

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU011923\
 Data File : VU052737.D
 Acq On : 19 Jan 2023 14:08
 Operator : JC/MD
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 01/20/2023
 Supervised By : Mahesh Dadoda 01/20/2023

Quant Time: Jan 20 00:36:28 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U011923W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 20 00:33:41 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.369	168	212700	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.243	114	338092	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.414	117	317581	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.806	152	169239	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.697	65	147425	44.179	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	88.360%		
35) Dibromofluoromethane	5.285	113	117508	50.287	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	100.580%		
50) Toluene-d8	7.893	98	442935	49.644	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	99.280%		
62) 4-Bromofluorobenzene	10.629	95	164352	50.825	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	101.640%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	118253	45.138	ug/l	100
3) Chloromethane	1.520	50	114550	31.082	ug/l	100
4) Vinyl Chloride	1.604	62	123075	38.130	ug/l	100
5) Bromomethane	1.858	94	61383	33.561	ug/l	100
6) Chloroethane	1.935	64	75990	38.892	ug/l	100
7) Trichlorofluoromethane	2.137	101	189061	45.435	ug/l	100
8) Diethyl Ether	2.375	74	69545	41.273	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.581	101	109184	44.234	ug/l	100
10) Methyl Iodide	2.723	142	97813	39.425	ug/l	100
11) Tert butyl alcohol	3.234	59	137769m	210.957	ug/l	
12) 1,1-Dichloroethene	2.578	96	106509	43.778	ug/l	100
13) Acrolein	2.485	56	118364	156.788	ug/l	100
14) Allyl chloride	2.922	41	180841	38.565	ug/l	100
15) Acrylonitrile	3.311	53	359472	205.992	ug/l	100
16) Acetone	2.636	43	356342	210.250	ug/l	100
17) Carbon Disulfide	2.793	76	315536	41.268	ug/l	100
18) Methyl Acetate	2.948	43	195896	39.884	ug/l	100
19) Methyl tert-butyl Ether	3.356	73	382304	45.361	ug/l	100
20) Methylene Chloride	3.044	84	129476	35.952	ug/l	100
21) trans-1,2-Dichloroethene	3.350	96	117464	44.564	ug/l	100
22) Diisopropyl ether	3.986	45	370299	40.910	ug/l	100
23) Vinyl Acetate	3.951	43	1455457	206.748	ug/l	100
24) 1,1-Dichloroethane	3.864	63	223194	41.493	ug/l	100
25) 2-Butanone	4.700	43	484108	208.907	ug/l	100
26) 2,2-Dichloropropane	4.658	77	186433	44.053	ug/l	100
27) cis-1,2-Dichloroethene	4.661	96	135077	44.682	ug/l	100
28) Bromochloromethane	4.970	49	95684	39.143	ug/l	100
29) Tetrahydrofuran	5.050	42	283725	202.661	ug/l	100
30) Chloroform	5.083	83	228077	41.233	ug/l	100
31) Cyclohexane	5.385	56	203361	40.487	ug/l	100
32) 1,1,1-Trichloroethane	5.311	97	200181	45.928	ug/l	100
36) 1,1-Dichloropropene	5.523	75	169760	47.130	ug/l	100
37) Ethyl Acetate	4.796	43	178436	39.358	ug/l	100
38) Carbon Tetrachloride	5.520	117	174068	51.180	ug/l	100
39) Methylcyclohexane	6.761	83	205306	49.522	ug/l	100
40) Benzene	5.771	78	504001	47.173	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.967	41	93186	44.128	ug/l	100
42) 1,2-Dichloroethane	5.790	62	182941	47.490	ug/l	100
43) Isopropyl Acetate	5.906	43	265465	44.739	ug/l	100
44) Trichloroethene	6.539	130	124391	48.851	ug/l	100
45) 1,2-Dichloropropane	6.787	63	128587	43.938	ug/l	100
46) Dibromomethane	6.912	93	88749	47.532	ug/l	100
47) Bromodichloromethane	7.102	83	177570	46.546	ug/l	100
48) Methyl methacrylate	6.954	41	124850	45.208	ug/l	100
49) 1,4-Dioxane	7.015	88	51003	969.342	ug/l	100
51) 4-Methyl-2-Pentanone	7.787	43	871841	225.443	ug/l	100
52) Toluene	7.963	92	316378	50.166	ug/l	100
53) t-1,3-Dichloropropene	8.205	75	195877	48.721	ug/l	100
54) cis-1,3-Dichloropropene	7.603	75	207615	47.689	ug/l	100
55) 1,1,2-Trichloroethane	8.394	97	126691	48.478	ug/l	100
56) Ethyl methacrylate	8.330	69	191945	50.352	ug/l	100
57) 1,3-Dichloropropane	8.571	76	219911	47.576	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.462	63	23665	174.512	ug/l	100
59) 2-Hexanone	8.681	43	687739	232.418	ug/l	100
60) Dibromochloromethane	8.806	129	137034	50.209	ug/l	100
61) 1,2-Dibromoethane	8.918	107	132661	50.052	ug/l	100
64) Tetrachloroethene	8.549	164	108129	52.362	ug/l	100
65) Chlorobenzene	9.443	112	327219	48.678	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.529	131	123045	50.383	ug/l	100
67) Ethyl Benzene	9.565	91	586866	50.600	ug/l	100
68) m/p-Xylenes	9.690	106	470424	107.140	ug/l	100
69) o-Xylene	10.095	106	221779	53.062	ug/l	100
70) Styrene	10.108	104	377310	53.909	ug/l	100
71) Bromoform	10.285	173	104828	50.806	ug/l #	100
73) Isopropylbenzene	10.478	105	590294	51.429	ug/l	100
74) N-amyl acetate	10.314	43	226110	44.120	ug/l	100
75) 1,1,2,2-Tetrachloroethane	10.777	83	206881	42.955	ug/l	100
76) 1,2,3-Trichloropropane	10.819	75	226605	43.093	ug/l	100
77) Bromobenzene	10.777	156	141190	48.991	ug/l	100
78) n-propylbenzene	10.902	91	714470	51.445	ug/l	100
79) 2-Chlorotoluene	10.983	91	420198	49.321	ug/l	100
80) 1,3,5-Trimethylbenzene	11.082	105	506939	52.395	ug/l	100
81) trans-1,4-Dichloro-2-b...	10.539	75	59877	43.989	ug/l	100
82) 4-Chlorotoluene	11.092	91	484421	50.059	ug/l	100
83) tert-Butylbenzene	11.417	119	495638	51.372	ug/l	100
84) 1,2,4-Trimethylbenzene	11.462	105	503150	52.782	ug/l	100
85) sec-Butylbenzene	11.639	105	636166	52.447	ug/l	100
86) p-Isopropyltoluene	11.790	119	539762	54.223	ug/l	100
87) 1,3-Dichlorobenzene	11.741	146	278629	50.128	ug/l	100
88) 1,4-Dichlorobenzene	11.832	146	276258	48.721	ug/l	100
89) n-Butylbenzene	12.204	91	458840	51.123	ug/l	100
90) Hexachloroethane	12.471	117	91729	47.254	ug/l	100
91) 1,2-Dichlorobenzene	12.208	146	274955	49.942	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.989	75	45828	44.559	ug/l	100
93) 1,2,4-Trichlorobenzene	13.835	180	170631	52.858	ug/l	100
94) Hexachlorobutadiene	14.018	225	88631	51.620	ug/l	100
95) Naphthalene	14.082	128	517356	53.694	ug/l	100
96) 1,2,3-Trichlorobenzene	14.323	180	171587	52.963	ug/l	100

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Response via : Initial Calibration

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

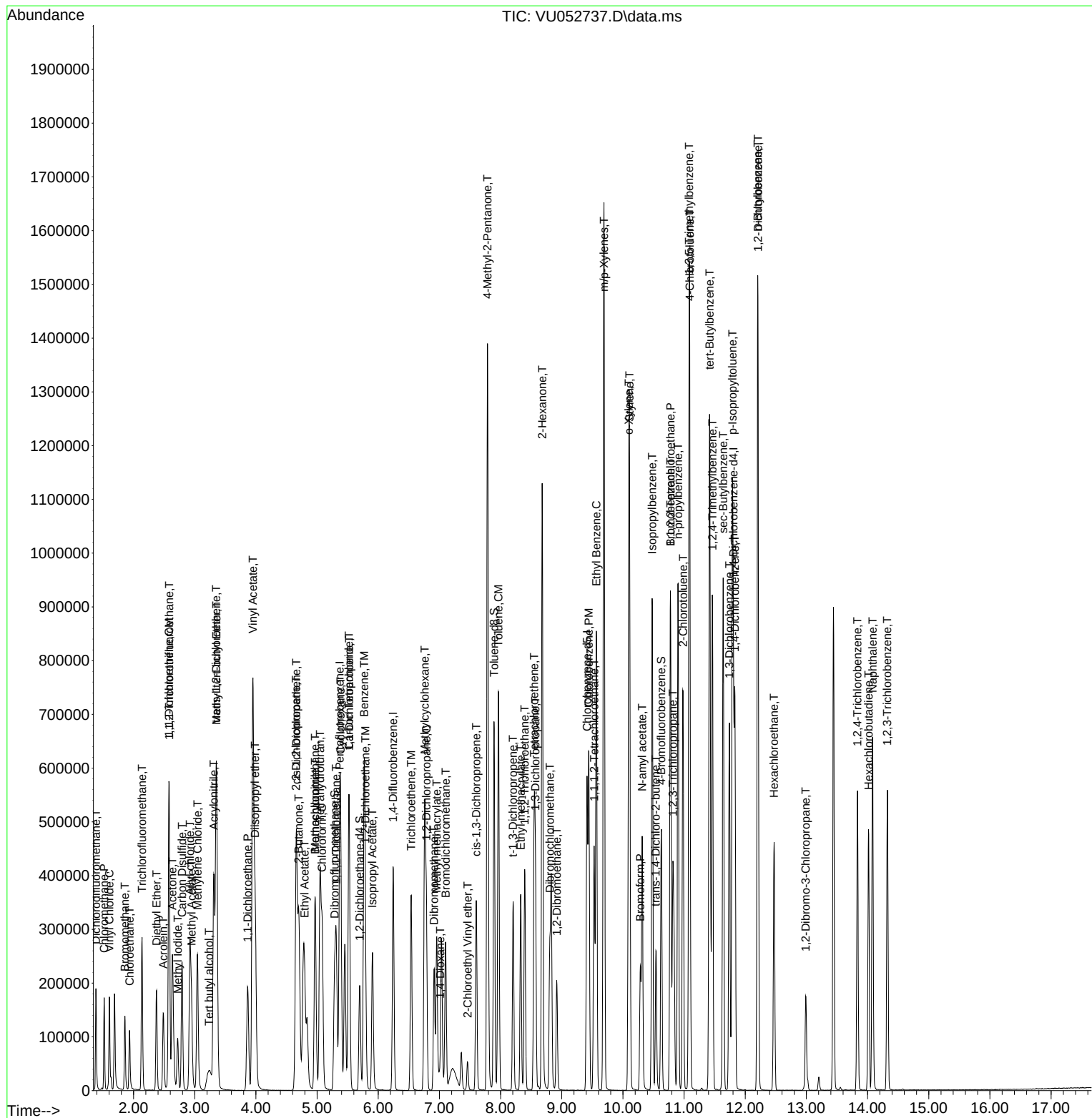
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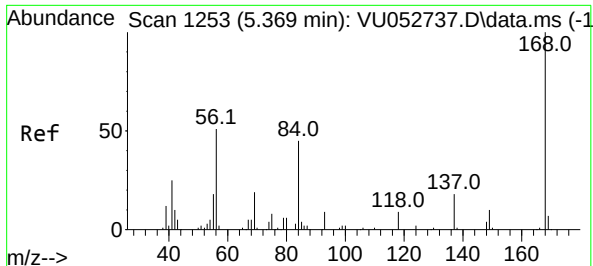
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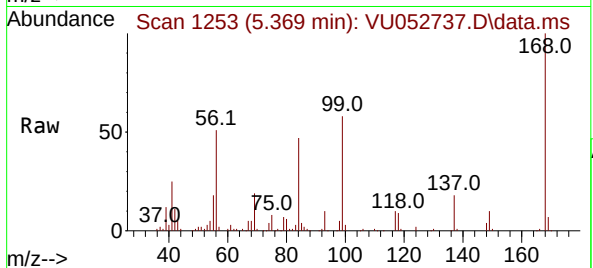
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#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.369 min Scan# 11
Delta R.T. -0.000 min
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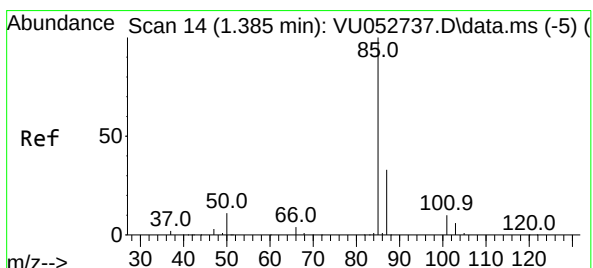
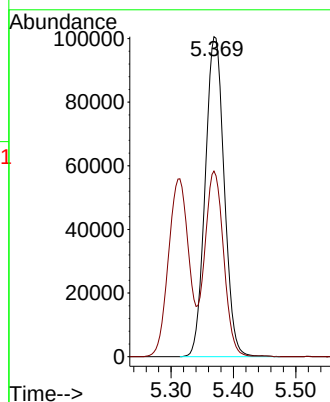
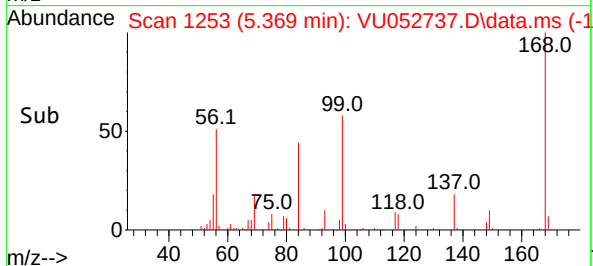
Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050



Tgt Ion:168 Resp: 212700
Ion Ratio Lower Upper
168 100
99 58.0 46.4 69.6

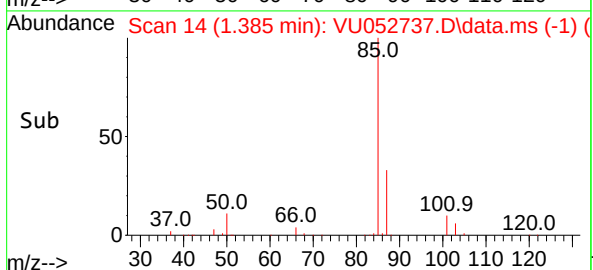
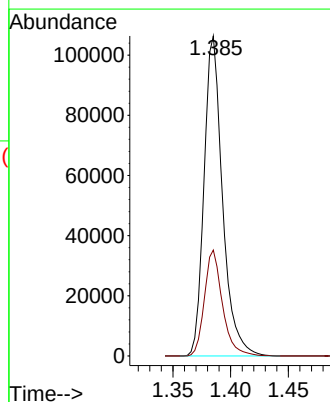
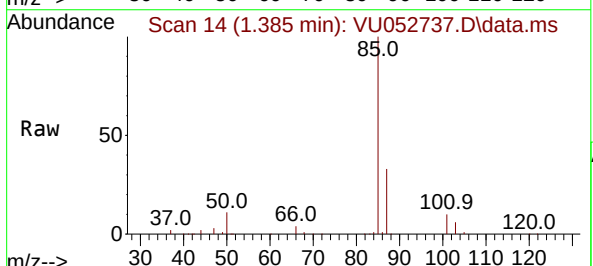
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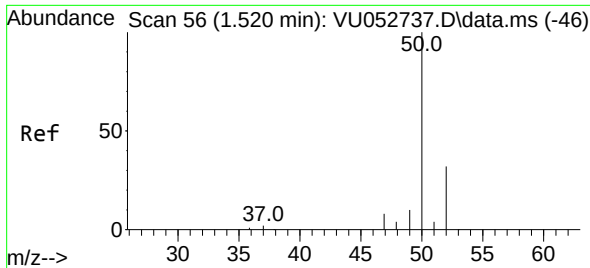
Reviewed By :John Carlone 01/20/2023
Supervised By :Mahesh Dadoda 01/20/2023



#2
Dichlorodifluoromethane
Concen: 45.138 ug/l
RT: 1.385 min Scan# 14
Delta R.T. 0.000 min
Lab File: VU052737.D
Acq: 19 Jan 2023 14:08

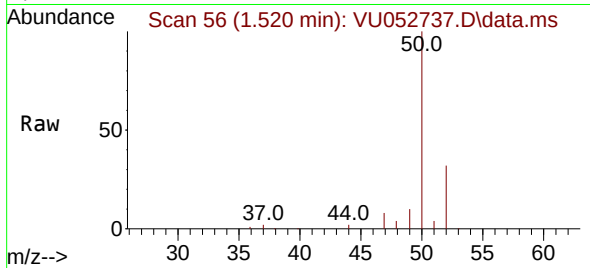
Tgt Ion: 85 Resp: 118253
Ion Ratio Lower Upper
85 100
87 33.1 16.6 49.7





#3
Chloromethane
Concen: 31.082 ug/l
RT: 1.520 min Scan# 50
Delta R.T. 0.000 min
Lab File: VU052737.D
Acq: 19 Jan 2023 14:08

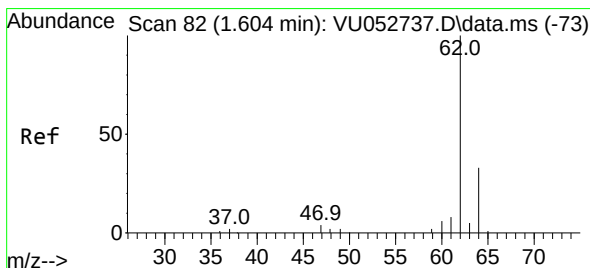
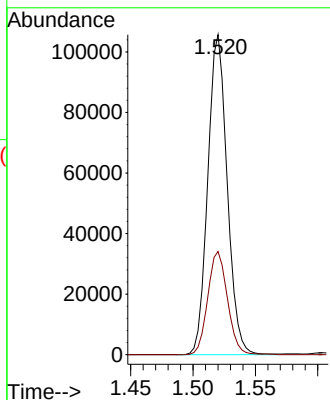
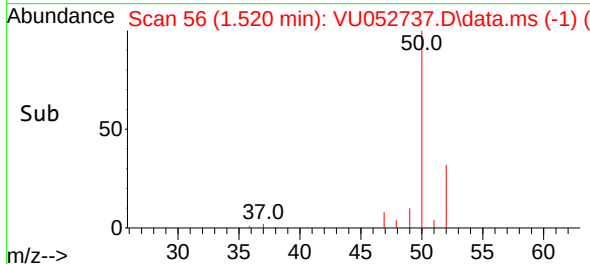
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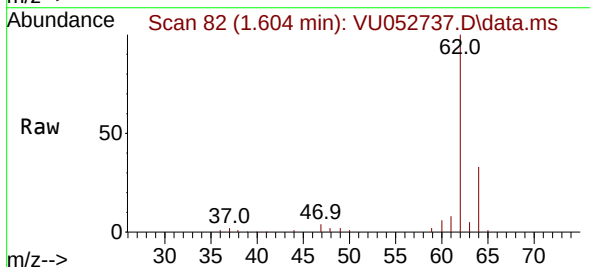
Tgt Ion: 50 Resp: 114550
Ion Ratio Lower Upper
50 100
52 32.2 25.8 38.6

Manual Integrations
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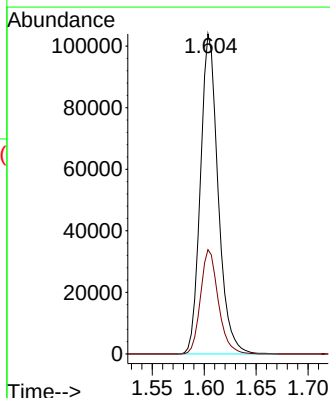
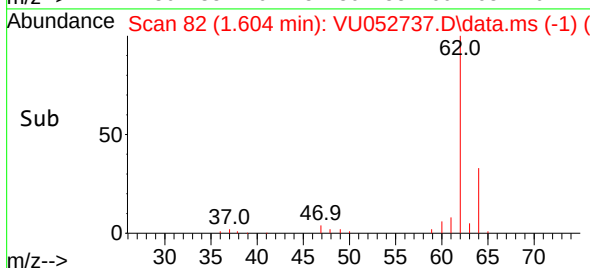
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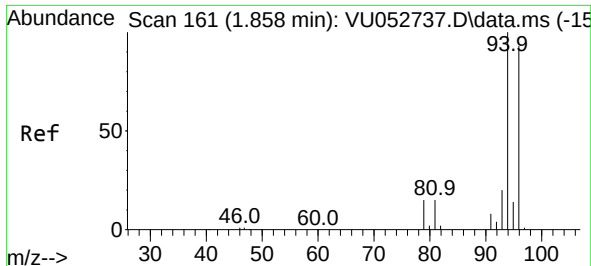


#4
Vinyl Chloride
Concen: 38.130 ug/l
RT: 1.604 min Scan# 82
Delta R.T. 0.000 min
Lab File: VU052737.D
Acq: 19 Jan 2023 14:08



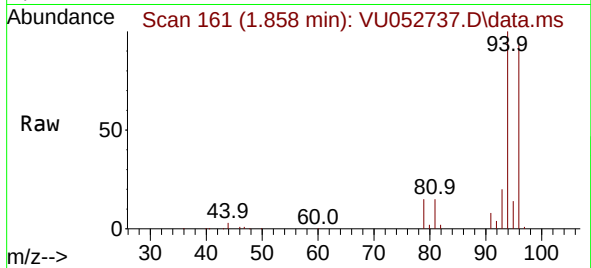
Tgt Ion: 62 Resp: 123075
Ion Ratio Lower Upper
62 100
64 32.6 26.1 39.1





#5
Bromomethane
Concen: 33.561 ug/l
RT: 1.858 min Scan# 161
Delta R.T. 0.000 min
Lab File: VU052737.D
Acq: 19 Jan 2023 14:08

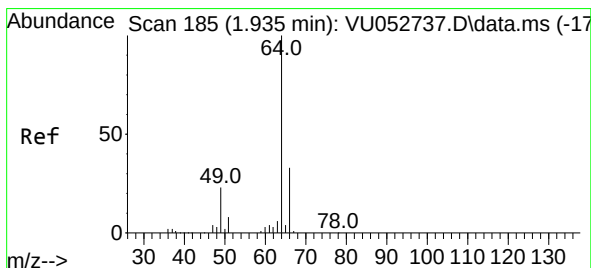
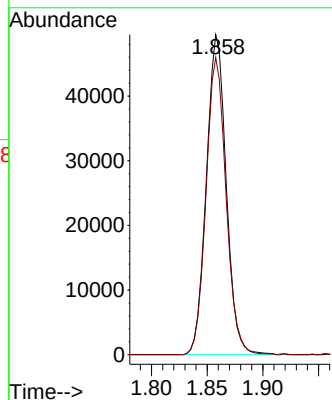
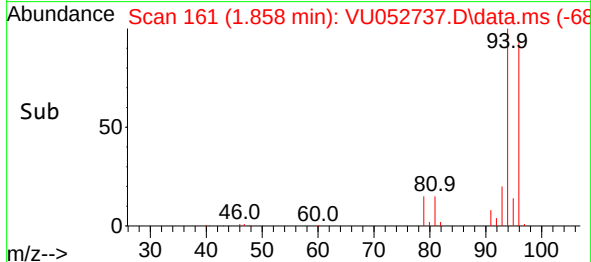
Instrument :
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Tgt Ion: 94 Resp: 6138
Ion Ratio Lower Upper
94 100
96 92.9 74.3 111.5

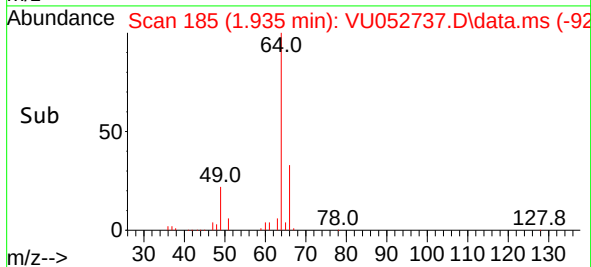
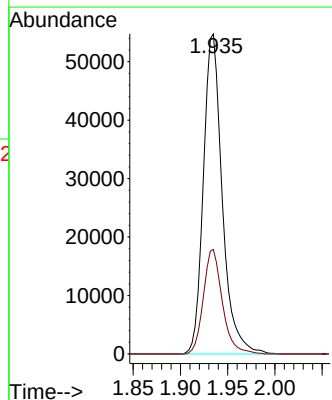
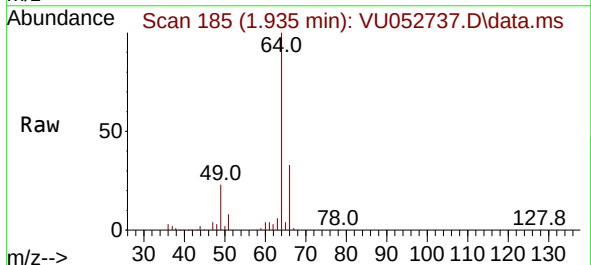
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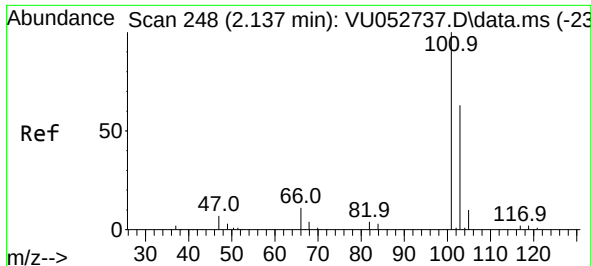
Reviewed By :John Carlone 01/20/2023
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#6
Chloroethane
Concen: 38.892 ug/l
RT: 1.935 min Scan# 185
Delta R.T. 0.000 min
Lab File: VU052737.D
Acq: 19 Jan 2023 14:08

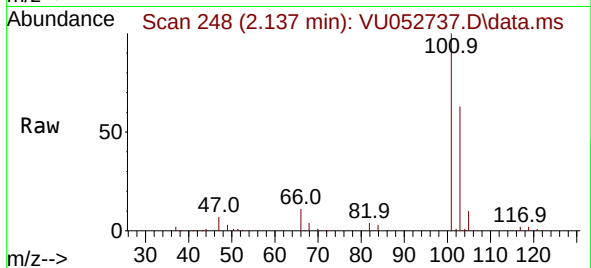
Tgt Ion: 64 Resp: 75990
Ion Ratio Lower Upper
64 100
66 32.6 26.1 39.1





#7
 Trichlorofluoromethane
 Concen: 45.435 ug/l
 RT: 2.137 min Scan# 248
 Delta R.T. 0.000 min
 Lab File: VU052737.D
 Acq: 19 Jan 2023 14:08

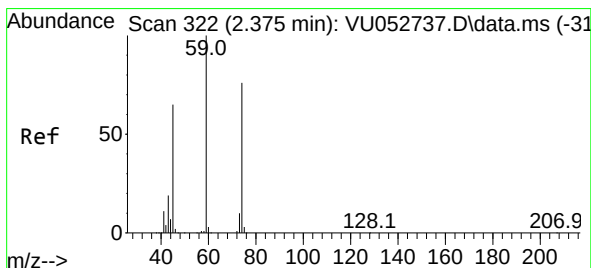
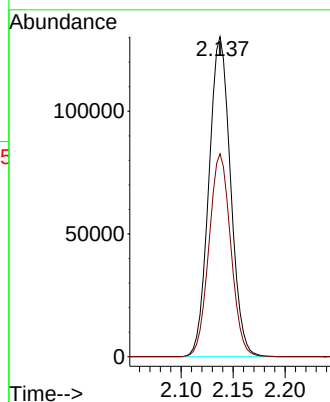
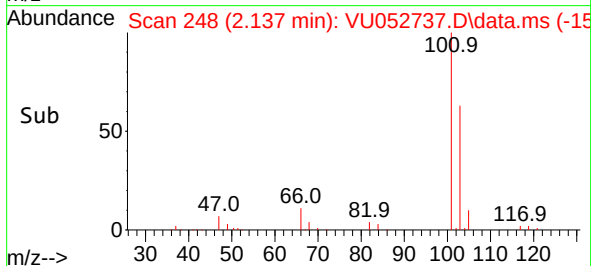
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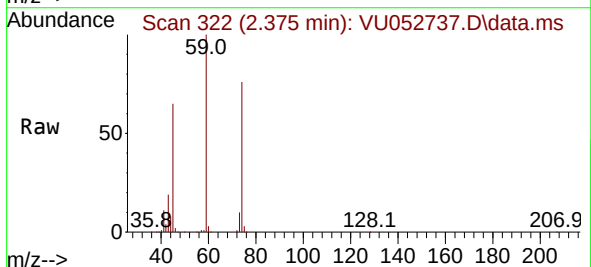
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 Ion Ratio Lower Upper
 101 100
 103 63.4 50.7 76.1

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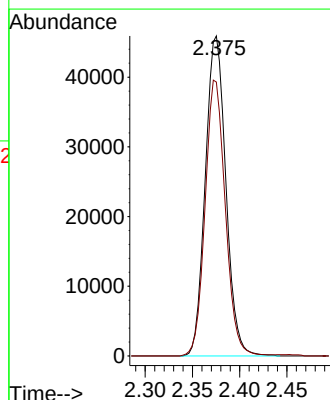
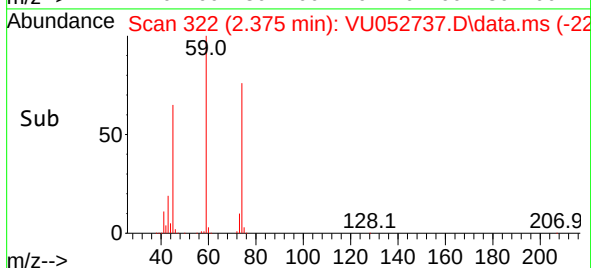
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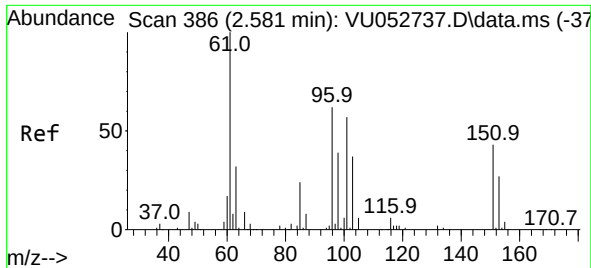


#8
 Diethyl Ether
 Concen: 41.273 ug/l
 RT: 2.375 min Scan# 322
 Delta R.T. 0.000 min
 Lab File: VU052737.D
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Tgt Ion: 74 Resp: 69545
 Ion Ratio Lower Upper
 74 100
 45 84.9 42.4 127.3





