

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU031822\
 Data File : VU047609.D
 Acq On : 18 Mar 2022 10:30
 Operator : SY/MD
 Sample : VSTDIC001
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/31/2022
 Supervised By : Mahesh Dadoda 03/31/2022

Quant Time: Mar 18 12:02:14 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U031822DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Mar 18 12:00:23 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.118	96	30152	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.635	95	10512	0.900	ug/l	0.00
Spiked Amount 1.000			Recovery	=	90.000%	
68) 1,2-Dichlorobenzene-d4	12.195	152	13094	1.077	ug/l	0.00
Spiked Amount 1.000			Recovery	=	108.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.388	85	10663	1.061	ug/l	97
3) Chloromethane	1.530	50	10042	0.973	ug/l	98
4) Vinyl Chloride	1.607	62	10017	0.983	ug/l	94
5) Bromomethane	1.861	94	5862	0.880	ug/l	99
6) Chloroethane	1.938	64	5621	0.960	ug/l	98
7) Trichlorofluoromethane	2.144	101	13593	1.131	ug/l	97
8) 1,1,2-Trichloro-1,2,2-...	2.588	101	7817	1.129	ug/l	90
9) 1,1-Dichloroethene	2.588	96	7755	1.088	ug/l	85
10) Iodomethane	2.726	142	1937	0.288	ug/l	92
11) Allyl Chloride	2.932	41	9906	0.892	ug/l	100
12) Acrylonitrile	3.333	53	3412	1.631	ug/l	90
13) Acetone	2.649	43	6978	5.735	ug/l	94
14) Carbon Disulfide	2.800	76	24557	1.019	ug/l	99
15) Methylene Chloride	3.051	84	12566	1.570	ug/l	97
16) trans-1,2-Dichloroethene	3.356	96	7971	1.060	ug/l	91
17) 1,1-Dichloroethane	3.874	63	13861	1.006	ug/l	99
18) 2-Butanone	4.732	43	10230	4.854	ug/l	96
19) Cyclohexane	5.391	56	9484m	0.743	ug/l	
20) Methylcyclohexane	6.764	83	10739	0.763	ug/l	95
21) 2,2-Dichloropropane	4.668	77	12066	0.980	ug/l	98
22) cis-1,2-Dichloroethene	4.671	96	8668	1.002	ug/l	88
23) Diethyl Ether	2.382	59	5532	0.960	ug/l	97
24) tert-Butyl Alcohol	3.247	59	4660	12.440	ug/l #	86
25) Methyl tert-Butyl Ether	3.375	73	18638	0.933	ug/l	93
26) Bromochloromethane	4.980	128	4444	1.142	ug/l	81
27) Chloroform	5.092	83	14900	1.065	ug/l	98
28) 1,1,1-Trichloroethane	5.321	97	12810	1.058	ug/l	96
29) 1,1-Dichloropropene	5.533	75	9795	0.884	ug/l	96
30) Carbon Tetrachloride	5.526	117	11482	1.079	ug/l	96
31) Isopropyl Ether	4.002	45	17011	0.772	ug/l	94
32) Ethyl-t-butyl ether	4.510	59	17425	0.778	ug/l	92
33) Tert-Amyl methyl ether	5.948	73	15869	0.769	ug/l	99
34) Propionitrile	4.813	54	2333	3.997	ug/l #	96
35) Benzene	5.777	78	30504	0.982	ug/l	98
36) 1,2-Dichloroethane	5.803	62	9118	0.970	ug/l	99
37) Trichloroethene	6.546	130	8793	1.023	ug/l	86
38) 1,2-Dichloropropane	6.793	63	7792	0.948	ug/l	95
39) Methacrylonitrile	4.986	41	2158	0.762	ug/l	93
40) Methyl acrylate	4.861	55	3486	0.728	ug/l #	89
41) Tetrahydrofuran	5.086	42	2474m	1.715	ug/l	
42) 1-Chlorobutane	5.462	56	12627	0.849	ug/l	98
43) Dibromomethane	6.925	93	4709	1.062	ug/l #	85
44) Bromodichloromethane	7.108	83	11154	1.064	ug/l #	96

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 ALS Vial : 3 Sample Multiplier: 1

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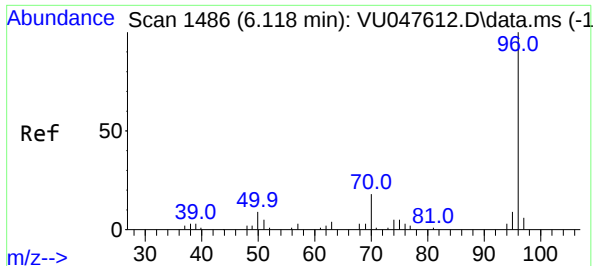
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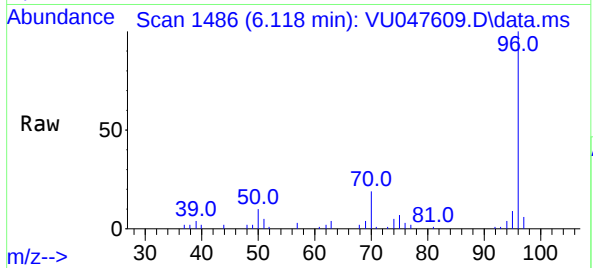
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.800	43	22572	3.765	ug/l	97
46) t-1,4-Dichloro-2-butene	10.841	75	3208m	1.229	ug/l	
47) Methyl methacrylate	6.967	69	7005	1.507	ug/l	91
48) Ethyl methacrylate	8.337	69	6291	0.668	ug/l	94
49) Toluene	7.973	92	17612	0.879	ug/l	97
50) t-1,3-Dichloropropene	8.214	75	9530	0.840	ug/l #	87
51) cis-1,3-Dichloropropene	7.613	75	10968	0.862	ug/l #	90
52) 1,1,2-Trichloroethane	8.404	97	6690	1.058	ug/l	95
53) 1,3-Dichloropropane	8.578	76	10950	0.969	ug/l	100
54) 2-Hexanone	8.693	43	15614	3.496	ug/l	97
55) Dibromochloromethane	8.812	129	8233	1.071	ug/l	99
56) 1,2-Dibromoethane	8.928	107	6274	0.982	ug/l	92
58) Tetrachloroethene	8.555	164	7931	1.000	ug/l	95
59) Chlorobenzene	9.449	112	21225	0.950	ug/l	97
60) 1,1,1,2-Tetrachloroethane	9.536	131	8301	1.081	ug/l	98
61) Pentachloroethane	11.430	117	7273	1.248	ug/l	90
62) Hexachloroethane	12.475	117	7050	1.120	ug/l #	70
63) Ethyl Benzene	9.571	91	30339	0.773	ug/l	96
64) m/p-Xylenes	9.697	106	23639	1.579	ug/l	93
65) o-Xylene	10.102	106	11298	0.779	ug/l	97
66) Styrene	10.115	104	18744	0.762	ug/l	96
67) Bromoform	10.291	173	5447	1.118	ug/l #	98
69) Isopropylbenzene	10.488	105	29406	0.754	ug/l	98
70) 1,1,2,2-Tetrachloroethane	10.783	83	8586	1.004	ug/l	98
71) 1,2,3-Trichloropropane	10.832	75	6670m	0.924	ug/l	
72) Bromobenzene	10.783	156	9942	1.044	ug/l	74
73) n-propylbenzene	10.906	120	8102	0.755	ug/l	95
74) 2-Chlorotoluene	10.989	126	8250	0.902	ug/l	85
75) 1,3,5-Trimethylbenzene	11.089	105	24653	0.771	ug/l	98
76) 4-Chlorotoluene	11.098	126	8818	0.917	ug/l	74
77) tert-Butylbenzene	11.423	119	25770	0.803	ug/l	91
78) 1,2,4-Trimethylbenzene	11.468	105	24774	0.759	ug/l	96
79) sec-Butylbenzene	11.645	105	32744	0.768	ug/l	96
80) Nitrobenzene	13.214	77	1628	3.944	ug/l #	93
81) p-Isopropyltoluene	11.793	119	27039	0.750	ug/l	96
82) 1,3-Dichlorobenzene	11.748	146	19869	1.072	ug/l	94
83) 1,4-Dichlorobenzene	11.838	146	19594	1.049	ug/l	97
84) n-Butylbenzene	12.211	91	26297	0.760	ug/l	95
85) 1,2-Dichlorobenzene	12.214	146	18651	1.045	ug/l	97
86) 1,2-Dibromo-3-Chloropr...	12.995	75	1474	0.940	ug/l #	83
87) 1,2,4-Trichlorobenzene	13.841	180	12354	0.882	ug/l	98
88) Hexachlorobutadiene	14.021	225	8140	1.136	ug/l	96
89) Naphthalene	14.089	128	17989	0.627	ug/l	100
90) 1,2,3-Trichlorobenzene	14.330	180	11766	0.936	ug/l	96

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



#1
Fluorobenzene
Concen: 1.000 ug/l
RT: 6.118 min Scan# 14
Delta R.T. -0.000 min
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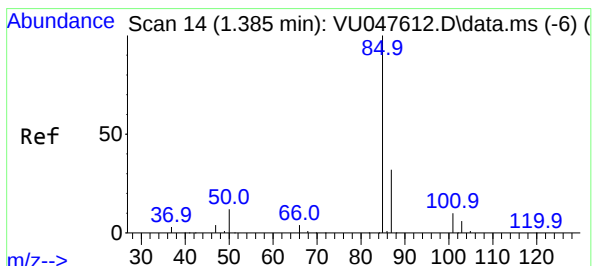
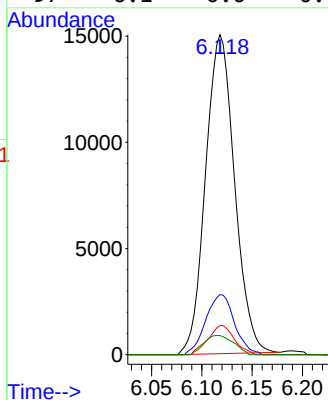
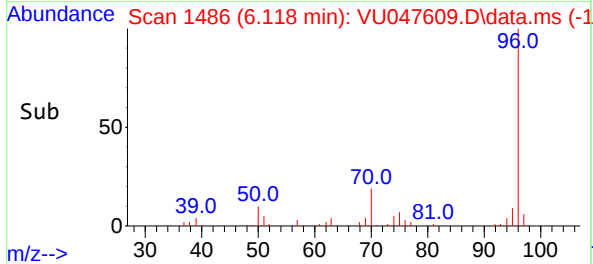
Instrument :
MSVOA_U
ClientSampleId :
VSTDICC001



Tgt Ion: 96 Resp: 30152
Ion Ratio Lower Upper
96 100
70 18.7 16.8 25.2
95 8.4 7.3 10.9
97 6.1 0.0 0.0#

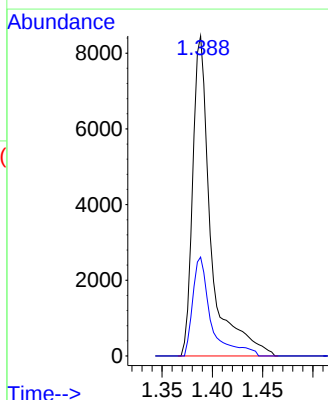
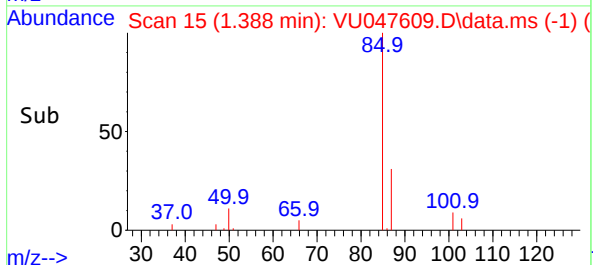
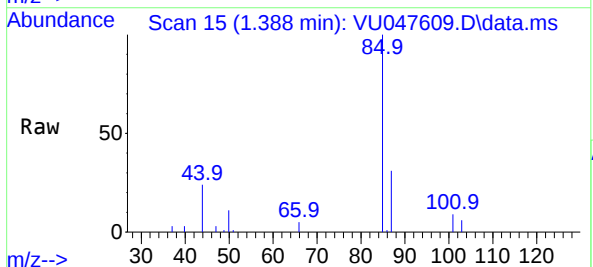
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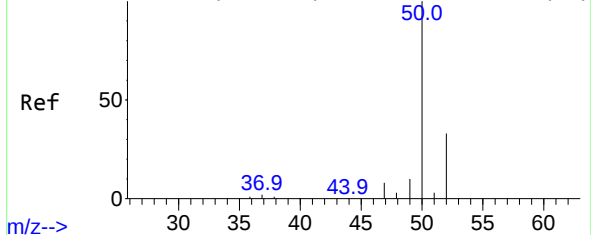


#2
Dichlorodifluoromethane
Concen: 1.061 ug/l
RT: 1.388 min Scan# 15
Delta R.T. -0.000 min
Lab File: VU047609.D
Acq: 18 Mar 2022 10:30

Tgt Ion: 85 Resp: 10663
Ion Ratio Lower Upper
85 100
87 30.9 16.2 48.6



Abundance Scan 58 (1.527 min): VU047612.D\data.ms (-48)



#3

Chloromethane

Concen: 0.973 ug/l

RT: 1.530 min Scan# 59

Delta R.T. -0.000 min

Lab File: VU047609.D

Acq: 18 Mar 2022 10:30

Instrument :

MSVOA_U

ClientSampleId :

VSTDICC001

Tgt Ion: 50 Resp: 1004

Ion Ratio Lower Upper

50 100

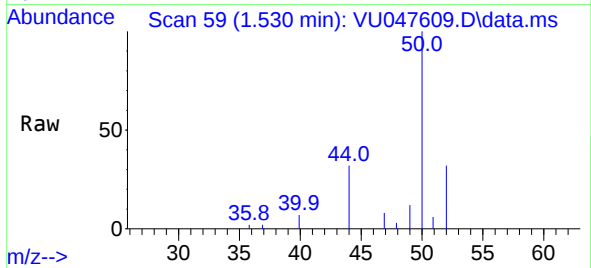
52 31.8 26.2 39.4

Manual Integrations

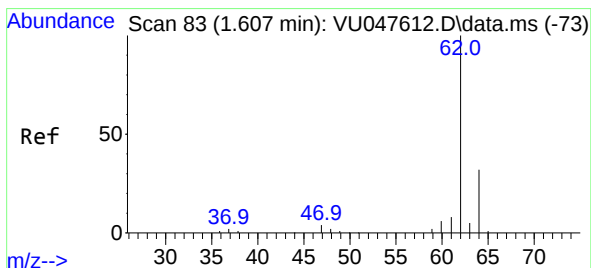
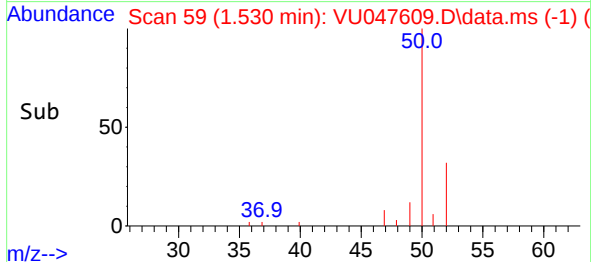
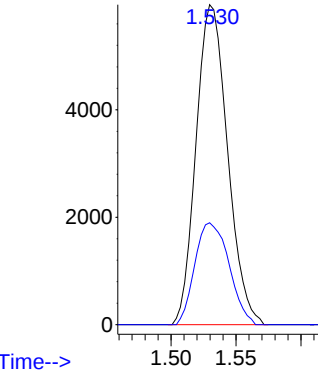
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Abundance



#4

Vinyl Chloride

Concen: 0.983 ug/l

RT: 1.607 min Scan# 83

Delta R.T. -0.003 min

Lab File: VU047609.D

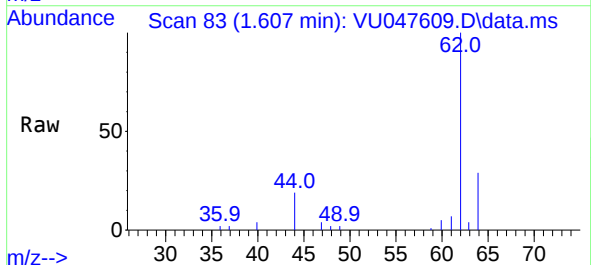
Acq: 18 Mar 2022 10:30

Tgt Ion: 62 Resp: 10017

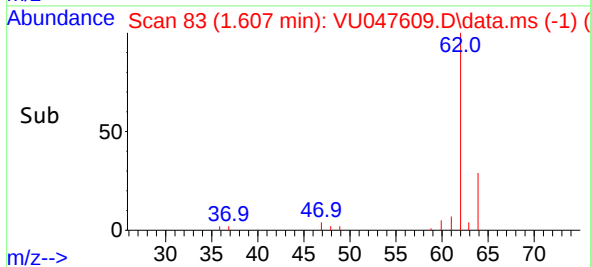
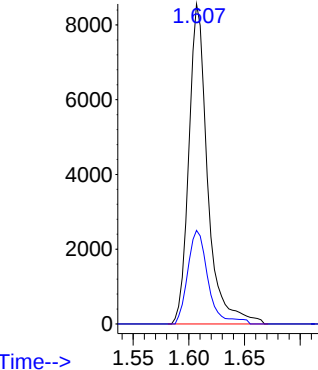
Ion Ratio Lower Upper

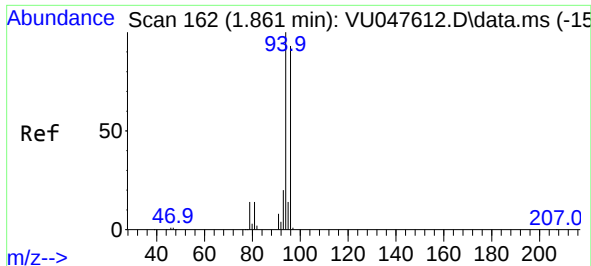
62 100

64 29.3 26.0 39.0



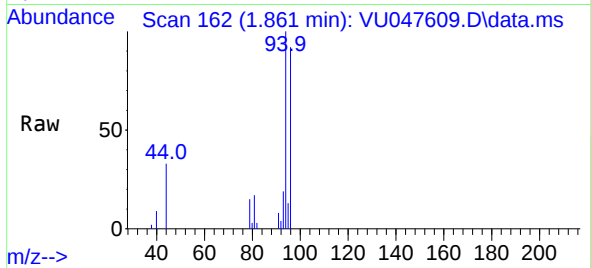
Abundance





#5
Bromomethane
Concen: 0.880 ug/l
RT: 1.861 min Scan# 10
Delta R.T. -0.003 min
Lab File: VU047609.D
Acq: 18 Mar 2022 10:30

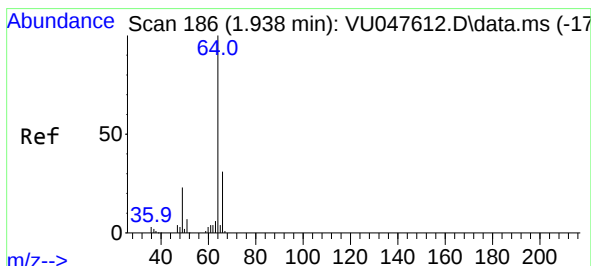
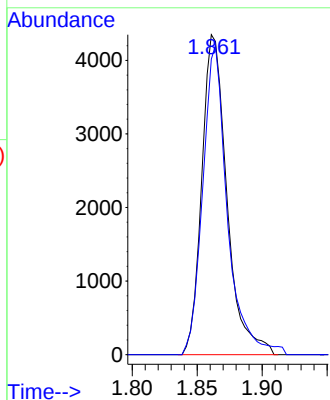
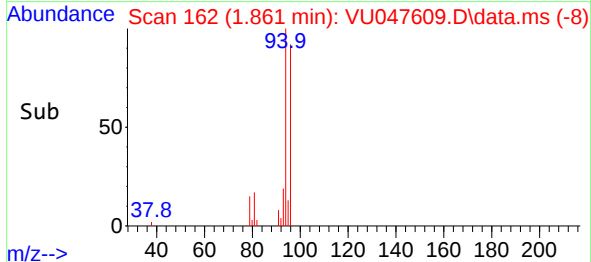
Instrument :
MSVOA_U
ClientSampleId :
VSTDICC001



Tgt Ion: 94 Resp: 5862
Ion Ratio Lower Upper
94 100
96 92.3 75.0 112.4

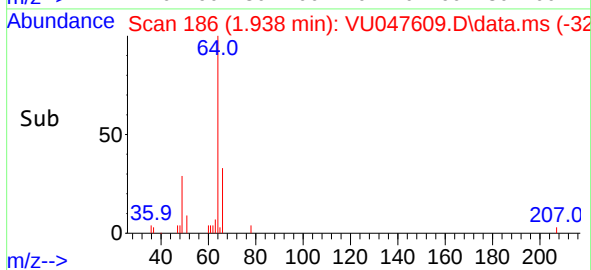
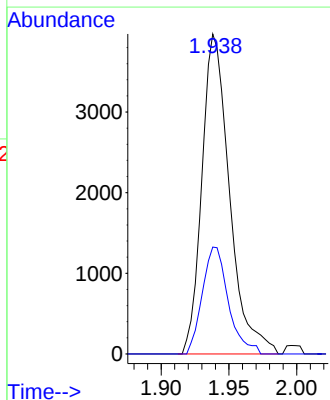
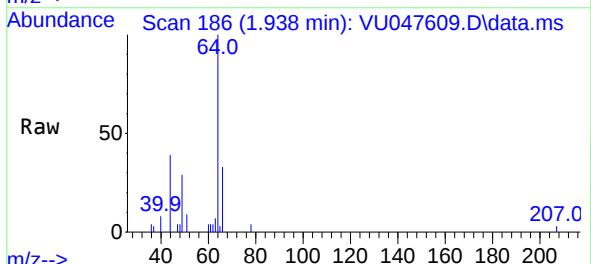
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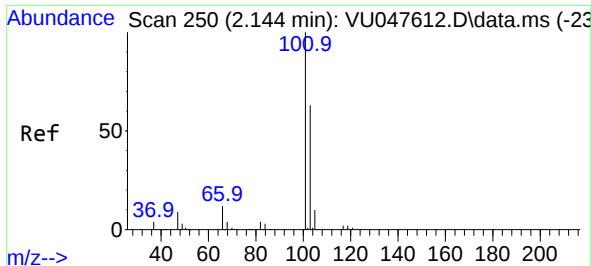
Reviewed By :John Carlone 03/31/2022
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#6
Chloroethane
Concen: 0.960 ug/l
RT: 1.938 min Scan# 186
Delta R.T. -0.003 min
Lab File: VU047609.D
Acq: 18 Mar 2022 10:30

