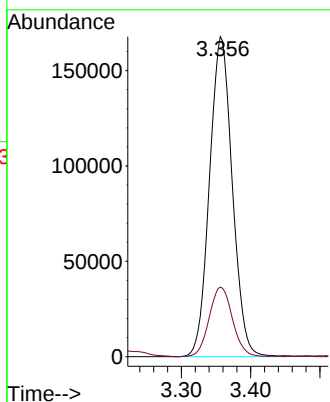
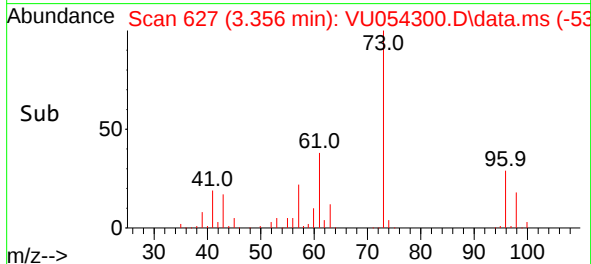
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC



Tgt Ion: 73 Resp: 38323
Ion Ratio Lower Upper
73 100
57 21.8 17.1 25.7

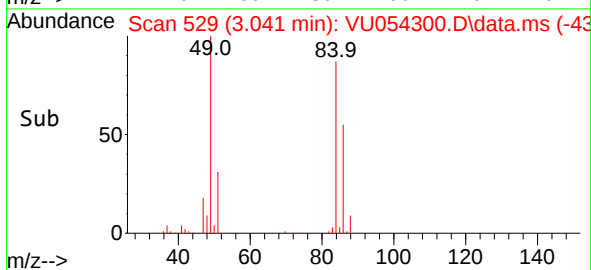
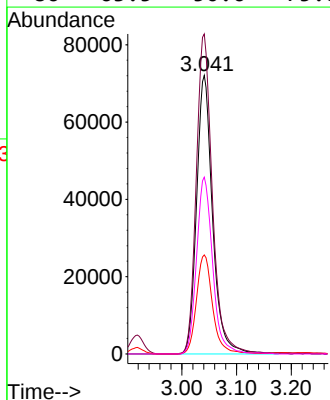
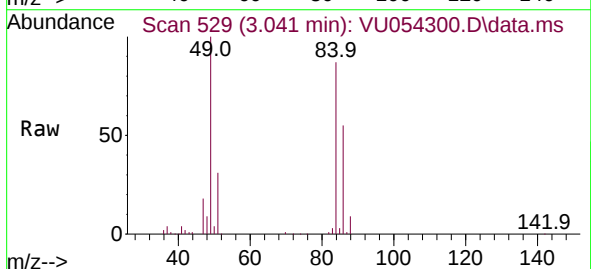
Manual Integrations
APPROVED

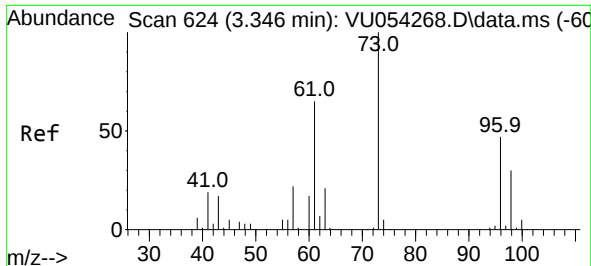
Reviewed By :John Carlone 05/30/2023
Supervised By :Mahesh Dadoda 05/31/2023



#20
Methylene Chloride
Concen: 49.269 ug/l
RT: 3.041 min Scan# 529
Delta R.T. -0.000 min
Lab File: VU054300.D
Acq: 26 May 2023 20:57

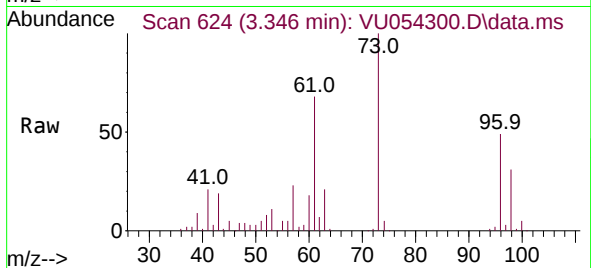
Tgt Ion: 84 Resp: 146509
Ion Ratio Lower Upper
84 100
49 114.9 86.6 129.8
51 35.6 26.6 40.0
86 63.5 50.6 75.8





#21
trans-1,2-Dichloroethene
Concen: 50.429 ug/l
RT: 3.346 min Scan# 61
Delta R.T. 0.000 min
Lab File: VU054300.D
Acq: 26 May 2023 20:57

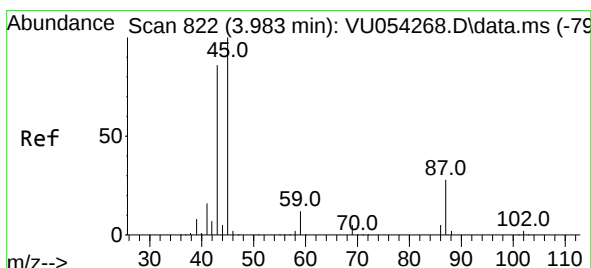
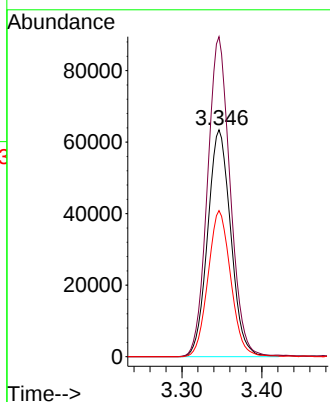
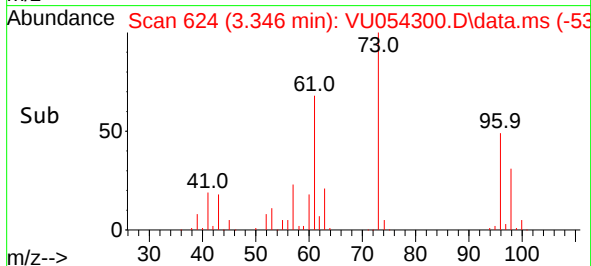
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC



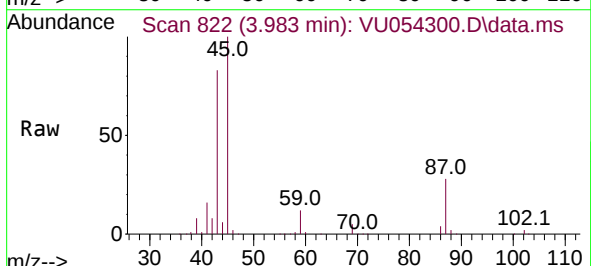
Tgt Ion: 96 Resp: 127392
Ion Ratio Lower Upper
96 100
61 141.0 106.1 159.1
98 64.4 50.8 76.2

Manual Integrations
APPROVED

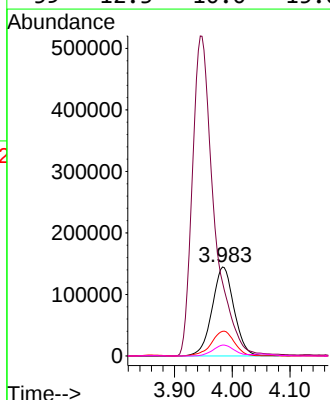
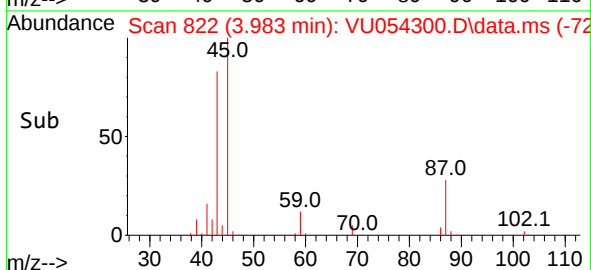
Reviewed By :John Carlone 05/30/2023
Supervised By :Mahesh Dadoda 05/31/2023

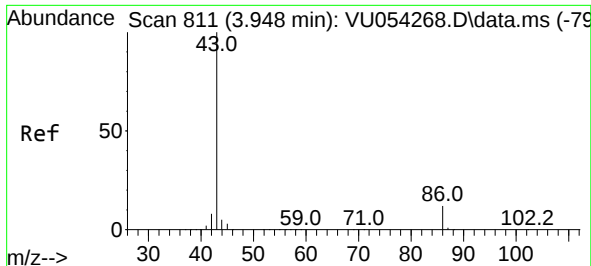


#22
Diisopropyl ether
Concen: 52.730 ug/l
RT: 3.983 min Scan# 822
Delta R.T. 0.000 min
Lab File: VU054300.D
Acq: 26 May 2023 20:57



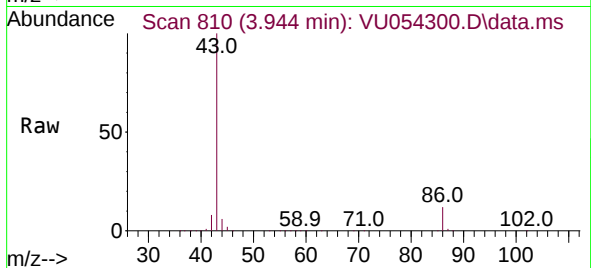
Tgt Ion: 45 Resp: 382358
Ion Ratio Lower Upper
45 100
43 82.2 92.9 139.3#
87 27.7 26.2 39.2
59 12.3 10.0 15.0





#23
 Vinyl Acetate
 Concen: 258.256 ug/l
 RT: 3.944 min Scan# 811
 Delta R.T. -0.004 min
 Lab File: VU054300.D
 Acq: 26 May 2023 20:57

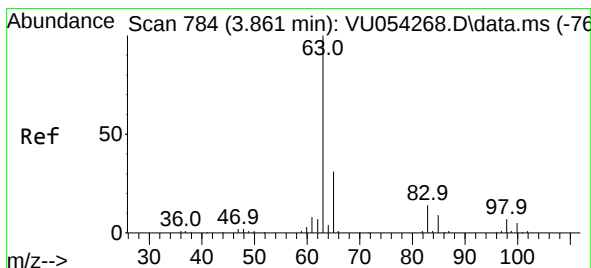
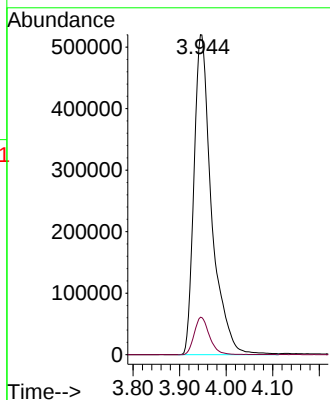
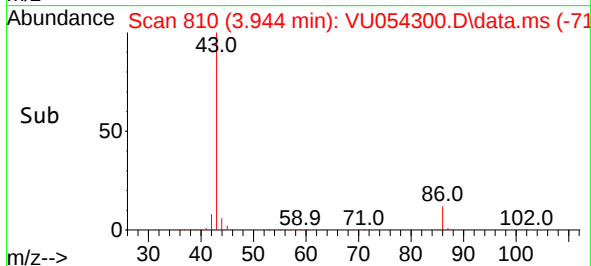
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC



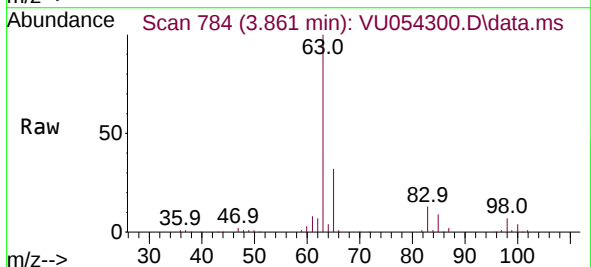
Tgt Ion: 43 Resp: 1366470
 Ion Ratio Lower Upper
 43 100
 86 11.7 9.8 14.8

Manual Integrations
 APPROVED

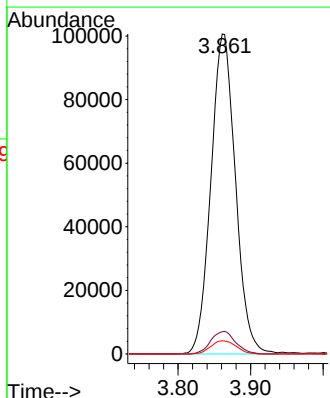
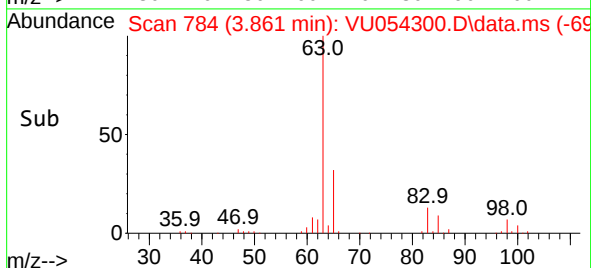
Reviewed By :John Carlone 05/30/2023
 Supervised By :Mahesh Dadoda 05/31/2023

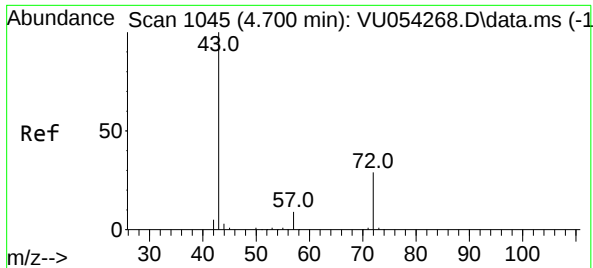


#24
 1,1-Dichloroethane
 Concen: 50.929 ug/l
 RT: 3.861 min Scan# 784
 Delta R.T. -0.000 min
 Lab File: VU054300.D
 Acq: 26 May 2023 20:57



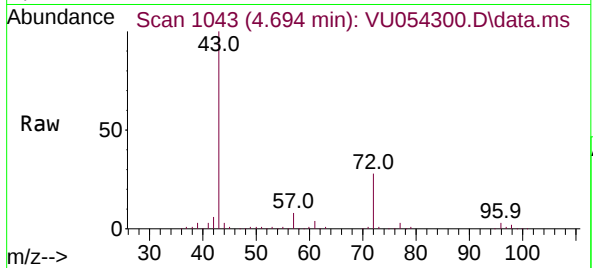
Tgt Ion: 63 Resp: 236467
 Ion Ratio Lower Upper
 63 100
 98 6.9 3.6 10.9
 100 4.1 2.4 7.2





#25
2-Butanone
Concen: 211.525 ug/l
RT: 4.694 min Scan# 1043
Delta R.T. -0.006 min
Lab File: VU054300.D
Acq: 26 May 2023 20:57

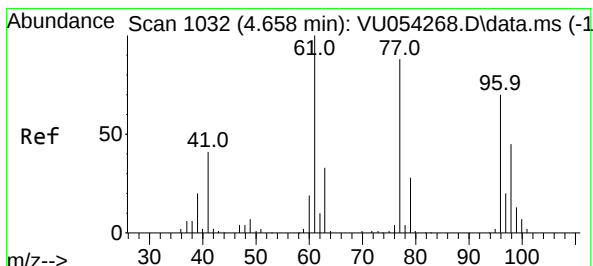
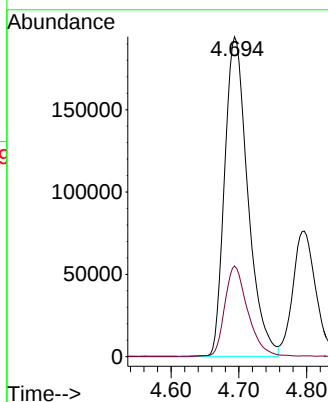
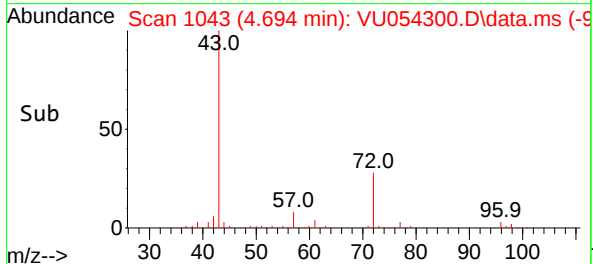
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC



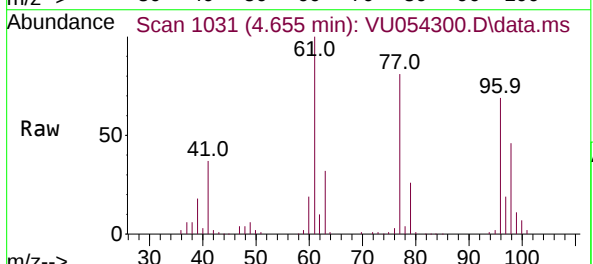
Tgt Ion: 43 Resp: 46162
Ion Ratio Lower Upper
43 100
72 28.4 23.8 35.6

Manual Integrations
APPROVED

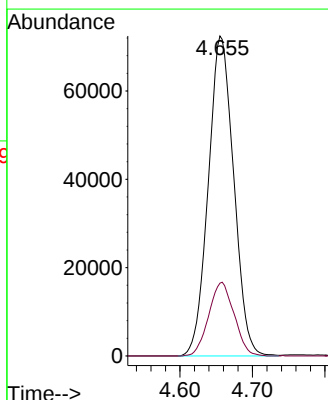
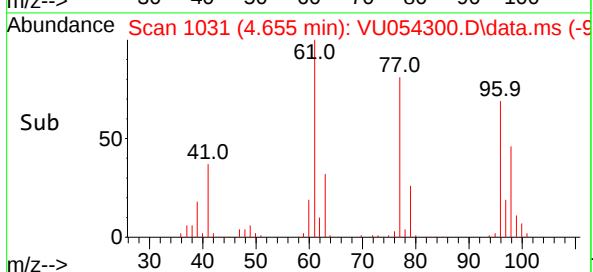
Reviewed By :John Carlone 05/30/2023
Supervised By :Mahesh Dadoda 05/31/2023

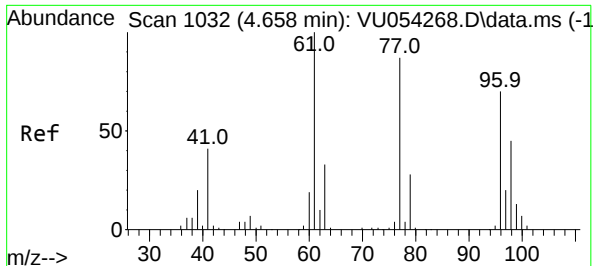


#26
2,2-Dichloropropane
Concen: 43.455 ug/l
RT: 4.655 min Scan# 1031
Delta R.T. -0.003 min
Lab File: VU054300.D
Acq: 26 May 2023 20:57



Tgt Ion: 77 Resp: 176327
Ion Ratio Lower Upper
77 100
97 23.0 11.6 34.8





#27

cis-1,2-Dichloroethene

Concen: 51.184 ug/l

RT: 4.658 min Scan# 1032

Delta R.T. 0.000 min

Lab File: VU054300.D

Acq: 26 May 2023 20:57

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 96 Resp: 143830

Ion Ratio Lower Upper

96 100

61 142.3 0.0 271.6

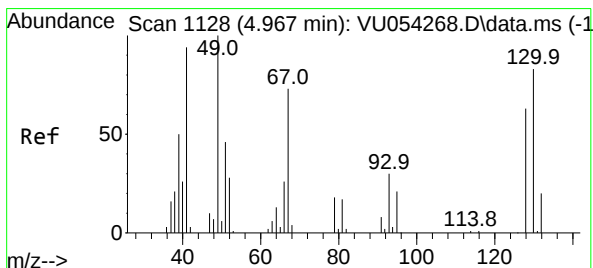
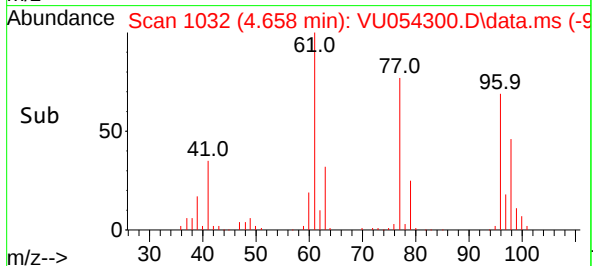
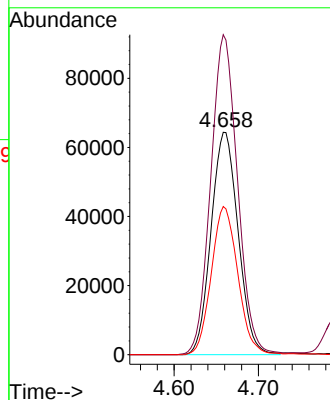
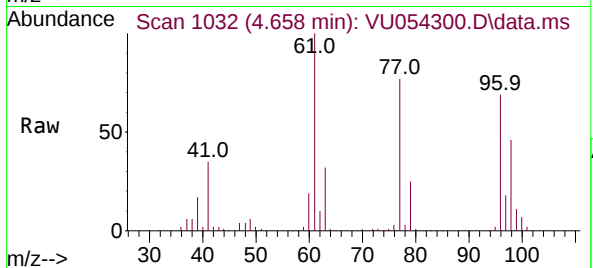
98 65.2 0.0 128.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/30/2023

Supervised By :Mahesh Dadoda 05/31/2023



#28

Bromochloromethane

Concen: 52.437 ug/l

RT: 4.964 min Scan# 1127

Delta R.T. -0.003 min

Lab File: VU054300.D

Acq: 26 May 2023 20:57

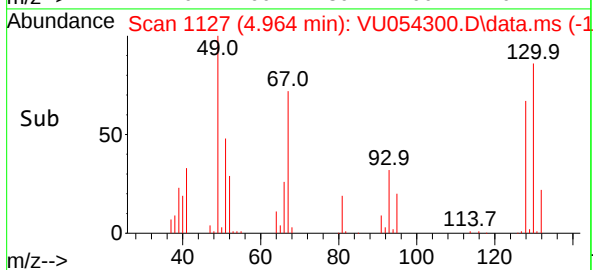
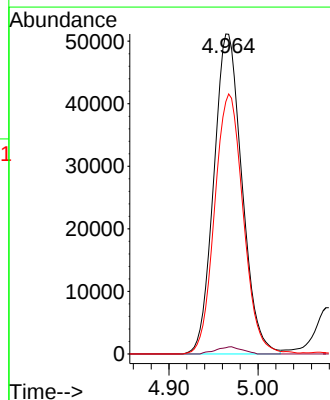
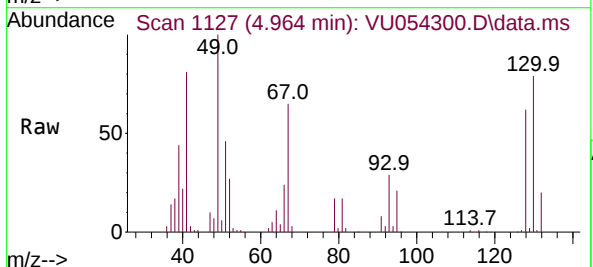
Tgt Ion: 49 Resp: 112667