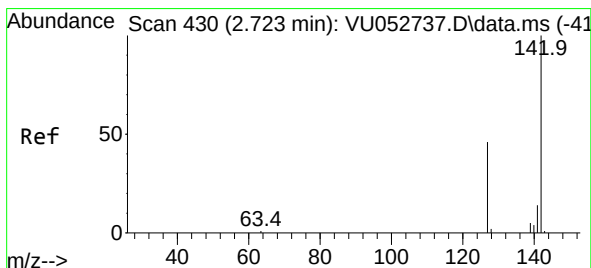
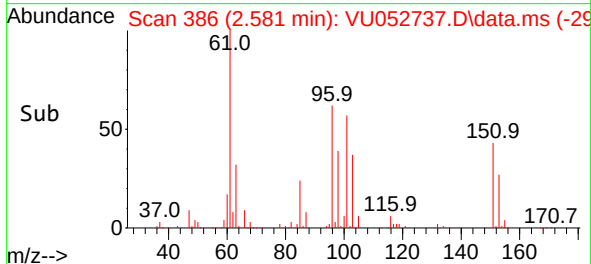
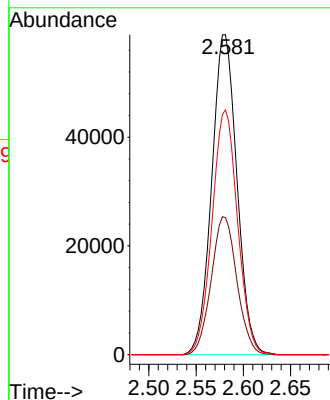
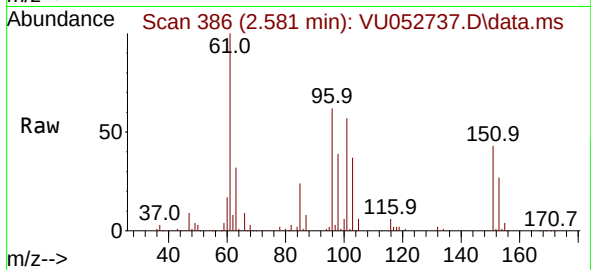
#9
1,1,2-Trichlorotrifluoroethane
Concen: 44.234 ug/l
RT: 2.581 min Scan# 386
Delta R.T. 0.000 min
Lab File: VU052737.D
Acq: 19 Jan 2023 14:08

Instrument :
MSVOA_U
Client Sample Id :
VSTDICCC050

Tgt Ion:101 Resp: 109184
Ion Ratio Lower Upper
101 100
85 43.9 35.1 52.7
151 77.4 61.9 92.9

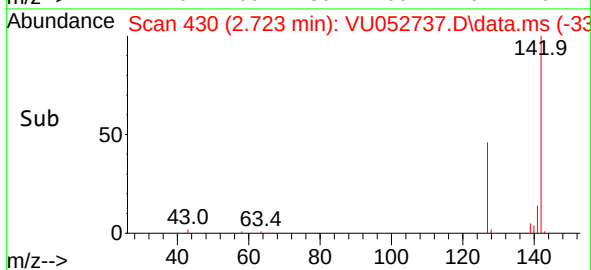
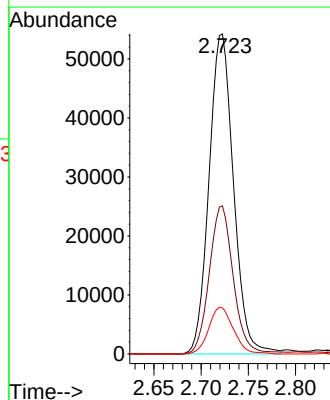
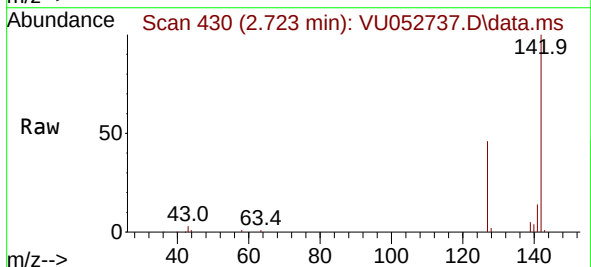
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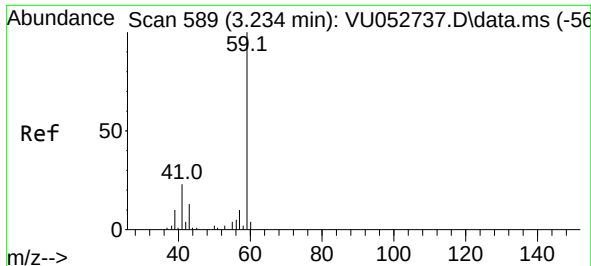
Reviewed By :John Carlone 01/20/2023
Supervised By :Mahesh Dadoda 01/20/2023



#10
Methyl Iodide
Concen: 39.425 ug/l
RT: 2.723 min Scan# 430
Delta R.T. 0.000 min
Lab File: VU052737.D
Acq: 19 Jan 2023 14:08

Tgt Ion:142 Resp: 97813
Ion Ratio Lower Upper
142 100
127 45.4 36.3 54.5
141 14.7 11.8 17.6





#11

Tert butyl alcohol

Concen: 210.957 ug/l m

RT: 3.234 min Scan# 589

Delta R.T. 0.000 min

Lab File: VU052737.D

Acq: 19 Jan 2023 14:08

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC050

Tgt Ion: 59 Resp: 137769

Ion Ratio Lower Upper

59 100

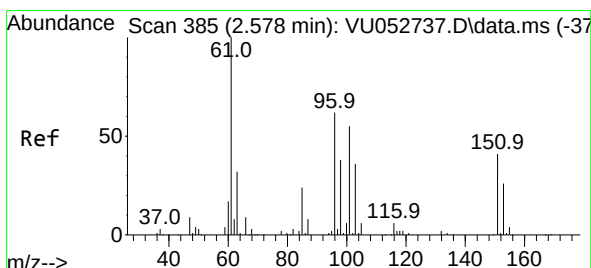
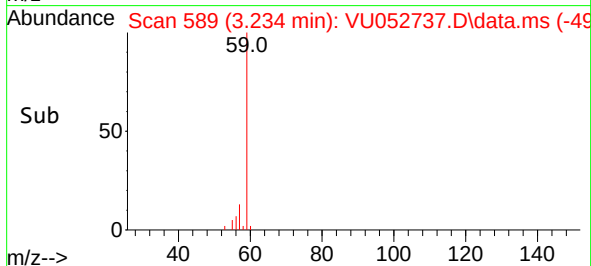
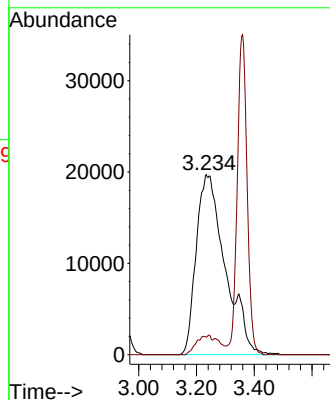
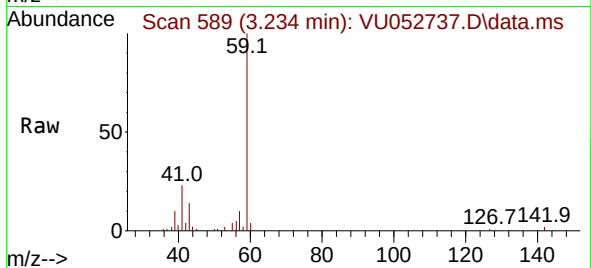
57 3.8 3.0 4.6

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Reviewed By :John Carlone 01/20/2023

Supervised By :Mahesh Dadoda 01/20/2023



#12

1,1-Dichloroethene

Concen: 43.778 ug/l

RT: 2.578 min Scan# 385

Delta R.T. 0.000 min

Lab File: VU052737.D

Acq: 19 Jan 2023 14:08

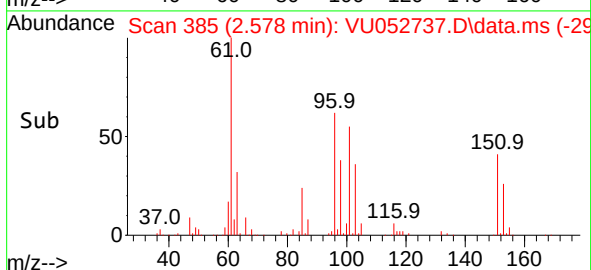
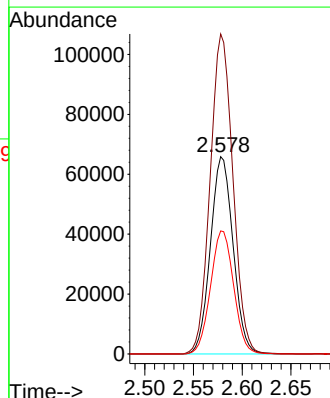
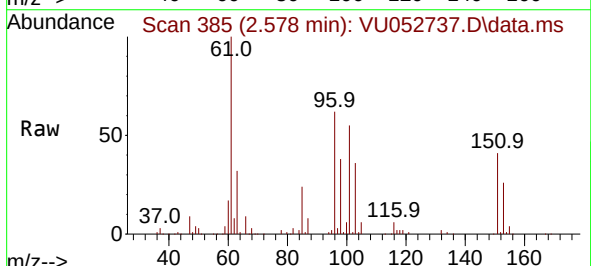
Tgt Ion: 96 Resp: 106509

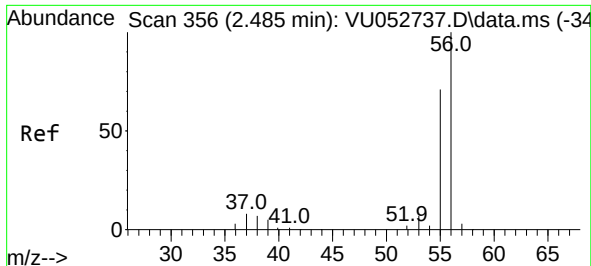
Ion Ratio Lower Upper

96 100

61 162.2 129.8 194.6

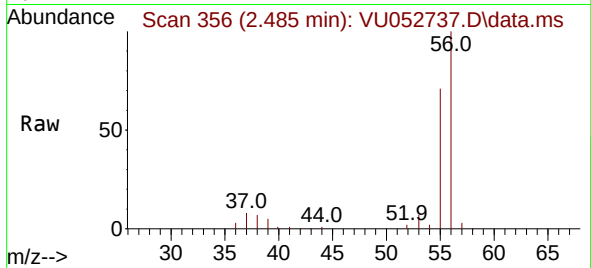
98 62.4 49.9 74.9





#13
Acrolein
Concen: 156.788 ug/l
RT: 2.485 min Scan# 356
Delta R.T. 0.000 min
Lab File: VU052737.D
Acq: 19 Jan 2023 14:08

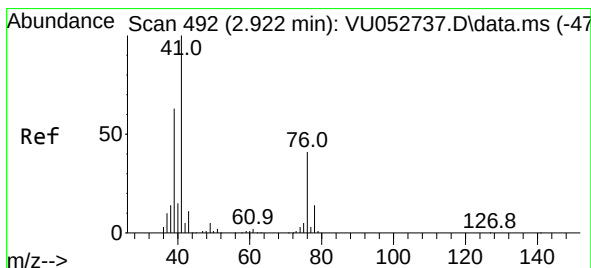
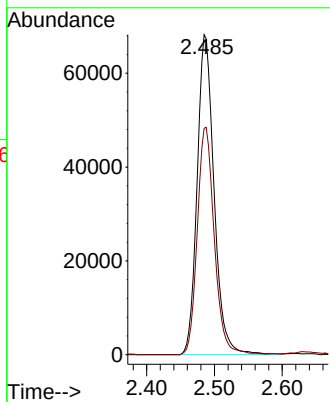
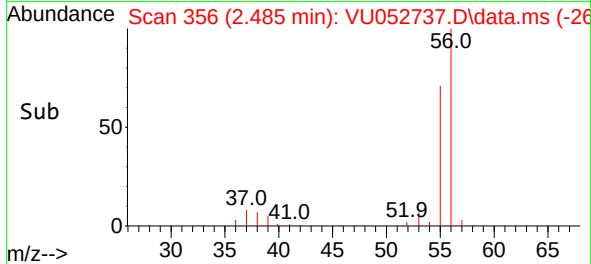
Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050



Tgt Ion: 56 Resp: 118364
Ion Ratio Lower Upper
56 100
55 71.5 57.2 85.8

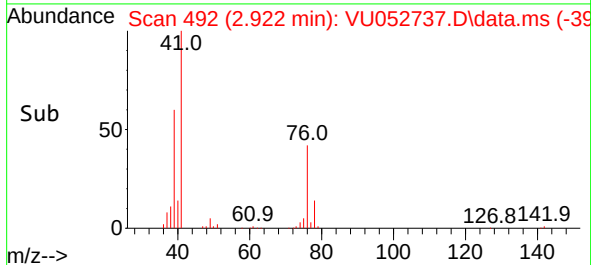
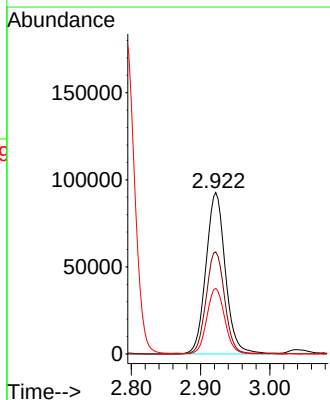
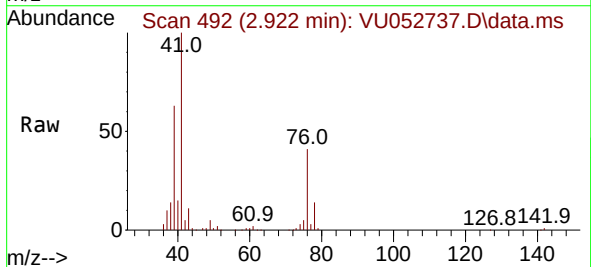
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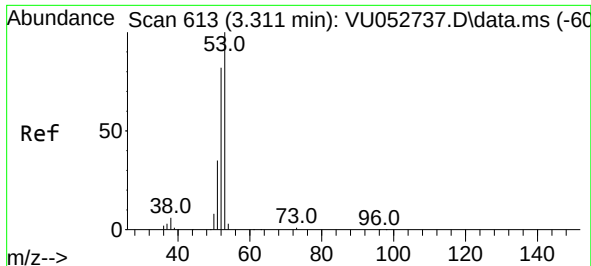
Reviewed By :John Carlone 01/20/2023
Supervised By :Mahesh Dadoda 01/20/2023



#14
Allyl chloride
Concen: 38.565 ug/l
RT: 2.922 min Scan# 492
Delta R.T. 0.000 min
Lab File: VU052737.D
Acq: 19 Jan 2023 14:08

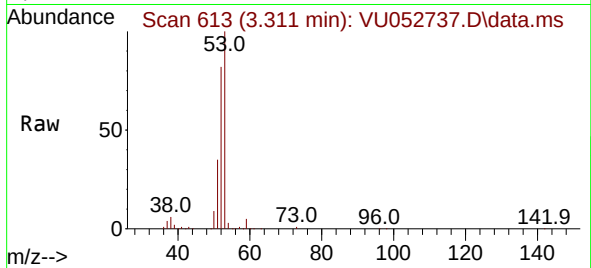
Tgt Ion: 41 Resp: 180841
Ion Ratio Lower Upper
41 100
39 60.2 48.2 72.2
76 36.7 29.4 44.0





#15
Acrylonitrile
Concen: 205.992 ug/l
RT: 3.311 min Scan# 613
Delta R.T. 0.000 min
Lab File: VU052737.D
Acq: 19 Jan 2023 14:08

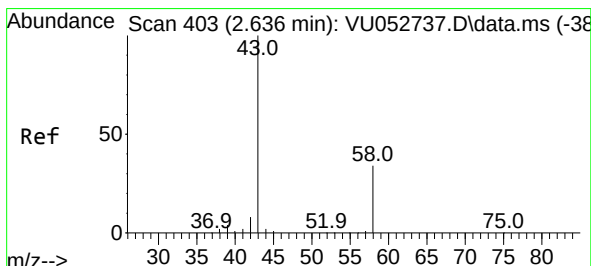
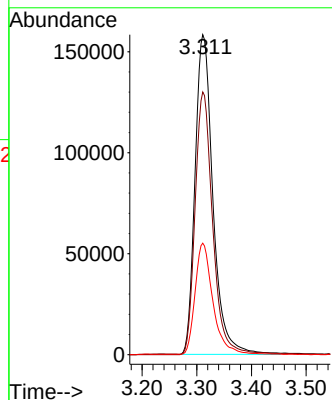
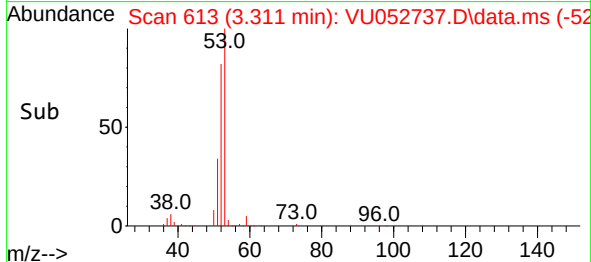
Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050



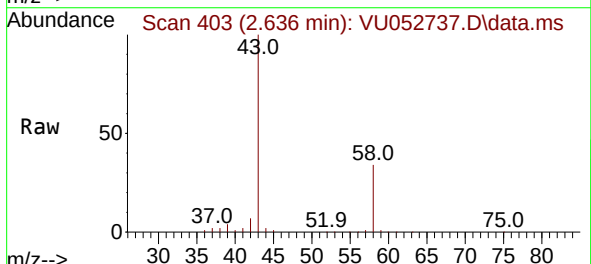
Tgt Ion: 53 Resp: 359472
Ion Ratio Lower Upper
53 100
52 81.1 64.9 97.3
51 34.5 27.6 41.4

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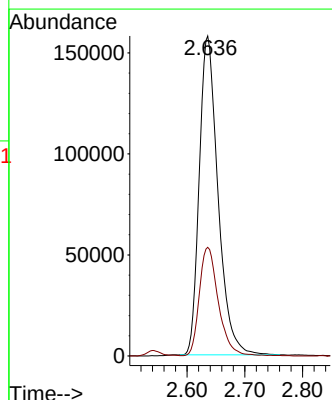
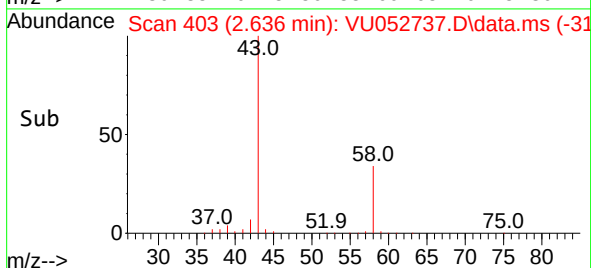
Reviewed By :John Carlone 01/20/2023
Supervised By :Mahesh Dadoda 01/20/2023

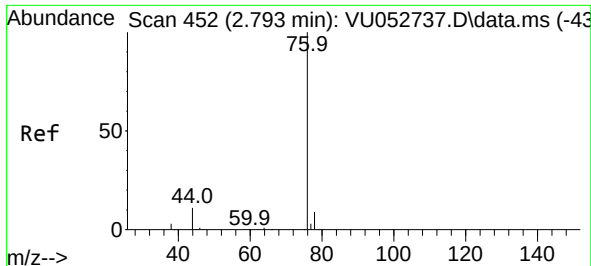


#16
Acetone
Concen: 210.250 ug/l
RT: 2.636 min Scan# 403
Delta R.T. 0.000 min
Lab File: VU052737.D
Acq: 19 Jan 2023 14:08



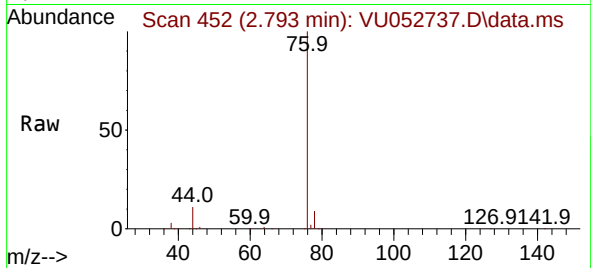
Tgt Ion: 43 Resp: 356342
Ion Ratio Lower Upper
43 100
58 33.9 27.1 40.7





#17
Carbon Disulfide
Concen: 41.268 ug/l
RT: 2.793 min Scan# 452
Delta R.T. 0.000 min
Lab File: VU052737.D
Acq: 19 Jan 2023 14:08

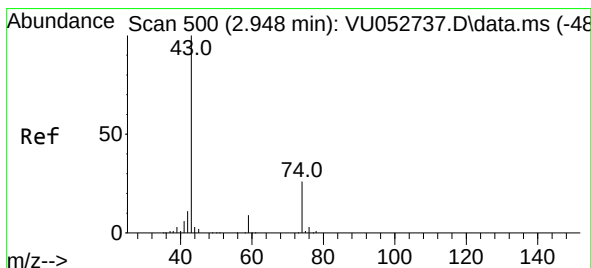
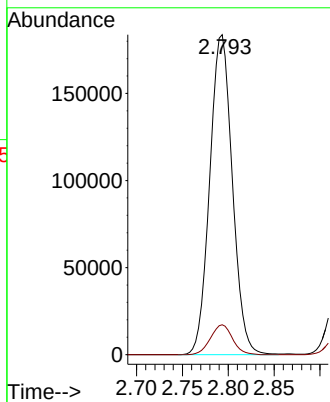
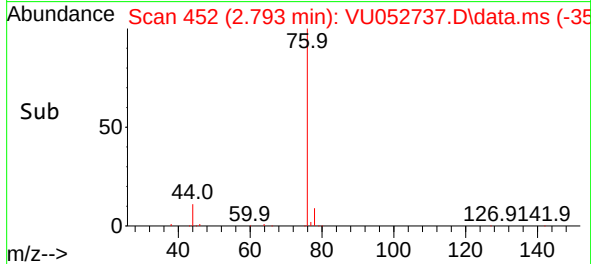
Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050



Tgt Ion: 76 Resp: 315530
Ion Ratio Lower Upper
76 100
78 9.3 7.4 11.2

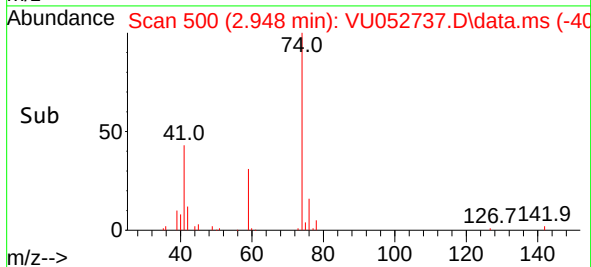
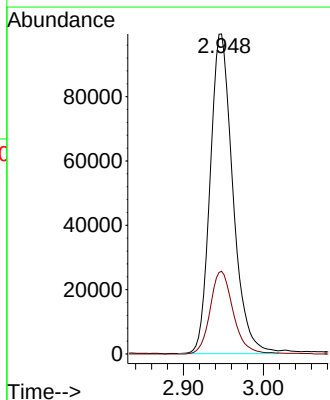
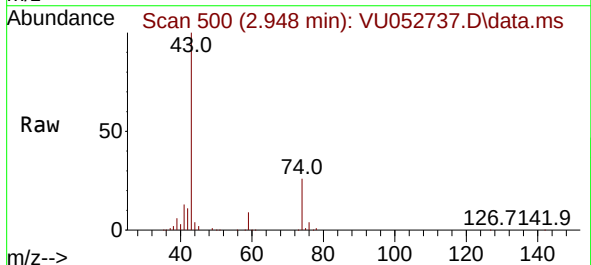
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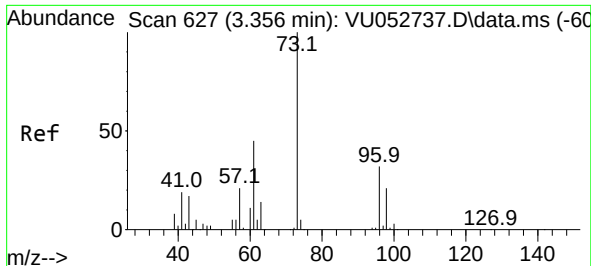
Reviewed By :John Carlone 01/20/2023
Supervised By :Mahesh Dadoda 01/20/2023



#18
Methyl Acetate
Concen: 39.884 ug/l
RT: 2.948 min Scan# 500
Delta R.T. 0.000 min
Lab File: VU052737.D
Acq: 19 Jan 2023 14:08

Tgt Ion: 43 Resp: 195896
Ion Ratio Lower Upper
43 100
74 26.4 21.1 31.7





#19

Methyl tert-butyl Ether

Concen: 45.361 ug/l

RT: 3.356 min Scan# 61

Delta R.T. 0.000 min

Lab File: VU052737.D

Acq: 19 Jan 2023 14:08

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC050

Tgt Ion: 73 Resp: 382304

Ion Ratio Lower Upper

73 100

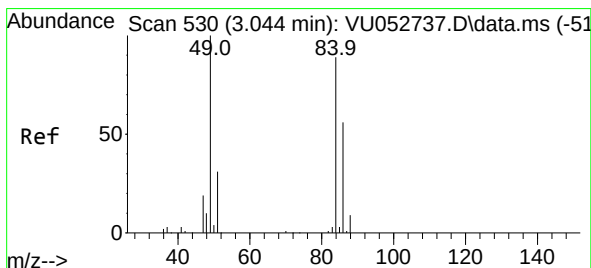
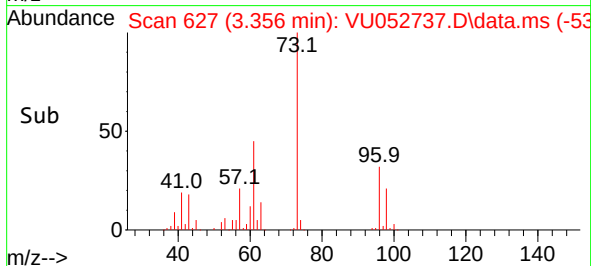
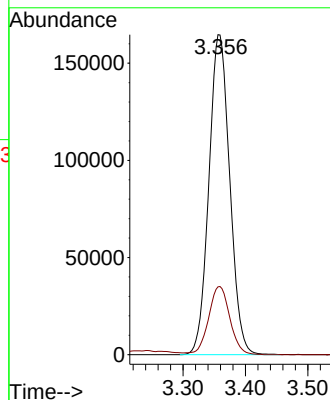
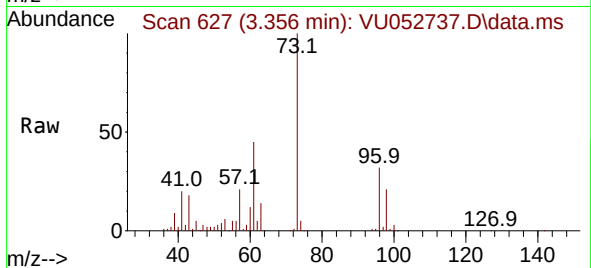
57 21.1 16.9 25.3

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Reviewed By :John Carlone 01/20/2023

Supervised By :Mahesh Dadoda 01/20/2023



#20

Methylene Chloride

Concen: 35.952 ug/l

RT: 3.044 min Scan# 530

Delta R.T. 0.000 min

Lab File: VU052737.D

Acq: 19 Jan 2023 14:08

Tgt Ion: 84 Resp: 129476

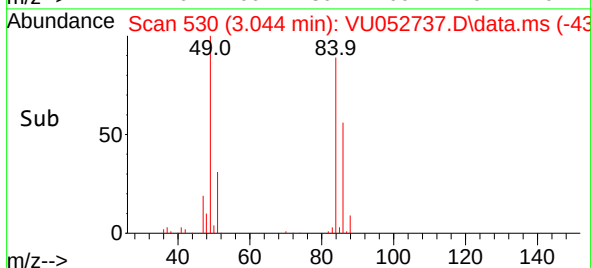
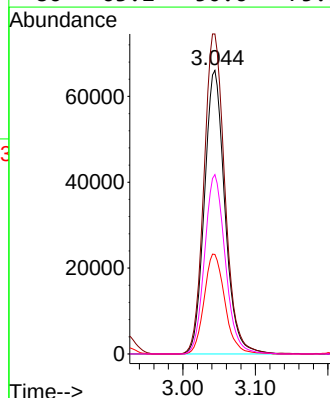
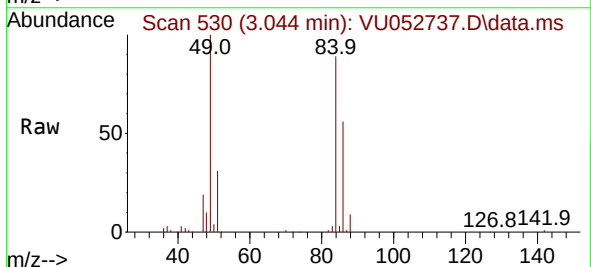
Ion Ratio Lower Upper

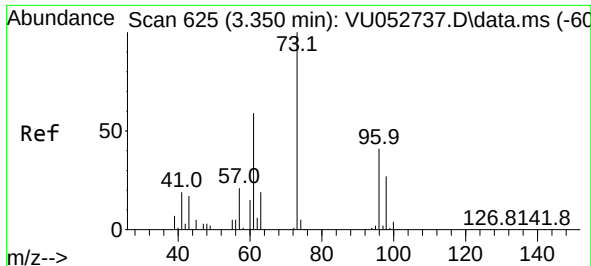
84 100

49 112.8 90.2 135.4

51 35.1 28.1 42.1

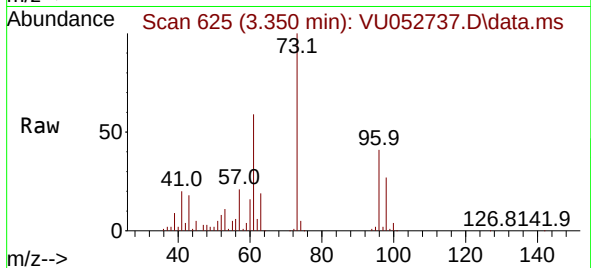
86 63.2 50.6 75.8





#21
trans-1,2-Dichloroethene
Concen: 44.564 ug/l
RT: 3.350 min Scan# 612
Delta R.T. 0.000 min
Lab File: VU052737.D
Acq: 19 Jan 2023 14:08

