

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU011923\
 Data File : VU052747.D
 Acq On : 19 Jan 2023 19:54
 Operator : JC/MD
 Sample : MDL04
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL04

Manual Integrations
 APPROVED

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

Quant Time: Jan 20 01:37:09 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U011923W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 20 01:35:33 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.369	168	205252	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.243	114	343482	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.414	117	312079	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.809	152	147595	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.697	65	157241	53.194	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 106.380%			
35) Dibromofluoromethane	5.282	113	120779	50.499	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.000%			
50) Toluene-d8	7.893	98	438816	48.924	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 97.840%			
62) 4-Bromofluorobenzene	10.629	95	150757	46.012	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 92.020%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.385	85	5729	2.367	ug/l	94
3) Chloromethane	1.517	50	7311	2.941	ug/l	93
4) Vinyl Chloride	1.604	62	6117	2.467	ug/l	99
5) Bromomethane	1.858	94	3788	3.095	ug/l	91
6) Chloroethane	1.932	64	3843	2.452	ug/l	95
7) Trichlorofluoromethane	2.134	101	9435	2.472	ug/l	97
8) Diethyl Ether	2.375	74	3530	2.540	ug/l	88
9) 1,1,2-Trichlorotrifluo...	2.575	101	5115	2.317	ug/l	93
10) Methyl Iodide	2.720	142	4717	2.601	ug/l #	94
11) Tert butyl alcohol	3.253	59	6004m	11.920	ug/l	
12) 1,1-Dichloroethene	2.578	96	5619	2.574	ug/l	94
13) Acrolein	2.488	56	7337	14.816	ug/l	98
14) Allyl chloride	2.919	41	8156	2.372	ug/l	98
15) Acrylonitrile	3.318	53	17394	12.516	ug/l	98
16) Acetone	2.642	43	15918	11.299	ug/l	97
17) Carbon Disulfide	2.790	76	16993	2.598	ug/l	97
18) Methyl Acetate	2.951	43	9906	2.541	ug/l	97
19) Methyl tert-butyl Ether	3.359	73	18504	2.502	ug/l	97
20) Methylene Chloride	3.041	84	7318	2.308	ug/l	94
21) trans-1,2-Dichloroethene	3.350	96	5898	2.506	ug/l	98
22) Diisopropyl ether	3.990	45	17253	2.413	ug/l #	84
23) Vinyl Acetate	3.954	43	65559	11.948	ug/l	98
24) 1,1-Dichloroethane	3.864	63	11998	2.645	ug/l	97
25) 2-Butanone	4.713	43	21613	11.895	ug/l	99
26) 2,2-Dichloropropane	4.662	77	9016	2.423	ug/l #	73
27) cis-1,2-Dichloroethene	4.662	96	6811	2.636	ug/l	97
28) Bromochloromethane	4.973	49	4675	2.469	ug/l #	96
29) Tetrahydrofuran	5.060	42	13133	12.451	ug/l	98
30) Chloroform	5.086	83	11973	2.469	ug/l	97
31) Cyclohexane	5.379	56	13465	3.251	ug/l #	68
32) 1,1,1-Trichloroethane	5.311	97	10412	2.622	ug/l	94
36) 1,1-Dichloropropene	5.523	75	8890	2.591	ug/l	94
37) Ethyl Acetate	4.806	43	9350m	2.506	ug/l	
38) Carbon Tetrachloride	5.517	117	7763	2.199	ug/l	95
39) Methylcyclohexane	6.758	83	9487	2.376	ug/l	98
40) Benzene	5.771	78	25587	2.469	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.973	41	4160	2.305	ug/l #	95
42) 1,2-Dichloroethane	5.793	62	9151	2.446	ug/l	95
43) Isopropyl Acetate	5.912	43	13082	2.516	ug/l #	93
44) Trichloroethene	6.539	130	6569	2.563	ug/l	100
45) 1,2-Dichloropropane	6.790	63	6496	2.431	ug/l	95
46) Dibromomethane	6.915	93	4321	2.335	ug/l	96
47) Bromodichloromethane	7.099	83	8674	2.342	ug/l	94
48) Methyl methacrylate	6.960	41	5269	2.224	ug/l	96
49) 1,4-Dioxane	7.044	88	2420m	52.710	ug/l	
51) 4-Methyl-2-Pentanone	7.790	43	38775	11.522	ug/l	96
52) Toluene	7.967	92	16121	2.572	ug/l	95
53) t-1,3-Dichloropropene	8.205	75	8731	2.257	ug/l	90
54) cis-1,3-Dichloropropene	7.604	75	9776	2.369	ug/l	98
55) 1,1,2-Trichloroethane	8.398	97	6811	2.663	ug/l	87
56) Ethyl methacrylate	8.333	69	8141	2.260	ug/l	99
57) 1,3-Dichloropropane	8.571	76	10875	2.424	ug/l	95
58) 2-Chloroethyl Vinyl ether	7.459	63	789	7.214	ug/l #	87
59) 2-Hexanone	8.687	43	28909	11.151	ug/l	95
60) Dibromochloromethane	8.806	129	6581	2.343	ug/l	97
61) 1,2-Dibromoethane	8.919	107	6382	2.376	ug/l	95
64) Tetrachloroethene	8.549	164	5946	2.743	ug/l	93
65) Chlorobenzene	9.443	112	16531	2.503	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.530	131	6248	2.524	ug/l	94
67) Ethyl Benzene	9.568	91	25804	2.312	ug/l	99
68) m/p-Xylenes	9.690	106	19551	4.511	ug/l	99
69) o-Xylene	10.095	106	9395	2.271	ug/l	97
70) Styrene	10.111	104	14648	2.158	ug/l	96
71) Bromoform	10.285	173	4666	2.257	ug/l #	100
73) Isopropylbenzene	10.481	105	23691	2.436	ug/l	98
74) N-amyl acetate	10.317	43	8324	2.247	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.777	83	10303	2.674	ug/l	97
76) 1,2,3-Trichloropropane	10.819	75	11315	2.809	ug/l	99
77) Bromobenzene	10.777	156	7031	2.796	ug/l	93
78) n-propylbenzene	10.902	91	27661	2.419	ug/l	98
79) 2-Chlorotoluene	10.983	91	19073	2.699	ug/l	98
80) 1,3,5-Trimethylbenzene	11.086	105	18940	2.345	ug/l	99
81) trans-1,4-Dichloro-2-b...	10.542	75	2166m	2.090	ug/l	
82) 4-Chlorotoluene	11.092	91	20190	2.507	ug/l	100
83) tert-Butylbenzene	11.417	119	19239	2.321	ug/l	97
84) 1,2,4-Trimethylbenzene	11.462	105	18062	2.253	ug/l	99
85) sec-Butylbenzene	11.639	105	22737	2.240	ug/l	99
86) p-Isopropyltoluene	11.790	119	18114	2.099	ug/l	96
87) 1,3-Dichlorobenzene	11.742	146	12204	2.546	ug/l	99
88) 1,4-Dichlorobenzene	11.832	146	13004	2.638	ug/l	94
89) n-Butylbenzene	12.205	91	15524	2.097	ug/l	99
90) Hexachloroethane	12.472	117	3663	2.212	ug/l	92
91) 1,2-Dichlorobenzene	12.211	146	11964	2.475	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	12.992	75	2137	2.673	ug/l	92
93) 1,2,4-Trichlorobenzene	13.838	180	6529	2.313	ug/l	98
94) Hexachlorobutadiene	14.015	225	3677	2.350	ug/l	96
95) Naphthalene	14.082	128	16720	2.088	ug/l	98
96) 1,2,3-Trichlorobenzene	14.327	180	6119	2.183	ug/l	98

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Instrument :
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ClientSampleId :
MDL04

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

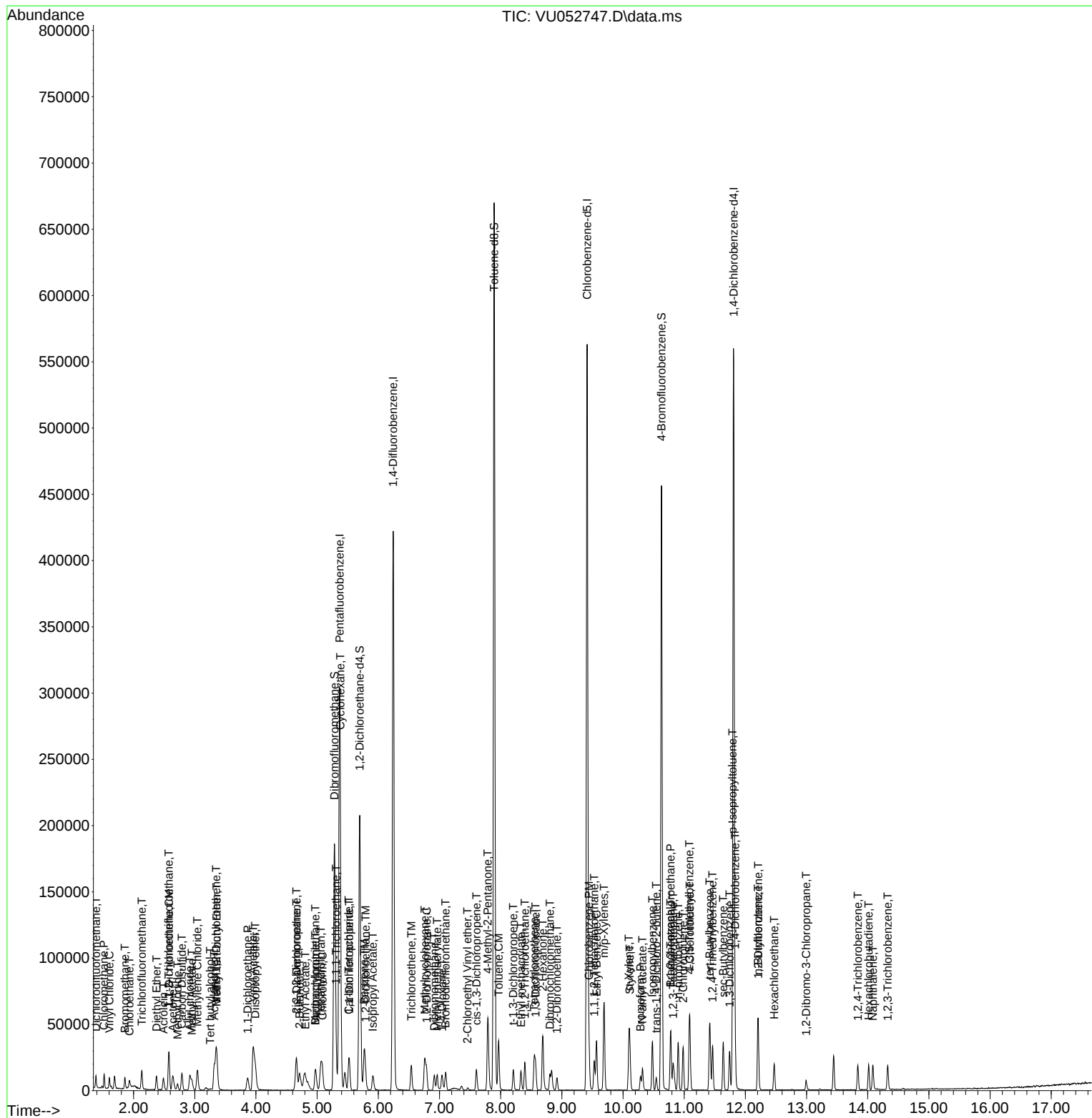
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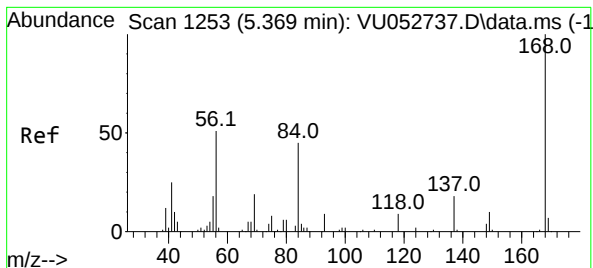
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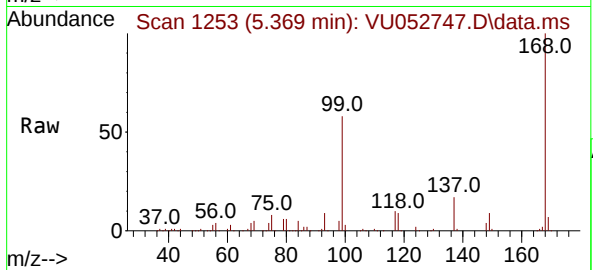
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#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.369 min Scan# 11
Delta R.T. -0.000 min
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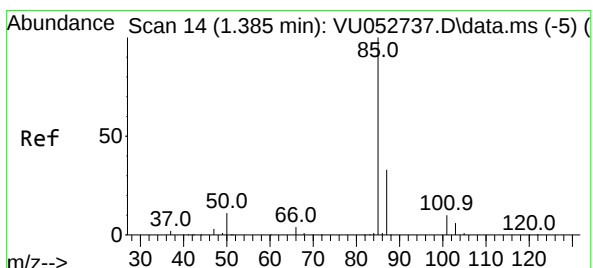
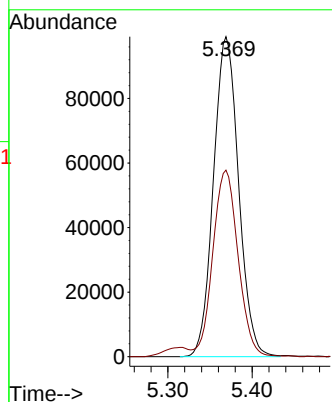
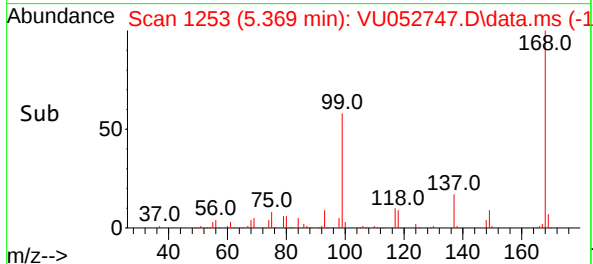
Instrument :
MSVOA_U
ClientSampleId :
MDL04



Tgt Ion:168 Resp: 20525
Ion Ratio Lower Upper
168 100
99 58.1 46.4 69.6

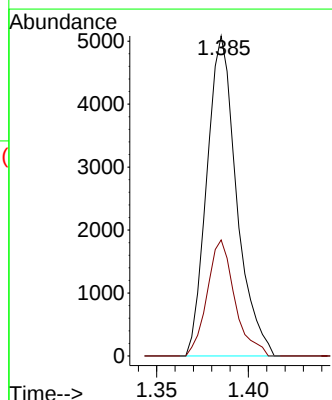
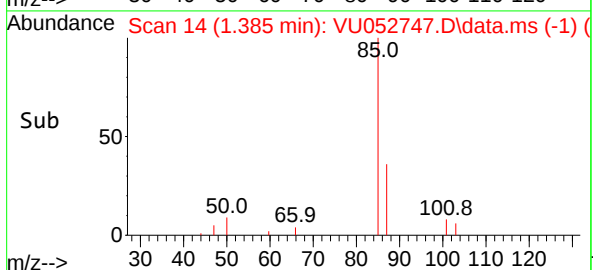
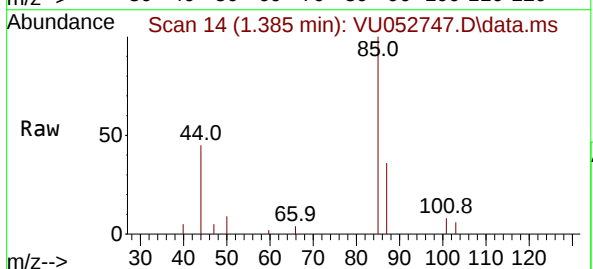
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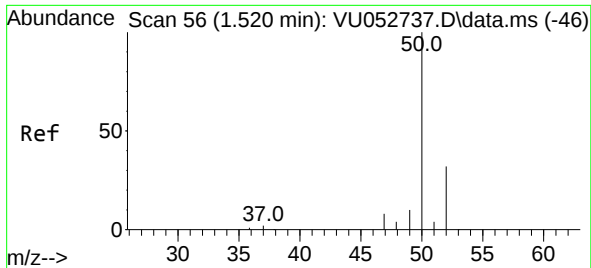
Reviewed By :John Carlone 01/20/2023
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#2
Dichlorodifluoromethane
Concen: 2.367 ug/l
RT: 1.385 min Scan# 14
Delta R.T. 0.000 min
Lab File: VU052747.D
Acq: 19 Jan 2023 19:54

Tgt Ion: 85 Resp: 5729
Ion Ratio Lower Upper
85 100
87 36.2 16.6 49.7





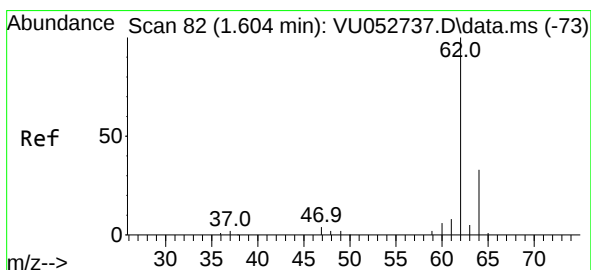
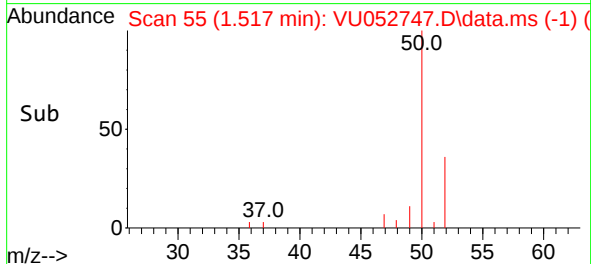
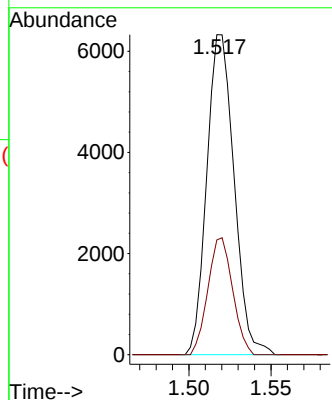
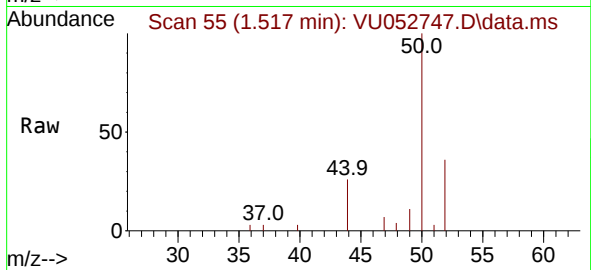
#3
Chloromethane
Concen: 2.941 ug/l
RT: 1.517 min Scan# 50
Delta R.T. -0.003 min
Lab File: VU052747.D
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Tgt Ion: 50 Resp: 731
Ion Ratio Lower Upper
50 100
52 35.9 25.8 38.6

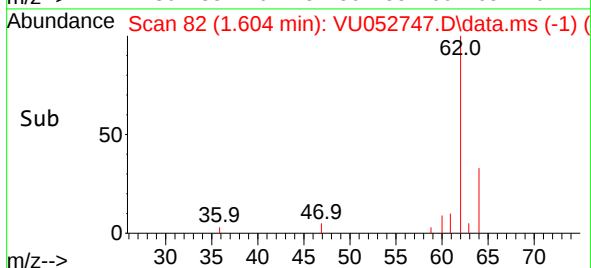
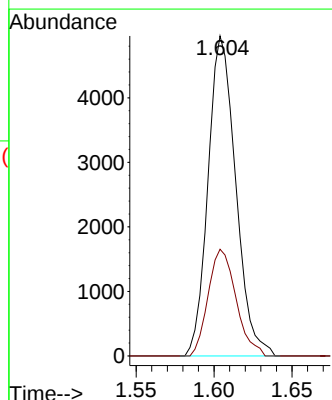
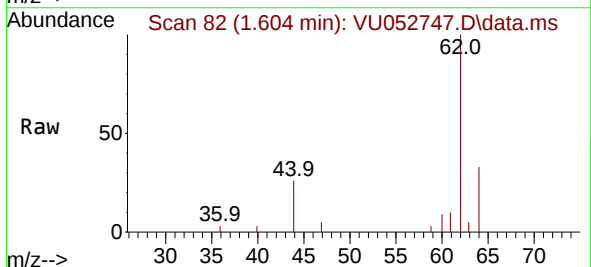
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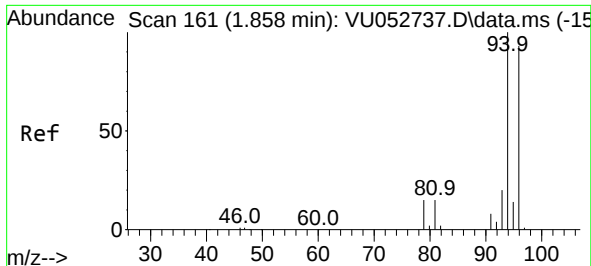
Reviewed By :John Carlone 01/20/2023
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#4
Vinyl Chloride
Concen: 2.467 ug/l
RT: 1.604 min Scan# 82
Delta R.T. 0.000 min
Lab File: VU052747.D
Acq: 19 Jan 2023 19:54

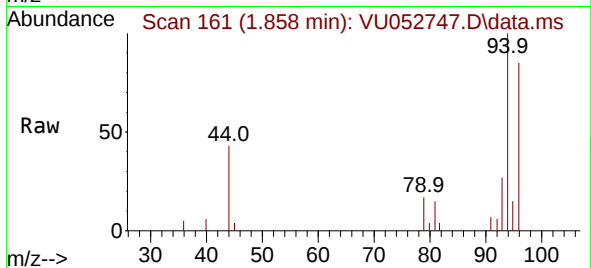
Tgt Ion: 62 Resp: 6117
Ion Ratio Lower Upper
62 100
64 33.4 26.1 39.1





#5
Bromomethane
Concen: 3.095 ug/l
RT: 1.858 min Scan# 161
Delta R.T. 0.000 min
Lab File: VU052747.D
Acq: 19 Jan 2023 19:54

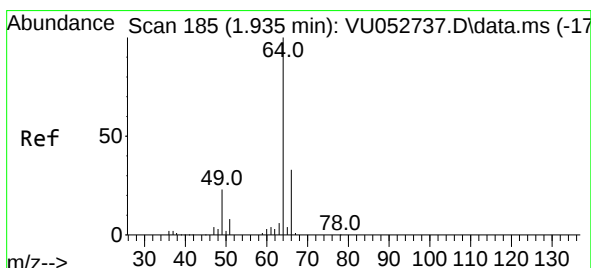
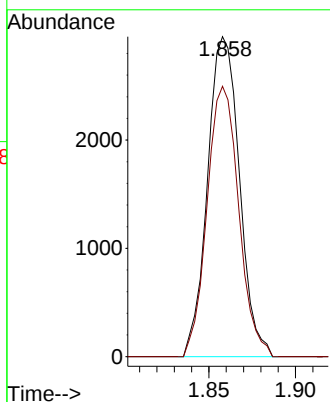
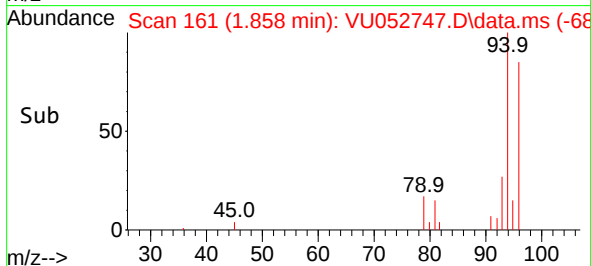
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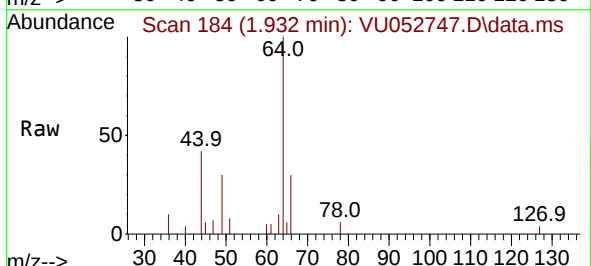
Tgt Ion: 94 Resp: 3788
Ion Ratio Lower Upper
94 100
96 84.5 74.3 111.5

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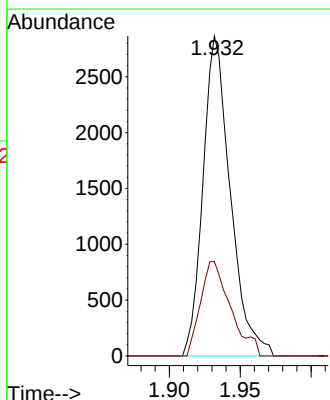
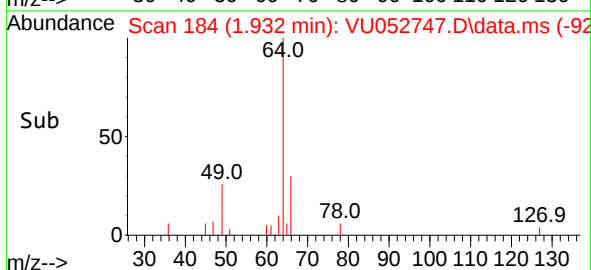
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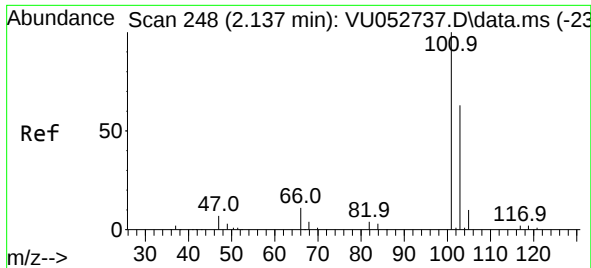


#6
Chloroethane
Concen: 2.452 ug/l
RT: 1.932 min Scan# 184
Delta R.T. -0.003 min
Lab File: VU052747.D
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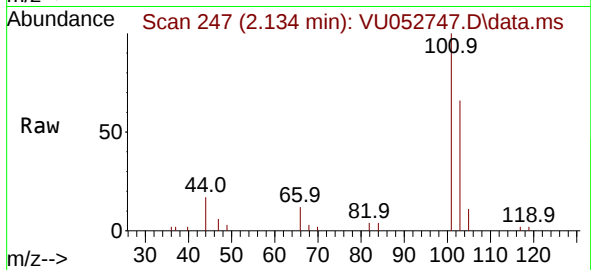
Tgt Ion: 64 Resp: 3843
Ion Ratio Lower Upper
64 100
66 29.5 26.1 39.1





#7
 Trichlorofluoromethane
 Concen: 2.472 ug/l
 RT: 2.134 min Scan# 248
 Delta R.T. -0.003 min
 Lab File: VU052747.D
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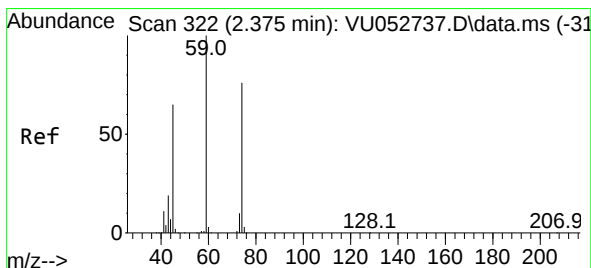
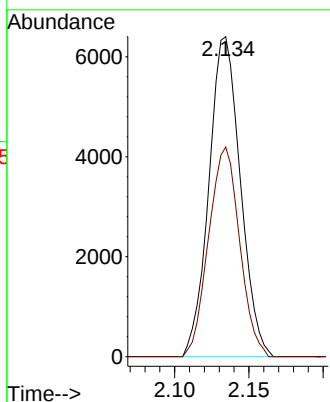
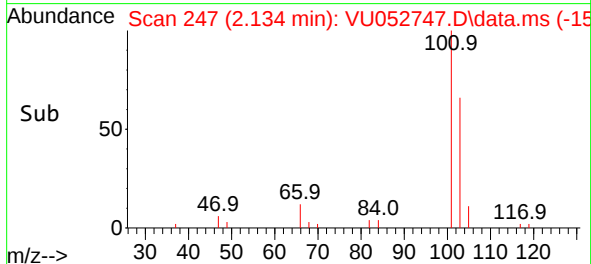
Instrument :
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Tgt Ion:101 Resp: 943
 Ion Ratio Lower Upper
 101 100
 103 65.5 50.7 76.1

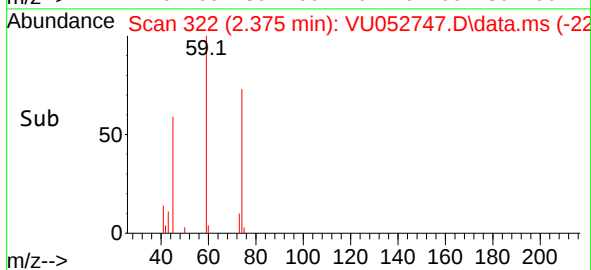
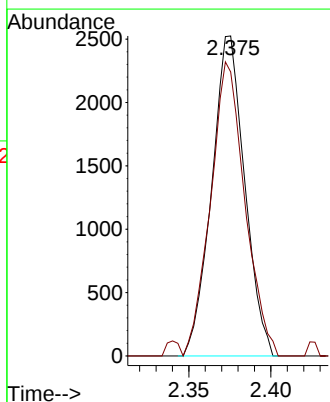
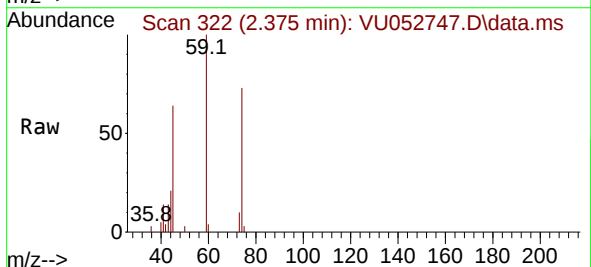
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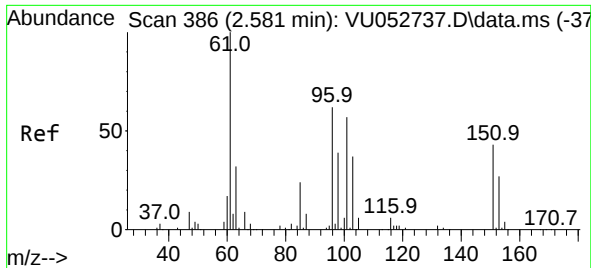
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#8
 Diethyl Ether
 Concen: 2.540 ug/l
 RT: 2.375 min Scan# 322
 Delta R.T. 0.000 min
 Lab File: VU052747.D
 Acq: 19 Jan 2023 19:54