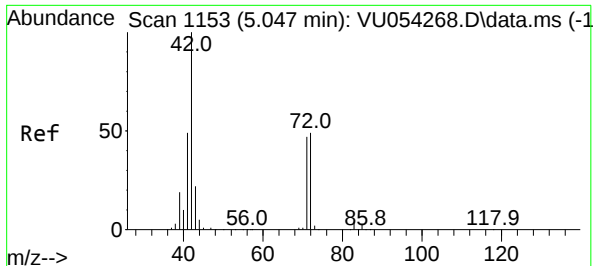
Ion Ratio Lower Upper

49 100

129 2.1 0.0 4.6

130 82.5 76.9 115.3





#29

Tetrahydrofuran

Concen: 217.225 ug/l

RT: 5.044 min Scan# 1153

Delta R.T. -0.003 min

Lab File: VU054300.D

Acq: 26 May 2023 20:57

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

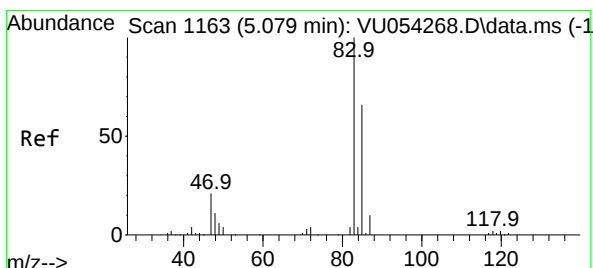
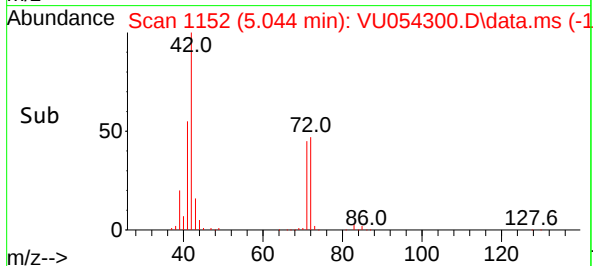
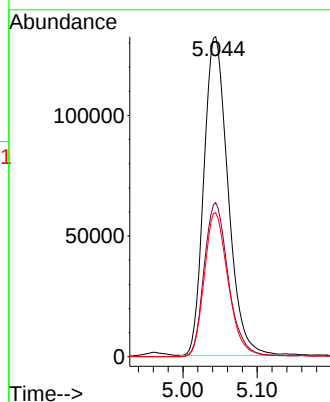
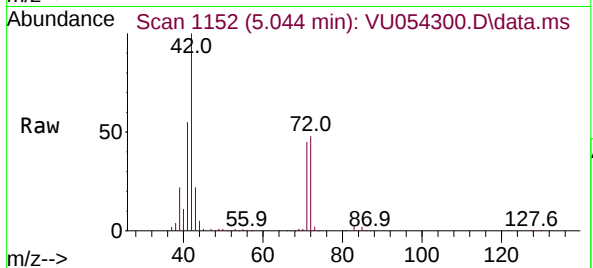
Tgt Ion:	42	Resp:	29798
Ion Ratio	Lower	Upper	
42	100		
72	48.9	42.6	63.8
71	45.1	40.3	60.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/30/2023

Supervised By :Mahesh Dadoda 05/31/2023



#30

Chloroform

Concen: 49.641 ug/l

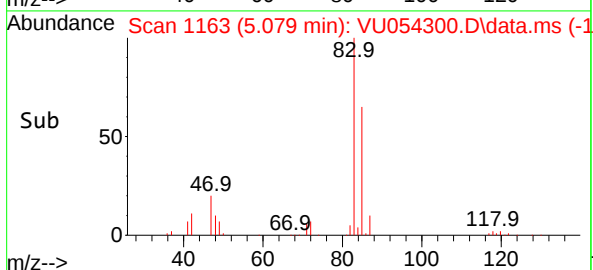
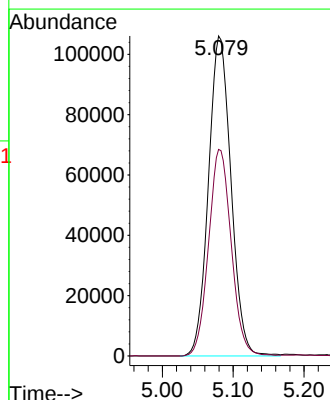
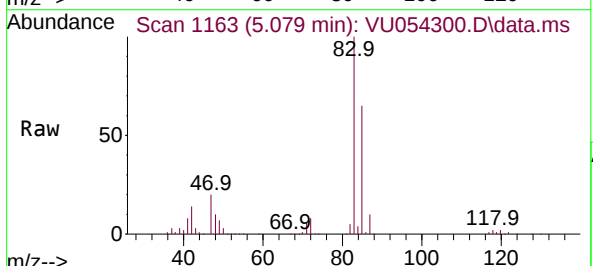
RT: 5.079 min Scan# 1163

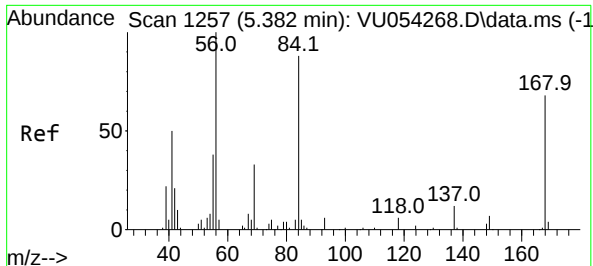
Delta R.T. 0.000 min

Lab File: VU054300.D

Acq: 26 May 2023 20:57

Tgt Ion:	83	Resp:	234298
Ion Ratio	Lower	Upper	
83	100		
85	64.6	51.2	76.8





#31

Cyclohexane

Concen: 49.320 ug/l

RT: 5.378 min Scan# 1256

Delta R.T. -0.004 min

Lab File: VU054300.D

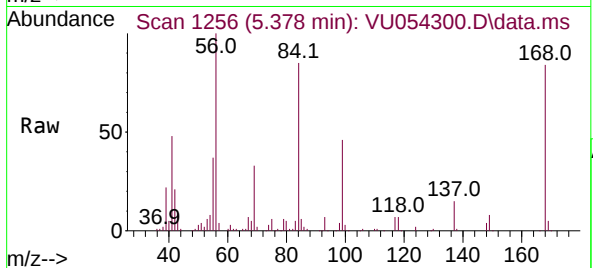
Acq: 26 May 2023 20:57

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC



Tgt Ion: 56 Resp: 200260

Ion Ratio Lower Upper

56 100

69 33.4 27.8 41.8

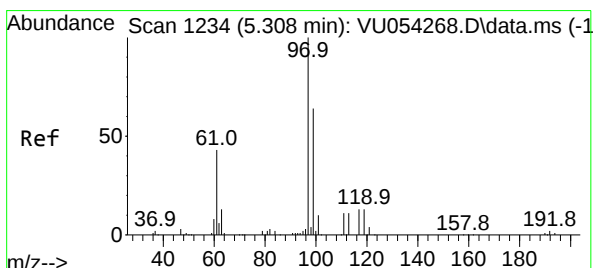
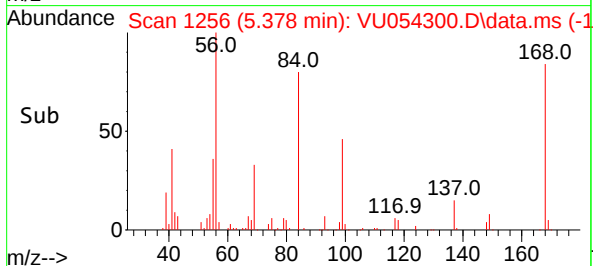
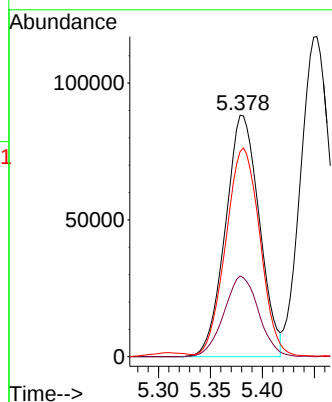
84 83.5 74.2 111.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/30/2023

Supervised By :Mahesh Dadoda 05/31/2023



#32

1,1,1-Trichloroethane

Concen: 50.210 ug/l

RT: 5.308 min Scan# 1234

Delta R.T. -0.000 min

Lab File: VU054300.D

Acq: 26 May 2023 20:57

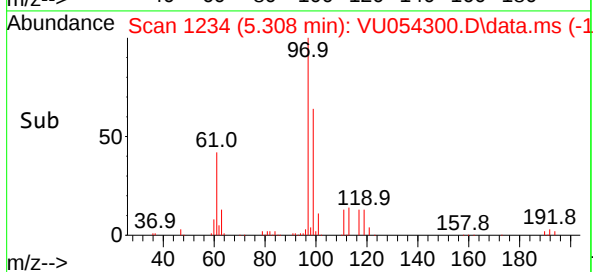
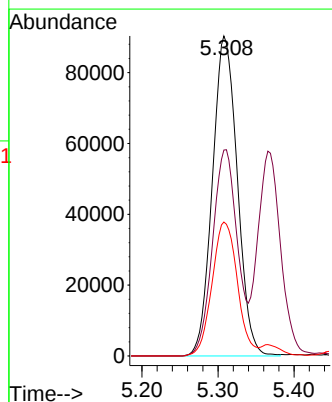
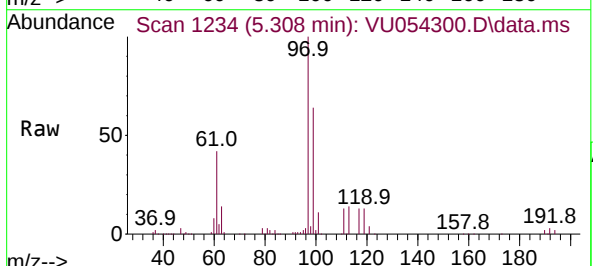
Tgt Ion: 97 Resp: 205740

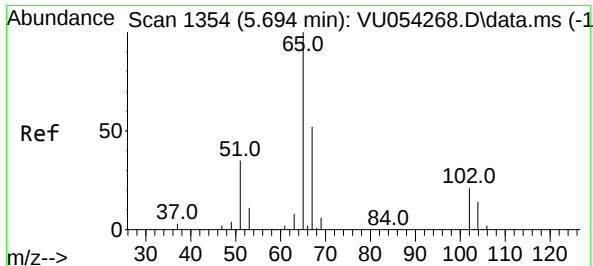
Ion Ratio Lower Upper

97 100

99 64.5 51.8 77.6

61 42.5 35.1 52.7





#33

1,2-Dichloroethane-d4

Concen: 50.383 ug/l

RT: 5.694 min Scan# 11

Delta R.T. -0.000 min

Lab File: VU054300.D

Acq: 26 May 2023 20:57

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 65 Resp: 14488

Ion Ratio Lower Upper

65 100

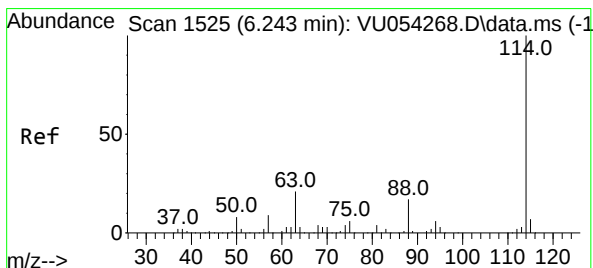
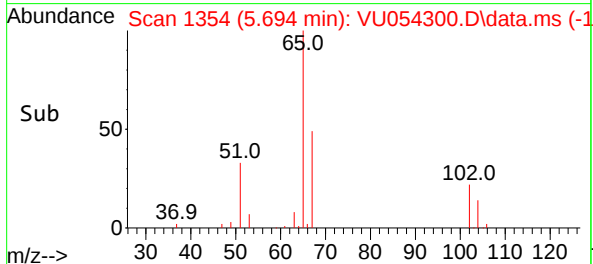
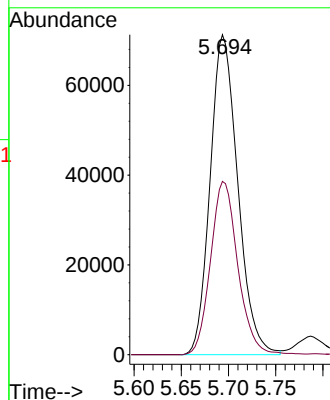
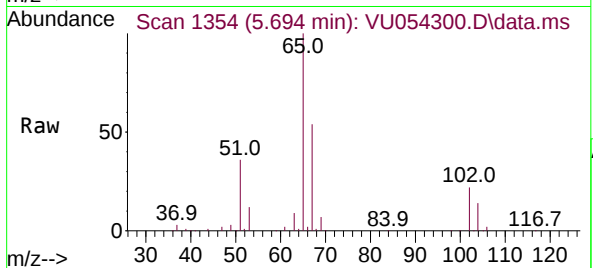
67 53.6 0.0 108.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/30/2023

Supervised By :Mahesh Dadoda 05/31/2023



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.243 min Scan# 1525

Delta R.T. 0.000 min

Lab File: VU054300.D

Acq: 26 May 2023 20:57

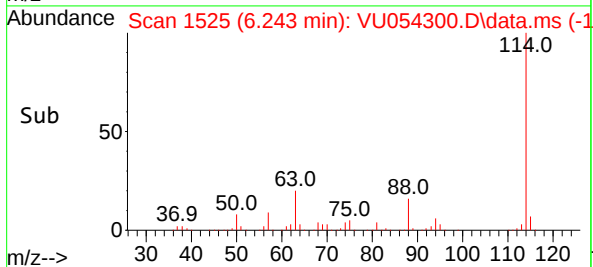
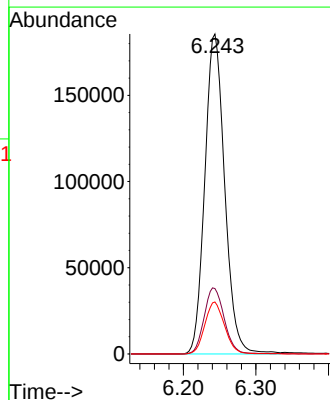
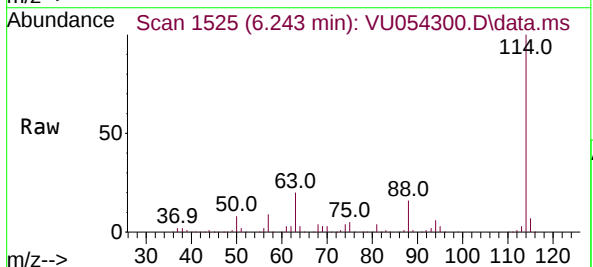
Tgt Ion:114 Resp: 354092

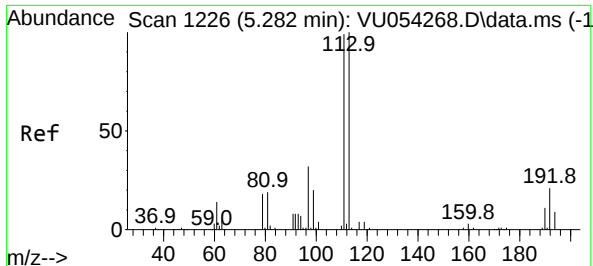
Ion Ratio Lower Upper

114 100

63 20.4 0.0 37.8

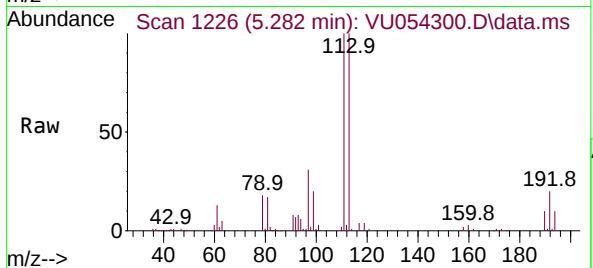
88 16.2 0.0 29.2





#35
Dibromofluoromethane
Concen: 51.364 ug/l
RT: 5.282 min Scan# 1112
Delta R.T. 0.000 min
Lab File: VU054300.D
Acq: 26 May 2023 20:57

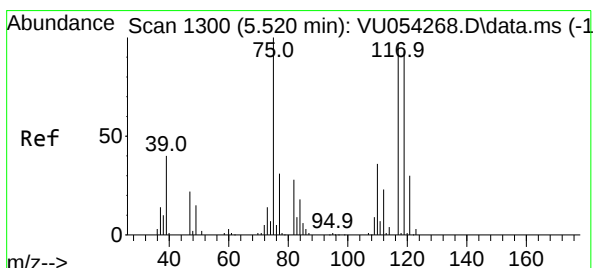
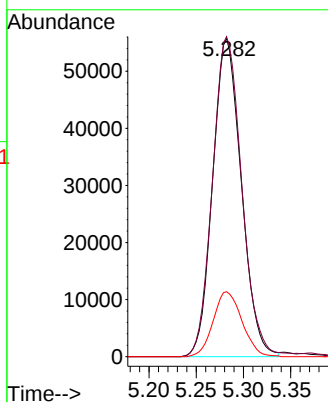
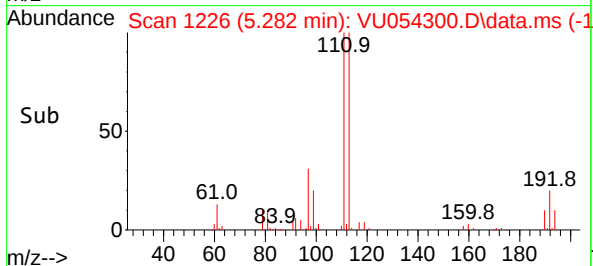
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC



Tgt Ion: 113 Resp: 11712
Ion Ratio Lower Upper
113 100
111 103.2 82.1 123.1
192 20.6 18.0 27.0

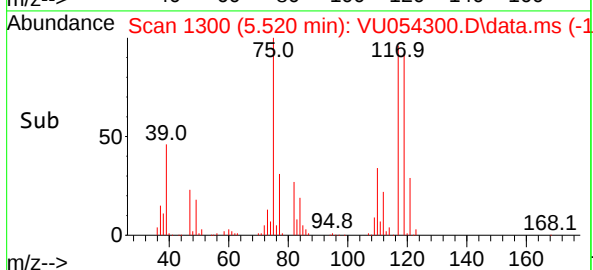
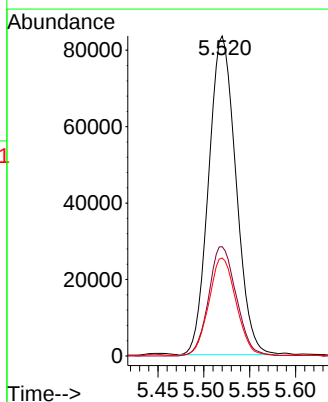
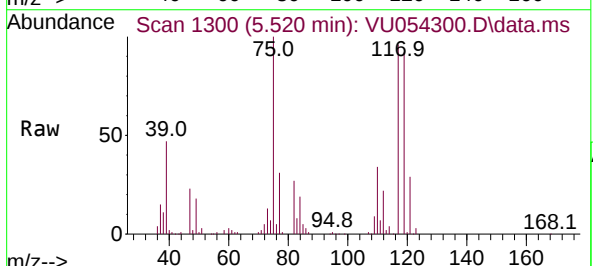
Manual Integrations
APPROVED

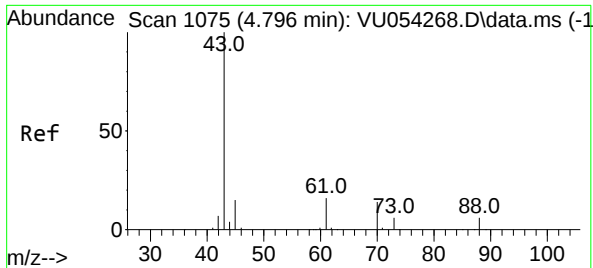
Reviewed By :John Carlone 05/30/2023
Supervised By :Mahesh Dadoda 05/31/2023



#36
1,1-Dichloropropene
Concen: 48.179 ug/l
RT: 5.520 min Scan# 1300
Delta R.T. -0.000 min
Lab File: VU054300.D
Acq: 26 May 2023 20:57

Tgt Ion: 75 Resp: 172555
Ion Ratio Lower Upper
75 100
110 34.8 18.4 55.2
77 30.3 25.1 37.7





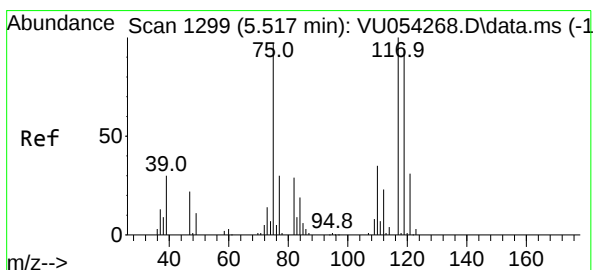
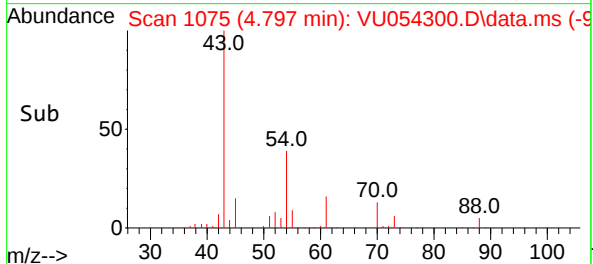
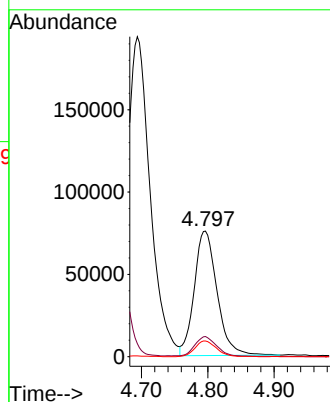
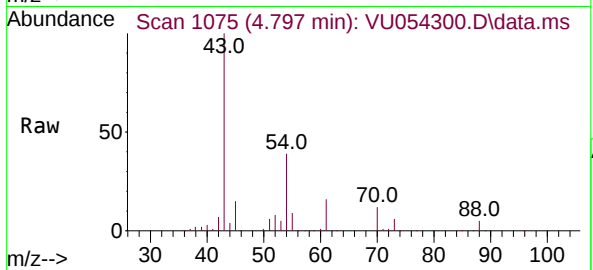
#37
Ethyl Acetate
Concen: 41.428 ug/l
RT: 4.797 min Scan# 1075
Delta R.T. 0.000 min
Lab File: VU054300.D
Acq: 26 May 2023 20:57

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 180829
Ion Ratio Lower Upper
43 100
61 15.3 9.5 14.3
70 11.9 7.5 11.3

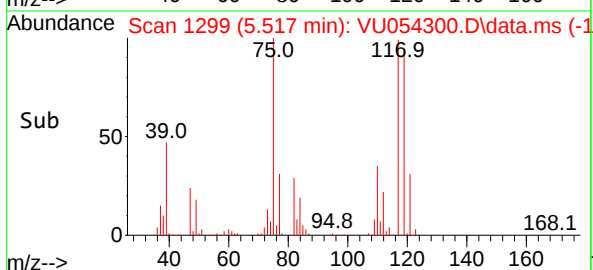
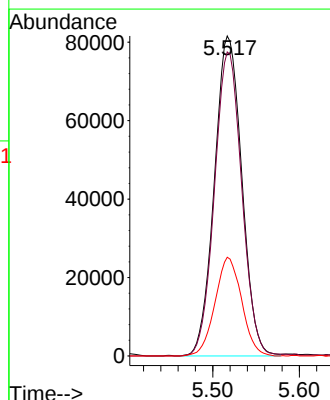
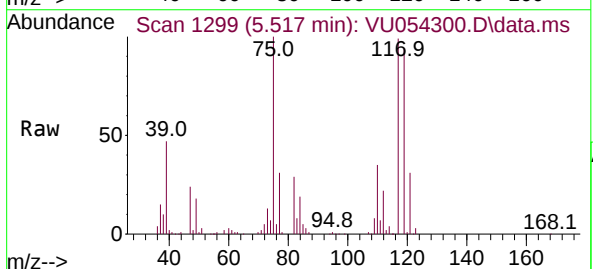
Manual Integrations
APPROVED