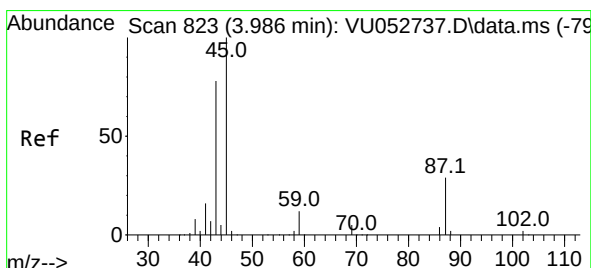
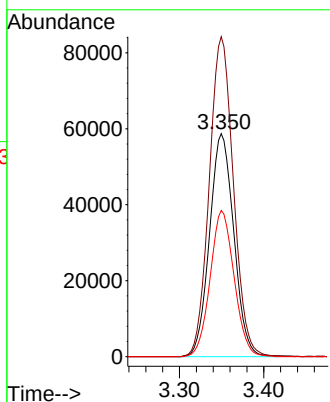
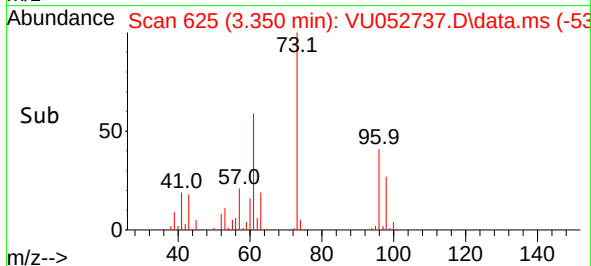
Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050



Tgt Ion: 96 Resp: 117464
Ion Ratio Lower Upper
96 100
61 143.4 114.7 172.1
98 65.5 52.4 78.6

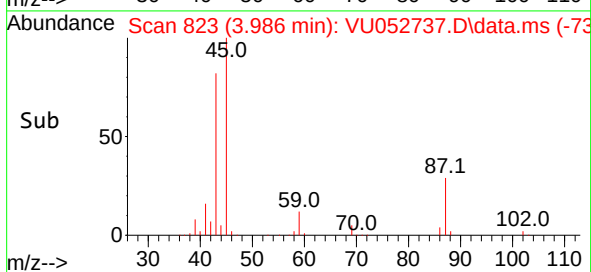
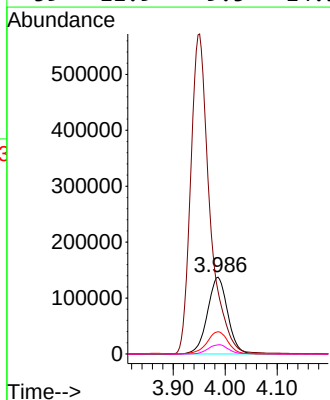
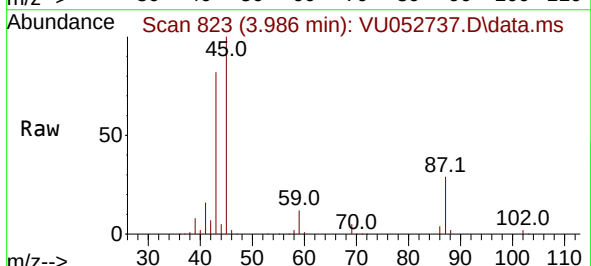
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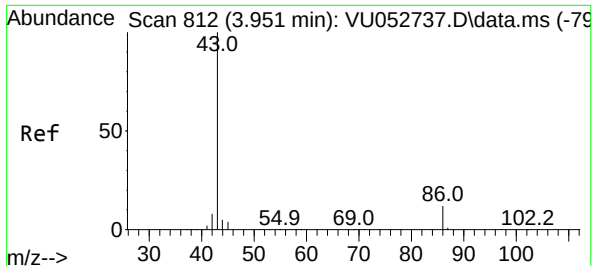
Reviewed By :John Carlone 01/20/2023
Supervised By :Mahesh Dadoda 01/20/2023



#22
Diisopropyl ether
Concen: 40.910 ug/l
RT: 3.986 min Scan# 823
Delta R.T. 0.000 min
Lab File: VU052737.D
Acq: 19 Jan 2023 14:08

Tgt Ion: 45 Resp: 370299
Ion Ratio Lower Upper
45 100
43 80.8 64.6 97.0
87 29.0 23.2 34.8
59 11.9 9.5 14.3





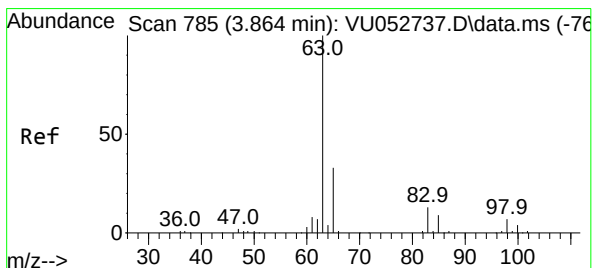
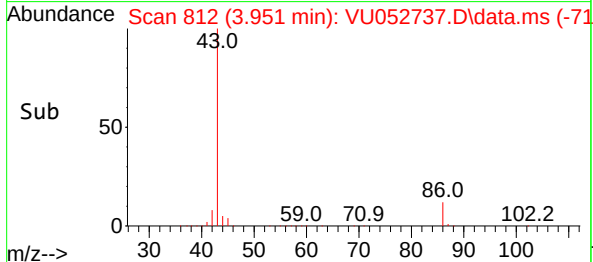
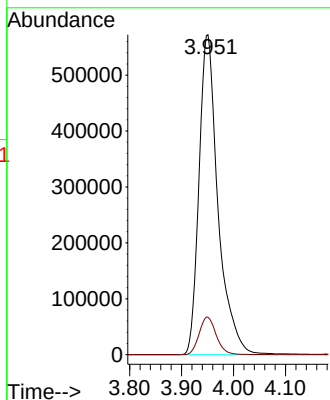
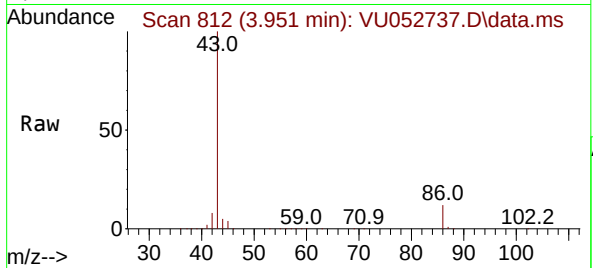
#23
 Vinyl Acetate
 Concen: 206.748 ug/l
 RT: 3.951 min Scan# 812
 Delta R.T. 0.000 min
 Lab File: VU052737.D
 Acq: 19 Jan 2023 14:08

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC050

Tgt Ion: 43 Resp: 145545
 Ion Ratio Lower Upper
 43 100
 86 11.7 9.4 14.0

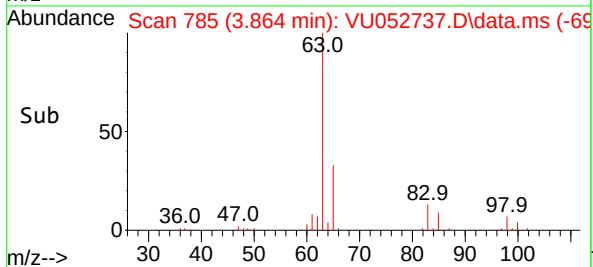
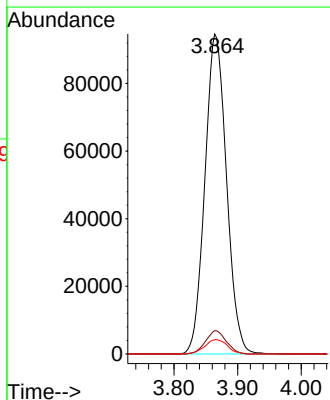
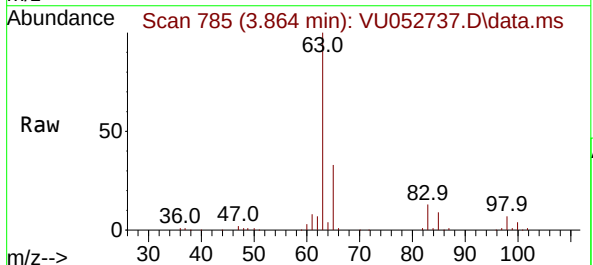
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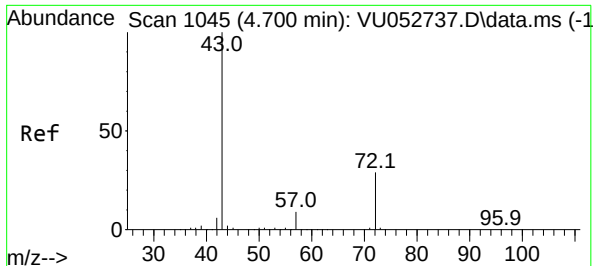
Reviewed By :John Carlone 01/20/2023
 Supervised By :Mahesh Dadoda 01/20/2023



#24
 1,1-Dichloroethane
 Concen: 41.493 ug/l
 RT: 3.864 min Scan# 785
 Delta R.T. 0.000 min
 Lab File: VU052737.D
 Acq: 19 Jan 2023 14:08

Tgt Ion: 63 Resp: 223194
 Ion Ratio Lower Upper
 63 100
 98 7.3 3.6 10.9
 100 4.4 2.2 6.6





#25

2-Butanone

Concen: 208.907 ug/l

RT: 4.700 min Scan# 1045

Delta R.T. 0.000 min

Lab File: VU052737.D

Acq: 19 Jan 2023 14:08

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC050

Tgt Ion: 43 Resp: 484108

Ion Ratio Lower Upper

43 100

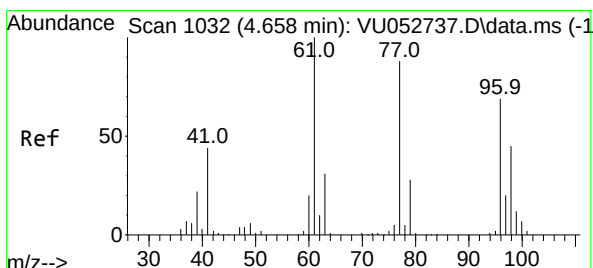
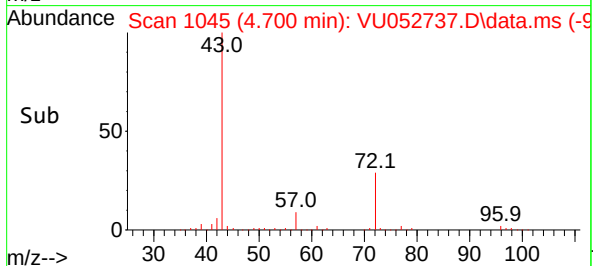
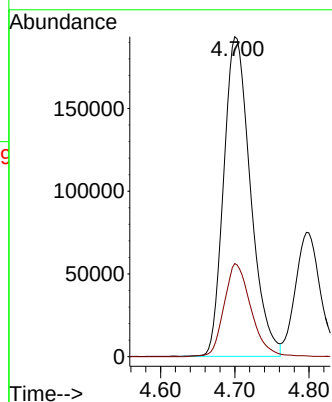
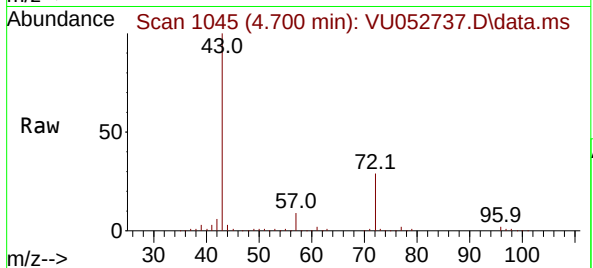
72 29.1 23.3 34.9

Manual Integrations

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Reviewed By :John Carlone 01/20/2023

Supervised By :Mahesh Dadoda 01/20/2023



#26

2,2-Dichloropropane

Concen: 44.053 ug/l

RT: 4.658 min Scan# 1032

Delta R.T. 0.000 min

Lab File: VU052737.D

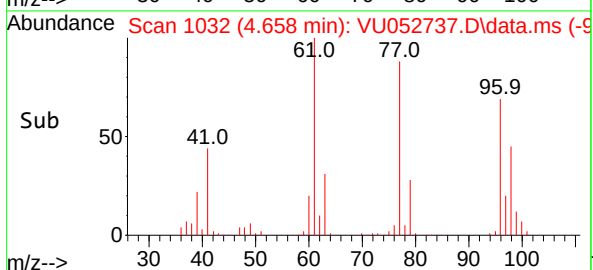
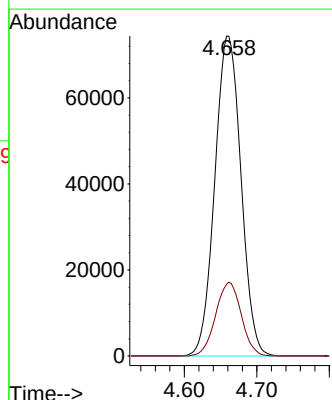
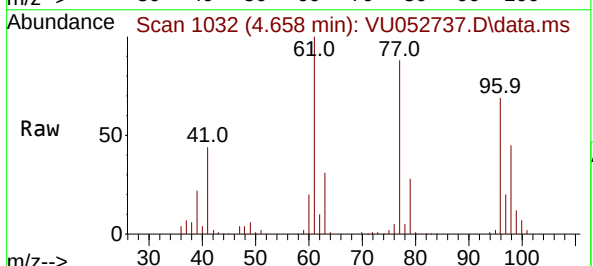
Acq: 19 Jan 2023 14:08

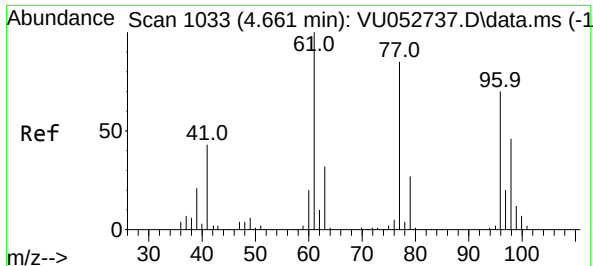
Tgt Ion: 77 Resp: 186433

Ion Ratio Lower Upper

77 100

97 22.5 11.3 33.8





#27

cis-1,2-Dichloroethene

Concen: 44.682 ug/l

RT: 4.661 min Scan# 1033

Delta R.T. 0.000 min

Lab File: VU052737.D

Acq: 19 Jan 2023 14:08

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC050

Tgt Ion: 96 Resp: 13507

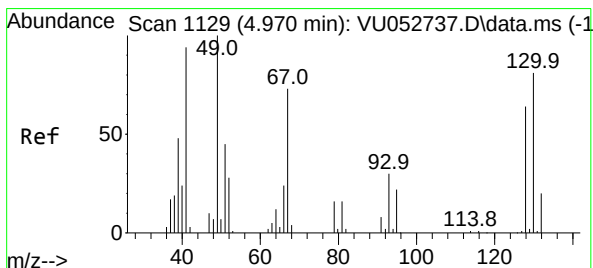
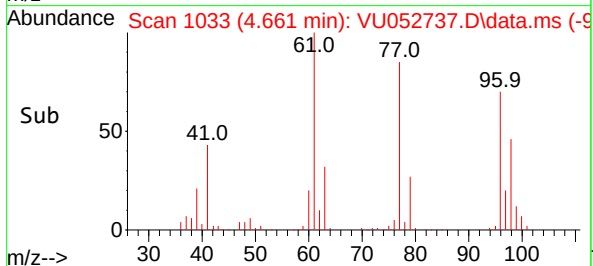
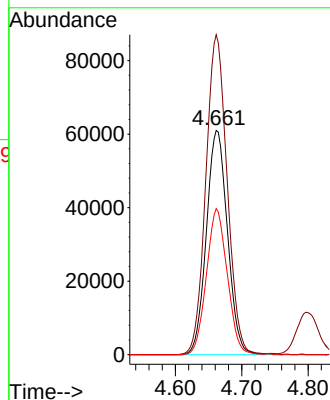
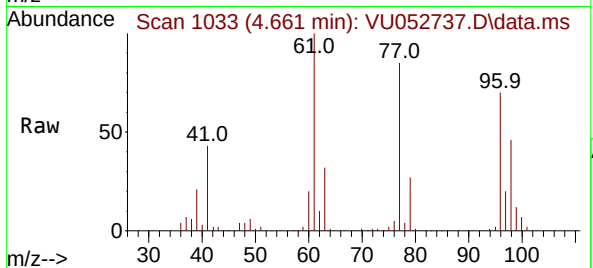
Ion	Ratio	Lower	Upper
96	100		
61	143.6	0.0	287.2
98	64.2	0.0	128.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/20/2023

Supervised By :Mahesh Dadoda 01/20/2023



#28

Bromochloromethane

Concen: 39.143 ug/l

RT: 4.970 min Scan# 1129

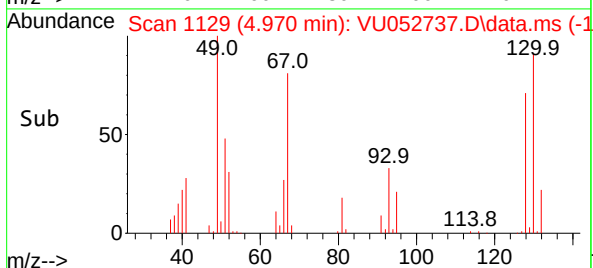
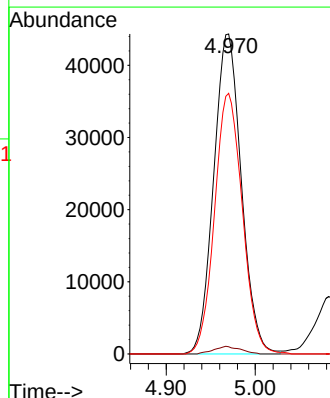
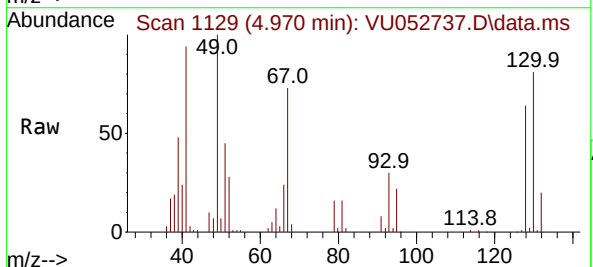
Delta R.T. 0.000 min

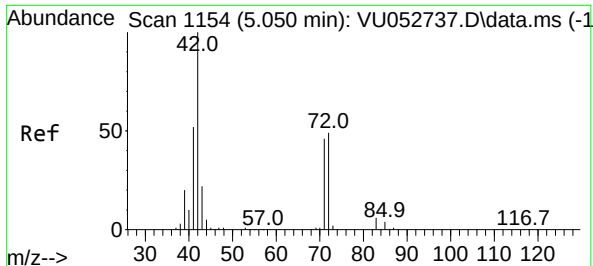
Lab File: VU052737.D

Acq: 19 Jan 2023 14:08

Tgt Ion: 49 Resp: 95684

Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	4.6
130	81.9	65.5	98.3





#29

Tetrahydrofuran

Concen: 202.661 ug/l

RT: 5.050 min Scan# 1154

Delta R.T. 0.000 min

Lab File: VU052737.D

Acq: 19 Jan 2023 14:08

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC050

Tgt Ion: 42 Resp: 283725

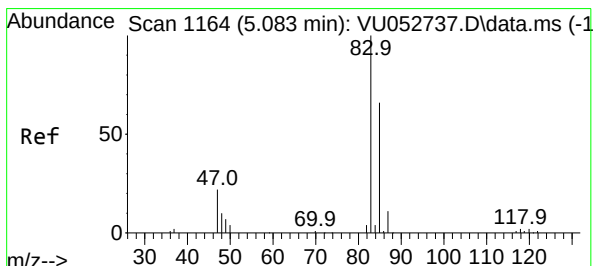
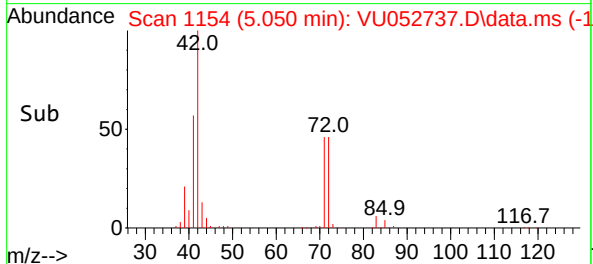
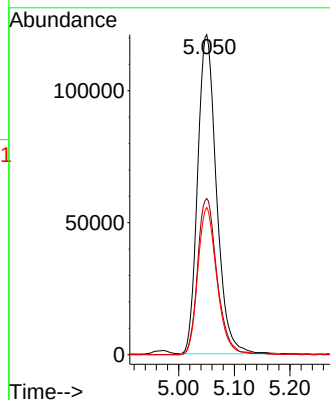
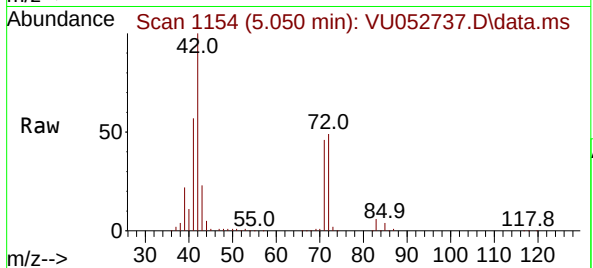
Ion	Ratio	Lower	Upper
42	100		
72	50.6	40.5	60.7
71	46.7	37.4	56.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/20/2023

Supervised By :Mahesh Dadoda 01/20/2023



#30

Chloroform

Concen: 41.233 ug/l

RT: 5.083 min Scan# 1164

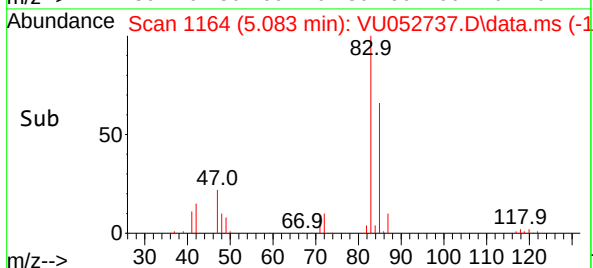
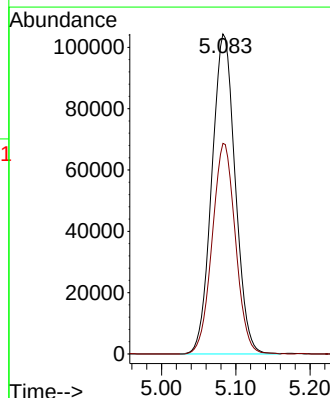
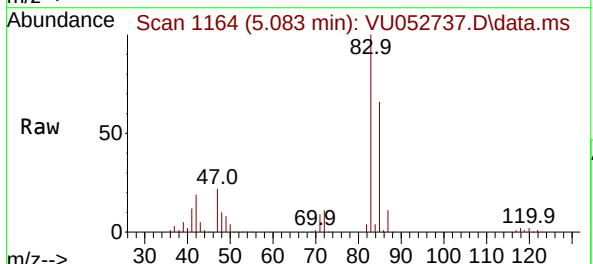
Delta R.T. 0.000 min

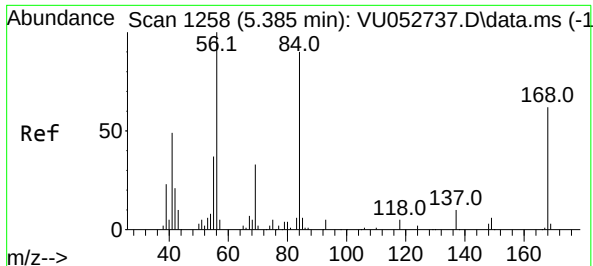
Lab File: VU052737.D

Acq: 19 Jan 2023 14:08

Tgt Ion: 83 Resp: 228077

Ion	Ratio	Lower	Upper
83	100		
85	65.8	52.6	79.0





#31

Cyclohexane

Concen: 40.487 ug/l

RT: 5.385 min Scan# 1258

Delta R.T. 0.000 min

Lab File: VU052737.D

Acq: 19 Jan 2023 14:08

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC050

Tgt Ion: 56 Resp: 20336

Ion Ratio Lower Upper

56 100

69 32.7 26.2 39.2

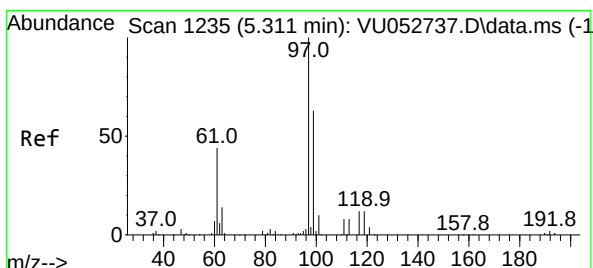
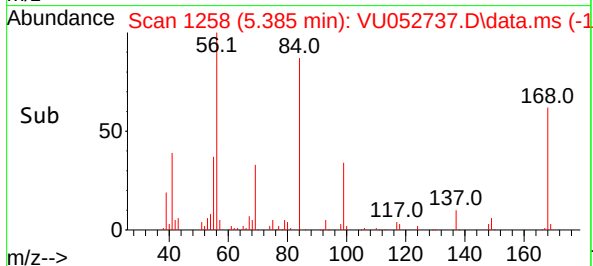
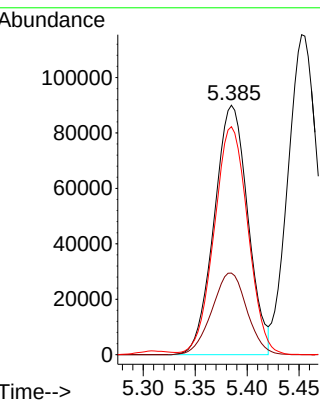
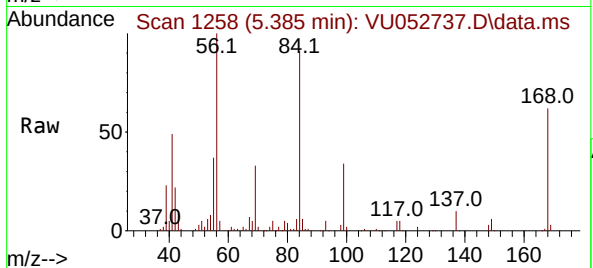
84 90.3 72.2 108.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/20/2023

Supervised By :Mahesh Dadoda 01/20/2023



#32

1,1,1-Trichloroethane

Concen: 45.928 ug/l

RT: 5.311 min Scan# 1235

Delta R.T. 0.000 min

Lab File: VU052737.D

Acq: 19 Jan 2023 14:08

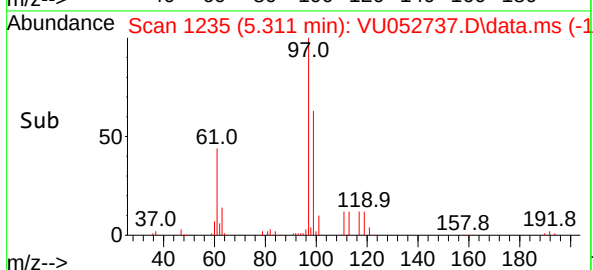
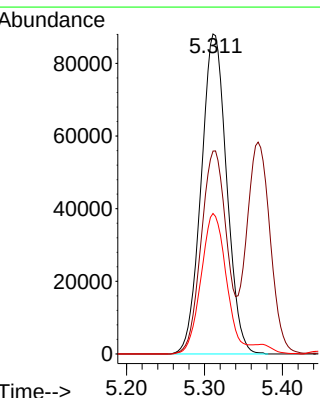
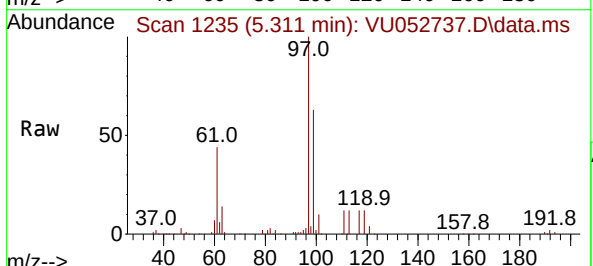
Tgt Ion: 97 Resp: 200181

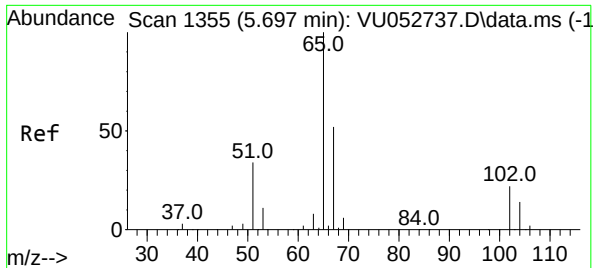
Ion Ratio Lower Upper

97 100

99 63.1 50.5 75.7

61 43.9 35.1 52.7





#33

1,2-Dichloroethane-d4

Concen: 44.179 ug/l

RT: 5.697 min Scan# 1355

Delta R.T. 0.000 min

Lab File: VU052737.D

Acq: 19 Jan 2023 14:08

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC050

Tgt Ion: 65 Resp: 147425

Ion Ratio Lower Upper

65 100

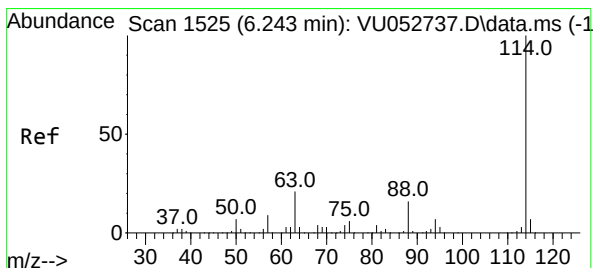
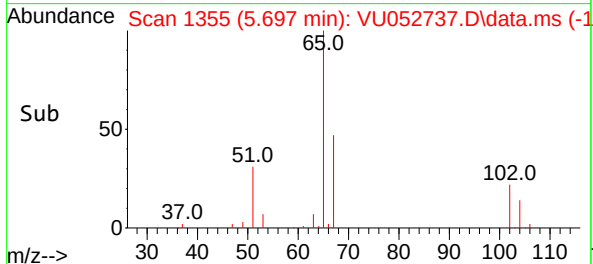
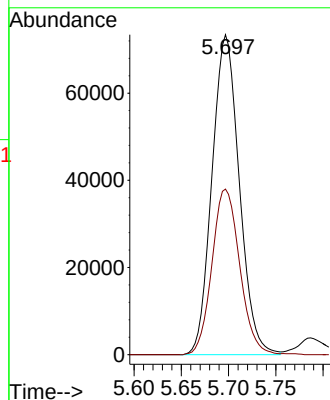
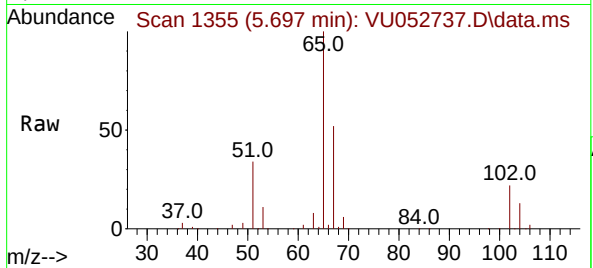
67 52.8 0.0 105.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/20/2023