Tgt Ion: 74 Resp: 3530
 Ion Ratio Lower Upper
 74 100
 45 95.6 42.4 127.3





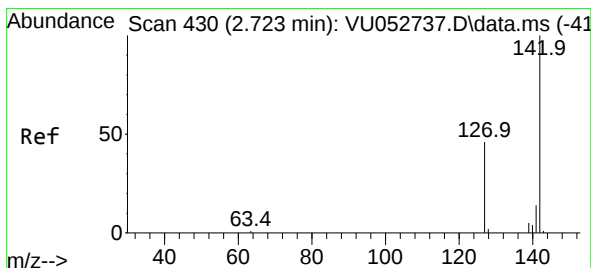
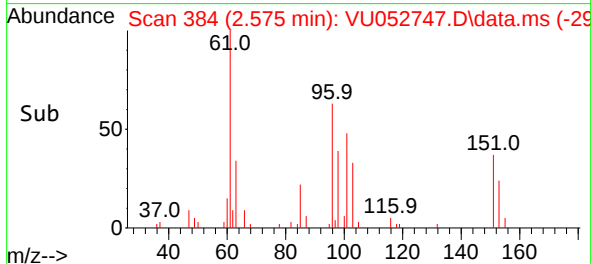
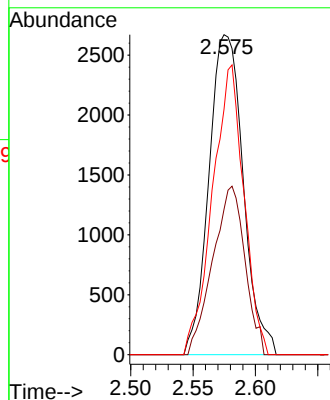
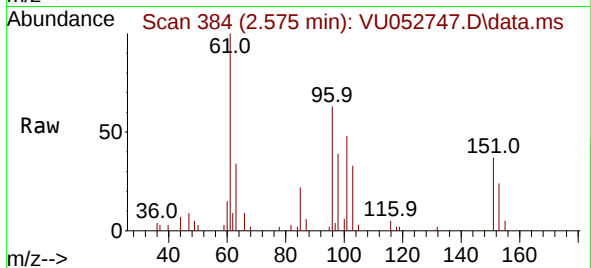
#9
1,1,2-Trichlorotrifluoroethane
Concen: 2.317 ug/l
RT: 2.575 min Scan# 384
Delta R.T. -0.006 min
Lab File: VU052747.D
Acq: 19 Jan 2023 19:54

Instrument :
MSVOA_U
ClientSampleId :
MDL04

Tgt Ion:101 Resp: 511
Ion Ratio Lower Upper
101 100
85 49.5 35.1 52.7
151 82.7 61.9 92.9

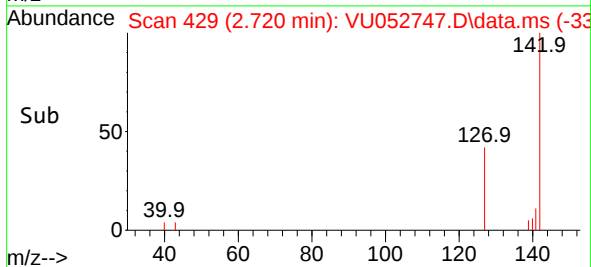
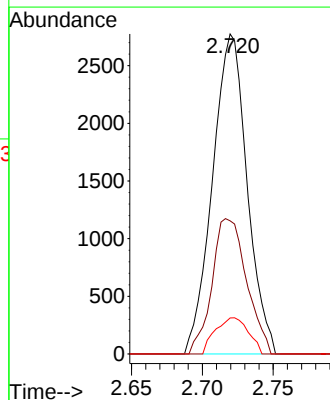
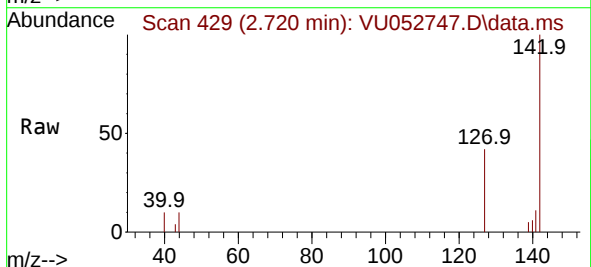
Manual Integrations
APPROVED

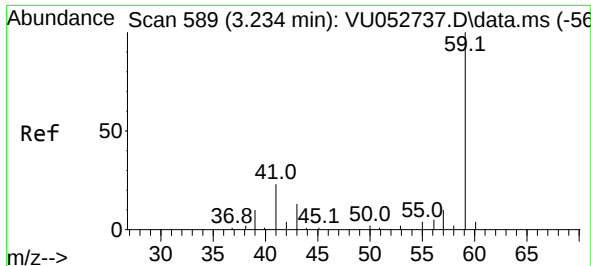
Reviewed By :John Carlone 01/20/2023
Supervised By :Mahesh Dadoda 01/20/2023



#10
Methyl Iodide
Concen: 2.601 ug/l
RT: 2.720 min Scan# 429
Delta R.T. -0.003 min
Lab File: VU052747.D
Acq: 19 Jan 2023 19:54

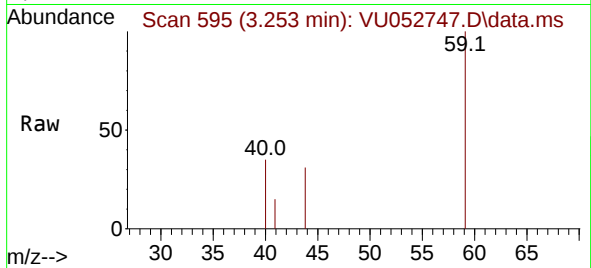
Tgt Ion:142 Resp: 4717
Ion Ratio Lower Upper
142 100
127 42.3 36.3 54.5
141 10.8 11.8 17.6#





#11
Tert butyl alcohol
Concen: 11.920 ug/l m
RT: 3.253 min Scan# 591
Delta R.T. 0.019 min
Lab File: VU052747.D
Acq: 19 Jan 2023 19:54

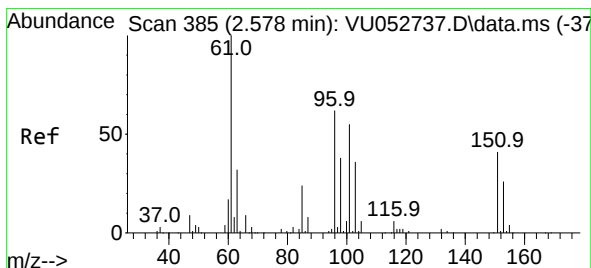
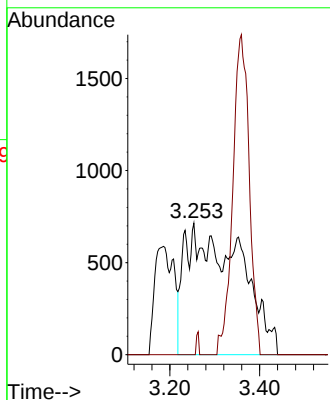
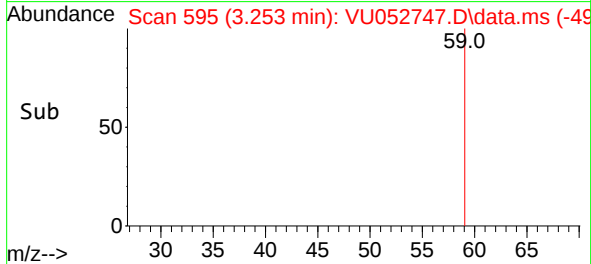
Instrument :
MSVOA_U
ClientSampleId :
MDL04



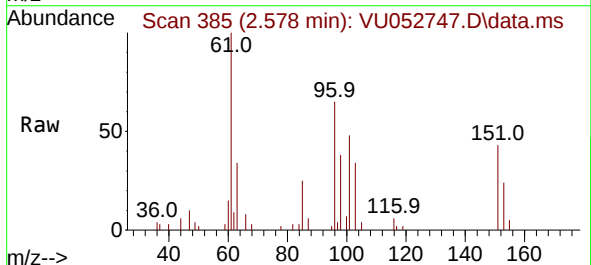
Tgt Ion: 59 Resp: 6004
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.6

Manual Integrations
APPROVED

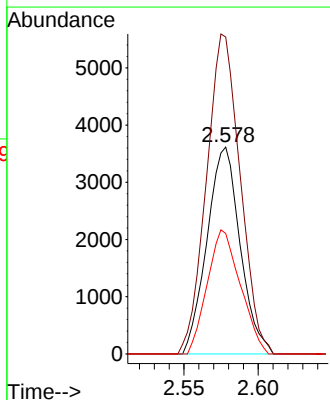
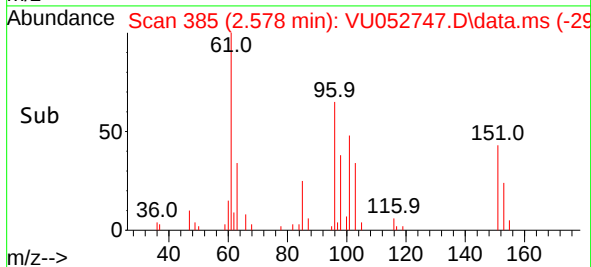
Reviewed By :John Carlone 01/20/2023
Supervised By :Mahesh Dadoda 01/20/2023

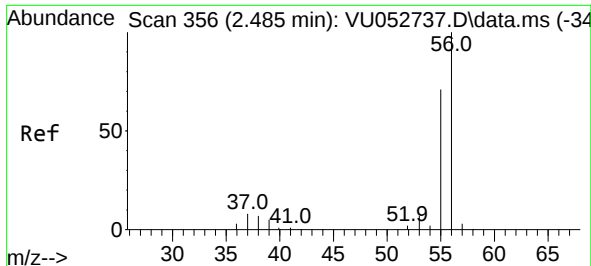


#12
1,1-Dichloroethene
Concen: 2.574 ug/l
RT: 2.578 min Scan# 385
Delta R.T. 0.000 min
Lab File: VU052747.D
Acq: 19 Jan 2023 19:54



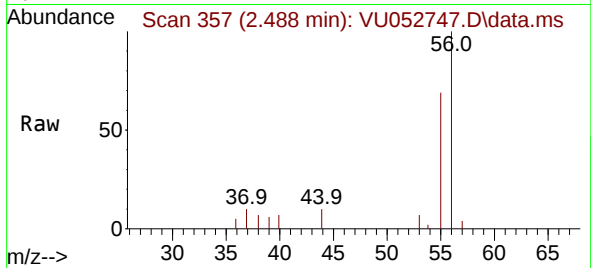
Tgt Ion: 96 Resp: 5619
Ion Ratio Lower Upper
96 100
61 153.3 129.8 194.6
98 58.2 49.9 74.9





#13
Acrolein
Concen: 14.816 ug/l
RT: 2.488 min Scan# 356
Delta R.T. 0.003 min
Lab File: VU052747.D
Acq: 19 Jan 2023 19:54

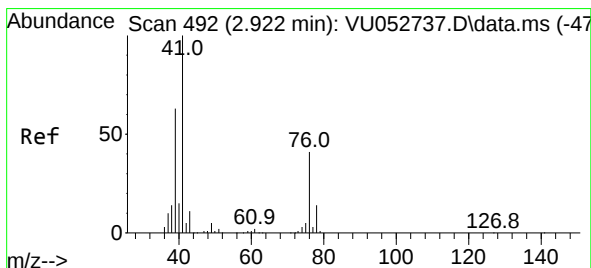
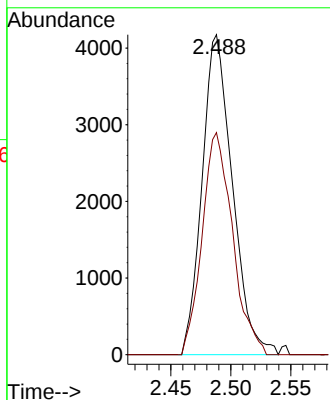
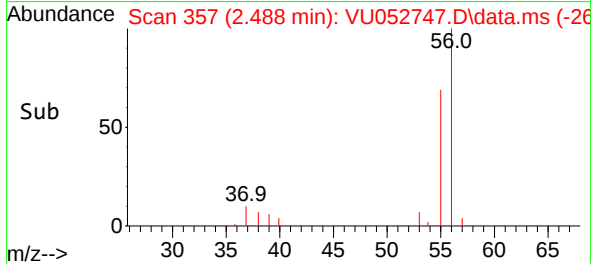
Instrument :
MSVOA_U
ClientSampleId :
MDL04



Tgt Ion: 56 Resp: 733
Ion Ratio Lower Upper
56 100
55 69.7 57.2 85.8

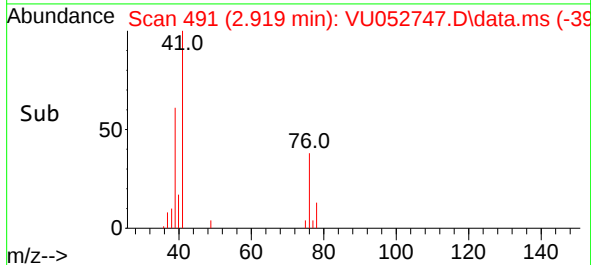
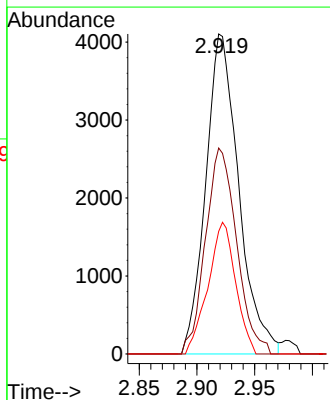
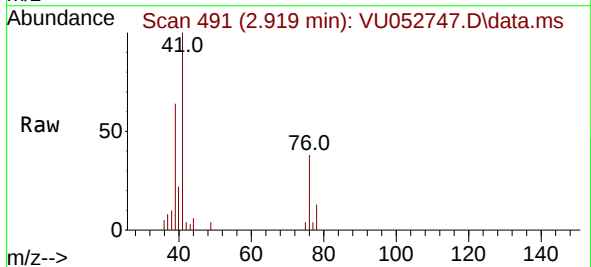
Manual Integrations
APPROVED

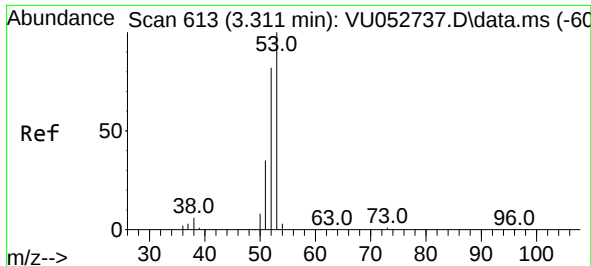
Reviewed By :John Carlone 01/20/2023
Supervised By :Mahesh Dadoda 01/20/2023



#14
Allyl chloride
Concen: 2.372 ug/l
RT: 2.919 min Scan# 491
Delta R.T. -0.003 min
Lab File: VU052747.D
Acq: 19 Jan 2023 19:54

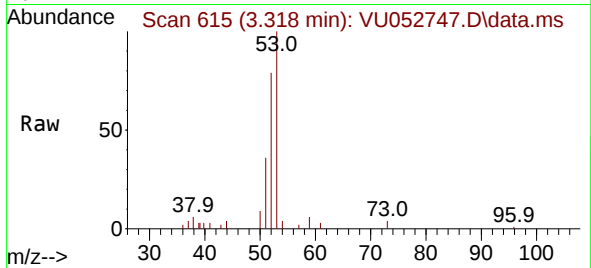
Tgt Ion: 41 Resp: 8156
Ion Ratio Lower Upper
41 100
39 60.8 48.2 72.2
76 34.3 29.4 44.0





#15
Acrylonitrile
Concen: 12.516 ug/l
RT: 3.318 min Scan# 613
Delta R.T. 0.007 min
Lab File: VU052747.D
Acq: 19 Jan 2023 19:54

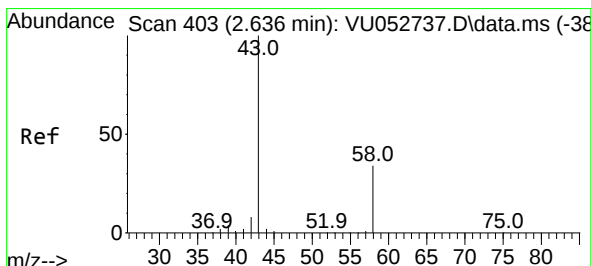
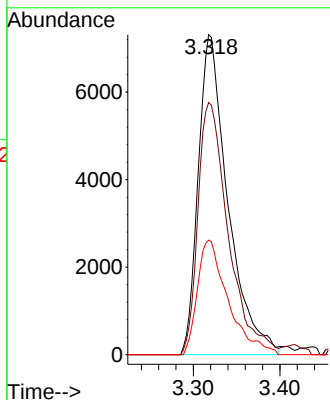
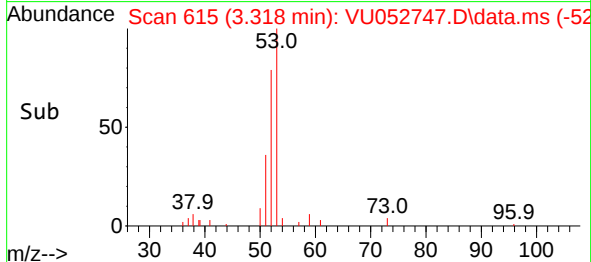
Instrument :
MSVOA_U
ClientSampleId :
MDL04



Tgt Ion: 53 Resp: 17394
Ion Ratio Lower Upper
53 100
52 80.7 64.9 97.3
51 37.1 27.6 41.4

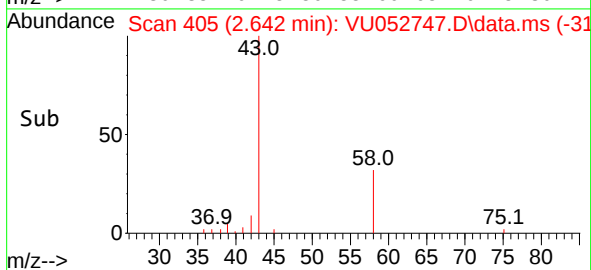
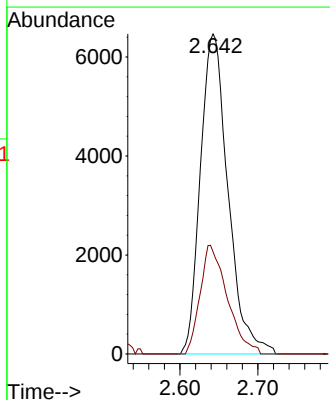
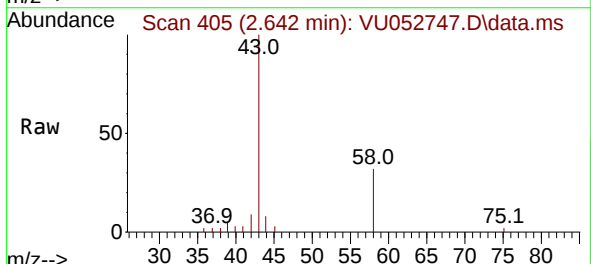
Manual Integrations
APPROVED

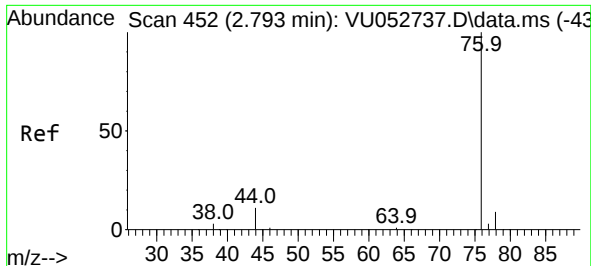
Reviewed By :John Carlone 01/20/2023
Supervised By :Mahesh Dadoda 01/20/2023



#16
Acetone
Concen: 11.299 ug/l
RT: 2.642 min Scan# 405
Delta R.T. 0.007 min
Lab File: VU052747.D
Acq: 19 Jan 2023 19:54

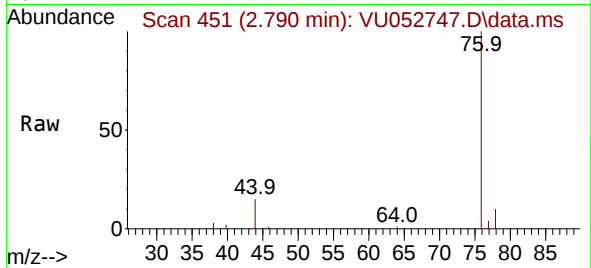
Tgt Ion: 43 Resp: 15918
Ion Ratio Lower Upper
43 100
58 31.9 27.1 40.7





#17
Carbon Disulfide
Concen: 2.598 ug/l
RT: 2.790 min Scan# 452
Delta R.T. -0.003 min
Lab File: VU052747.D
Acq: 19 Jan 2023 19:54

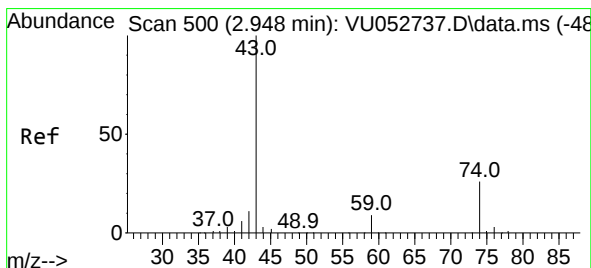
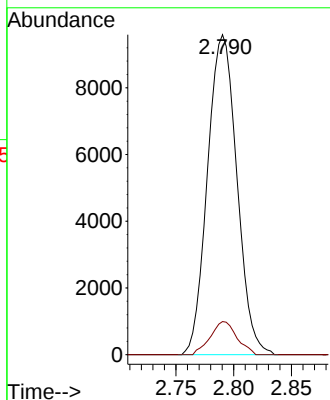
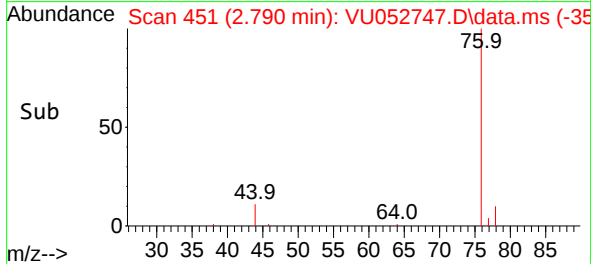
Instrument :
MSVOA_U
ClientSampleId :
MDL04



Tgt Ion: 76 Resp: 1699
Ion Ratio Lower Upper
76 100
78 10.3 7.4 11.2

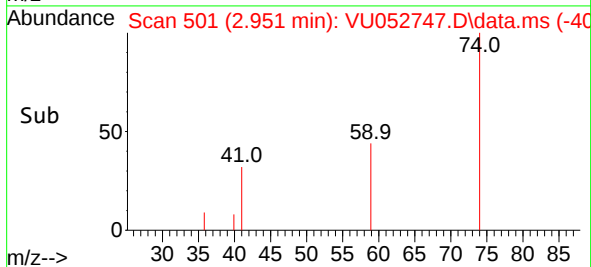
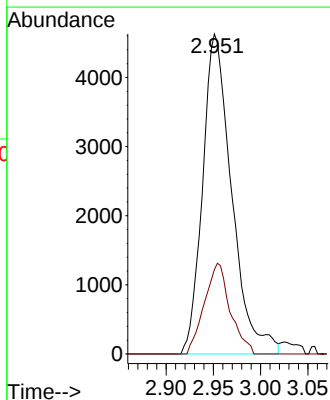
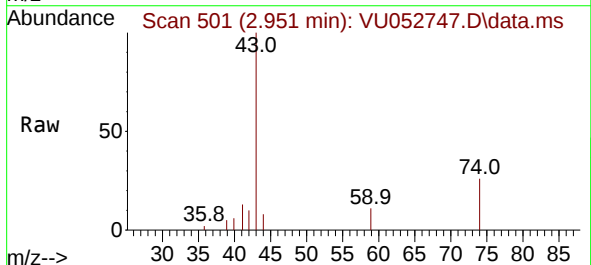
Manual Integrations
APPROVED

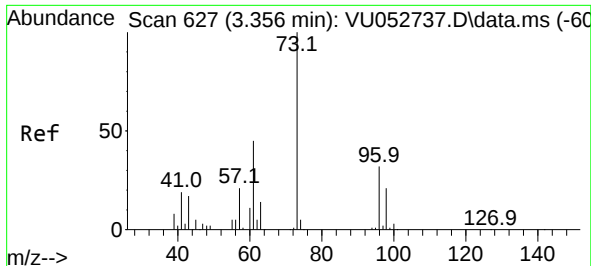
Reviewed By :John Carlone 01/20/2023
Supervised By :Mahesh Dadoda 01/20/2023



#18
Methyl Acetate
Concen: 2.541 ug/l
RT: 2.951 min Scan# 501
Delta R.T. 0.003 min
Lab File: VU052747.D
Acq: 19 Jan 2023 19:54

Tgt Ion: 43 Resp: 9906
Ion Ratio Lower Upper
43 100
74 25.1 21.1 31.7





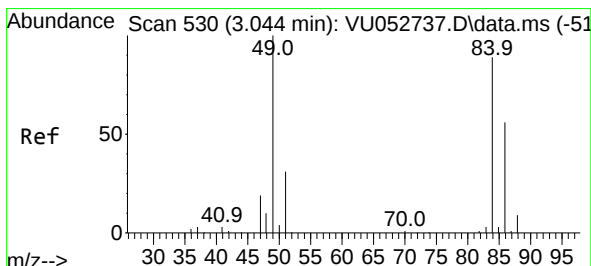
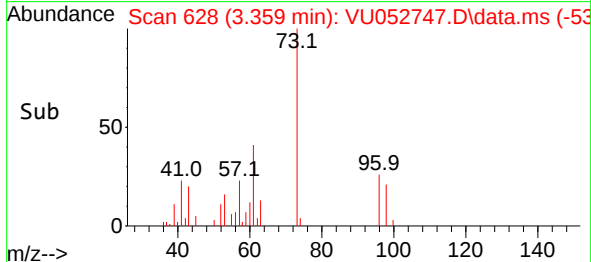
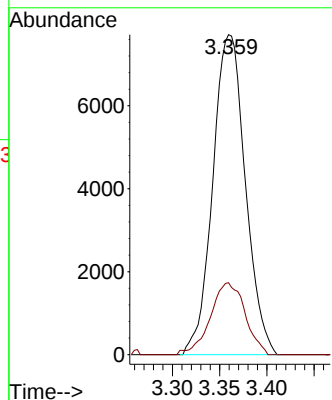
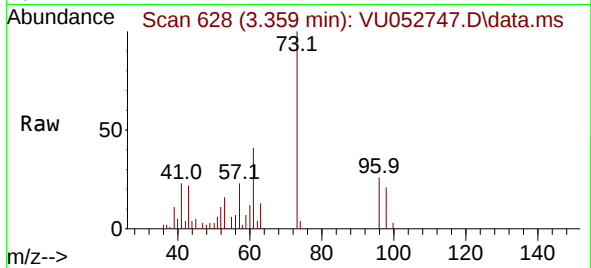
#19
Methyl tert-butyl Ether
Concen: 2.502 ug/l
RT: 3.359 min Scan# 61
Delta R.T. 0.003 min
Lab File: VU052747.D
Acq: 19 Jan 2023 19:54

Instrument :
MSVOA_U
ClientSampleId :
MDL04

Tgt Ion: 73 Resp: 18504
Ion Ratio Lower Upper
73 100
57 22.5 16.9 25.3

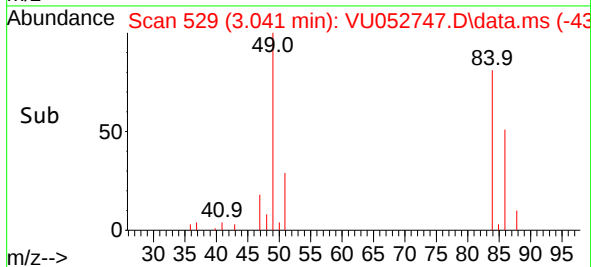
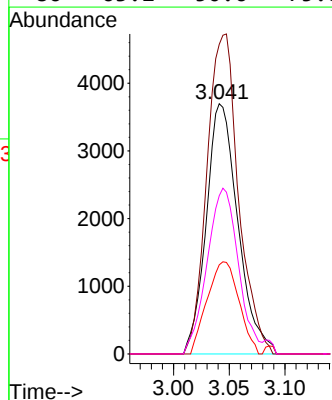
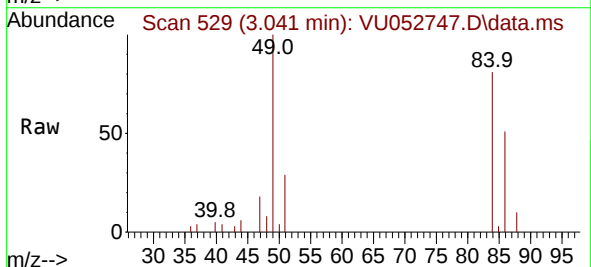
Manual Integrations
APPROVED

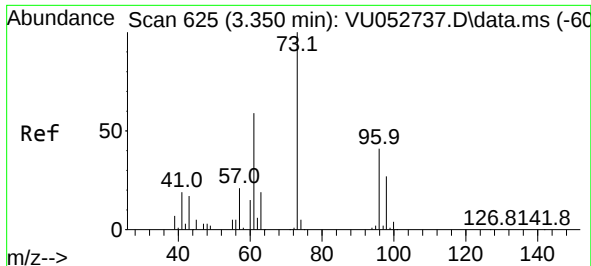
Reviewed By :John Carlone 01/20/2023
Supervised By :Mahesh Dadoda 01/20/2023



#20
Methylene Chloride
Concen: 2.308 ug/l
RT: 3.041 min Scan# 529
Delta R.T. -0.003 min
Lab File: VU052747.D
Acq: 19 Jan 2023 19:54

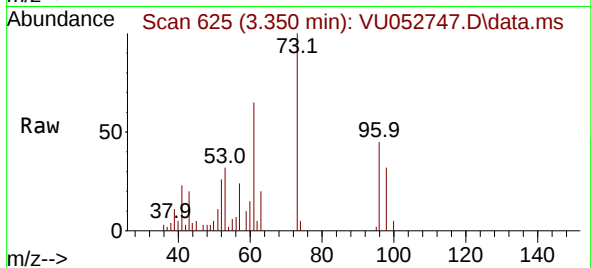
Tgt Ion: 84 Resp: 7318
Ion Ratio Lower Upper
84 100
49 123.7 90.2 135.4
51 35.6 28.1 42.1
86 63.2 50.6 75.8





#21
trans-1,2-Dichloroethene
Concen: 2.506 ug/l
RT: 3.350 min Scan# 611
Delta R.T. 0.000 min
Lab File: VU052747.D
Acq: 19 Jan 2023 19:54