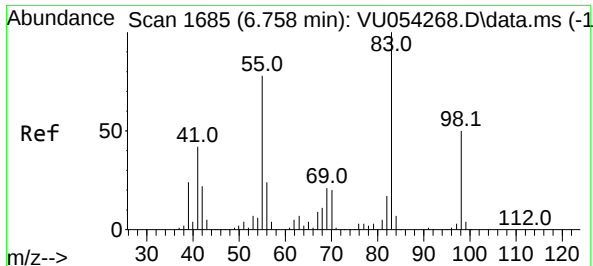
Reviewed By :John Carlone 05/30/2023
Supervised By :Mahesh Dadoda 05/31/2023



#38
Carbon Tetrachloride
Concen: 49.029 ug/l
RT: 5.517 min Scan# 1299
Delta R.T. -0.000 min
Lab File: VU054300.D
Acq: 26 May 2023 20:57

Tgt Ion:117 Resp: 179734
Ion Ratio Lower Upper
117 100
119 95.0 76.8 115.2
121 30.8 24.7 37.1





#39

Methylcyclohexane

Concen: 48.657 ug/l

RT: 6.758 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU054300.D

Acq: 26 May 2023 20:57

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 83 Resp: 19738

Ion Ratio Lower Upper

83 100

55 76.5 55.3 82.9

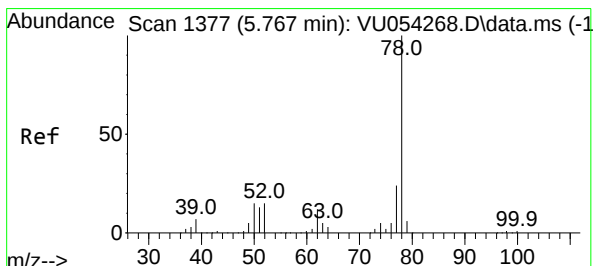
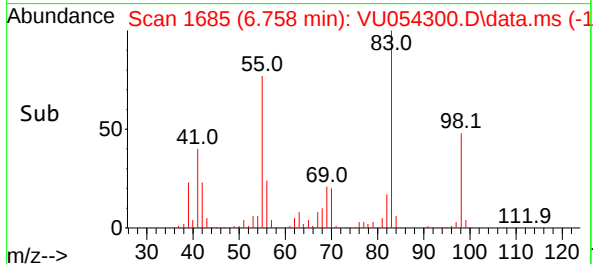
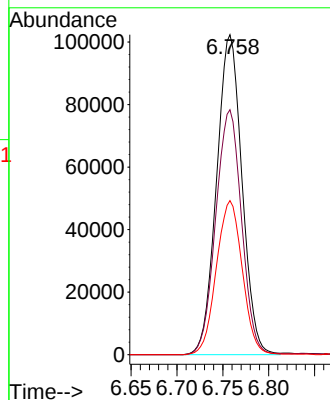
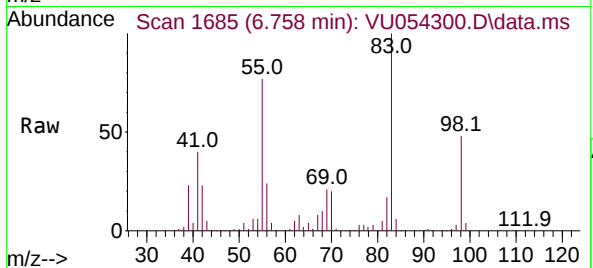
98 48.2 37.3 55.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/30/2023

Supervised By :Mahesh Dadoda 05/31/2023



#40

Benzene

Concen: 49.930 ug/l

RT: 5.768 min Scan# 1377

Delta R.T. 0.001 min

Lab File: VU054300.D

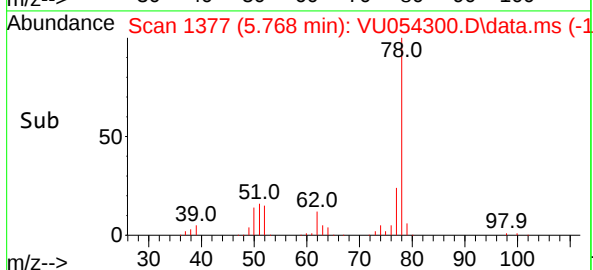
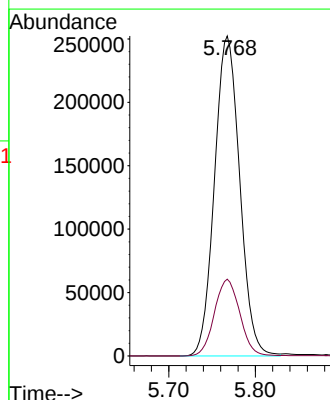
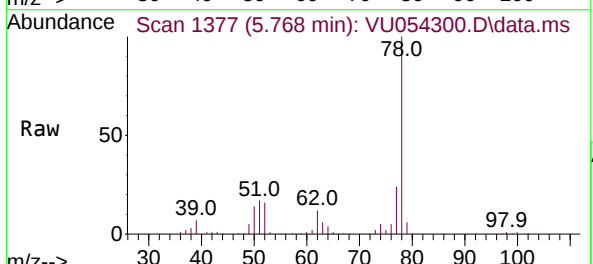
Acq: 26 May 2023 20:57

Tgt Ion: 78 Resp: 510082

Ion Ratio Lower Upper

78 100

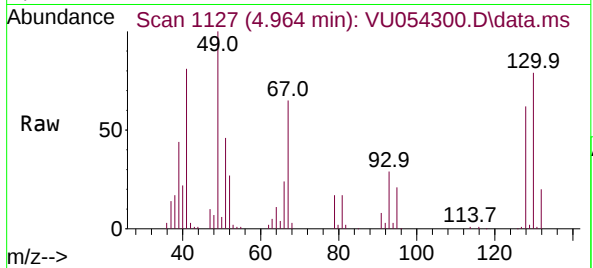
77 24.0 18.8 28.2





#41
Methacrylonitrile
Concen: 46.264 ug/l
RT: 4.964 min Scan# 1127
Delta R.T. -0.003 min
Lab File: VU054300.D
Acq: 26 May 2023 20:57

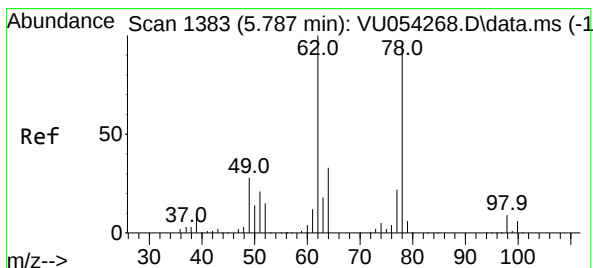
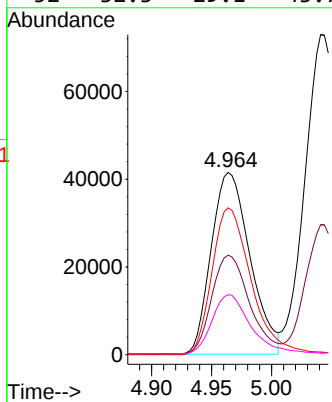
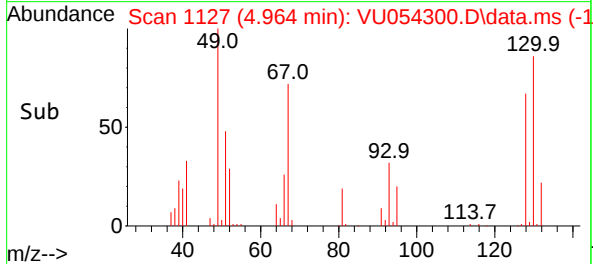
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC



Tgt Ion: 41 Resp: 93330
Ion Ratio Lower Upper
41 100
39 53.1 43.1 64.7
67 82.6 72.3 108.5
52 32.3 29.1 43.7

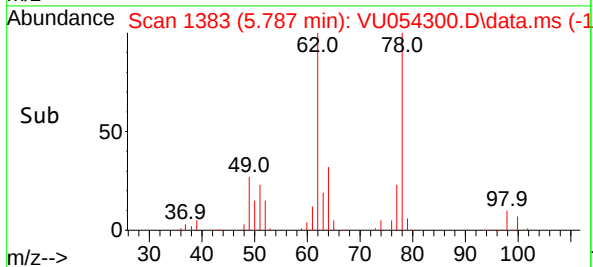
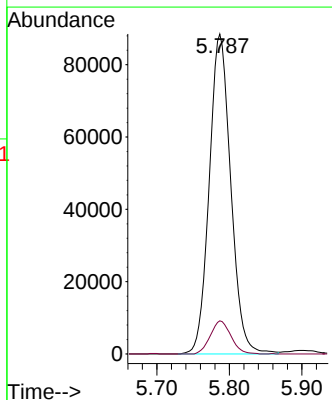
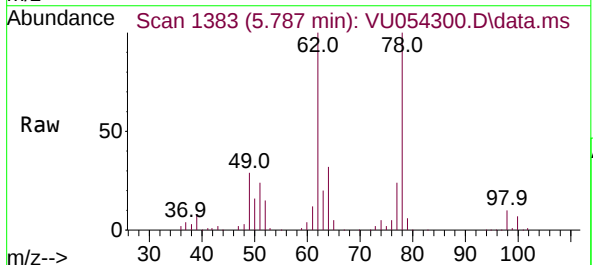
Manual Integrations
APPROVED

Reviewed By :John Carlone 05/30/2023
Supervised By :Mahesh Dadoda 05/31/2023



#42
1,2-Dichloroethane
Concen: 49.185 ug/l
RT: 5.787 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VU054300.D
Acq: 26 May 2023 20:57

Tgt Ion: 62 Resp: 182534
Ion Ratio Lower Upper
62 100
98 9.9 0.0 18.6





#43

Isopropyl Acetate

Concen: 46.678 ug/l

RT: 5.903 min Scan# 1419

Delta R.T. -0.000 min

Lab File: VU054300.D

Acq: 26 May 2023 20:57

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 43 Resp: 28103

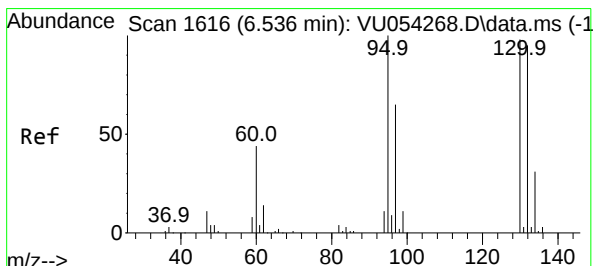
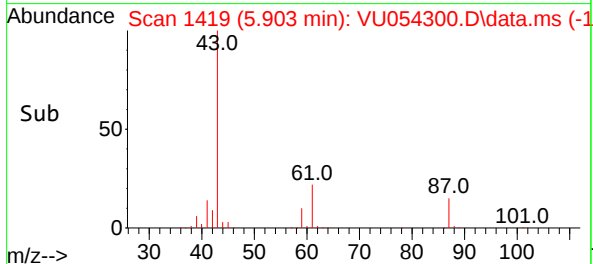
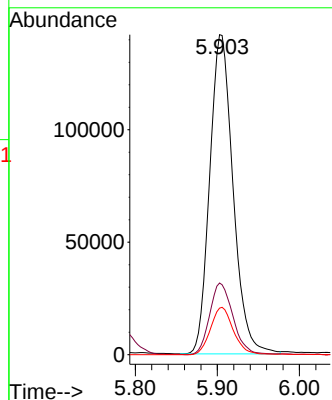
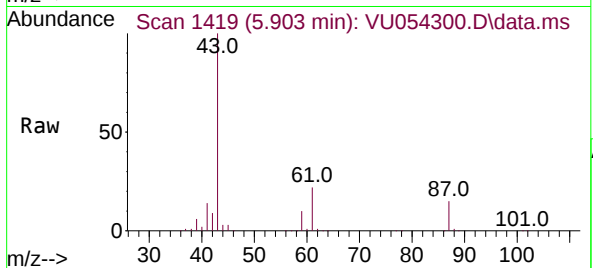
Ion	Ratio	Lower	Upper
43	100		
61	22.4	17.4	26.0
87	14.5	12.6	18.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/30/2023

Supervised By :Mahesh Dadoda 05/31/2023



#44

Trichloroethene

Concen: 49.384 ug/l

RT: 6.536 min Scan# 1616

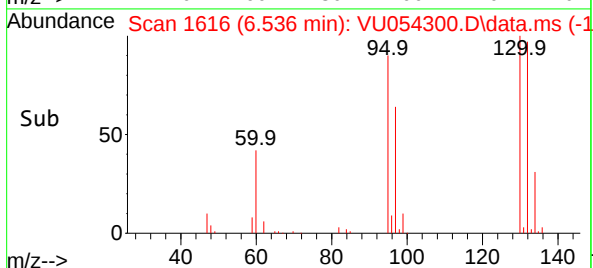
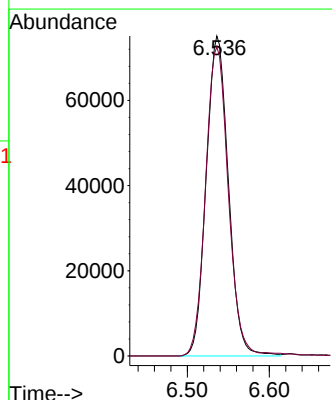
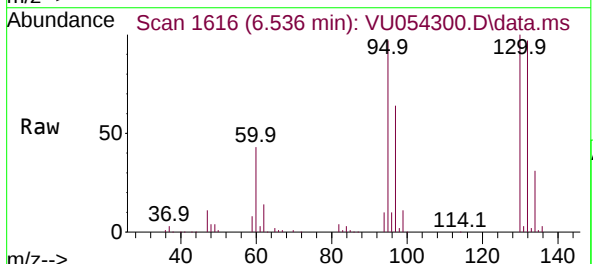
Delta R.T. -0.000 min

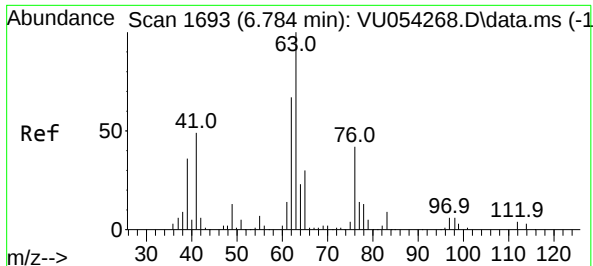
Lab File: VU054300.D

Acq: 26 May 2023 20:57

Tgt Ion:130 Resp: 141028

Ion	Ratio	Lower	Upper
130	100		
95	96.6	0.0	184.6





#45

1,2-Dichloropropane

Concen: 50.475 ug/l

RT: 6.784 min Scan# 1693

Delta R.T. -0.000 min

Lab File: VU054300.D

Acq: 26 May 2023 20:57

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 63 Resp: 134519

Ion Ratio Lower Upper

63 100

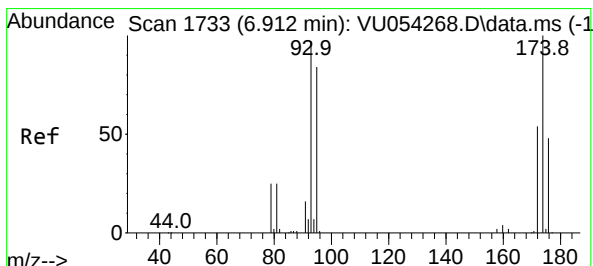
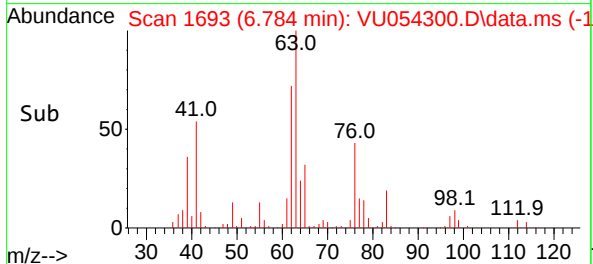
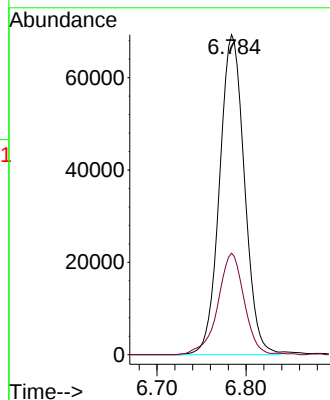
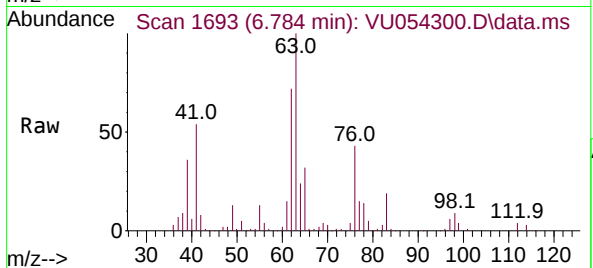
65 31.5 25.0 37.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/30/2023

Supervised By :Mahesh Dadoda 05/31/2023



#46

Dibromomethane

Concen: 49.268 ug/l

RT: 6.912 min Scan# 1733

Delta R.T. 0.000 min

Lab File: VU054300.D

Acq: 26 May 2023 20:57

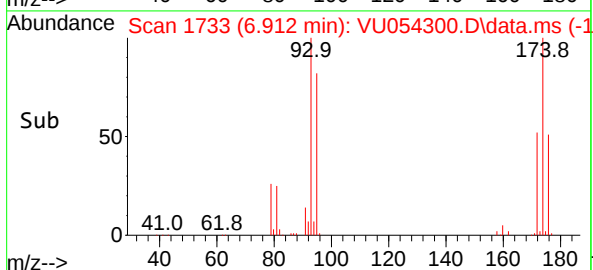
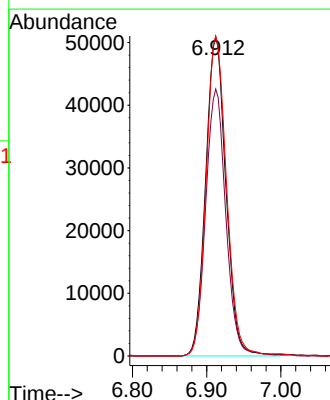
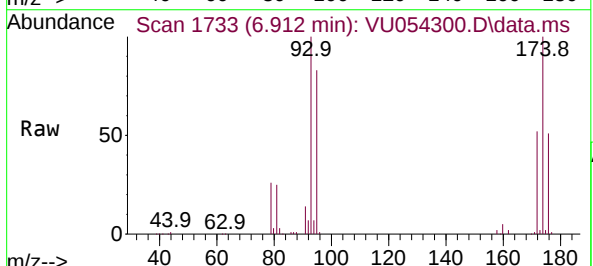
Tgt Ion: 93 Resp: 96651

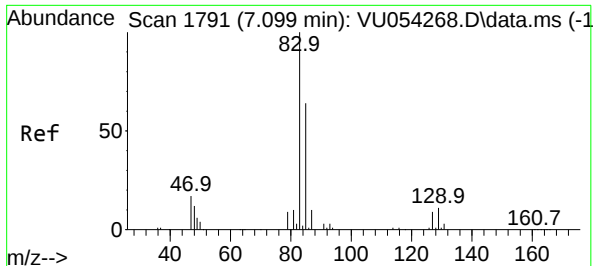
Ion Ratio Lower Upper

93 100

95 83.2 66.3 99.5

174 100.4 88.2 132.4





#47

Bromodichloromethane

Concen: 49.698 ug/l

RT: 7.099 min Scan# 1791

Delta R.T. -0.000 min

Lab File: VU054300.D

Acq: 26 May 2023 20:57

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

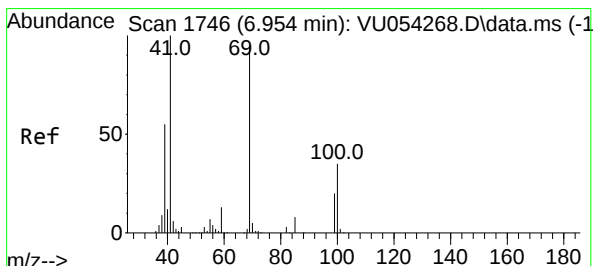
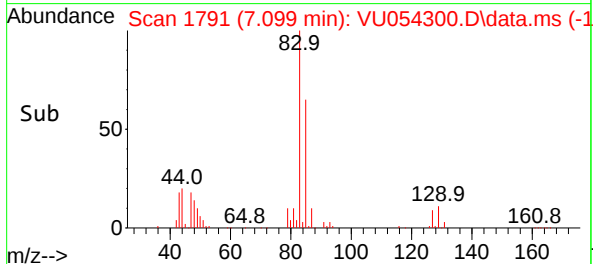
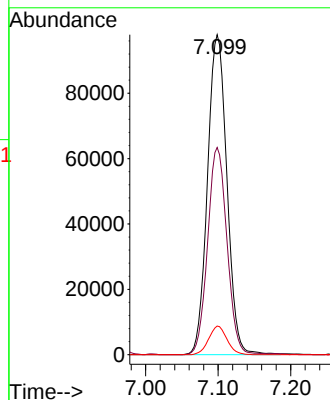
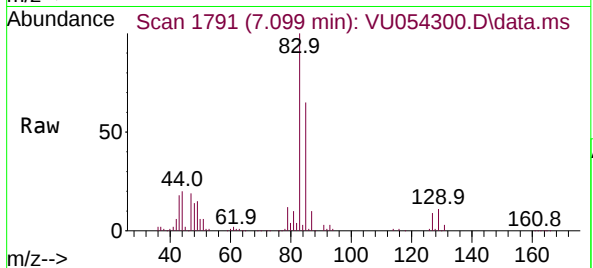
Tgt Ion:	83	Resp:	18232
Ion	Ratio	Lower	Upper
83	100		
85	64.8	51.4	77.2
127	9.0	7.1	10.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/30/2023

Supervised By :Mahesh Dadoda 05/31/2023



#48

Methyl methacrylate

Concen: 48.418 ug/l

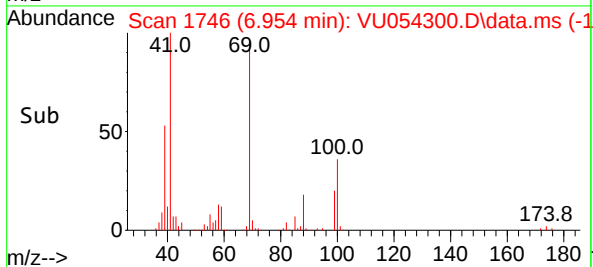
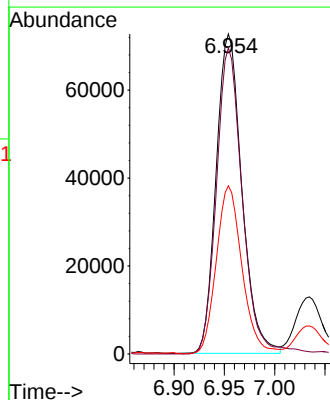
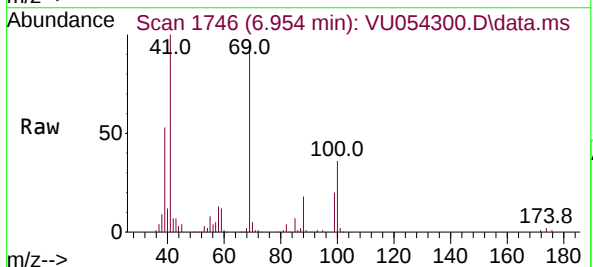
RT: 6.954 min Scan# 1746