Supervised By :Mahesh Dadoda 01/20/2023



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.243 min Scan# 1525

Delta R.T. 0.000 min

Lab File: VU052737.D

Acq: 19 Jan 2023 14:08

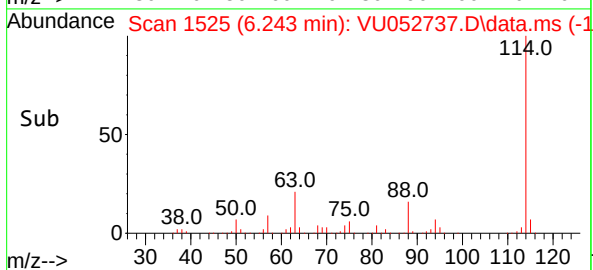
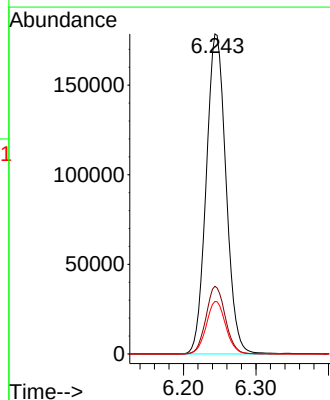
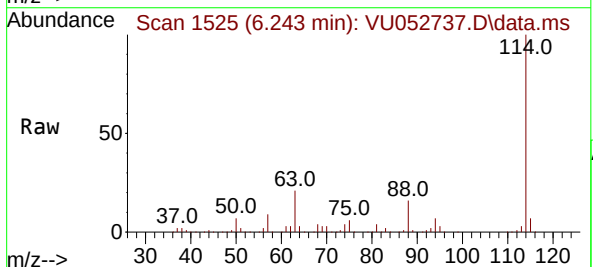
Tgt Ion:114 Resp: 338092

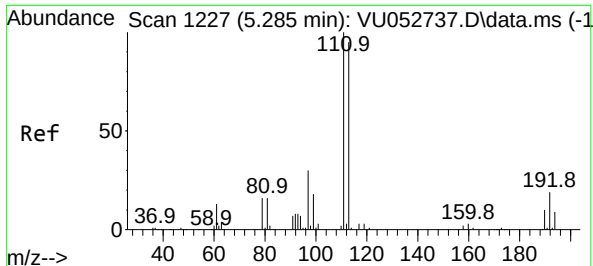
Ion Ratio Lower Upper

114 100

63 21.2 0.0 42.4

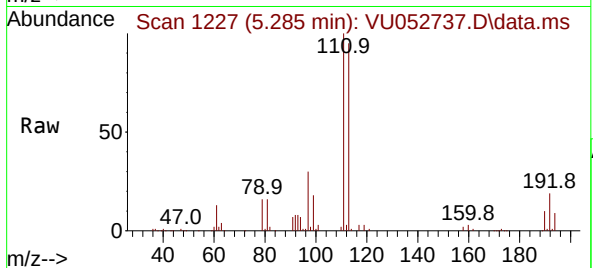
88 16.4 0.0 32.8





#35
Dibromofluoromethane
Concen: 50.287 ug/l
RT: 5.285 min Scan# 1227
Delta R.T. 0.000 min
Lab File: VU052737.D
Acq: 19 Jan 2023 14:08

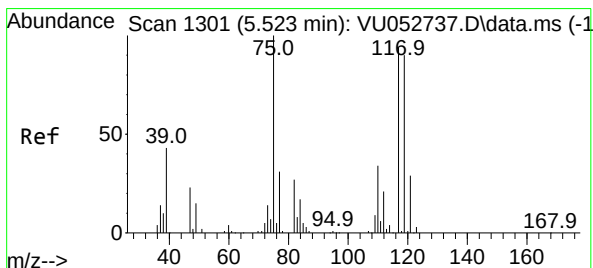
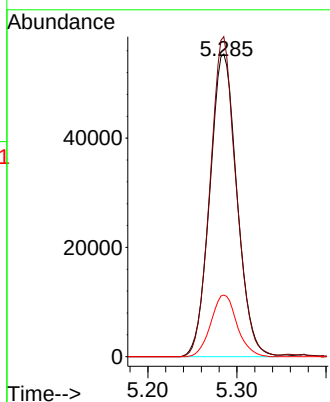
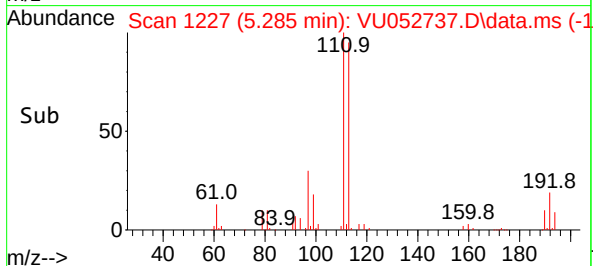
Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050



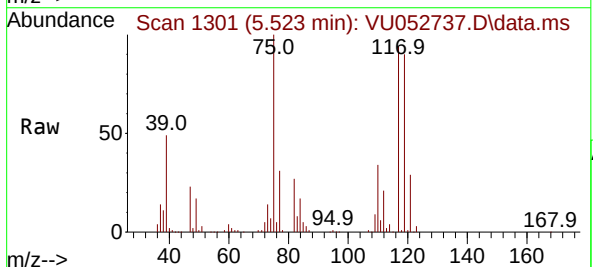
Tgt Ion:113 Resp: 117508
Ion Ratio Lower Upper
113 100
111 101.5 81.2 121.8
192 19.6 15.7 23.5

Manual Integrations
APPROVED

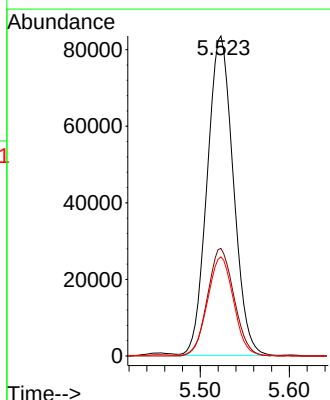
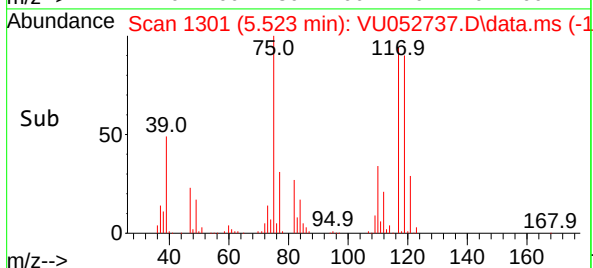
Reviewed By :John Carlone 01/20/2023
Supervised By :Mahesh Dadoda 01/20/2023

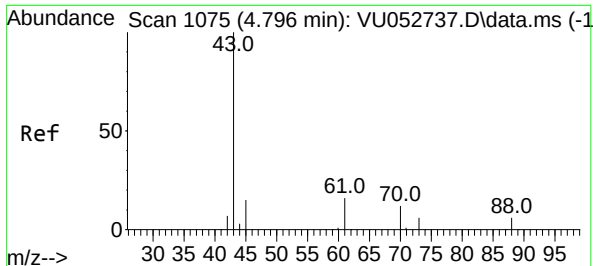


#36
1,1-Dichloropropene
Concen: 47.130 ug/l
RT: 5.523 min Scan# 1301
Delta R.T. 0.000 min
Lab File: VU052737.D
Acq: 19 Jan 2023 14:08



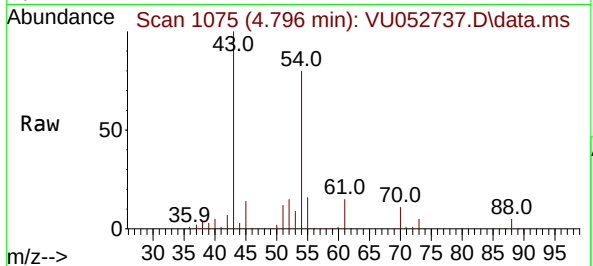
Tgt Ion: 75 Resp: 169760
Ion Ratio Lower Upper
75 100
110 34.1 17.1 51.2
77 31.2 25.0 37.4





#37
Ethyl Acetate
Concen: 39.358 ug/l
RT: 4.796 min Scan# 1075
Delta R.T. 0.000 min
Lab File: VU052737.D
Acq: 19 Jan 2023 14:08

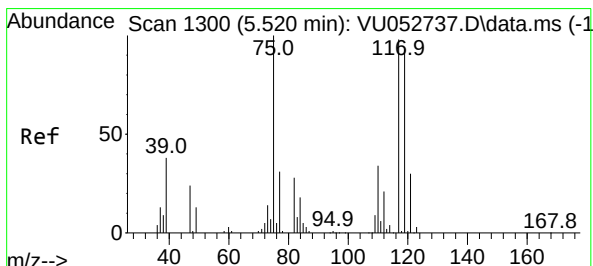
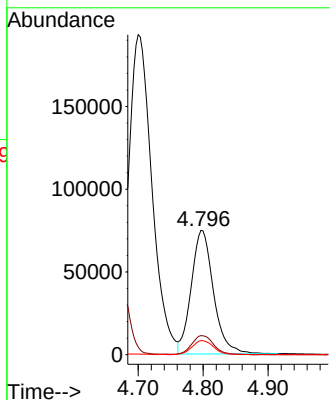
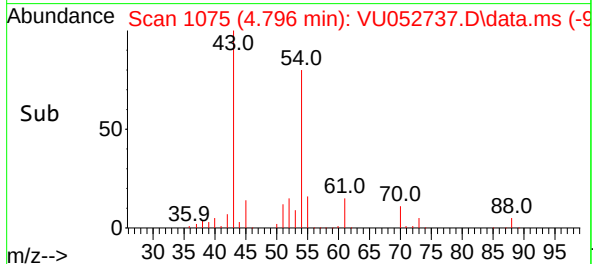
Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050



Tgt Ion: 43 Resp: 178436
Ion Ratio Lower Upper
43 100
61 15.3 12.2 18.4
70 11.1 8.9 13.3

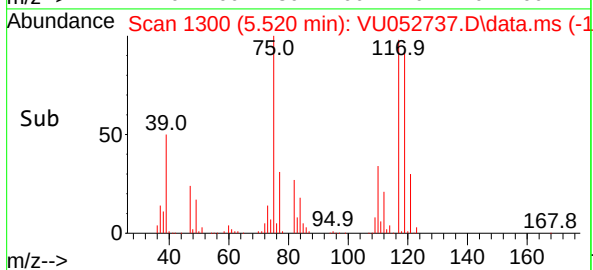
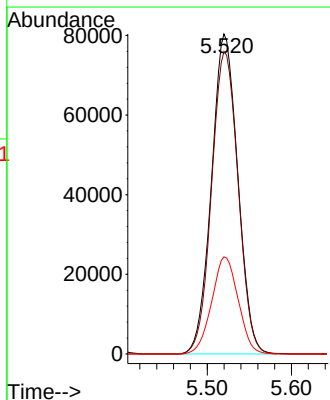
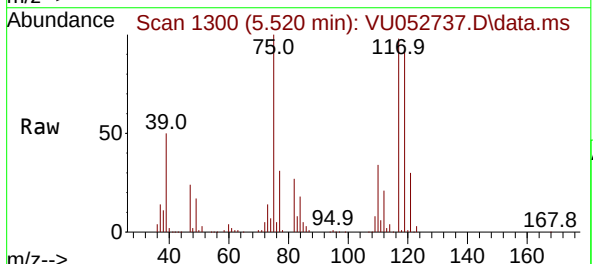
Manual Integrations
APPROVED

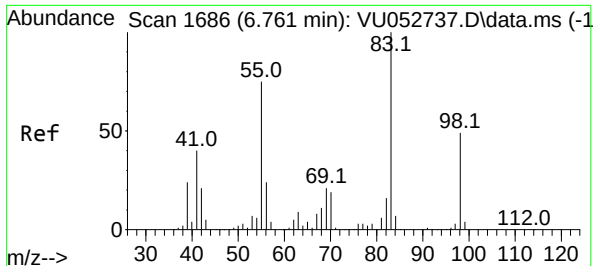
Reviewed By :John Carlone 01/20/2023
Supervised By :Mahesh Dadoda 01/20/2023



#38
Carbon Tetrachloride
Concen: 51.180 ug/l
RT: 5.520 min Scan# 1300
Delta R.T. 0.000 min
Lab File: VU052737.D
Acq: 19 Jan 2023 14:08

Tgt Ion:117 Resp: 174068
Ion Ratio Lower Upper
117 100
119 94.5 75.6 113.4
121 30.3 24.2 36.4





#39

Methylcyclohexane

Concen: 49.522 ug/l

RT: 6.761 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU052737.D

Acq: 19 Jan 2023 14:08

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC050

Tgt Ion: 83 Resp: 205300

Ion Ratio Lower Upper

83 100

55 75.5 60.4 90.6

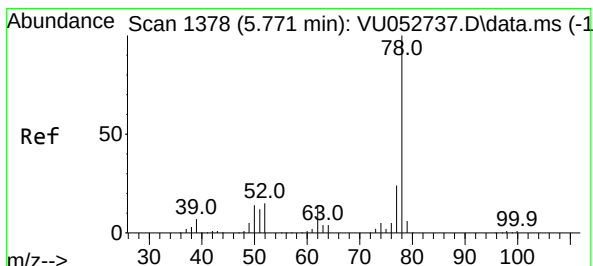
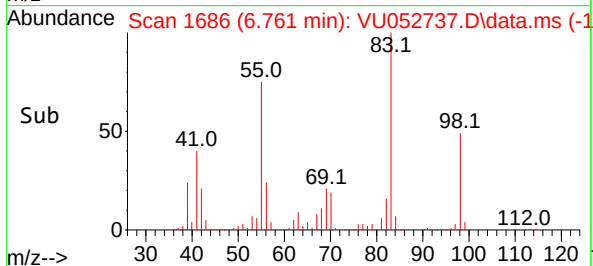
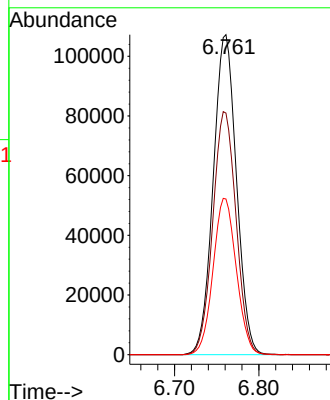
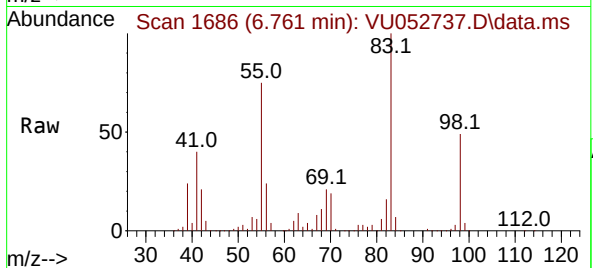
98 48.6 38.9 58.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/20/2023

Supervised By :Mahesh Dadoda 01/20/2023



#40

Benzene

Concen: 47.173 ug/l

RT: 5.771 min Scan# 1378

Delta R.T. 0.000 min

Lab File: VU052737.D

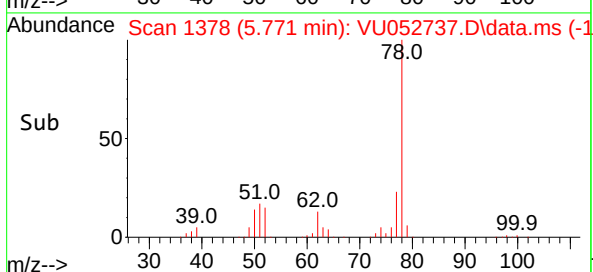
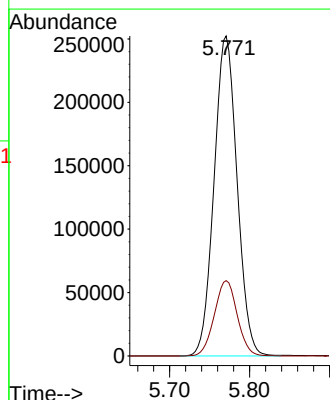
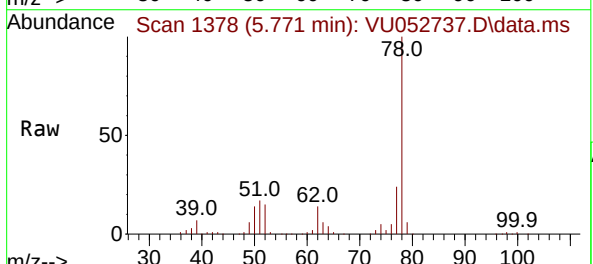
Acq: 19 Jan 2023 14:08

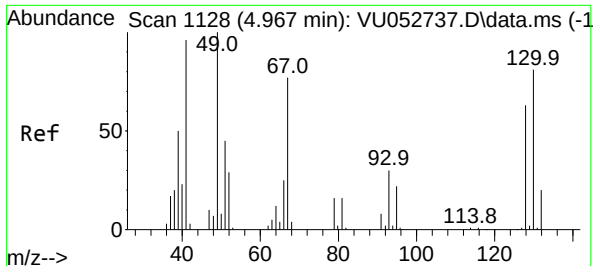
Tgt Ion: 78 Resp: 504001

Ion Ratio Lower Upper

78 100

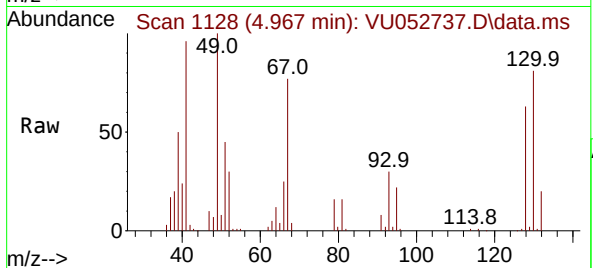
77 23.6 18.9 28.3





#41
Methacrylonitrile
Concen: 44.128 ug/l
RT: 4.967 min Scan# 1128
Delta R.T. 0.000 min
Lab File: VU052737.D
Acq: 19 Jan 2023 14:08

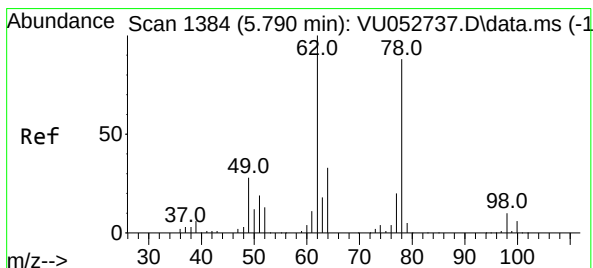
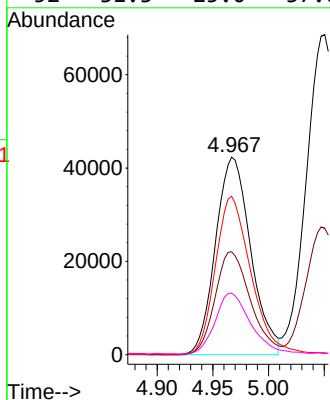
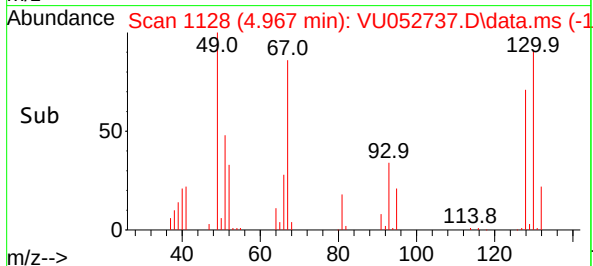
Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050



Tgt Ion: 41 Resp: 93180
Ion Ratio Lower Upper
41 100
39 52.7 42.2 63.2
67 81.3 65.0 97.6
52 31.3 25.0 37.6

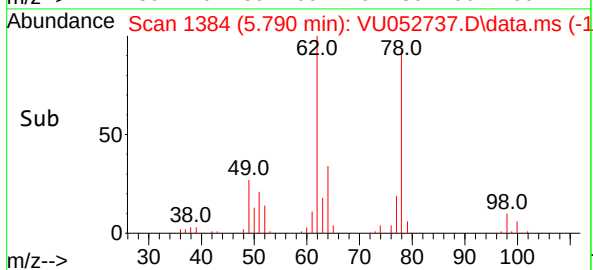
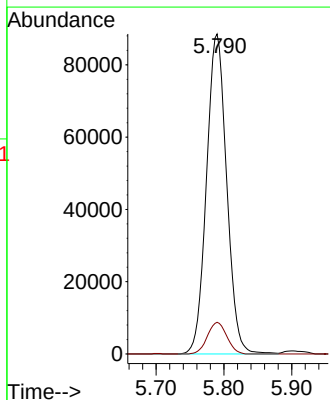
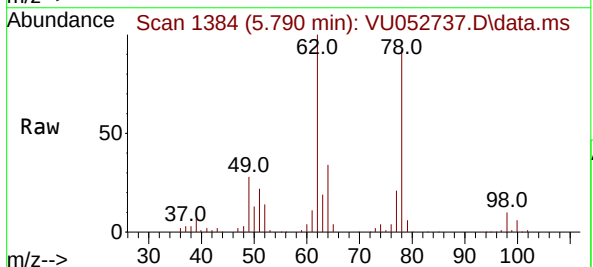
Manual Integrations
APPROVED

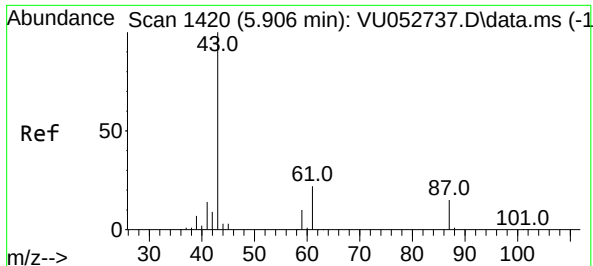
Reviewed By :John Carlone 01/20/2023
Supervised By :Mahesh Dadoda 01/20/2023



#42
1,2-Dichloroethane
Concen: 47.490 ug/l
RT: 5.790 min Scan# 1384
Delta R.T. 0.000 min
Lab File: VU052737.D
Acq: 19 Jan 2023 14:08

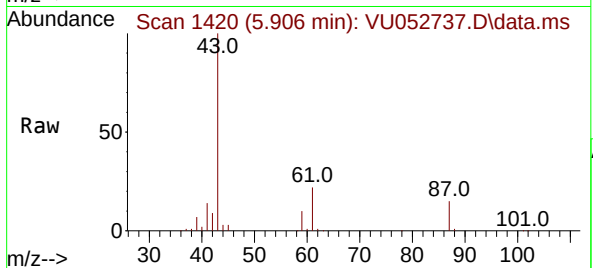
Tgt Ion: 62 Resp: 182941
Ion Ratio Lower Upper
62 100
98 9.5 0.0 19.0





#43
Isopropyl Acetate
Concen: 44.739 ug/l
RT: 5.906 min Scan# 1420
Delta R.T. 0.000 min
Lab File: VU052737.D
Acq: 19 Jan 2023 14:08

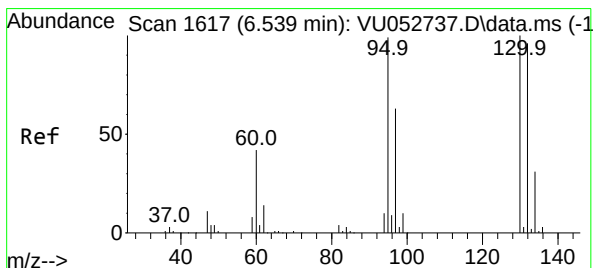
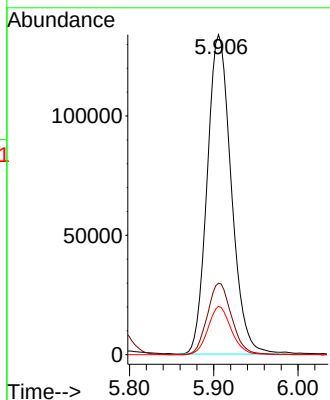
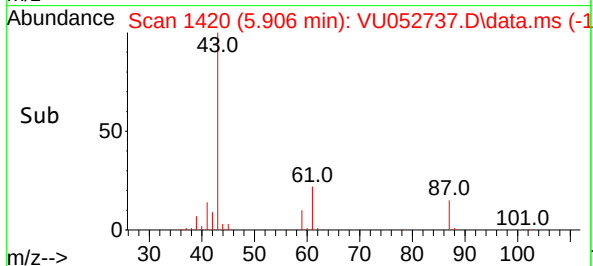
Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050



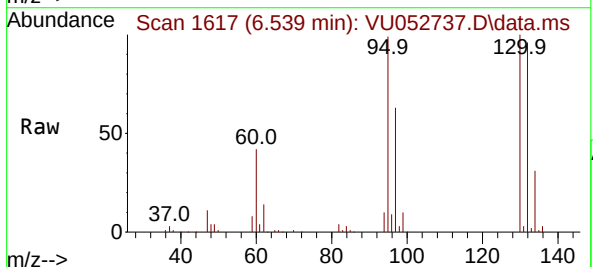
Tgt Ion: 43 Resp: 26546
Ion Ratio Lower Upper
43 100
61 22.6 18.1 27.1
87 14.6 11.7 17.5

Manual Integrations
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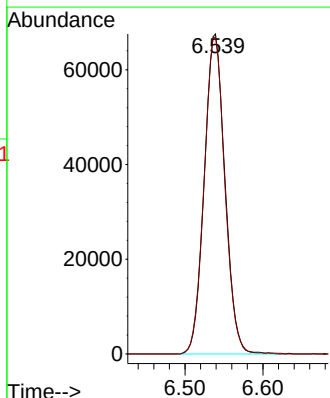
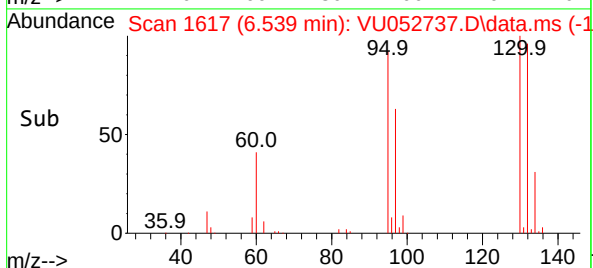
Reviewed By :John Carlone 01/20/2023
Supervised By :Mahesh Dadoda 01/20/2023

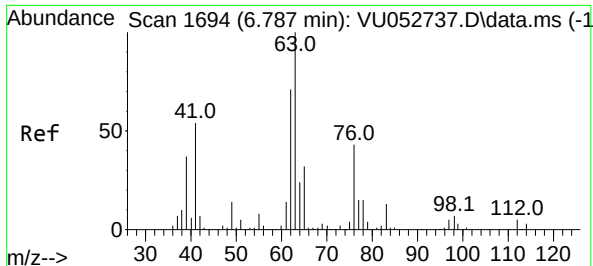


#44
Trichloroethene
Concen: 48.851 ug/l
RT: 6.539 min Scan# 1617
Delta R.T. 0.000 min
Lab File: VU052737.D
Acq: 19 Jan 2023 14:08



Tgt Ion:130 Resp: 124391
Ion Ratio Lower Upper
130 100
95 99.1 0.0 198.2





#45

1,2-Dichloropropane

Concen: 43.938 ug/l

RT: 6.787 min Scan# 1694

Delta R.T. 0.000 min

Lab File: VU052737.D

Acq: 19 Jan 2023 14:08

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC050

Tgt Ion: 63 Resp: 12858

Ion Ratio Lower Upper

63 100

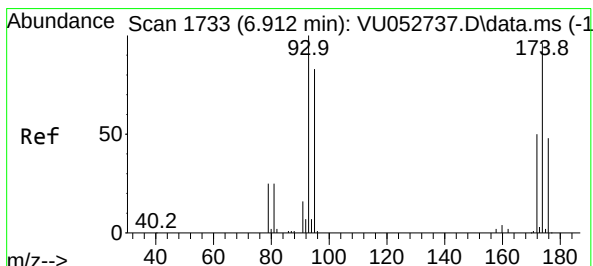
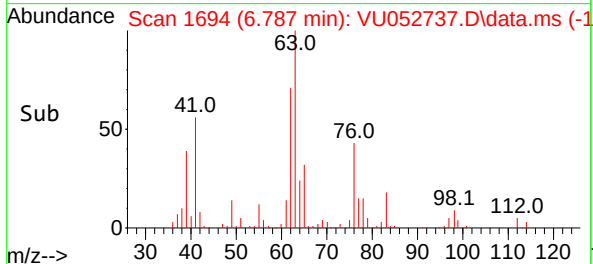
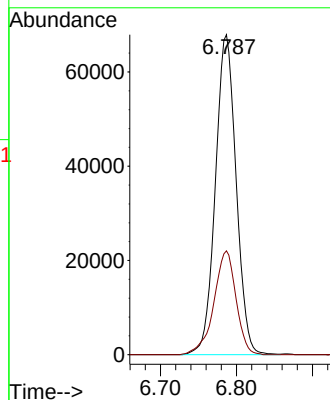
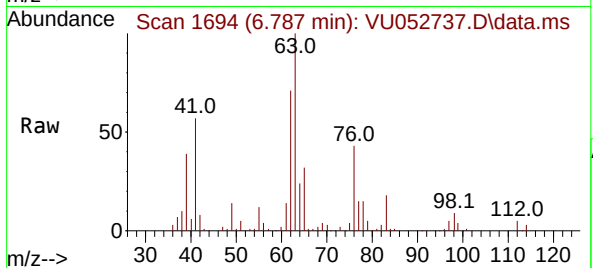
65 32.5 26.0 39.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/20/2023

Supervised By :Mahesh Dadoda 01/20/2023



#46

Dibromomethane

Concen: 47.532 ug/l

RT: 6.912 min Scan# 1733

Delta R.T. 0.000 min

Lab File: VU052737.D

Acq: 19 Jan 2023 14:08

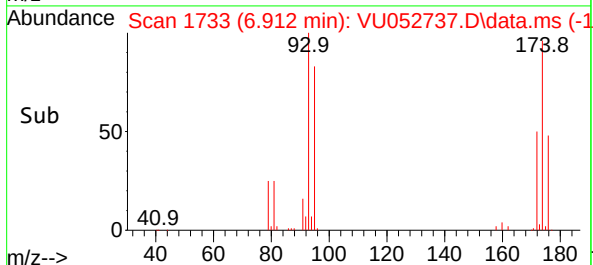
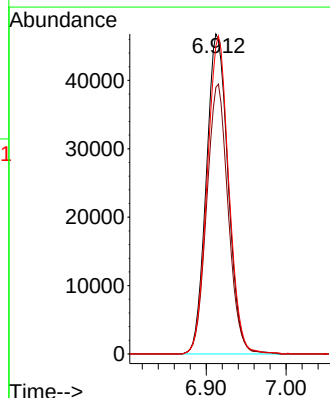
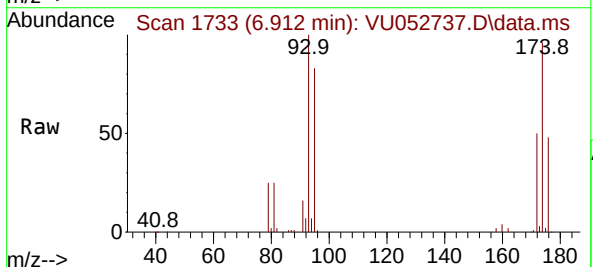
Tgt Ion: 93 Resp: 88749