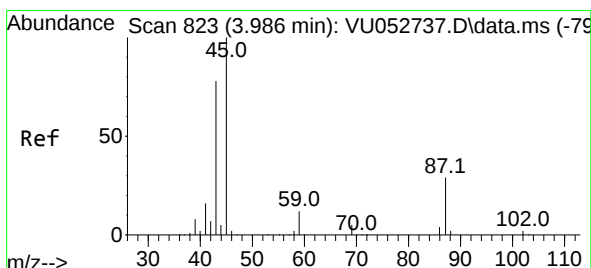
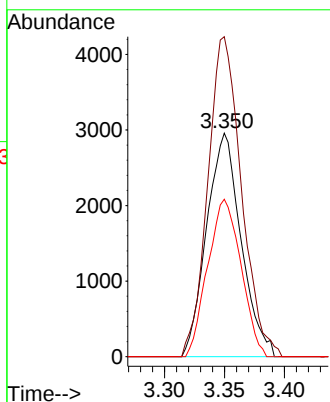
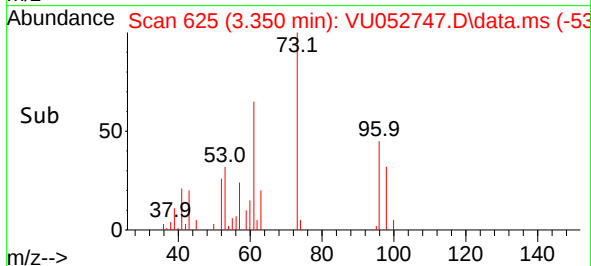
Instrument :
MSVOA_U
ClientSampleId :
MDL04



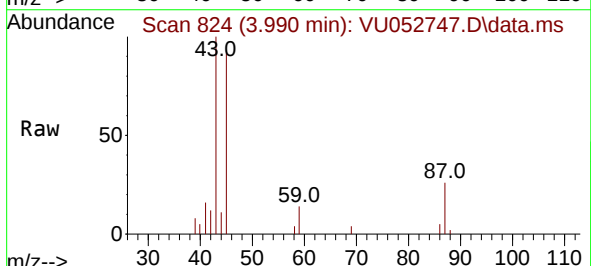
Tgt Ion: 96 Resp: 5898
Ion Ratio Lower Upper
96 100
61 143.1 114.7 172.1
98 70.4 52.4 78.6

Manual Integrations
APPROVED

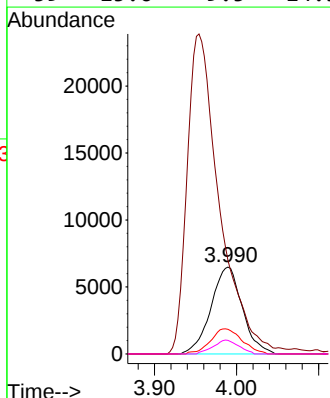
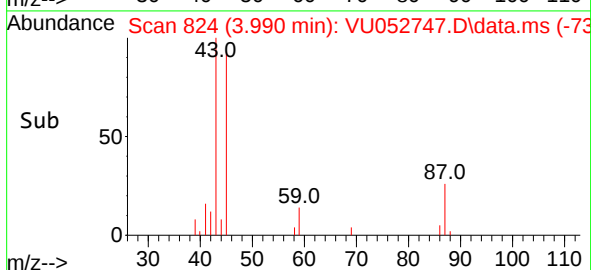
Reviewed By :John Carlone 01/20/2023
Supervised By :Mahesh Dadoda 01/20/2023

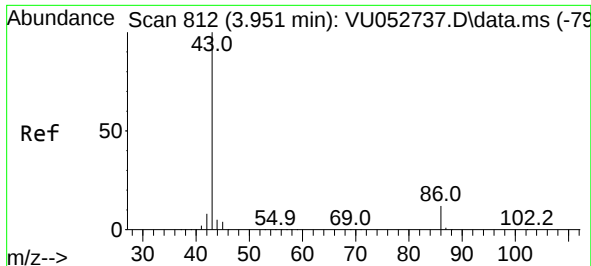


#22
Diisopropyl ether
Concen: 2.413 ug/l
RT: 3.990 min Scan# 824
Delta R.T. 0.003 min
Lab File: VU052747.D
Acq: 19 Jan 2023 19:54



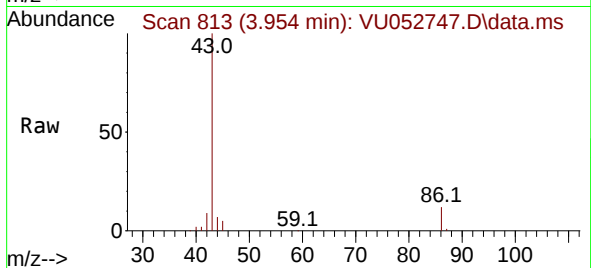
Tgt Ion: 45 Resp: 17253
Ion Ratio Lower Upper
45 100
43 100.7 64.6 97.0#
87 28.4 23.2 34.8
59 15.6 9.5 14.3#





#23
 Vinyl Acetate
 Concen: 11.948 ug/l
 RT: 3.954 min Scan# 812
 Delta R.T. 0.003 min
 Lab File: VU052747.D
 Acq: 19 Jan 2023 19:54

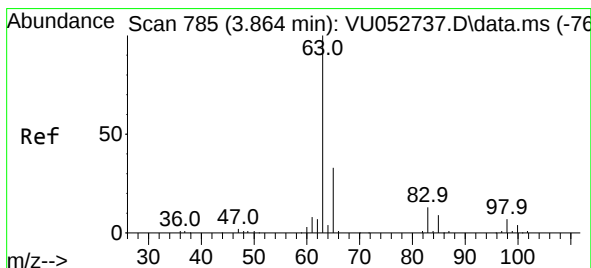
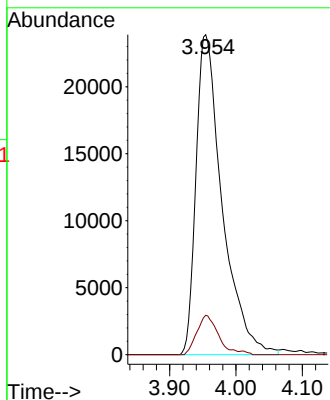
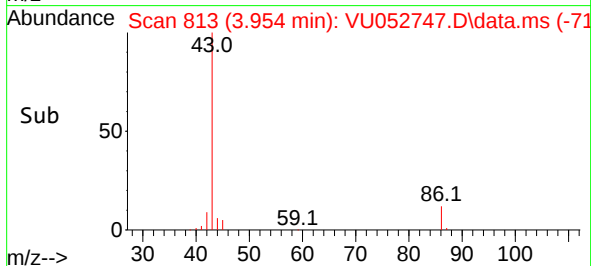
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL04



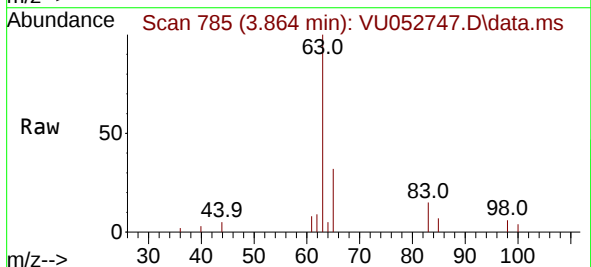
Tgt Ion: 43 Resp: 6555
 Ion Ratio Lower Upper
 43 100
 86 12.3 9.4 14.0

Manual Integrations
 APPROVED

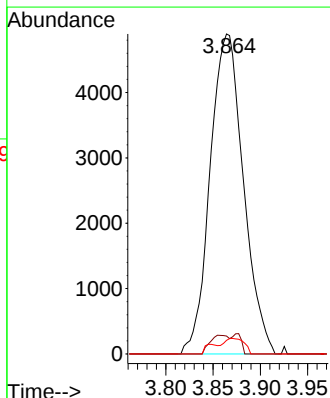
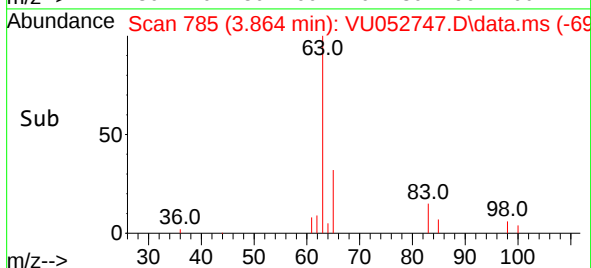
Reviewed By :John Carlone 01/20/2023
 Supervised By :Mahesh Dadoda 01/20/2023

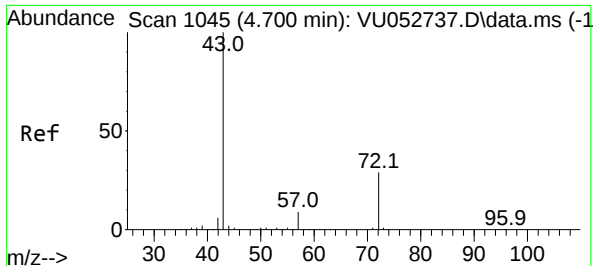


#24
 1,1-Dichloroethane
 Concen: 2.645 ug/l
 RT: 3.864 min Scan# 785
 Delta R.T. 0.000 min
 Lab File: VU052747.D
 Acq: 19 Jan 2023 19:54



Tgt Ion: 63 Resp: 11998
 Ion Ratio Lower Upper
 63 100
 98 5.6 3.6 10.9
 100 4.2 2.2 6.6





#25

2-Butanone

Concen: 11.895 ug/l

RT: 4.713 min Scan# 1049

Delta R.T. 0.013 min

Lab File: VU052747.D

Acq: 19 Jan 2023 19:54

Instrument :

MSVOA_U

ClientSampleId :

MDL04

Tgt Ion: 43 Resp: 2161

Ion Ratio Lower Upper

43 100

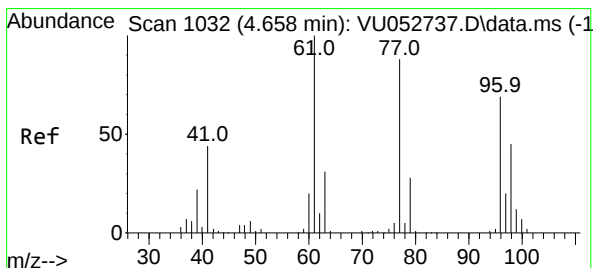
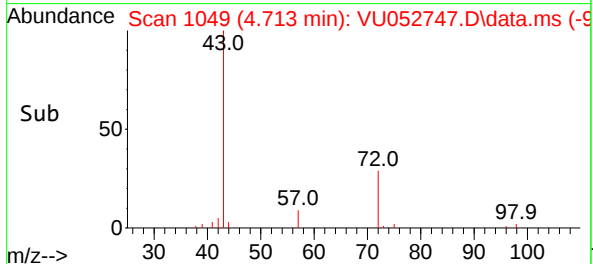
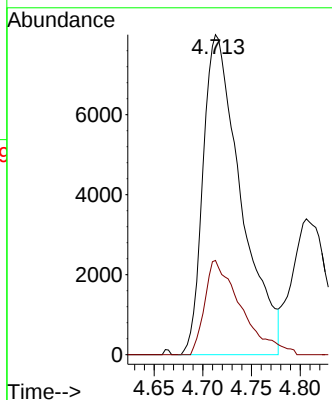
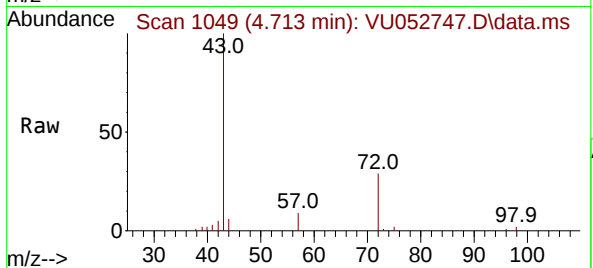
72 29.5 23.3 34.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/20/2023

Supervised By :Mahesh Dadoda 01/20/2023



#26

2,2-Dichloropropane

Concen: 2.423 ug/l

RT: 4.662 min Scan# 1033

Delta R.T. 0.003 min

Lab File: VU052747.D

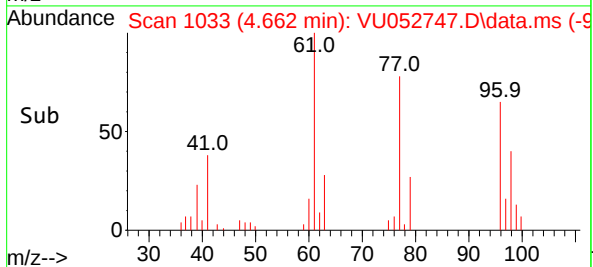
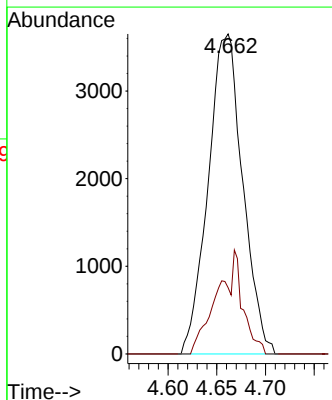
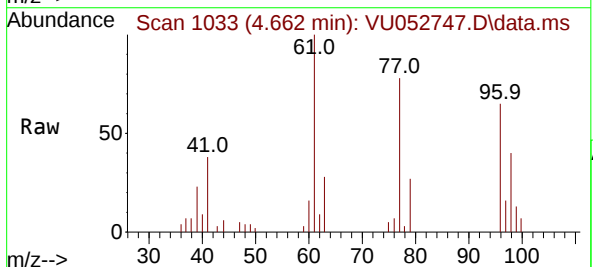
Acq: 19 Jan 2023 19:54

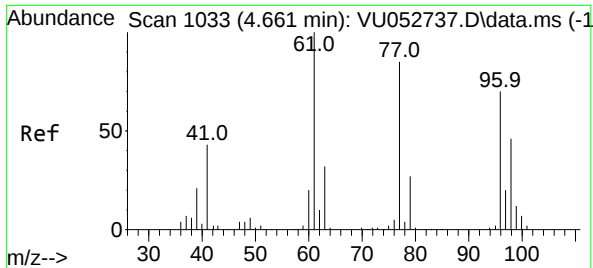
Tgt Ion: 77 Resp: 9016

Ion Ratio Lower Upper

77 100

97 9.7 11.3 33.8#





#27

cis-1,2-Dichloroethene

Concen: 2.636 ug/l

RT: 4.662 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VU052747.D

Acq: 19 Jan 2023 19:54

Instrument :

MSVOA_U

ClientSampleId :

MDL04

Tgt Ion: 96 Resp: 681

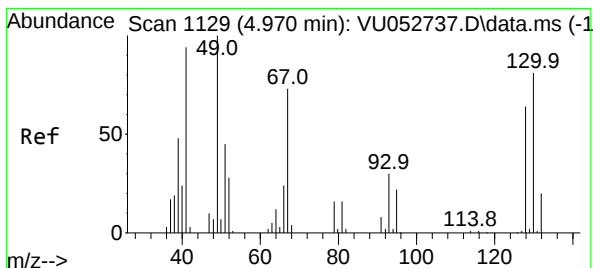
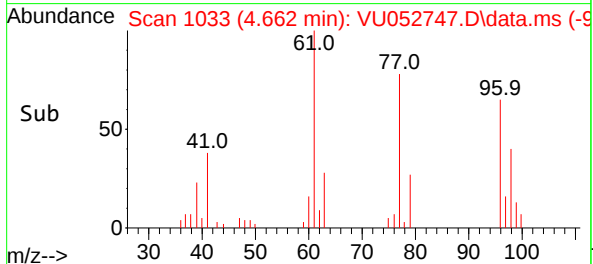
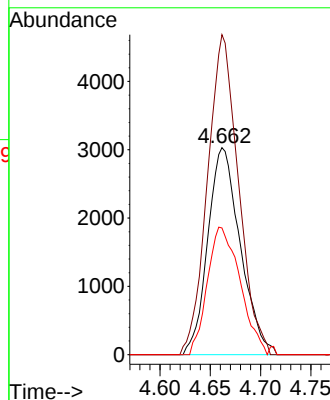
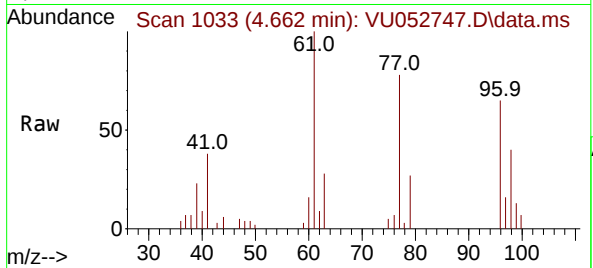
Ion	Ratio	Lower	Upper
96	100		
61	147.0	0.0	287.2
98	61.8	0.0	128.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/20/2023

Supervised By :Mahesh Dadoda 01/20/2023



#28

Bromochloromethane

Concen: 2.469 ug/l

RT: 4.973 min Scan# 1130

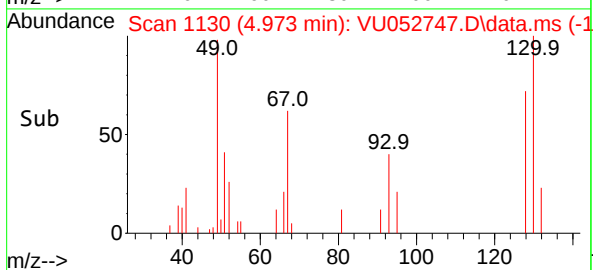
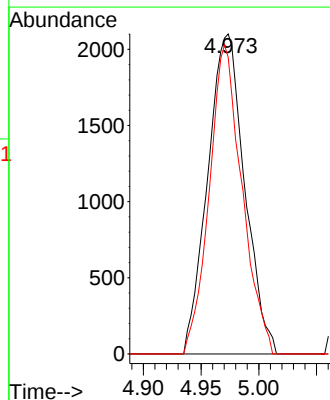
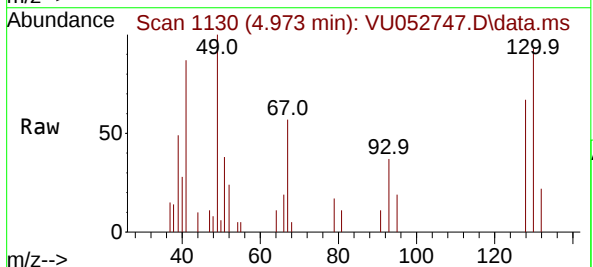
Delta R.T. 0.003 min

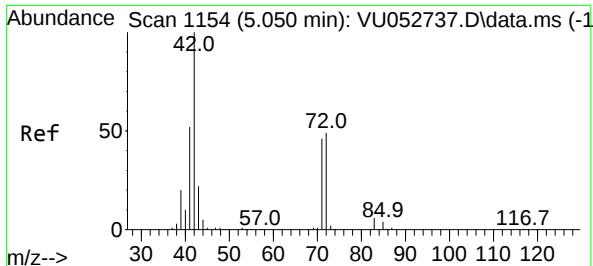
Lab File: VU052747.D

Acq: 19 Jan 2023 19:54

Tgt Ion: 49 Resp: 4675

Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.6
130	85.5	65.5	98.3





#29

Tetrahydrofuran

Concen: 12.451 ug/l

RT: 5.060 min Scan# 1154

Delta R.T. 0.010 min

Lab File: VU052747.D

Acq: 19 Jan 2023 19:54

Instrument :

MSVOA_U

ClientSampleId :

MDL04

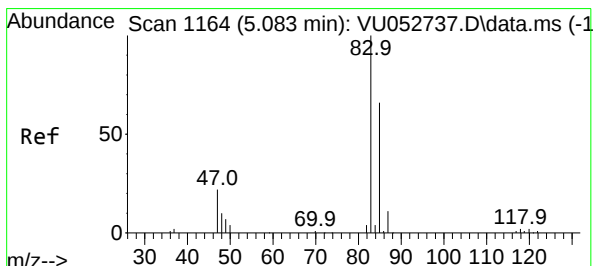
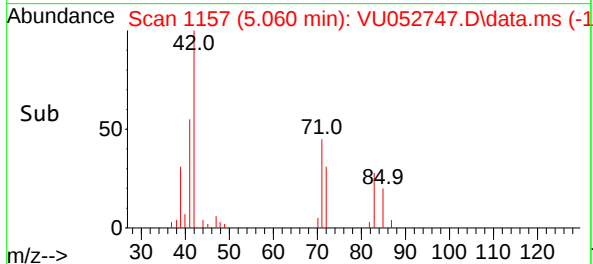
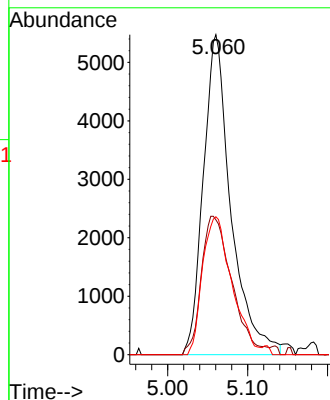
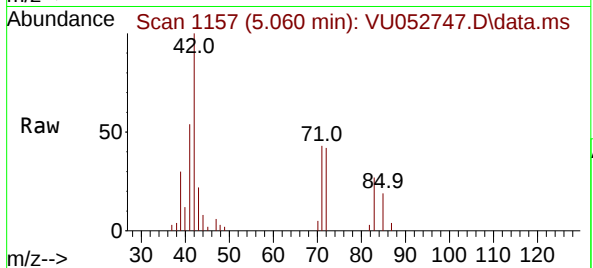
Tgt Ion:	42	Resp:	1313
Ion Ratio	Lower	Upper	
42	100		
72	48.0	40.5	60.7
71	46.0	37.4	56.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/20/2023

Supervised By :Mahesh Dadoda 01/20/2023



#30

Chloroform

Concen: 2.469 ug/l

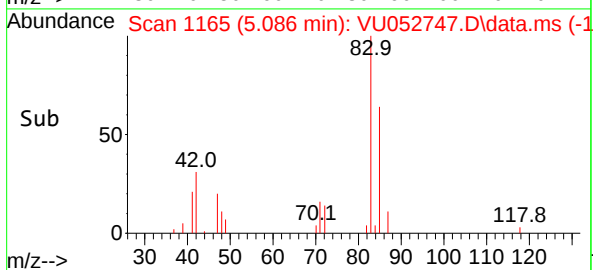
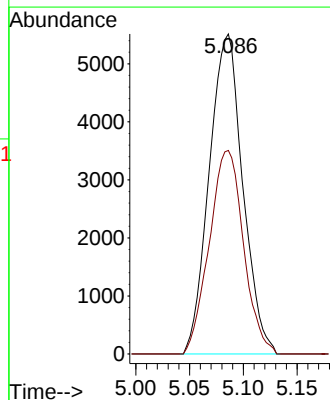
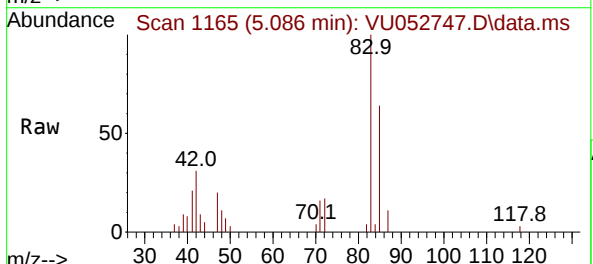
RT: 5.086 min Scan# 1165

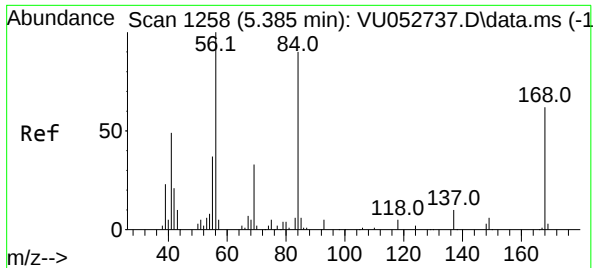
Delta R.T. 0.003 min

Lab File: VU052747.D

Acq: 19 Jan 2023 19:54

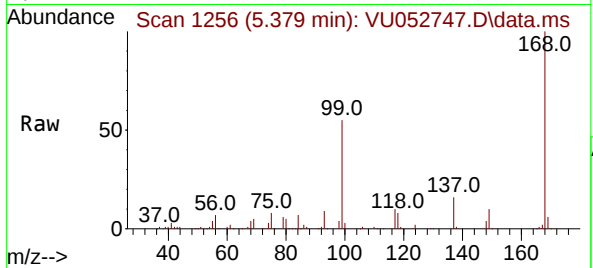
Tgt Ion:	83	Resp:	11973
Ion Ratio	Lower	Upper	
83	100		
85	63.6	52.6	79.0





#31
Cyclohexane
Concen: 3.251 ug/l
RT: 5.379 min Scan# 1256
Delta R.T. -0.006 min
Lab File: VU052747.D
Acq: 19 Jan 2023 19:54

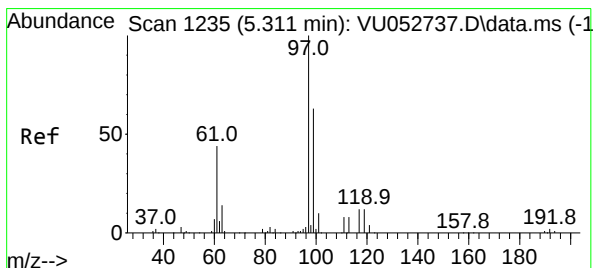
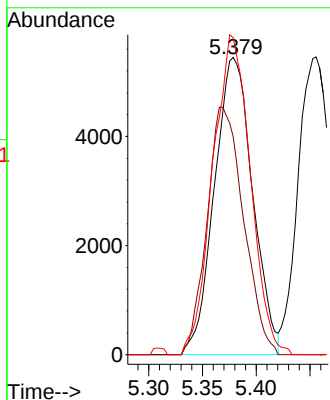
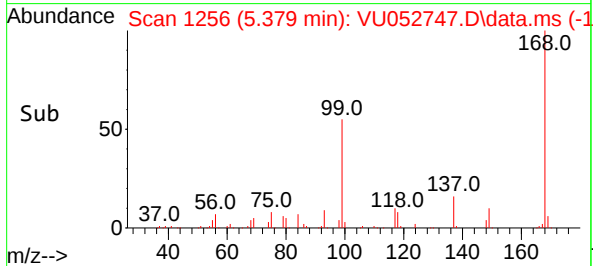
Instrument :
MSVOA_U
ClientSampleId :
MDL04



Tgt Ion: 56 Resp: 1346
Ion Ratio Lower Upper
56 100
69 73.2 26.2 39.2
84 106.6 72.2 108.4

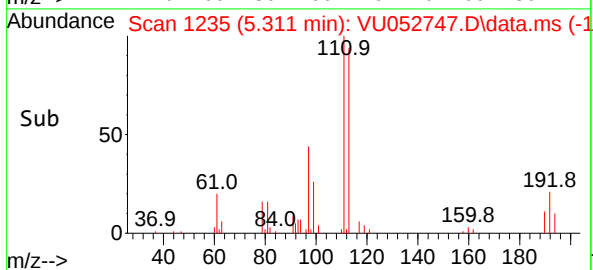
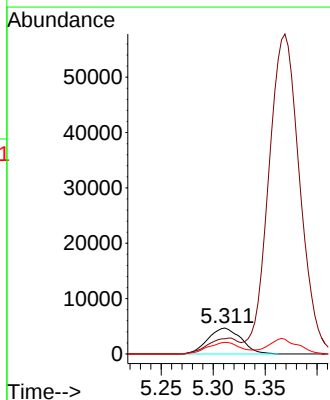
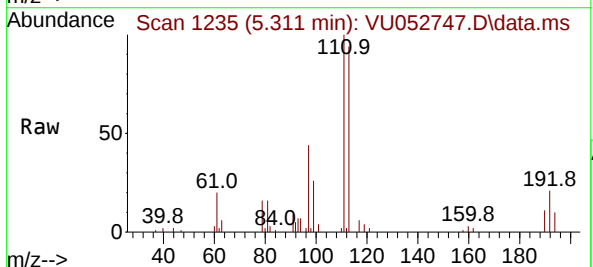
Manual Integrations
APPROVED

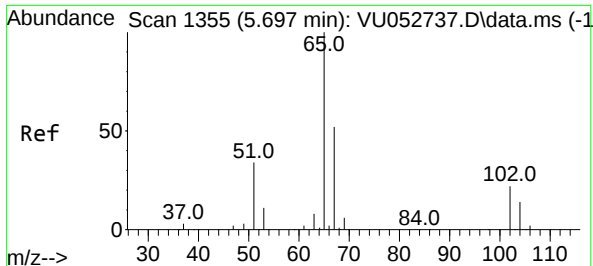
Reviewed By :John Carlone 01/20/2023
Supervised By :Mahesh Dadoda 01/20/2023



#32
1,1,1-Trichloroethane
Concen: 2.622 ug/l
RT: 5.311 min Scan# 1235
Delta R.T. 0.000 min
Lab File: VU052747.D
Acq: 19 Jan 2023 19:54

Tgt Ion: 97 Resp: 10412
Ion Ratio Lower Upper
97 100
99 56.7 50.5 75.7
61 45.1 35.1 52.7





#33

1,2-Dichloroethane-d4

Concen: 53.194 ug/l

RT: 5.697 min Scan# 1355

Delta R.T. 0.000 min

Lab File: VU052747.D

Acq: 19 Jan 2023 19:54

Instrument :

MSVOA_U

ClientSampleId :

MDL04

Tgt Ion: 65 Resp: 15724

Ion Ratio Lower Upper

65 100

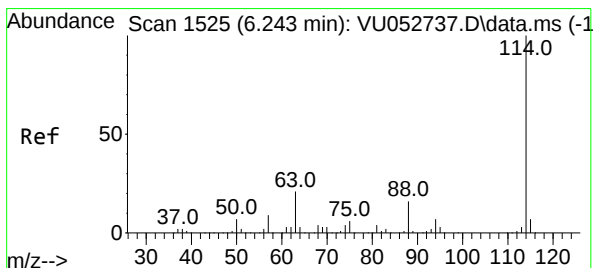
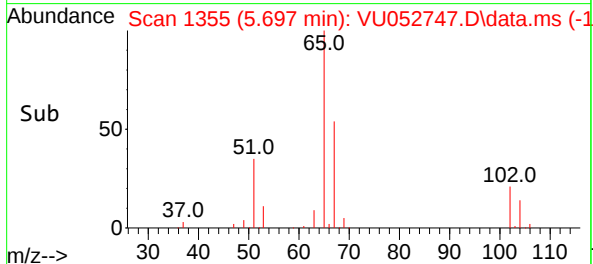
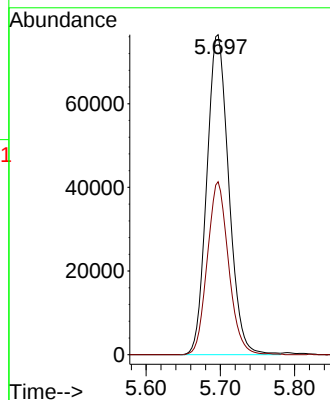
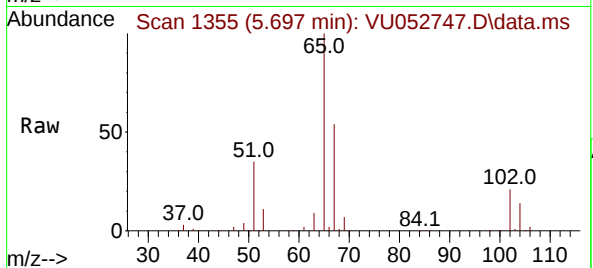
67 52.2 0.0 105.6