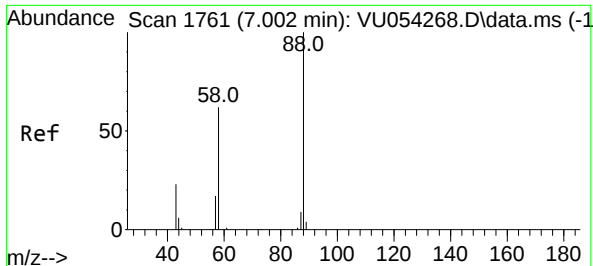
Delta R.T. -0.000 min

Lab File: VU054300.D

Acq: 26 May 2023 20:57

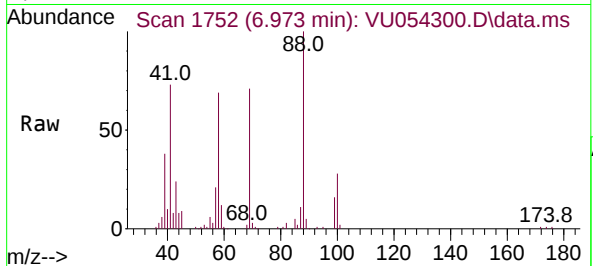
Tgt Ion:	41	Resp:	129278
Ion	Ratio	Lower	Upper
41	100		
69	96.6	79.8	119.6
39	52.8	47.9	71.9





#49
1,4-Dioxane
Concen: 844.936 ug/l
RT: 6.973 min Scan# 1761
Delta R.T. -0.029 min
Lab File: VU054300.D
Acq: 26 May 2023 20:57

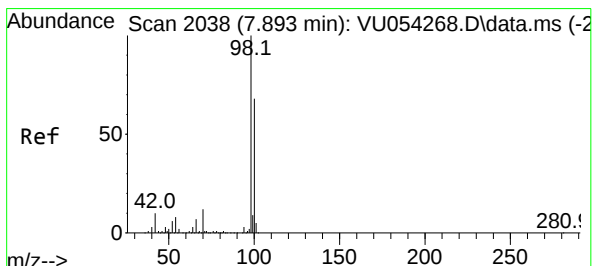
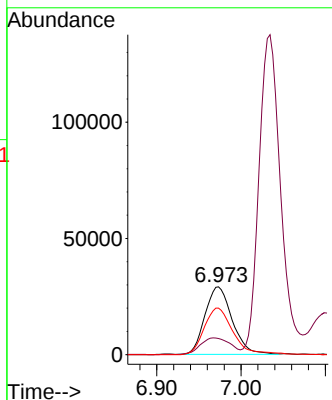
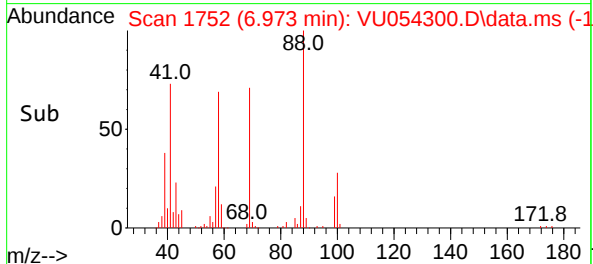
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC



Tgt Ion: 88 Resp: 65129
Ion Ratio Lower Upper
88 100
43 26.8 0.0 0.0
58 74.2 15.4 23.0

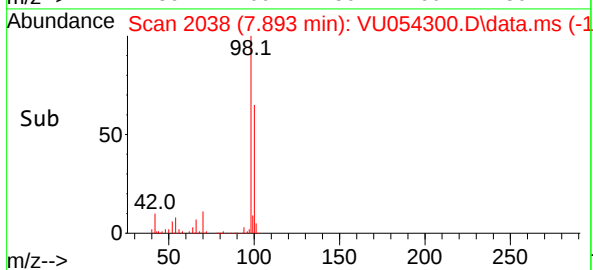
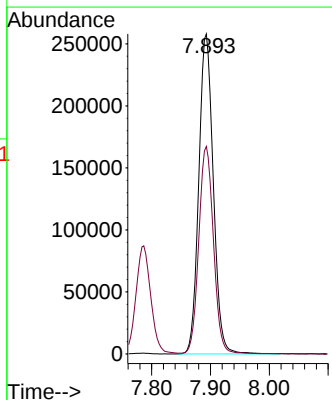
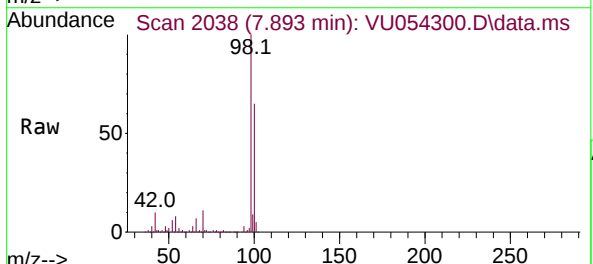
Manual Integrations
APPROVED

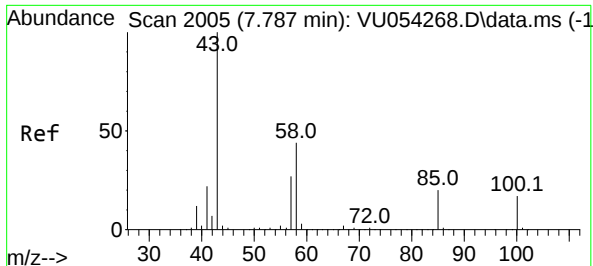
Reviewed By :John Carlone 05/30/2023
Supervised By :Mahesh Dadoda 05/31/2023



#50
Toluene-d8
Concen: 50.938 ug/l
RT: 7.893 min Scan# 2038
Delta R.T. -0.000 min
Lab File: VU054300.D
Acq: 26 May 2023 20:57

Tgt Ion: 98 Resp: 441809
Ion Ratio Lower Upper
98 100
100 65.4 51.7 77.5





#51

4-Methyl-2-Pentanone

Concen: 224.379 ug/l

RT: 7.784 min Scan# 2005

Delta R.T. -0.003 min

Lab File: VU054300.D

Acq: 26 May 2023 20:57

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 43 Resp: 90152

Ion Ratio Lower Upper

43 100

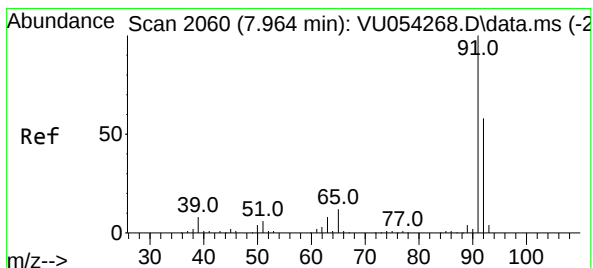
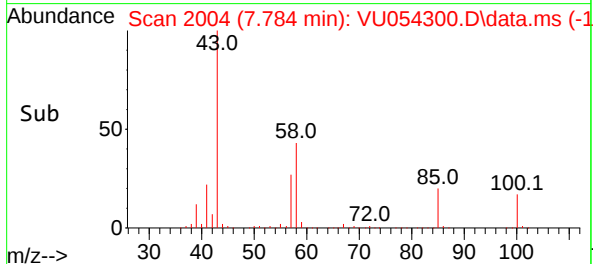
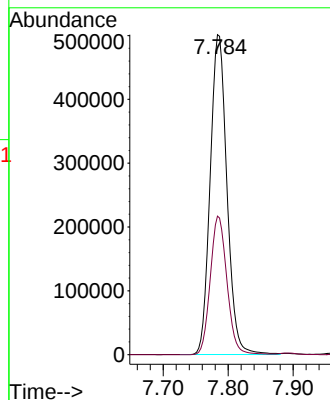
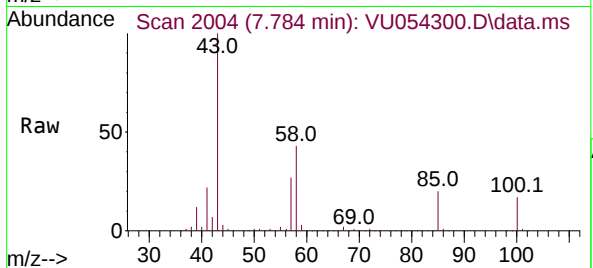
58 43.0 34.7 52.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/30/2023

Supervised By :Mahesh Dadoda 05/31/2023



#52

Toluene

Concen: 49.126 ug/l

RT: 7.964 min Scan# 2060

Delta R.T. -0.000 min

Lab File: VU054300.D

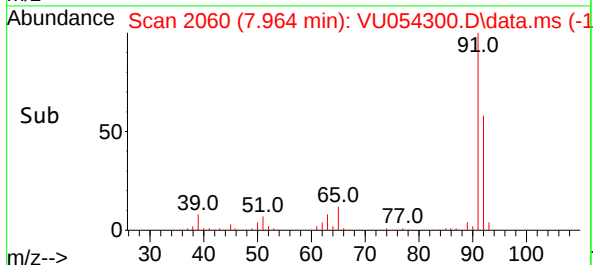
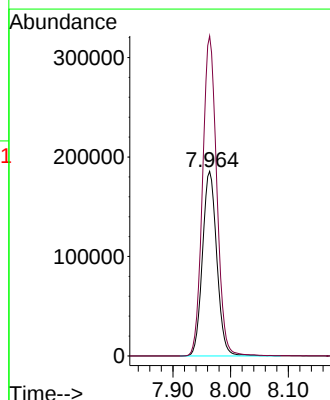
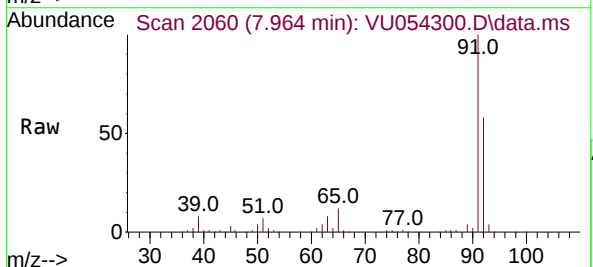
Acq: 26 May 2023 20:57

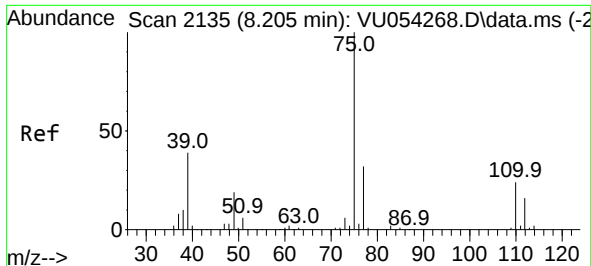
Tgt Ion: 92 Resp: 320006

Ion Ratio Lower Upper

92 100

91 172.0 138.2 207.4





#53
 t-1,3-Dichloropropene
 Concen: 48.903 ug/l
 RT: 8.205 min Scan# 2135
 Delta R.T. -0.000 min
 Lab File: VU054300.D
 Acq: 26 May 2023 20:57

Instrument :

MSVOA_U

ClientSampleId :

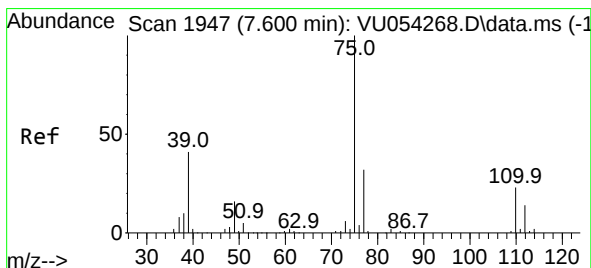
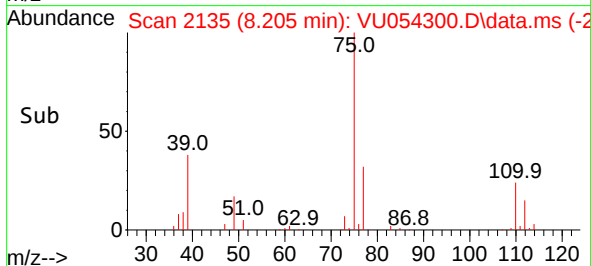
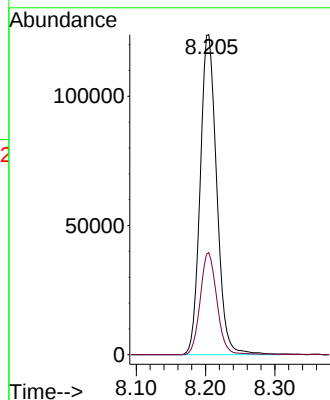
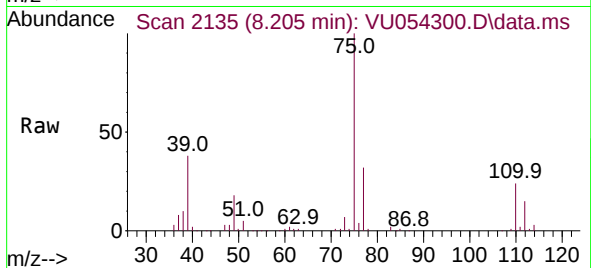
VSTDCCC050EC

Tgt Ion: 75 Resp: 20526
 Ion Ratio Lower Upper
 75 100
 77 31.9 25.4 38.0

Manual Integrations

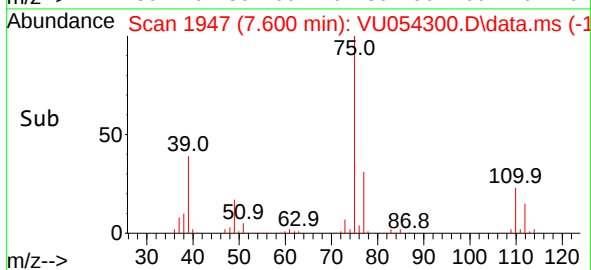
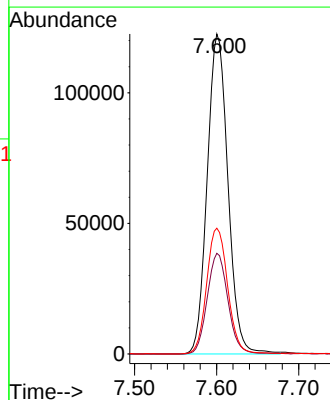
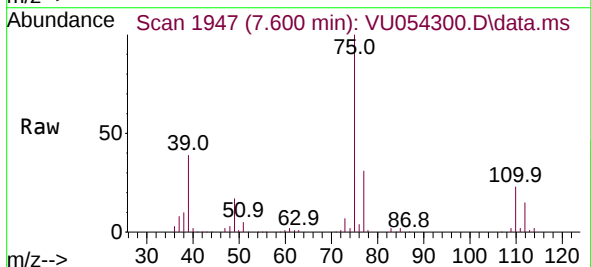
APPROVED

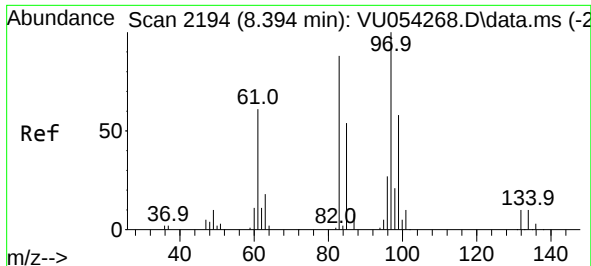
Reviewed By :John Carlone 05/30/2023
 Supervised By :Mahesh Dadoda 05/31/2023



#54
 cis-1,3-Dichloropropene
 Concen: 49.166 ug/l
 RT: 7.600 min Scan# 1947
 Delta R.T. 0.000 min
 Lab File: VU054300.D
 Acq: 26 May 2023 20:57

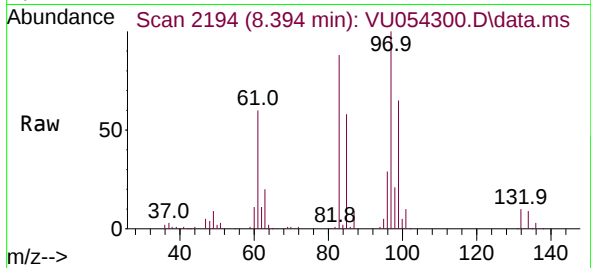
Tgt Ion: 75 Resp: 215361
 Ion Ratio Lower Upper
 75 100
 77 31.5 25.7 38.5
 39 39.3 33.0 49.6





#55
1,1,2-Trichloroethane
Concen: 47.748 ug/l
RT: 8.394 min Scan# 2194
Delta R.T. 0.000 min
Lab File: VU054300.D
Acq: 26 May 2023 20:57

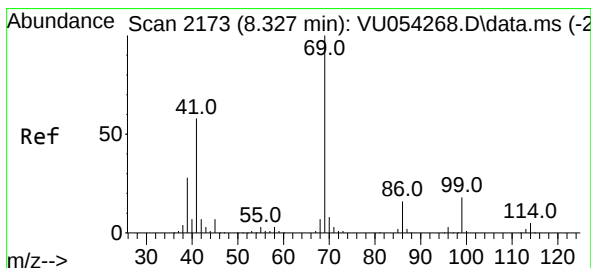
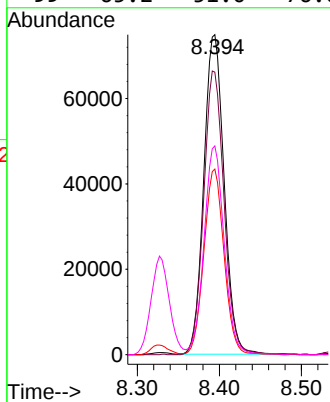
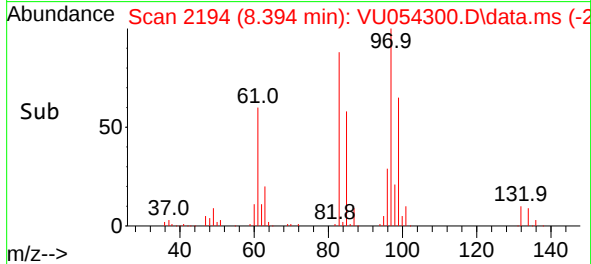
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC



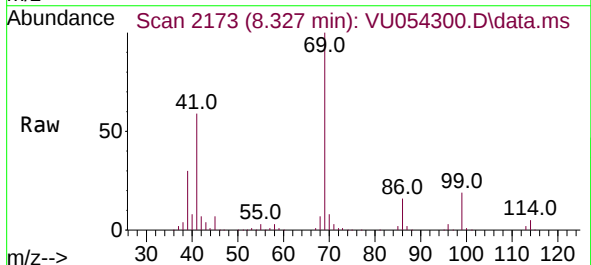
Tgt Ion: 97 Resp: 128899
Ion Ratio Lower Upper
97 100
83 88.5 70.2 105.4
85 57.9 44.6 66.8
99 65.2 51.0 76.6

Manual Integrations
APPROVED

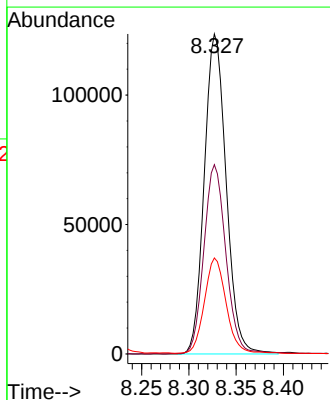
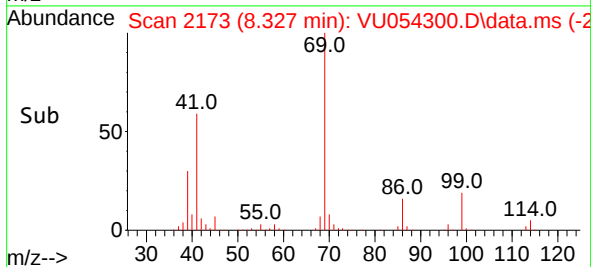
Reviewed By :John Carlone 05/30/2023
Supervised By :Mahesh Dadoda 05/31/2023

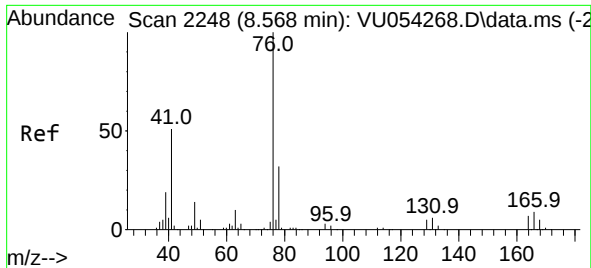


#56
Ethyl methacrylate
Concen: 49.580 ug/l
RT: 8.327 min Scan# 2173
Delta R.T. -0.000 min
Lab File: VU054300.D
Acq: 26 May 2023 20:57



Tgt Ion: 69 Resp: 199233
Ion Ratio Lower Upper
69 100
41 59.9 45.4 68.0
39 29.6 25.7 38.5





#57
1,3-Dichloropropane
Concen: 48.741 ug/l
RT: 8.568 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU054300.D
Acq: 26 May 2023 20:57

Instrument :

MSVOA_U

ClientSampleId :

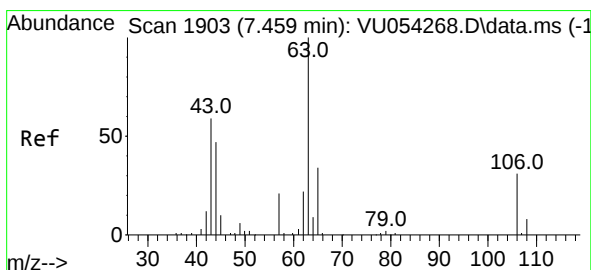
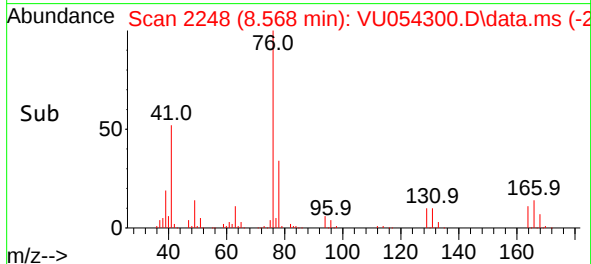
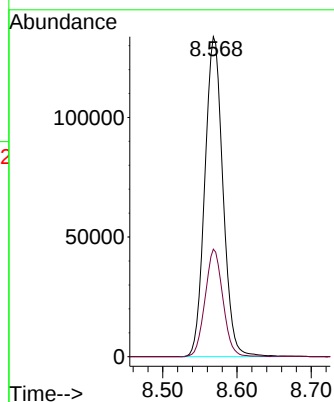
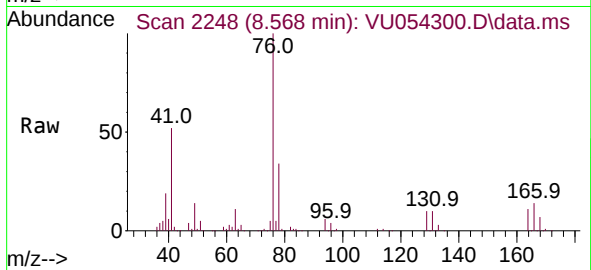
VSTDCCC050EC