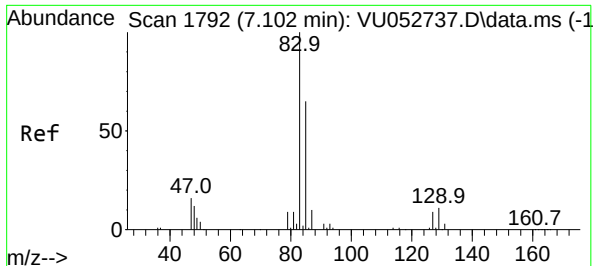
Ion Ratio Lower Upper

93 100

95 83.2 66.6 99.8

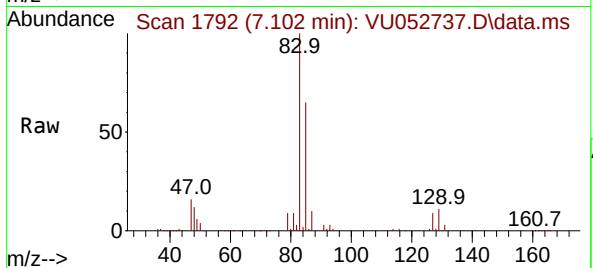
174 98.2 78.6 117.8





#47
Bromodichloromethane
Concen: 46.546 ug/l
RT: 7.102 min Scan# 1792
Delta R.T. 0.000 min
Lab File: VU052737.D
Acq: 19 Jan 2023 14:08

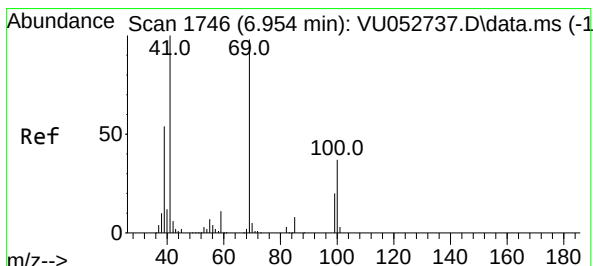
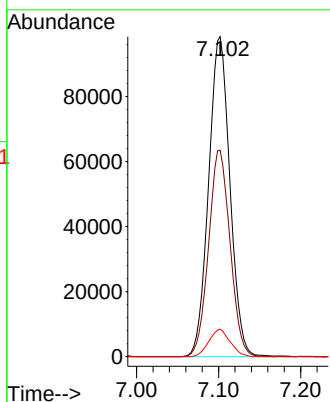
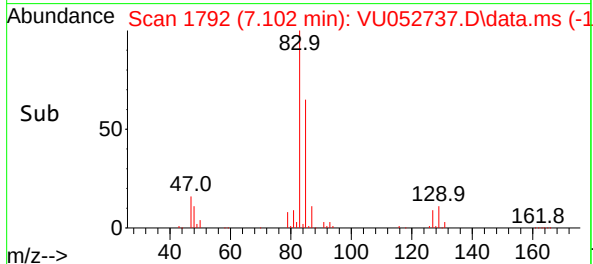
Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050



Tgt Ion: 83 Resp: 177570
Ion Ratio Lower Upper
83 100
85 64.5 51.6 77.4
127 8.6 6.9 10.3

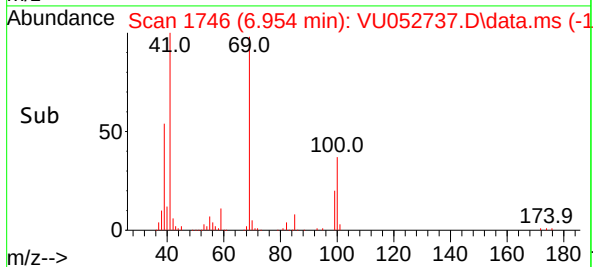
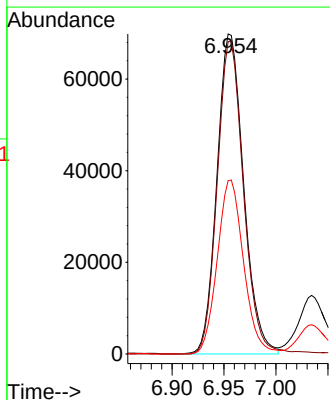
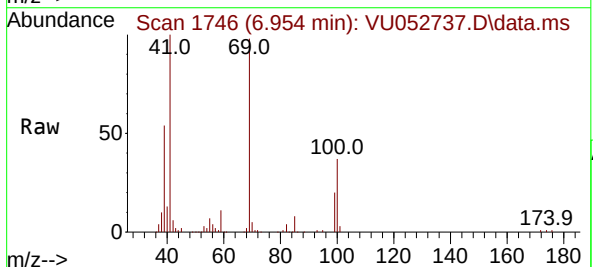
Manual Integrations
APPROVED

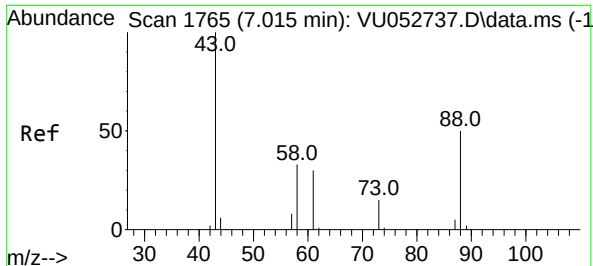
Reviewed By :John Carlone 01/20/2023
Supervised By :Mahesh Dadoda 01/20/2023



#48
Methyl methacrylate
Concen: 45.208 ug/l
RT: 6.954 min Scan# 1746
Delta R.T. 0.000 min
Lab File: VU052737.D
Acq: 19 Jan 2023 14:08

Tgt Ion: 41 Resp: 124850
Ion Ratio Lower Upper
41 100
69 96.5 77.2 115.8
39 53.6 42.9 64.3





#49

1,4-Dioxane

Concen: 969.342 ug/l

RT: 7.015 min Scan# 1765

Delta R.T. 0.000 min

Lab File: VU052737.D

Acq: 19 Jan 2023 14:08

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC050

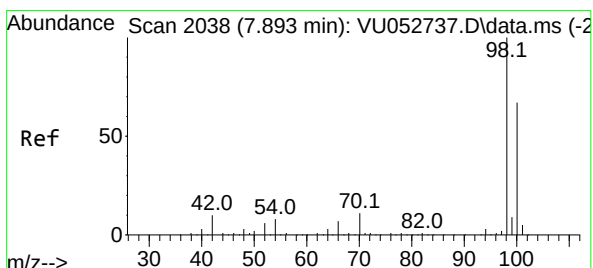
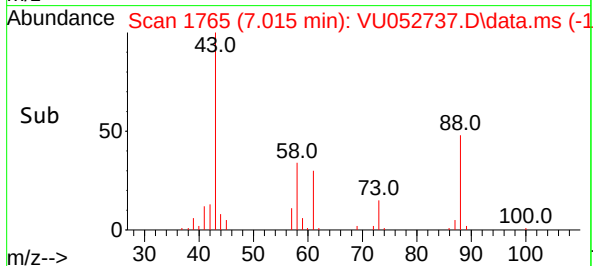
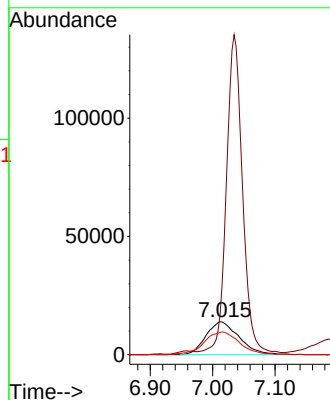
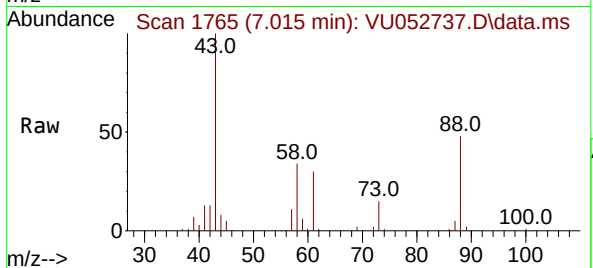
Tgt Ion: 88 Resp: 51000
 Ion Ratio Lower Upper
 88 100
 43 468.4 374.7 562.1
 58 74.0 59.2 88.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/20/2023

Supervised By :Mahesh Dadoda 01/20/2023



#50

Toluene-d8

Concen: 49.644 ug/l

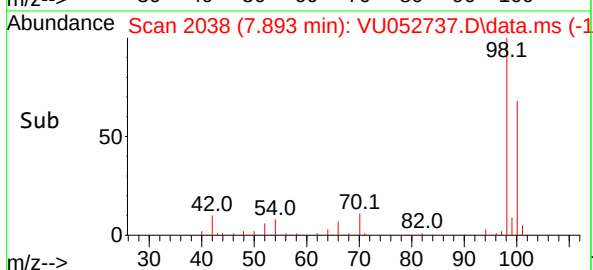
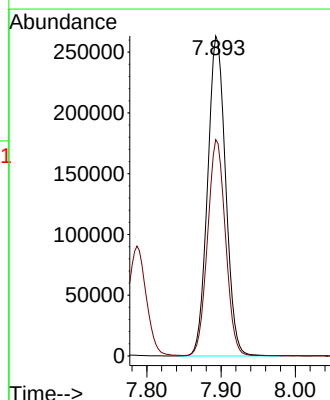
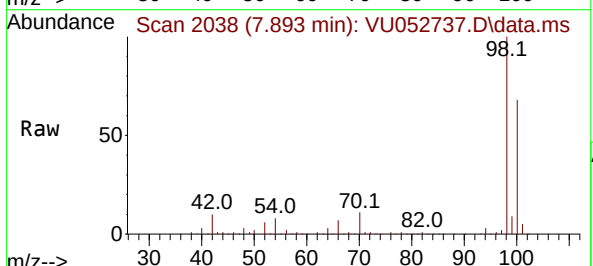
RT: 7.893 min Scan# 2038

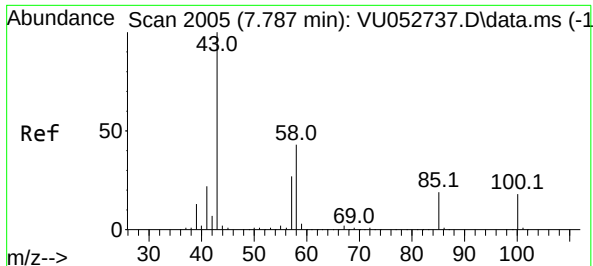
Delta R.T. 0.000 min

Lab File: VU052737.D

Acq: 19 Jan 2023 14:08

Tgt Ion: 98 Resp: 442935
 Ion Ratio Lower Upper
 98 100
 100 67.1 53.7 80.5





#51

4-Methyl-2-Pentanone

Concen: 225.443 ug/l

RT: 7.787 min Scan# 2005

Delta R.T. 0.000 min

Lab File: VU052737.D

Acq: 19 Jan 2023 14:08

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC050

Tgt Ion: 43 Resp: 87184

Ion Ratio Lower Upper

43 100

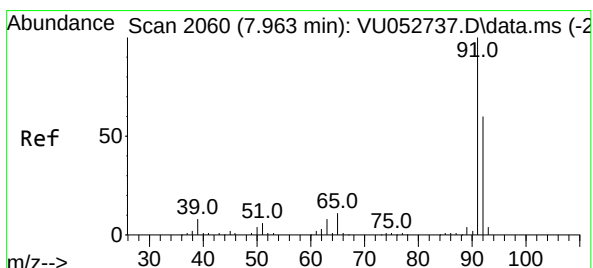
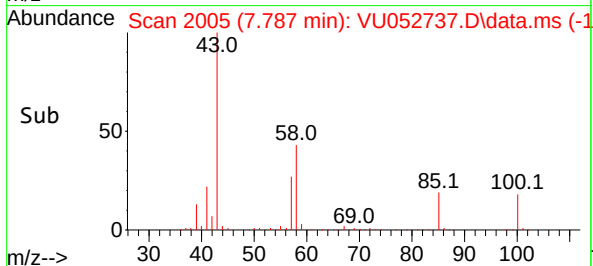
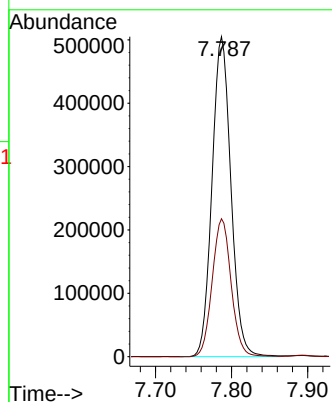
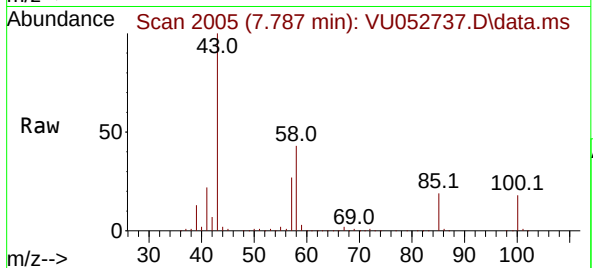
58 43.3 34.6 52.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/20/2023

Supervised By :Mahesh Dadoda 01/20/2023



#52

Toluene

Concen: 50.166 ug/l

RT: 7.963 min Scan# 2060

Delta R.T. 0.000 min

Lab File: VU052737.D

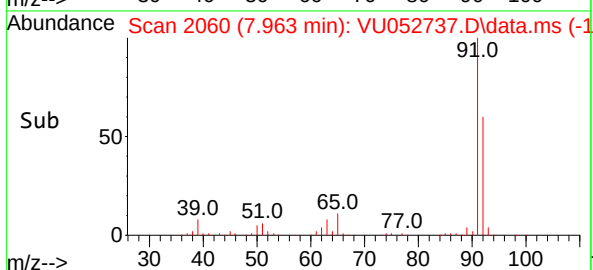
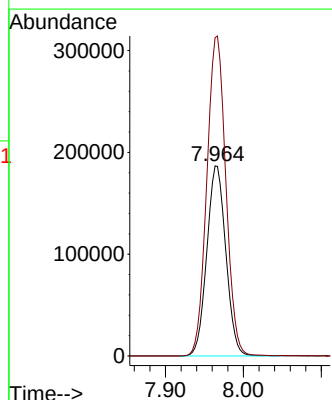
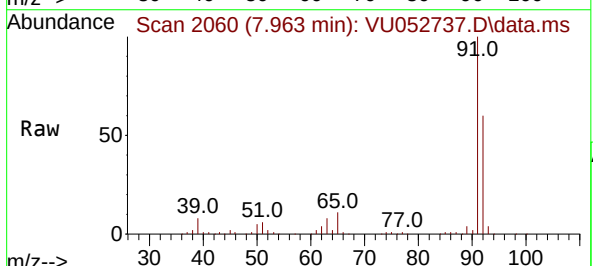
Acq: 19 Jan 2023 14:08

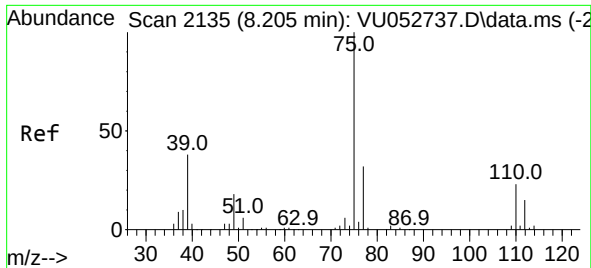
Tgt Ion: 92 Resp: 316378

Ion Ratio Lower Upper

92 100

91 168.6 134.9 202.3





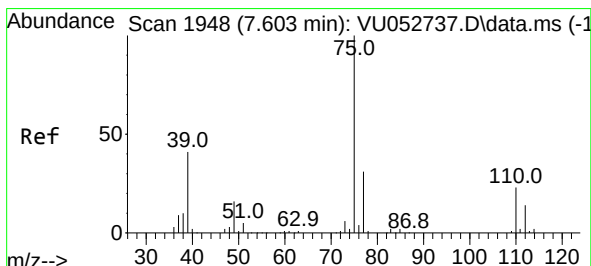
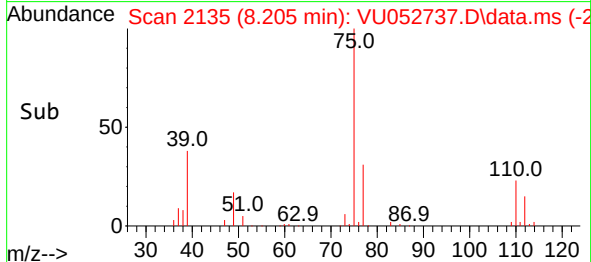
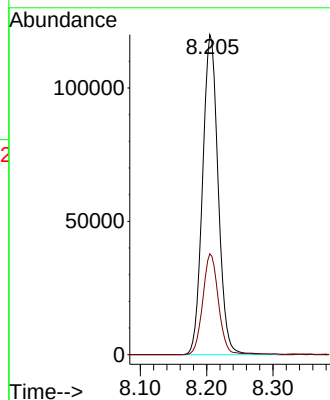
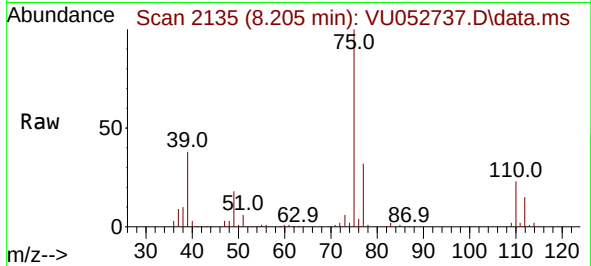
#53
 t-1,3-Dichloropropene
 Concen: 48.721 ug/l
 RT: 8.205 min Scan# 2135
 Delta R.T. 0.000 min
 Lab File: VU052737.D
 Acq: 19 Jan 2023 14:08

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC050

Tgt Ion: 75 Resp: 19587
 Ion Ratio Lower Upper
 75 100
 77 31.5 25.2 37.8

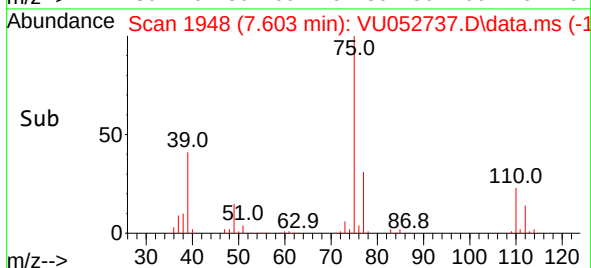
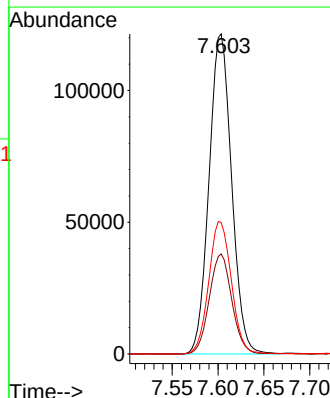
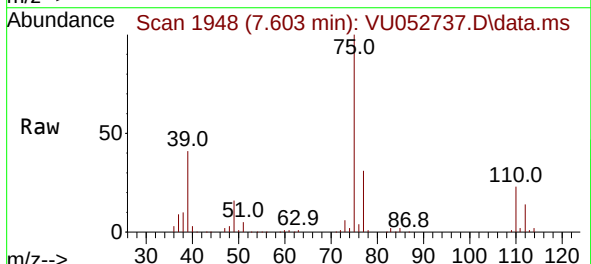
Manual Integrations
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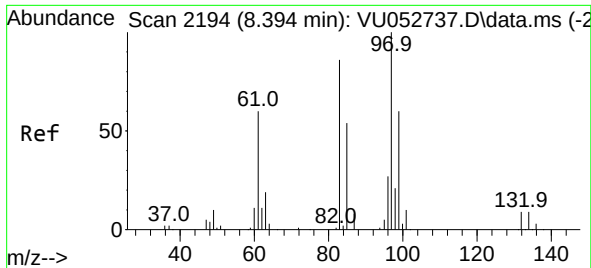
Reviewed By :John Carlone 01/20/2023
 Supervised By :Mahesh Dadoda 01/20/2023



#54
 cis-1,3-Dichloropropene
 Concen: 47.689 ug/l
 RT: 7.603 min Scan# 1948
 Delta R.T. 0.000 min
 Lab File: VU052737.D
 Acq: 19 Jan 2023 14:08

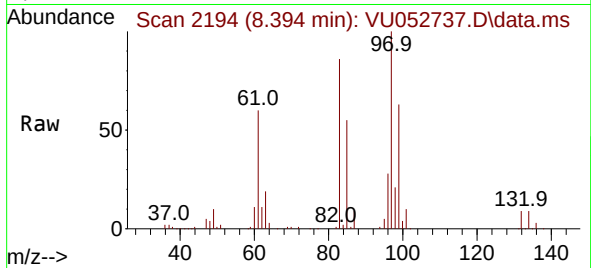
Tgt Ion: 75 Resp: 207615
 Ion Ratio Lower Upper
 75 100
 77 31.3 25.0 37.6
 39 41.1 32.9 49.3





#55
1,1,2-Trichloroethane
Concen: 48.478 ug/l
RT: 8.394 min Scan# 2194
Delta R.T. 0.000 min
Lab File: VU052737.D
Acq: 19 Jan 2023 14:08

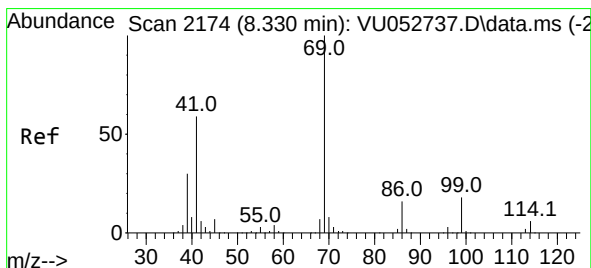
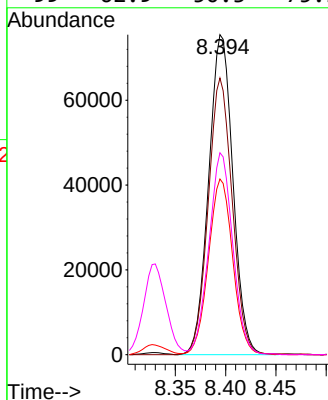
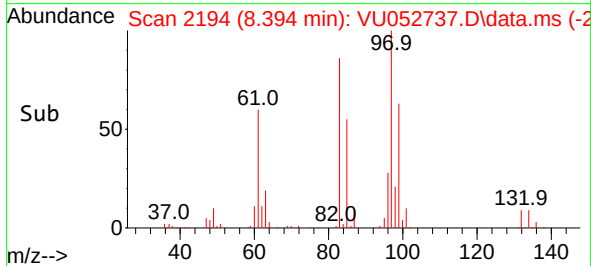
Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050



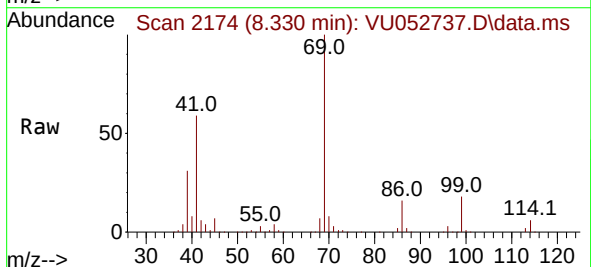
Tgt Ion: 97 Resp: 12669
Ion Ratio Lower Upper
97 100
83 86.5 69.2 103.8
85 54.8 43.8 65.8
99 62.9 50.3 75.5

Manual Integrations
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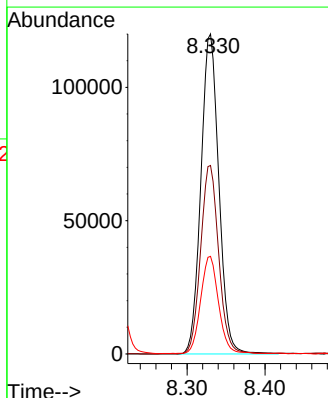
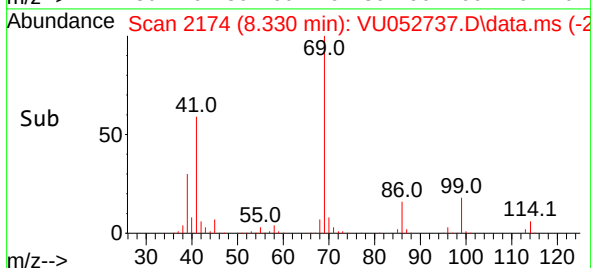
Reviewed By :John Carlone 01/20/2023
Supervised By :Mahesh Dadoda 01/20/2023

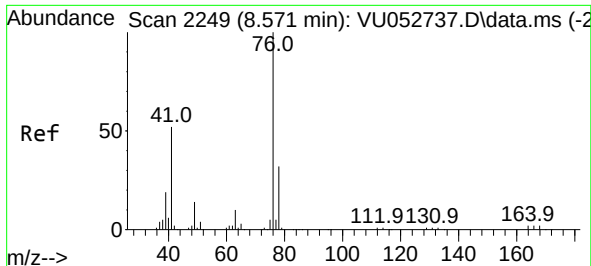


#56
Ethyl methacrylate
Concen: 50.352 ug/l
RT: 8.330 min Scan# 2174
Delta R.T. 0.000 min
Lab File: VU052737.D
Acq: 19 Jan 2023 14:08



Tgt Ion: 69 Resp: 191945
Ion Ratio Lower Upper
69 100
41 59.5 47.6 71.4
39 30.4 24.3 36.5





#57

1,3-Dichloropropane

Concen: 47.576 ug/l

RT: 8.571 min Scan# 21991

Delta R.T. 0.000 min

Lab File: VU052737.D

Acq: 19 Jan 2023 14:08

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC050

Tgt Ion: 76 Resp: 21991

Ion Ratio Lower Upper

76 100

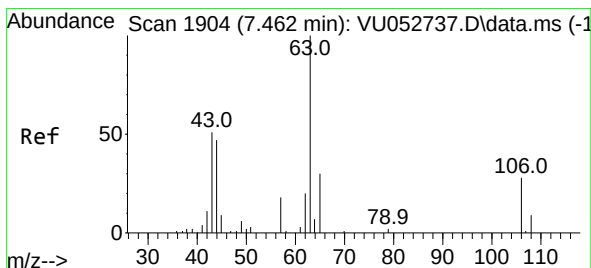
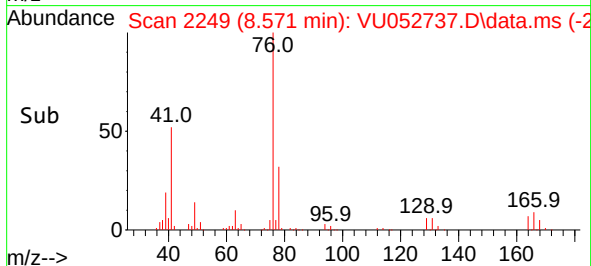
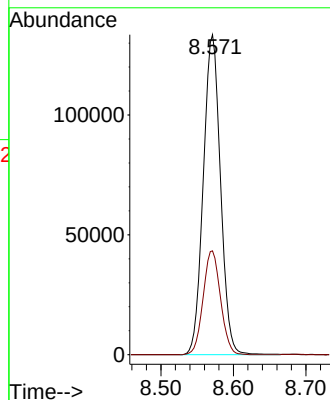
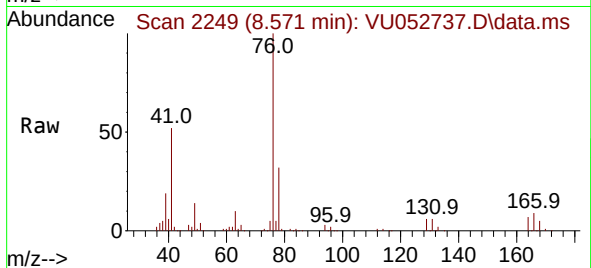
78 32.8 26.2 39.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/20/2023

Supervised By :Mahesh Dadoda 01/20/2023



#58

2-Chloroethyl Vinyl ether

Concen: 174.512 ug/l

RT: 7.462 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VU052737.D

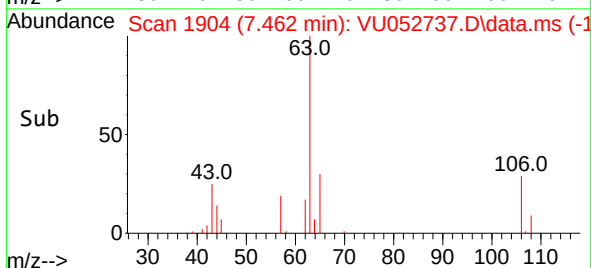
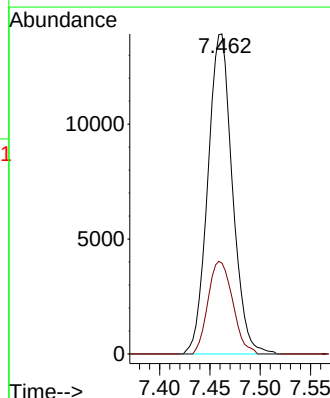
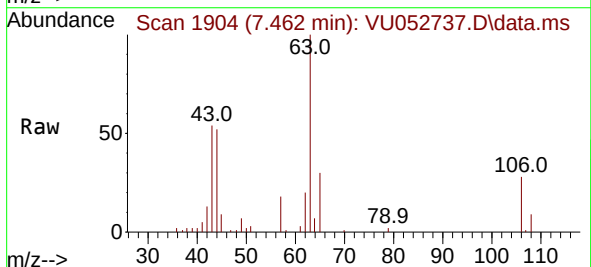
Acq: 19 Jan 2023 14:08