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: VU052747.D

Acq: 19 Jan 2023 19:54

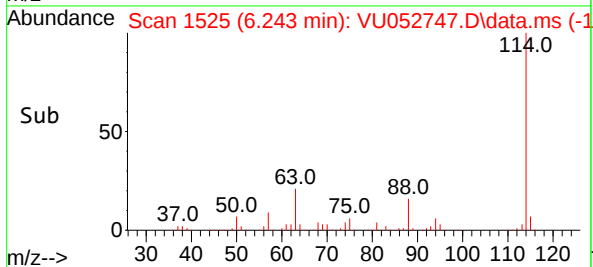
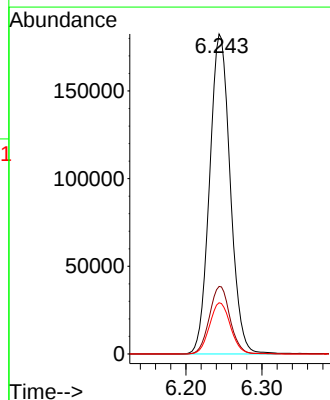
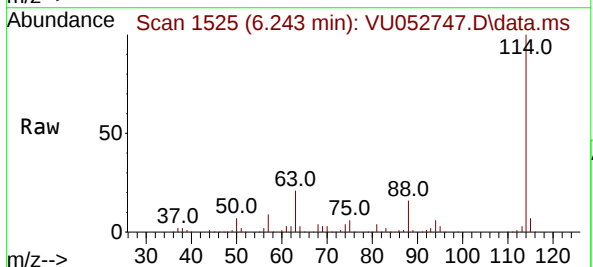
Tgt Ion:114 Resp: 343482

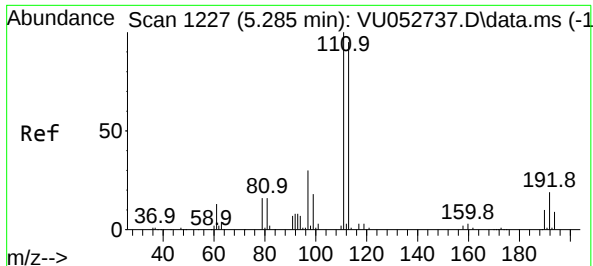
Ion Ratio Lower Upper

114 100

63 21.1 0.0 42.4

88 16.0 0.0 32.8





#35

Dibromofluoromethane

Concen: 50.499 ug/l

RT: 5.282 min Scan# 1226

Delta R.T. -0.003 min

Lab File: VU052747.D

Acq: 19 Jan 2023 19:54

Instrument :

MSVOA_U

ClientSampleId :

MDL04

Tgt Ion:113 Resp: 120779

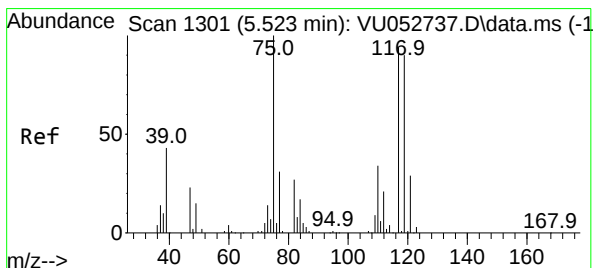
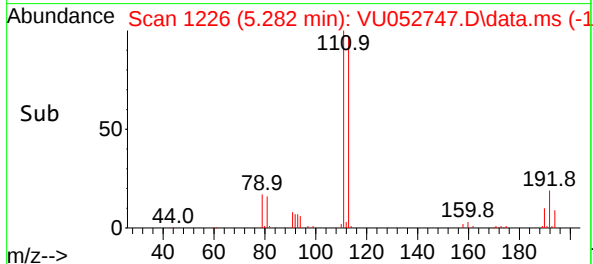
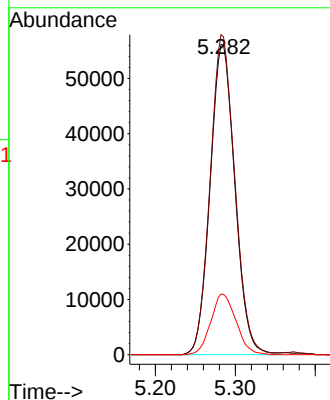
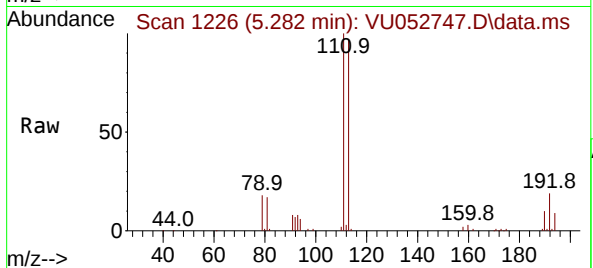
Ion	Ratio	Lower	Upper
113	100		
111	102.7	81.2	121.8
192	19.9	15.7	23.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/20/2023

Supervised By :Mahesh Dadoda 01/20/2023



#36

1,1-Dichloropropene

Concen: 2.591 ug/l

RT: 5.523 min Scan# 1301

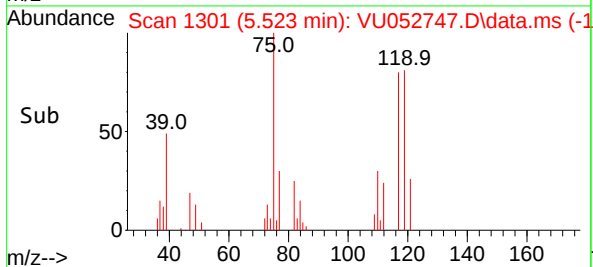
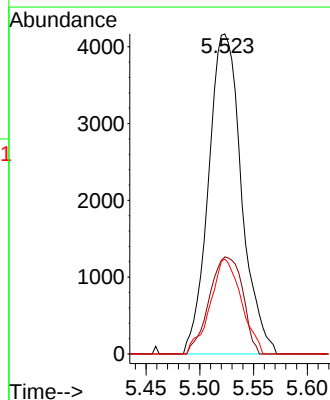
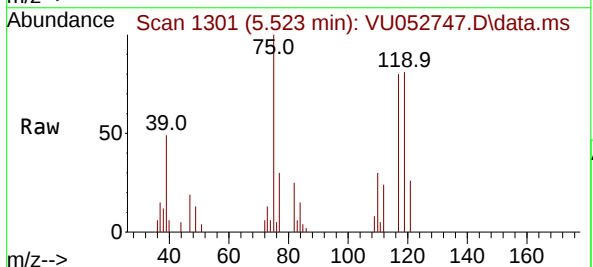
Delta R.T. 0.000 min

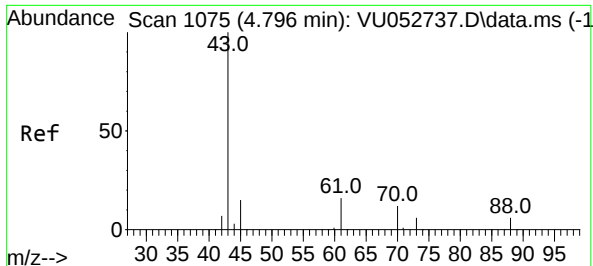
Lab File: VU052747.D

Acq: 19 Jan 2023 19:54

Tgt Ion: 75 Resp: 8890

Ion	Ratio	Lower	Upper
75	100		
110	30.7	17.1	51.2
77	28.0	25.0	37.4





#37

Ethyl Acetate

Concen: 2.506 ug/l m

RT: 4.806 min Scan# 1075

Delta R.T. 0.010 min

Lab File: VU052747.D

Acq: 19 Jan 2023 19:54

Instrument :

MSVOA_U

ClientSampleId :

MDL04

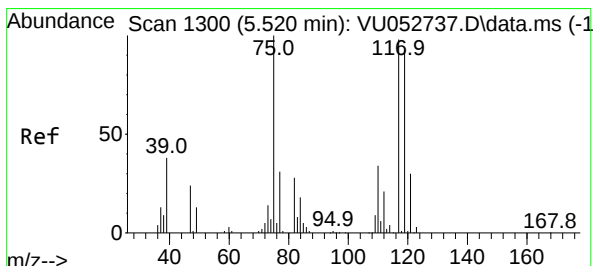
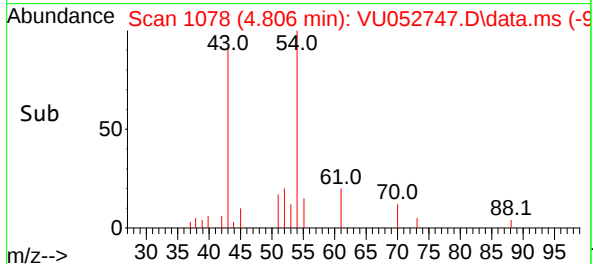
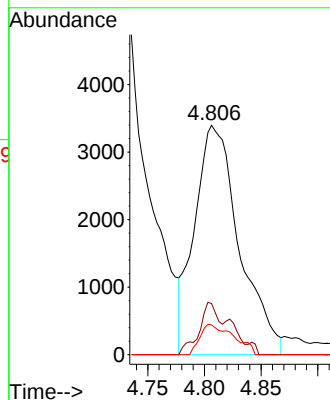
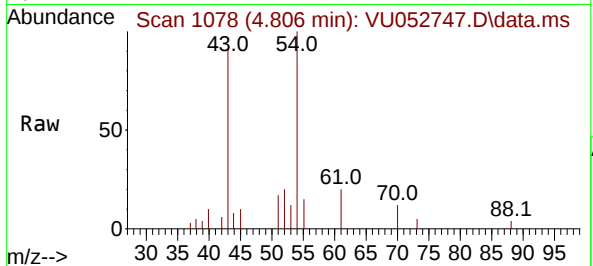
Tgt Ion:	43	Resp:	9350
Ion	Ratio	Lower	Upper
43	100		
61	10.3	12.2	18.4
70	9.9	8.9	13.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/20/2023

Supervised By :Mahesh Dadoda 01/20/2023



#38

Carbon Tetrachloride

Concen: 2.199 ug/l

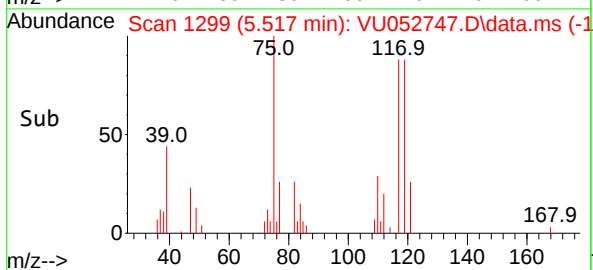
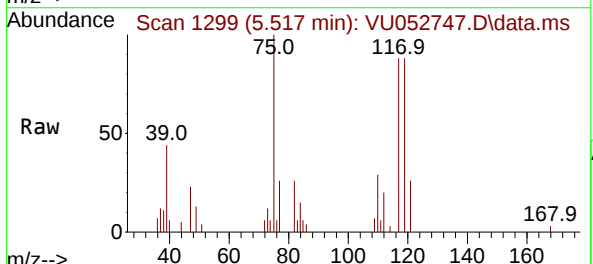
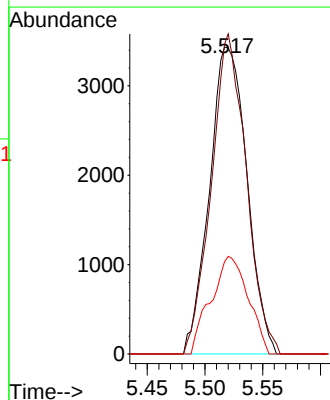
RT: 5.517 min Scan# 1299

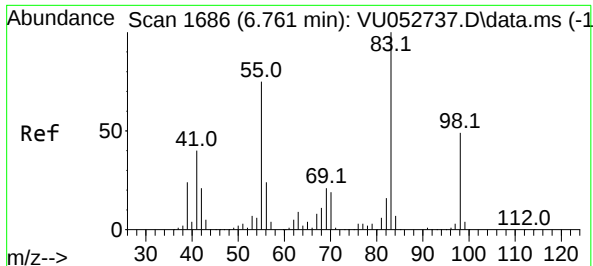
Delta R.T. -0.003 min

Lab File: VU052747.D

Acq: 19 Jan 2023 19:54

Tgt Ion:	117	Resp:	7763
Ion	Ratio	Lower	Upper
117	100		
119	100.9	75.6	113.4
121	30.1	24.2	36.4





#39

Methylcyclohexane

Concen: 2.376 ug/l

RT: 6.758 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU052747.D

Acq: 19 Jan 2023 19:54

Instrument :

MSVOA_U

ClientSampleId :

MDL04

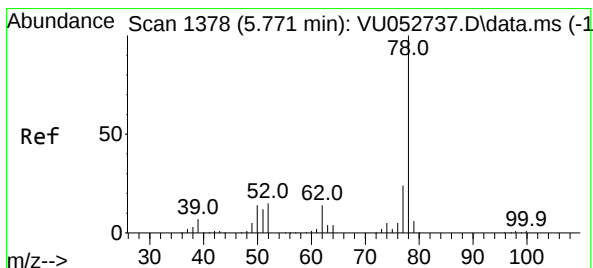
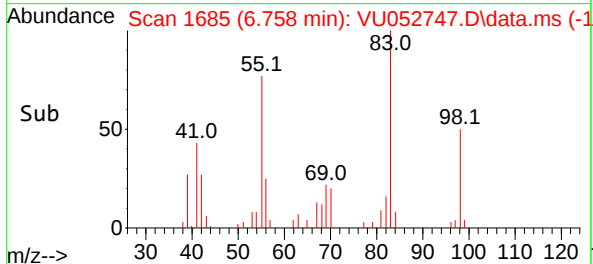
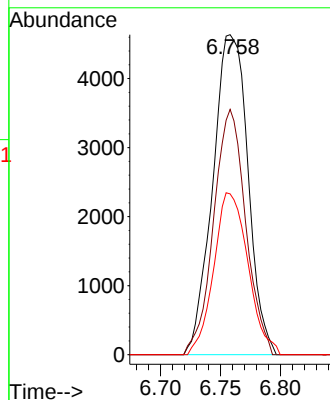
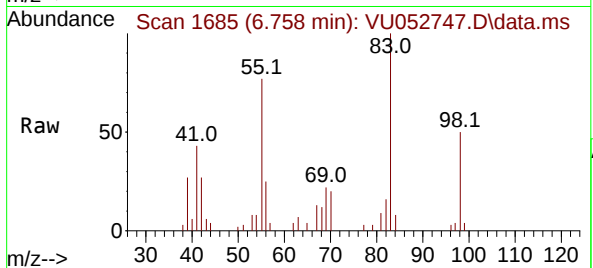
Tgt Ion: 83	Resp: 948
Ion Ratio	Lower Upper
83	100
55	76.6 60.4 90.6
98	50.2 38.9 58.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/20/2023

Supervised By :Mahesh Dadoda 01/20/2023



#40

Benzene

Concen: 2.469 ug/l

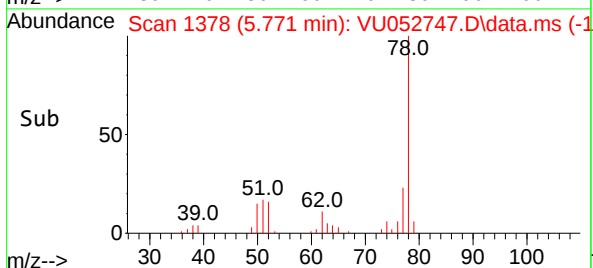
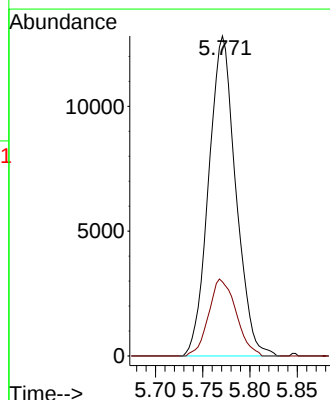
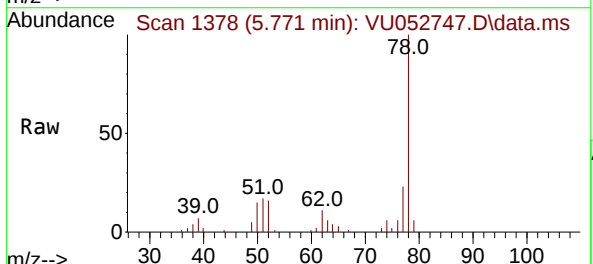
RT: 5.771 min Scan# 1378

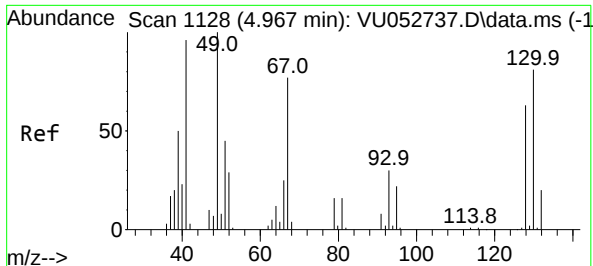
Delta R.T. 0.000 min

Lab File: VU052747.D

Acq: 19 Jan 2023 19:54

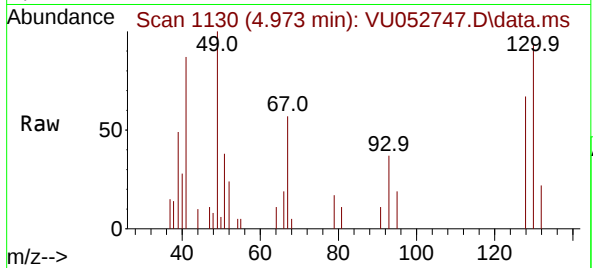
Tgt Ion: 78	Resp: 25587
Ion Ratio	Lower Upper
78	100
77	23.1 18.9 28.3





#41
Methacrylonitrile
Concen: 2.305 ug/l
RT: 4.973 min Scan# 1128
Delta R.T. 0.007 min
Lab File: VU052747.D
Acq: 19 Jan 2023 19:54

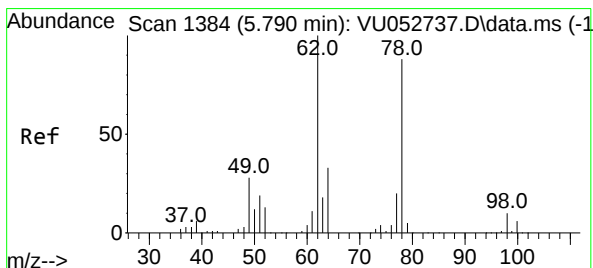
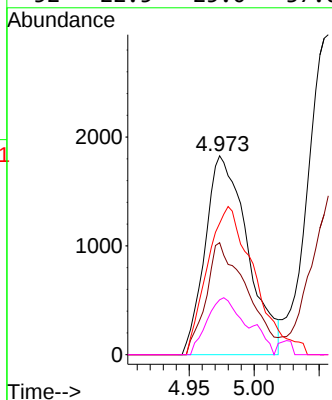
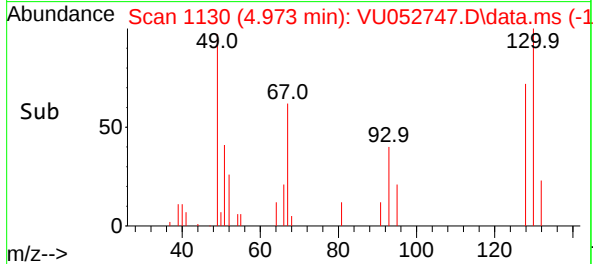
Instrument :
MSVOA_U
ClientSampleId :
MDL04



Tgt Ion: 41 Resp: 4160
Ion Ratio Lower Upper
41 100
39 54.6 42.2 63.2
67 82.5 65.0 97.6
52 22.5 25.0 37.6#

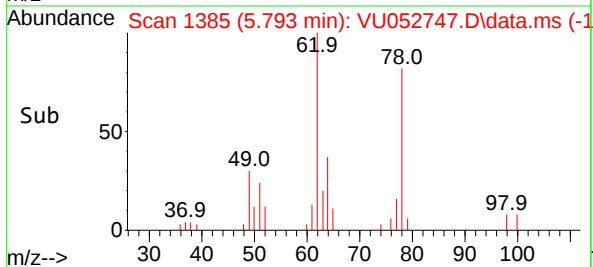
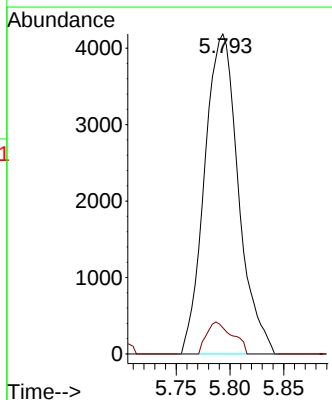
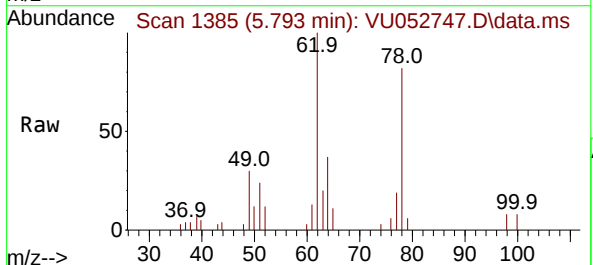
Manual Integrations
APPROVED

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



#42
1,2-Dichloroethane
Concen: 2.446 ug/l
RT: 5.793 min Scan# 1385
Delta R.T. 0.003 min
Lab File: VU052747.D
Acq: 19 Jan 2023 19:54

Tgt Ion: 62 Resp: 9151
Ion Ratio Lower Upper
62 100
98 7.6 0.0 19.0





#43

Isopropyl Acetate

Concen: 2.516 ug/l

RT: 5.912 min Scan# 1420

Delta R.T. 0.007 min

Lab File: VU052747.D

Acq: 19 Jan 2023 19:54

Instrument :

MSVOA_U

ClientSampleId :

MDL04

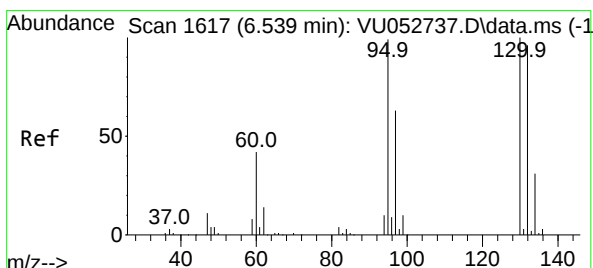
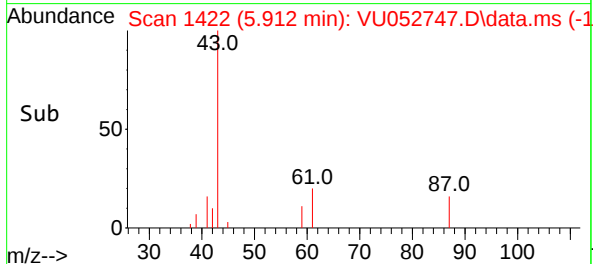
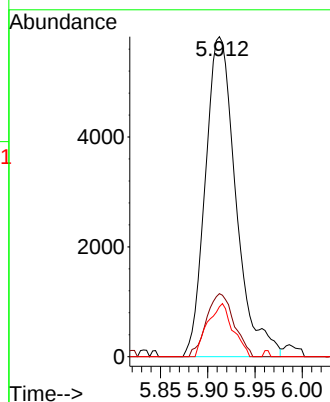
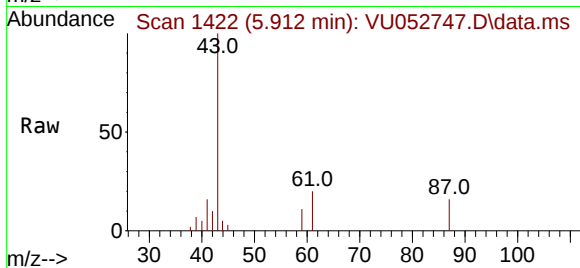
Tgt Ion: 43	Resp: 1308
Ion Ratio	Lower Upper
43	100
61	17.8 18.1 27.1
87	13.7 11.7 17.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/20/2023

Supervised By :Mahesh Dadoda 01/20/2023



#44

Trichloroethene

Concen: 2.563 ug/l

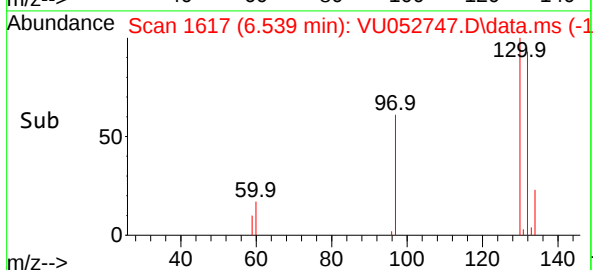
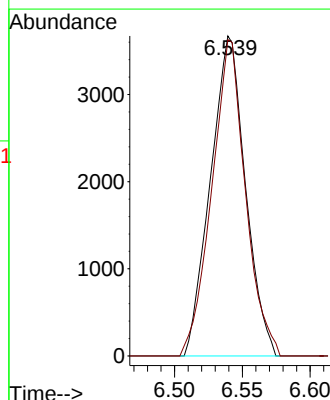
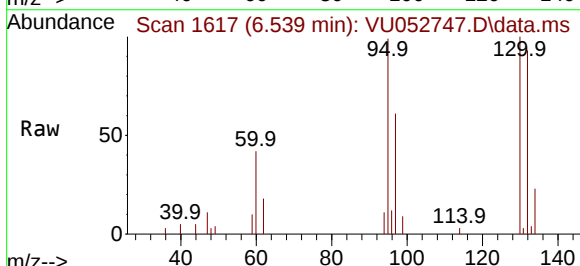
RT: 6.539 min Scan# 1617

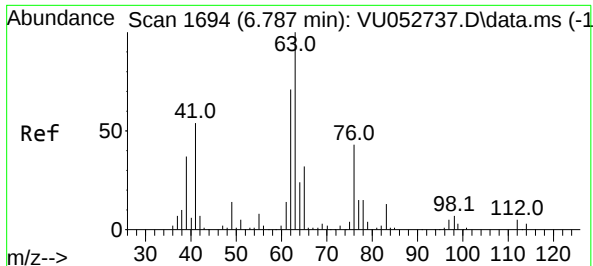
Delta R.T. 0.000 min

Lab File: VU052747.D

Acq: 19 Jan 2023 19:54

Tgt Ion:130	Resp: 6569
Ion Ratio	Lower Upper
130	100
95	98.9 0.0 198.2





#45

1,2-Dichloropropane

Concen: 2.431 ug/l

RT: 6.790 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU052747.D

Acq: 19 Jan 2023 19:54

Instrument :

MSVOA_U

ClientSampleId :

MDL04

Tgt Ion: 63 Resp: 6490

Ion Ratio Lower Upper

63 100

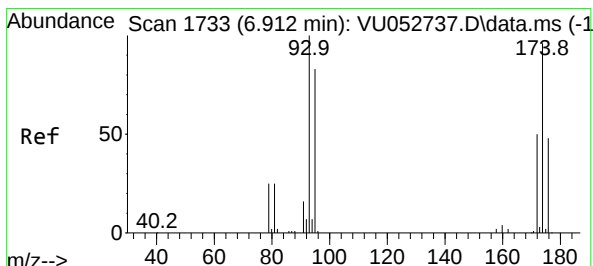
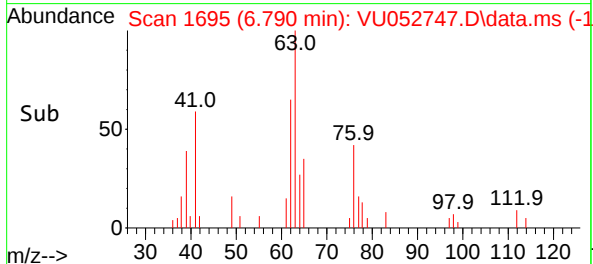
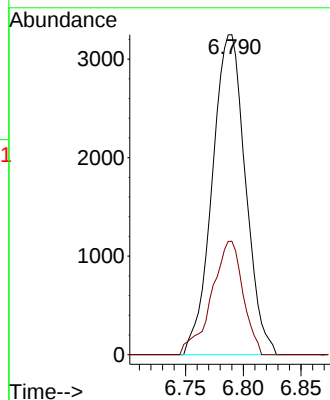
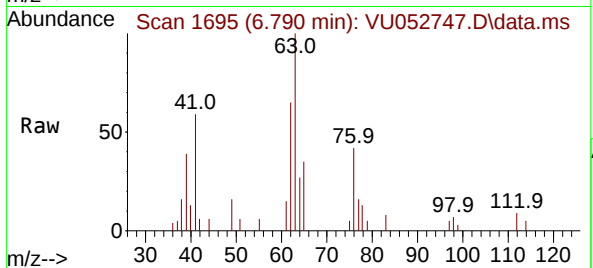
65 35.4 26.0 39.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/20/2023

Supervised By :Mahesh Dadoda 01/20/2023



#46

Dibromomethane

Concen: 2.335 ug/l

RT: 6.915 min Scan# 1734

Delta R.T. 0.003 min

Lab File: VU052747.D

Acq: 19 Jan 2023 19:54

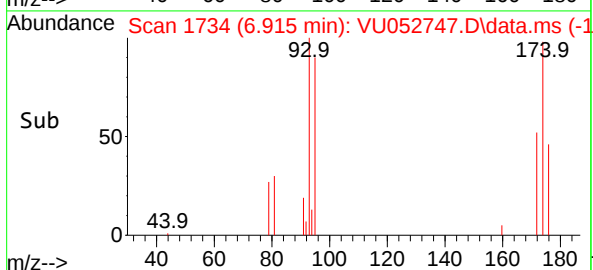
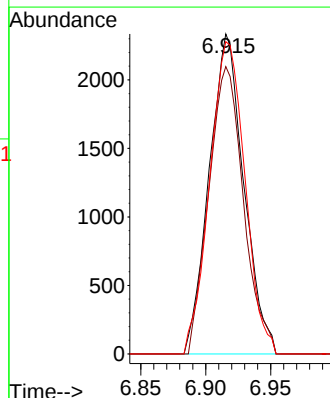
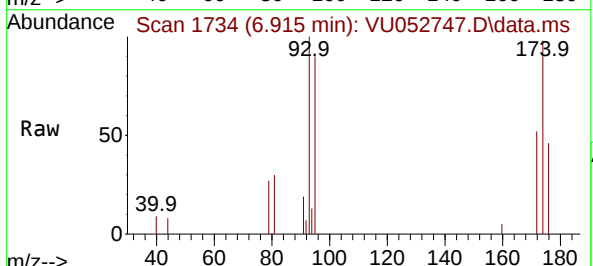
Tgt Ion: 93 Resp: 4321