Tgt Ion: 64 Resp: 5621
Ion Ratio Lower Upper
64 100
66 33.4 25.8 38.8





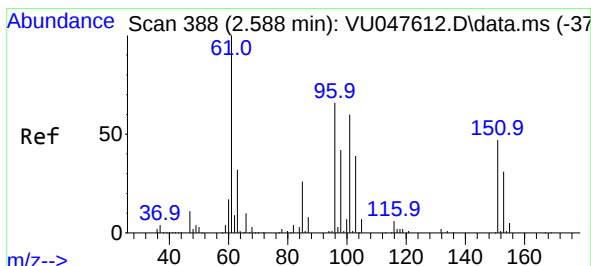
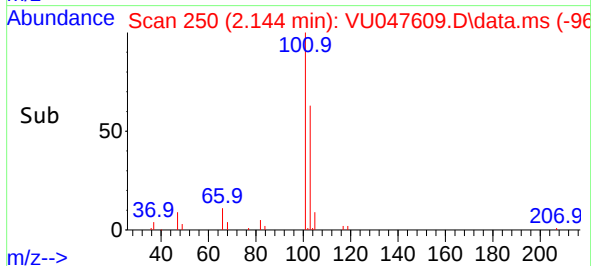
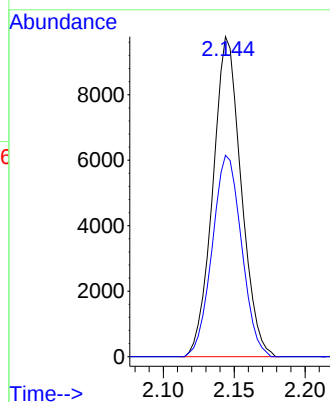
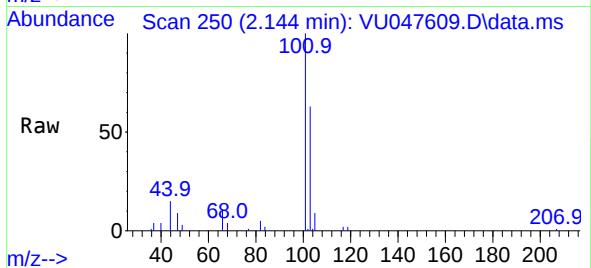
#7
Trichlorofluoromethane
Concen: 1.131 ug/l
RT: 2.144 min Scan# 210
Delta R.T. -0.003 min
Lab File: VU047609.D
Acq: 18 Mar 2022 10:30

Instrument :
MSVOA_U
ClientSampleId :
VSTDICC001

Tgt Ion:101 Resp: 1359
Ion Ratio Lower Upper
101 100
103 63.0 52.2 78.2

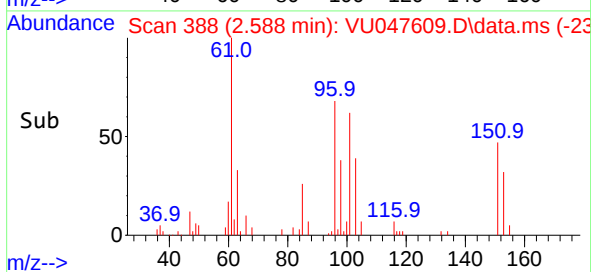
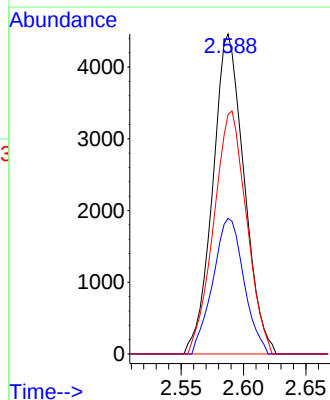
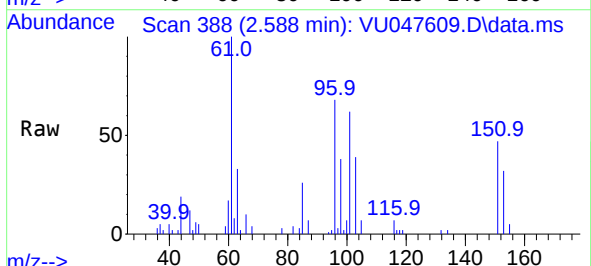
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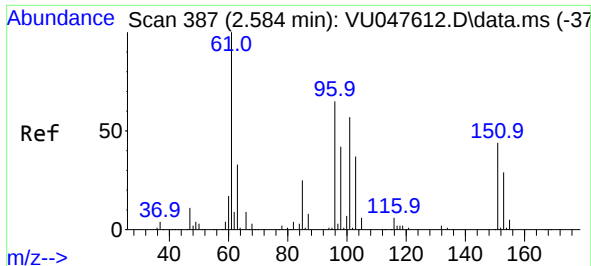
Reviewed By :John Carlone 03/31/2022
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#8
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 1.129 ug/l
RT: 2.588 min Scan# 388
Delta R.T. -0.003 min
Lab File: VU047609.D
Acq: 18 Mar 2022 10:30

Tgt Ion:101 Resp: 7817
Ion Ratio Lower Upper
101 100
85 41.9 35.8 53.6
151 79.3 54.6 81.8





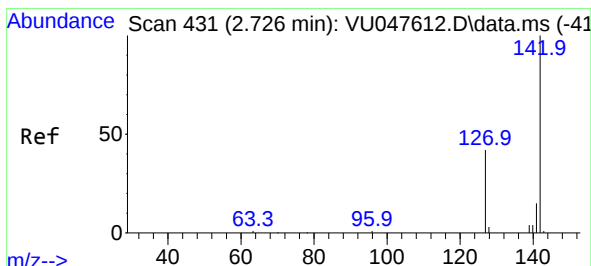
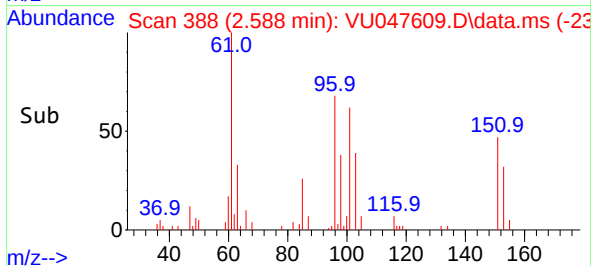
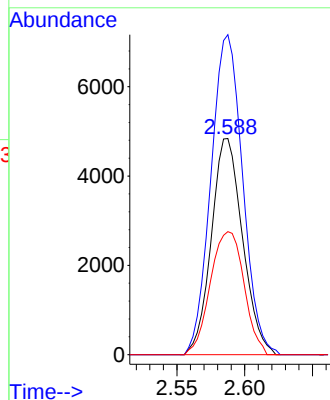
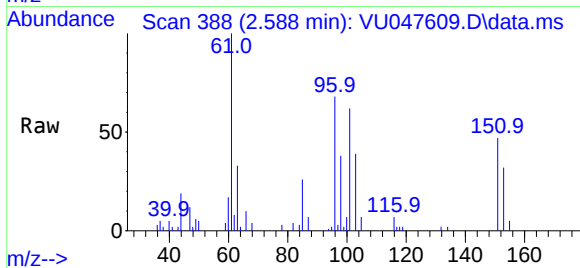
#9
1,1-Dichloroethene
Concen: 1.088 ug/l
RT: 2.588 min Scan# 387
Delta R.T. -0.000 min
Lab File: VU047609.D
Acq: 18 Mar 2022 10:30

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tgt Ion: 96 Resp: 775
Ion Ratio Lower Upper
96 100
61 148.1 0.0 514.2
98 56.9 0.0 126.4

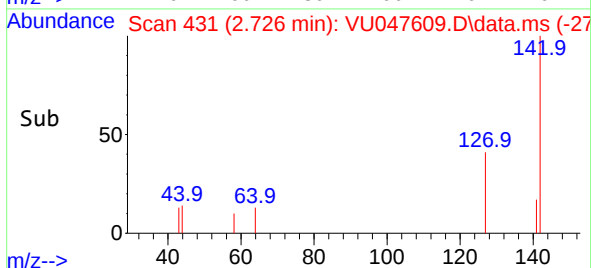
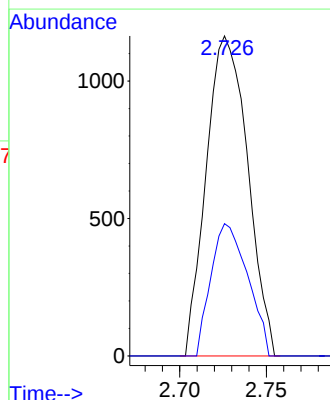
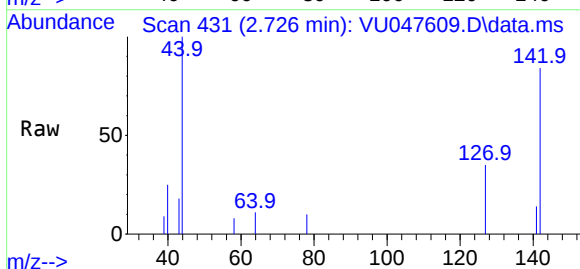
Manual Integrations
APPROVED

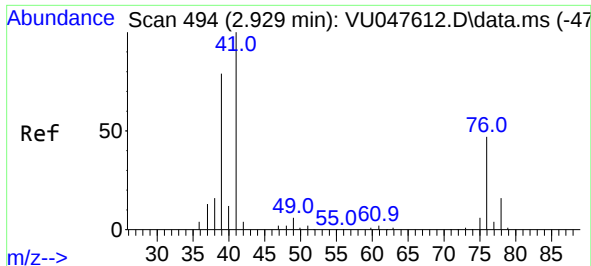
Reviewed By :John Carlone 03/31/2022
Supervised By :Mahesh Dadoda 03/31/2022



#10
Iodomethane
Concen: 0.288 ug/l
RT: 2.726 min Scan# 431
Delta R.T. -0.006 min
Lab File: VU047609.D
Acq: 18 Mar 2022 10:30

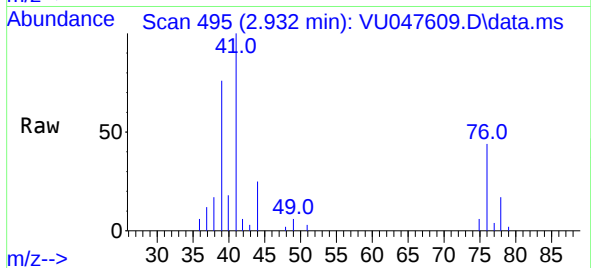
Tgt Ion:142 Resp: 1937
Ion Ratio Lower Upper
142 100
127 36.8 33.2 49.8





#11
 Allyl Chloride
 Concen: 0.892 ug/l
 RT: 2.932 min Scan# 494
 Delta R.T. -0.000 min
 Lab File: VU047609.D
 Acq: 18 Mar 2022 10:30

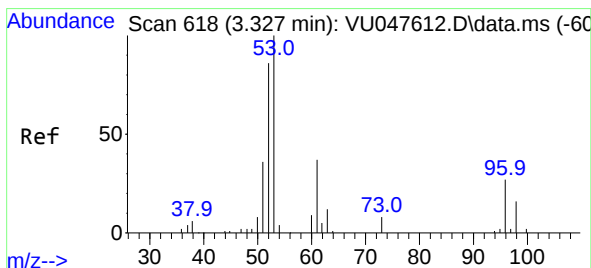
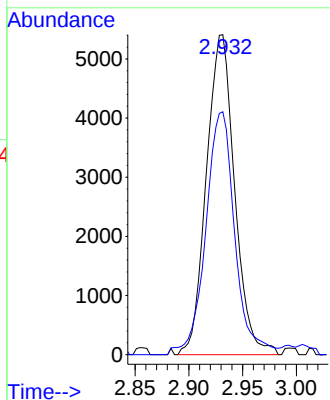
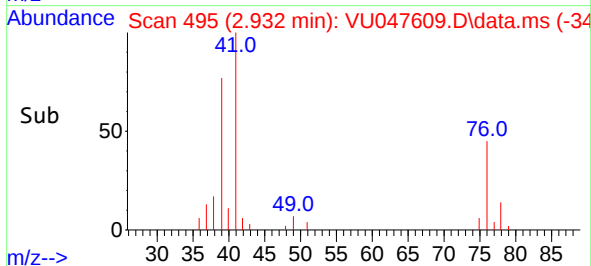
Instrument :
 MSVOA_U
 Client Sample Id :
 VSTDIC001



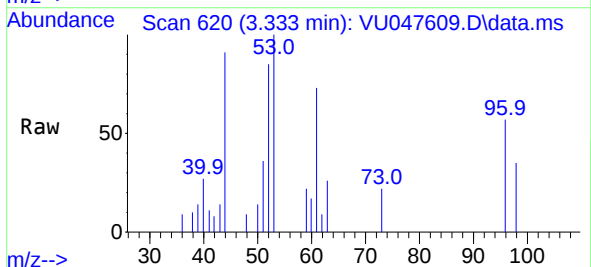
Tgt Ion: 41 Resp: 9900
 Ion Ratio Lower Upper
 41 100
 39 77.9 62.4 93.6

Manual Integrations
 APPROVED

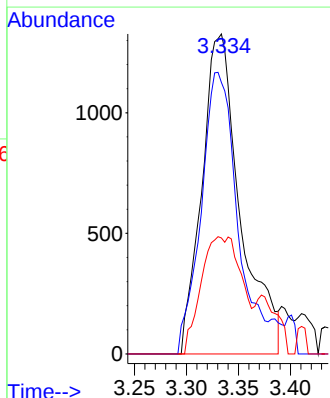
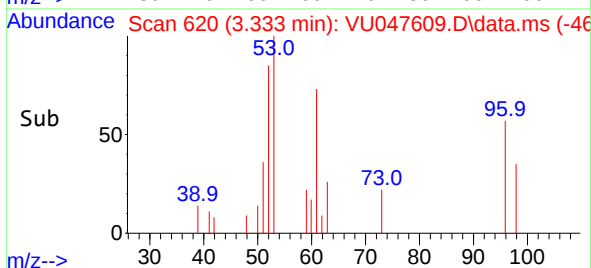
Reviewed By :John Carlone 03/31/2022
 Supervised By :Mahesh Dadoda 03/31/2022

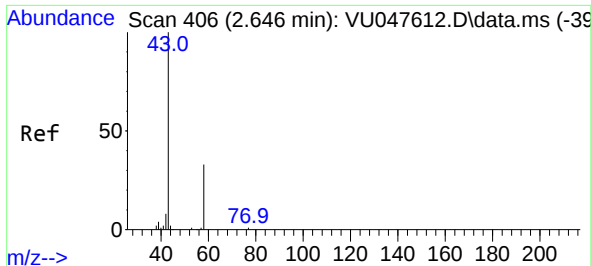


#12
 Acrylonitrile
 Concen: 1.631 ug/l
 RT: 3.333 min Scan# 620
 Delta R.T. 0.013 min
 Lab File: VU047609.D
 Acq: 18 Mar 2022 10:30



Tgt Ion: 53 Resp: 3412
 Ion Ratio Lower Upper
 53 100
 52 82.9 56.7 85.1
 51 38.6 30.3 45.5





#13

Acetone

Concen: 5.735 ug/l

RT: 2.649 min Scan# 407

Delta R.T. 0.013 min

Lab File: VU047609.D

Acq: 18 Mar 2022 10:30

Instrument :

MSVOA_U

ClientSampleId :

VSTDICC001

Tgt Ion: 43 Resp: 6978

Ion Ratio Lower Upper

43 100

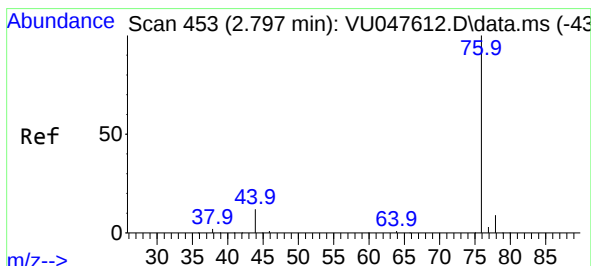
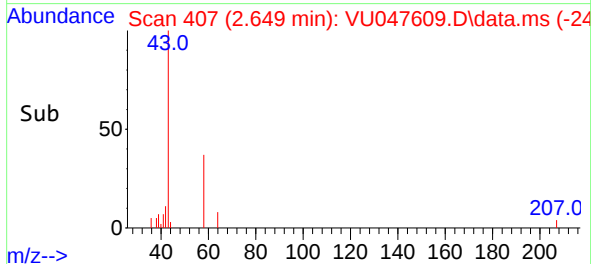
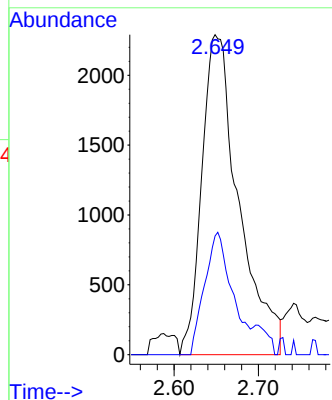
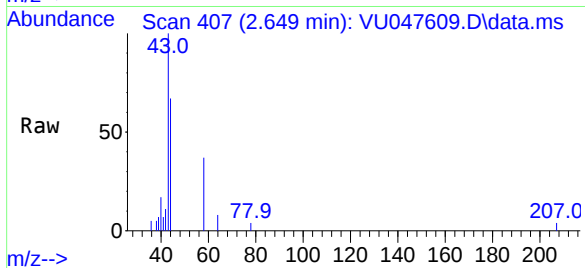
58 37.1 27.1 40.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/31/2022

Supervised By :Mahesh Dadoda 03/31/2022



#14

Carbon Disulfide

Concen: 1.019 ug/l

RT: 2.800 min Scan# 454

Delta R.T. -0.003 min

Lab File: VU047609.D

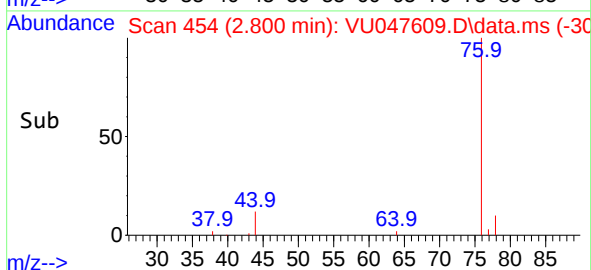
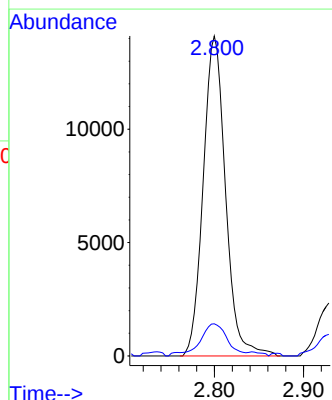
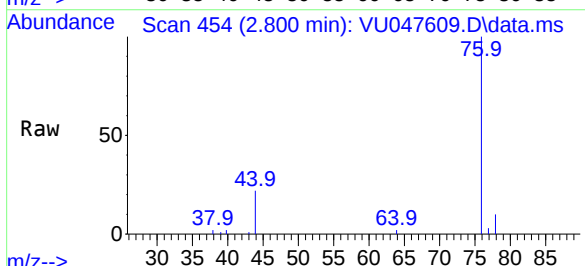
Acq: 18 Mar 2022 10:30

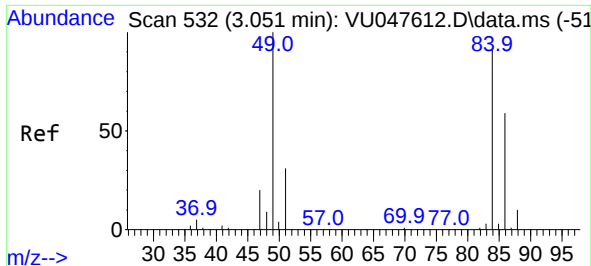
Tgt Ion: 76 Resp: 24557

Ion Ratio Lower Upper

76 100

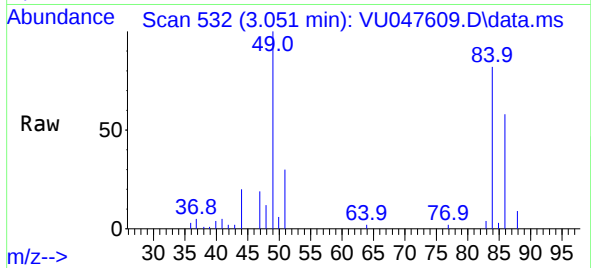
78 9.3 7.1 10.7





#15
Methylene Chloride
Concen: 1.570 ug/l
RT: 3.051 min Scan# 51
Delta R.T. -0.003 min
Lab File: VU047609.D
Acq: 18 Mar 2022 10:30

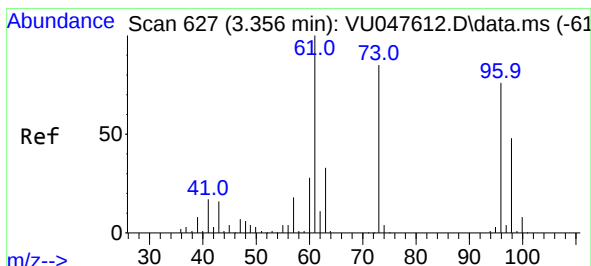
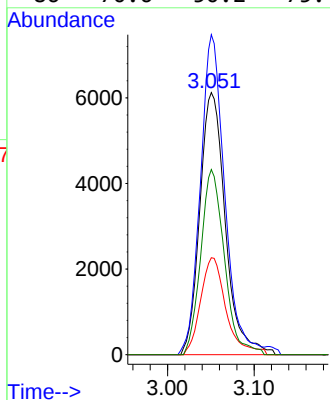
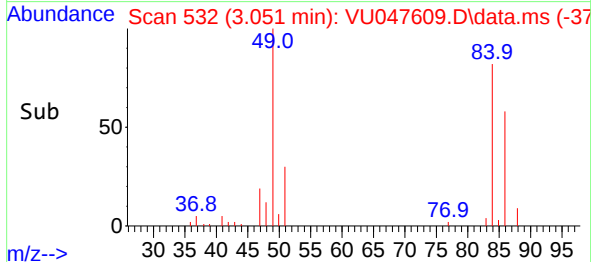
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001



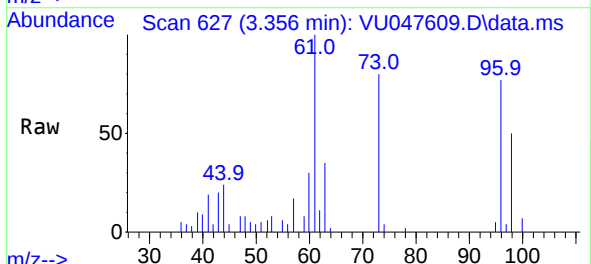
Tgt Ion: 84 Resp: 1256
Ion Ratio Lower Upper
84 100
49 122.1 97.2 145.8
51 37.0 0.0 73.4
86 70.6 50.2 75.4

Manual Integrations
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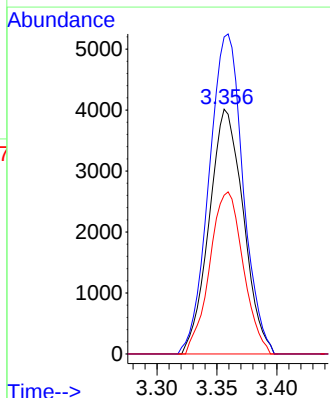
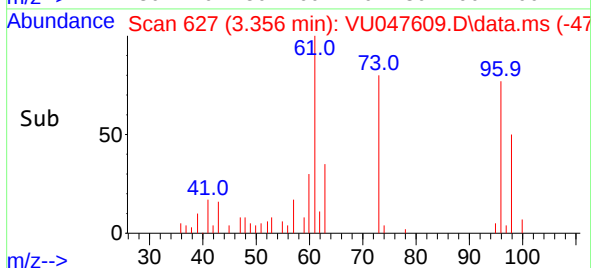
Reviewed By :John Carlone 03/31/2022
Supervised By :Mahesh Dadoda 03/31/2022

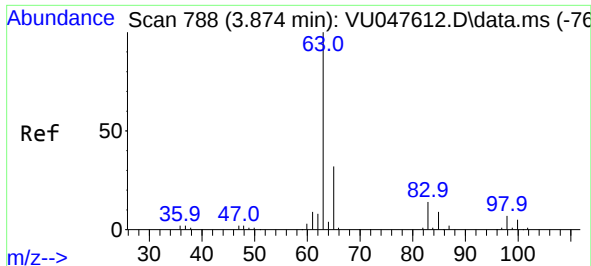


#16
trans-1,2-Dichloroethene
Concen: 1.060 ug/l
RT: 3.356 min Scan# 627
Delta R.T. -0.003 min
Lab File: VU047609.D
Acq: 18 Mar 2022 10:30