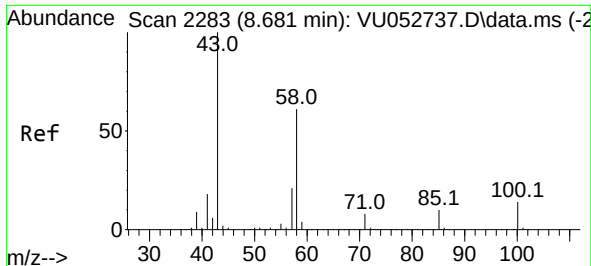
Tgt Ion: 63 Resp: 23665

Ion Ratio Lower Upper

63 100

106 29.0 23.2 34.8





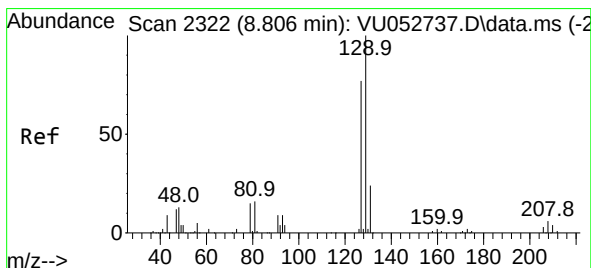
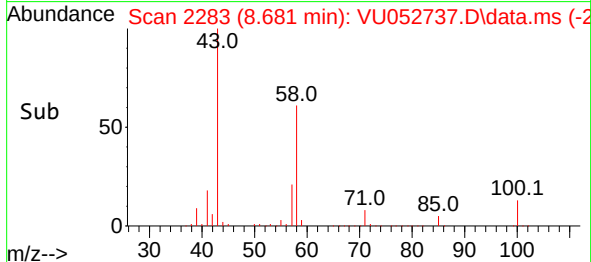
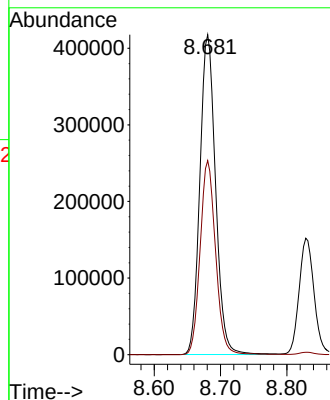
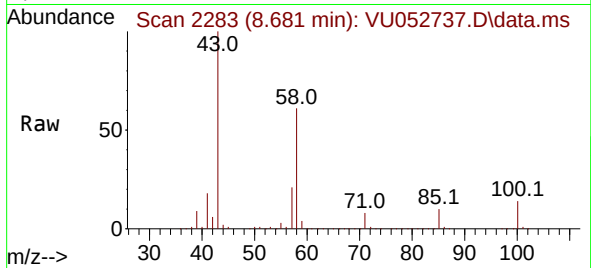
#59
2-Hexanone
Concen: 232.418 ug/l
RT: 8.681 min Scan# 2283
Delta R.T. 0.000 min
Lab File: VU052737.D
Acq: 19 Jan 2023 14:08

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 687739
Ion Ratio Lower Upper
43 100
58 59.7 29.8 89.5

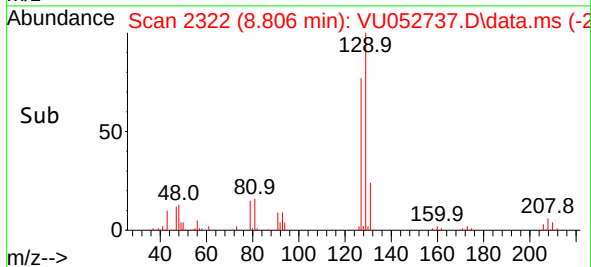
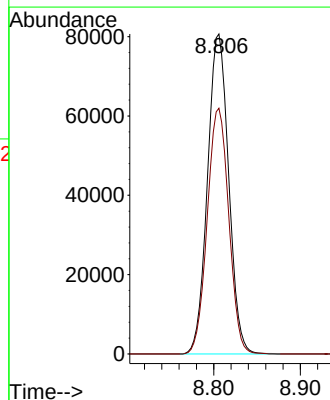
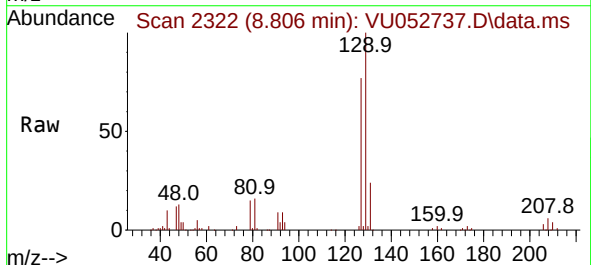
Manual Integrations
APPROVED

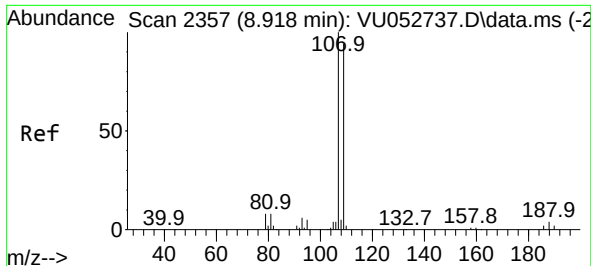
Reviewed By :John Carlone 01/20/2023
Supervised By :Mahesh Dadoda 01/20/2023



#60
Dibromochloromethane
Concen: 50.209 ug/l
RT: 8.806 min Scan# 2322
Delta R.T. 0.000 min
Lab File: VU052737.D
Acq: 19 Jan 2023 14:08

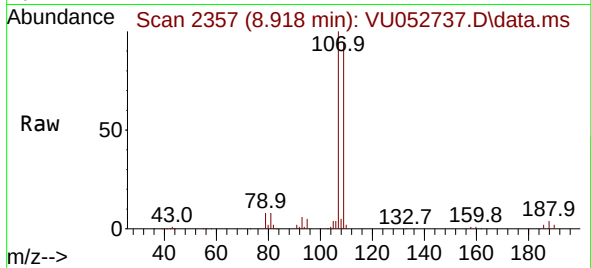
Tgt Ion:129 Resp: 137034
Ion Ratio Lower Upper
129 100
127 78.1 39.1 117.2





#61
1,2-Dibromoethane
Concen: 50.052 ug/l
RT: 8.918 min Scan# 2357
Delta R.T. 0.000 min
Lab File: VU052737.D
Acq: 19 Jan 2023 14:08

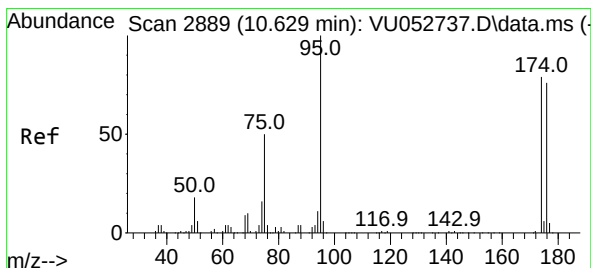
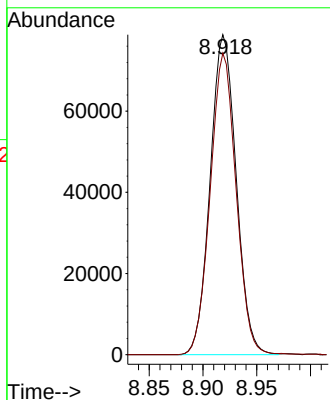
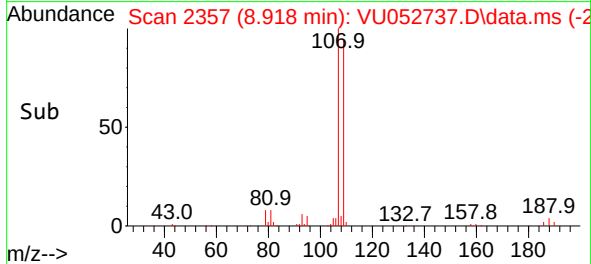
Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050



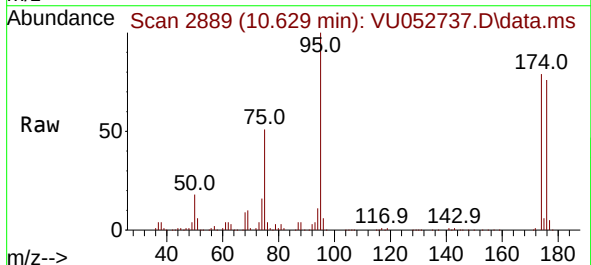
Tgt Ion:107 Resp: 13266
Ion Ratio Lower Upper
107 100
109 93.8 75.0 112.6

Manual Integrations
APPROVED

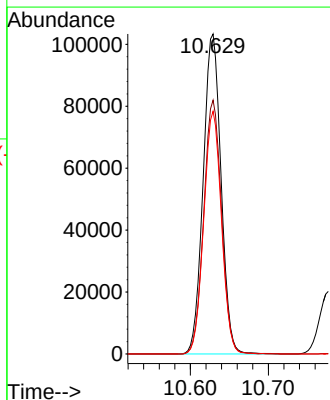
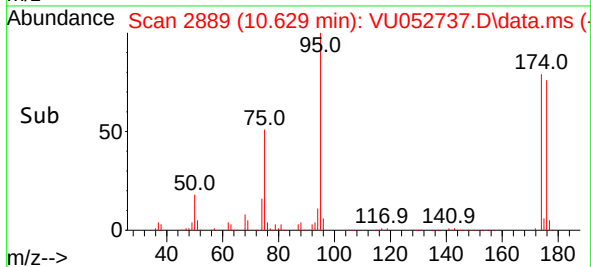
Reviewed By :John Carlone 01/20/2023
Supervised By :Mahesh Dadoda 01/20/2023

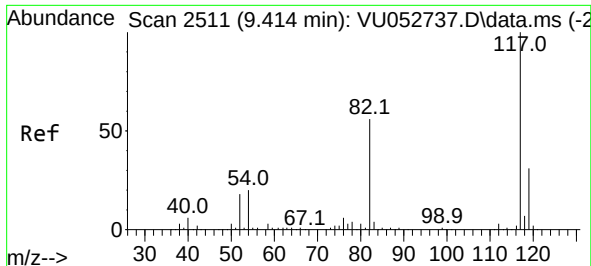


#62
4-Bromofluorobenzene
Concen: 50.825 ug/l
RT: 10.629 min Scan# 2889
Delta R.T. 0.000 min
Lab File: VU052737.D
Acq: 19 Jan 2023 14:08



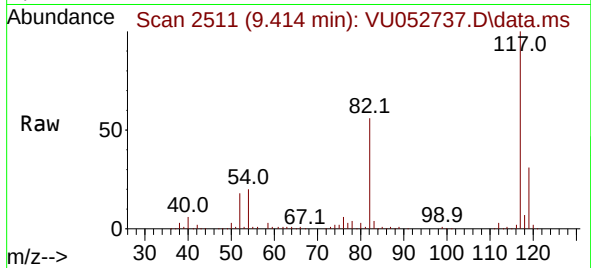
Tgt Ion: 95 Resp: 164352
Ion Ratio Lower Upper
95 100
174 79.3 0.0 158.6
176 75.3 0.0 150.6





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.414 min Scan# 2511
Delta R.T. 0.000 min
Lab File: VU052737.D
Acq: 19 Jan 2023 14:08

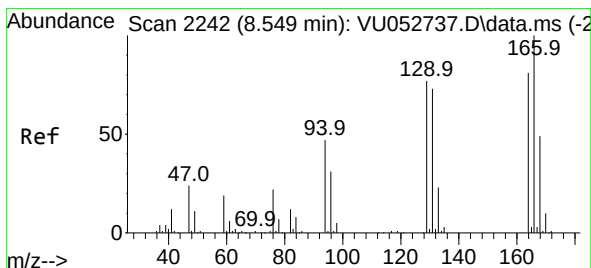
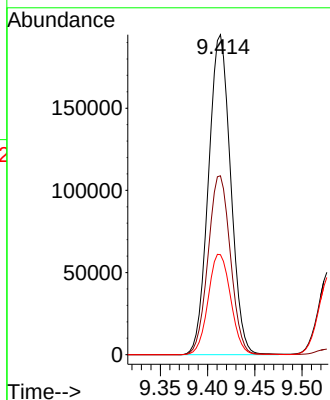
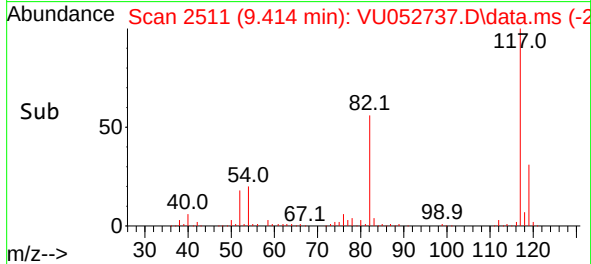
Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050



Tgt Ion:117 Resp: 31758
Ion Ratio Lower Upper
117 100
82 55.9 44.7 67.1
119 31.3 25.0 37.6

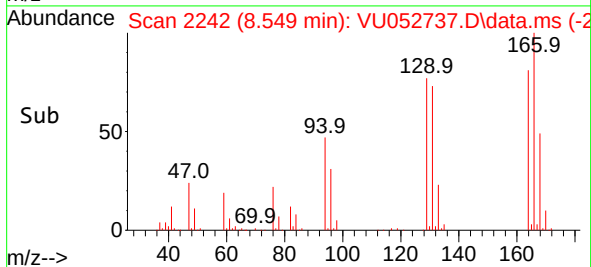
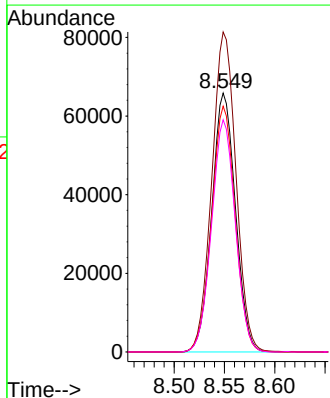
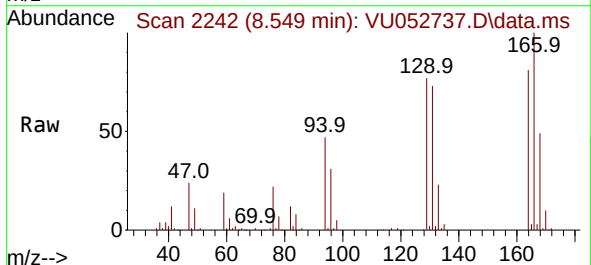
Manual Integrations
APPROVED

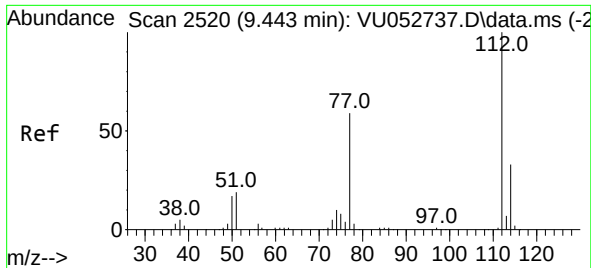
Reviewed By :John Carlone 01/20/2023
Supervised By :Mahesh Dadoda 01/20/2023



#64
Tetrachloroethene
Concen: 52.362 ug/l
RT: 8.549 min Scan# 2242
Delta R.T. 0.000 min
Lab File: VU052737.D
Acq: 19 Jan 2023 14:08

Tgt Ion:164 Resp: 108129
Ion Ratio Lower Upper
164 100
166 123.6 98.9 148.3
129 95.0 76.0 114.0
131 89.7 71.8 107.6





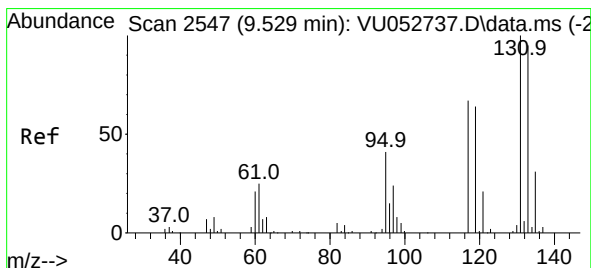
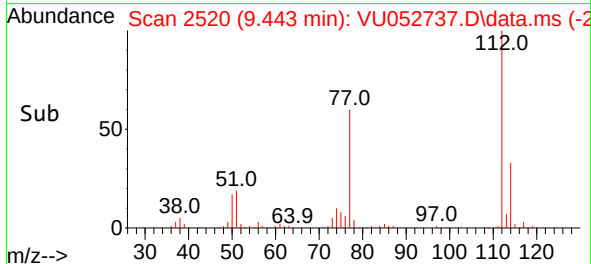
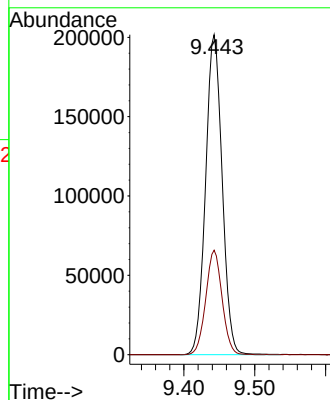
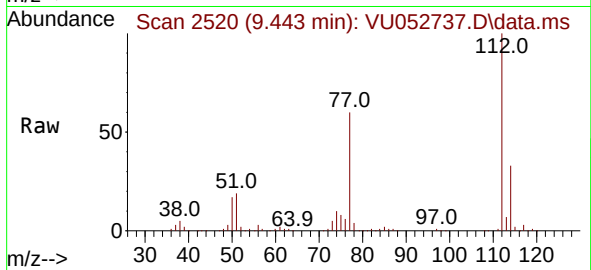
#65
Chlorobenzene
Concen: 48.678 ug/l
RT: 9.443 min Scan# 2520
Delta R.T. 0.000 min
Lab File: VU052737.D
Acq: 19 Jan 2023 14:08

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

Tgt Ion:112 Resp: 327219
Ion Ratio Lower Upper
112 100
114 32.6 26.1 39.1

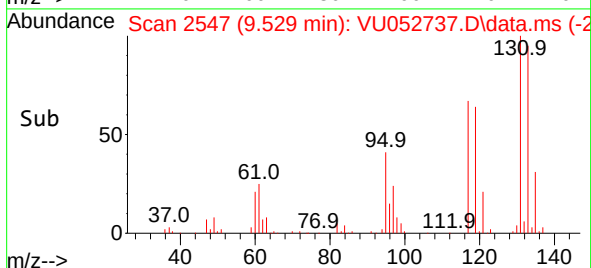
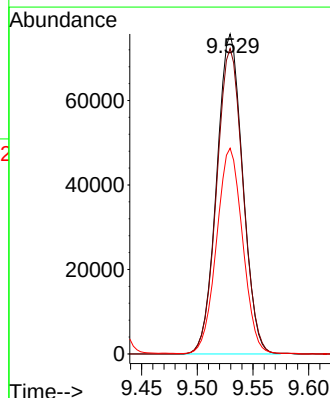
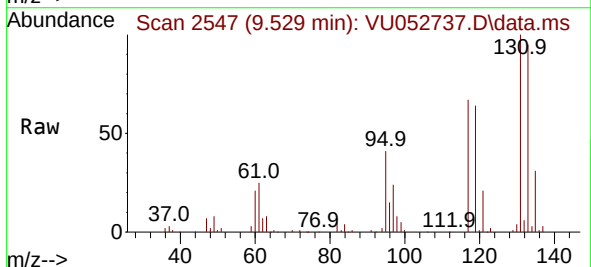
Manual Integrations
APPROVED

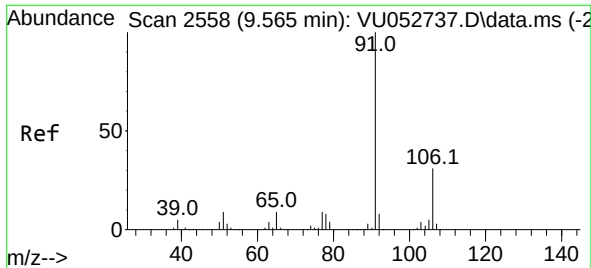
Reviewed By :John Carlone 01/20/2023
Supervised By :Mahesh Dadoda 01/20/2023



#66
1,1,1,2-Tetrachloroethane
Concen: 50.383 ug/l
RT: 9.529 min Scan# 2547
Delta R.T. 0.000 min
Lab File: VU052737.D
Acq: 19 Jan 2023 14:08

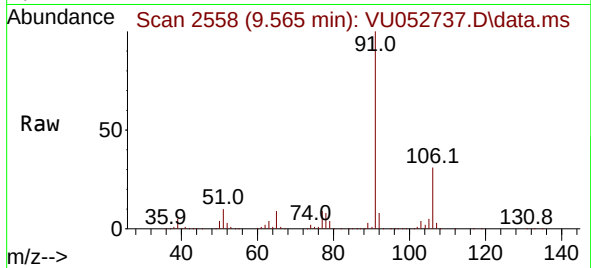
Tgt Ion:131 Resp: 123045
Ion Ratio Lower Upper
131 100
133 96.7 48.4 145.0
119 64.2 32.1 96.3





#67
Ethyl Benzene
Concen: 50.600 ug/l
RT: 9.565 min Scan# 2558
Delta R.T. 0.000 min
Lab File: VU052737.D
Acq: 19 Jan 2023 14:08

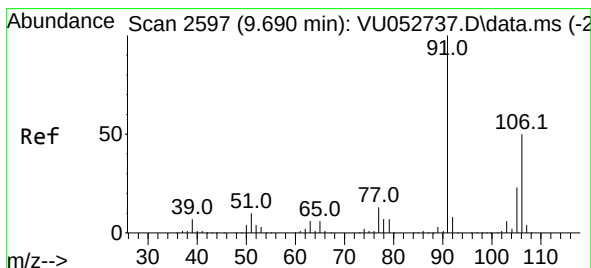
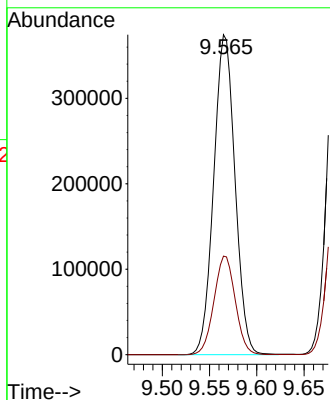
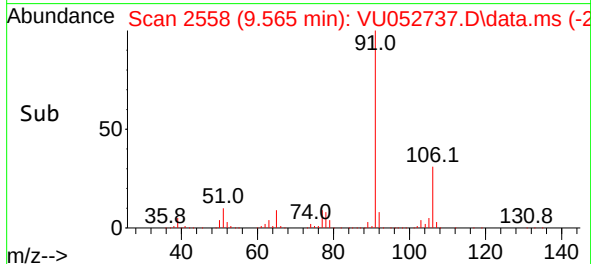
Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050



Tgt Ion: 91 Resp: 586860
Ion Ratio Lower Upper
91 100
106 30.8 24.6 37.0

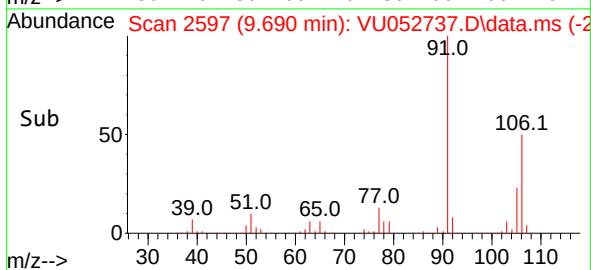
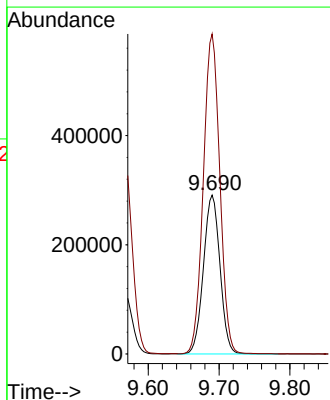
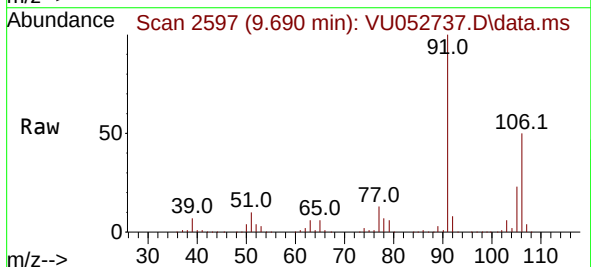
Manual Integrations
APPROVED

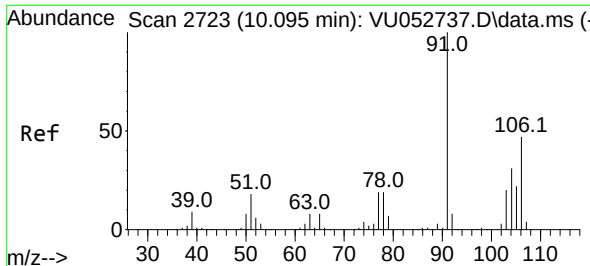
Reviewed By :John Carlone 01/20/2023
Supervised By :Mahesh Dadoda 01/20/2023



#68
m/p-Xylenes
Concen: 107.140 ug/l
RT: 9.690 min Scan# 2597
Delta R.T. 0.000 min
Lab File: VU052737.D
Acq: 19 Jan 2023 14:08

Tgt Ion:106 Resp: 470424
Ion Ratio Lower Upper
106 100
91 201.0 160.8 241.2





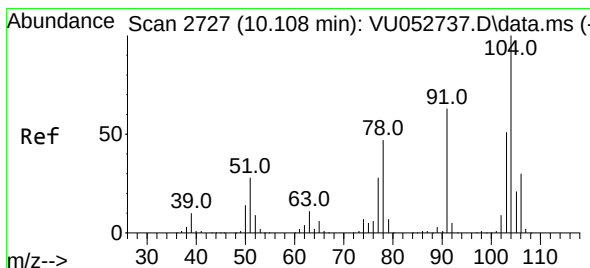
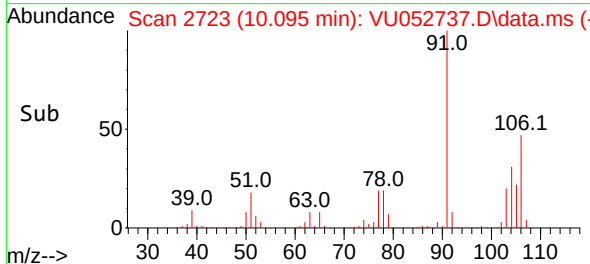
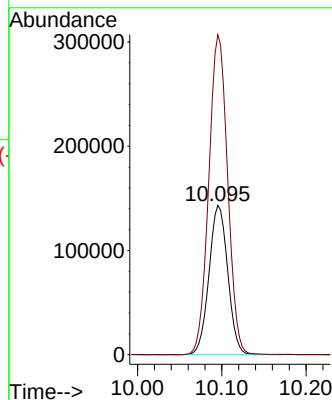
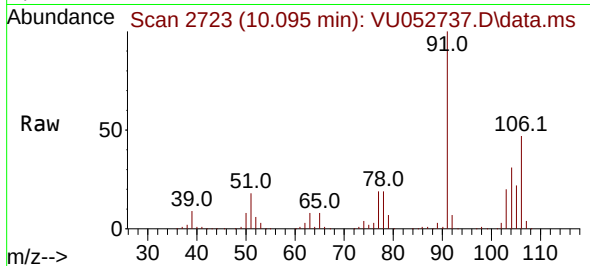
#69
o-Xylene
Concen: 53.062 ug/l
RT: 10.095 min Scan# 2723
Delta R.T. 0.000 min
Lab File: VU052737.D
Acq: 19 Jan 2023 14:08

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

Tgt Ion:106 Resp: 221779
Ion Ratio Lower Upper
106 100
91 215.8 107.9 323.7

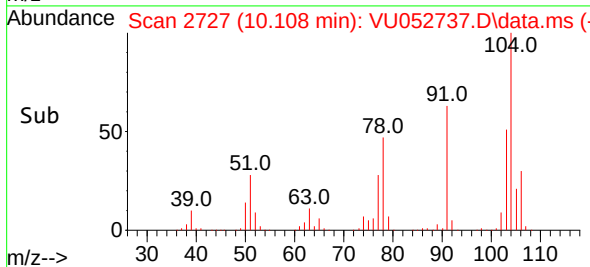
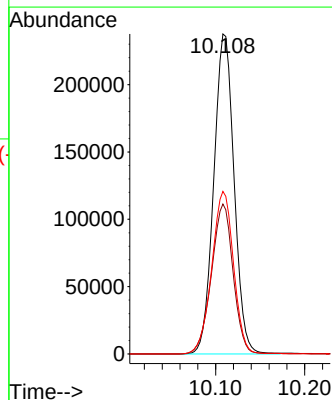
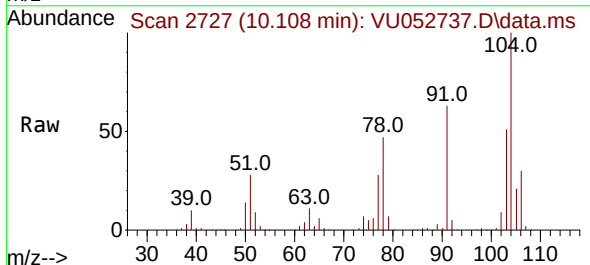
Manual Integrations
APPROVED

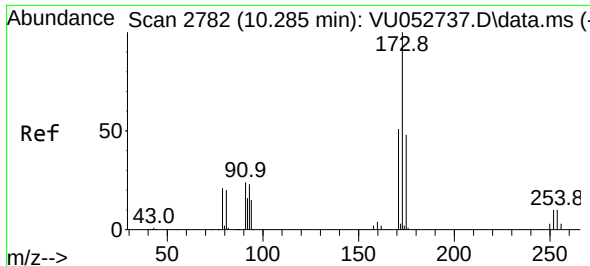
Reviewed By :John Carlone 01/20/2023
Supervised By :Mahesh Dadoda 01/20/2023



#70
Styrene
Concen: 53.909 ug/l
RT: 10.108 min Scan# 2727
Delta R.T. 0.000 min
Lab File: VU052737.D
Acq: 19 Jan 2023 14:08

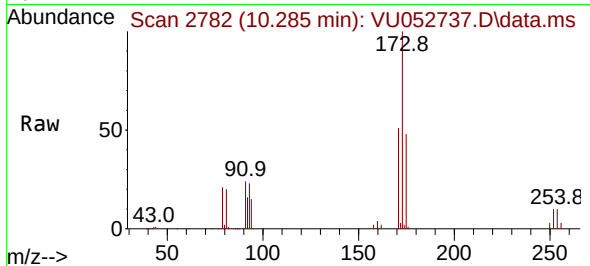
Tgt Ion:104 Resp: 377310
Ion Ratio Lower Upper
104 100
78 49.9 39.9 59.9
103 54.3 43.4 65.2





#71
Bromoform
Concen: 50.806 ug/l
RT: 10.285 min Scan# 2782
Delta R.T. 0.000 min
Lab File: VU052737.D
Acq: 19 Jan 2023 14:08