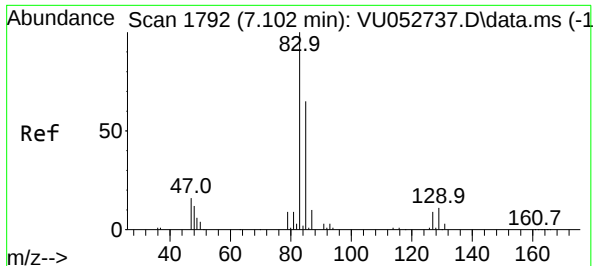
Ion Ratio Lower Upper

93 100

95 90.1 66.6 99.8

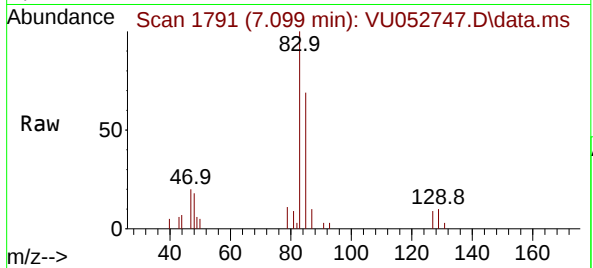
174 99.4 78.6 117.8





#47
Bromodichloromethane
Concen: 2.342 ug/l
RT: 7.099 min Scan# 1792
Delta R.T. -0.003 min
Lab File: VU052747.D
Acq: 19 Jan 2023 19:54

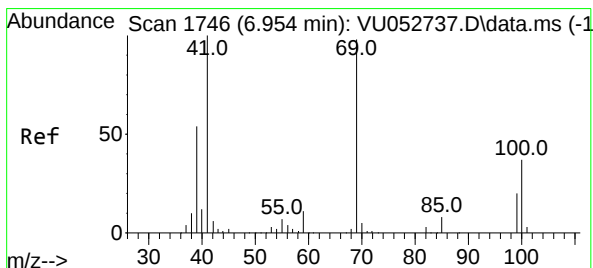
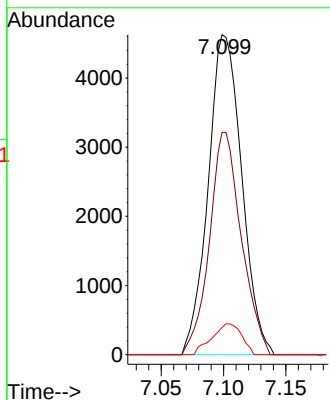
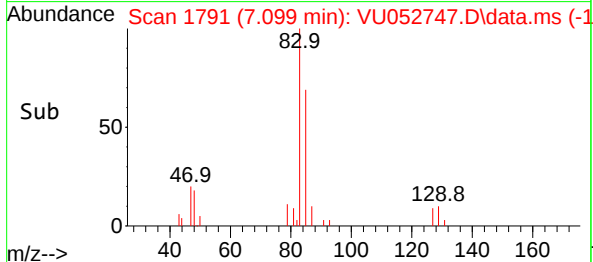
Instrument :
MSVOA_U
ClientSampleId :
MDL04



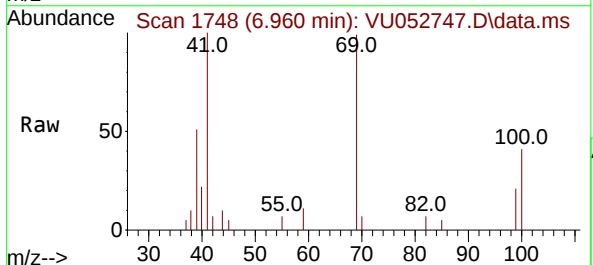
Tgt Ion: 83 Resp: 8674
Ion Ratio Lower Upper
83 100
85 69.5 51.6 77.4
127 8.5 6.9 10.3

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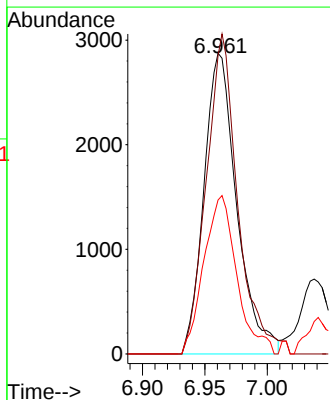
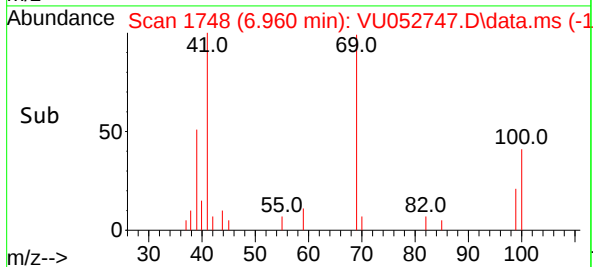
Reviewed By :John Carlone 01/20/2023
Supervised By :Mahesh Dadoda 01/20/2023

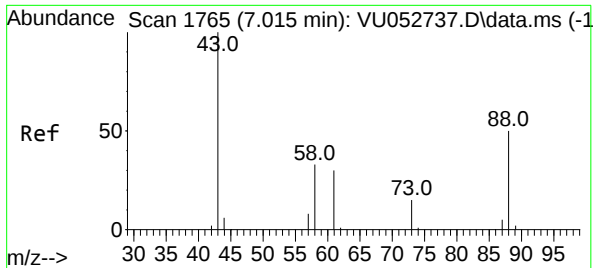


#48
Methyl methacrylate
Concen: 2.224 ug/l
RT: 6.960 min Scan# 1748
Delta R.T. 0.006 min
Lab File: VU052747.D
Acq: 19 Jan 2023 19:54



Tgt Ion: 41 Resp: 5269
Ion Ratio Lower Upper
41 100
69 101.8 77.2 115.8
39 52.9 42.9 64.3





#49

1,4-Dioxane

Concen: 52.710 ug/l m

RT: 7.044 min Scan# 1

Delta R.T. 0.029 min

Lab File: VU052747.D

Acq: 19 Jan 2023 19:54

Instrument :

MSVOA_U

ClientSampleId :

MDL04

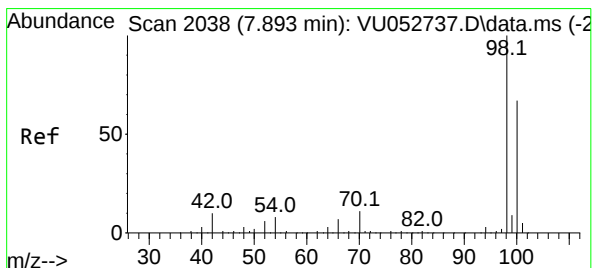
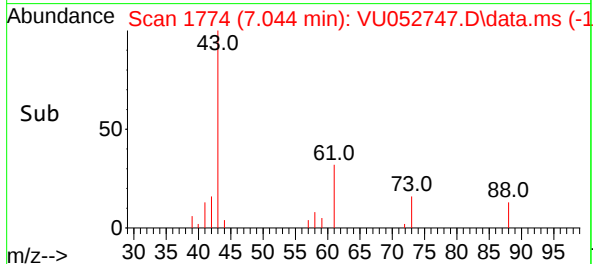
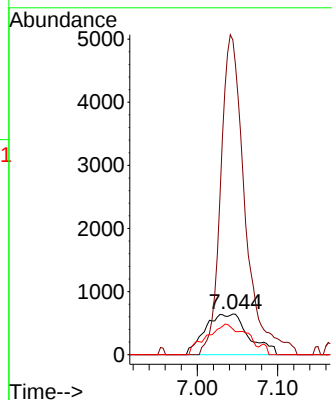
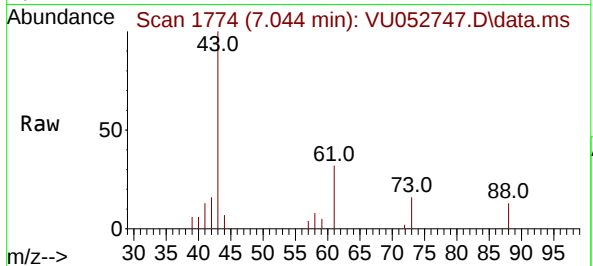
Tgt Ion:	88	Resp:	2420
Ion	Ratio	Lower	Upper
88	100		
43	438.4	374.7	562.1
58	67.6	59.2	88.8

Manual Integrations

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Reviewed By :John Carlone 01/20/2023

Supervised By :Mahesh Dadoda 01/20/2023



#50

Toluene-d8

Concen: 48.924 ug/l

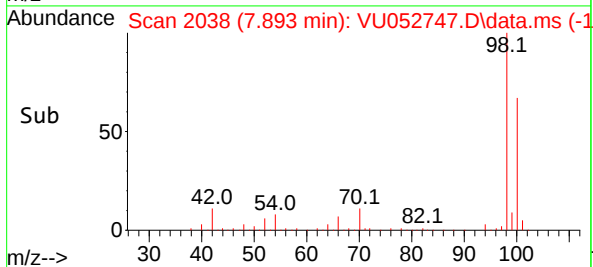
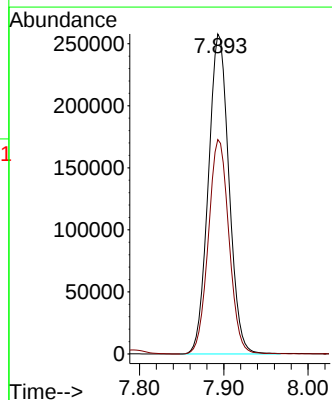
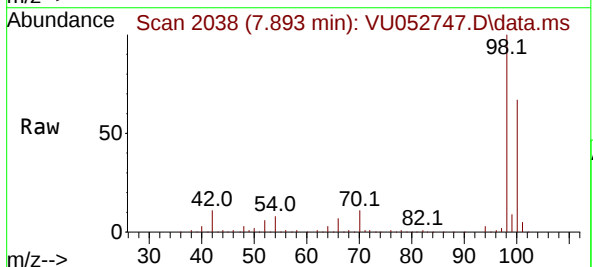
RT: 7.893 min Scan# 2038

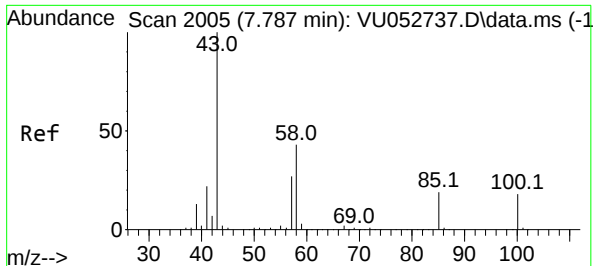
Delta R.T. 0.000 min

Lab File: VU052747.D

Acq: 19 Jan 2023 19:54

Tgt Ion:	98	Resp:	438816
Ion	Ratio	Lower	Upper
98	100		
100	66.8	53.7	80.5





#51

4-Methyl-2-Pentanone

Concen: 11.522 ug/l

RT: 7.790 min Scan# 2005

Delta R.T. 0.003 min

Lab File: VU052747.D

Acq: 19 Jan 2023 19:54

Instrument :

MSVOA_U

ClientSampleId :

MDL04

Tgt Ion: 43 Resp: 3877

Ion Ratio Lower Upper

43 100

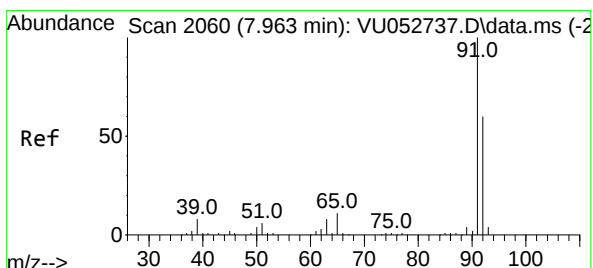
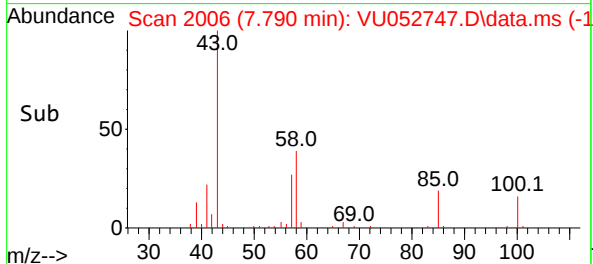
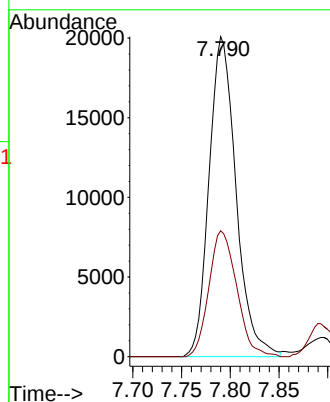
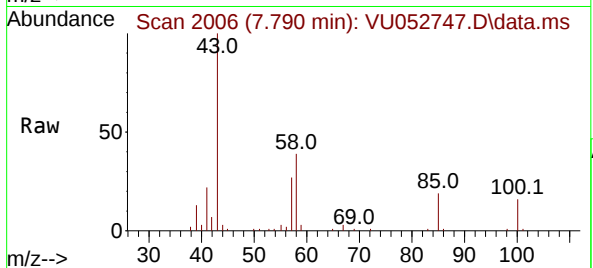
58 40.5 34.6 52.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/20/2023

Supervised By :Mahesh Dadoda 01/20/2023



#52

Toluene

Concen: 2.572 ug/l

RT: 7.967 min Scan# 2061

Delta R.T. 0.003 min

Lab File: VU052747.D

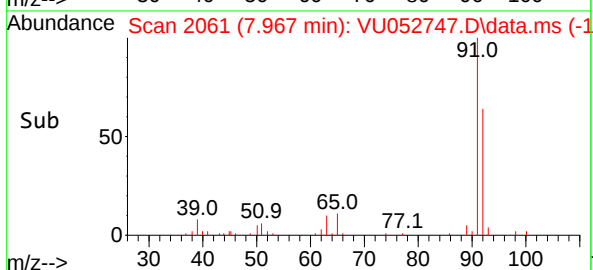
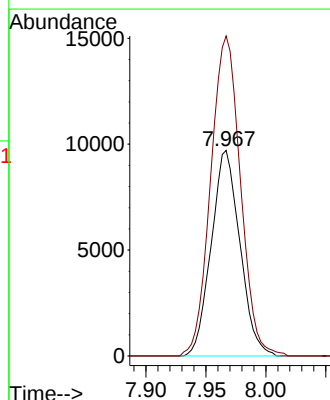
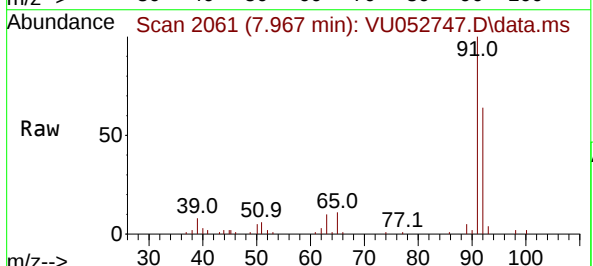
Acq: 19 Jan 2023 19:54

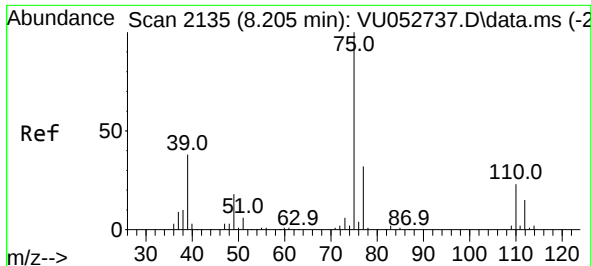
Tgt Ion: 92 Resp: 16121

Ion Ratio Lower Upper

92 100

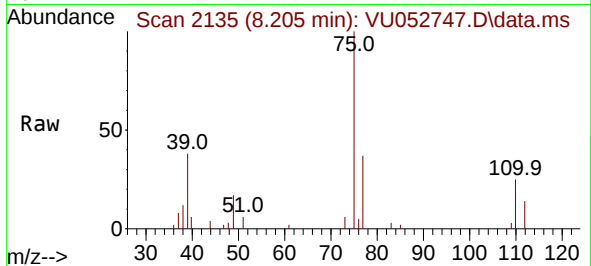
91 161.5 134.9 202.3





#53
 t-1,3-Dichloropropene
 Concen: 2.257 ug/l
 RT: 8.205 min Scan# 2135
 Delta R.T. 0.000 min
 Lab File: VU052747.D
 Acq: 19 Jan 2023 19:54

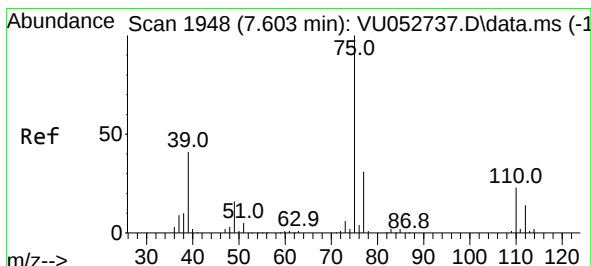
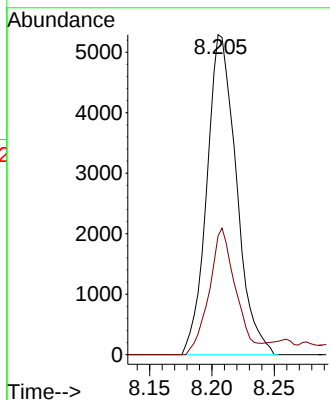
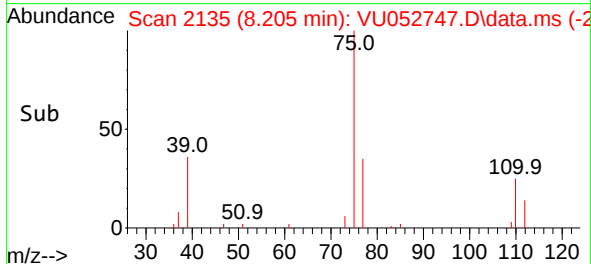
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL04



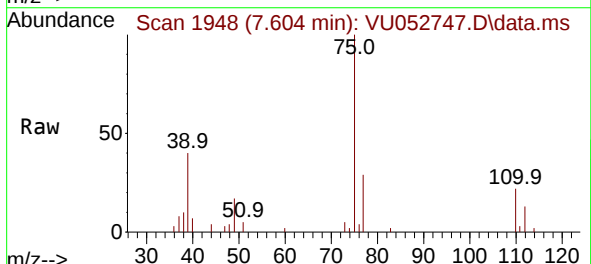
Tgt Ion: 75 Resp: 873
 Ion Ratio Lower Upper
 75 100
 77 37.1 25.2 37.8

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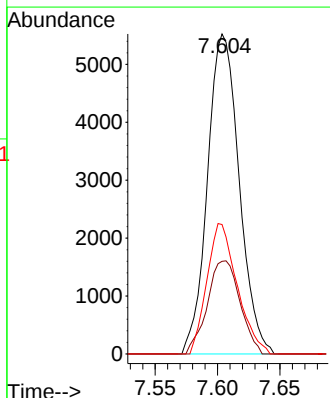
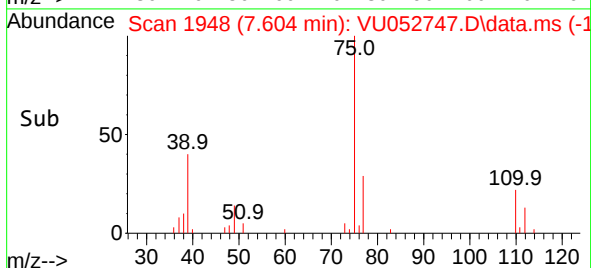
Reviewed By :John Carlone 01/20/2023
 Supervised By :Mahesh Dadoda 01/20/2023

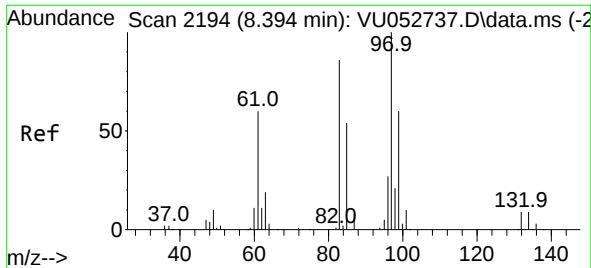


#54
 cis-1,3-Dichloropropene
 Concen: 2.369 ug/l
 RT: 7.604 min Scan# 1948
 Delta R.T. 0.000 min
 Lab File: VU052747.D
 Acq: 19 Jan 2023 19:54



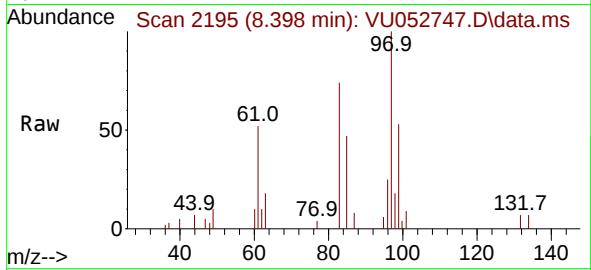
Tgt Ion: 75 Resp: 9776
 Ion Ratio Lower Upper
 75 100
 77 29.0 25.0 37.6
 39 40.4 32.9 49.3





#55
 1,1,2-Trichloroethane
 Concen: 2.663 ug/l
 RT: 8.398 min Scan# 2195
 Delta R.T. 0.004 min
 Lab File: VU052747.D
 Acq: 19 Jan 2023 19:54

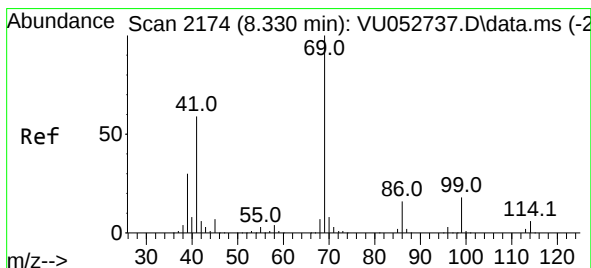
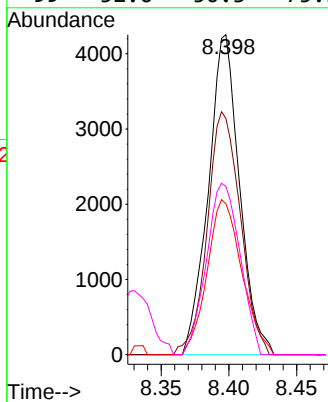
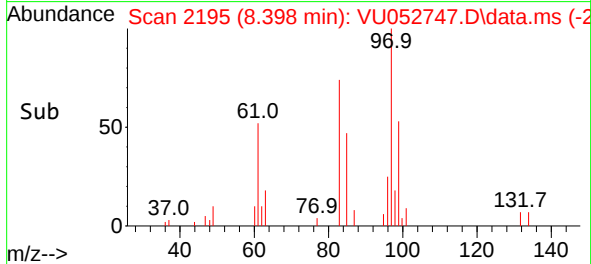
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL04



Tgt Ion	Ratio	Lower	Upper
97	100		
83	73.8	69.2	103.8
85	47.1	43.8	65.8
99	52.6	50.3	75.5

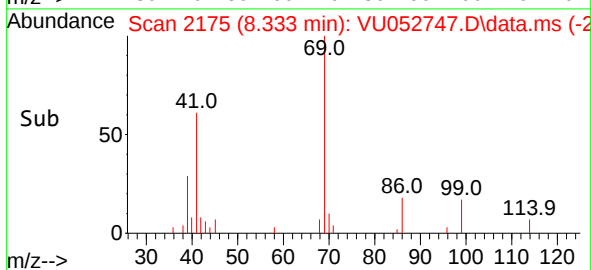
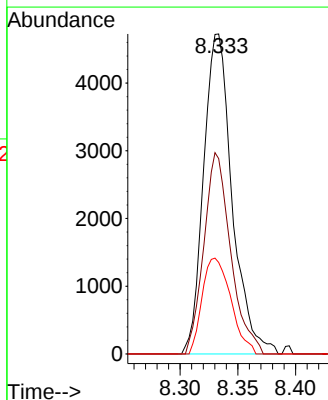
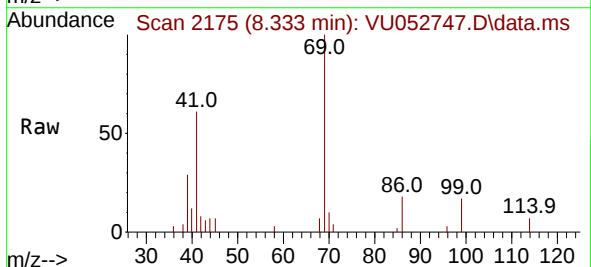
Manual Integrations
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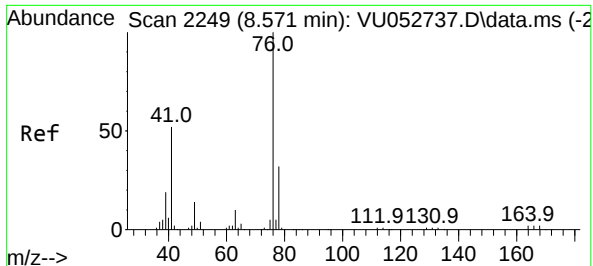
Reviewed By :John Carlone 01/20/2023
 Supervised By :Mahesh Dadoda 01/20/2023



#56
 Ethyl methacrylate
 Concen: 2.260 ug/l
 RT: 8.333 min Scan# 2175
 Delta R.T. 0.003 min
 Lab File: VU052747.D
 Acq: 19 Jan 2023 19:54

Tgt Ion	Ratio	Lower	Upper
69	100		
41	59.0	47.6	71.4
39	30.0	24.3	36.5





#57

1,3-Dichloropropane

Concen: 2.424 ug/l

RT: 8.571 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU052747.D

Acq: 19 Jan 2023 19:54

Instrument :

MSVOA_U

ClientSampleId :

MDL04

Tgt Ion: 76 Resp: 1087

Ion Ratio Lower Upper

76 100

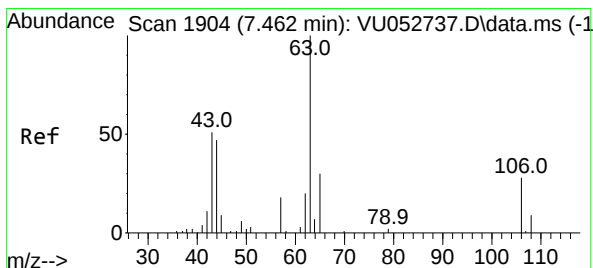
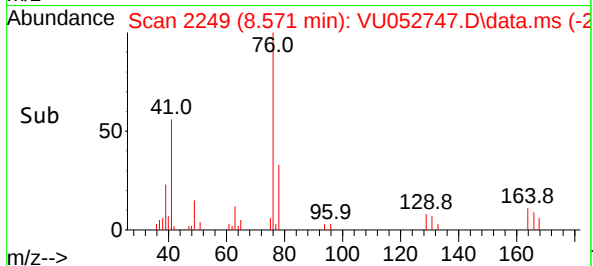
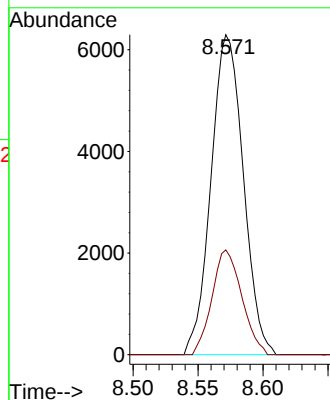
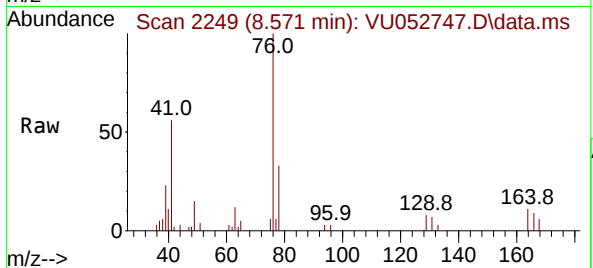
78 30.2 26.2 39.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/20/2023

Supervised By :Mahesh Dadoda 01/20/2023



#58

2-Chloroethyl Vinyl ether

Concen: 7.214 ug/l

RT: 7.459 min Scan# 1903

Delta R.T. -0.003 min

Lab File: VU052747.D

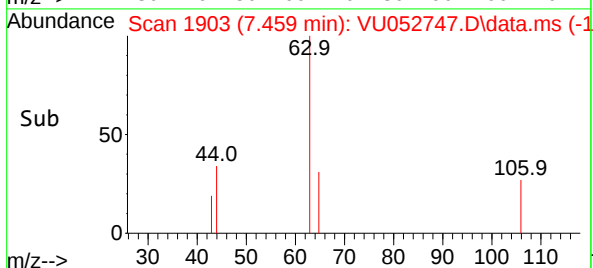
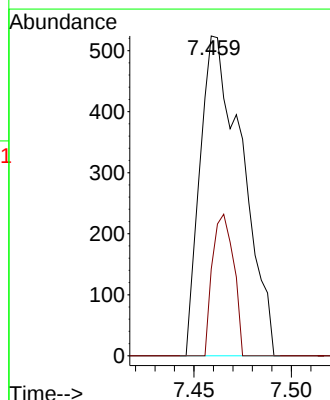
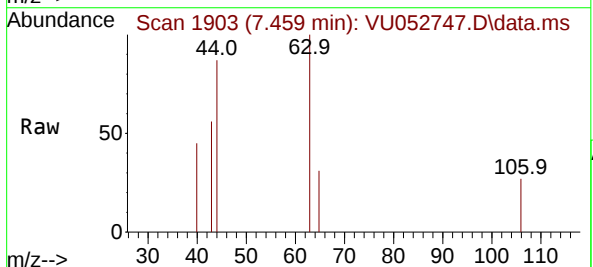
Acq: 19 Jan 2023 19:54