Tgt Ion: 76 Resp: 22659
Ion Ratio Lower Upper
76 100
78 33.0 26.1 39.1

Manual Integrations

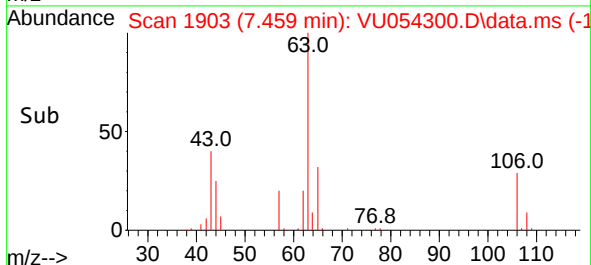
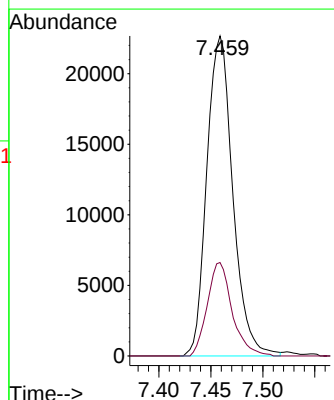
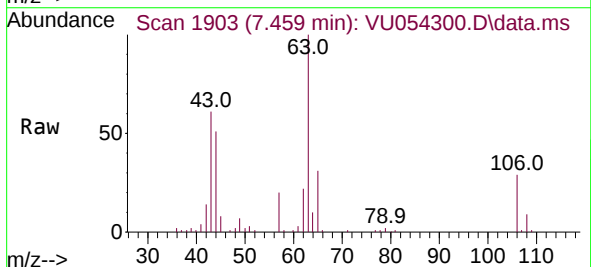
APPROVED

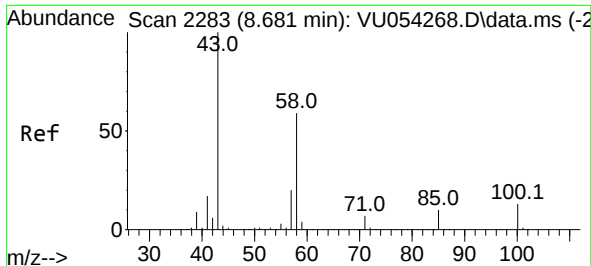
Reviewed By :John Carlone 05/30/2023
Supervised By :Mahesh Dadoda 05/31/2023



#58
2-Chloroethyl Vinyl ether
Concen: 153.063 ug/l
RT: 7.459 min Scan# 1903
Delta R.T. -0.000 min
Lab File: VU054300.D
Acq: 26 May 2023 20:57

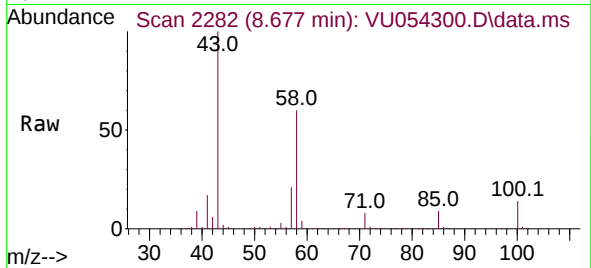
Tgt Ion: 63 Resp: 39435
Ion Ratio Lower Upper
63 100
106 27.9 23.1 34.7





#59
2-Hexanone
Concen: 216.545 ug/l
RT: 8.677 min Scan# 2182
Delta R.T. -0.004 min
Lab File: VU054300.D
Acq: 26 May 2023 20:57

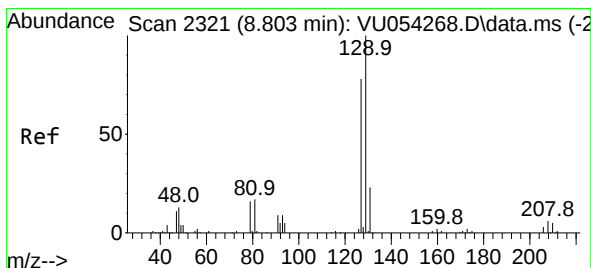
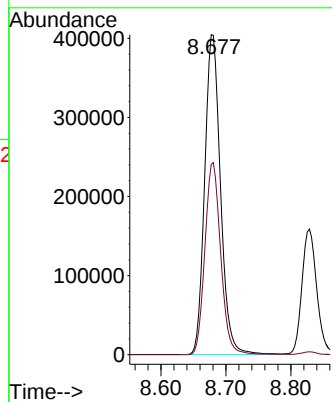
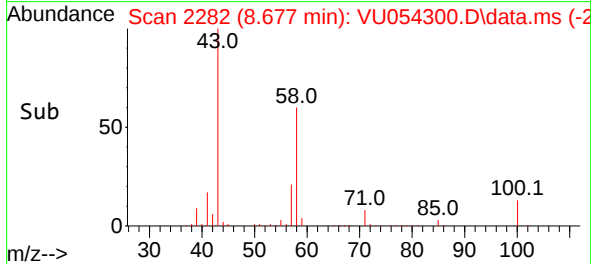
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC



Tgt Ion: 43 Resp: 687290
Ion Ratio Lower Upper
43 100
58 60.0 30.3 90.8

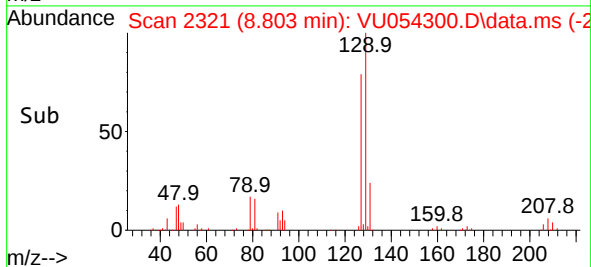
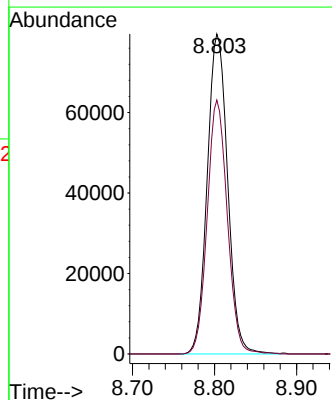
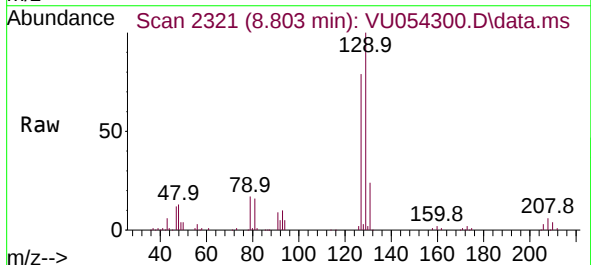
Manual Integrations
APPROVED

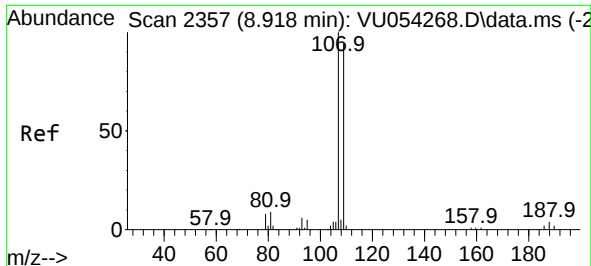
Reviewed By :John Carlone 05/30/2023
Supervised By :Mahesh Dadoda 05/31/2023



#60
Dibromochloromethane
Concen: 50.062 ug/l
RT: 8.803 min Scan# 2321
Delta R.T. -0.000 min
Lab File: VU054300.D
Acq: 26 May 2023 20:57

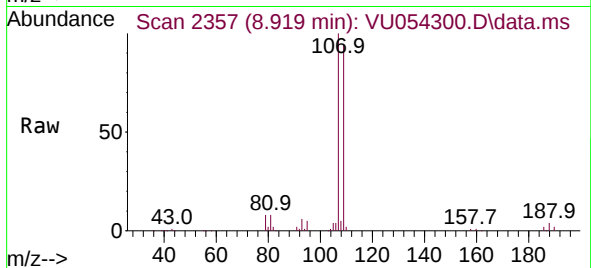
Tgt Ion:129 Resp: 137307
Ion Ratio Lower Upper
129 100
127 78.2 38.6 116.0





#61
1,2-Dibromoethane
Concen: 49.348 ug/l
RT: 8.919 min Scan# 214498
Delta R.T. 0.001 min
Lab File: VU054300.D
Acq: 26 May 2023 20:57

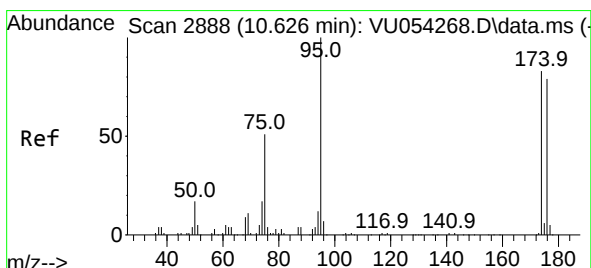
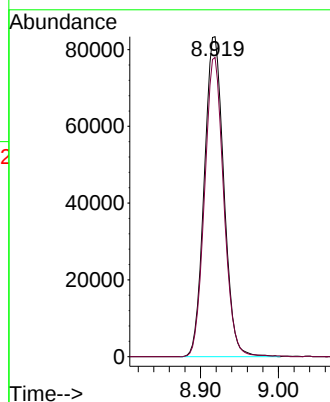
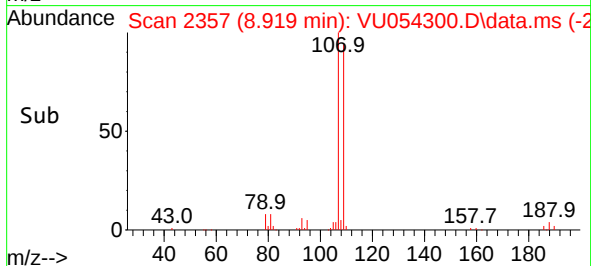
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC



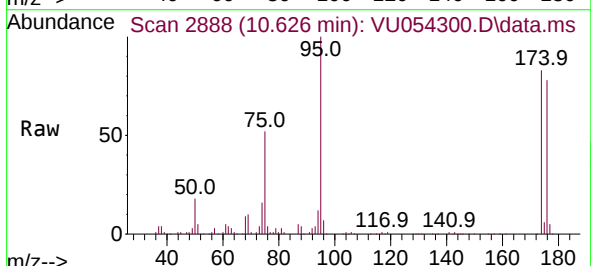
Tgt Ion:107 Resp: 14498
Ion Ratio Lower Upper
107 100
109 91.7 75.1 112.7

Manual Integrations
APPROVED

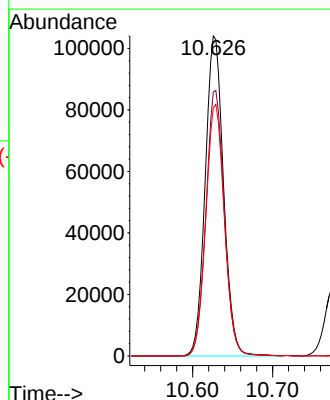
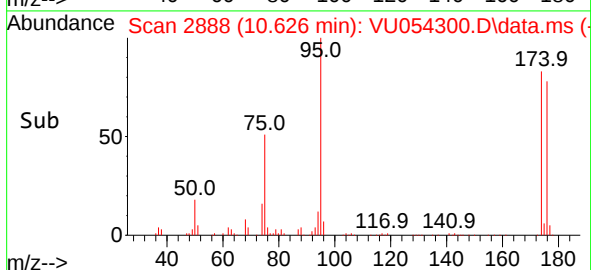
Reviewed By :John Carlone 05/30/2023
Supervised By :Mahesh Dadoda 05/31/2023

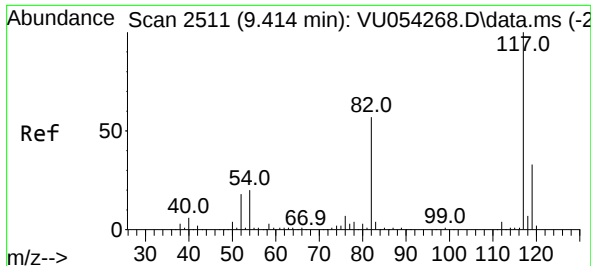


#62
4-Bromofluorobenzene
Concen: 49.358 ug/l
RT: 10.626 min Scan# 2888
Delta R.T. -0.000 min
Lab File: VU054300.D
Acq: 26 May 2023 20:57



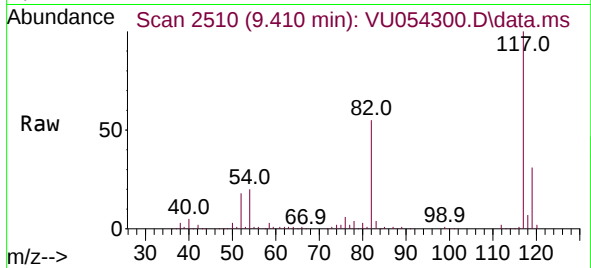
Tgt Ion: 95 Resp: 165994
Ion Ratio Lower Upper
95 100
174 83.1 0.0 182.0
176 79.7 0.0 177.8





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.410 min Scan# 2511
Delta R.T. -0.004 min
Lab File: VU054300.D
Acq: 26 May 2023 20:57

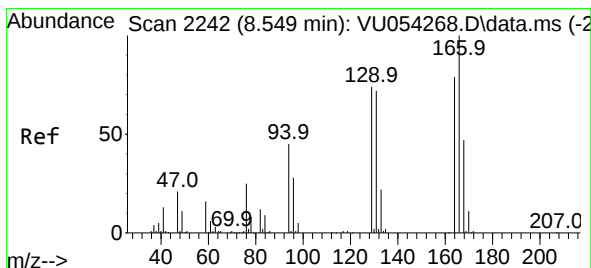
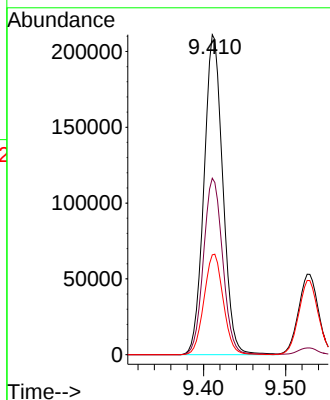
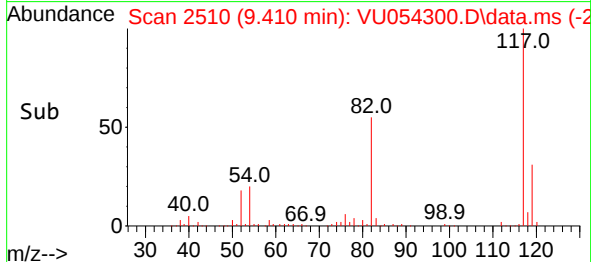
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC



Tgt Ion:117 Resp: 336589
Ion Ratio Lower Upper
117 100
82 55.1 41.7 62.5
119 31.2 25.7 38.5

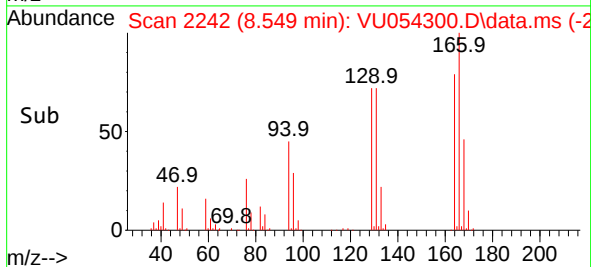
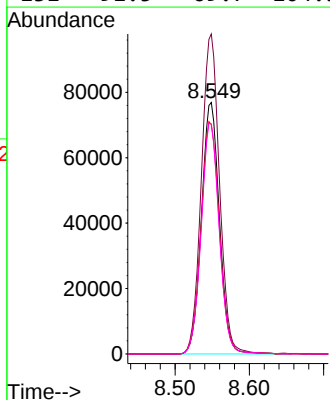
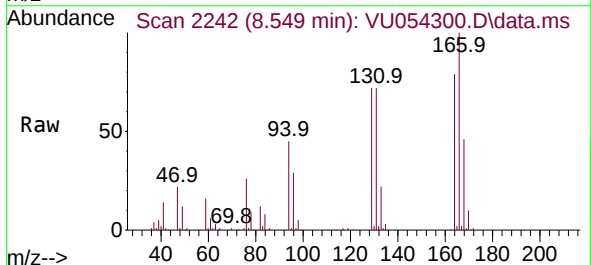
Manual Integrations
APPROVED

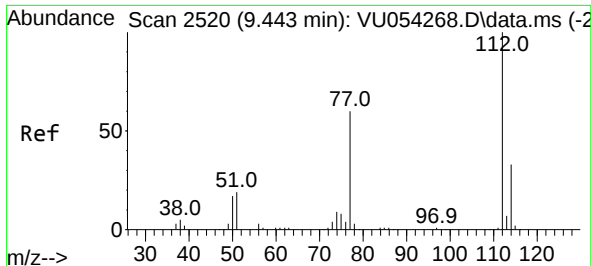
Reviewed By :John Carlone 05/30/2023
Supervised By :Mahesh Dadoda 05/31/2023



#64
Tetrachloroethene
Concen: 50.997 ug/l
RT: 8.549 min Scan# 2242
Delta R.T. -0.000 min
Lab File: VU054300.D
Acq: 26 May 2023 20:57

Tgt Ion:164 Resp: 129189
Ion Ratio Lower Upper
164 100
166 127.2 100.0 150.0
129 91.2 72.0 108.0
131 91.5 69.7 104.5





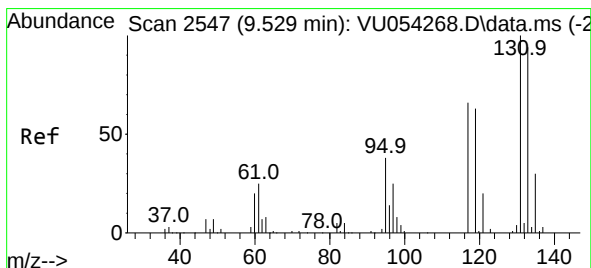
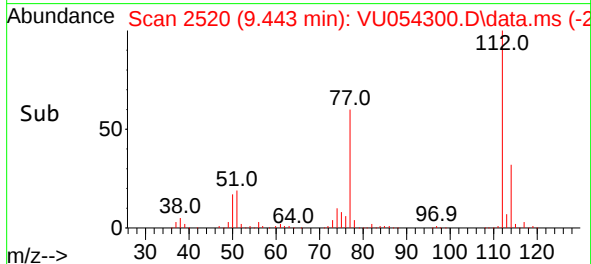
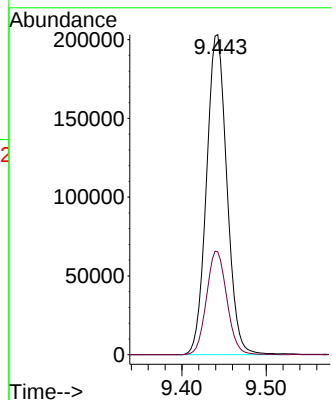
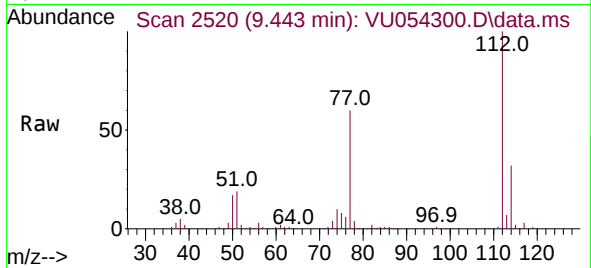
#65
Chlorobenzene
Concen: 48.679 ug/l
RT: 9.443 min Scan# 2520
Delta R.T. -0.000 min
Lab File: VU054300.D
Acq: 26 May 2023 20:57

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tgt Ion:112 Resp: 34253
Ion Ratio Lower Upper
112 100
114 32.2 24.9 37.3

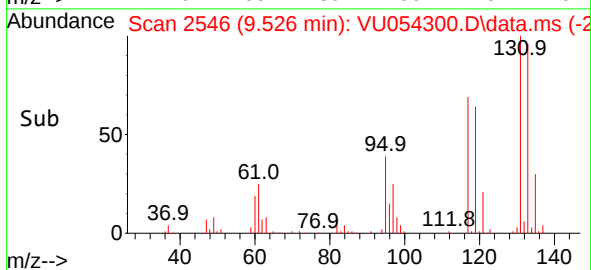
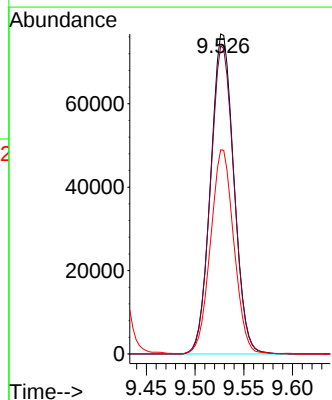
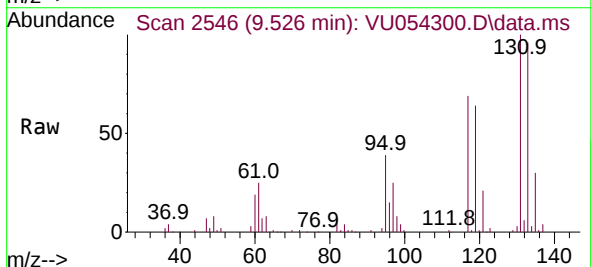
Manual Integrations
APPROVED

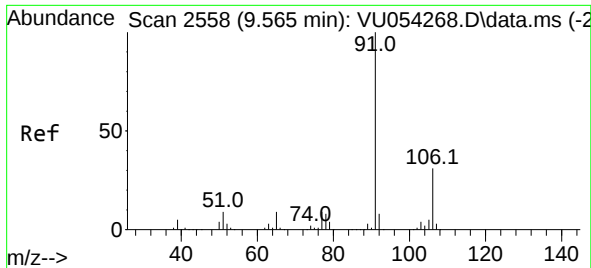
Reviewed By :John Carlone 05/30/2023
Supervised By :Mahesh Dadoda 05/31/2023



#66
1,1,1,2-Tetrachloroethane
Concen: 49.894 ug/l
RT: 9.526 min Scan# 2546
Delta R.T. -0.003 min
Lab File: VU054300.D
Acq: 26 May 2023 20:57

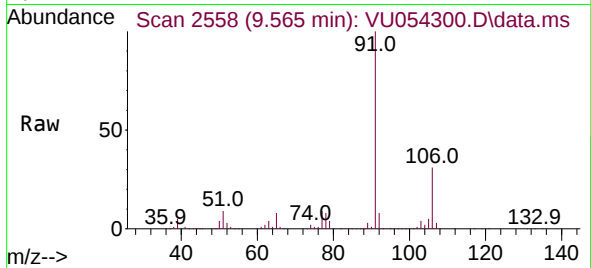
Tgt Ion:131 Resp: 127364
Ion Ratio Lower Upper
131 100
133 97.5 48.4 145.0
119 64.1 33.9 101.6





#67
Ethyl Benzene
Concen: 50.532 ug/l
RT: 9.565 min Scan# 2558
Delta R.T. -0.000 min
Lab File: VU054300.D
Acq: 26 May 2023 20:57

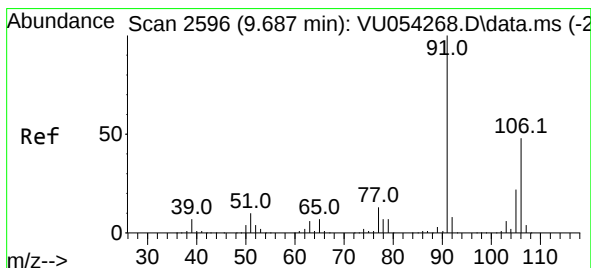
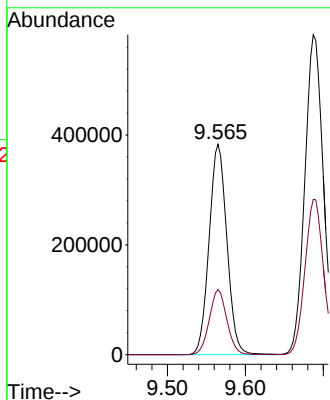
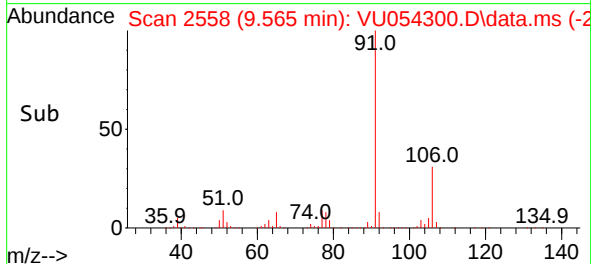
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC