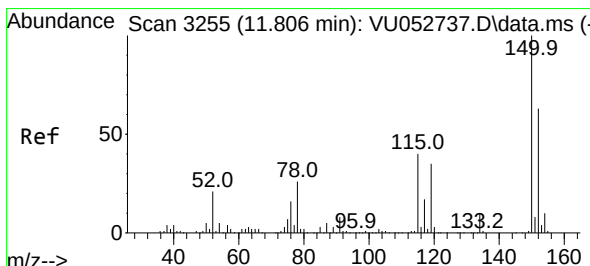
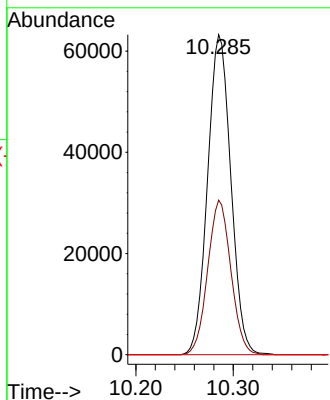
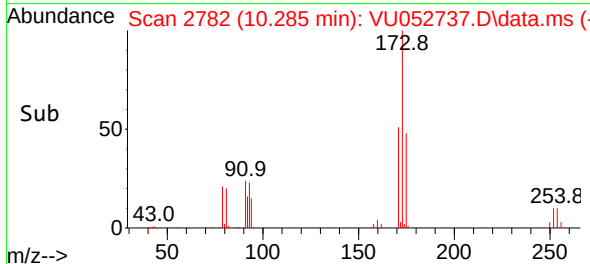
Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050



Tgt Ion:173 Resp: 104828
Ion Ratio Lower Upper
173 100
175 48.1 24.1 72.2
254 0.0 0.0 0.0

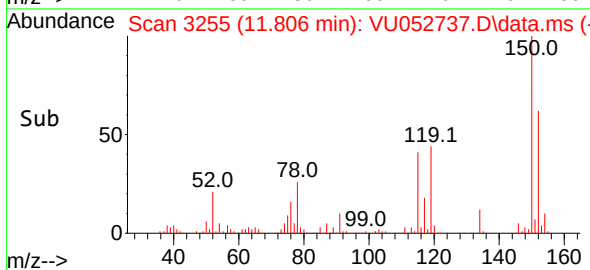
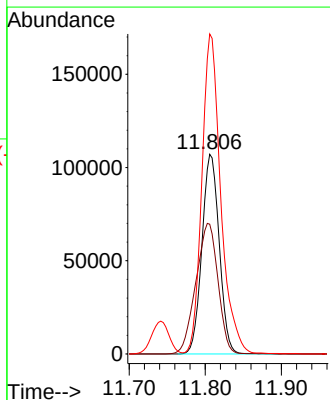
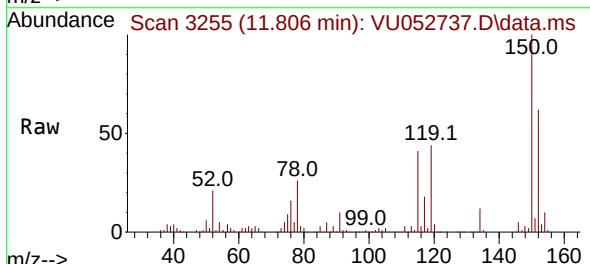
Manual Integrations
APPROVED

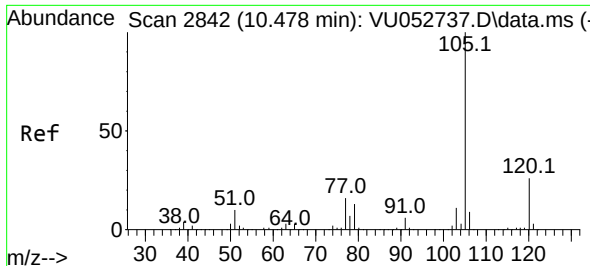
Reviewed By :John Carlone 01/20/2023
Supervised By :Mahesh Dadoda 01/20/2023



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.806 min Scan# 3255
Delta R.T. 0.000 min
Lab File: VU052737.D
Acq: 19 Jan 2023 14:08

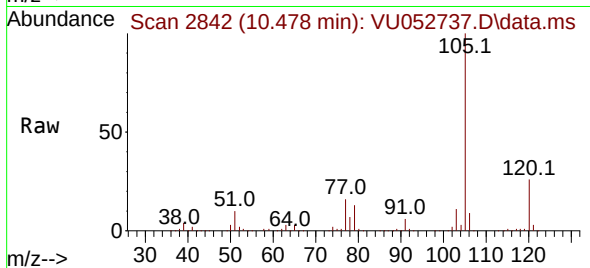
Tgt Ion:152 Resp: 169239
Ion Ratio Lower Upper
152 100
115 83.4 41.7 125.1
150 174.6 0.0 349.2





#73
Isopropylbenzene
Concen: 51.429 ug/l
RT: 10.478 min Scan# 2842
Delta R.T. 0.000 min
Lab File: VU052737.D
Acq: 19 Jan 2023 14:08

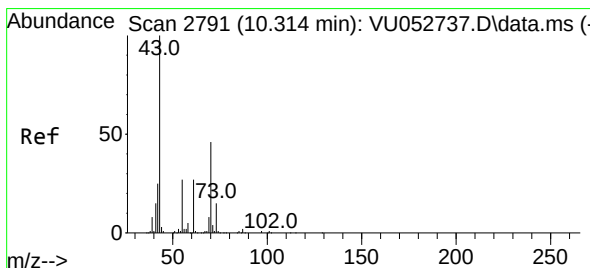
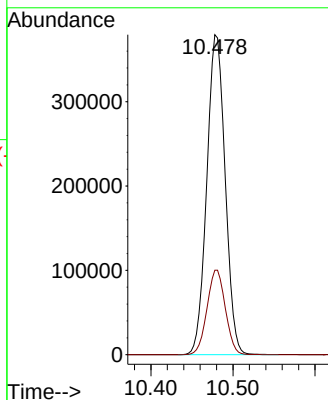
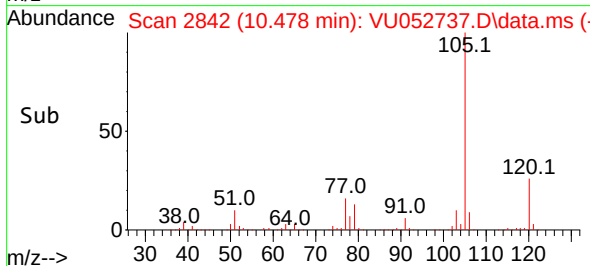
Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050



Tgt Ion:105 Resp: 590294
Ion Ratio Lower Upper
105 100
120 26.3 13.2 39.5

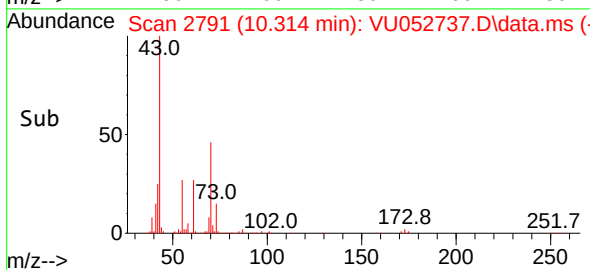
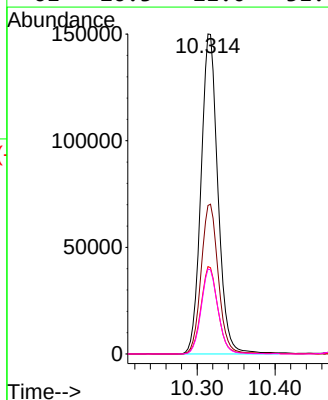
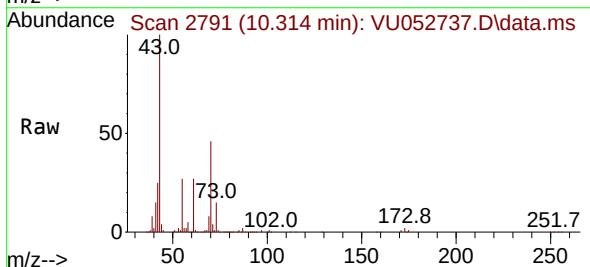
Manual Integrations
APPROVED

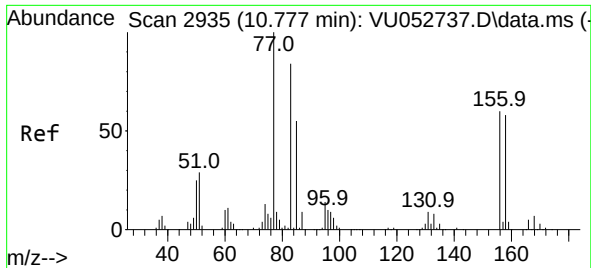
Reviewed By :John Carlone 01/20/2023
Supervised By :Mahesh Dadoda 01/20/2023



#74
N-ethyl acetate
Concen: 44.120 ug/l
RT: 10.314 min Scan# 2791
Delta R.T. 0.000 min
Lab File: VU052737.D
Acq: 19 Jan 2023 14:08

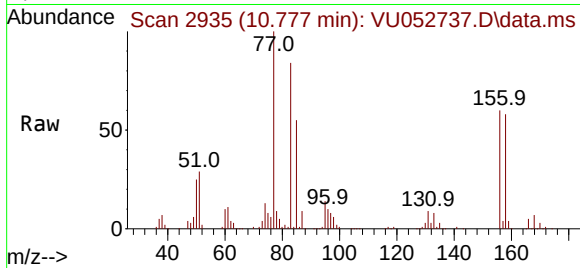
Tgt Ion: 43 Resp: 226110
Ion Ratio Lower Upper
43 100
70 47.4 37.9 56.9
55 27.4 21.9 32.9
61 26.3 21.0 31.6





#75
 1,1,2,2-Tetrachloroethane
 Concen: 42.955 ug/l
 RT: 10.777 min Scan# 2935
 Delta R.T. 0.000 min
 Lab File: VU052737.D
 Acq: 19 Jan 2023 14:08

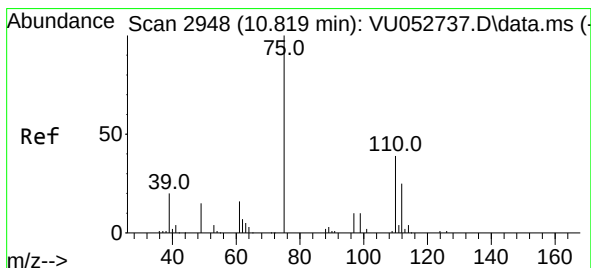
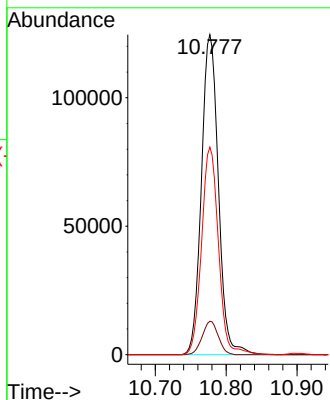
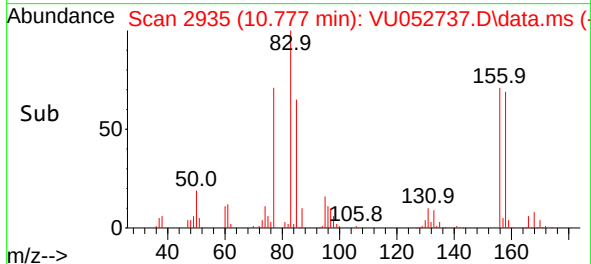
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC050



Tgt Ion: 83 Resp: 20688
 Ion Ratio Lower Upper
 83 100
 131 9.9 5.0 14.9
 85 64.5 32.3 96.8

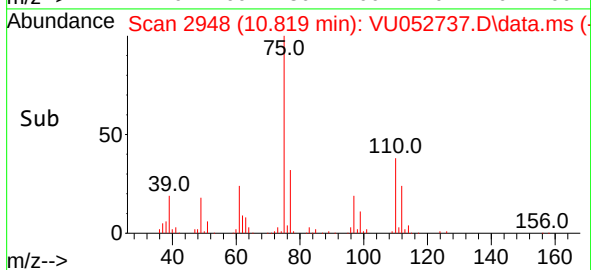
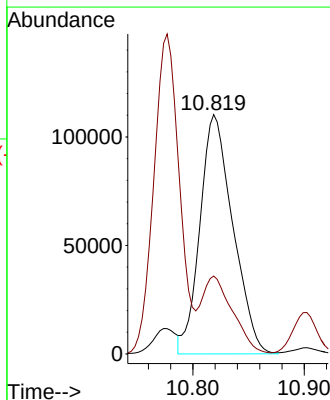
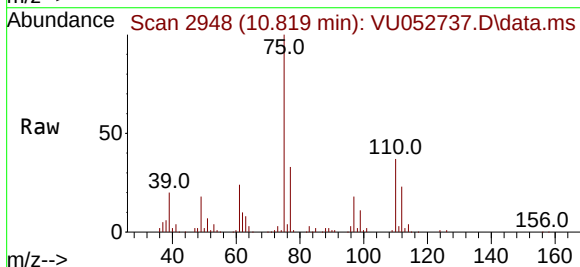
Manual Integrations
 APPROVED

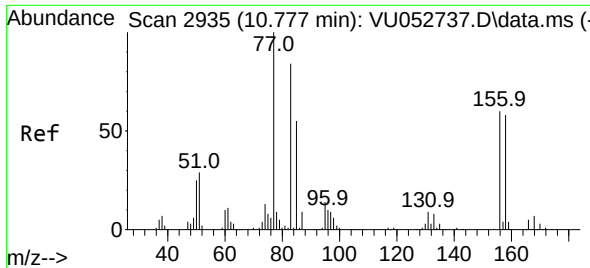
Reviewed By :John Carlone 01/20/2023
 Supervised By :Mahesh Dadoda 01/20/2023



#76
 1,2,3-Trichloropropane
 Concen: 43.093 ug/l
 RT: 10.819 min Scan# 2948
 Delta R.T. 0.000 min
 Lab File: VU052737.D
 Acq: 19 Jan 2023 14:08

Tgt Ion: 75 Resp: 226605
 Ion Ratio Lower Upper
 75 100
 77 30.1 15.0 45.1





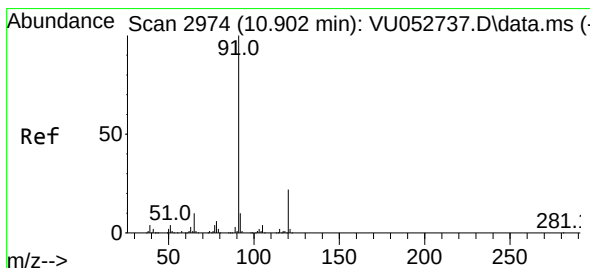
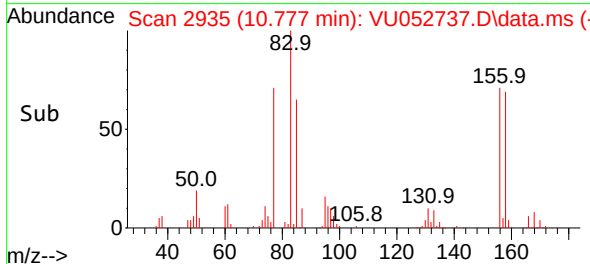
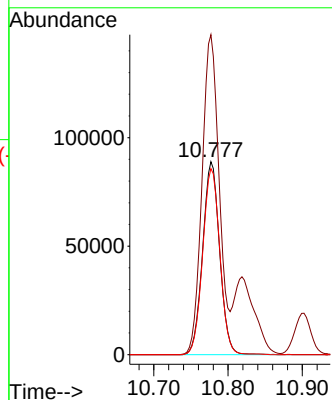
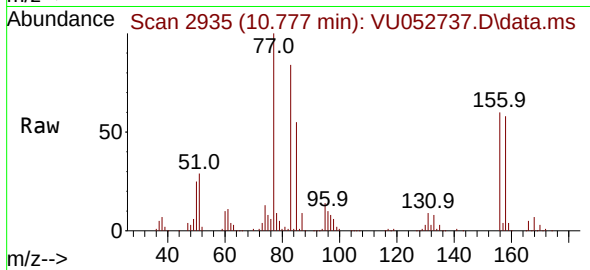
#77
Bromobenzene
Concen: 48.991 ug/l
RT: 10.777 min Scan# 2935
Delta R.T. 0.000 min
Lab File: VU052737.D
Acq: 19 Jan 2023 14:08

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

Tgt Ion:156 Resp: 141190
Ion Ratio Lower Upper
156 100
77 167.6 83.8 251.4
158 97.4 48.7 146.1

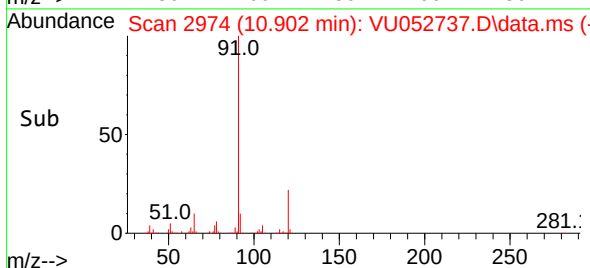
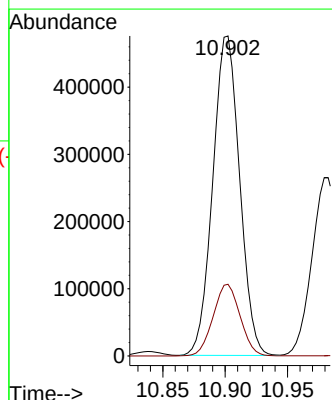
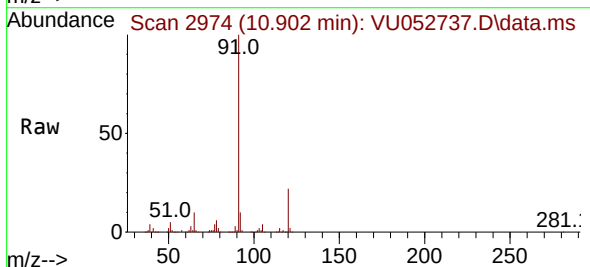
Manual Integrations
APPROVED

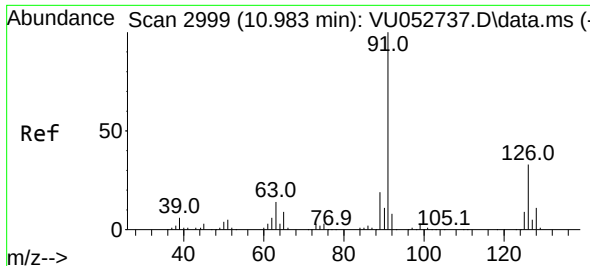
Reviewed By :John Carlone 01/20/2023
Supervised By :Mahesh Dadoda 01/20/2023



#78
n-propylbenzene
Concen: 51.445 ug/l
RT: 10.902 min Scan# 2974
Delta R.T. 0.000 min
Lab File: VU052737.D
Acq: 19 Jan 2023 14:08

Tgt Ion: 91 Resp: 714470
Ion Ratio Lower Upper
91 100
120 22.5 11.3 33.8





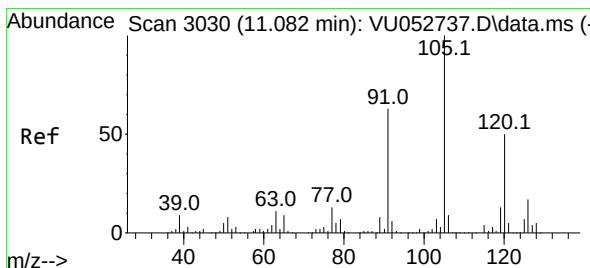
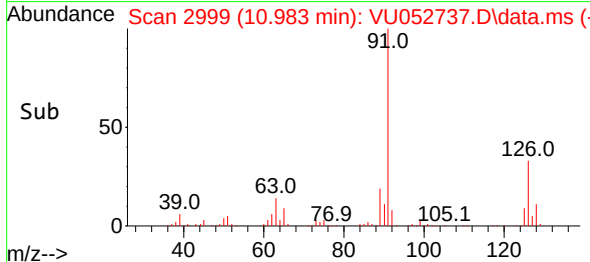
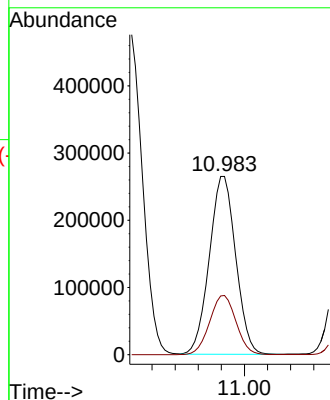
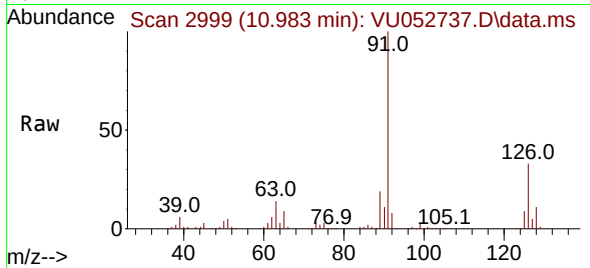
#79
2-Chlorotoluene
Concen: 49.321 ug/l
RT: 10.983 min Scan# 2999
Delta R.T. 0.000 min
Lab File: VU052737.D
Acq: 19 Jan 2023 14:08

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

Tgt Ion: 91 Resp: 420198
Ion Ratio Lower Upper
91 100
126 33.3 16.7 50.0

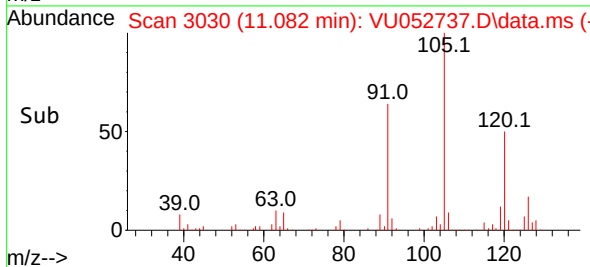
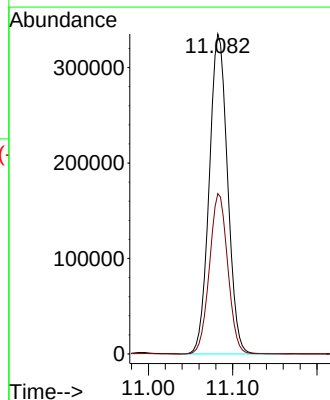
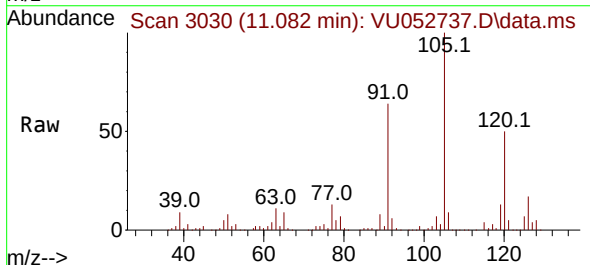
Manual Integrations
APPROVED

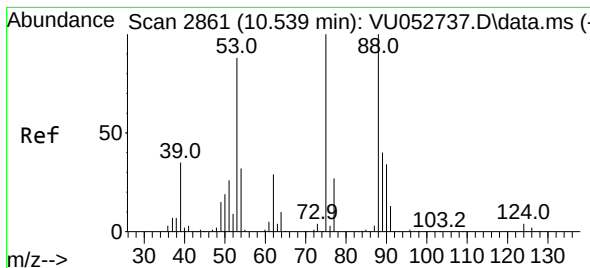
Reviewed By :John Carlone 01/20/2023
Supervised By :Mahesh Dadoda 01/20/2023



#80
1,3,5-Trimethylbenzene
Concen: 52.395 ug/l
RT: 11.082 min Scan# 3030
Delta R.T. 0.000 min
Lab File: VU052737.D
Acq: 19 Jan 2023 14:08

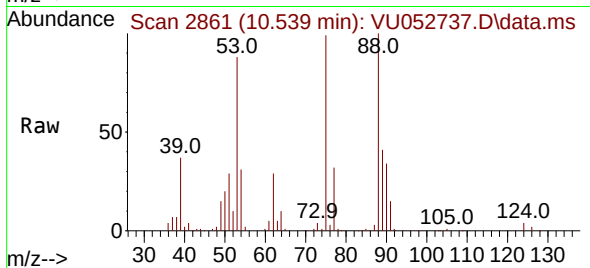
Tgt Ion:105 Resp: 506939
Ion Ratio Lower Upper
105 100
120 50.1 25.1 75.2





#81
trans-1,4-Dichloro-2-butene
Concen: 43.989 ug/l
RT: 10.539 min Scan# 2861
Delta R.T. 0.000 min
Lab File: VU052737.D
Acq: 19 Jan 2023 14:08

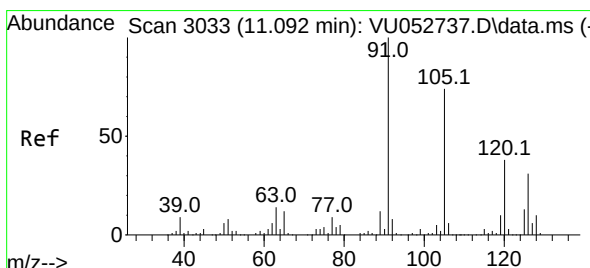
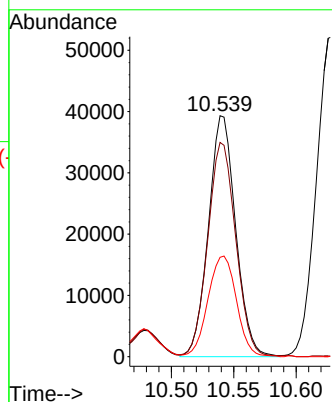
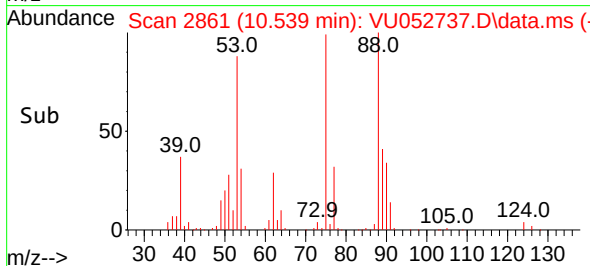
Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050



Tgt Ion: 75 Resp: 5987
Ion Ratio Lower Upper
75 100
53 90.5 72.4 108.6
89 43.7 35.0 52.4

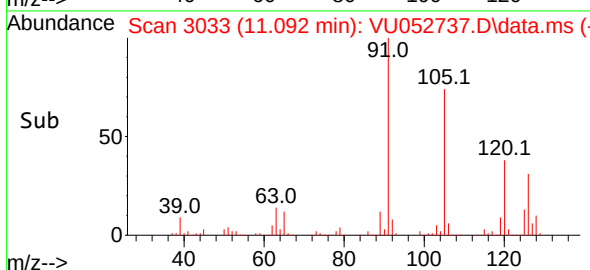
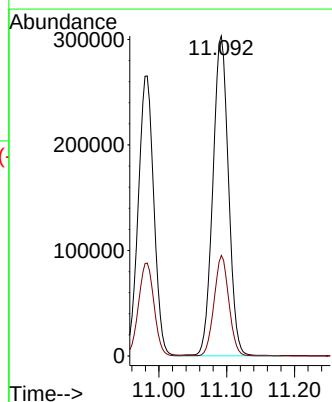
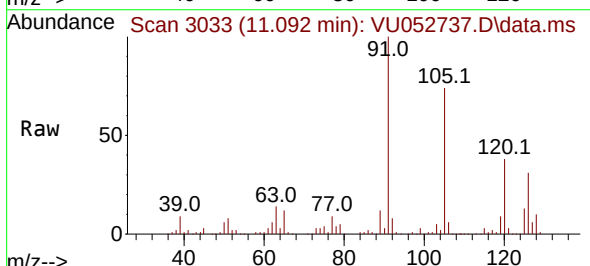
Manual Integrations
APPROVED

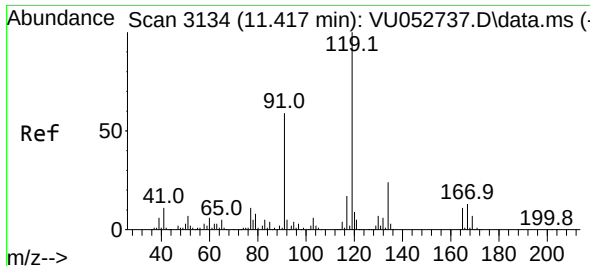
Reviewed By :John Carlone 01/20/2023
Supervised By :Mahesh Dadoda 01/20/2023



#82
4-Chlorotoluene
Concen: 50.059 ug/l
RT: 11.092 min Scan# 3033
Delta R.T. 0.000 min
Lab File: VU052737.D
Acq: 19 Jan 2023 14:08

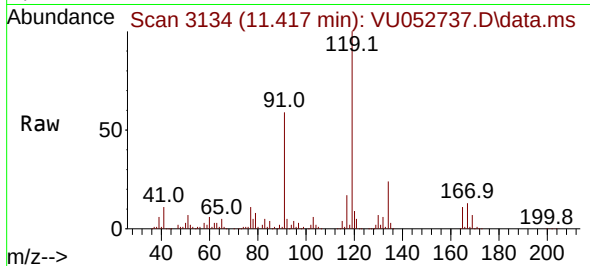
Tgt Ion: 91 Resp: 484421
Ion Ratio Lower Upper
91 100
126 29.8 14.9 44.7





#83
tert-Butylbenzene
Concen: 51.372 ug/l
RT: 11.417 min Scan# 3134
Delta R.T. 0.000 min
Lab File: VU052737.D
Acq: 19 Jan 2023 14:08

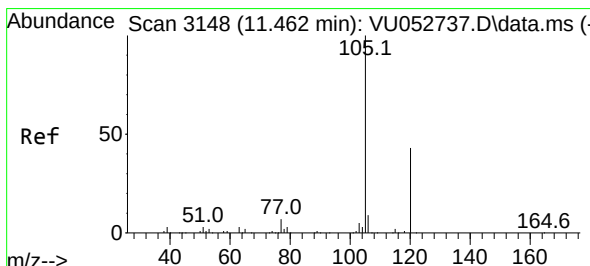
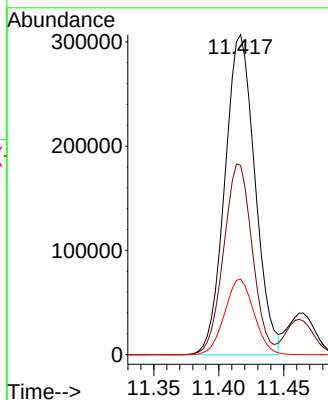
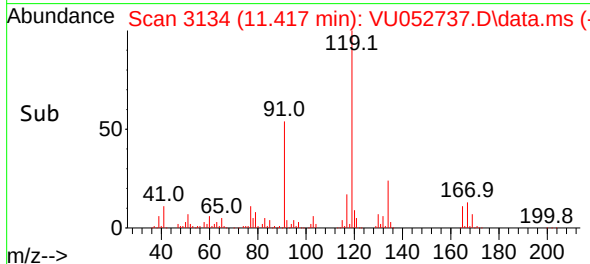
Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050