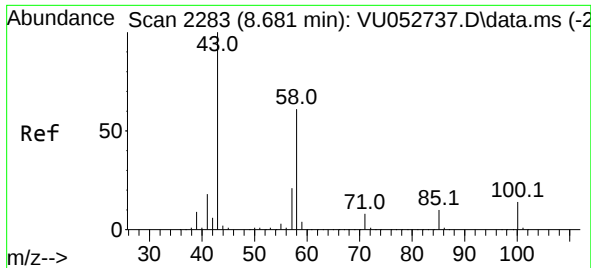
Tgt Ion: 63 Resp: 789

Ion Ratio Lower Upper

63 100

106 22.2 23.2 34.8





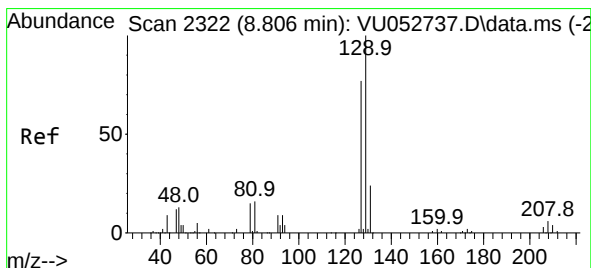
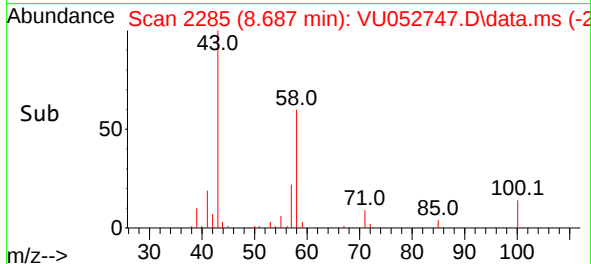
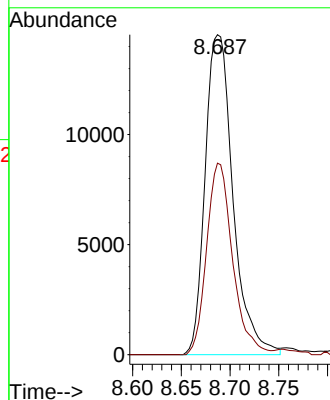
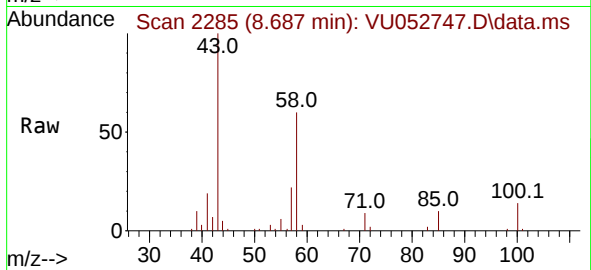
#59
2-Hexanone
Concen: 11.151 ug/l
RT: 8.687 min Scan# 21
Delta R.T. 0.007 min
Lab File: VU052747.D
Acq: 19 Jan 2023 19:54

Instrument :
MSVOA_U
ClientSampleId :
MDL04

Tgt Ion: 43 Resp: 2890
Ion Ratio Lower Upper
43 100
58 55.8 29.8 89.5

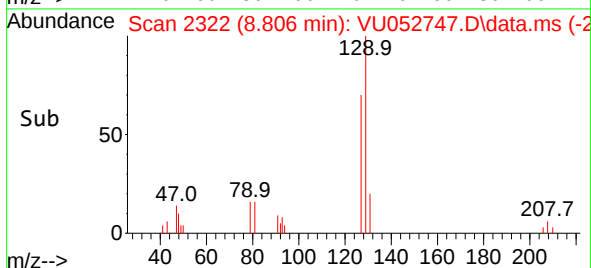
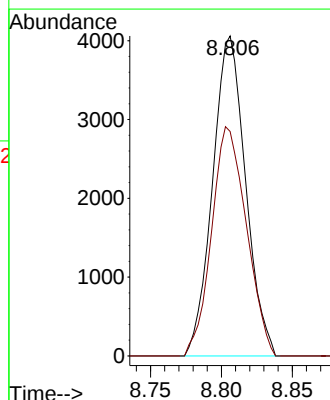
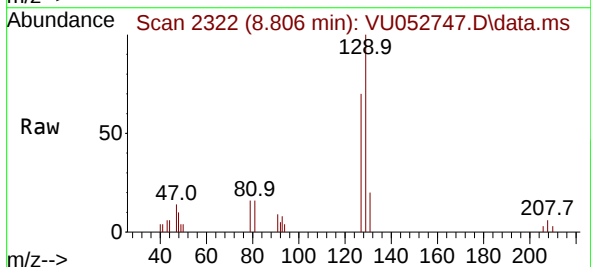
Manual Integrations
APPROVED

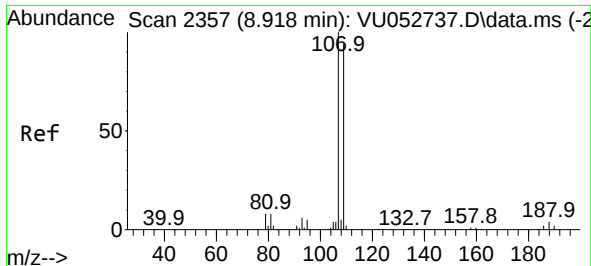
Reviewed By :John Carlone 01/20/2023
Supervised By :Mahesh Dadoda 01/20/2023



#60
Dibromochloromethane
Concen: 2.343 ug/l
RT: 8.806 min Scan# 2322
Delta R.T. 0.000 min
Lab File: VU052747.D
Acq: 19 Jan 2023 19:54

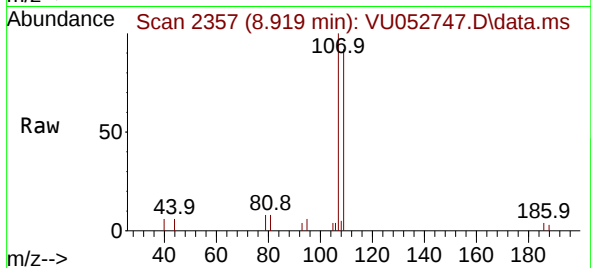
Tgt Ion:129 Resp: 6581
Ion Ratio Lower Upper
129 100
127 75.5 39.1 117.2





#61
1,2-Dibromoethane
Concen: 2.376 ug/l
RT: 8.919 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU052747.D
Acq: 19 Jan 2023 19:54

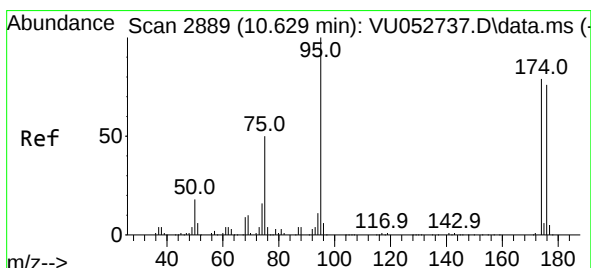
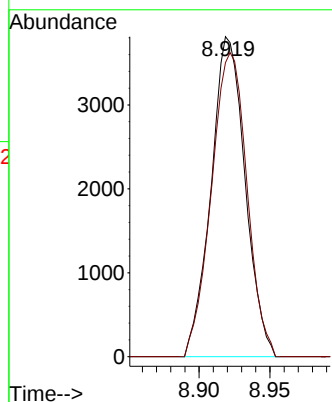
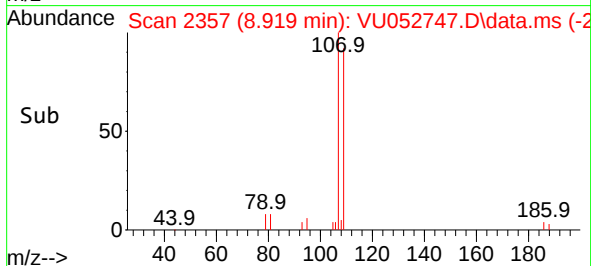
Instrument :
MSVOA_U
ClientSampleId :
MDL04



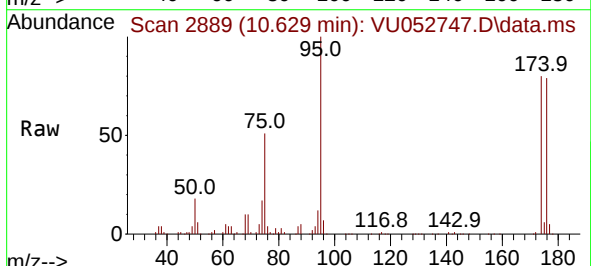
Tgt Ion:107 Resp: 638
Ion Ratio Lower Upper
107 100
109 99.0 75.0 112.6

Manual Integrations
APPROVED

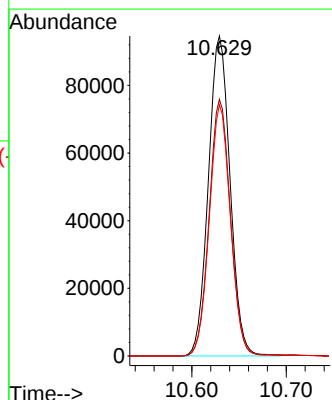
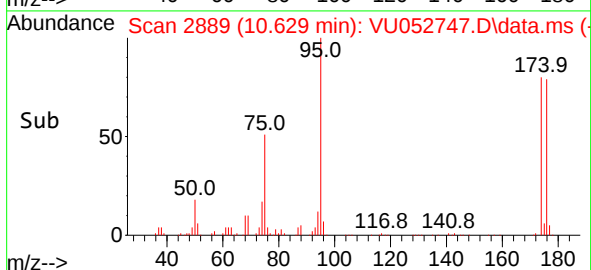
Reviewed By :John Carlone 01/20/2023
Supervised By :Mahesh Dadoda 01/20/2023

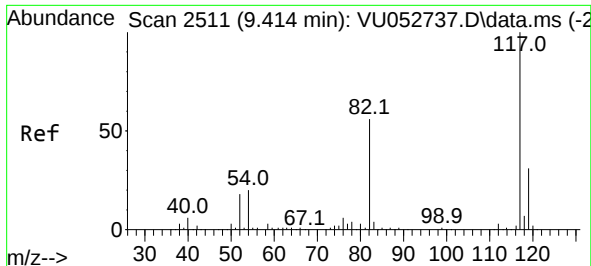


#62
4-Bromofluorobenzene
Concen: 46.012 ug/l
RT: 10.629 min Scan# 2889
Delta R.T. 0.000 min
Lab File: VU052747.D
Acq: 19 Jan 2023 19:54



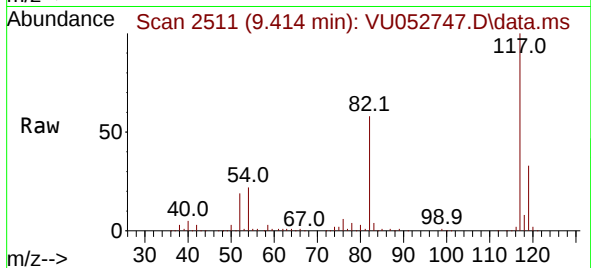
Tgt Ion: 95 Resp: 150757
Ion Ratio Lower Upper
95 100
174 79.1 0.0 158.6
176 76.2 0.0 150.6





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.414 min Scan# 2511
Delta R.T. -0.000 min
Lab File: VU052747.D
Acq: 19 Jan 2023 19:54

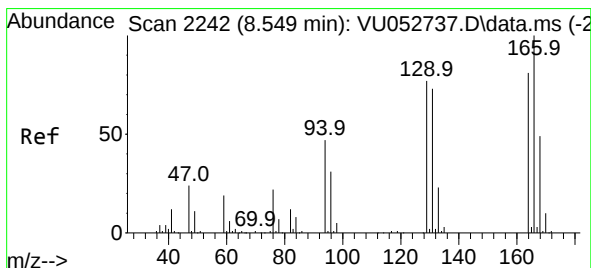
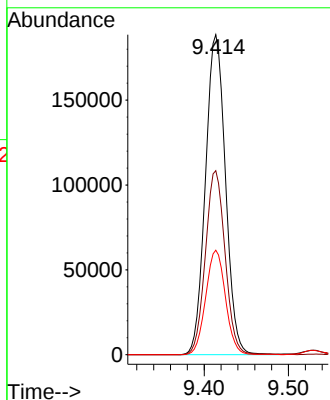
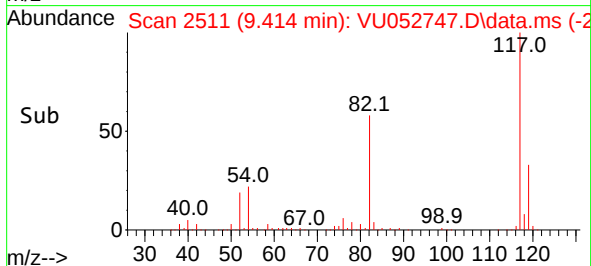
Instrument :
MSVOA_U
ClientSampleId :
MDL04



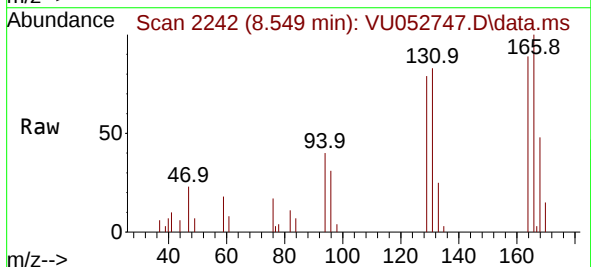
Tgt Ion:117 Resp: 312079
Ion Ratio Lower Upper
117 100
82 57.5 44.7 67.1
119 32.6 25.0 37.6

Manual Integrations
APPROVED

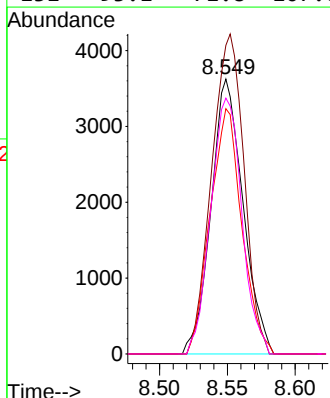
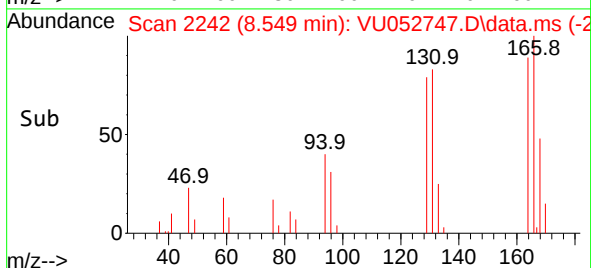
Reviewed By :John Carlone 01/20/2023
Supervised By :Mahesh Dadoda 01/20/2023

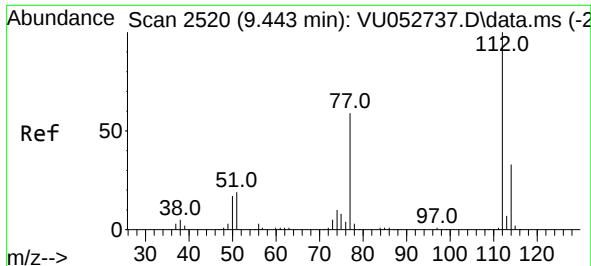


#64
Tetrachloroethene
Concen: 2.743 ug/l
RT: 8.549 min Scan# 2242
Delta R.T. 0.000 min
Lab File: VU052747.D
Acq: 19 Jan 2023 19:54



Tgt Ion:164 Resp: 5946
Ion Ratio Lower Upper
164 100
166 112.3 98.9 148.3
129 89.2 76.0 114.0
131 93.1 71.8 107.6





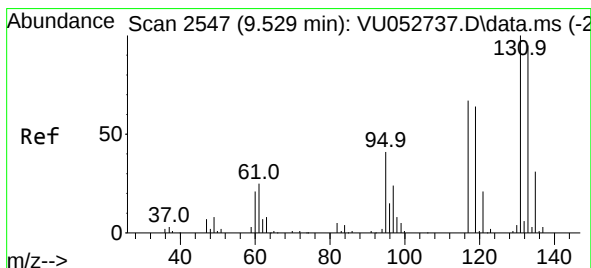
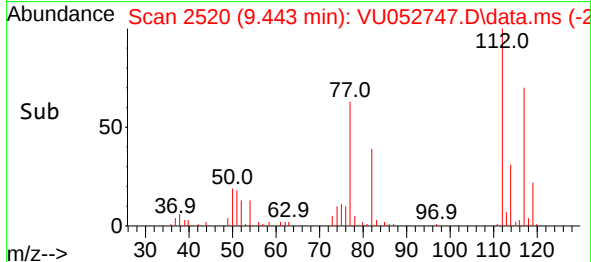
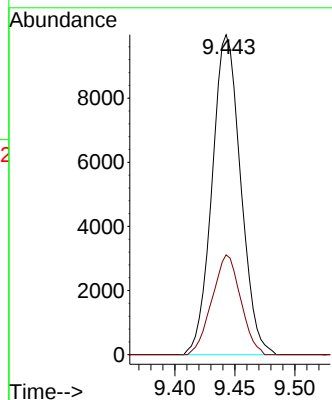
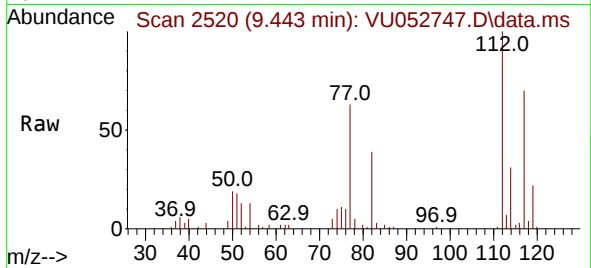
#65
Chlorobenzene
Concen: 2.503 ug/l
RT: 9.443 min Scan# 2520
Delta R.T. 0.000 min
Lab File: VU052747.D
Acq: 19 Jan 2023 19:54

Instrument :
MSVOA_U
ClientSampleId :
MDL04

Tgt Ion:112 Resp: 1653
Ion Ratio Lower Upper
112 100
114 31.2 26.1 39.1

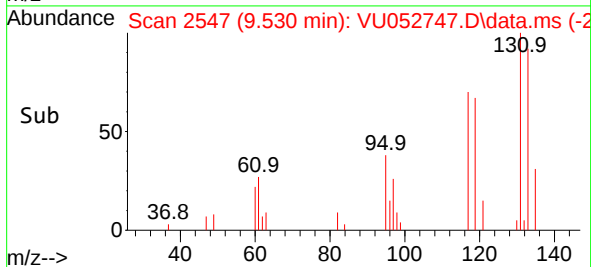
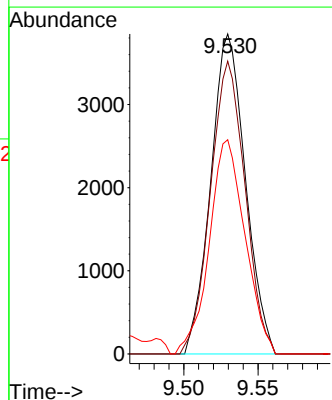
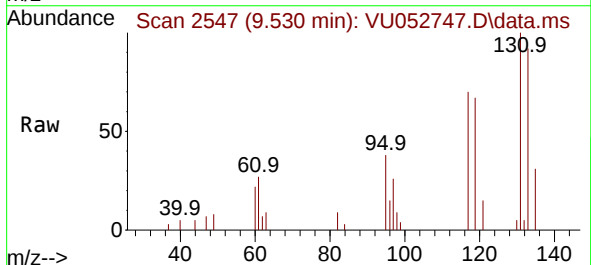
Manual Integrations
APPROVED

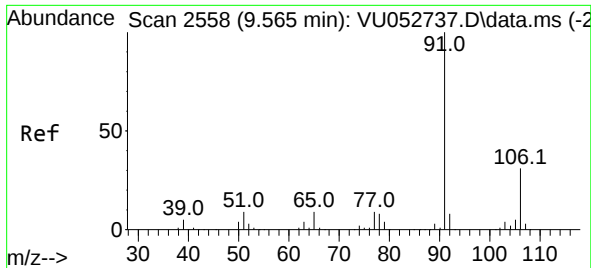
Reviewed By :John Carlone 01/20/2023
Supervised By :Mahesh Dadoda 01/20/2023



#66
1,1,1,2-Tetrachloroethane
Concen: 2.524 ug/l
RT: 9.530 min Scan# 2547
Delta R.T. 0.000 min
Lab File: VU052747.D
Acq: 19 Jan 2023 19:54

Tgt Ion:131 Resp: 6248
Ion Ratio Lower Upper
131 100
133 91.5 48.4 145.0
119 69.0 32.1 96.3





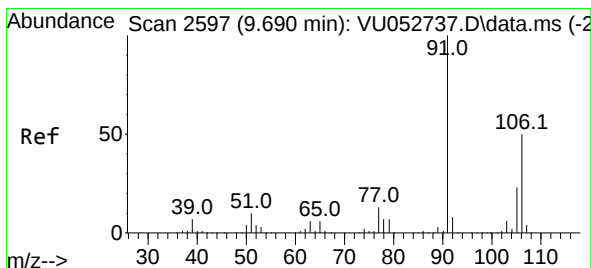
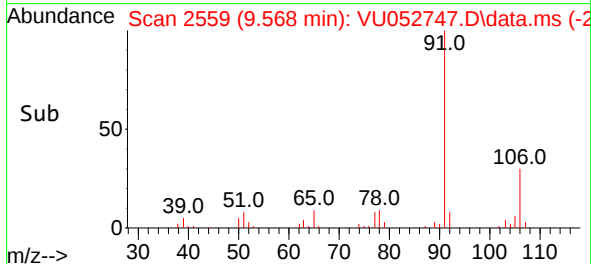
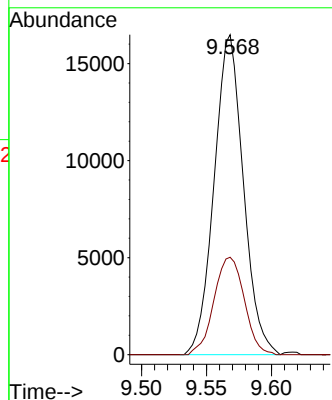
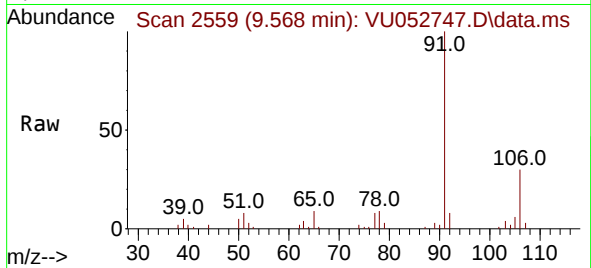
#67
Ethyl Benzene
Concen: 2.312 ug/l
RT: 9.568 min Scan# 2558
Delta R.T. 0.003 min
Lab File: VU052747.D
Acq: 19 Jan 2023 19:54

Instrument :
MSVOA_U
ClientSampleId :
MDL04

Tgt Ion: 91 Resp: 25804
Ion Ratio Lower Upper
91 100
106 30.4 24.6 37.0

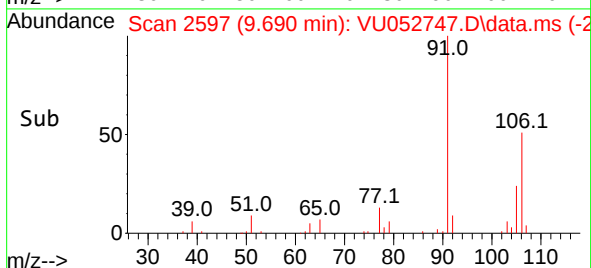
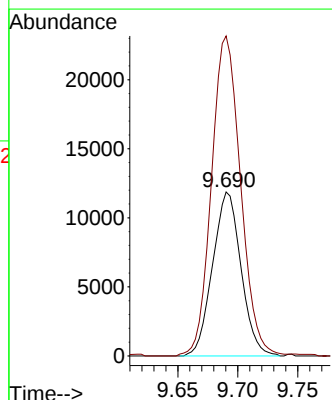
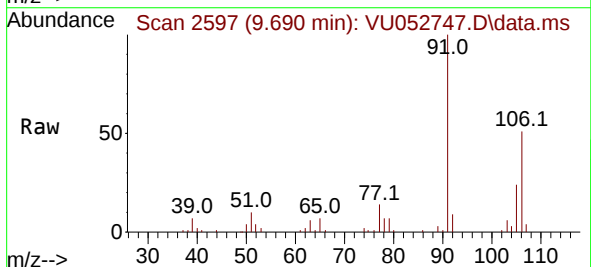
Manual Integrations
APPROVED

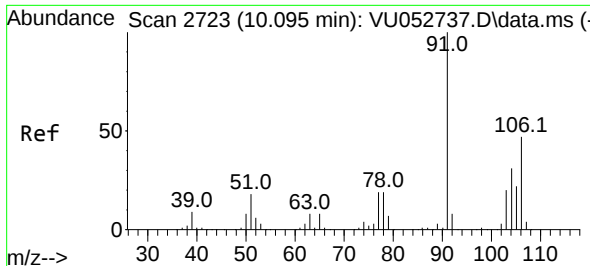
Reviewed By :John Carlone 01/20/2023
Supervised By :Mahesh Dadoda 01/20/2023



#68
m/p-Xylenes
Concen: 4.511 ug/l
RT: 9.690 min Scan# 2597
Delta R.T. 0.000 min
Lab File: VU052747.D
Acq: 19 Jan 2023 19:54

Tgt Ion:106 Resp: 19551
Ion Ratio Lower Upper
106 100
91 199.7 160.8 241.2





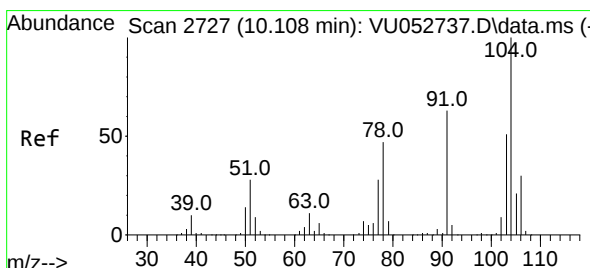
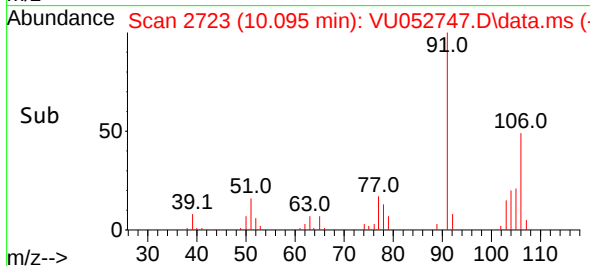
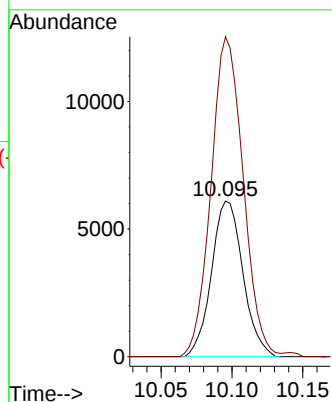
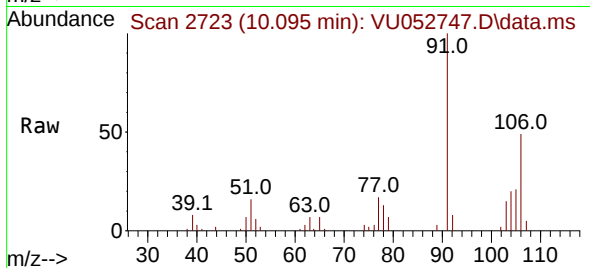
#69
o-Xylene
Concen: 2.271 ug/l
RT: 10.095 min Scan# 2723
Delta R.T. 0.000 min
Lab File: VU052747.D
Acq: 19 Jan 2023 19:54

Instrument :
MSVOA_U
ClientSampleId :
MDL04

Tgt Ion:106 Resp: 939
Ion Ratio Lower Upper
106 100
91 210.3 107.9 323.7

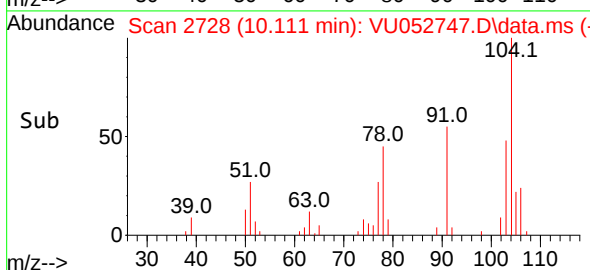
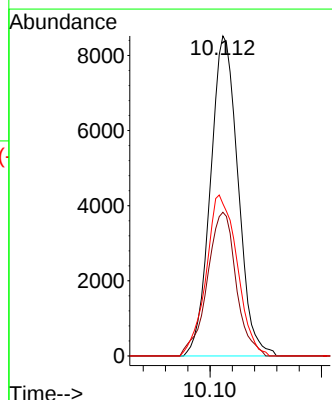
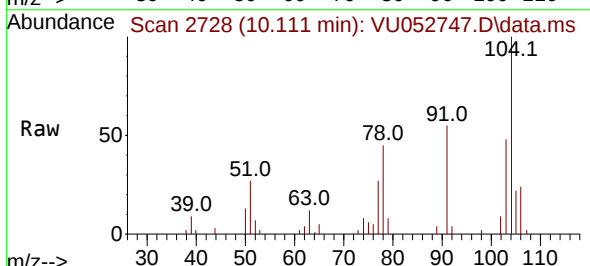
Manual Integrations
APPROVED

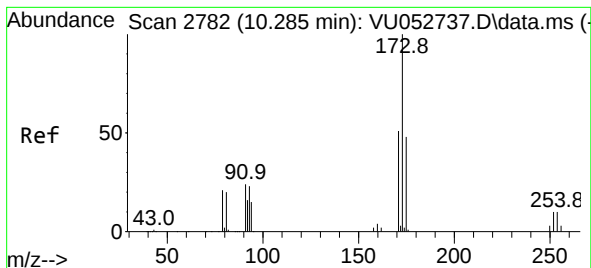
Reviewed By :John Carlone 01/20/2023
Supervised By :Mahesh Dadoda 01/20/2023



#70
Styrene
Concen: 2.158 ug/l
RT: 10.111 min Scan# 2728
Delta R.T. 0.003 min
Lab File: VU052747.D
Acq: 19 Jan 2023 19:54

Tgt Ion:104 Resp: 14648
Ion Ratio Lower Upper
104 100
78 46.9 39.9 59.9
103 56.3 43.4 65.2





#71

Bromoform

Concen: 2.257 ug/l

RT: 10.285 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU052747.D

Acq: 19 Jan 2023 19:54

Instrument :

MSVOA_U

ClientSampleId :

MDL04

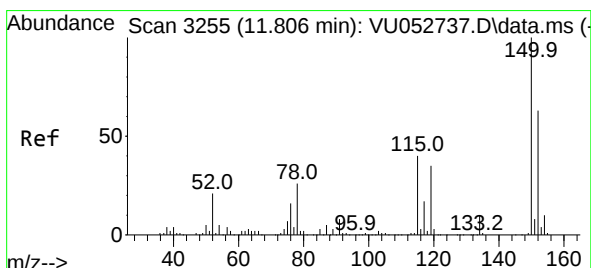
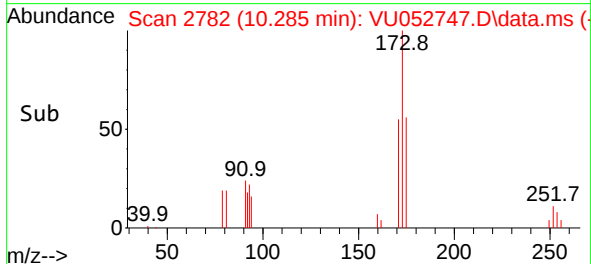
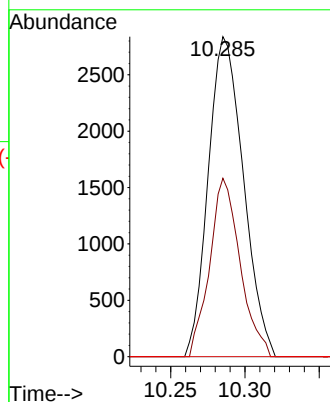
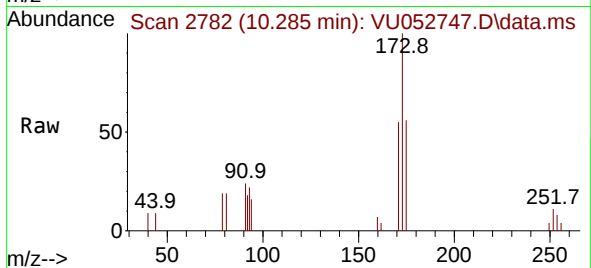
Tgt Ion:	173	Resp:	466
Ion Ratio	Lower	Upper	
173	100		
175	48.4	24.1	72.2
254	0.0	0.0	0.0