Tgt Ion: 96 Resp: 7971
Ion Ratio Lower Upper
96 100
61 129.5 115.8 173.6
98 64.8 51.1 76.7





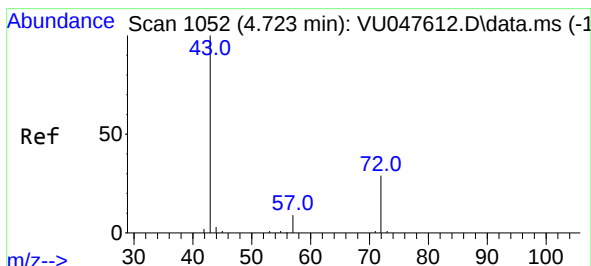
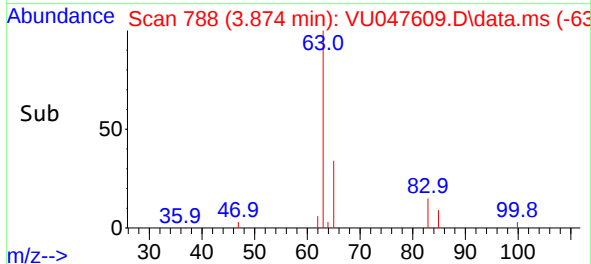
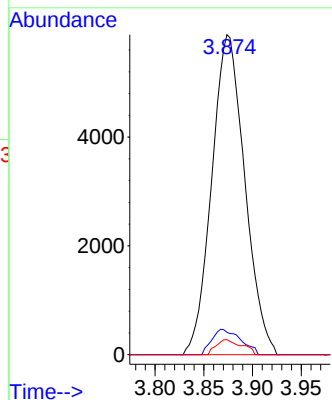
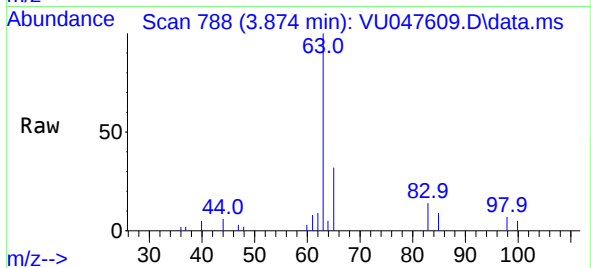
#17
1,1-Dichloroethane
Concen: 1.006 ug/l
RT: 3.874 min Scan# 71
Delta R.T. -0.003 min
Lab File: VU047609.D
Acq: 18 Mar 2022 10:30

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tgt Ion: 63 Resp: 1386
Ion Ratio Lower Upper
63 100
98 7.0 3.6 10.8
100 4.7 2.1 6.5

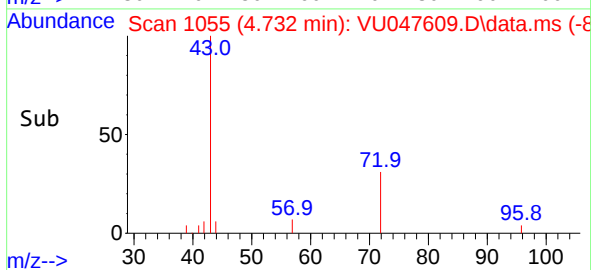
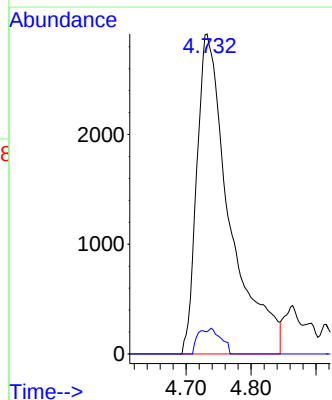
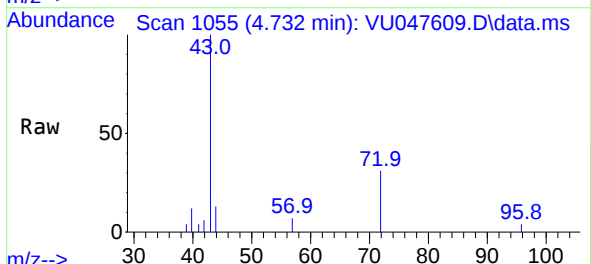
Manual Integrations
APPROVED

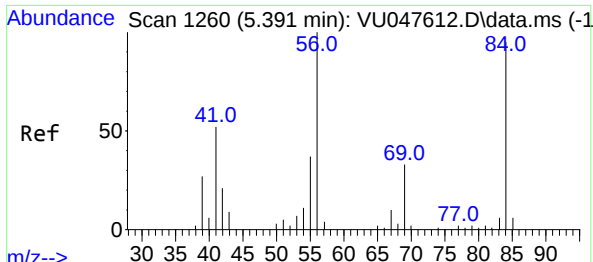
Reviewed By :John Carlone 03/31/2022
Supervised By :Mahesh Dadoda 03/31/2022



#18
2-Butanone
Concen: 4.854 ug/l
RT: 4.732 min Scan# 1055
Delta R.T. 0.019 min
Lab File: VU047609.D
Acq: 18 Mar 2022 10:30

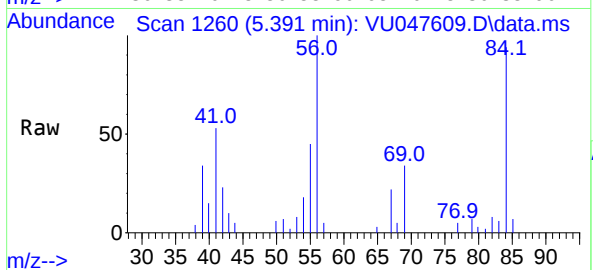
Tgt Ion: 43 Resp: 10230
Ion Ratio Lower Upper
43 100
57 7.0 0.0 16.6





#19
Cyclohexane
Concen: 0.743 ug/l m
RT: 5.391 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU047609.D
Acq: 18 Mar 2022 10:30

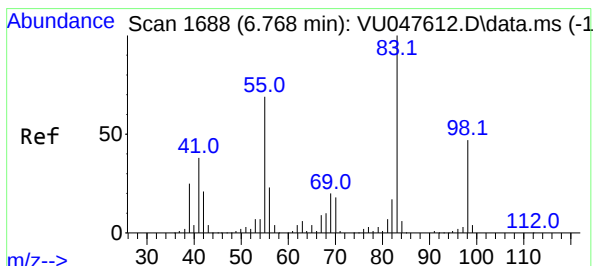
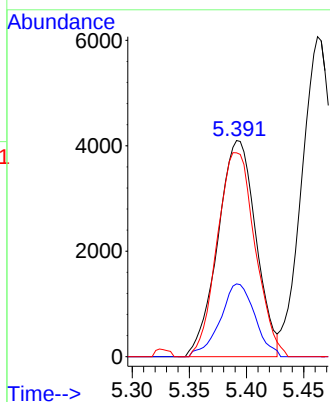
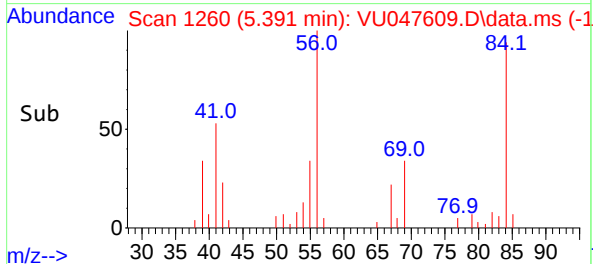
Instrument :
MSVOA_U
ClientSampleId :
VSTDICC001



Tgt Ion: 56 Resp: 948
Ion Ratio Lower Upper
56 100
69 30.7 24.7 37.1
84 93.8 68.8 103.2

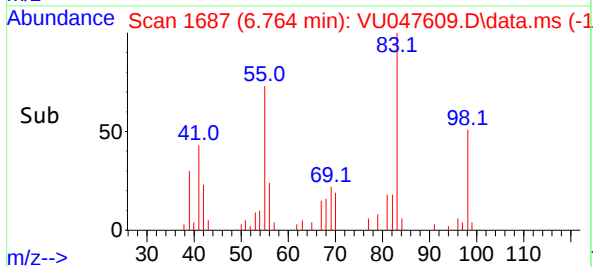
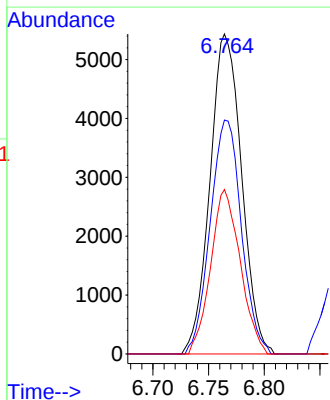
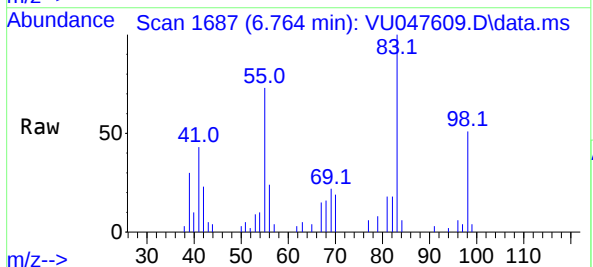
Manual Integrations
APPROVED

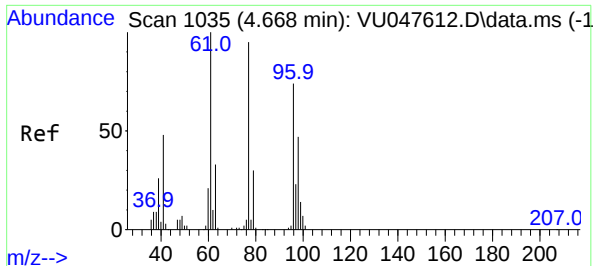
Reviewed By :John Carlone 03/31/2022
Supervised By :Mahesh Dadoda 03/31/2022



#20
Methylcyclohexane
Concen: 0.763 ug/l
RT: 6.764 min Scan# 1687
Delta R.T. -0.003 min
Lab File: VU047609.D
Acq: 18 Mar 2022 10:30

Tgt Ion: 83 Resp: 10739
Ion Ratio Lower Upper
83 100
55 72.0 61.9 92.9
98 48.1 37.4 56.2





#21

2,2-Dichloropropane

Concen: 0.980 ug/l

RT: 4.668 min Scan# 1035

Delta R.T. -0.003 min

Lab File: VU047609.D

Acq: 18 Mar 2022 10:30

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tgt Ion: 77 Resp: 1206

Ion Ratio Lower Upper

77 100

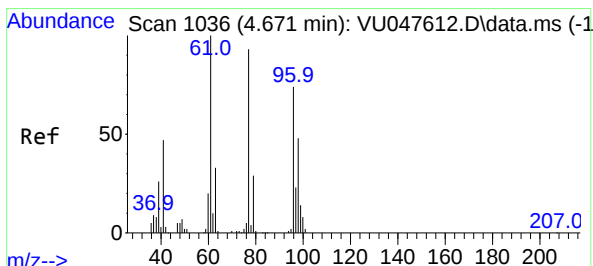
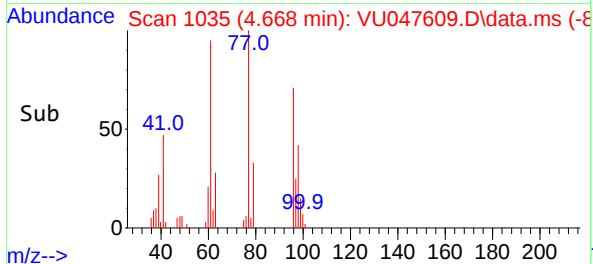
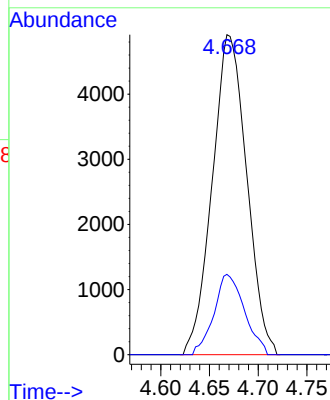
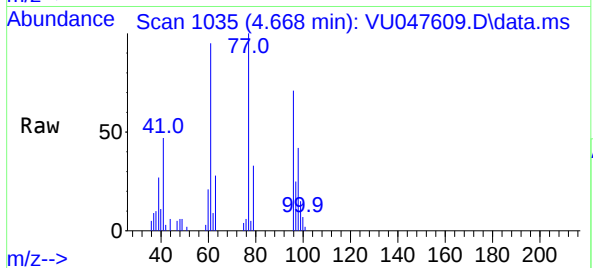
97 22.3 17.2 25.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/31/2022

Supervised By :Mahesh Dadoda 03/31/2022



#22

cis-1,2-Dichloroethene

Concen: 1.002 ug/l

RT: 4.671 min Scan# 1036

Delta R.T. -0.003 min

Lab File: VU047609.D

Acq: 18 Mar 2022 10:30

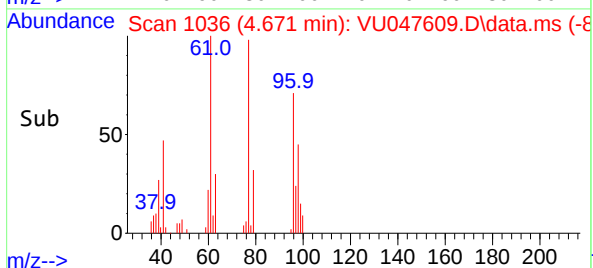
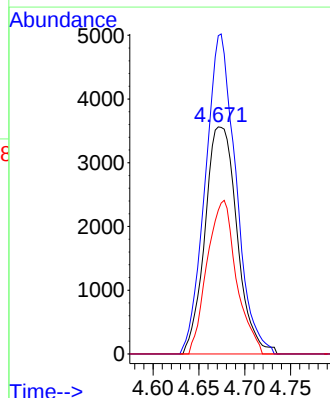
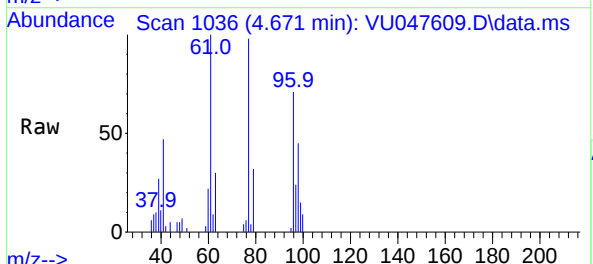
Tgt Ion: 96 Resp: 8668

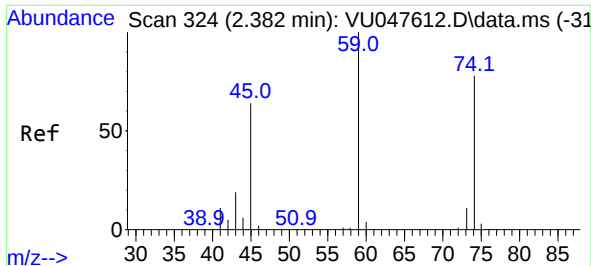
Ion Ratio Lower Upper

96 100

61 134.1 0.0 385.3

98 61.7 32.1 96.3





#23

Diethyl Ether

Concen: 0.960 ug/l

RT: 2.382 min Scan# 31

Delta R.T. -0.000 min

Lab File: VU047609.D

Acq: 18 Mar 2022 10:30

Instrument :

MSVOA_U

ClientSampleId :

VSTDICC001

Tgt Ion: 59 Resp: 553

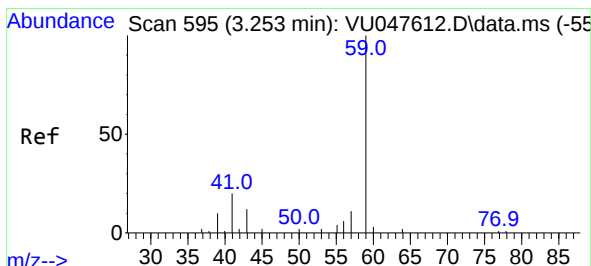
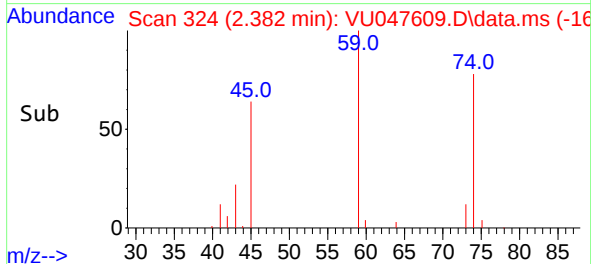
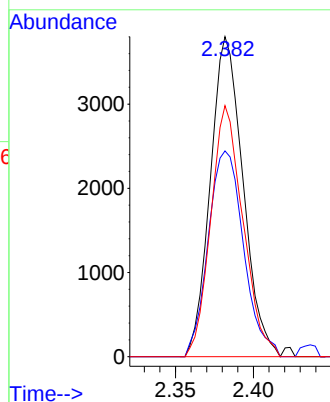
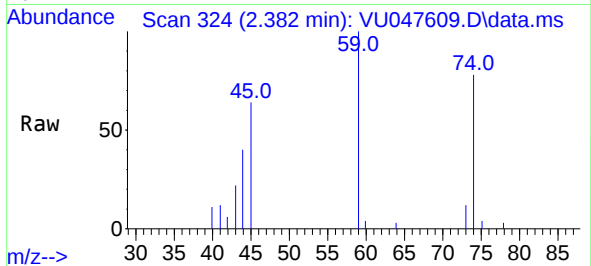
Ion	Ratio	Lower	Upper
59	100		
45	69.7	55.6	83.4
74	77.4	58.1	87.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/31/2022

Supervised By :Mahesh Dadoda 03/31/2022



#24

tert-Butyl Alcohol

Concen: 12.440 ug/l

RT: 3.247 min Scan# 593

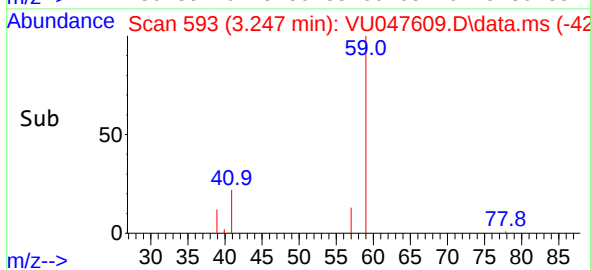
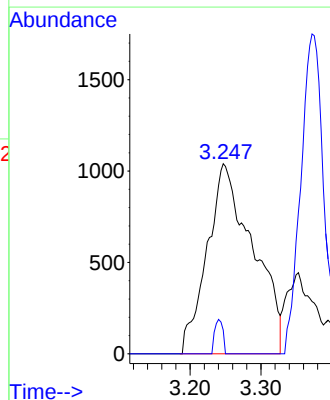
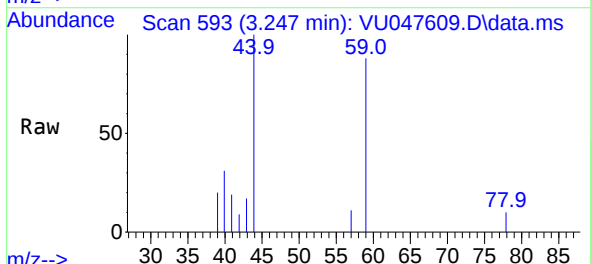
Delta R.T. 0.042 min

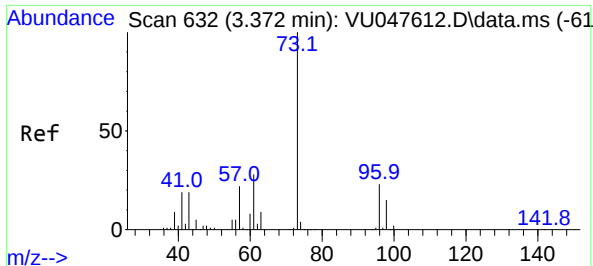
Lab File: VU047609.D

Acq: 18 Mar 2022 10:30

Tgt Ion: 59 Resp: 4660

Ion	Ratio	Lower	Upper
59	100		
57	3.2	6.5	9.7#





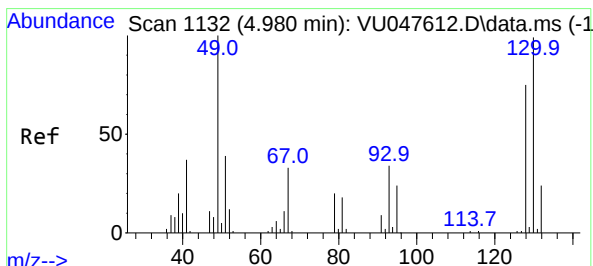
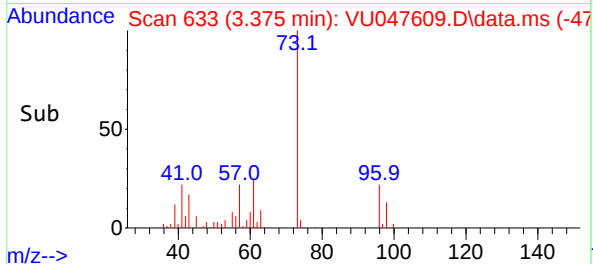
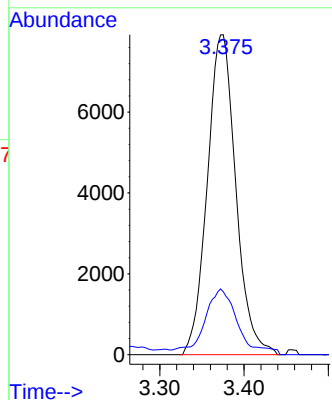
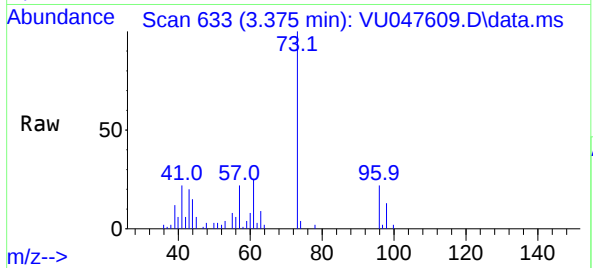
#25
Methyl tert-Butyl Ether
Concen: 0.933 ug/l
RT: 3.375 min Scan# 61
Delta R.T. 0.003 min
Lab File: VU047609.D
Acq: 18 Mar 2022 10:30

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tgt Ion: 73 Resp: 18638
Ion Ratio Lower Upper
73 100
43 23.9 16.3 24.5

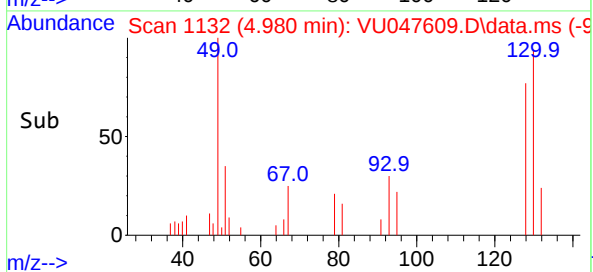
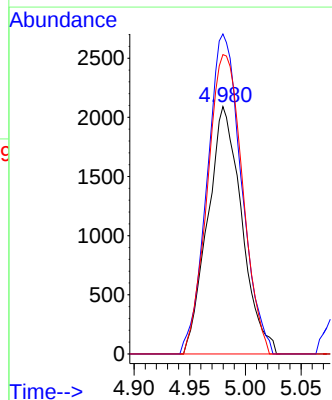
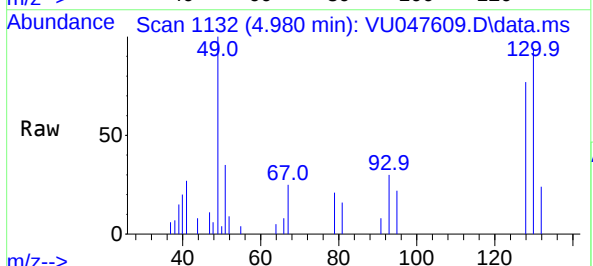
Manual Integrations
APPROVED