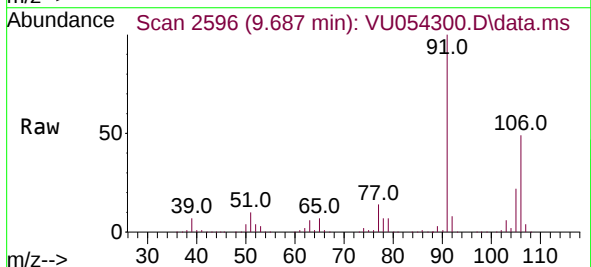
Tgt Ion: 91 Resp: 607904
Ion Ratio Lower Upper
91 100
106 31.0 25.6 38.4

Manual Integrations
APPROVED

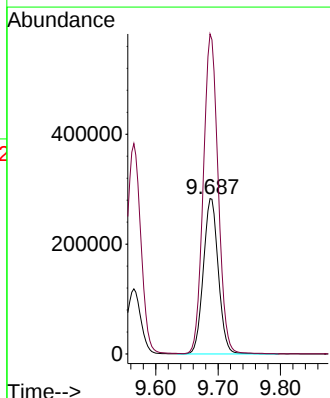
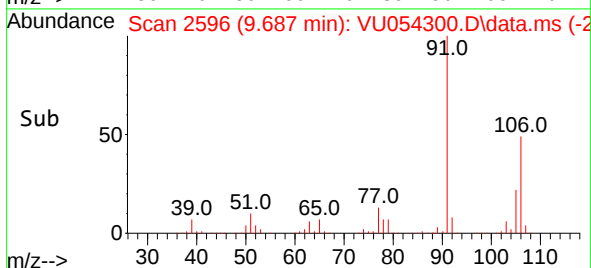
Reviewed By :John Carlone 05/30/2023
Supervised By :Mahesh Dadoda 05/31/2023

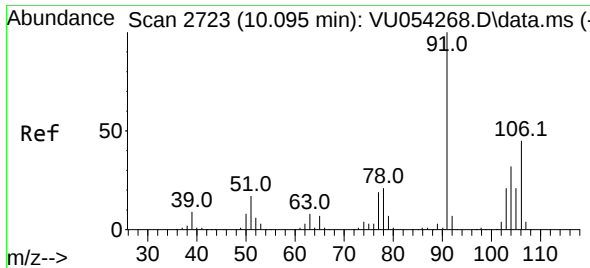


#68
m/p-Xylenes
Concen: 103.308 ug/l
RT: 9.687 min Scan# 2596
Delta R.T. -0.000 min
Lab File: VU054300.D
Acq: 26 May 2023 20:57



Tgt Ion:106 Resp: 471080
Ion Ratio Lower Upper
106 100
91 204.8 157.2 235.8





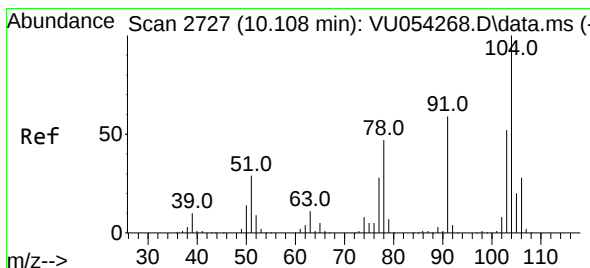
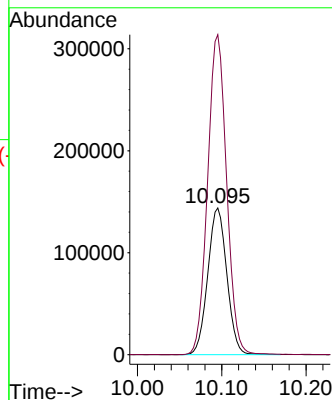
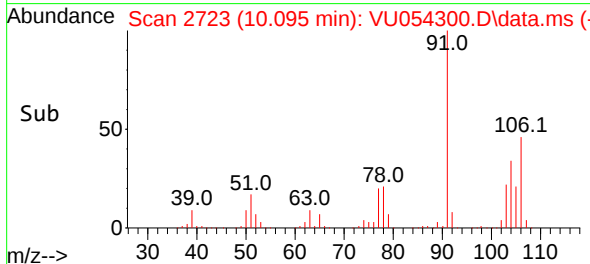
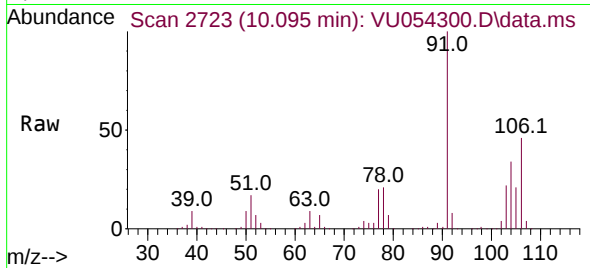
#69
o-Xylene
Concen: 51.444 ug/l
RT: 10.095 min Scan# 2723
Delta R.T. 0.000 min
Lab File: VU054300.D
Acq: 26 May 2023 20:57

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tgt Ion:106 Resp: 227084
Ion Ratio Lower Upper
106 100
91 217.3 103.5 310.5

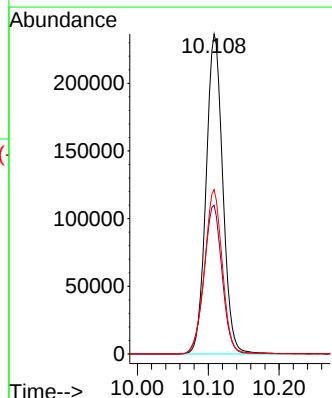
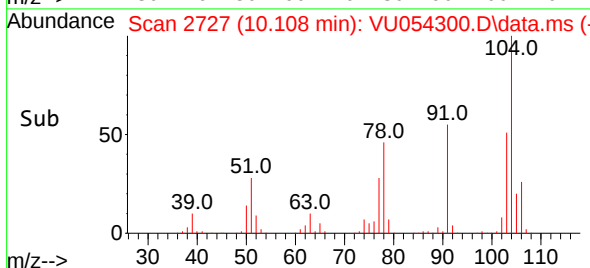
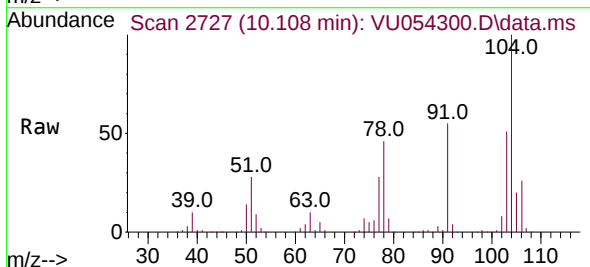
Manual Integrations
APPROVED

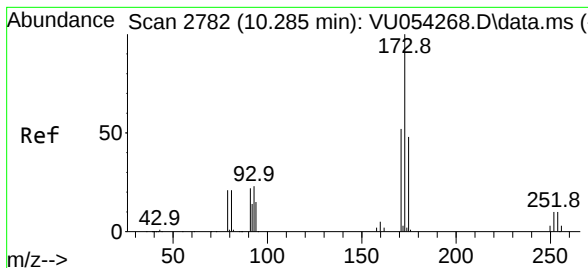
Reviewed By :John Carlone 05/30/2023
Supervised By :Mahesh Dadoda 05/31/2023



#70
Styrene
Concen: 52.880 ug/l
RT: 10.108 min Scan# 2727
Delta R.T. 0.000 min
Lab File: VU054300.D
Acq: 26 May 2023 20:57

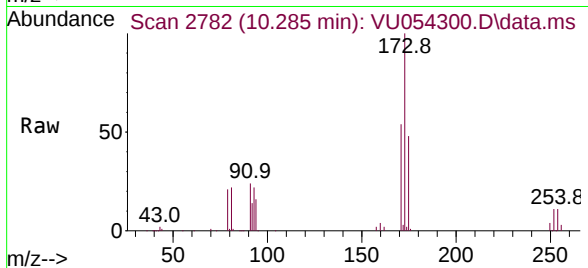
Tgt Ion:104 Resp: 387101
Ion Ratio Lower Upper
104 100
78 50.2 38.0 57.0
103 54.5 43.9 65.9





#71
Bromoform
Concen: 48.273 ug/l
RT: 10.285 min Scan# 2782
Delta R.T. 0.000 min
Lab File: VU054300.D
Acq: 26 May 2023 20:57

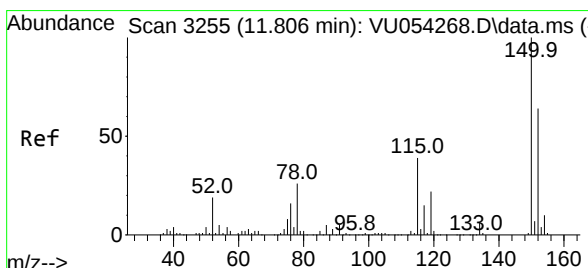
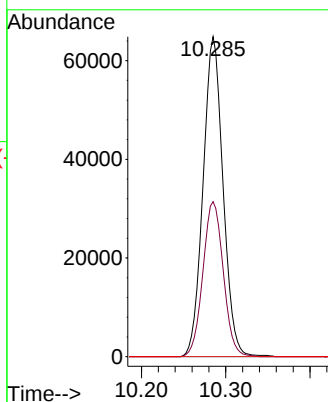
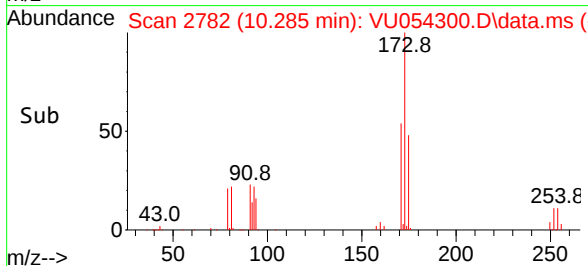
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC



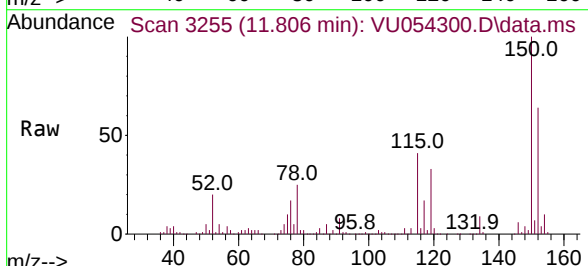
Tgt Ion:173 Resp: 107083
Ion Ratio Lower Upper
173 100
175 49.4 24.1 72.2
254 0.0 0.1 0.1

Manual Integrations
APPROVED

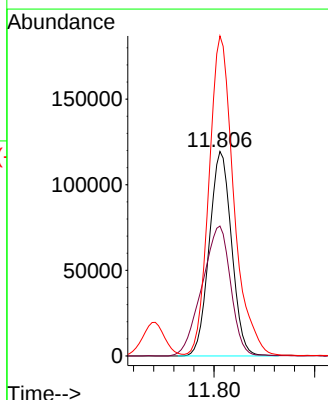
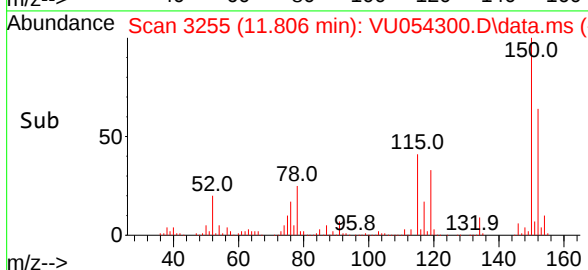
Reviewed By :John Carlone 05/30/2023
Supervised By :Mahesh Dadoda 05/31/2023

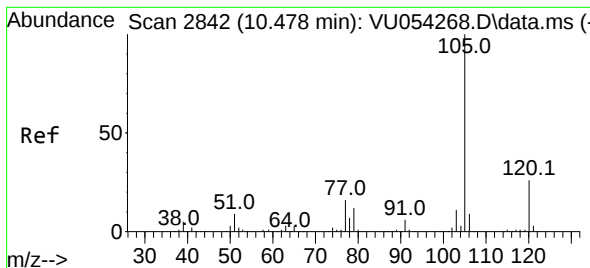


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.806 min Scan# 3255
Delta R.T. -0.000 min
Lab File: VU054300.D
Acq: 26 May 2023 20:57



Tgt Ion:152 Resp: 184182
Ion Ratio Lower Upper
152 100
115 81.3 37.0 110.9
150 173.7 0.0 342.2





#73

Isopropylbenzene

Concen: 51.635 ug/l

RT: 10.478 min Scan# 2842

Delta R.T. -0.000 min

Lab File: VU054300.D

Acq: 26 May 2023 20:57

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tgt Ion:105 Resp: 588980

Ion Ratio Lower Upper

105 100

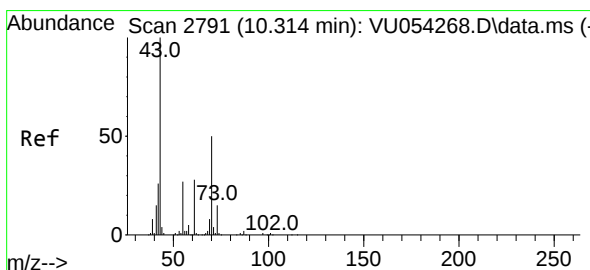
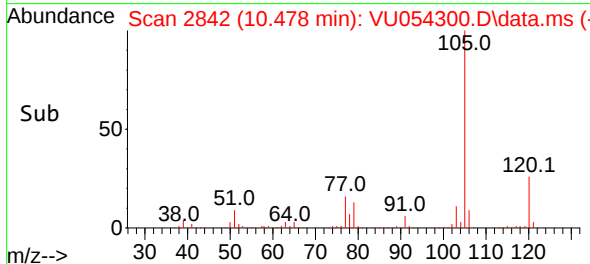
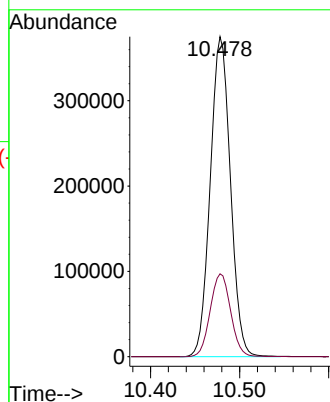
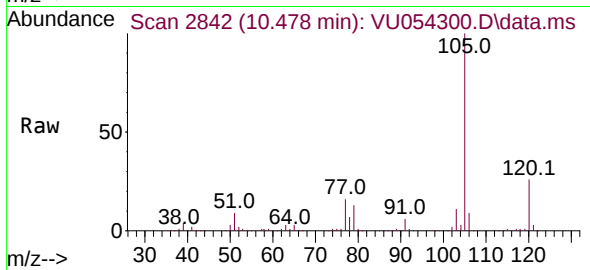
120 26.2 13.8 41.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/30/2023

Supervised By :Mahesh Dadoda 05/31/2023



#74

N-ethyl acetate

Concen: 51.161 ug/l

RT: 10.314 min Scan# 2791

Delta R.T. -0.000 min

Lab File: VU054300.D

Acq: 26 May 2023 20:57

Tgt Ion: 43 Resp: 247791

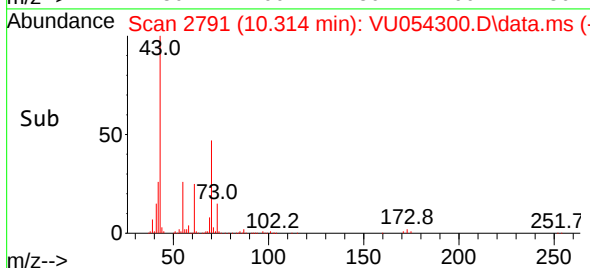
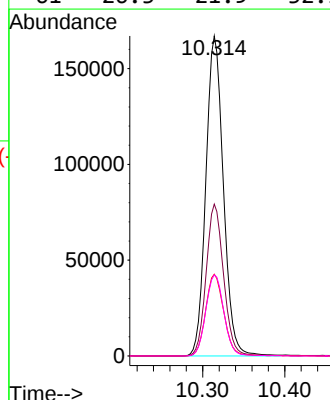
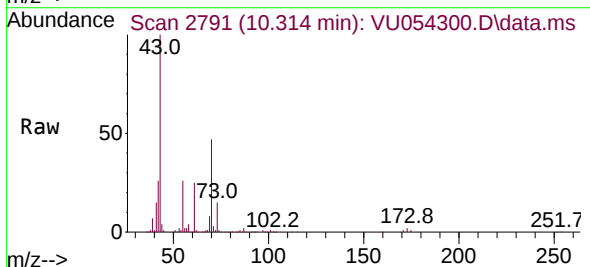
Ion Ratio Lower Upper

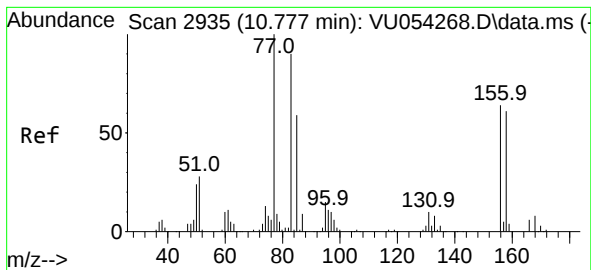
43 100

70 47.4 38.7 58.1

55 26.4 21.8 32.8

61 26.3 21.9 32.9





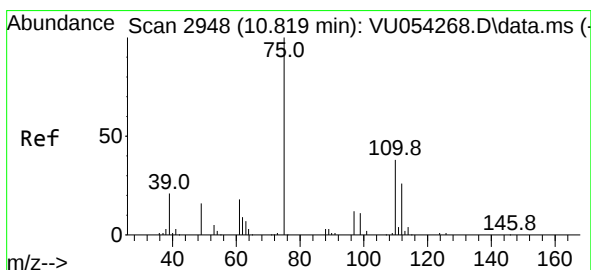
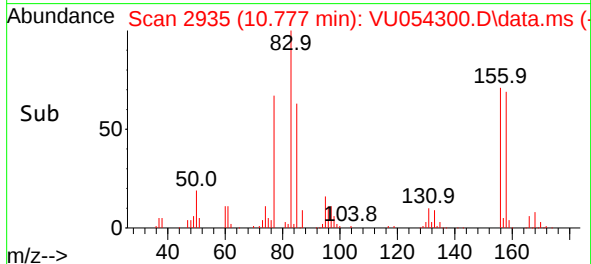
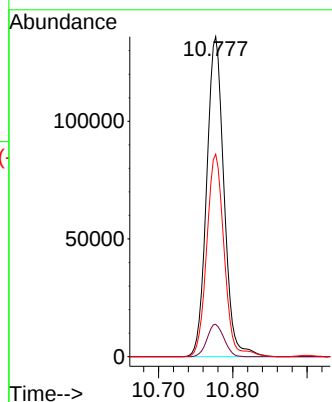
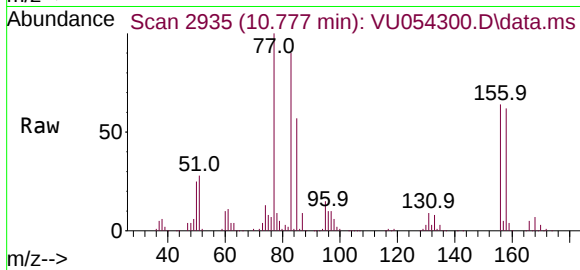
#75
1,1,2,2-Tetrachloroethane
Concen: 47.674 ug/l
RT: 10.777 min Scan# 2935
Delta R.T. -0.000 min
Lab File: VU054300.D
Acq: 26 May 2023 20:57

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 220039
Ion Ratio Lower Upper
83 100
131 9.9 5.1 15.4
85 63.6 32.2 96.6

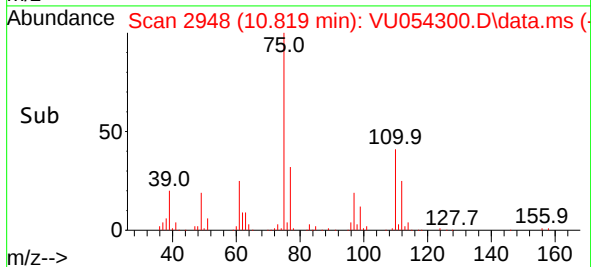
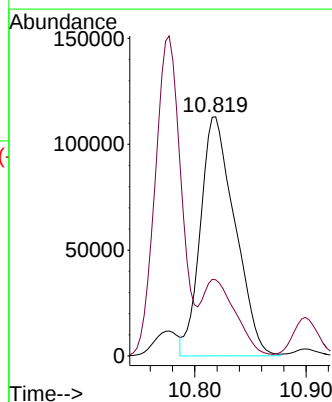
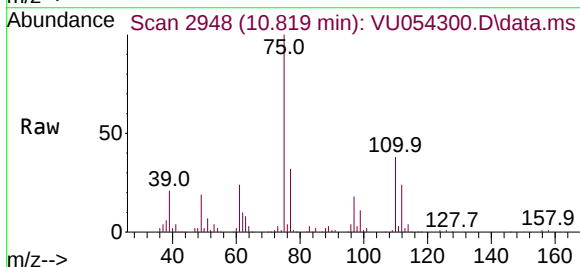
Manual Integrations
APPROVED

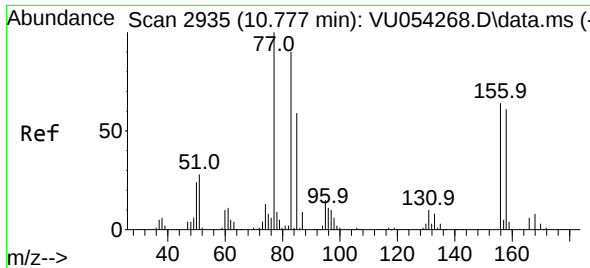
Reviewed By :John Carlone 05/30/2023
Supervised By :Mahesh Dadoda 05/31/2023



#76
1,2,3-Trichloropropane
Concen: 45.205 ug/l
RT: 10.819 min Scan# 2948
Delta R.T. -0.000 min
Lab File: VU054300.D
Acq: 26 May 2023 20:57