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

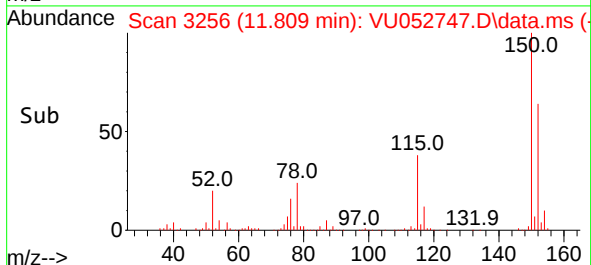
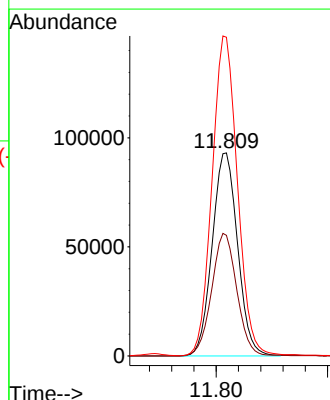
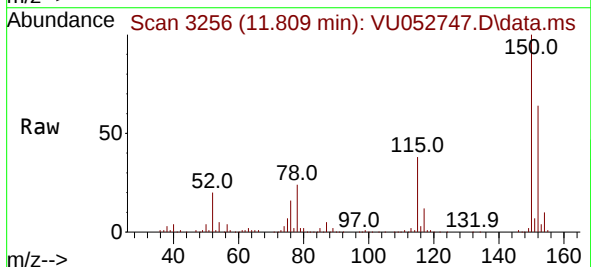
RT: 11.809 min Scan# 3256

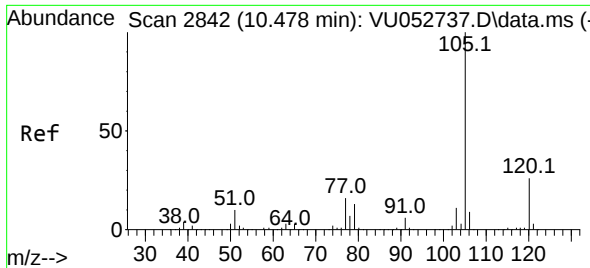
Delta R.T. 0.003 min

Lab File: VU052747.D

Acq: 19 Jan 2023 19:54

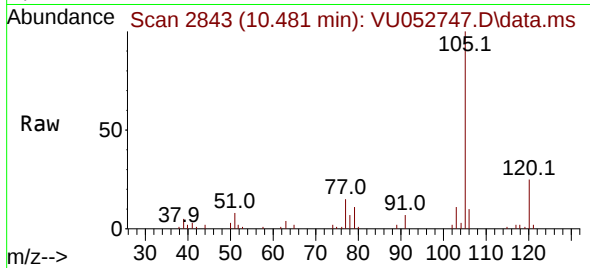
Tgt Ion:	152	Resp:	147595
Ion Ratio	Lower	Upper	
152	100		
115	60.0	41.7	125.1
150	157.3	0.0	349.2





#73
Isopropylbenzene
Concen: 2.436 ug/l
RT: 10.481 min Scan# 2843
Delta R.T. 0.003 min
Lab File: VU052747.D
Acq: 19 Jan 2023 19:54

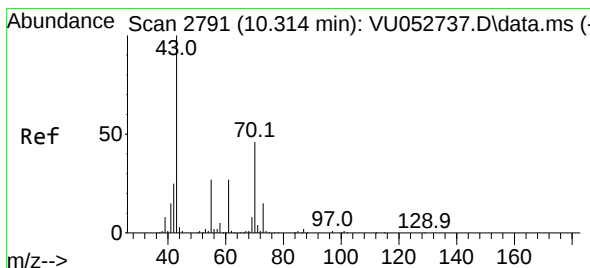
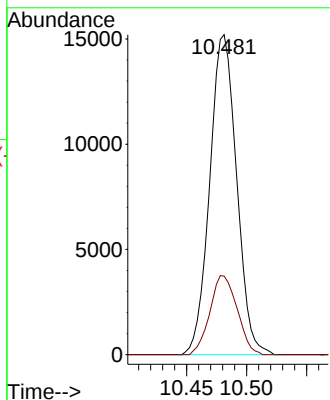
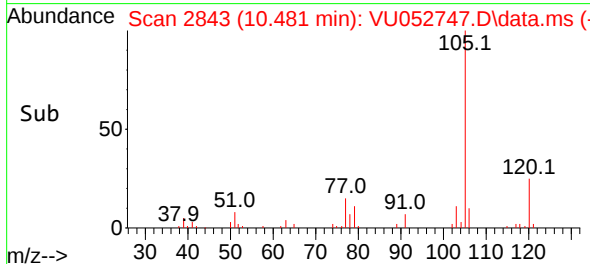
Instrument :
MSVOA_U
ClientSampleId :
MDL04



Tgt Ion:105 Resp: 2369
Ion Ratio Lower Upper
105 100
120 25.0 13.2 39.5

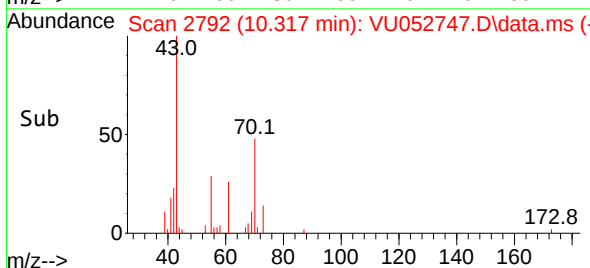
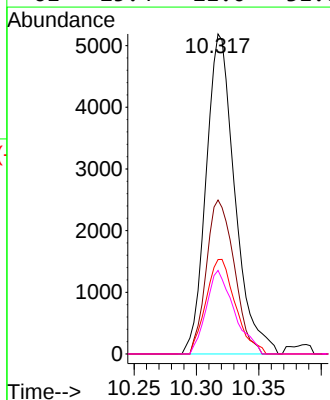
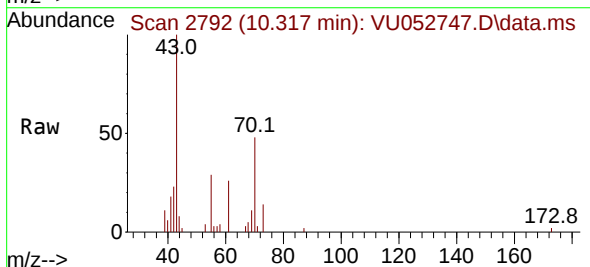
Manual Integrations
APPROVED

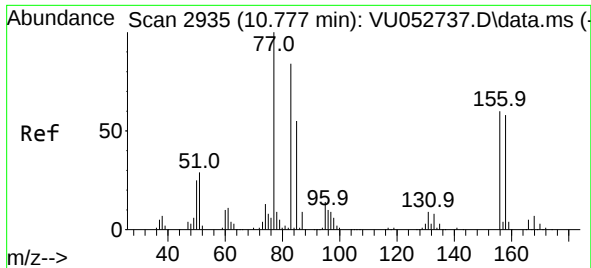
Reviewed By :John Carlone 01/20/2023
Supervised By :Mahesh Dadoda 01/20/2023



#74
N-ethyl acetate
Concen: 2.247 ug/l
RT: 10.317 min Scan# 2792
Delta R.T. 0.003 min
Lab File: VU052747.D
Acq: 19 Jan 2023 19:54

Tgt Ion: 43 Resp: 8324
Ion Ratio Lower Upper
43 100
70 46.8 37.9 56.9
55 30.2 21.9 32.9
61 25.4 21.0 31.6





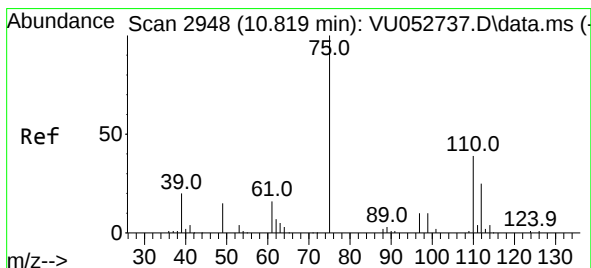
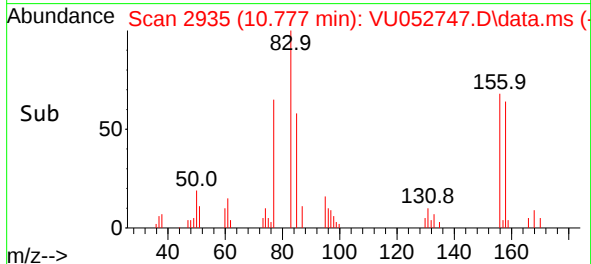
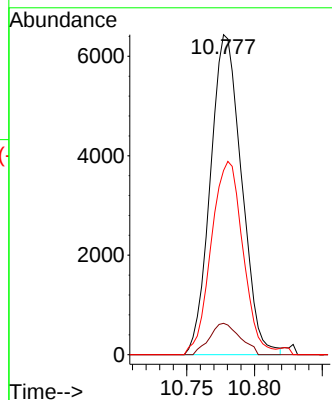
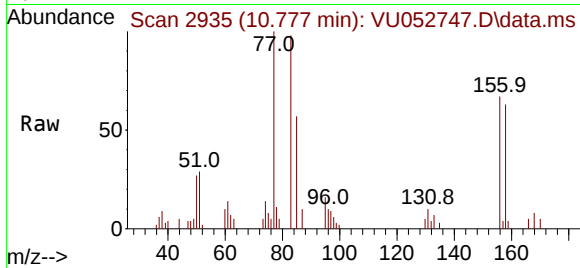
#75
 1,1,2,2-Tetrachloroethane
 Concen: 2.674 ug/l
 RT: 10.777 min Scan# 2935
 Delta R.T. 0.000 min
 Lab File: VU052747.D
 Acq: 19 Jan 2023 19:54

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL04

Tgt Ion: 83 Resp: 1030
 Ion Ratio Lower Upper
 83 100
 131 9.6 5.0 14.9
 85 61.5 32.3 96.8

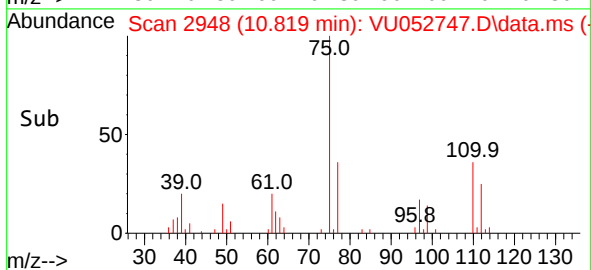
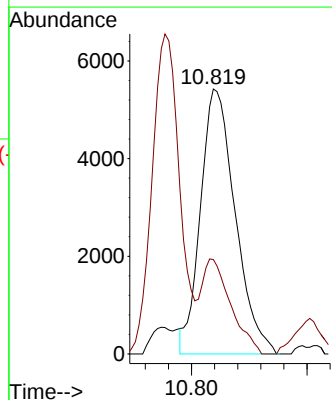
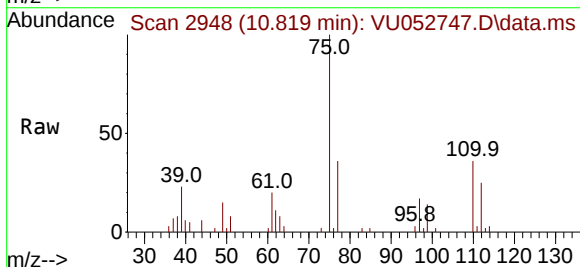
Manual Integrations
 APPROVED

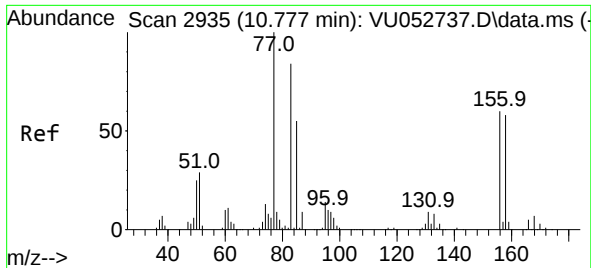
Reviewed By :John Carlone 01/20/2023
 Supervised By :Mahesh Dadoda 01/20/2023



#76
 1,2,3-Trichloropropane
 Concen: 2.809 ug/l
 RT: 10.819 min Scan# 2948
 Delta R.T. 0.000 min
 Lab File: VU052747.D
 Acq: 19 Jan 2023 19:54

Tgt Ion: 75 Resp: 11315
 Ion Ratio Lower Upper
 75 100
 77 30.6 15.0 45.1





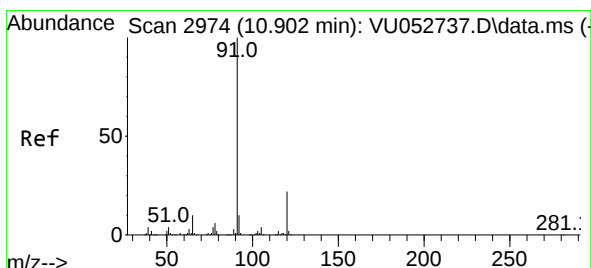
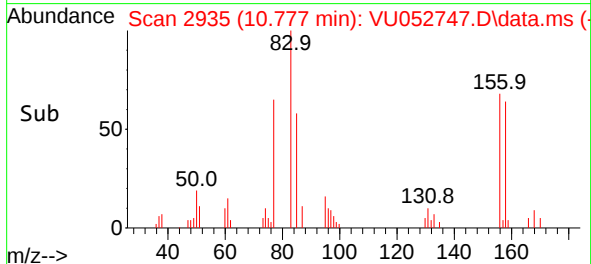
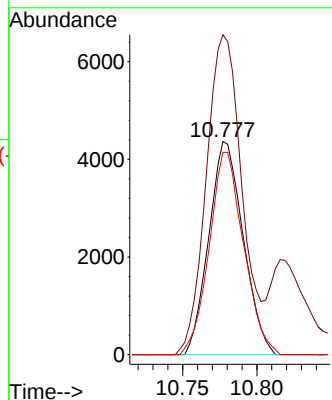
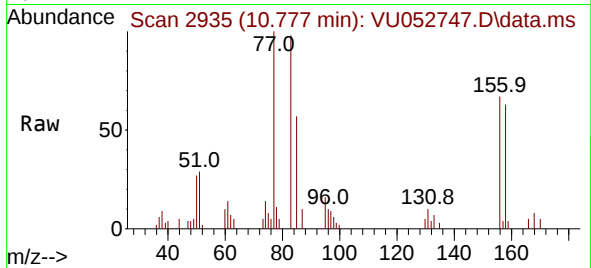
#77
Bromobenzene
Concen: 2.796 ug/l
RT: 10.777 min Scan# 2935
Delta R.T. 0.000 min
Lab File: VU052747.D
Acq: 19 Jan 2023 19:54

Instrument :
MSVOA_U
ClientSampleId :
MDL04

Tgt Ion:156 Resp: 703
Ion Ratio Lower Upper
156 100
77 154.4 83.8 251.4
158 95.1 48.7 146.1

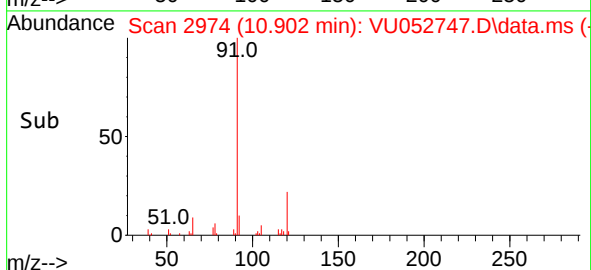
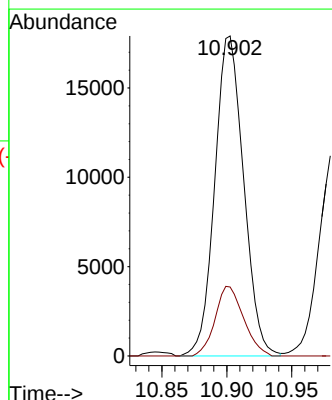
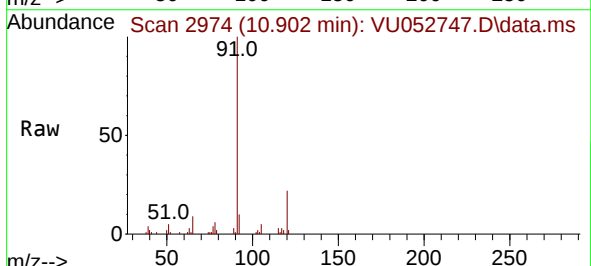
Manual Integrations
APPROVED

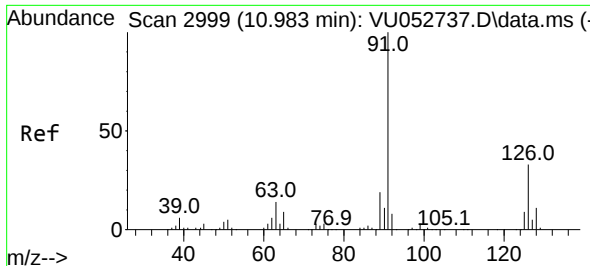
Reviewed By :John Carlone 01/20/2023
Supervised By :Mahesh Dadoda 01/20/2023



#78
n-propylbenzene
Concen: 2.419 ug/l
RT: 10.902 min Scan# 2974
Delta R.T. 0.000 min
Lab File: VU052747.D
Acq: 19 Jan 2023 19:54

Tgt Ion: 91 Resp: 27661
Ion Ratio Lower Upper
91 100
120 21.5 11.3 33.8





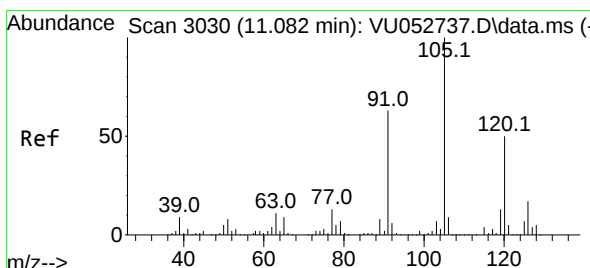
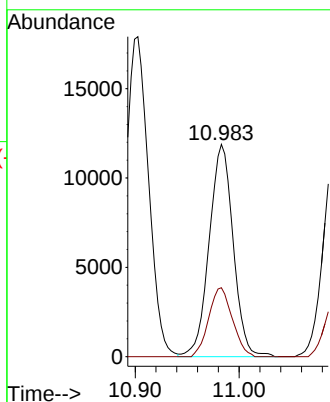
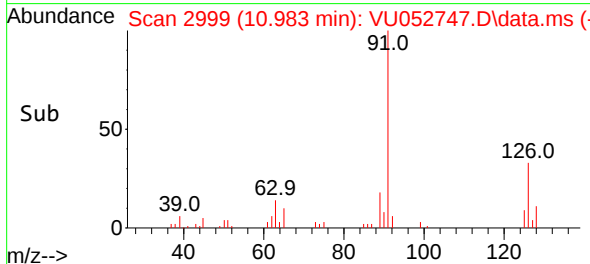
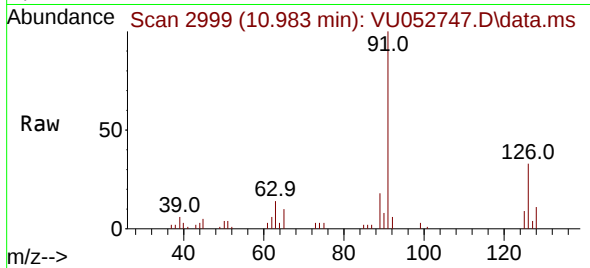
#79
2-Chlorotoluene
Concen: 2.699 ug/l
RT: 10.983 min Scan# 2999
Delta R.T. 0.000 min
Lab File: VU052747.D
Acq: 19 Jan 2023 19:54

Instrument :
MSVOA_U
ClientSampleId :
MDL04

Tgt Ion: 91 Resp: 1907
Ion Ratio Lower Upper
91 100
126 31.9 16.7 50.0

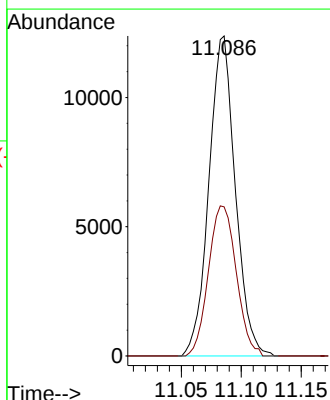
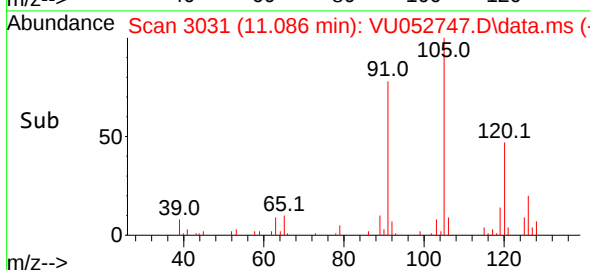
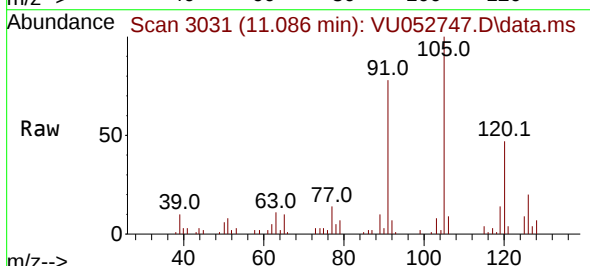
Manual Integrations
APPROVED

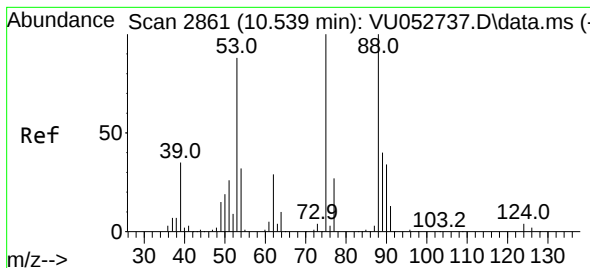
Reviewed By :John Carlone 01/20/2023
Supervised By :Mahesh Dadoda 01/20/2023



#80
1,3,5-Trimethylbenzene
Concen: 2.345 ug/l
RT: 11.086 min Scan# 3031
Delta R.T. 0.003 min
Lab File: VU052747.D
Acq: 19 Jan 2023 19:54

Tgt Ion:105 Resp: 18940
Ion Ratio Lower Upper
105 100
120 49.5 25.1 75.2





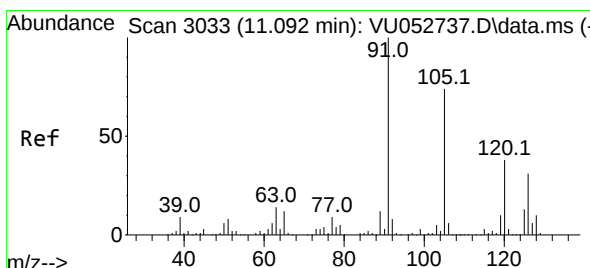
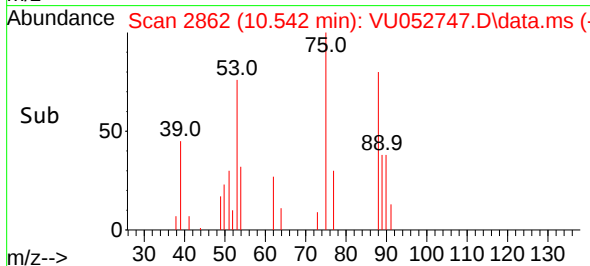
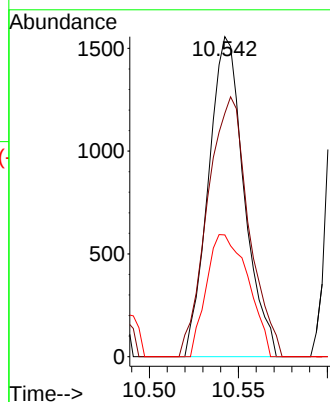
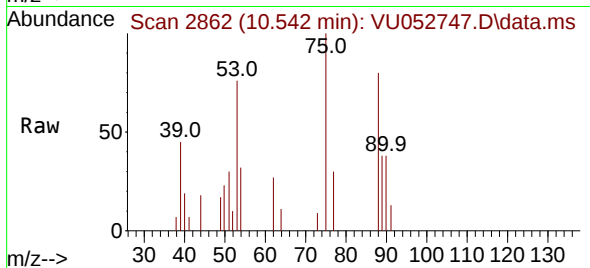
#81
trans-1,4-Dichloro-2-butene
Concen: 2.090 ug/l m
RT: 10.542 min Scan# 2861
Delta R.T. 0.003 min
Lab File: VU052747.D
Acq: 19 Jan 2023 19:54

Instrument :
MSVOA_U
ClientSampleId :
MDL04

Tgt Ion: 75 Resp: 2160
Ion Ratio Lower Upper
75 100
53 0.0 72.4 108.6
89 0.0 35.0 52.4

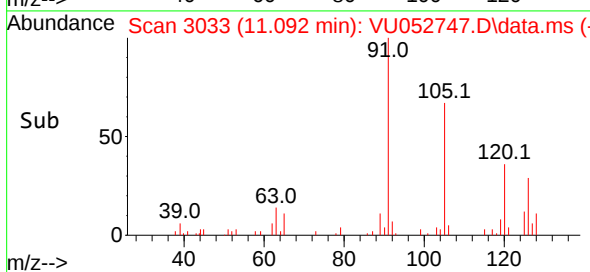
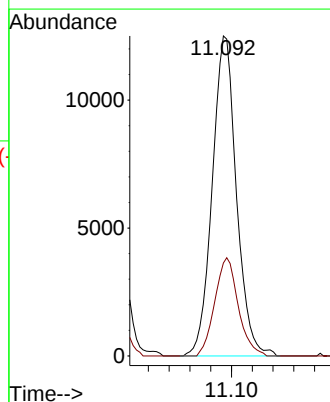
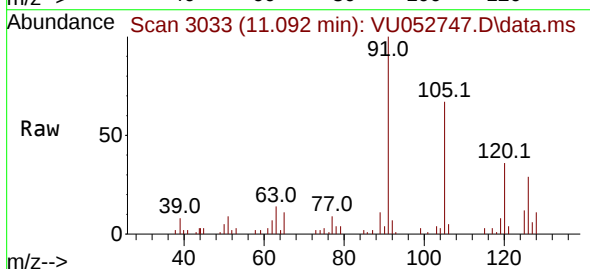
Manual Integrations
APPROVED

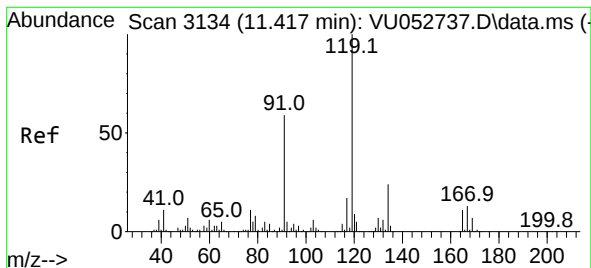
Reviewed By :John Carlone 01/20/2023
Supervised By :Mahesh Dadoda 01/20/2023



#82
4-Chlorotoluene
Concen: 2.507 ug/l
RT: 11.092 min Scan# 3033
Delta R.T. 0.000 min
Lab File: VU052747.D
Acq: 19 Jan 2023 19:54

Tgt Ion: 91 Resp: 20190
Ion Ratio Lower Upper
91 100
126 29.8 14.9 44.7





#83

tert-Butylbenzene

Concen: 2.321 ug/l

RT: 11.417 min Scan# 3134

Delta R.T. 0.000 min

Lab File: VU052747.D

Acq: 19 Jan 2023 19:54

Instrument :

MSVOA_U

ClientSampleId :

MDL04

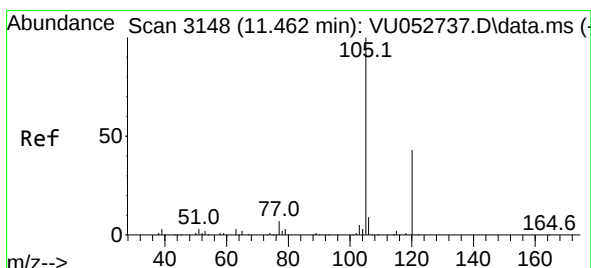
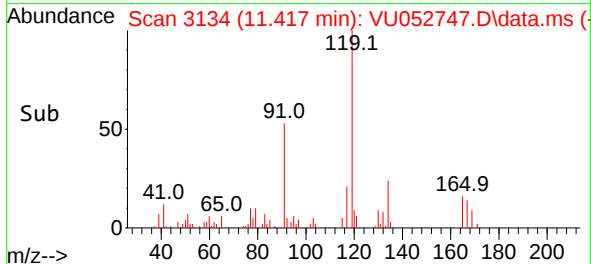
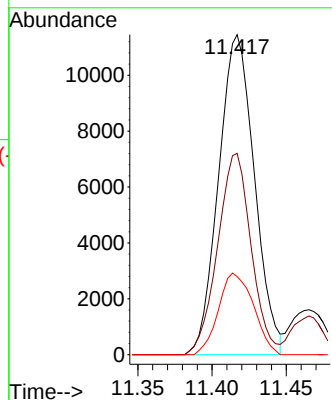
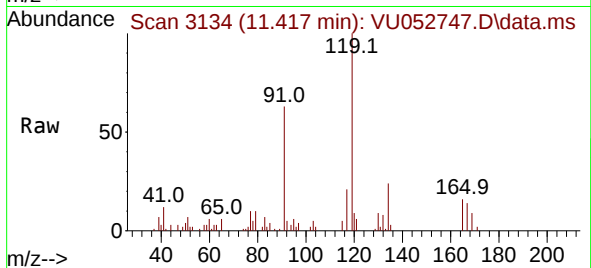
Tgt Ion:	119	Resp:	19239
Ion Ratio	Lower	Upper	
119	100		
91	59.0	28.4	85.2
134	24.8	11.5	34.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/20/2023