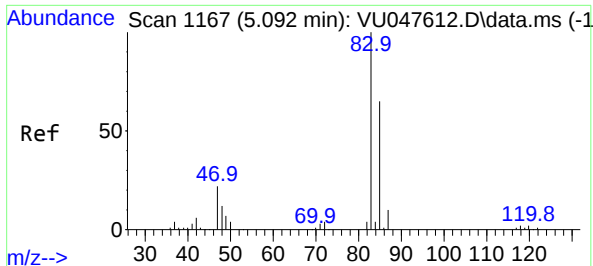
Reviewed By :John Carlone 03/31/2022
Supervised By :Mahesh Dadoda 03/31/2022



#26
Bromochloromethane
Concen: 1.142 ug/l
RT: 4.980 min Scan# 1132
Delta R.T. -0.003 min
Lab File: VU047609.D
Acq: 18 Mar 2022 10:30

Tgt Ion:128 Resp: 4444
Ion Ratio Lower Upper
128 100
49 130.2 0.0 347.4
130 124.8 101.5 152.3





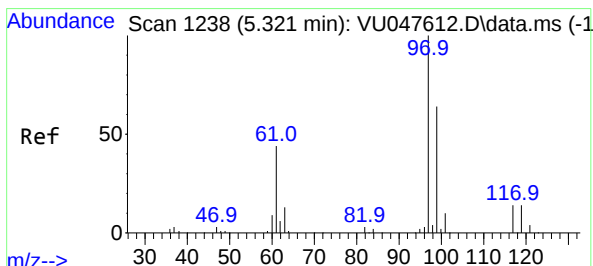
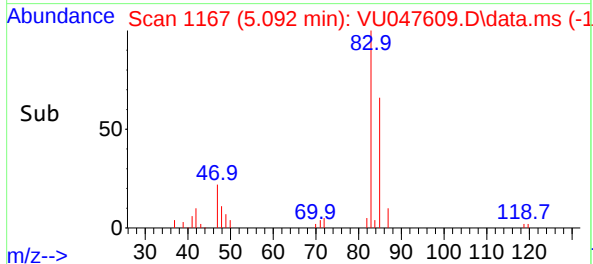
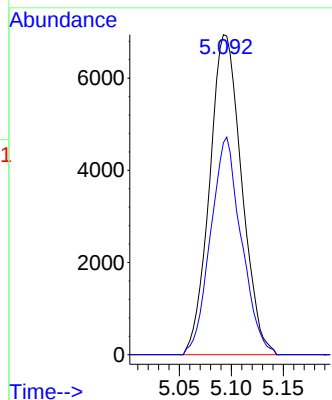
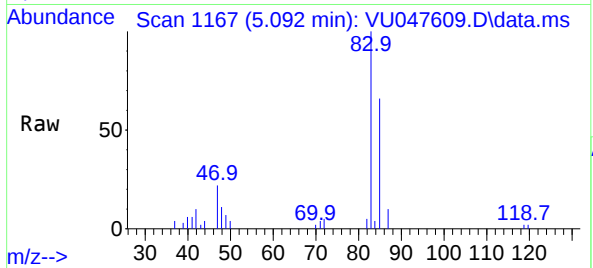
#27
Chloroform
Concen: 1.065 ug/l
RT: 5.092 min Scan# 1167
Delta R.T. -0.003 min
Lab File: VU047609.D
Acq: 18 Mar 2022 10:30

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tgt Ion: 83 Resp: 14900
Ion Ratio Lower Upper
83 100
85 66.3 0.0 129.2

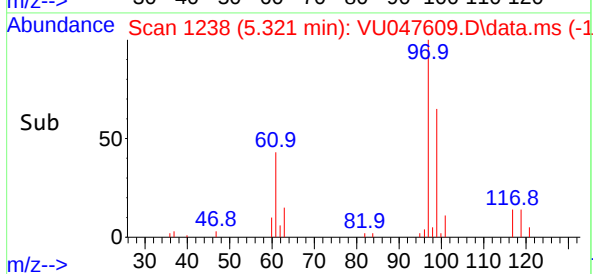
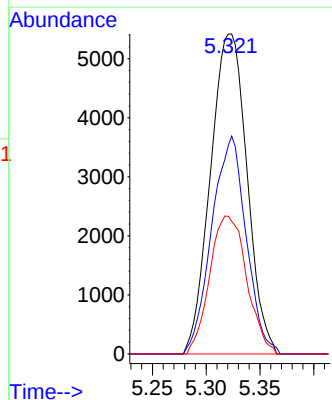
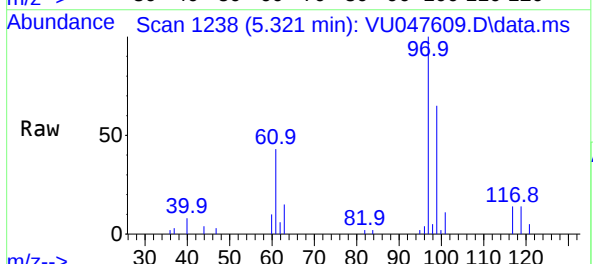
Manual Integrations
APPROVED

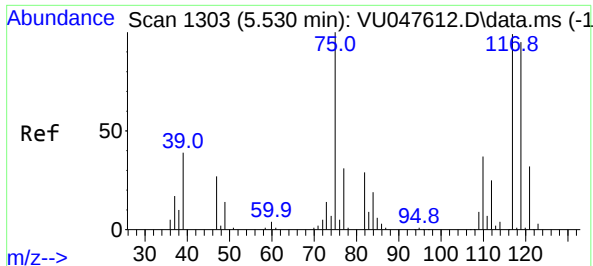
Reviewed By :John Carlone 03/31/2022
Supervised By :Mahesh Dadoda 03/31/2022



#28
1,1,1-Trichloroethane
Concen: 1.058 ug/l
RT: 5.321 min Scan# 1238
Delta R.T. -0.003 min
Lab File: VU047609.D
Acq: 18 Mar 2022 10:30

Tgt Ion: 97 Resp: 12810
Ion Ratio Lower Upper
97 100
99 64.1 32.2 96.6
61 43.6 24.5 73.5





#29

1,1-Dichloropropene

Concen: 0.884 ug/l

RT: 5.533 min Scan# 11

Delta R.T. 0.003 min

Lab File: VU047609.D

Acq: 18 Mar 2022 10:30

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tgt Ion: 75 Resp: 979

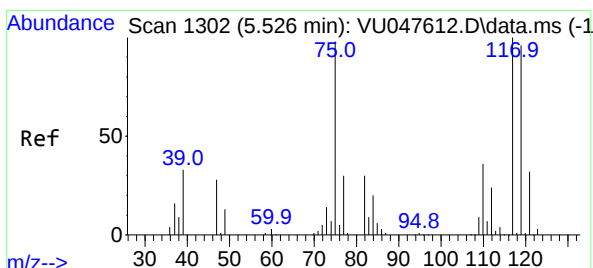
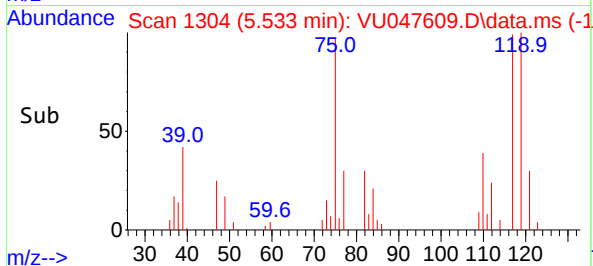
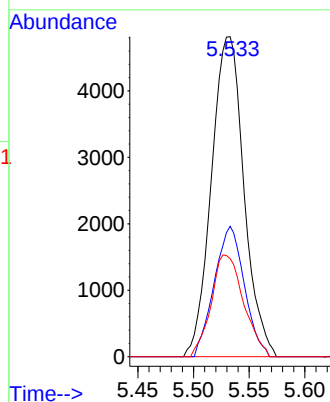
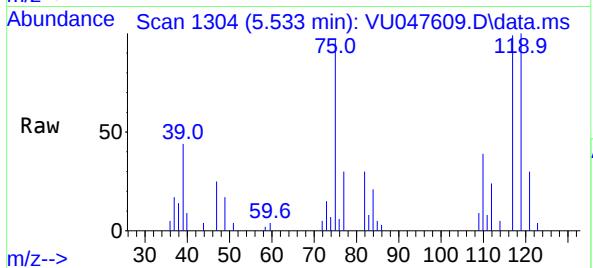
Ion	Ratio	Lower	Upper
75	100		
110	37.7	16.8	50.3
77	31.6	24.7	37.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/31/2022

Supervised By :Mahesh Dadoda 03/31/2022



#30

Carbon Tetrachloride

Concen: 1.079 ug/l

RT: 5.526 min Scan# 1302

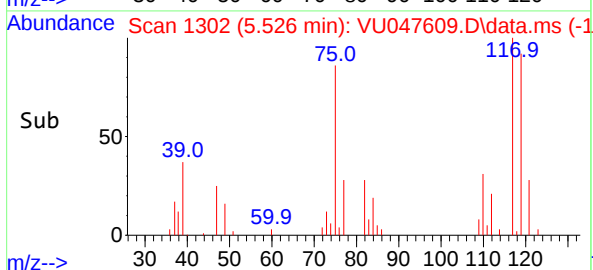
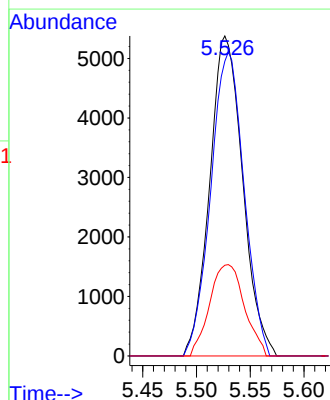
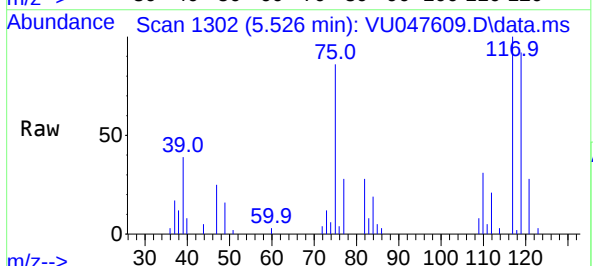
Delta R.T. -0.003 min

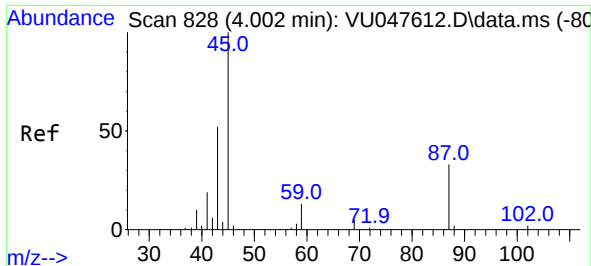
Lab File: VU047609.D

Acq: 18 Mar 2022 10:30

Tgt Ion:117 Resp: 11482

Ion	Ratio	Lower	Upper
117	100		
119	92.1	76.8	115.2
121	28.3	24.6	37.0





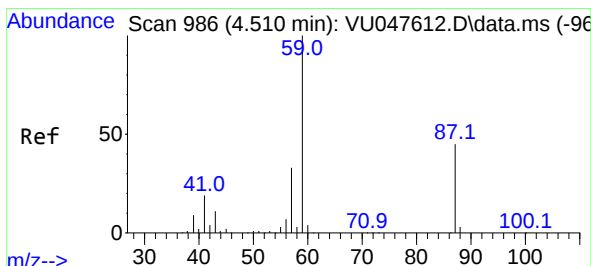
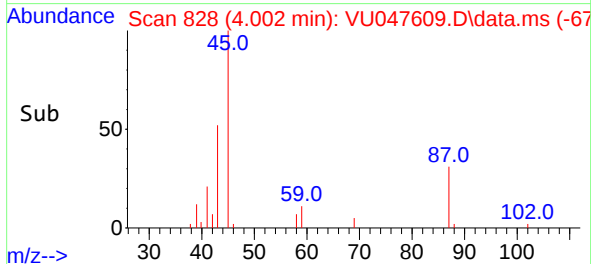
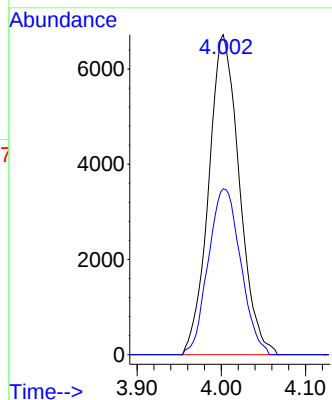
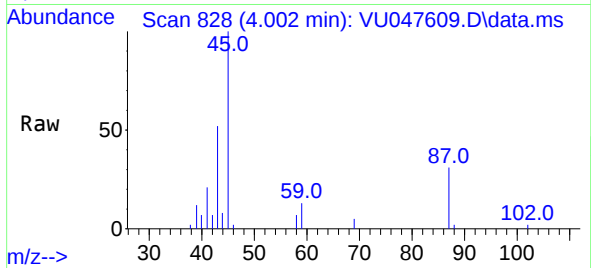
#31
Isopropyl Ether
Concen: 0.772 ug/l
RT: 4.002 min Scan# 811
Delta R.T. -0.000 min
Lab File: VU047609.D
Acq: 18 Mar 2022 10:30

Instrument :
MSVOA_U
ClientSampleId :
VSTDICC001

Tgt Ion: 45 Resp: 1701
Ion Ratio Lower Upper
45 100
43 54.8 25.3 75.8

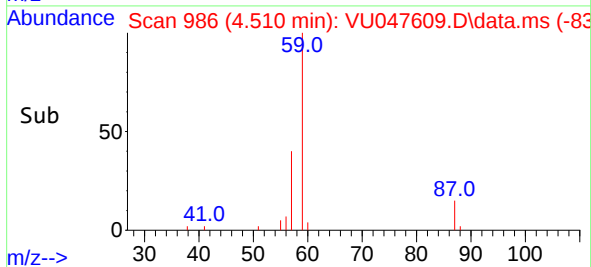
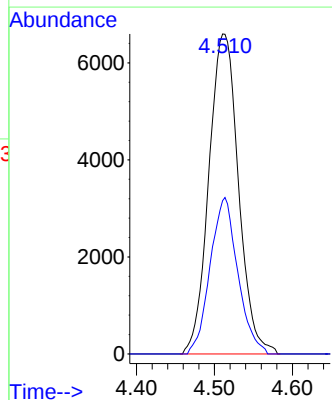
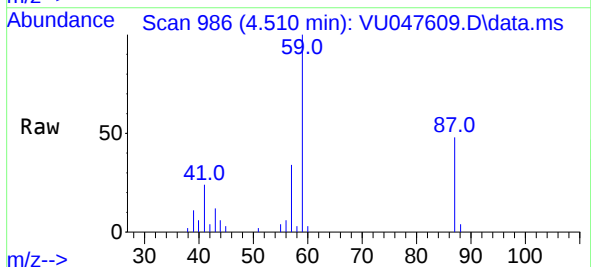
Manual Integrations
APPROVED

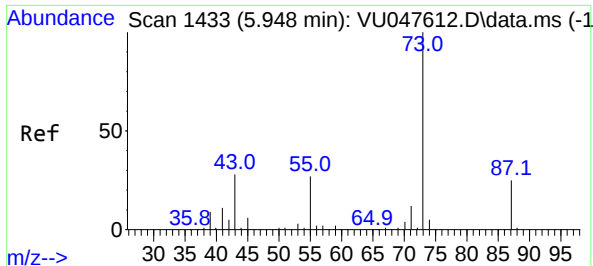
Reviewed By :John Carlone 03/31/2022
Supervised By :Mahesh Dadoda 03/31/2022



#32
Ethyl-t-butyl ether
Concen: 0.778 ug/l
RT: 4.510 min Scan# 986
Delta R.T. 0.003 min
Lab File: VU047609.D
Acq: 18 Mar 2022 10:30

Tgt Ion: 59 Resp: 17425
Ion Ratio Lower Upper
59 100
87 45.6 32.7 49.1





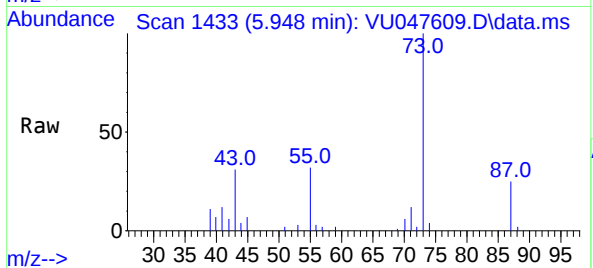
Tert-Amyl methyl ether
 Concen: 0.769 ug/l
 RT: 5.948 min Scan# 1433
 Delta R.T. 0.003 min
 Lab File: VU047609.D
 Acq: 18 Mar 2022 10:30

Instrument :

MSVOA_U

ClientSampleId :

VSTDICC001

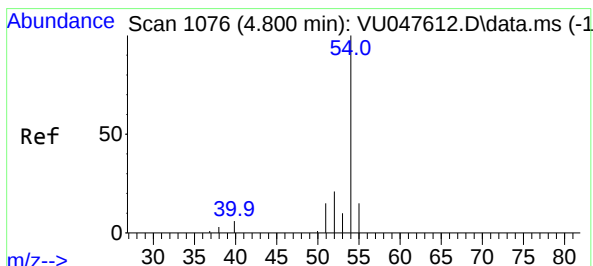
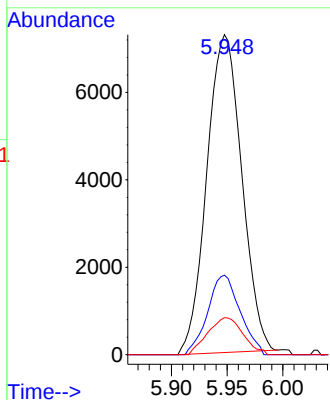
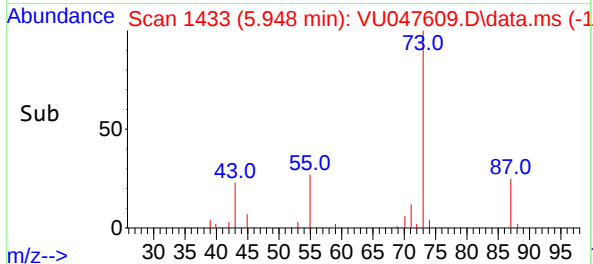


Tgt Ion: 73 Resp: 15869
 Ion Ratio Lower Upper
 73 100
 87 23.2 18.6 28.0
 71 11.8 9.0 13.6

Manual Integrations

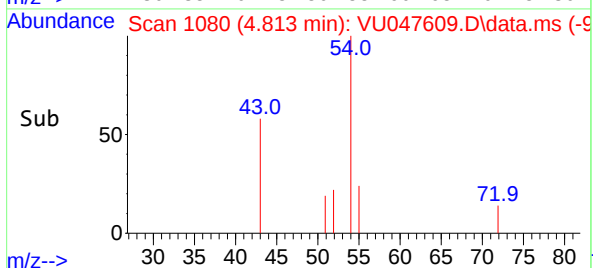
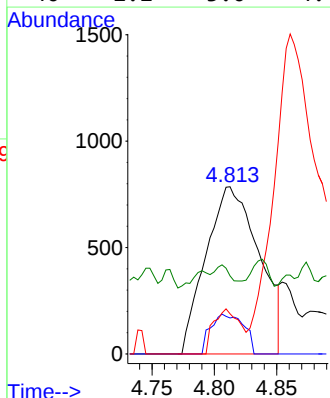
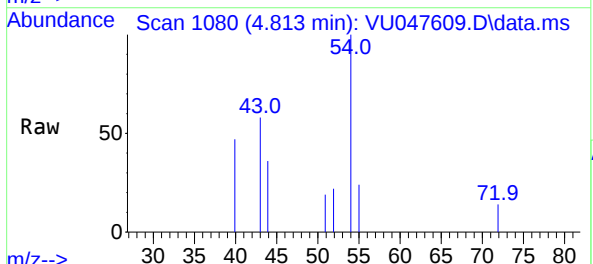
APPROVED

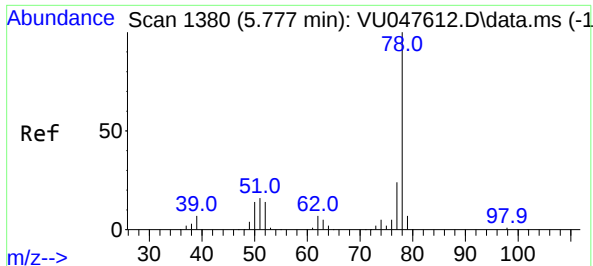
Reviewed By :John Carlone 03/31/2022
 Supervised By :Mahesh Dadoda 03/31/2022



Propionitrile
 Concen: 3.997 ug/l
 RT: 4.813 min Scan# 1080
 Delta R.T. 0.026 min
 Lab File: VU047609.D
 Acq: 18 Mar 2022 10:30

Tgt Ion: 54 Resp: 2333
 Ion Ratio Lower Upper
 54 100
 52 14.8 11.9 17.9
 55 13.3 8.0 12.0#
 40 2.2 3.0 4.4#





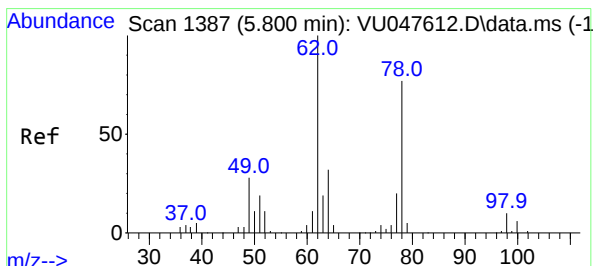
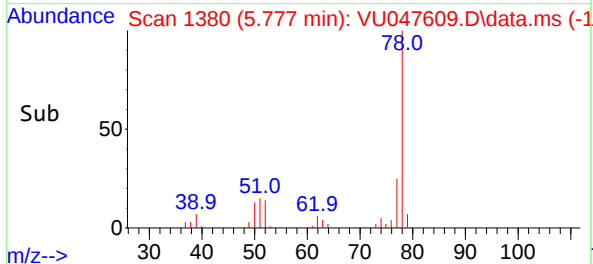
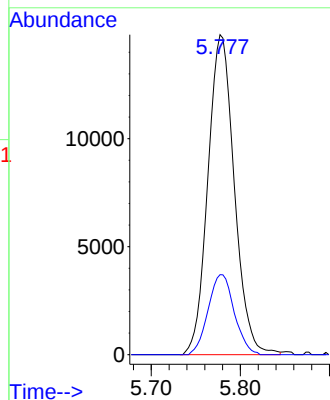
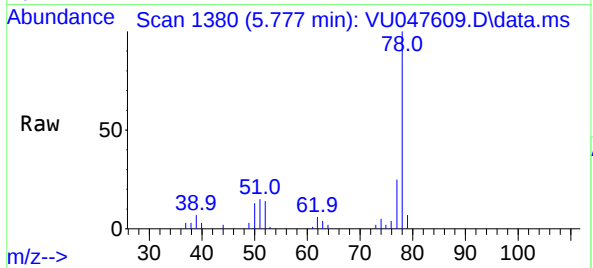
#35
Benzene
Concen: 0.982 ug/l
RT: 5.777 min Scan# 1380
Delta R.T. -0.000 min
Lab File: VU047609.D
Acq: 18 Mar 2022 10:30