Tgt Ion: 75 Resp: 243002
Ion Ratio Lower Upper
75 100
77 30.2 15.8 47.3





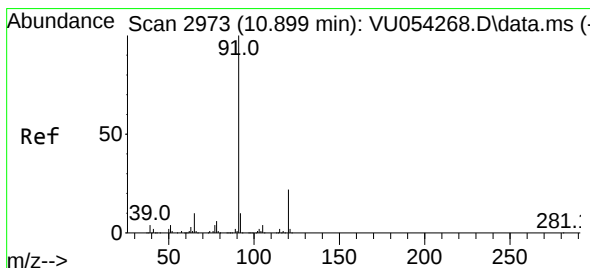
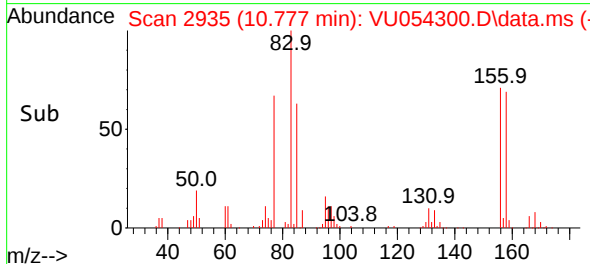
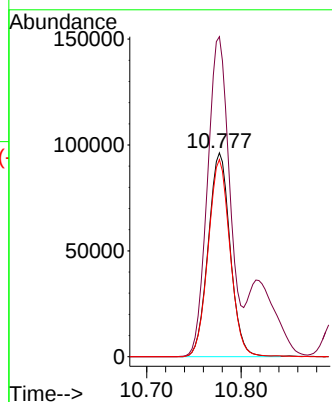
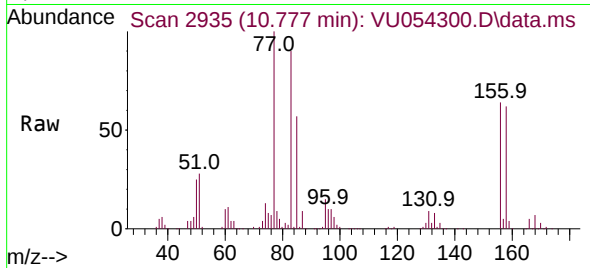
#77
Bromobenzene
Concen: 49.496 ug/l
RT: 10.777 min Scan# 2935
Delta R.T. -0.000 min
Lab File: VU054300.D
Acq: 26 May 2023 20:57

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tgt Ion:156 Resp: 155039
Ion Ratio Lower Upper
156 100
77 159.9 71.9 215.6
158 96.4 48.9 146.8

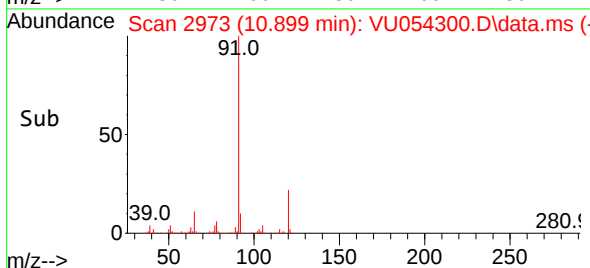
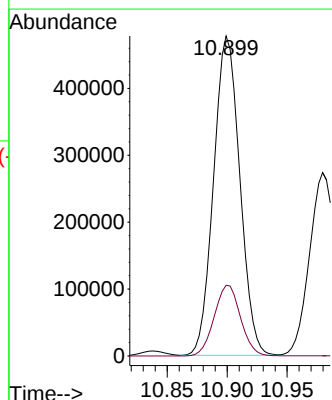
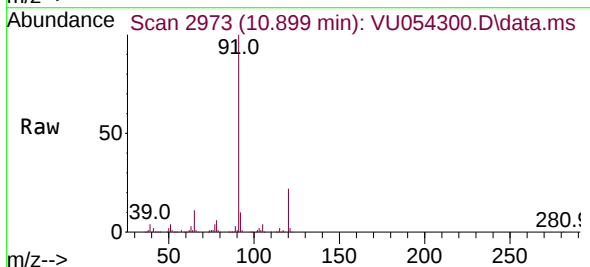
Manual Integrations
APPROVED

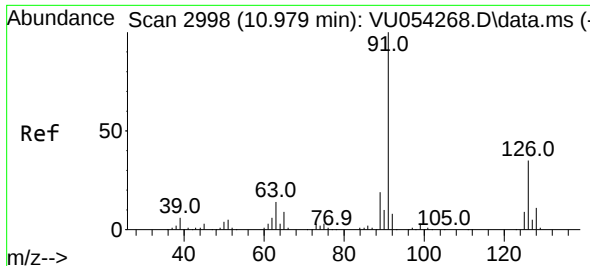
Reviewed By :John Carlone 05/30/2023
Supervised By :Mahesh Dadoda 05/31/2023



#78
n-propylbenzene
Concen: 51.860 ug/l
RT: 10.899 min Scan# 2973
Delta R.T. 0.000 min
Lab File: VU054300.D
Acq: 26 May 2023 20:57

Tgt Ion: 91 Resp: 724649
Ion Ratio Lower Upper
91 100
120 22.2 11.9 35.5





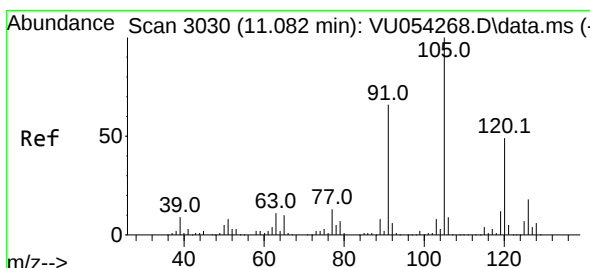
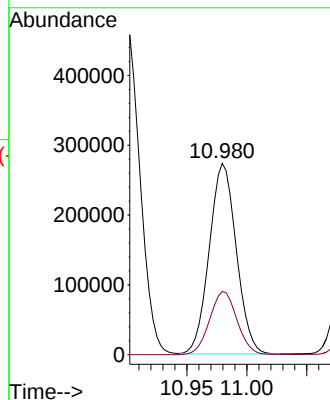
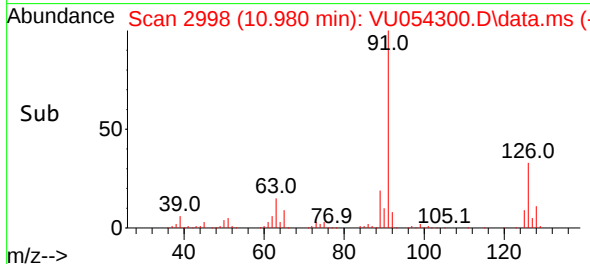
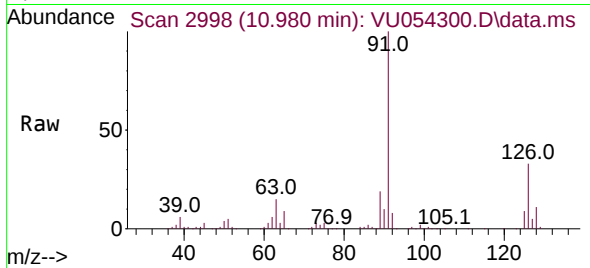
#79
2-Chlorotoluene
Concen: 50.544 ug/l
RT: 10.980 min Scan# 2998
Delta R.T. 0.001 min
Lab File: VU054300.D
Acq: 26 May 2023 20:57

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 42758
Ion Ratio Lower Upper
91 100
126 33.7 18.4 55.0

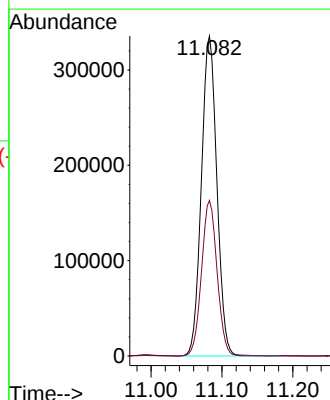
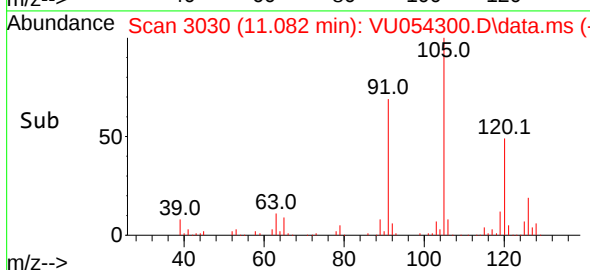
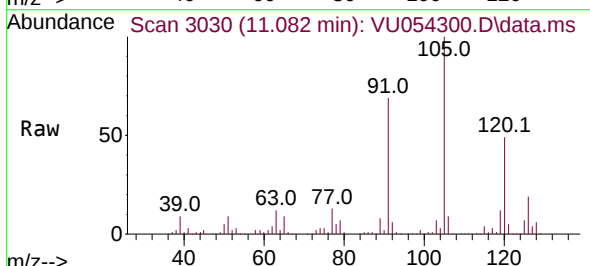
Manual Integrations
APPROVED

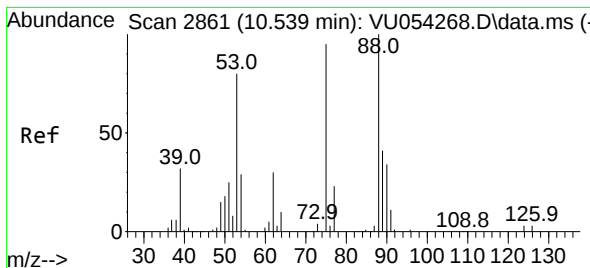
Reviewed By :John Carlone 05/30/2023
Supervised By :Mahesh Dadoda 05/31/2023



#80
1,3,5-Trimethylbenzene
Concen: 52.516 ug/l
RT: 11.082 min Scan# 3030
Delta R.T. 0.000 min
Lab File: VU054300.D
Acq: 26 May 2023 20:57

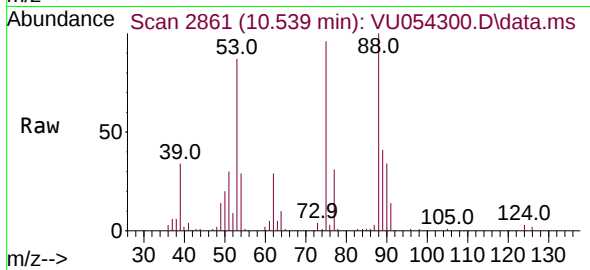
Tgt Ion:105 Resp: 509423
Ion Ratio Lower Upper
105 100
120 48.7 25.3 75.9





#81
trans-1,4-Dichloro-2-butene
Concen: 45.578 ug/l
RT: 10.539 min Scan# 2861
Delta R.T. 0.000 min
Lab File: VU054300.D
Acq: 26 May 2023 20:57

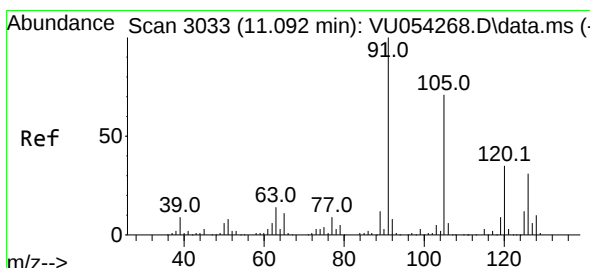
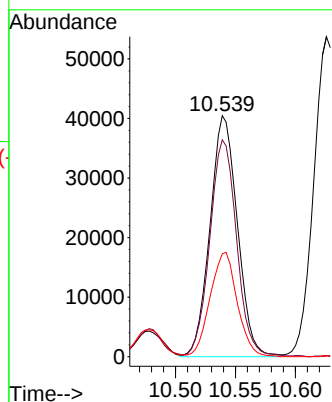
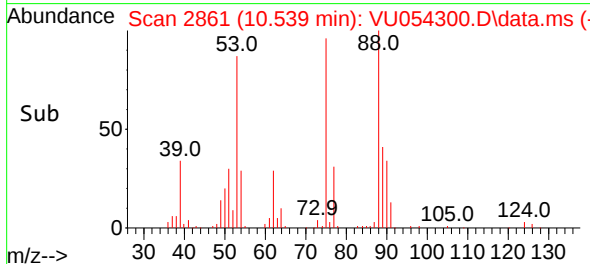
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC



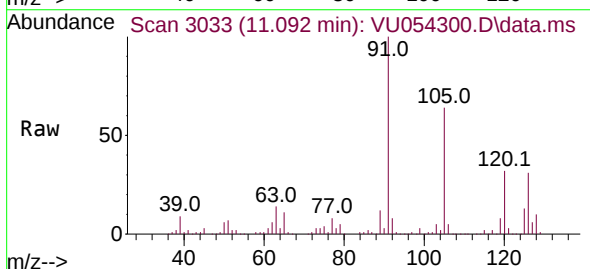
Tgt Ion: 75 Resp: 6434
Ion Ratio Lower Upper
75 100
53 87.2 69.2 103.8
89 42.9 37.0 55.6

Manual Integrations
APPROVED

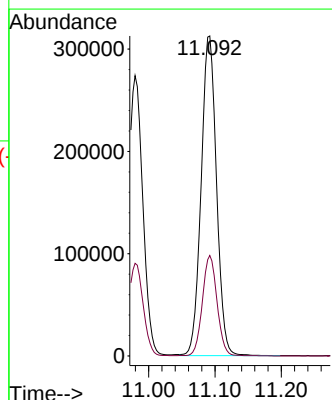
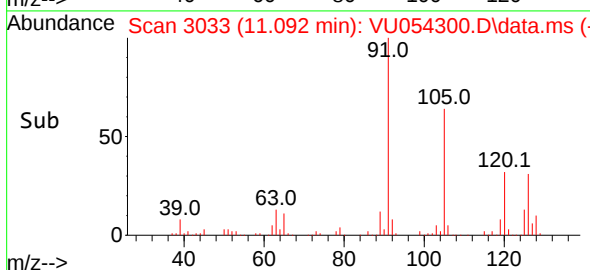
Reviewed By :John Carlone 05/30/2023
Supervised By :Mahesh Dadoda 05/31/2023

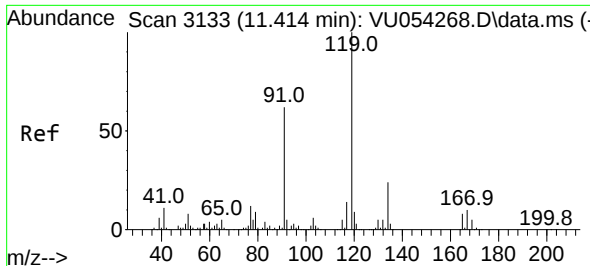


#82
4-Chlorotoluene
Concen: 50.720 ug/l
RT: 11.092 min Scan# 3033
Delta R.T. 0.000 min
Lab File: VU054300.D
Acq: 26 May 2023 20:57



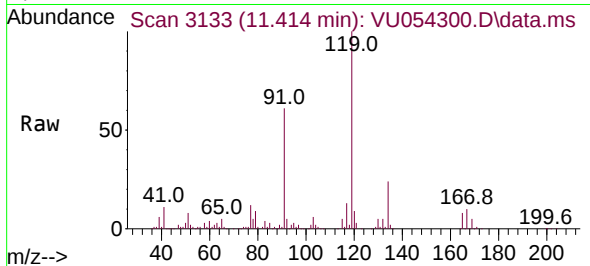
Tgt Ion: 91 Resp: 503442
Ion Ratio Lower Upper
91 100
126 29.7 16.1 48.2





#83
tert-Butylbenzene
Concen: 50.566 ug/l
RT: 11.414 min Scan# 3133
Delta R.T. -0.000 min
Lab File: VU054300.D
Acq: 26 May 2023 20:57

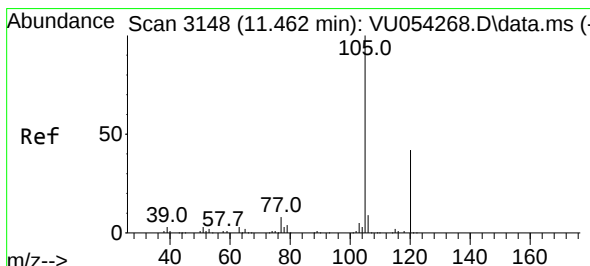
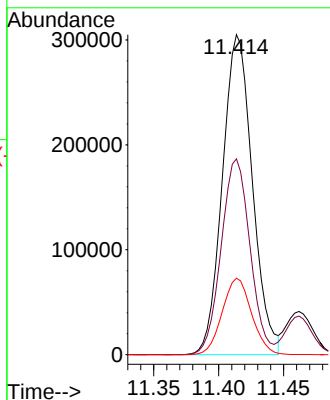
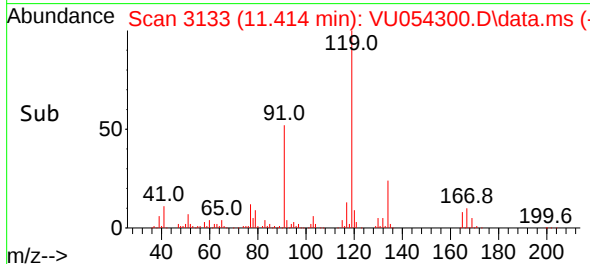
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC



Tgt Ion:119 Resp: 490497
Ion Ratio Lower Upper
119 100
91 59.0 26.8 80.3
134 23.4 11.5 34.5

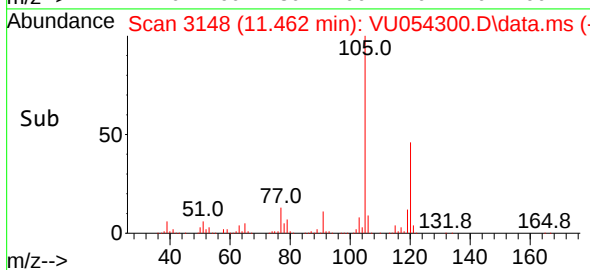
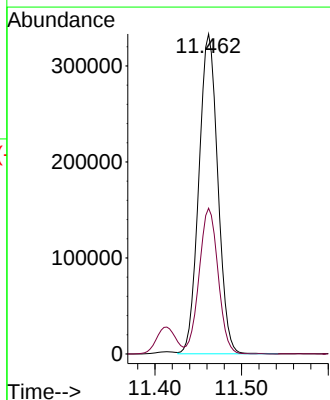
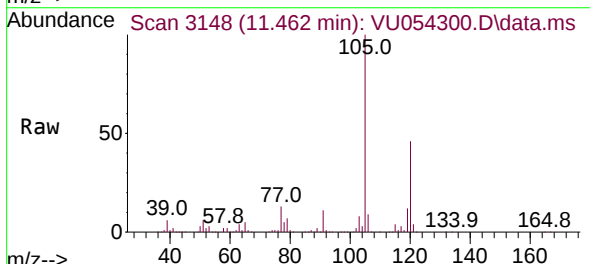
Manual Integrations
APPROVED

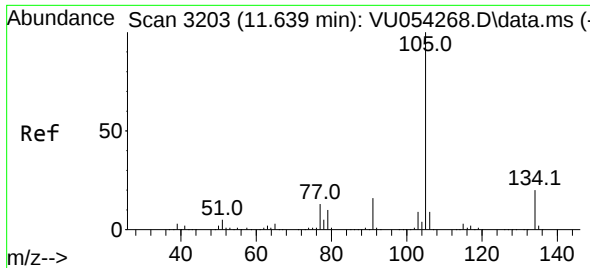
Reviewed By :John Carlone 05/30/2023
Supervised By :Mahesh Dadoda 05/31/2023



#84
1,2,4-Trimethylbenzene
Concen: 52.365 ug/l
RT: 11.462 min Scan# 3148
Delta R.T. -0.000 min
Lab File: VU054300.D
Acq: 26 May 2023 20:57

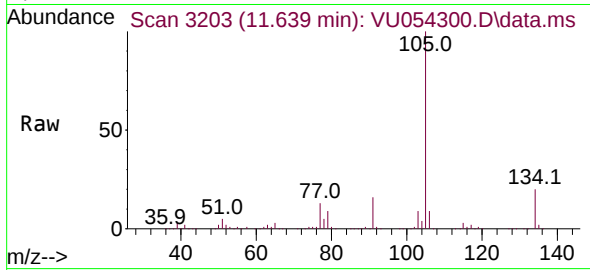
Tgt Ion:105 Resp: 505353
Ion Ratio Lower Upper
105 100
120 45.5 23.4 70.3





#85
 sec-Butylbenzene
 Concen: 51.496 ug/l
 RT: 11.639 min Scan# 3203
 Delta R.T. -0.000 min
 Lab File: VU054300.D
 Acq: 26 May 2023 20:57

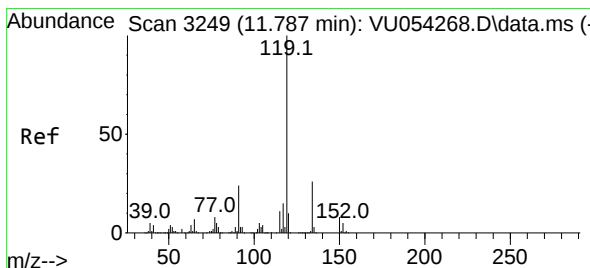
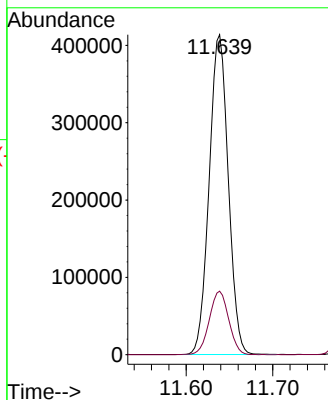
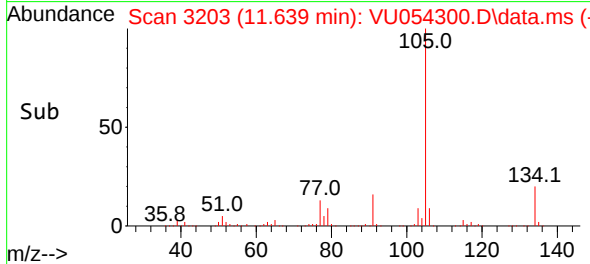
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC



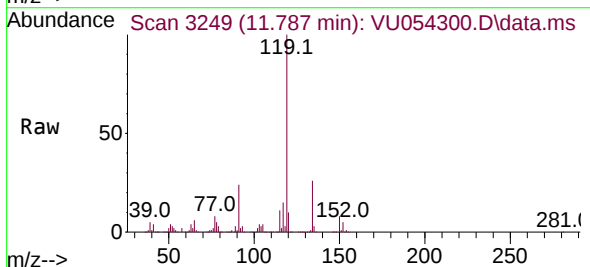
Tgt Ion:105 Resp: 633830
 Ion Ratio Lower Upper
 105 100
 134 20.2 10.4 31.1

Manual Integrations
 APPROVED

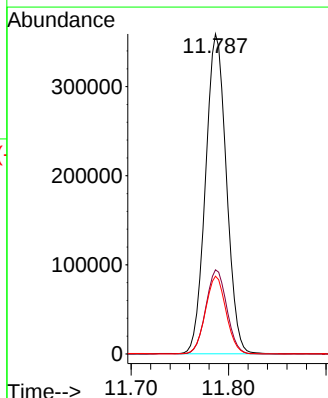
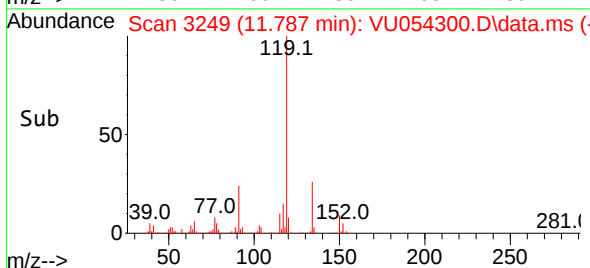
Reviewed By :John Carlone 05/30/2023
 Supervised By :Mahesh Dadoda 05/31/2023

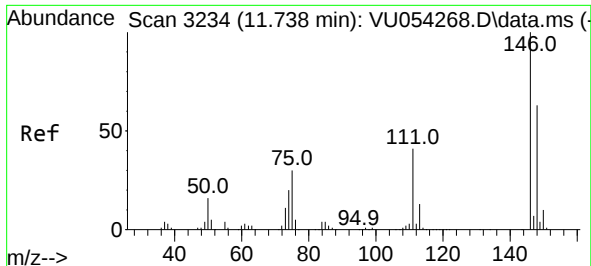


#86
 p-Isopropyltoluene
 Concen: 51.552 ug/l
 RT: 11.787 min Scan# 3249
 Delta R.T. -0.000 min
 Lab File: VU054300.D
 Acq: 26 May 2023 20:57