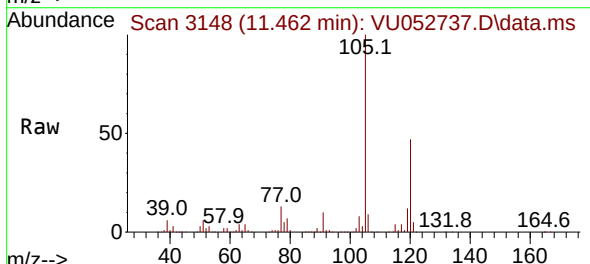
Tgt Ion:119 Resp: 495638
Ion Ratio Lower Upper
119 100
91 56.8 28.4 85.2
134 23.0 11.5 34.5

Manual Integrations
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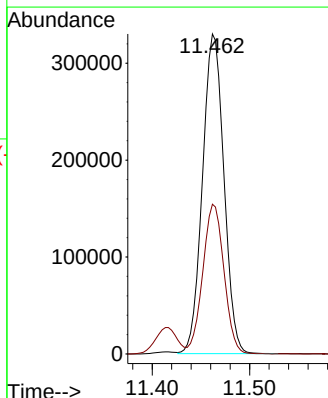
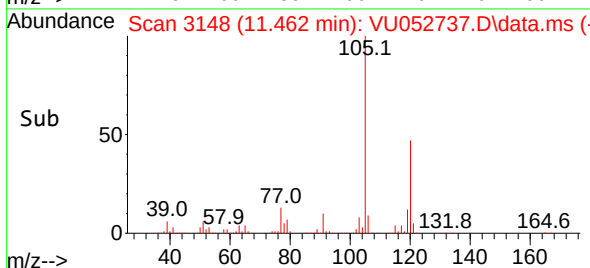
Reviewed By :John Carlone 01/20/2023
Supervised By :Mahesh Dadoda 01/20/2023

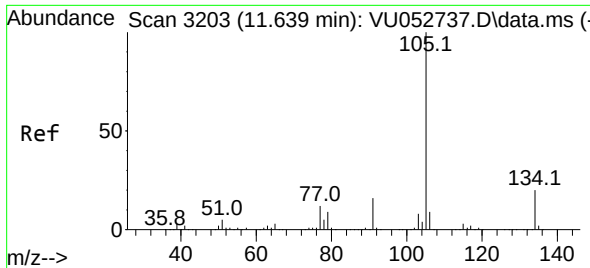


#84
1,2,4-Trimethylbenzene
Concen: 52.782 ug/l
RT: 11.462 min Scan# 3148
Delta R.T. 0.000 min
Lab File: VU052737.D
Acq: 19 Jan 2023 14:08



Tgt Ion:105 Resp: 503150
Ion Ratio Lower Upper
105 100
120 46.3 23.2 69.5





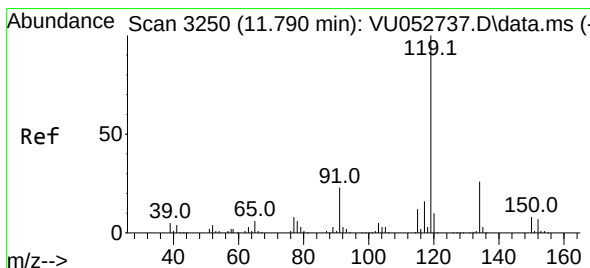
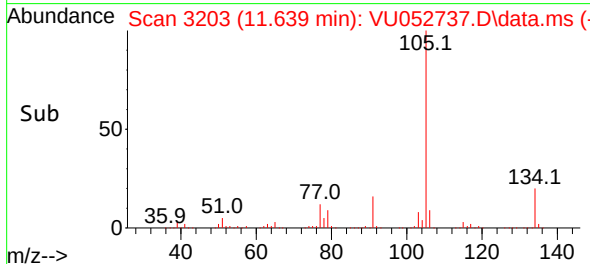
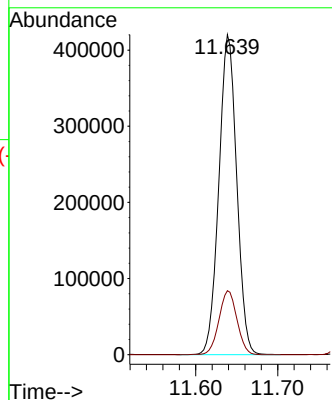
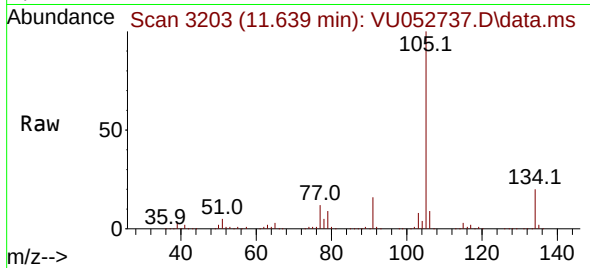
#85
 sec-Butylbenzene
 Concen: 52.447 ug/l
 RT: 11.639 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: VU052737.D
 Acq: 19 Jan 2023 14:08

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC050

Tgt Ion:105 Resp: 636160
 Ion Ratio Lower Upper
 105 100
 134 20.2 10.1 30.3

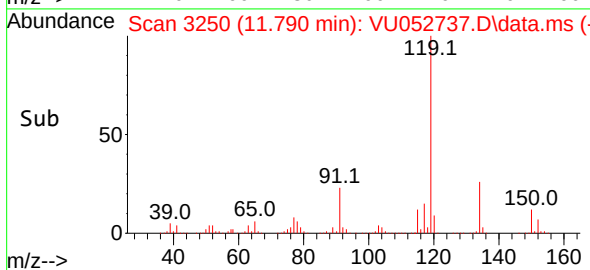
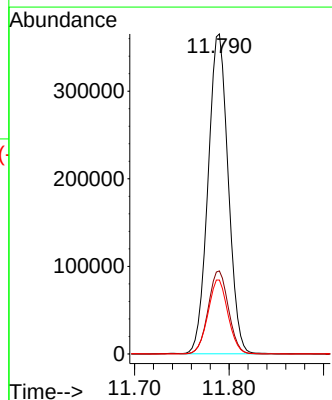
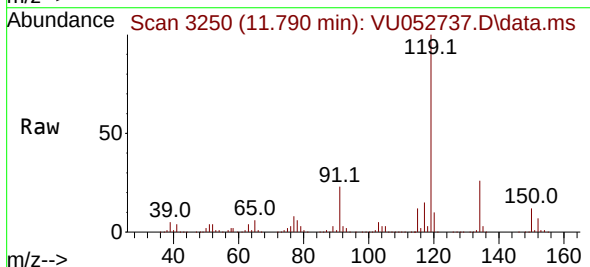
Manual Integrations
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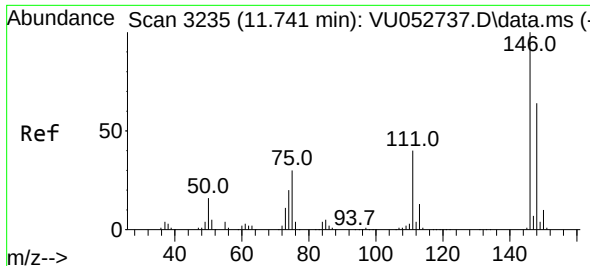
Reviewed By :John Carlone 01/20/2023
 Supervised By :Mahesh Dadoda 01/20/2023



#86
 p-Isopropyltoluene
 Concen: 54.223 ug/l
 RT: 11.790 min Scan# 3250
 Delta R.T. 0.000 min
 Lab File: VU052737.D
 Acq: 19 Jan 2023 14:08

Tgt Ion:119 Resp: 539762
 Ion Ratio Lower Upper
 119 100
 134 26.1 13.1 39.1
 91 23.0 11.5 34.5





#87

1,3-Dichlorobenzene

Concen: 50.128 ug/l

RT: 11.741 min Scan# 3235

Delta R.T. 0.000 min

Lab File: VU052737.D

Acq: 19 Jan 2023 14:08

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC050

Tgt Ion:146 Resp: 278629

Ion Ratio Lower Upper

146 100

111 40.1 20.1 60.2

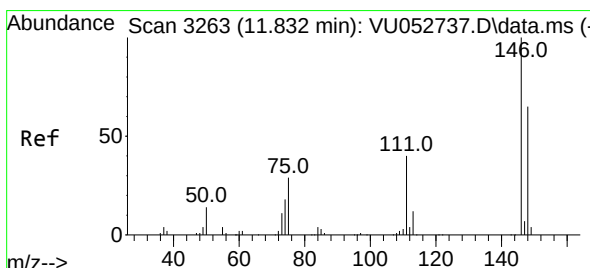
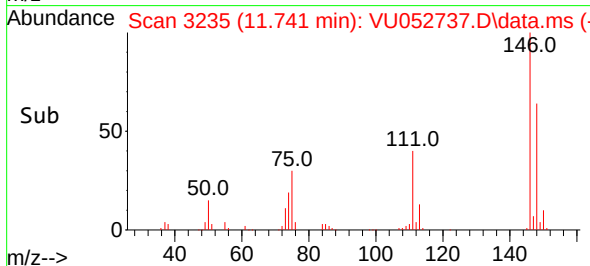
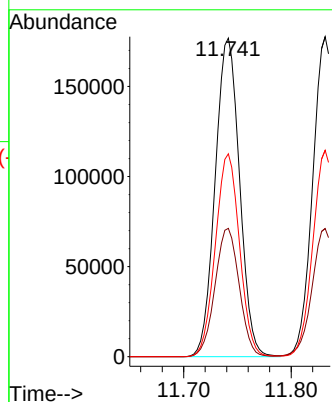
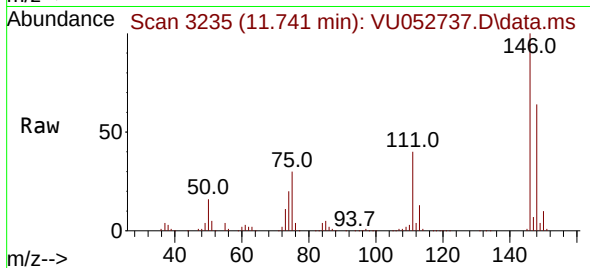
148 63.1 31.6 94.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/20/2023

Supervised By :Mahesh Dadoda 01/20/2023



#88

1,4-Dichlorobenzene

Concen: 48.721 ug/l

RT: 11.832 min Scan# 3263

Delta R.T. 0.000 min

Lab File: VU052737.D

Acq: 19 Jan 2023 14:08

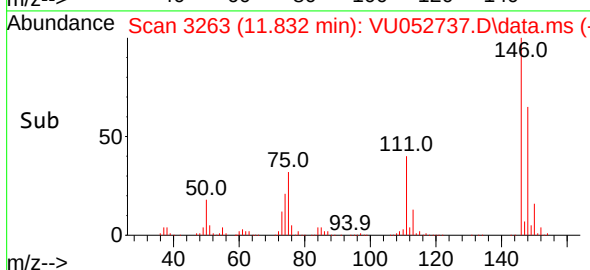
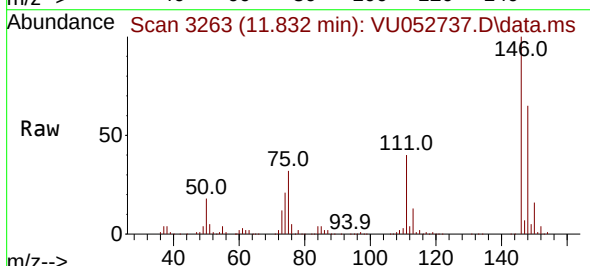
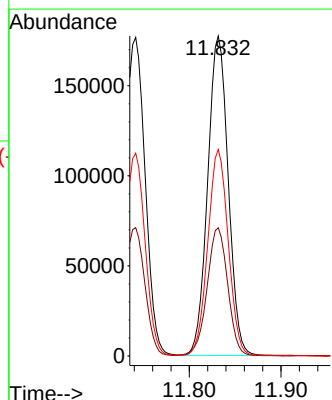
Tgt Ion:146 Resp: 276258

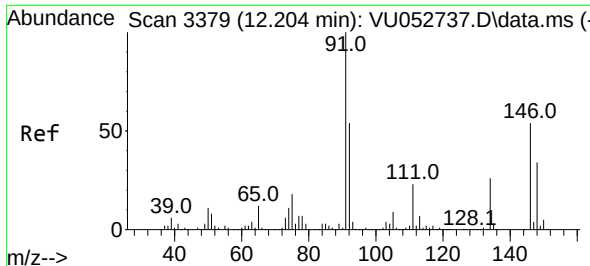
Ion Ratio Lower Upper

146 100

111 40.7 20.3 61.0

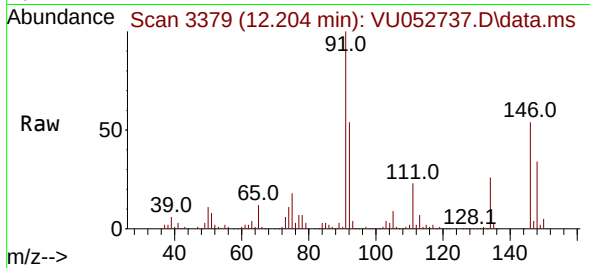
148 64.5 32.3 96.8





#89
n-Butylbenzene
Concen: 51.123 ug/l
RT: 12.204 min Scan# 3379
Delta R.T. 0.000 min
Lab File: VU052737.D
Acq: 19 Jan 2023 14:08

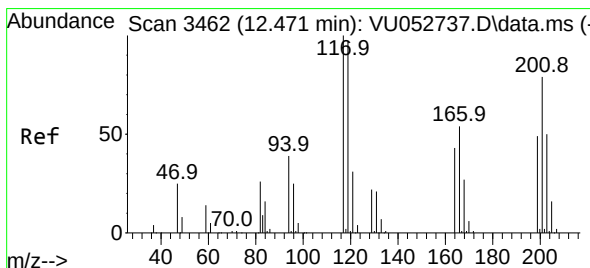
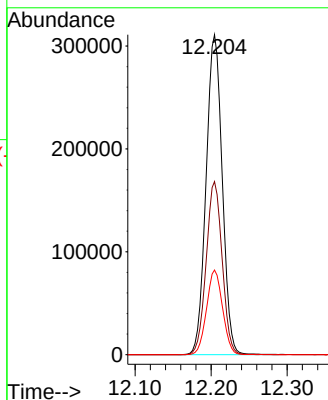
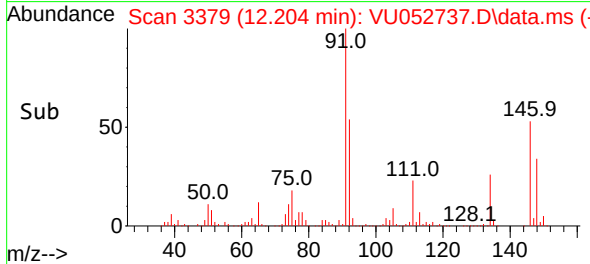
Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050



Tgt Ion: 91 Resp: 458840
Ion Ratio Lower Upper
91 100
92 53.5 26.8 80.3
134 26.2 13.1 39.3

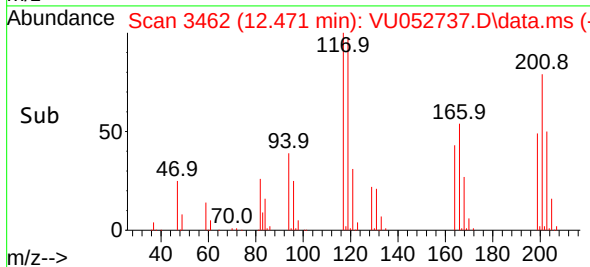
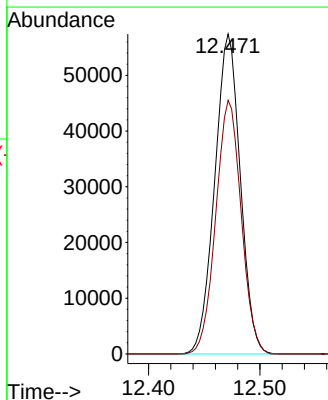
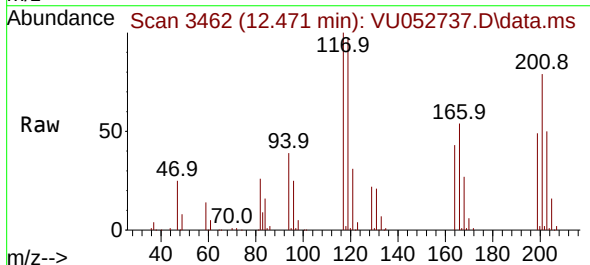
Manual Integrations
APPROVED

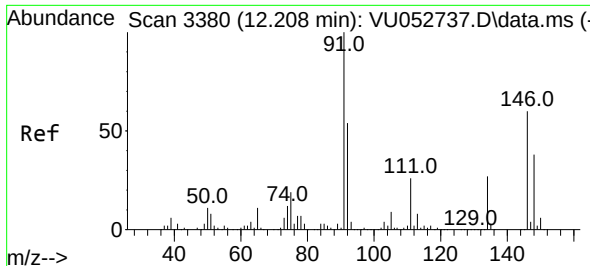
Reviewed By :John Carlone 01/20/2023
Supervised By :Mahesh Dadoda 01/20/2023



#90
Hexachloroethane
Concen: 47.254 ug/l
RT: 12.471 min Scan# 3462
Delta R.T. 0.000 min
Lab File: VU052737.D
Acq: 19 Jan 2023 14:08

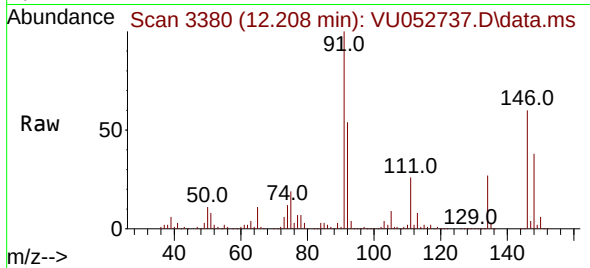
Tgt Ion:117 Resp: 91729
Ion Ratio Lower Upper
117 100
201 78.6 39.3 117.9





#91
1,2-Dichlorobenzene
Concen: 49.942 ug/l
RT: 12.208 min Scan# 3380
Delta R.T. 0.000 min
Lab File: VU052737.D
Acq: 19 Jan 2023 14:08

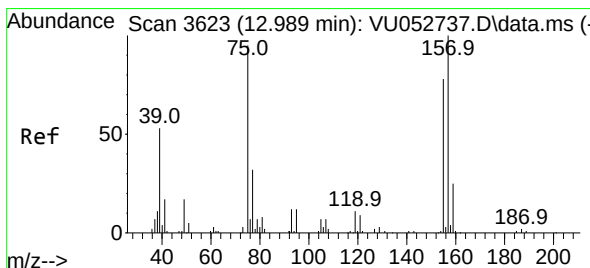
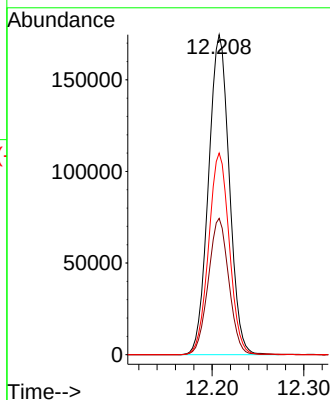
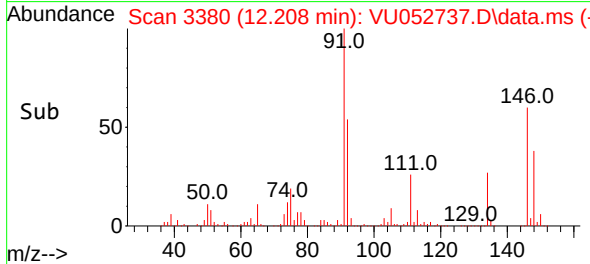
Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050



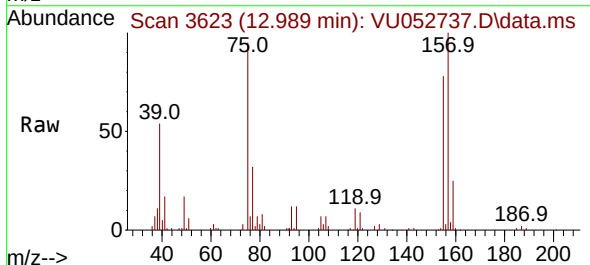
Tgt Ion:146 Resp: 27495
Ion Ratio Lower Upper
146 100
111 42.1 21.1 63.1
148 62.7 31.4 94.0

Manual Integrations
APPROVED

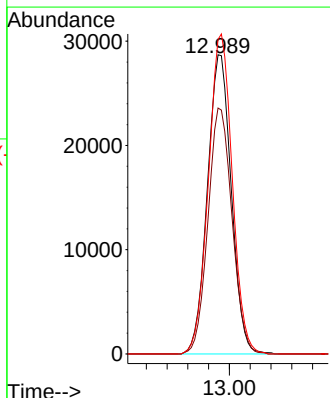
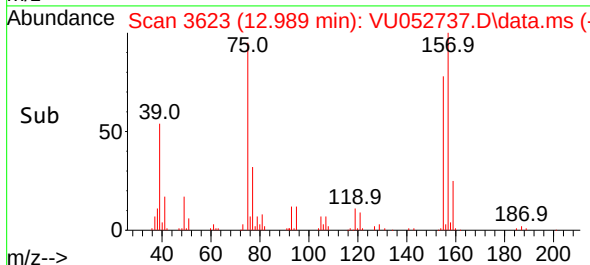
Reviewed By :John Carlone 01/20/2023
Supervised By :Mahesh Dadoda 01/20/2023

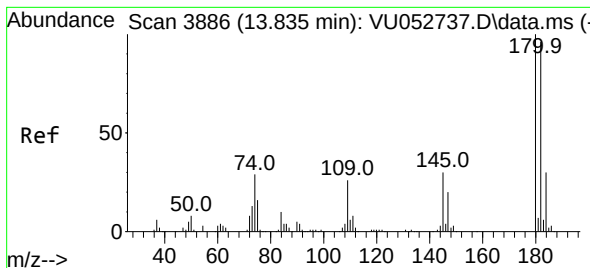


#92
1,2-Dibromo-3-Chloropropane
Concen: 44.559 ug/l
RT: 12.989 min Scan# 3623
Delta R.T. 0.000 min
Lab File: VU052737.D
Acq: 19 Jan 2023 14:08



Tgt Ion: 75 Resp: 45828
Ion Ratio Lower Upper
75 100
155 82.9 41.4 124.4
157 106.8 53.4 160.2





#93

1,2,4-Trichlorobenzene

Concen: 52.858 ug/l

RT: 13.835 min Scan# 3886

Delta R.T. 0.000 min

Lab File: VU052737.D

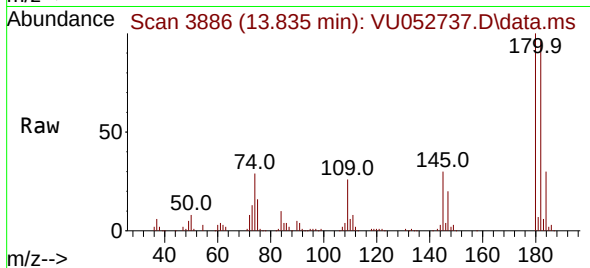
Acq: 19 Jan 2023 14:08

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC050



Tgt Ion:180 Resp: 170631

Ion Ratio Lower Upper

180 100

182 94.9 47.4 142.3

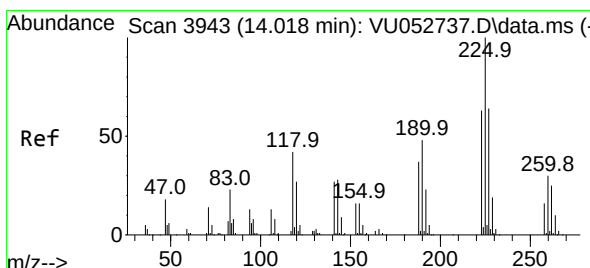
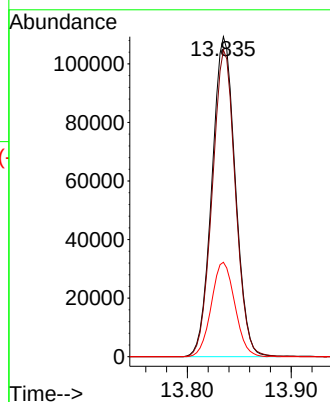
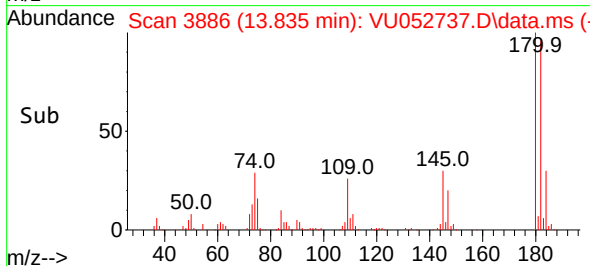
145 29.7 14.9 44.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/20/2023

Supervised By :Mahesh Dadoda 01/20/2023



#94

Hexachlorobutadiene

Concen: 51.620 ug/l

RT: 14.018 min Scan# 3943

Delta R.T. 0.000 min

Lab File: VU052737.D

Acq: 19 Jan 2023 14:08

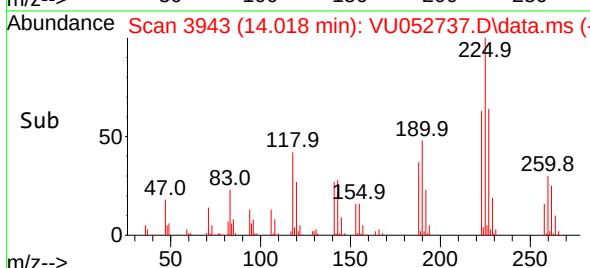
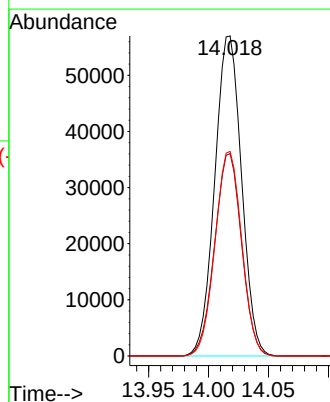
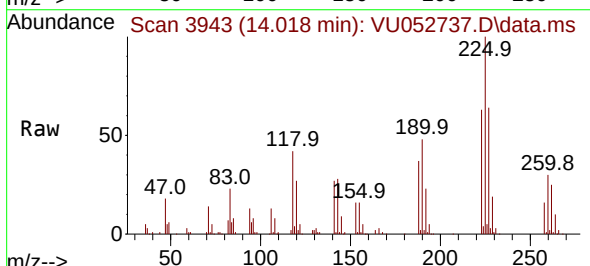
Tgt Ion:225 Resp: 88631

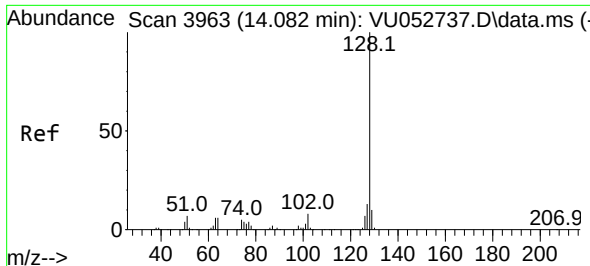
Ion Ratio Lower Upper

225 100

223 63.5 31.8 95.3

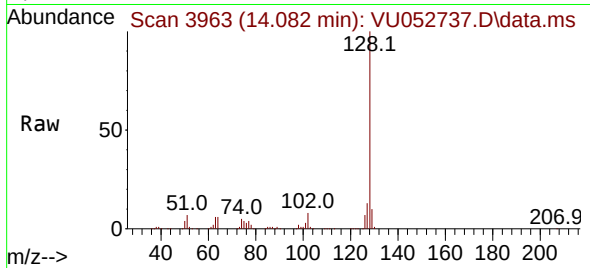
227 63.6 31.8 95.4





#95
Naphthalene
Concen: 53.694 ug/l
RT: 14.082 min Scan# 3963
Delta R.T. 0.000 min
Lab File: VU052737.D
Acq: 19 Jan 2023 14:08

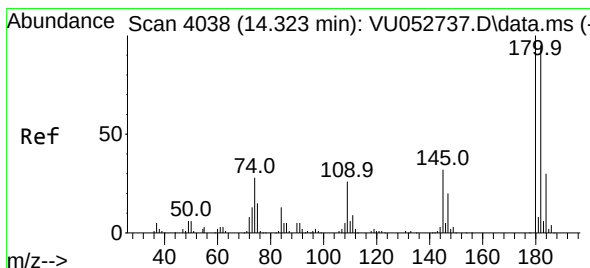
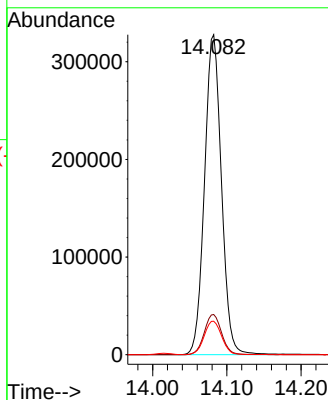
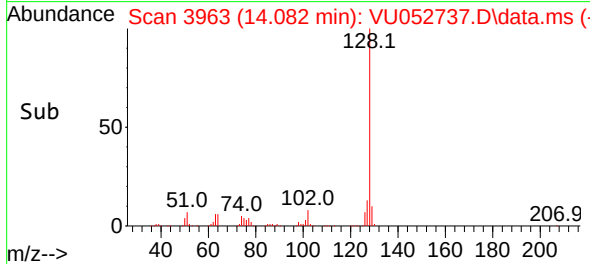
Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050



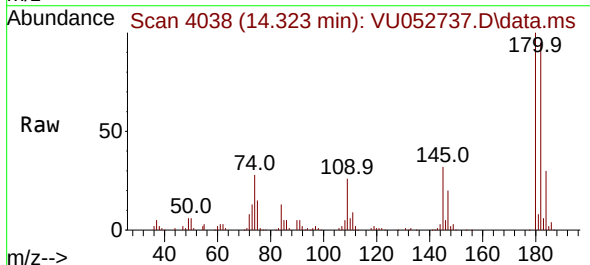
Tgt Ion:128 Resp: 517350
Ion Ratio Lower Upper
128 100
127 12.9 10.3 15.5
129 10.8 8.6 13.0

Manual Integrations
APPROVED

Reviewed By :John Carlone 01/20/2023
Supervised By :Mahesh Dadoda 01/20/2023



#96
1,2,3-Trichlorobenzene
Concen: 52.963 ug/l
RT: 14.323 min Scan# 4038
Delta R.T. 0.000 min
Lab File: VU052737.D
Acq: 19 Jan 2023 14:08



Tgt Ion:180 Resp: 171587
Ion Ratio Lower Upper
180 100
182 96.2 48.1 144.3
145 31.6 15.8 47.4