Instrument :
MSVOA_U
ClientSampleId :
VSTDICC001

Tgt Ion: 78 Resp: 30504
Ion Ratio Lower Upper
78 100
77 25.0 19.1 28.7

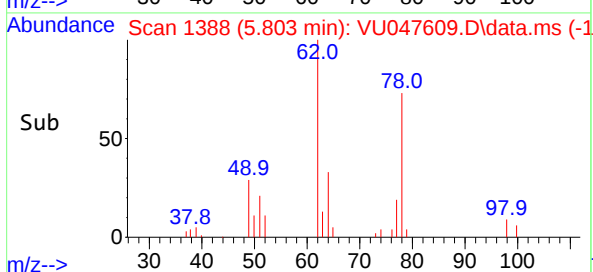
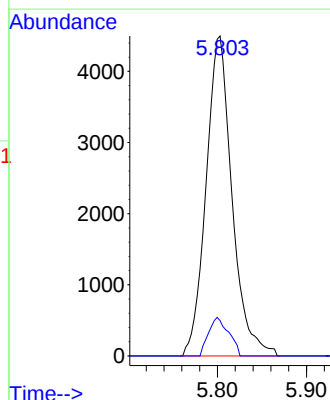
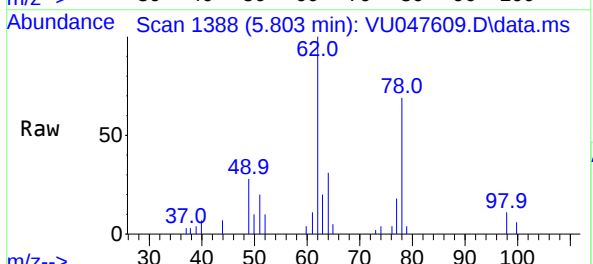
Manual Integrations
APPROVED

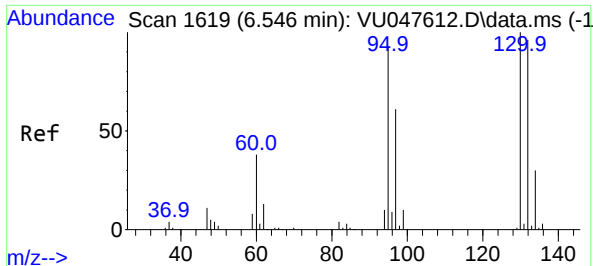
Reviewed By :John Carlone 03/31/2022
Supervised By :Mahesh Dadoda 03/31/2022



#36
1,2-Dichloroethane
Concen: 0.970 ug/l
RT: 5.803 min Scan# 1388
Delta R.T. 0.003 min
Lab File: VU047609.D
Acq: 18 Mar 2022 10:30

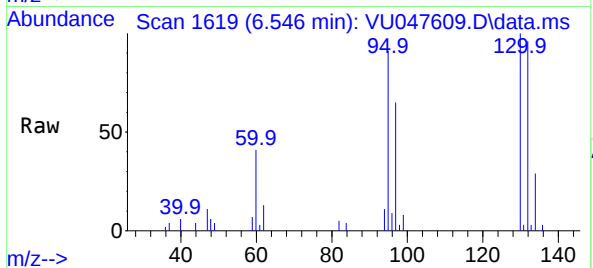
Tgt Ion: 62 Resp: 9118
Ion Ratio Lower Upper
62 100
98 9.3 7.3 10.9





#37
Trichloroethene
Concen: 1.023 ug/l
RT: 6.546 min Scan# 1619
Delta R.T. -0.000 min
Lab File: VU047609.D
Acq: 18 Mar 2022 10:30

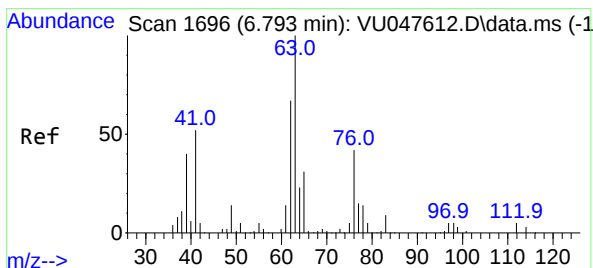
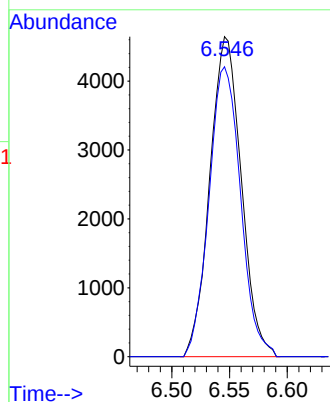
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001



Tgt Ion:130 Resp: 879
Ion Ratio Lower Upper
130 100
95 90.6 83.8 125.8

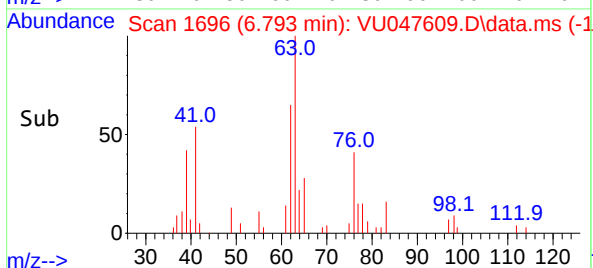
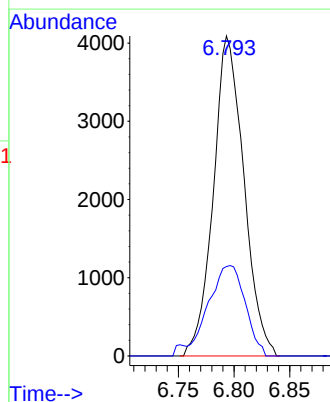
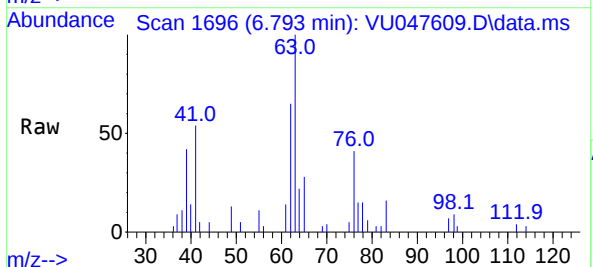
Manual Integrations
APPROVED

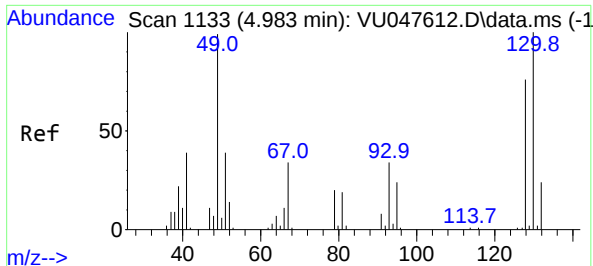
Reviewed By :John Carlone 03/31/2022
Supervised By :Mahesh Dadoda 03/31/2022



#38
1,2-Dichloropropane
Concen: 0.948 ug/l
RT: 6.793 min Scan# 1696
Delta R.T. -0.003 min
Lab File: VU047609.D
Acq: 18 Mar 2022 10:30

Tgt Ion: 63 Resp: 7792
Ion Ratio Lower Upper
63 100
65 28.0 24.7 37.1





Methacrylonitrile

Concen: 0.762 ug/l

RT: 4.986 min Scan# 1133

Delta R.T. 0.006 min

Lab File: VU047609.D

Acq: 18 Mar 2022 10:30

Instrument :

MSVOA_U

ClientSampleId :

VSTDICC001

Tgt Ion: 41 Resp: 2158

Ion Ratio Lower Upper

41 100

67 78.6 65.2 97.8

39 61.1 43.0 64.6

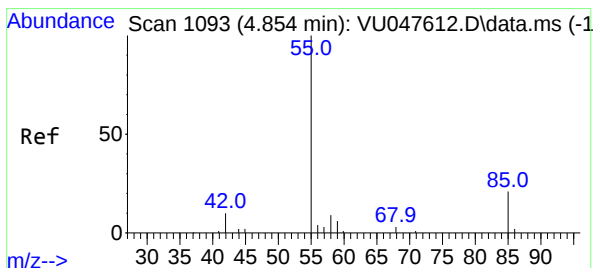
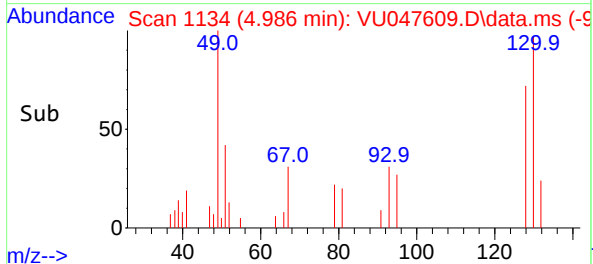
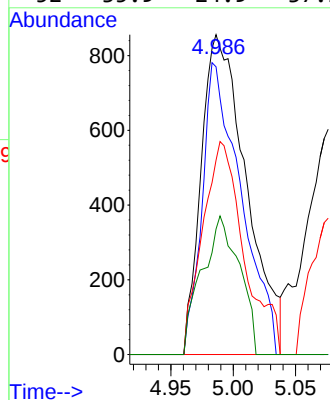
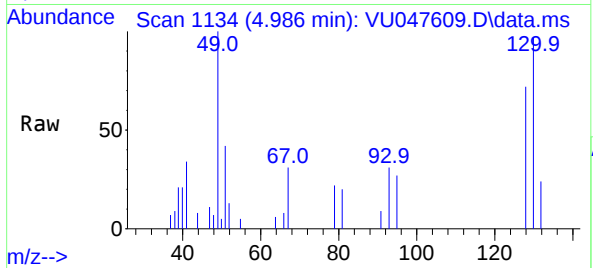
52 35.9 24.9 37.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/31/2022

Supervised By :Mahesh Dadoda 03/31/2022



Methyl acrylate

Concen: 0.728 ug/l

RT: 4.861 min Scan# 1095

Delta R.T. 0.010 min

Lab File: VU047609.D

Acq: 18 Mar 2022 10:30

Tgt Ion: 55 Resp: 3486

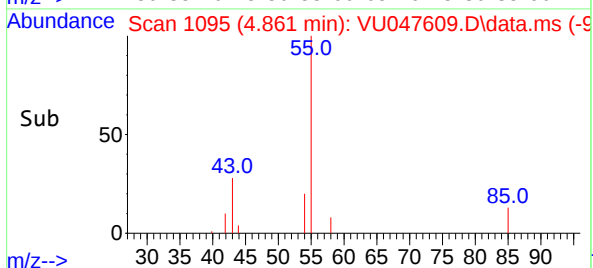
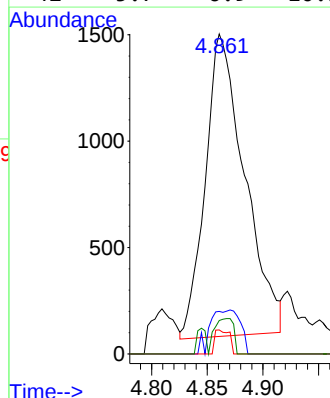
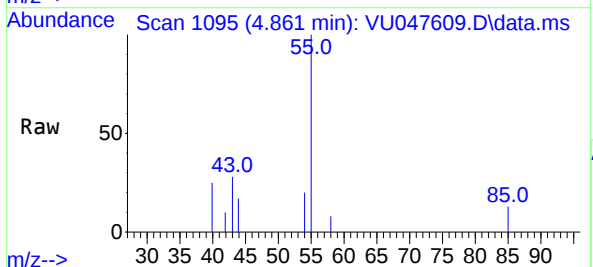
Ion Ratio Lower Upper

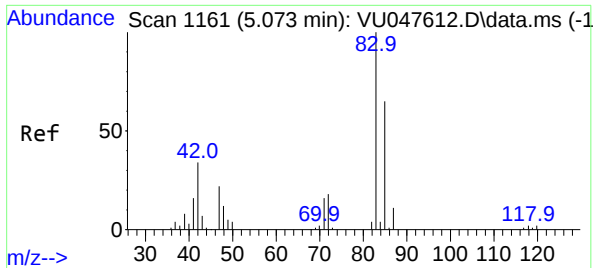
55 100

85 11.2 12.2 18.2#

58 2.9 6.7 10.1#

42 5.7 6.9 10.3#





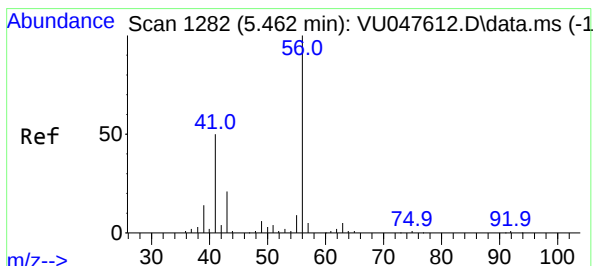
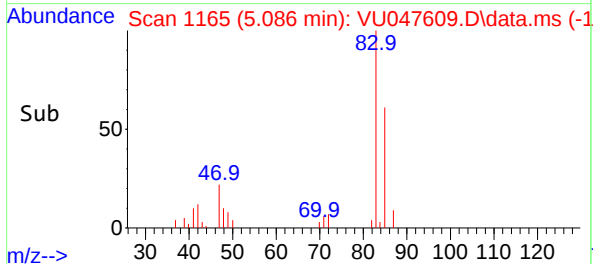
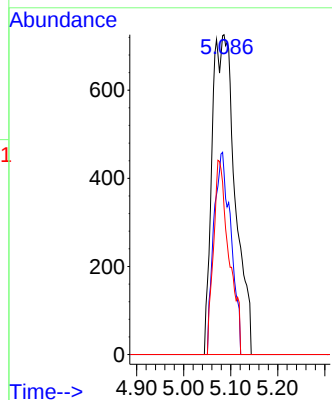
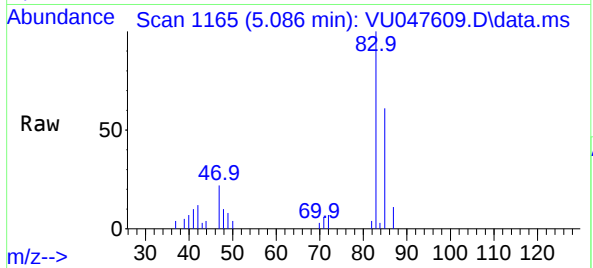
#41
Tetrahydrofuran
Concen: 1.715 ug/l m
RT: 5.086 min Scan# 1161
Delta R.T. 0.022 min
Lab File: VU047609.D
Acq: 18 Mar 2022 10:30

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tgt Ion: 42 Resp: 2474
Ion Ratio Lower Upper
42 100
72 46.7 42.4 63.6
71 40.8 36.4 54.6

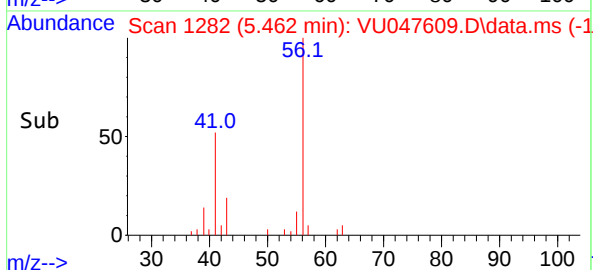
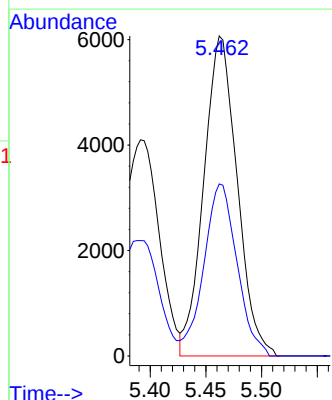
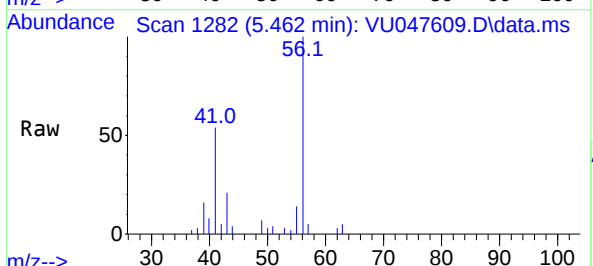
Manual Integrations
APPROVED

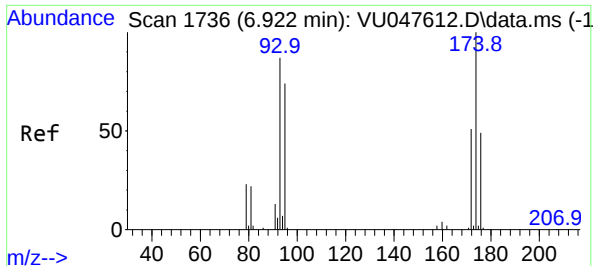
Reviewed By :John Carlone 03/31/2022
Supervised By :Mahesh Dadoda 03/31/2022



#42
1-Chlorobutane
Concen: 0.849 ug/l
RT: 5.462 min Scan# 1282
Delta R.T. -0.000 min
Lab File: VU047609.D
Acq: 18 Mar 2022 10:30

Tgt Ion: 56 Resp: 12627
Ion Ratio Lower Upper
56 100
41 53.4 26.0 78.0





#43

Dibromomethane

Concen: 1.062 ug/l

RT: 6.925 min Scan# 1736

Delta R.T. 0.003 min

Lab File: VU047609.D

Acq: 18 Mar 2022 10:30

Instrument :

MSVOA_U

ClientSampleId :

VSTDICC001

Tgt Ion: 93 Resp: 4709

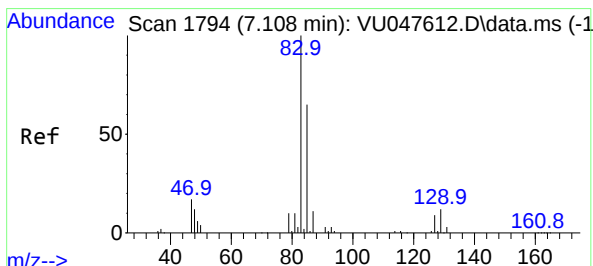
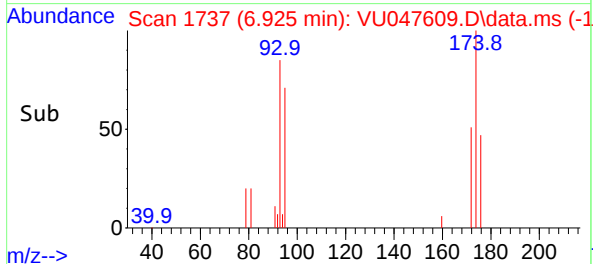
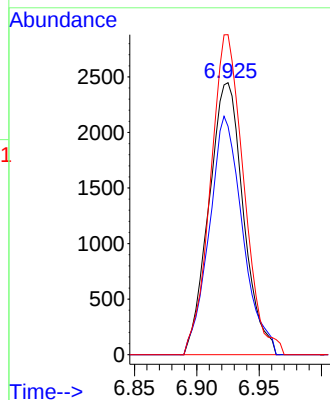
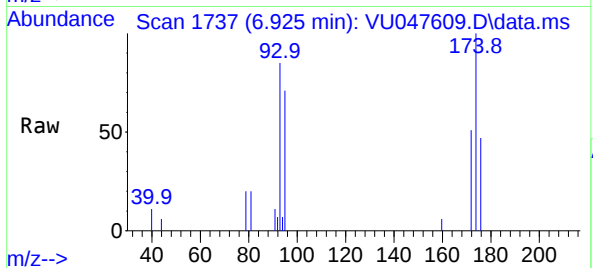
Ion	Ratio	Lower	Upper
93	100		
95	84.7	66.2	99.2
174	113.6	70.7	106.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/31/2022

Supervised By :Mahesh Dadoda 03/31/2022



#44

Bromodichloromethane

Concen: 1.064 ug/l

RT: 7.108 min Scan# 1794

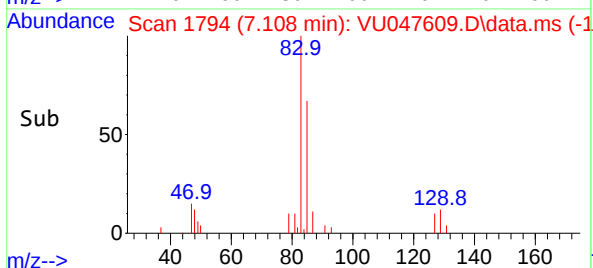
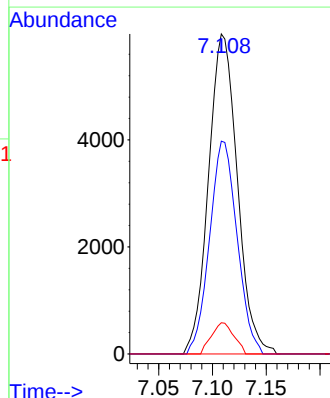
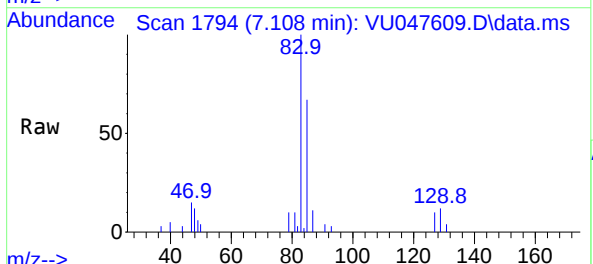
Delta R.T. -0.000 min

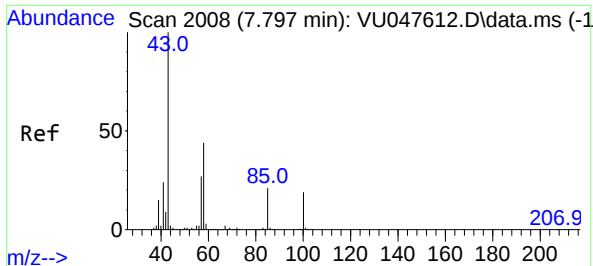
Lab File: VU047609.D

Acq: 18 Mar 2022 10:30

Tgt Ion: 83 Resp: 11154

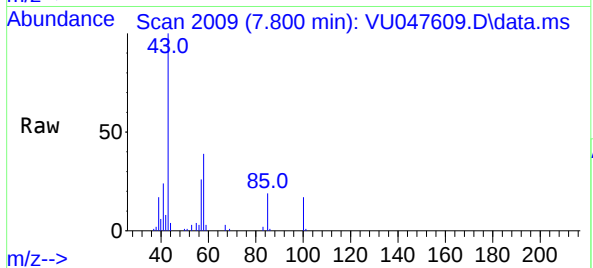
Ion	Ratio	Lower	Upper
83	100		
85	66.5	50.9	76.3
127	9.7	6.0	9.0





#45
4-Methyl-2-Pentanone
Concen: 3.765 ug/l
RT: 7.800 min Scan# 2009
Delta R.T. 0.006 min
Lab File: VU047609.D
Acq: 18 Mar 2022 10:30