Tgt Ion:119 Resp: 533692
 Ion Ratio Lower Upper
 119 100
 134 26.4 13.5 40.4
 91 24.0 11.2 33.5





#87

1,3-Dichlorobenzene

Concen: 48.973 ug/l

RT: 11.738 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU054300.D

Acq: 26 May 2023 20:57

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

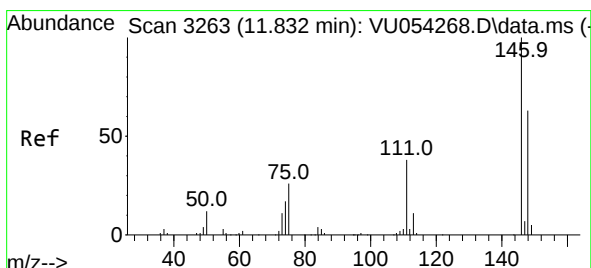
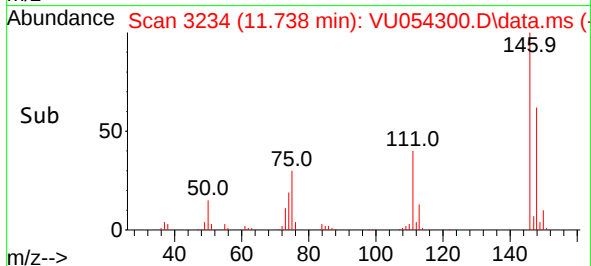
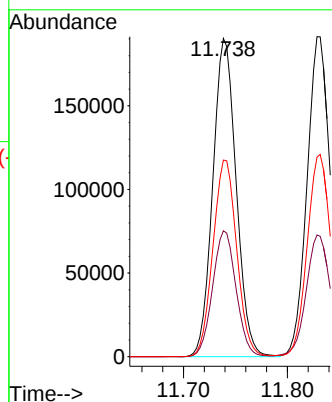
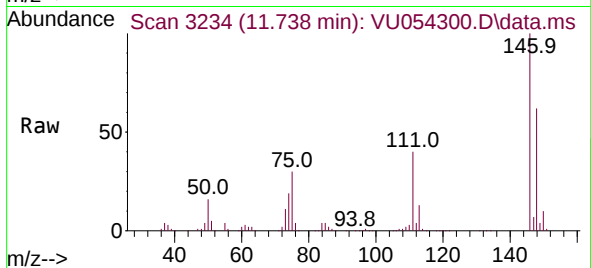
Tgt Ion:146 Resp: 297020
 Ion Ratio Lower Upper
 146 100
 111 39.8 18.9 56.5
 148 62.9 31.9 95.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/30/2023

Supervised By :Mahesh Dadoda 05/31/2023



#88

1,4-Dichlorobenzene

Concen: 47.511 ug/l

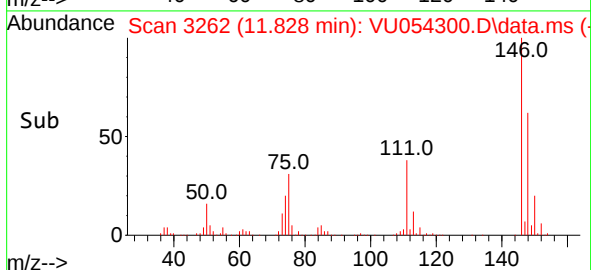
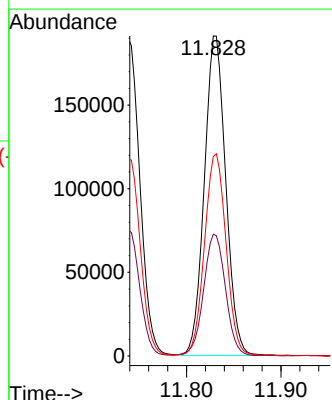
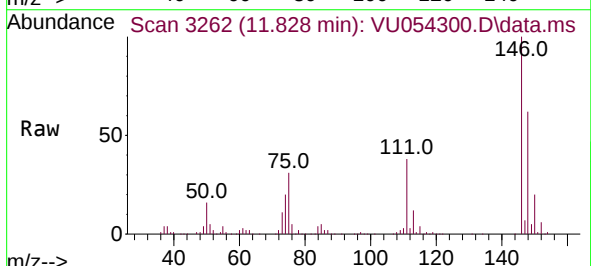
RT: 11.828 min Scan# 3262

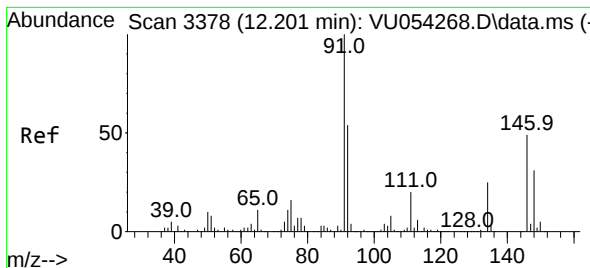
Delta R.T. -0.004 min

Lab File: VU054300.D

Acq: 26 May 2023 20:57

Tgt Ion:146 Resp: 301033
 Ion Ratio Lower Upper
 146 100
 111 39.1 18.5 55.5
 148 63.6 31.9 95.7





#89

n-Butylbenzene

Concen: 49.281 ug/l

RT: 12.201 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU054300.D

Acq: 26 May 2023 20:57

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 91 Resp: 48023

Ion Ratio Lower Upper

91 100

92 53.5 26.2 78.6

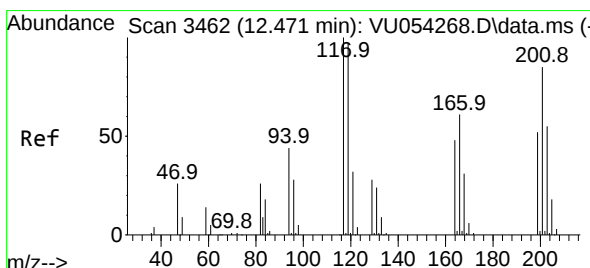
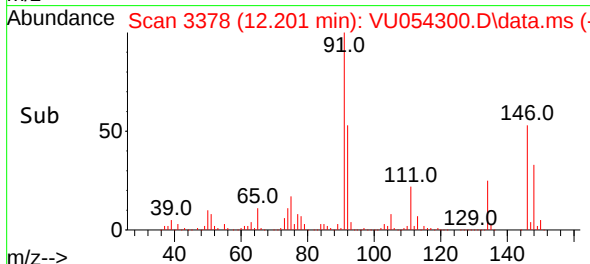
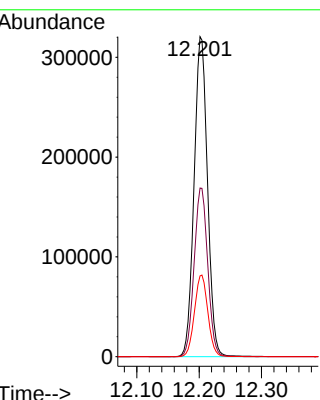
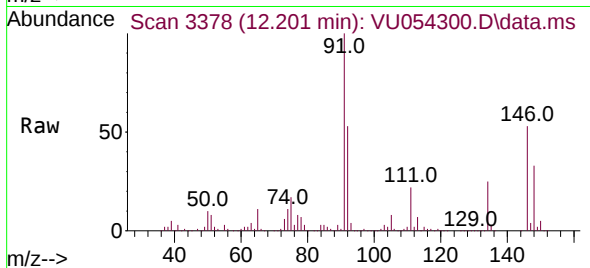
134 25.4 13.5 40.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/30/2023

Supervised By :Mahesh Dadoda 05/31/2023



#90

Hexachloroethane

Concen: 49.374 ug/l

RT: 12.468 min Scan# 3461

Delta R.T. -0.003 min

Lab File: VU054300.D

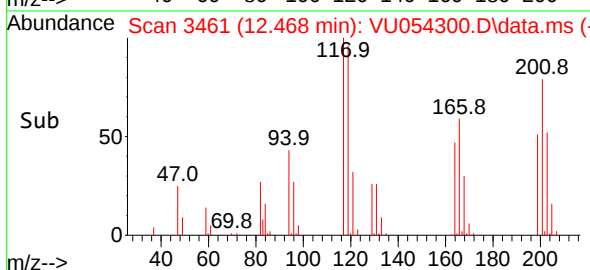
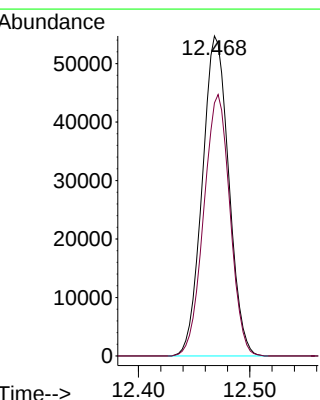
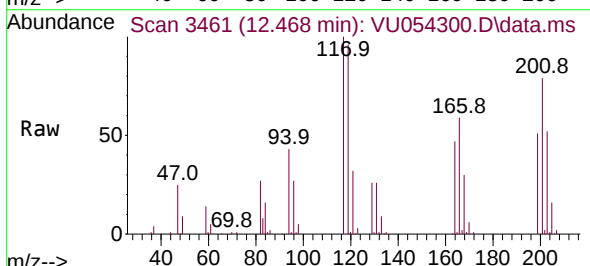
Acq: 26 May 2023 20:57

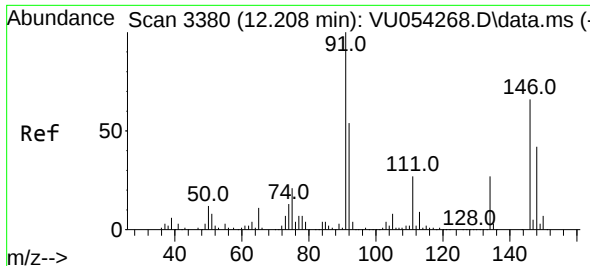
Tgt Ion:117 Resp: 90426

Ion Ratio Lower Upper

117 100

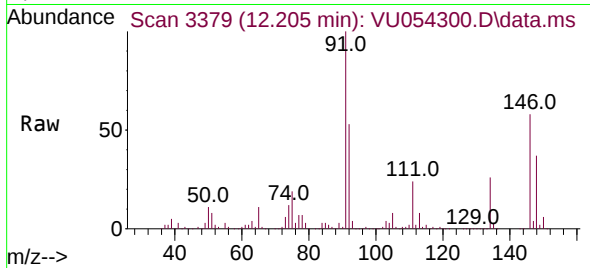
201 80.6 44.6 134.0





#91
1,2-Dichlorobenzene
Concen: 49.746 ug/l
RT: 12.205 min Scan# 31
Delta R.T. -0.003 min
Lab File: VU054300.D
Acq: 26 May 2023 20:57

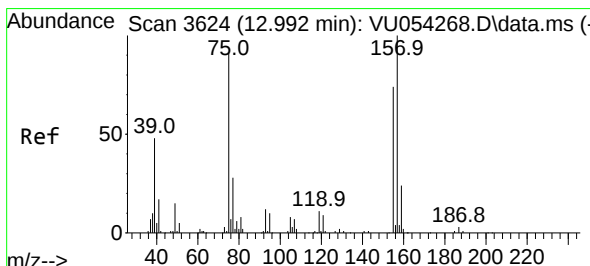
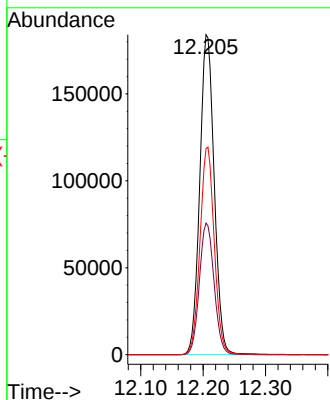
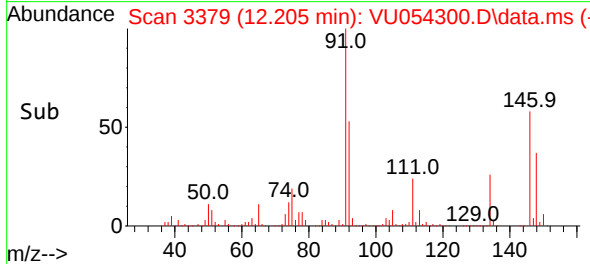
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC



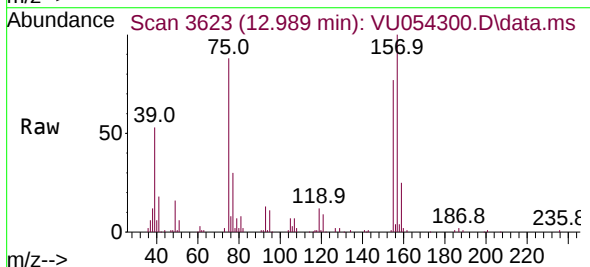
Tgt Ion:146 Resp: 29681
Ion Ratio Lower Upper
146 100
111 41.8 19.9 59.6
148 64.0 32.1 96.5

Manual Integrations
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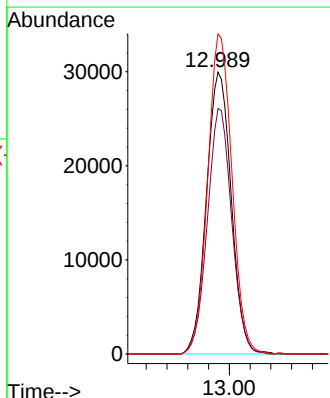
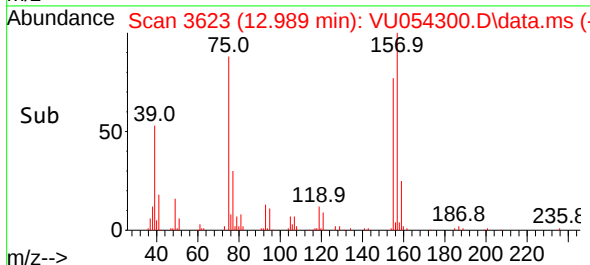
Reviewed By :John Carlone 05/30/2023
Supervised By :Mahesh Dadoda 05/31/2023

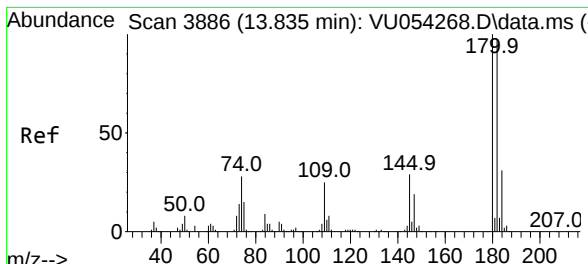


#92
1,2-Dibromo-3-Chloropropane
Concen: 47.145 ug/l
RT: 12.989 min Scan# 3623
Delta R.T. -0.003 min
Lab File: VU054300.D
Acq: 26 May 2023 20:57



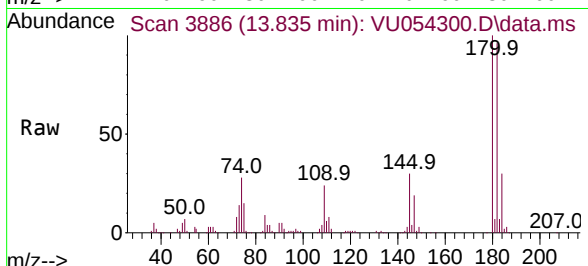
Tgt Ion: 75 Resp: 49626
Ion Ratio Lower Upper
75 100
155 85.3 47.8 143.4
157 110.9 62.2 186.5





#93
1,2,4-Trichlorobenzene
Concen: 50.071 ug/l
RT: 13.835 min Scan# 3886
Delta R.T. -0.000 min
Lab File: VU054300.D
Acq: 26 May 2023 20:57

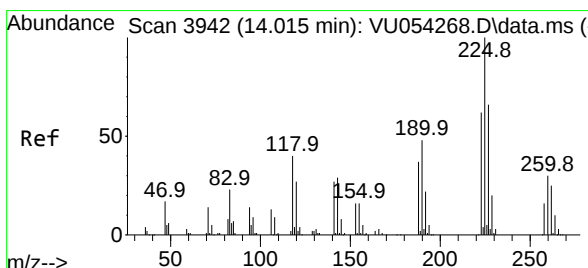
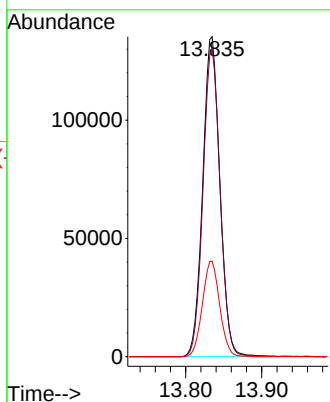
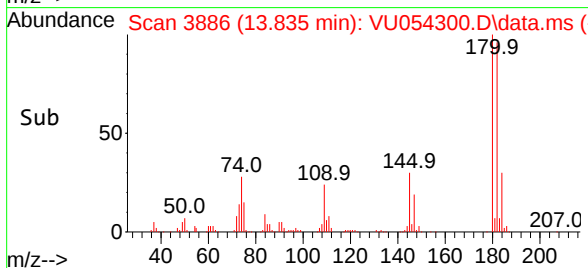
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC



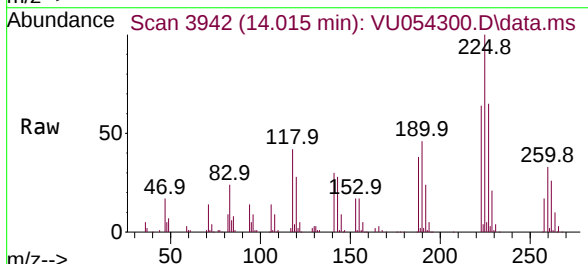
Tgt Ion:180 Resp: 212129
Ion Ratio Lower Upper
180 100
182 95.8 47.9 143.6
145 30.0 14.0 41.9

Manual Integrations
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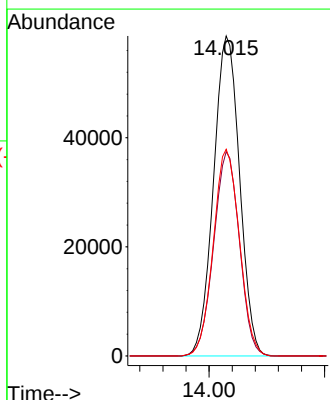
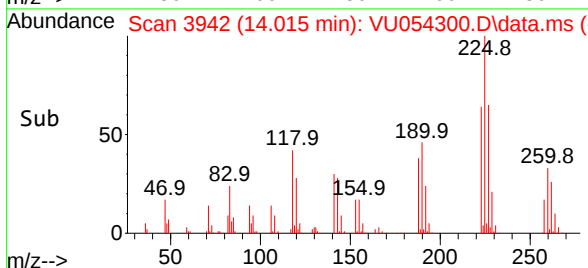
Reviewed By :John Carlone 05/30/2023
Supervised By :Mahesh Dadoda 05/31/2023

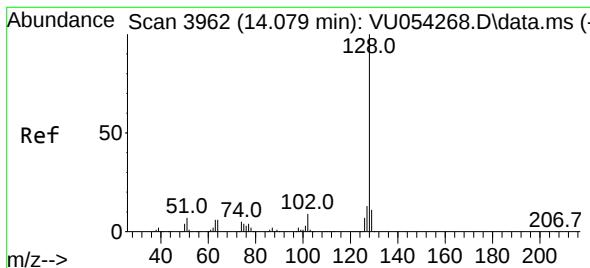


#94
Hexachlorobutadiene
Concen: 46.866 ug/l
RT: 14.015 min Scan# 3942
Delta R.T. -0.000 min
Lab File: VU054300.D
Acq: 26 May 2023 20:57



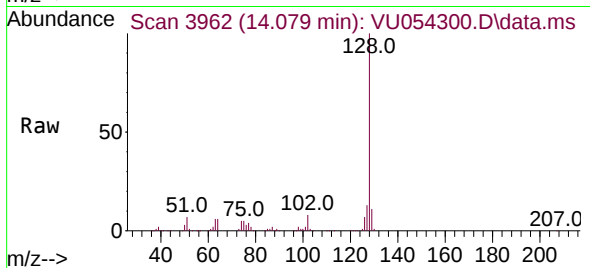
Tgt Ion:225 Resp: 91912
Ion Ratio Lower Upper
225 100
223 62.9 31.3 93.9
227 64.6 32.0 96.2





#95
Naphthalene
Concen: 48.934 ug/l
RT: 14.079 min Scan# 3962
Delta R.T. 0.000 min
Lab File: VU054300.D
Acq: 26 May 2023 20:57

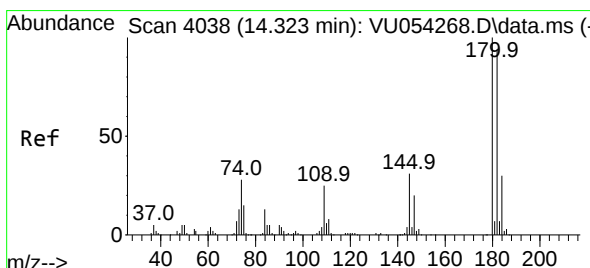
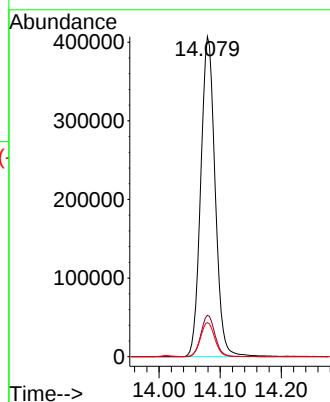
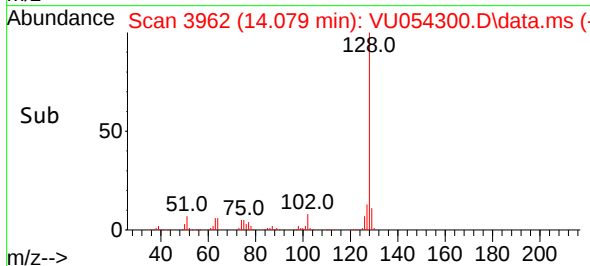
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC



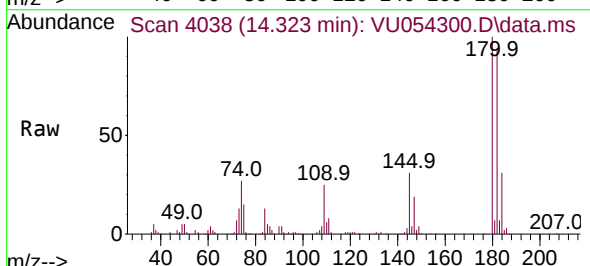
Tgt Ion:128 Resp: 666009
Ion Ratio Lower Upper
128 100
127 12.6 10.3 15.5
129 10.6 8.6 13.0

Manual Integrations
APPROVED

Reviewed By :John Carlone 05/30/2023
Supervised By :Mahesh Dadoda 05/31/2023



#96
1,2,3-Trichlorobenzene
Concen: 51.350 ug/l
RT: 14.323 min Scan# 4038
Delta R.T. 0.000 min
Lab File: VU054300.D
Acq: 26 May 2023 20:57



Tgt Ion:180 Resp: 215683
Ion Ratio Lower Upper
180 100
182 93.9 48.4 145.0
145 31.0 14.8 44.4