Supervised By :Mahesh Dadoda 01/20/2023



#84

1,2,4-Trimethylbenzene

Concen: 2.253 ug/l

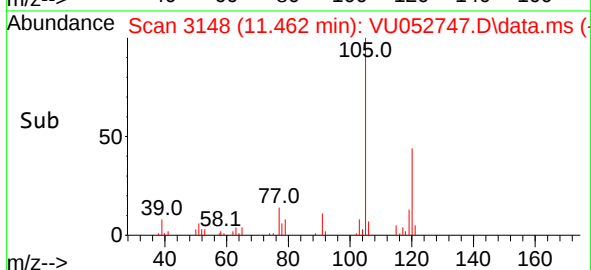
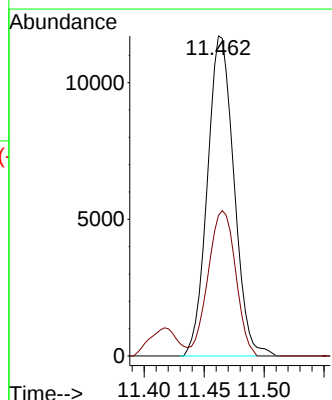
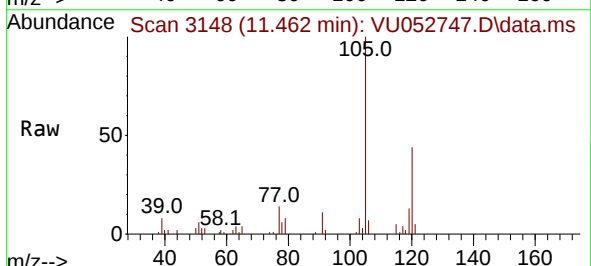
RT: 11.462 min Scan# 3148

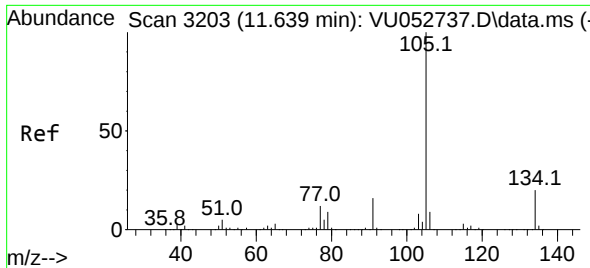
Delta R.T. 0.000 min

Lab File: VU052747.D

Acq: 19 Jan 2023 19:54

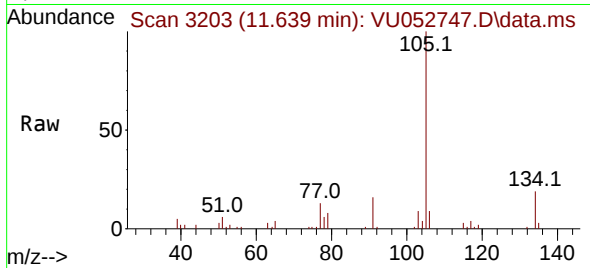
Tgt Ion:	105	Resp:	18062
Ion Ratio	Lower	Upper	
105	100		
120	47.0	23.2	69.5





#85
 sec-Butylbenzene
 Concen: 2.240 ug/l
 RT: 11.639 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: VU052747.D
 Acq: 19 Jan 2023 19:54

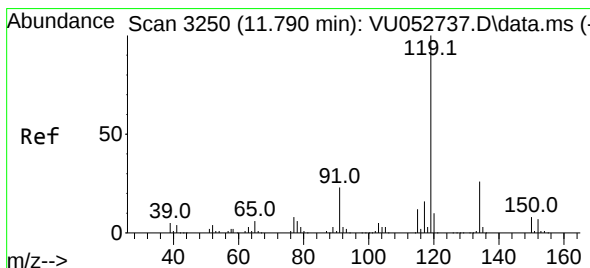
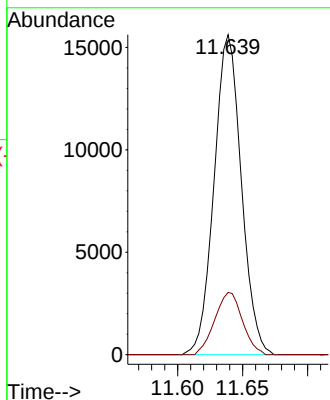
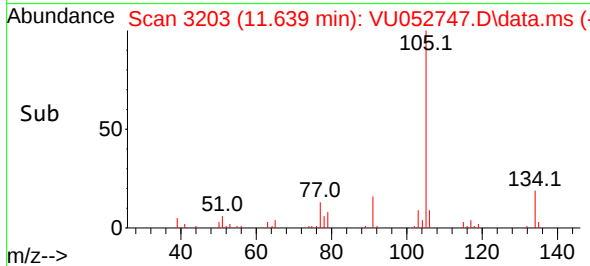
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL04



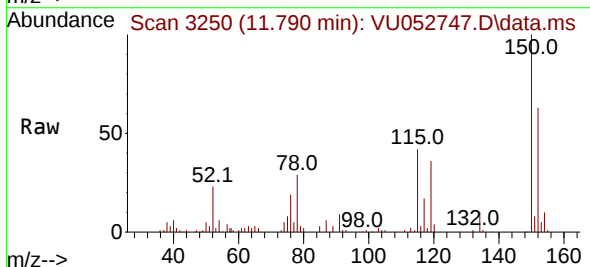
Tgt Ion:105 Resp: 2273
 Ion Ratio Lower Upper
 105 100
 134 19.8 10.1 30.3

Manual Integrations
 APPROVED

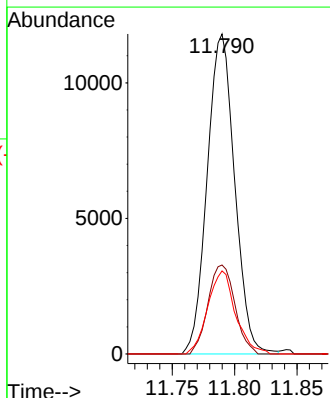
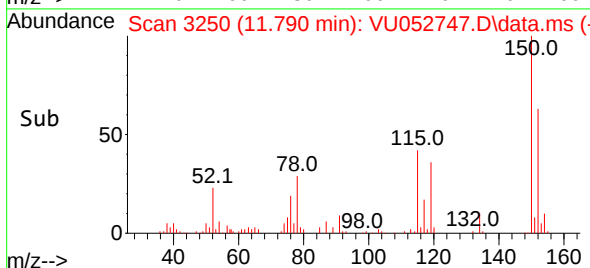
Reviewed By :John Carlone 01/20/2023
 Supervised By :Mahesh Dadoda 01/20/2023

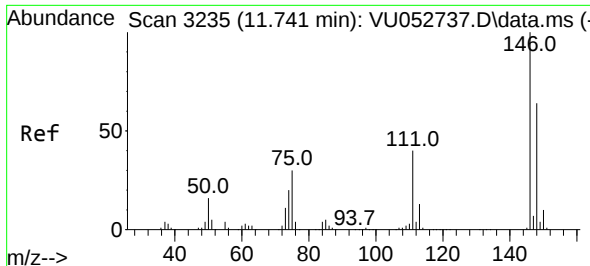


#86
 p-Isopropyltoluene
 Concen: 2.099 ug/l
 RT: 11.790 min Scan# 3250
 Delta R.T. -0.000 min
 Lab File: VU052747.D
 Acq: 19 Jan 2023 19:54



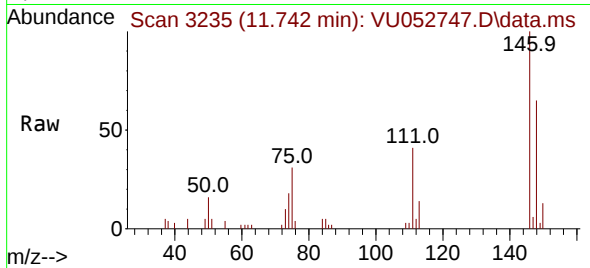
Tgt Ion:119 Resp: 18114
 Ion Ratio Lower Upper
 119 100
 134 27.1 13.1 39.1
 91 26.1 11.5 34.5





#87
1,3-Dichlorobenzene
Concen: 2.546 ug/l
RT: 11.742 min Scan# 31
Delta R.T. 0.001 min
Lab File: VU052747.D
Acq: 19 Jan 2023 19:54

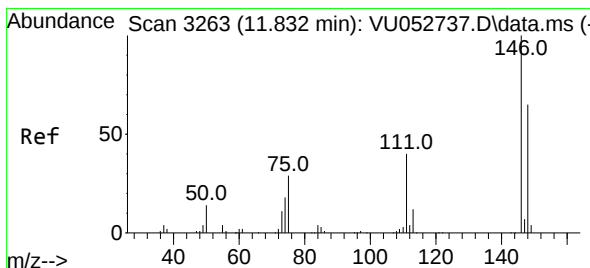
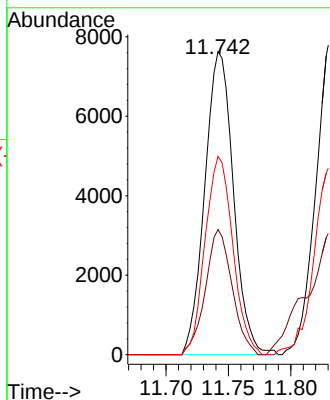
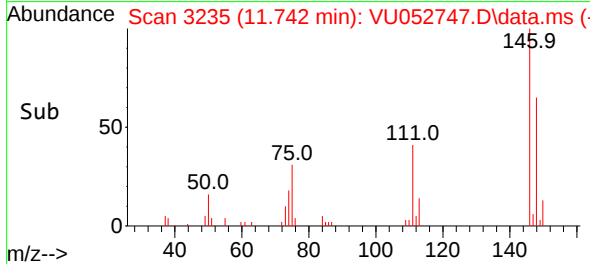
Instrument :
MSVOA_U
ClientSampleId :
MDL04



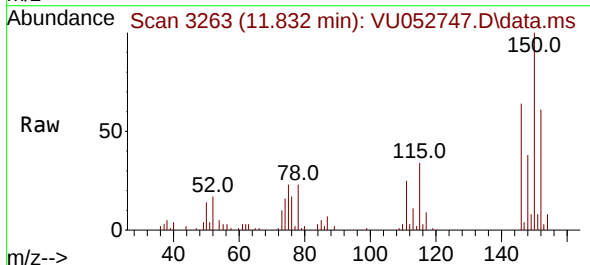
Tgt Ion:146 Resp: 12204
Ion Ratio Lower Upper
146 100
111 38.5 20.1 60.2
148 63.4 31.6 94.7

Manual Integrations
APPROVED

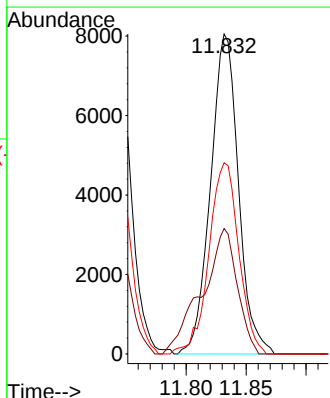
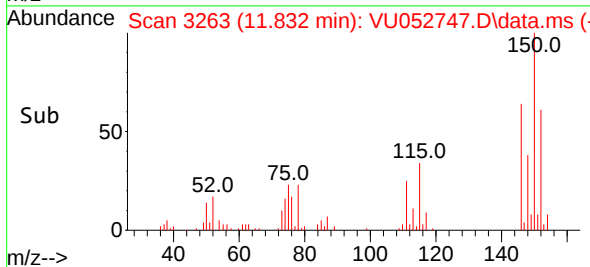
Reviewed By :John Carlone 01/20/2023
Supervised By :Mahesh Dadoda 01/20/2023

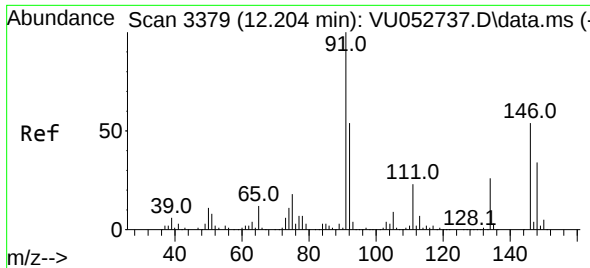


#88
1,4-Dichlorobenzene
Concen: 2.638 ug/l
RT: 11.832 min Scan# 3263
Delta R.T. 0.000 min
Lab File: VU052747.D
Acq: 19 Jan 2023 19:54



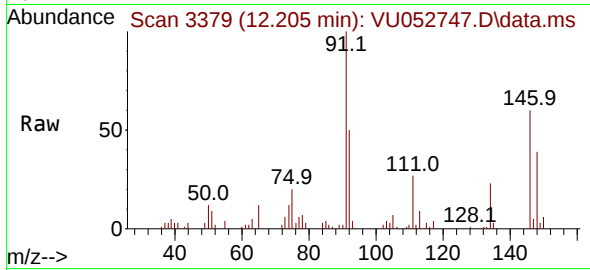
Tgt Ion:146 Resp: 13004
Ion Ratio Lower Upper
146 100
111 49.5 20.3 61.0
148 64.1 32.3 96.8





#89
n-Butylbenzene
Concen: 2.097 ug/l
RT: 12.205 min Scan# 3379
Delta R.T. 0.001 min
Lab File: VU052747.D
Acq: 19 Jan 2023 19:54

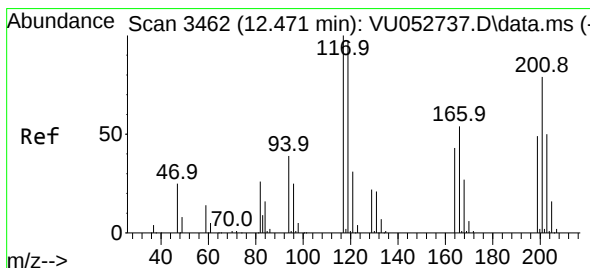
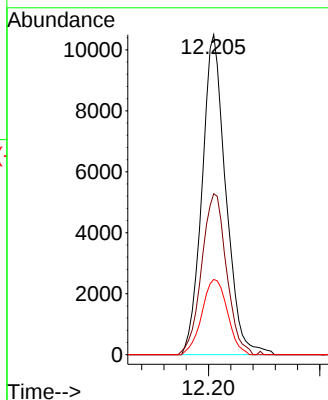
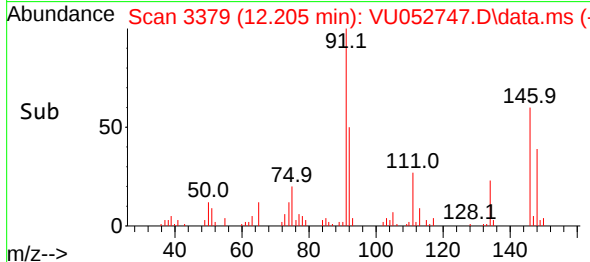
Instrument :
MSVOA_U
ClientSampleId :
MDL04



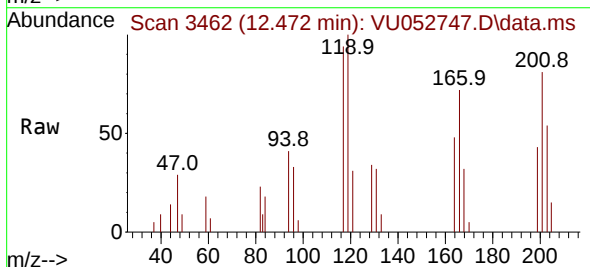
Tgt Ion: 91 Resp: 15524
Ion Ratio Lower Upper
91 100
92 52.7 26.8 80.3
134 25.3 13.1 39.3

Manual Integrations
APPROVED

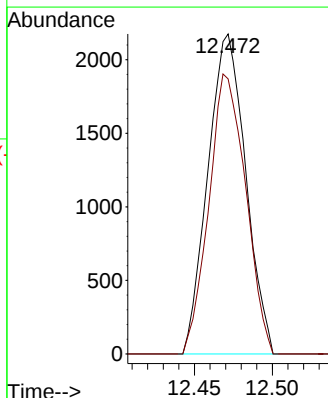
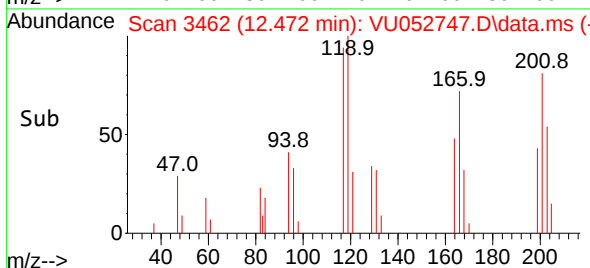
Reviewed By :John Carlone 01/20/2023
Supervised By :Mahesh Dadoda 01/20/2023

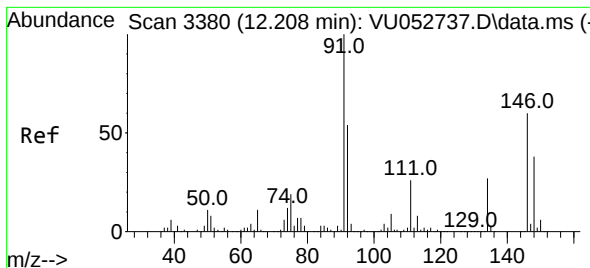


#90
Hexachloroethane
Concen: 2.212 ug/l
RT: 12.472 min Scan# 3462
Delta R.T. 0.000 min
Lab File: VU052747.D
Acq: 19 Jan 2023 19:54



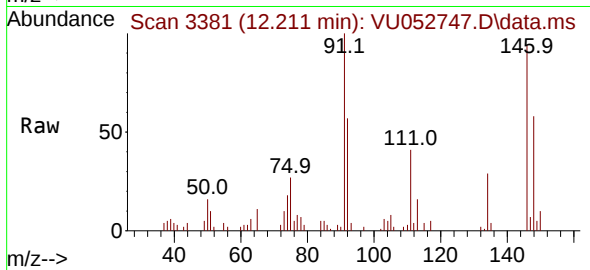
Tgt Ion:117 Resp: 3663
Ion Ratio Lower Upper
117 100
201 85.2 39.3 117.9





#91
1,2-Dichlorobenzene
Concen: 2.475 ug/l
RT: 12.211 min Scan# 3380
Delta R.T. 0.003 min
Lab File: VU052747.D
Acq: 19 Jan 2023 19:54

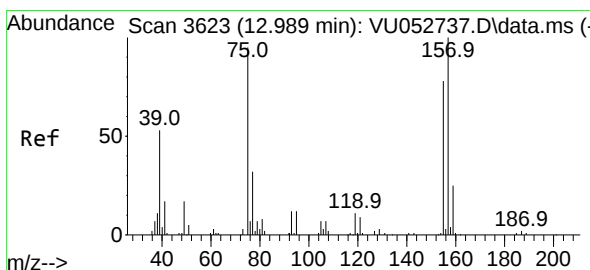
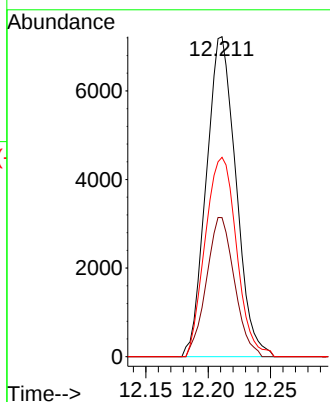
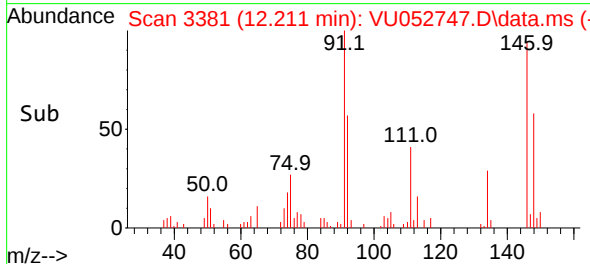
Instrument :
MSVOA_U
ClientSampleId :
MDL04



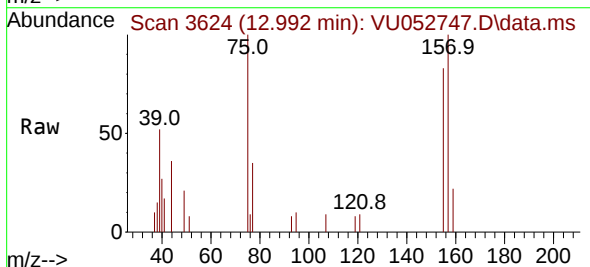
Tgt Ion:146 Resp: 11964
Ion Ratio Lower Upper
146 100
111 41.1 21.1 63.1
148 66.0 31.4 94.0

Manual Integrations
APPROVED

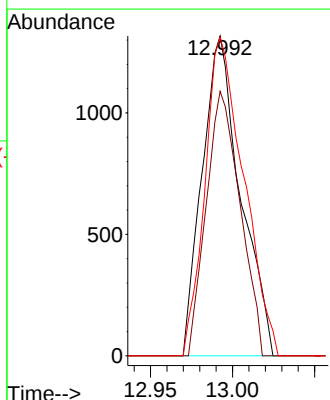
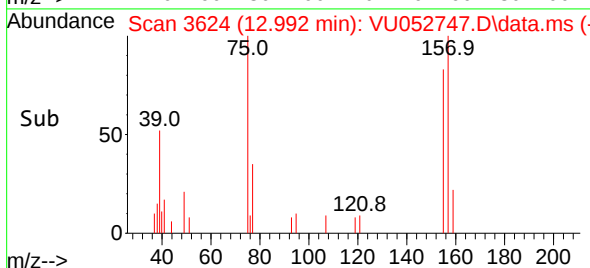
Reviewed By :John Carlone 01/20/2023
Supervised By :Mahesh Dadoda 01/20/2023

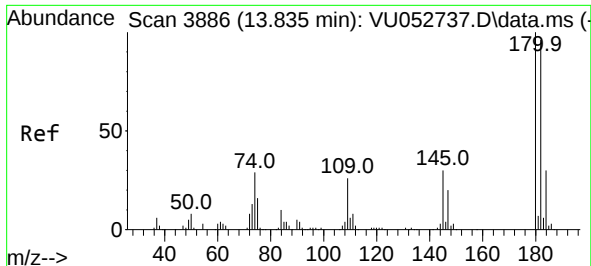


#92
1,2-Dibromo-3-Chloropropane
Concen: 2.673 ug/l
RT: 12.992 min Scan# 3624
Delta R.T. 0.003 min
Lab File: VU052747.D
Acq: 19 Jan 2023 19:54



Tgt Ion: 75 Resp: 2137
Ion Ratio Lower Upper
75 100
155 73.0 41.4 124.4
157 100.7 53.4 160.2





#93

1,2,4-Trichlorobenzene

Concen: 2.313 ug/l

RT: 13.838 min Scan# 3887

Delta R.T. 0.003 min

Lab File: VU052747.D

Acq: 19 Jan 2023 19:54

Instrument :

MSVOA_U

ClientSampleId :

MDL04

Tgt Ion:180 Resp: 6529

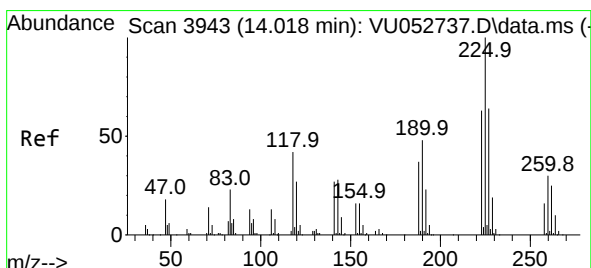
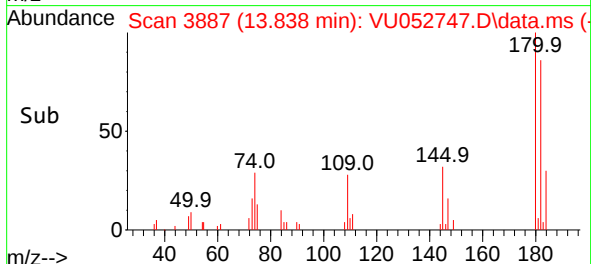
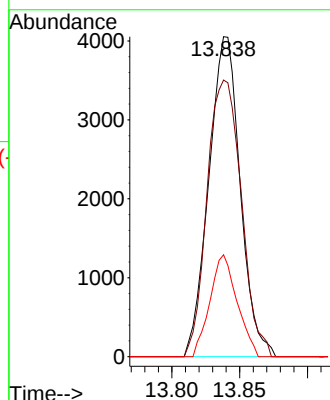
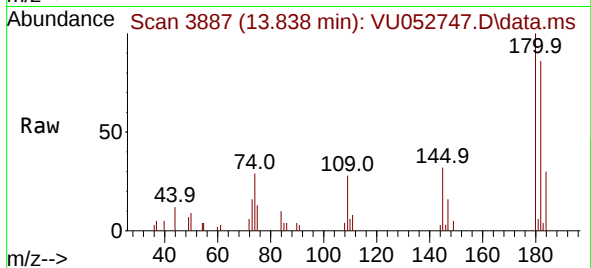
Ion	Ratio	Lower	Upper
180	100		
182	94.2	47.4	142.3
145	27.5	14.9	44.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/20/2023

Supervised By :Mahesh Dadoda 01/20/2023



#94

Hexachlorobutadiene

Concen: 2.350 ug/l

RT: 14.015 min Scan# 3942

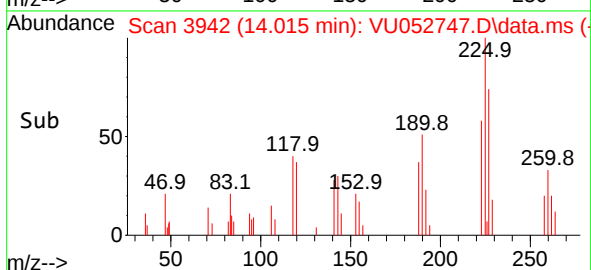
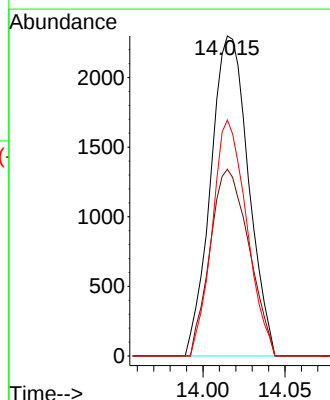
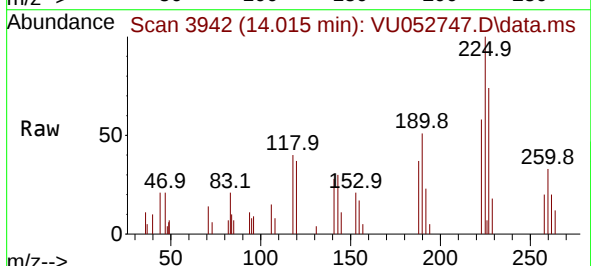
Delta R.T. -0.003 min

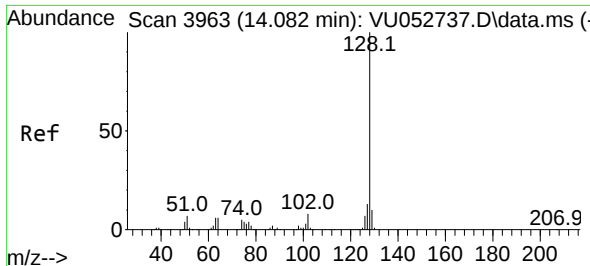
Lab File: VU052747.D

Acq: 19 Jan 2023 19:54

Tgt Ion:225 Resp: 3677

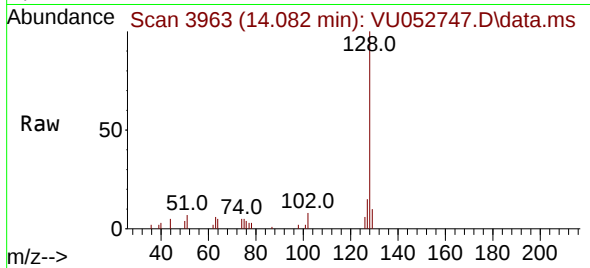
Ion	Ratio	Lower	Upper
225	100		
223	60.0	31.8	95.3
227	67.0	31.8	95.4





#95
Naphthalene
Concen: 2.088 ug/l
RT: 14.082 min Scan# 3963
Delta R.T. 0.000 min
Lab File: VU052747.D
Acq: 19 Jan 2023 19:54

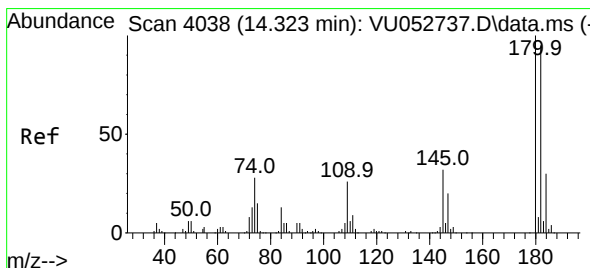
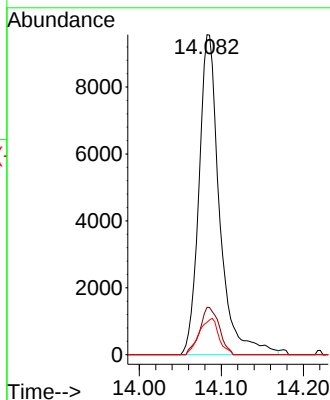
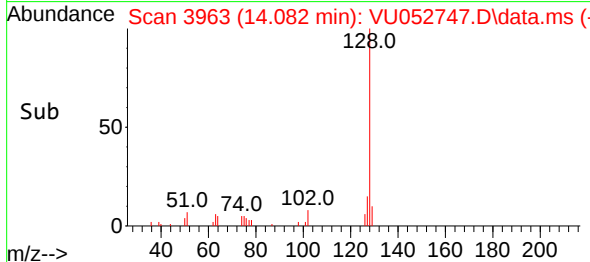
Instrument :
MSVOA_U
ClientSampleId :
MDL04



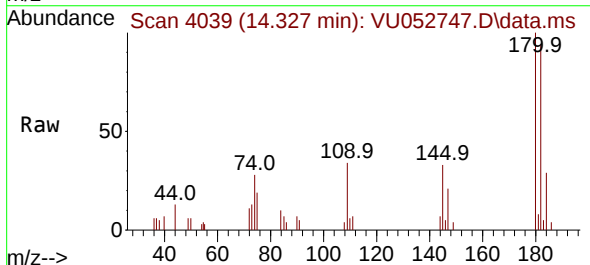
Tgt Ion:128 Resp: 16720
Ion Ratio Lower Upper
128 100
127 14.0 10.3 15.5
129 10.7 8.6 13.0

Manual Integrations
APPROVED

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



#96
1,2,3-Trichlorobenzene
Concen: 2.183 ug/l
RT: 14.327 min Scan# 4039
Delta R.T. 0.003 min
Lab File: VU052747.D
Acq: 19 Jan 2023 19:54



Tgt Ion:180 Resp: 6119
Ion Ratio Lower Upper
180 100
182 93.9 48.1 144.3
145 31.7 15.8 47.4