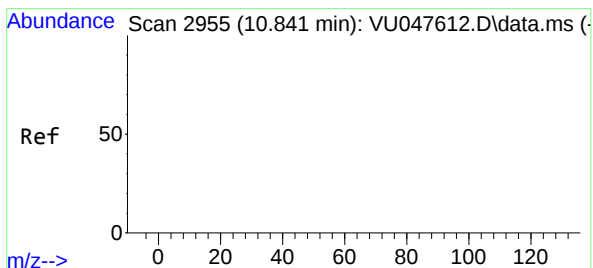
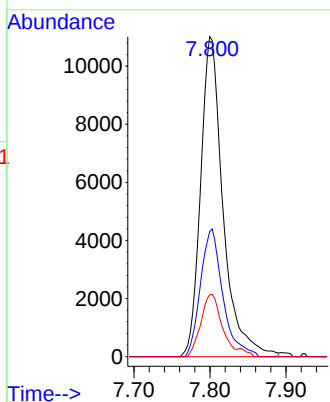
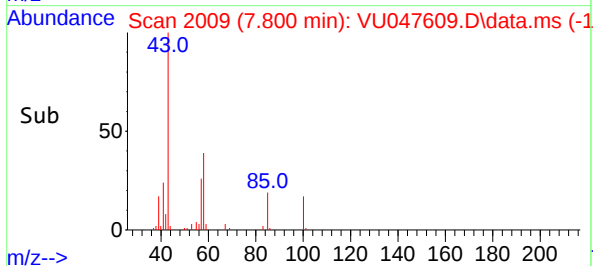
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001



Tgt Ion: 43 Resp: 22572
Ion Ratio Lower Upper
43 100
58 39.8 21.0 63.0
85 18.2 14.8 22.2

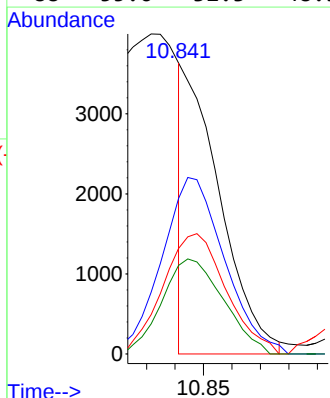
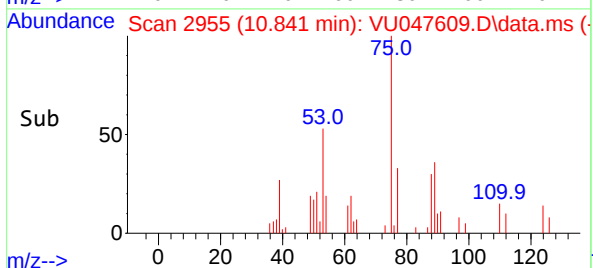
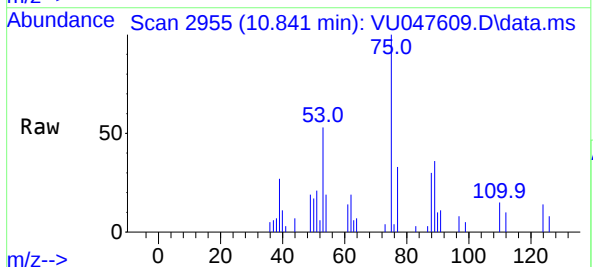
Manual Integrations
APPROVED

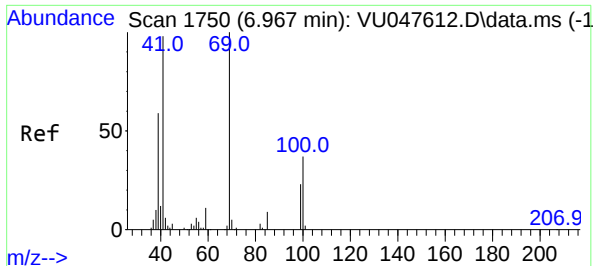
Reviewed By :John Carlone 03/31/2022
Supervised By :Mahesh Dadoda 03/31/2022



#46
t-1,4-Dichloro-2-butene
Concen: 1.229 ug/l m
RT: 10.841 min Scan# 2955
Delta R.T. -0.000 min
Lab File: VU047609.D
Acq: 18 Mar 2022 10:30

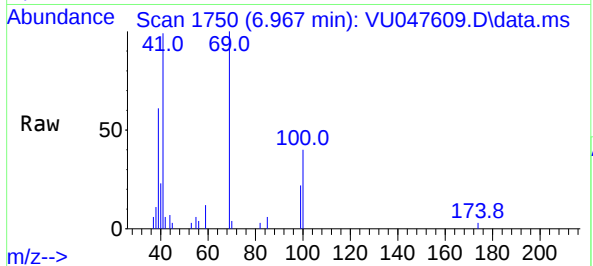
Tgt Ion: 75 Resp: 3208
Ion Ratio Lower Upper
75 100
53 105.4 66.8 100.2#
89 72.4 41.7 62.5#
88 55.6 32.3 48.5#





#47
Methyl methacrylate
Concen: 1.507 ug/l
RT: 6.967 min Scan# 1750
Delta R.T. 0.003 min
Lab File: VU047609.D
Acq: 18 Mar 2022 10:30

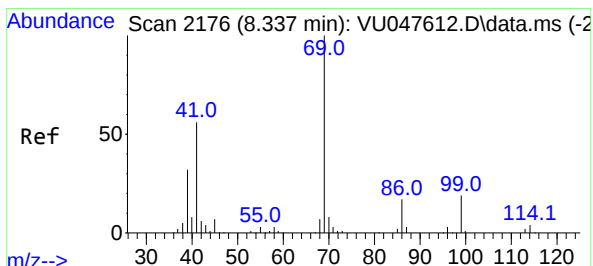
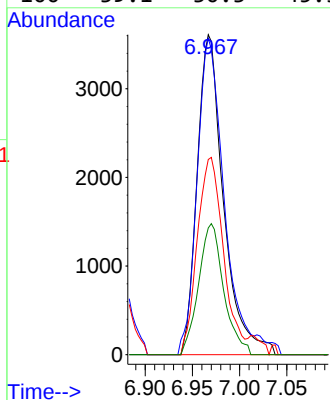
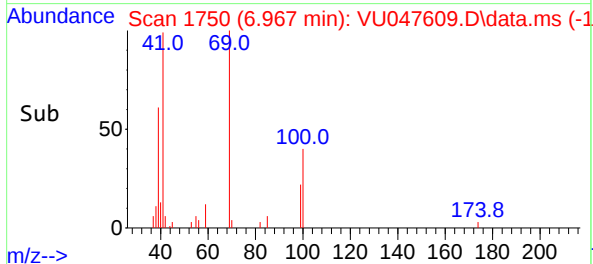
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001



Tgt Ion: 69 Resp: 7000
Ion Ratio Lower Upper
69 100
41 103.4 0.0 230.0
39 61.0 55.1 82.7
100 39.1 30.3 45.5

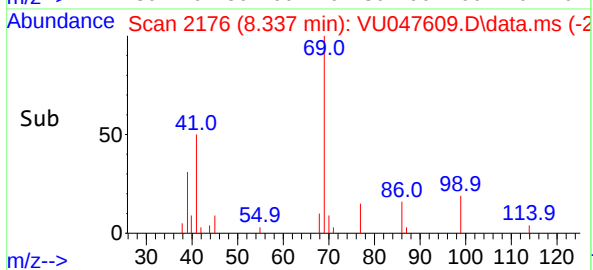
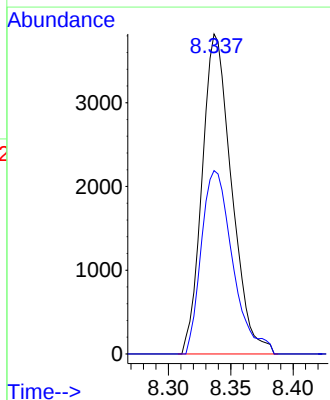
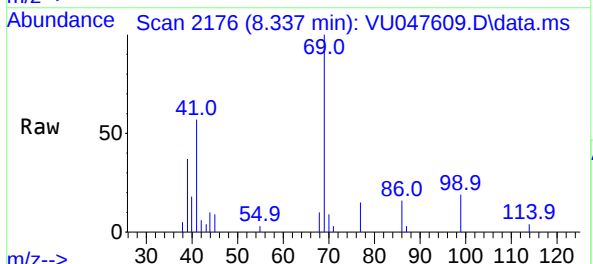
Manual Integrations
APPROVED

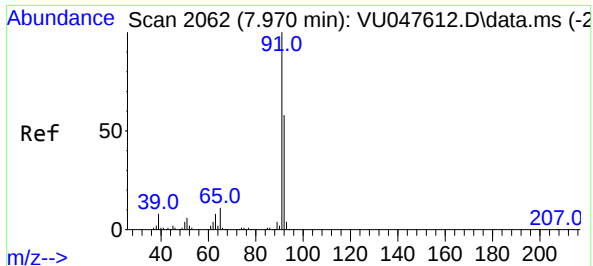
Reviewed By :John Carlone 03/31/2022
Supervised By :Mahesh Dadoda 03/31/2022



#48
Ethyl methacrylate
Concen: 0.668 ug/l
RT: 8.337 min Scan# 2176
Delta R.T. -0.000 min
Lab File: VU047609.D
Acq: 18 Mar 2022 10:30

Tgt Ion: 69 Resp: 6291
Ion Ratio Lower Upper
69 100
41 60.8 32.6 98.0





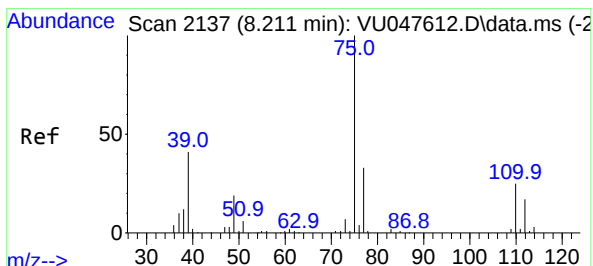
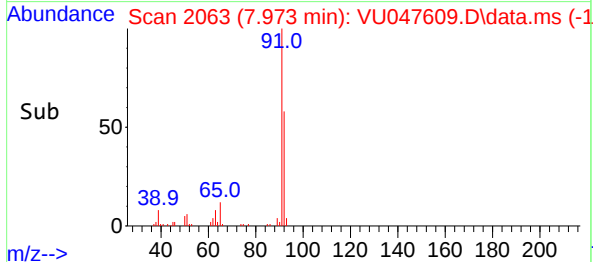
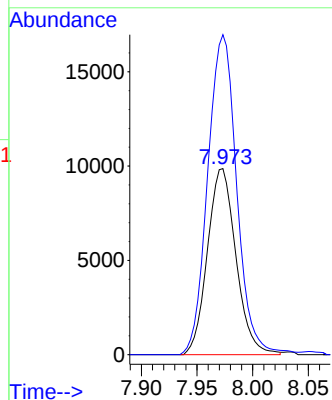
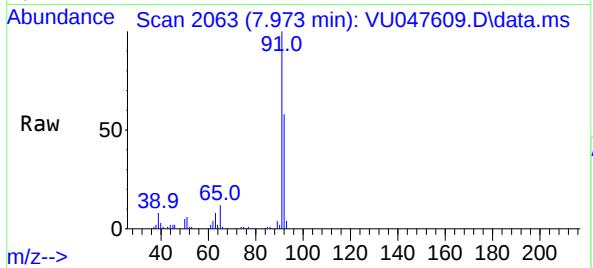
#49
Toluene
Concen: 0.879 ug/l
RT: 7.973 min Scan# 2062
Delta R.T. -0.000 min
Lab File: VU047609.D
Acq: 18 Mar 2022 10:30

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tgt Ion: 92 Resp: 1761
Ion Ratio Lower Upper
92 100
91 174.9 136.8 205.2

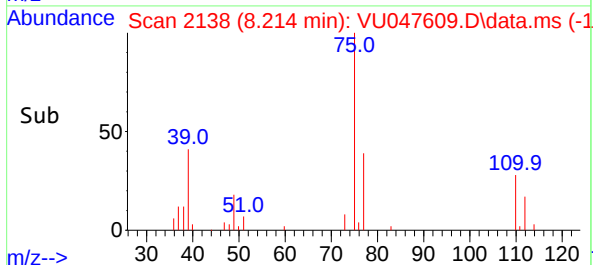
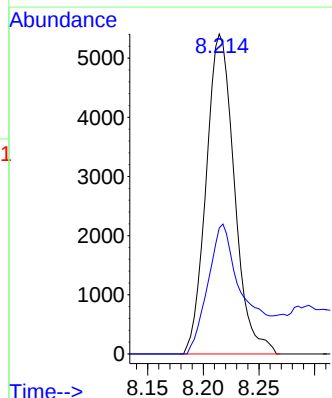
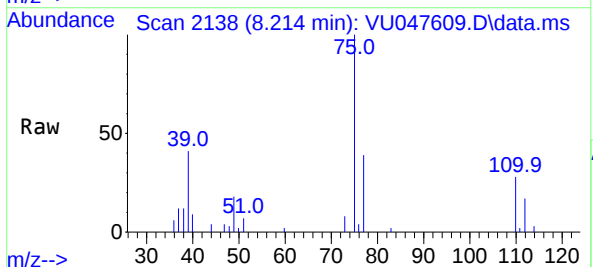
Manual Integrations
APPROVED

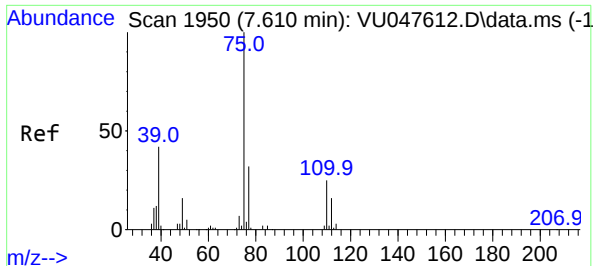
Reviewed By :John Carlone 03/31/2022
Supervised By :Mahesh Dadoda 03/31/2022



#50
t-1,3-Dichloropropene
Concen: 0.840 ug/l
RT: 8.214 min Scan# 2138
Delta R.T. -0.000 min
Lab File: VU047609.D
Acq: 18 Mar 2022 10:30

Tgt Ion: 75 Resp: 9530
Ion Ratio Lower Upper
75 100
77 39.4 25.6 38.4#





#51
 cis-1,3-Dichloropropene
 Concen: 0.862 ug/l
 RT: 7.613 min Scan# 1951
 Delta R.T. 0.003 min
 Lab File: VU047609.D
 Acq: 18 Mar 2022 10:30

Instrument :

MSVOA_U

ClientSampleId :

VSTDICC001

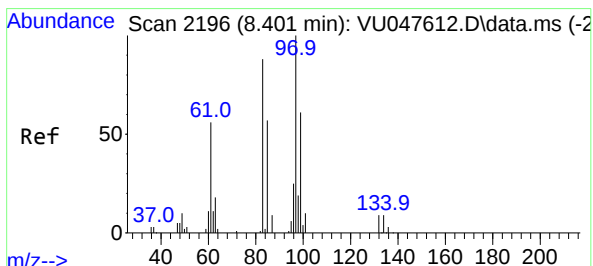
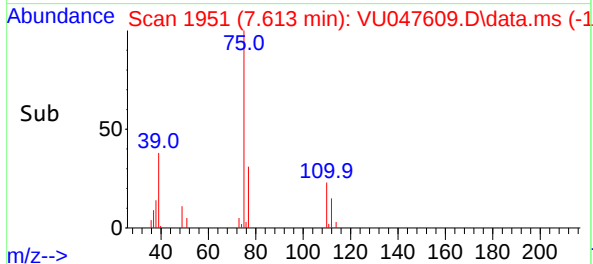
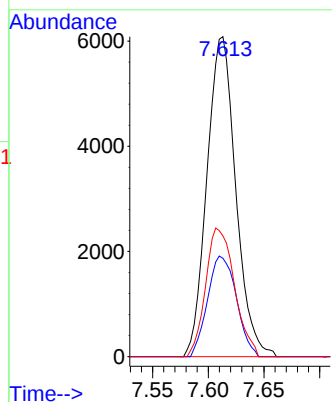
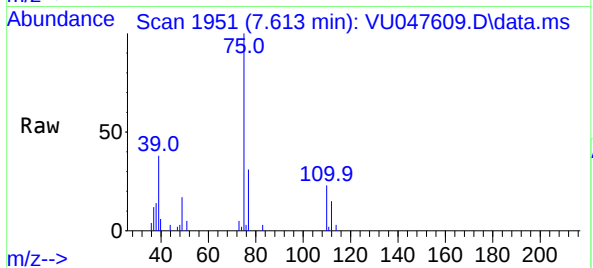
Tgt Ion: 75 Resp: 1096
 Ion Ratio Lower Upper
 75 100
 77 30.8 25.2 37.8
 39 37.7 38.6 57.8

Manual Integrations

APPROVED

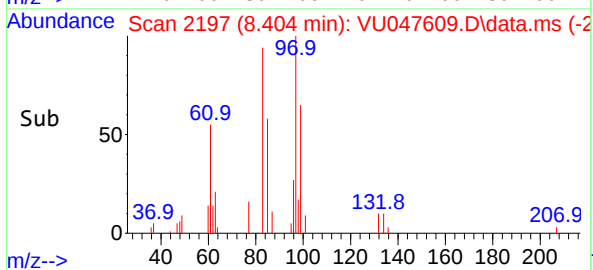
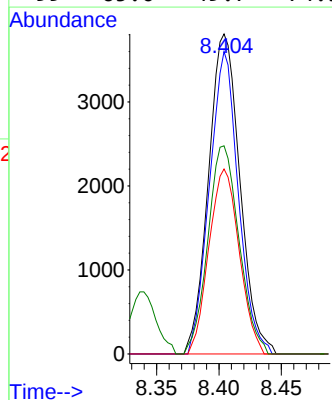
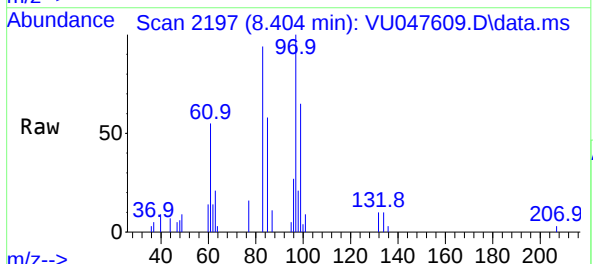
Reviewed By :John Carlone 03/31/2022

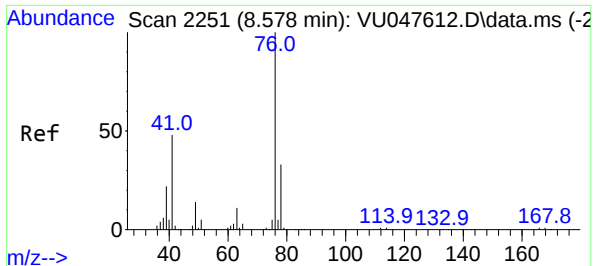
Supervised By :Mahesh Dadoda 03/31/2022



#52
 1,1,2-Trichloroethane
 Concen: 1.058 ug/l
 RT: 8.404 min Scan# 2197
 Delta R.T. -0.000 min
 Lab File: VU047609.D
 Acq: 18 Mar 2022 10:30

Tgt Ion: 97 Resp: 6690
 Ion Ratio Lower Upper
 97 100
 83 94.5 69.8 104.8
 85 57.8 44.2 66.4
 99 65.0 49.7 74.5





#53

1,3-Dichloropropane

Concen: 0.969 ug/l

RT: 8.578 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU047609.D

Acq: 18 Mar 2022 10:30

Instrument :

MSVOA_U

ClientSampleId :

VSTDICC001

Tgt Ion: 76 Resp: 10950

Ion Ratio Lower Upper

76 100

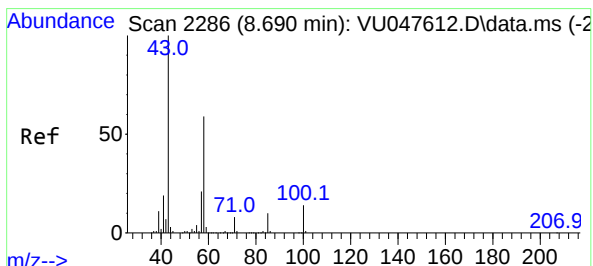
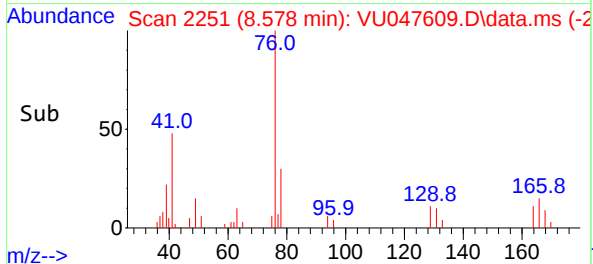
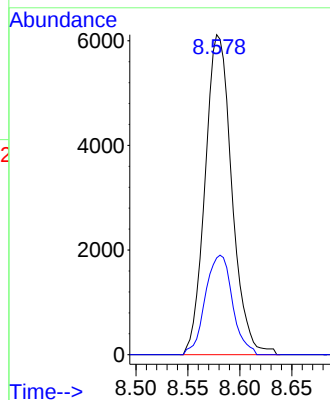
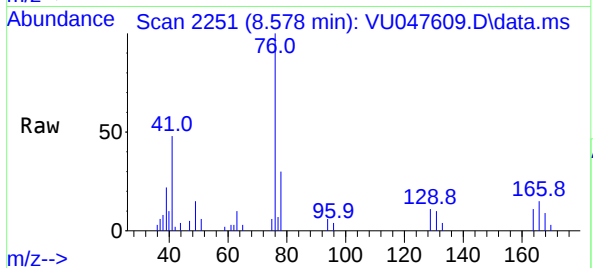
78 31.5 25.4 38.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/31/2022

Supervised By :Mahesh Dadoda 03/31/2022



#54

2-Hexanone

Concen: 3.496 ug/l

RT: 8.693 min Scan# 2287

Delta R.T. 0.006 min

Lab File: VU047609.D

Acq: 18 Mar 2022 10:30

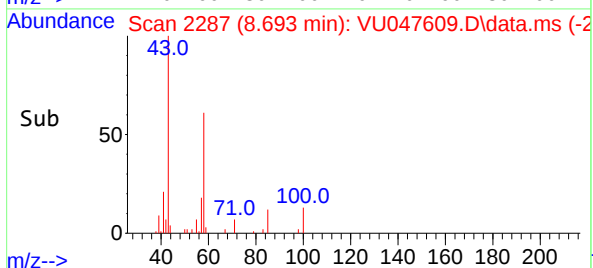
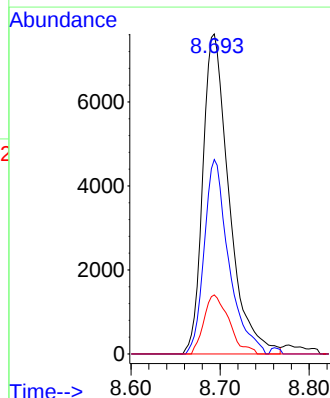
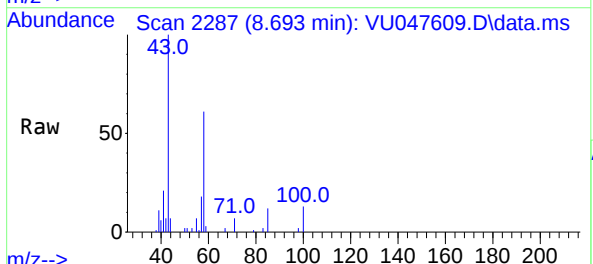
Tgt Ion: 43 Resp: 15614

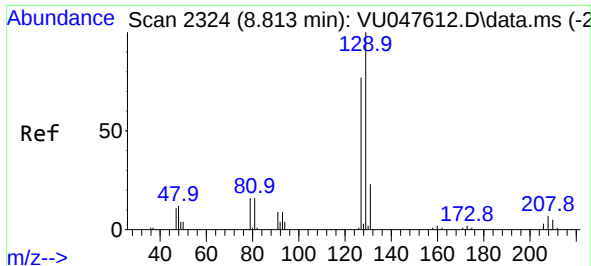
Ion Ratio Lower Upper

43 100

58 56.7 37.7 77.7

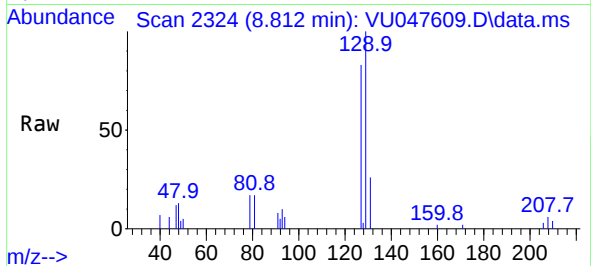
57 17.7 0.5 40.5





#55
Dibromochloromethane
Concen: 1.071 ug/l
RT: 8.812 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU047609.D
Acq: 18 Mar 2022 10:30

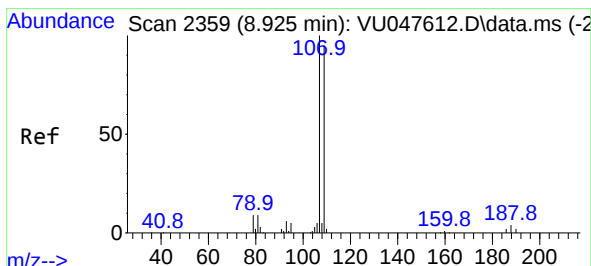
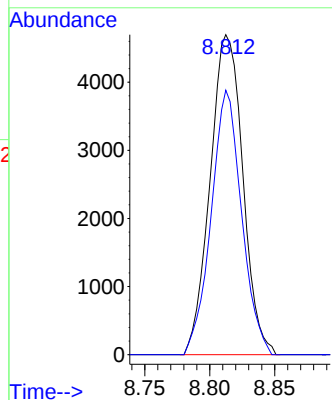
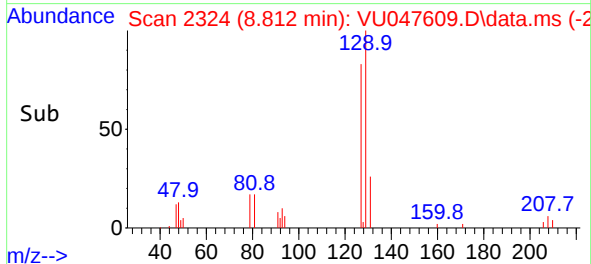
Instrument :
MSVOA_U
ClientSampleId :
VSTDICC001



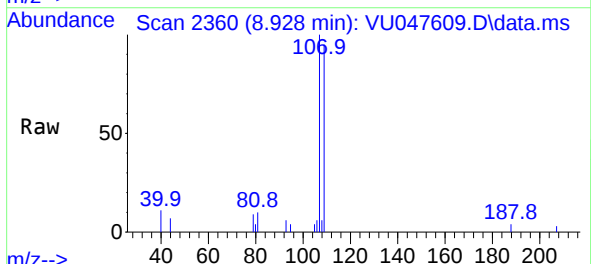
Tgt Ion:129 Resp: 823
Ion Ratio Lower Upper
129 100
127 76.7 62.2 93.4

Manual Integrations
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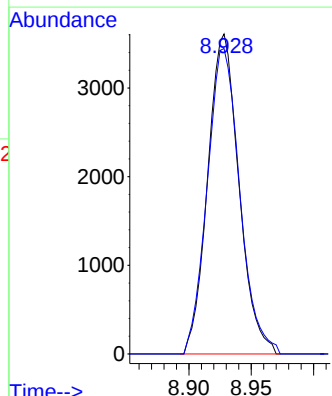
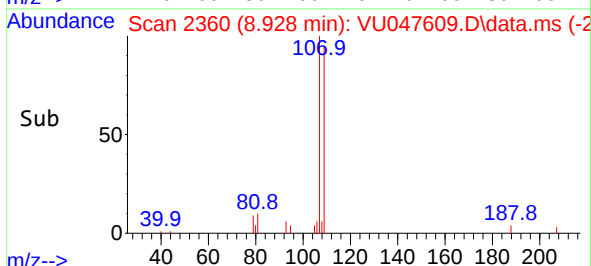
Reviewed By :John Carlone 03/31/2022
Supervised By :Mahesh Dadoda 03/31/2022

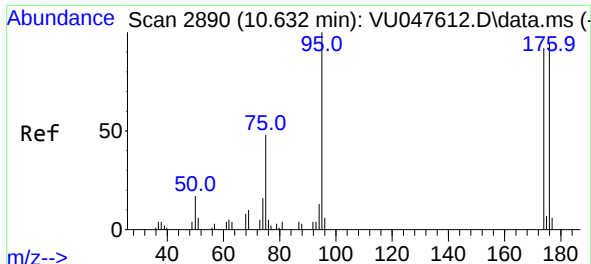


#56
1,2-Dibromoethane
Concen: 0.982 ug/l
RT: 8.928 min Scan# 2360
Delta R.T. 0.003 min
Lab File: VU047609.D
Acq: 18 Mar 2022 10:30



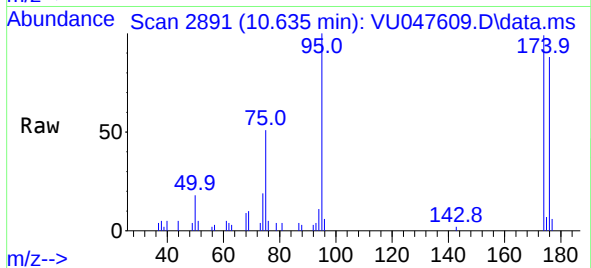
Tgt Ion:107 Resp: 6274
Ion Ratio Lower Upper
107 100
109 99.8 0.0 185.0





#57
4-Bromofluorobenzene
Concen: 0.900 ug/l
RT: 10.635 min Scan# 2890
Delta R.T. -0.000 min
Lab File: VU047609.D
Acq: 18 Mar 2022 10:30

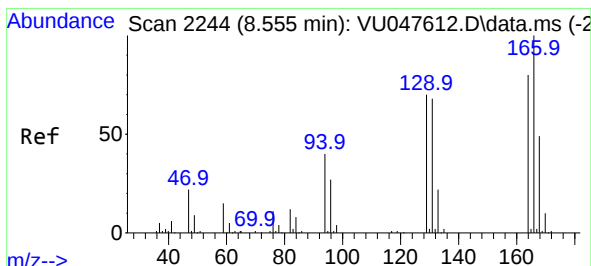
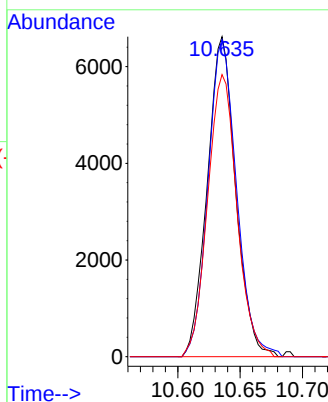
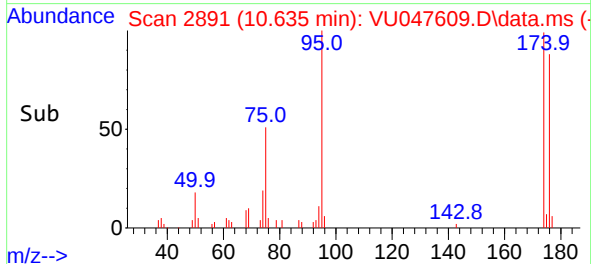
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001



Tgt Ion: 95 Resp: 10512
Ion Ratio Lower Upper
95 100
174 99.4 56.6 84.8
176 90.6 54.3 81.5

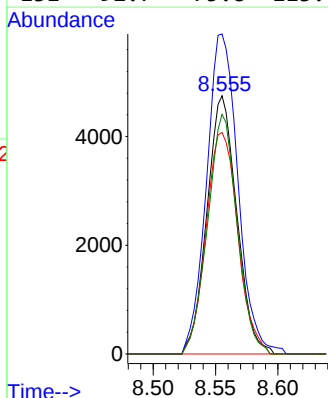
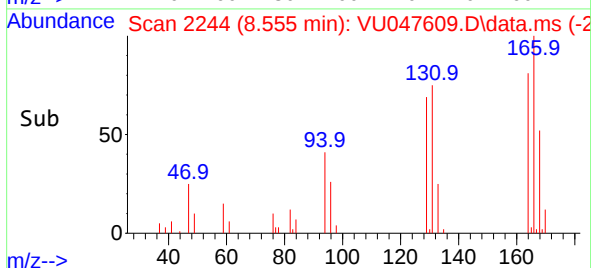
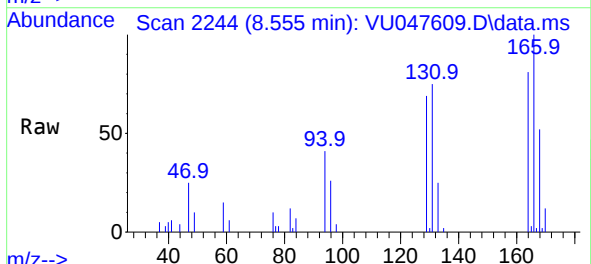
Manual Integrations
APPROVED

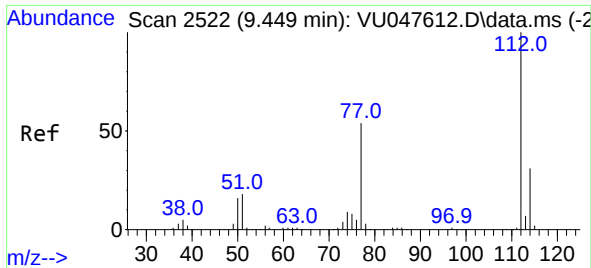
Reviewed By :John Carlone 03/31/2022
Supervised By :Mahesh Dadoda 03/31/2022



#58
Tetrachloroethene
Concen: 1.000 ug/l
RT: 8.555 min Scan# 2244
Delta R.T. -0.000 min
Lab File: VU047609.D
Acq: 18 Mar 2022 10:30

Tgt Ion:164 Resp: 7931
Ion Ratio Lower Upper
164 100
166 123.9 102.0 153.0
129 85.8 77.1 115.7
131 92.7 75.8 113.6





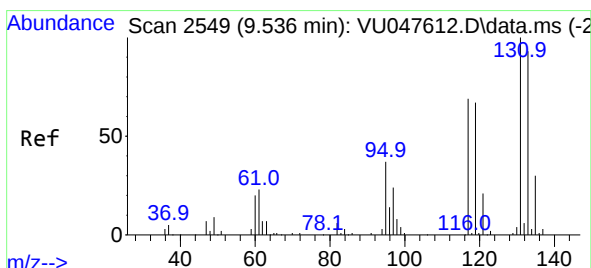
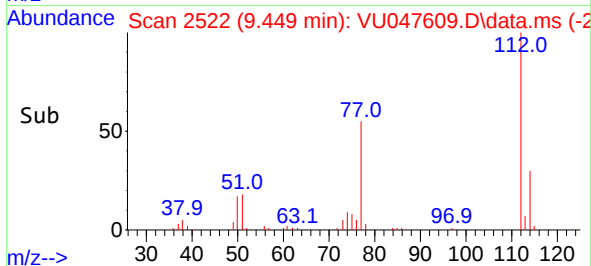
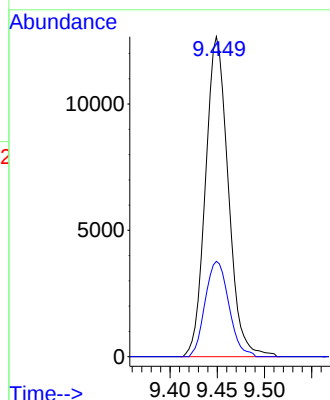
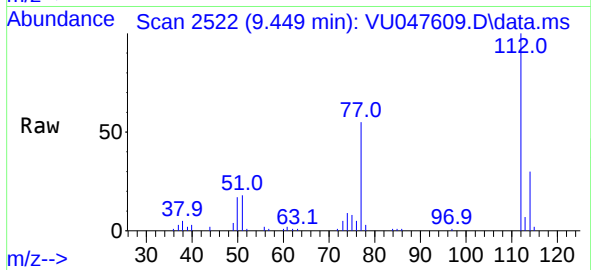
#59
Chlorobenzene
Concen: 0.950 ug/l
RT: 9.449 min Scan# 2122
Delta R.T. -0.000 min
Lab File: VU047609.D
Acq: 18 Mar 2022 10:30

Instrument :
MSVOA_U
ClientSampleId :
VSTDICC001

Tgt Ion:112 Resp: 2122
Ion Ratio Lower Upper
112 100
114 29.8 25.4 38.0

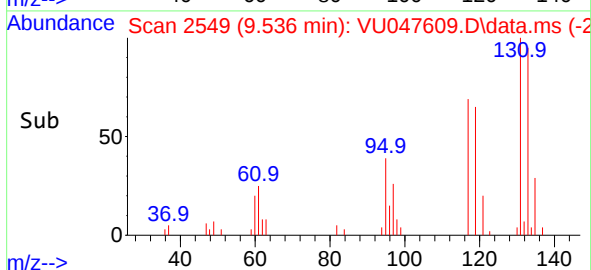
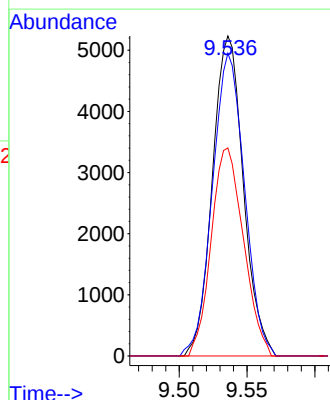
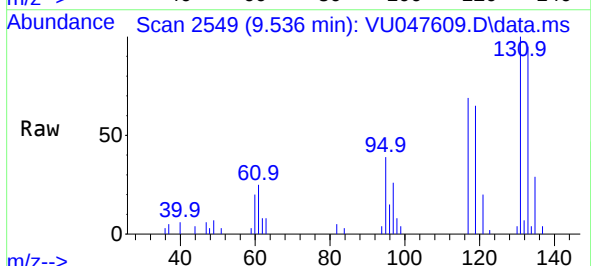
Manual Integrations
APPROVED

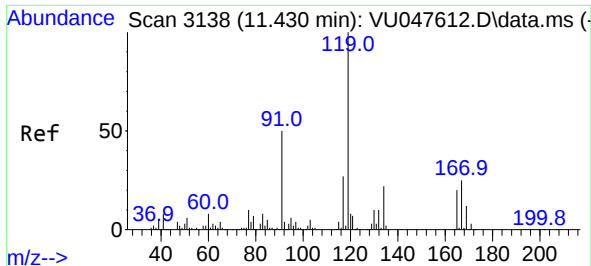
Reviewed By :John Carlone 03/31/2022
Supervised By :Mahesh Dadoda 03/31/2022



#60
1,1,1,2-Tetrachloroethane
Concen: 1.081 ug/l
RT: 9.536 min Scan# 2549
Delta R.T. -0.000 min
Lab File: VU047609.D
Acq: 18 Mar 2022 10:30

Tgt Ion:131 Resp: 8301
Ion Ratio Lower Upper
131 100
133 98.0 76.0 114.0
119 67.8 54.9 82.3





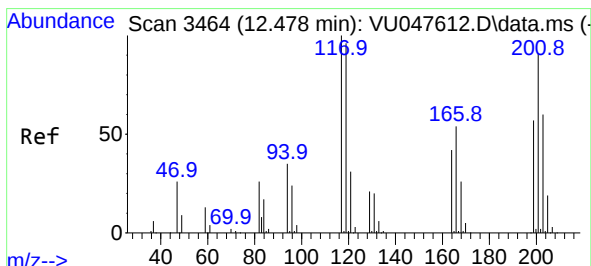
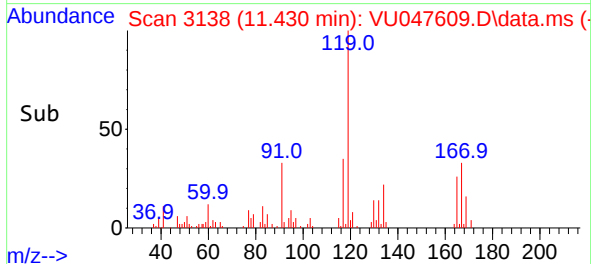
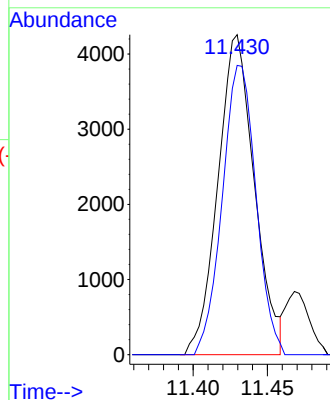
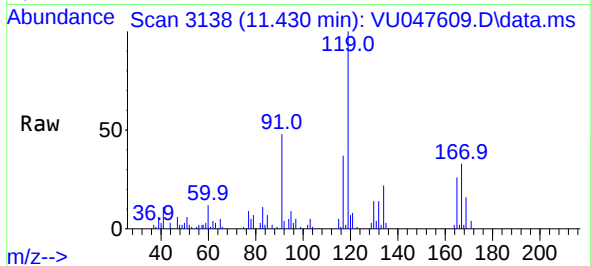
#61
Pentachloroethane
Concen: 1.248 ug/l
RT: 11.430 min Scan# 3138
Delta R.T. -0.000 min
Lab File: VU047609.D
Acq: 18 Mar 2022 10:30

Instrument :
MSVOA_U
ClientSampleId :
VSTDICC001

Tgt Ion:117 Resp: 727
Ion Ratio Lower Upper
117 100
167 83.5 59.7 89.5

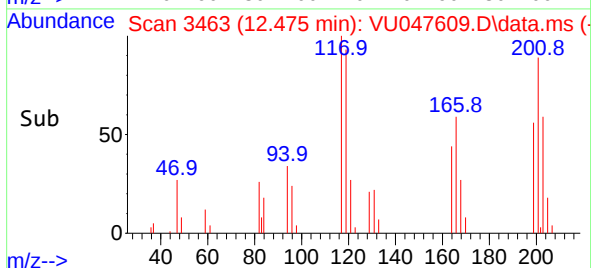
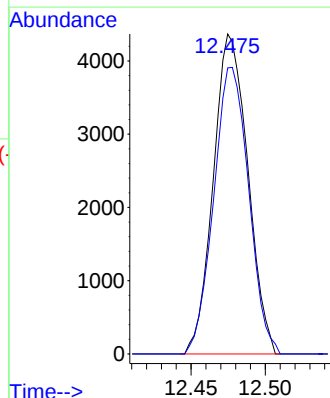
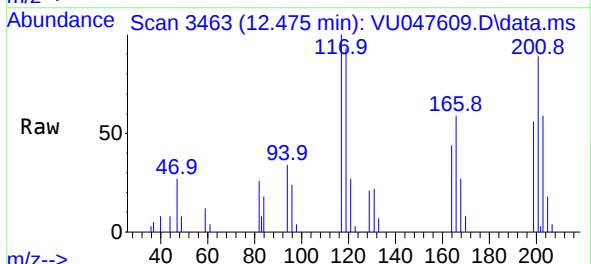
Manual Integrations
APPROVED

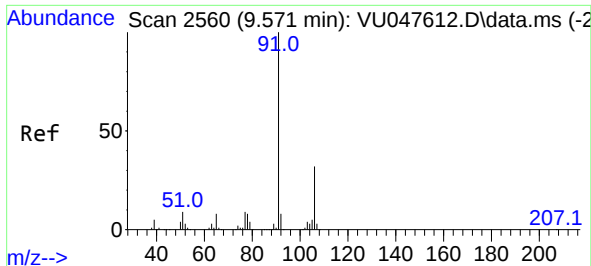
Reviewed By :John Carlone 03/31/2022
Supervised By :Mahesh Dadoda 03/31/2022



#62
Hexachloroethane
Concen: 1.120 ug/l
RT: 12.475 min Scan# 3463
Delta R.T. -0.003 min
Lab File: VU047609.D
Acq: 18 Mar 2022 10:30

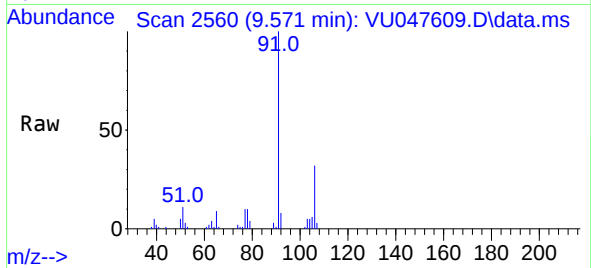
Tgt Ion:117 Resp: 7050
Ion Ratio Lower Upper
117 100
201 91.0 53.6 80.4#





#63
Ethyl Benzene
Concen: 0.773 ug/l
RT: 9.571 min Scan# 2560
Delta R.T. -0.000 min
Lab File: VU047609.D
Acq: 18 Mar 2022 10:30

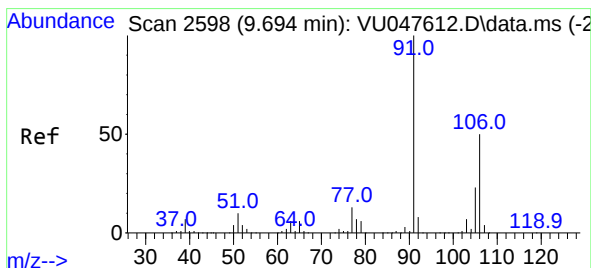
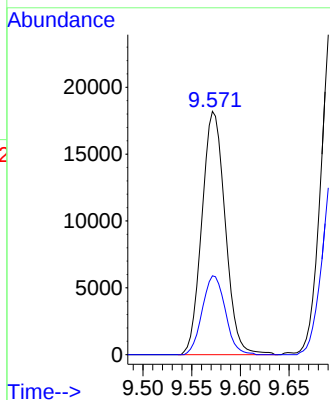
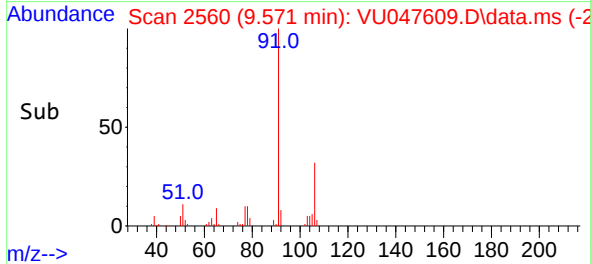
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001



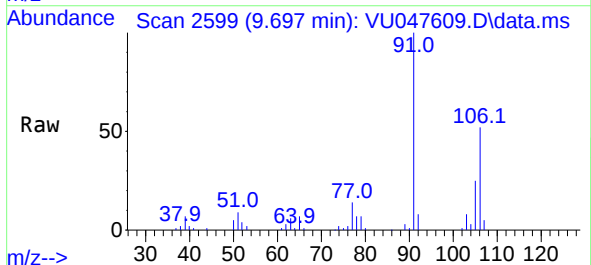
Tgt Ion: 91 Resp: 30339
Ion Ratio Lower Upper
91 100
106 32.4 24.4 36.6

Manual Integrations
APPROVED

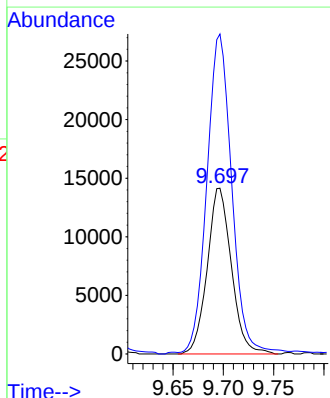
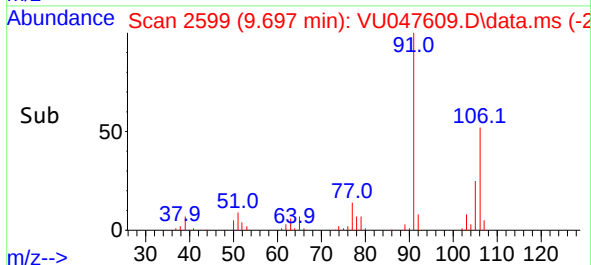
Reviewed By :John Carlone 03/31/2022
Supervised By :Mahesh Dadoda 03/31/2022

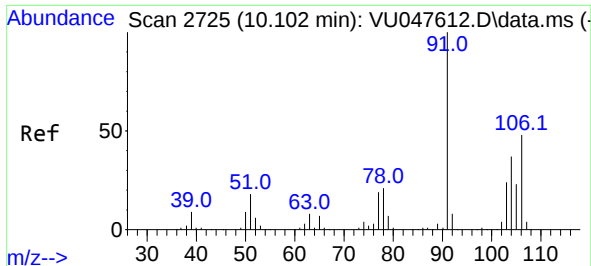


#64
m/p-Xylenes
Concen: 1.579 ug/l
RT: 9.697 min Scan# 2599
Delta R.T. -0.000 min
Lab File: VU047609.D
Acq: 18 Mar 2022 10:30



Tgt Ion:106 Resp: 23639
Ion Ratio Lower Upper
106 100
91 195.8 165.5 248.3





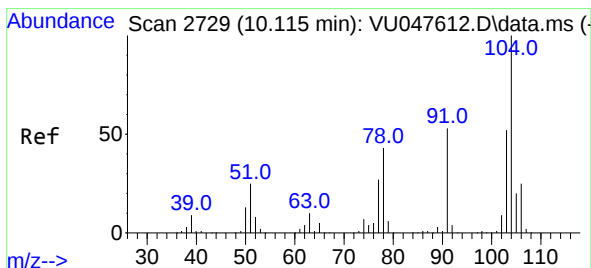
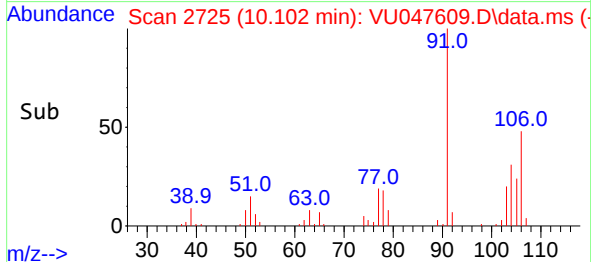
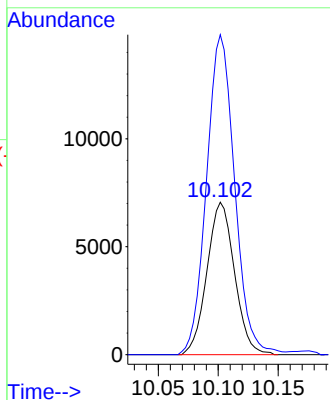
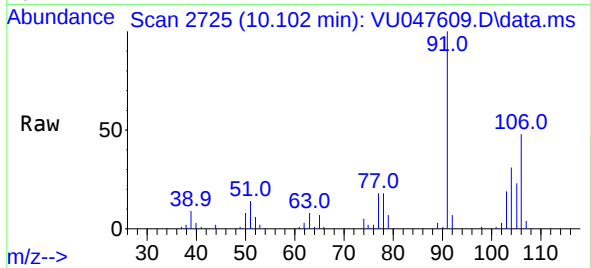
#65
o-Xylene
Concen: 0.779 ug/l
RT: 10.102 min Scan# 2725
Delta R.T. -0.000 min
Lab File: VU047609.D
Acq: 18 Mar 2022 10:30

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tgt Ion:106 Resp: 11298
Ion Ratio Lower Upper
106 100
91 214.1 109.4 328.2

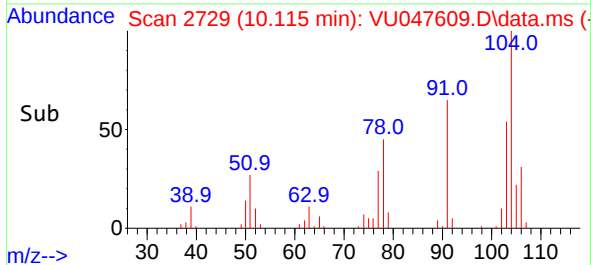
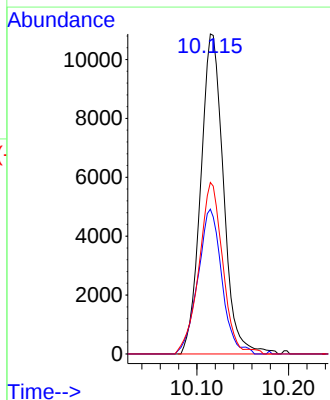
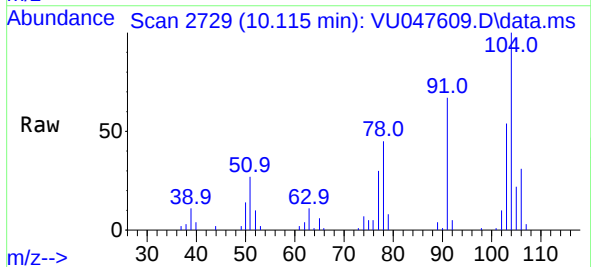
Manual Integrations
APPROVED

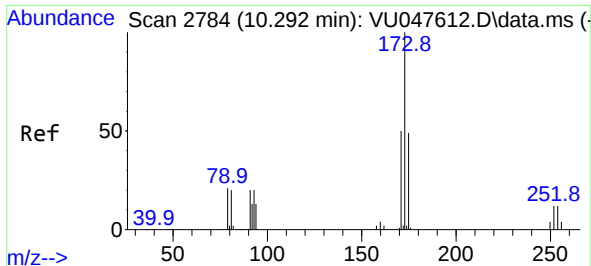
Reviewed By :John Carlone 03/31/2022
Supervised By :Mahesh Dadoda 03/31/2022



#66
Styrene
Concen: 0.762 ug/l
RT: 10.115 min Scan# 2729
Delta R.T. -0.003 min
Lab File: VU047609.D
Acq: 18 Mar 2022 10:30

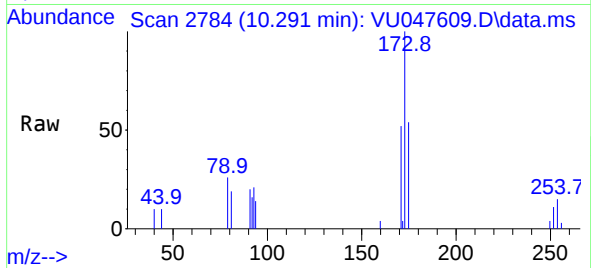
Tgt Ion:104 Resp: 18744
Ion Ratio Lower Upper
104 100
78 47.5 42.4 63.6
103 55.8 44.2 66.4





#67
Bromoform
Concen: 1.118 ug/l
RT: 10.291 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU047609.D
Acq: 18 Mar 2022 10:30

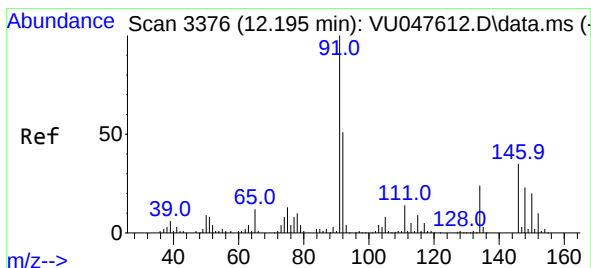
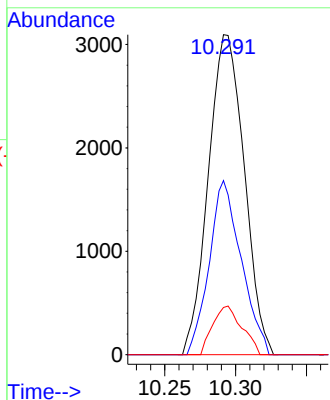
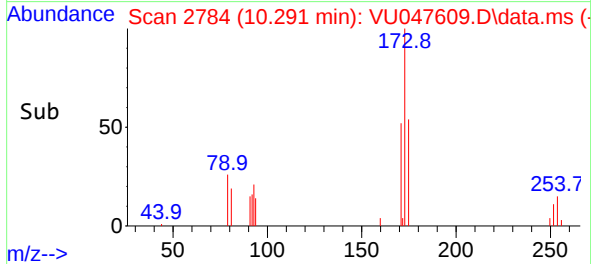
Instrument :
MSVOA_U
ClientSampleId :
VSTDICC001



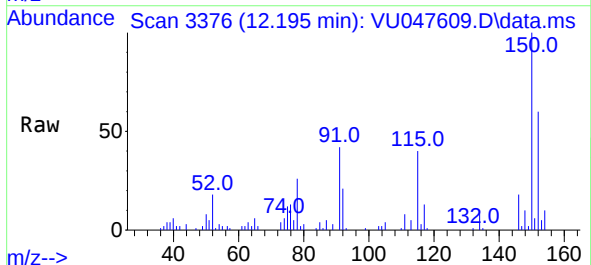
Tgt Ion:173 Resp: 544
Ion Ratio Lower Upper
173 100
175 48.5 39.0 58.4
254 12.4 5.5 8.3

Manual Integrations
APPROVED

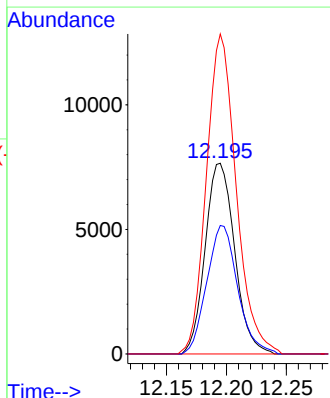
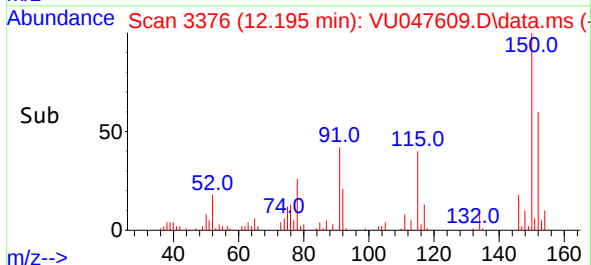
Reviewed By :John Carlone 03/31/2022
Supervised By :Mahesh Dadoda 03/31/2022

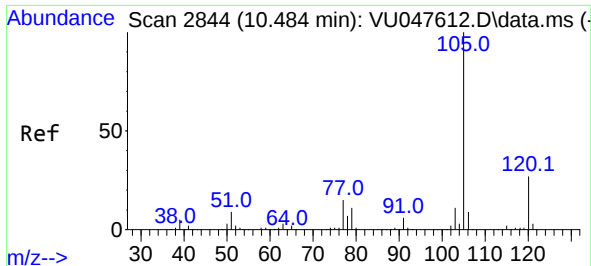


#68
1,2-Dichlorobenzene-d4
Concen: 1.077 ug/l
RT: 12.195 min Scan# 3376
Delta R.T. -0.000 min
Lab File: VU047609.D
Acq: 18 Mar 2022 10:30



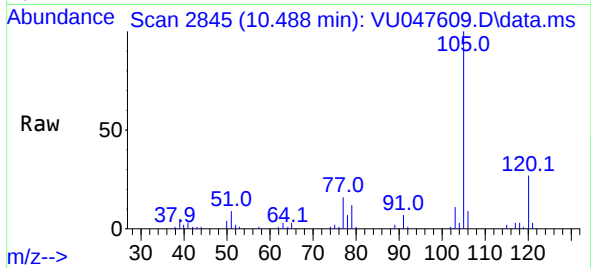
Tgt Ion:152 Resp: 13094
Ion Ratio Lower Upper
152 100
115 70.6 0.0 251.0
150 169.4 0.0 613.8





#69
Isopropylbenzene
Concen: 0.754 ug/l
RT: 10.488 min Scan# 2844
Delta R.T. -0.000 min
Lab File: VU047609.D
Acq: 18 Mar 2022 10:30

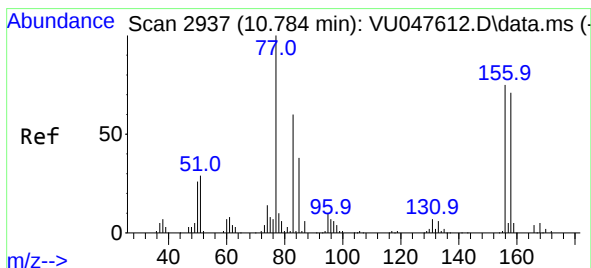
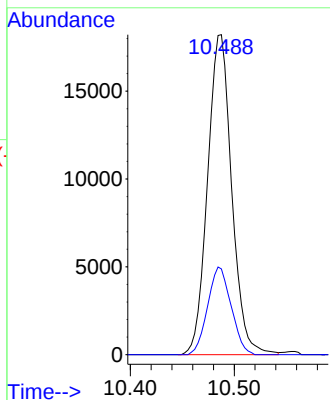
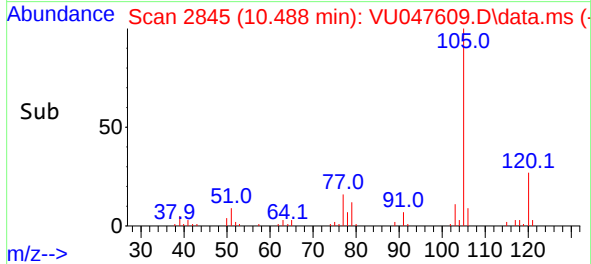
Instrument :
MSVOA_U
ClientSampleId :
VSTDICC001



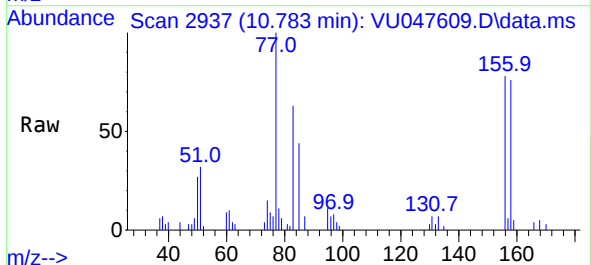
Tgt Ion:105 Resp: 29400
Ion Ratio Lower Upper
105 100
120 26.6 12.8 38.4

Manual Integrations
APPROVED

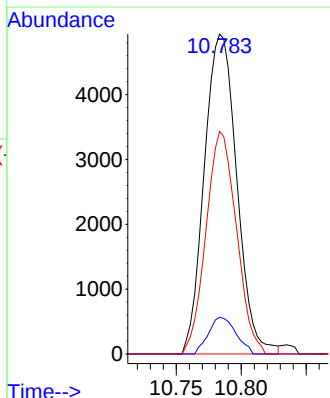
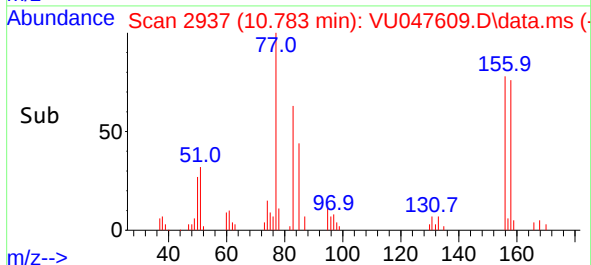
Reviewed By :John Carlone 03/31/2022
Supervised By :Mahesh Dadoda 03/31/2022

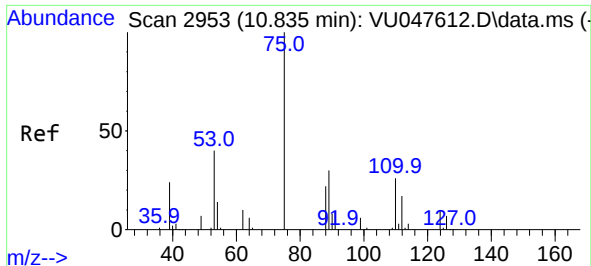


#70
1,1,2,2-Tetrachloroethane
Concen: 1.004 ug/l
RT: 10.783 min Scan# 2937
Delta R.T. -0.000 min
Lab File: VU047609.D
Acq: 18 Mar 2022 10:30



Tgt Ion: 83 Resp: 8586
Ion Ratio Lower Upper
83 100
131 9.6 7.6 11.4
85 64.9 50.9 76.3





#71
1,2,3-Trichloropropane
Concen: 0.924 ug/l m
RT: 10.832 min Scan# 2953
Delta R.T. -0.007 min
Lab File: VU047609.D
Acq: 18 Mar 2022 10:30

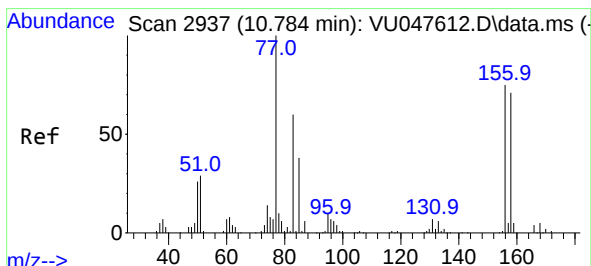
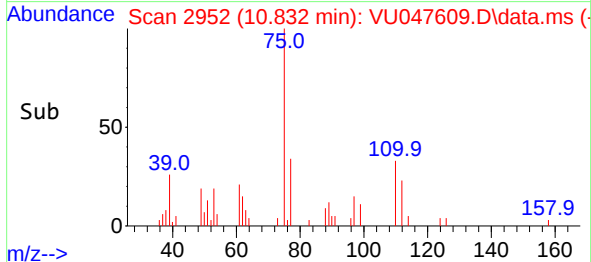
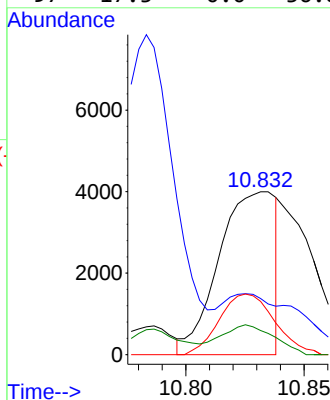
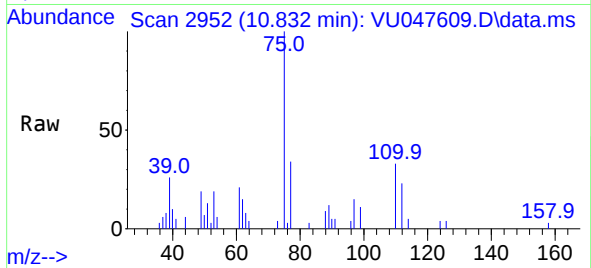
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tgt Ion: 75 Resp: 6670

Ion	Ratio	Lower	Upper
75	100		
77	51.7	0.0	105.6
110	36.4	0.0	71.2
97	17.3	0.0	36.8

Manual Integrations
APPROVED

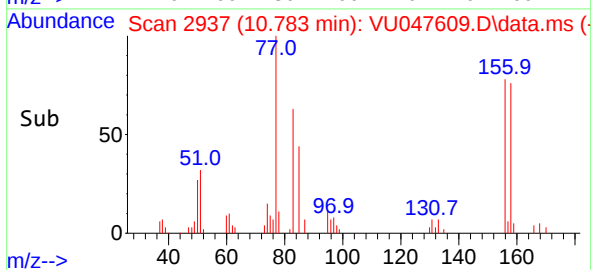
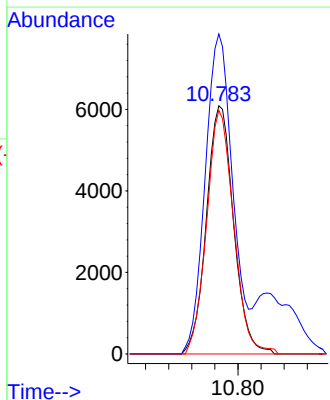
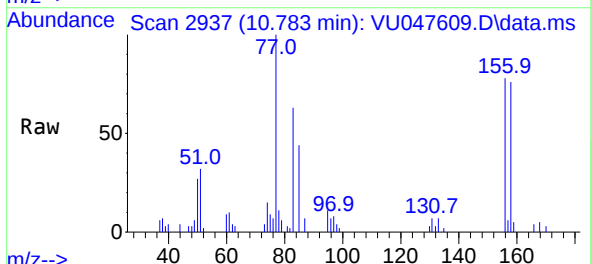
Reviewed By :John Carlone 03/31/2022
Supervised By :Mahesh Dadoda 03/31/2022

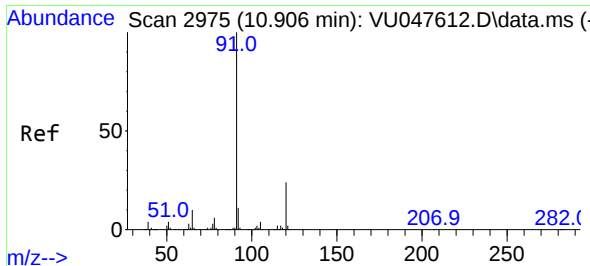


#72
Bromobenzene
Concen: 1.044 ug/l
RT: 10.783 min Scan# 2937
Delta R.T. -0.000 min
Lab File: VU047609.D
Acq: 18 Mar 2022 10:30

Tgt Ion:156 Resp: 9942

Ion	Ratio	Lower	Upper
156	100		
77	129.3	0.0	370.6
158	97.7	0.0	193.4





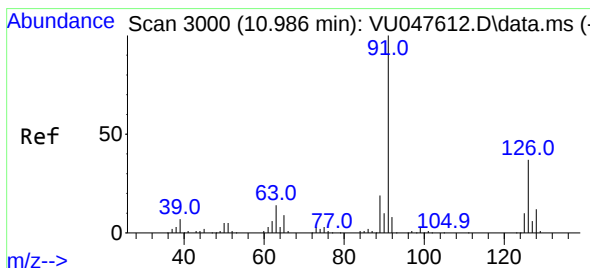
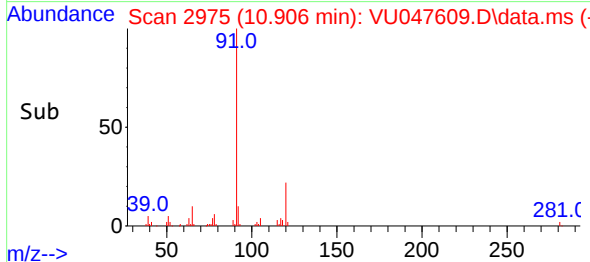
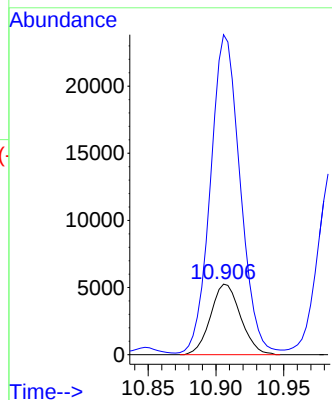
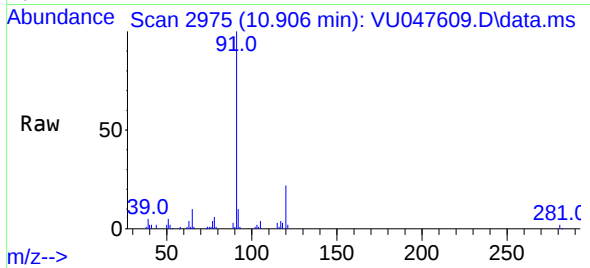
#73
n-propylbenzene
Concen: 0.755 ug/l
RT: 10.906 min Scan# 2975
Delta R.T. -0.003 min
Lab File: VU047609.D
Acq: 18 Mar 2022 10:30

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tgt Ion:120 Resp: 810
Ion Ratio Lower Upper
120 100
91 450.6 370.7 556.1

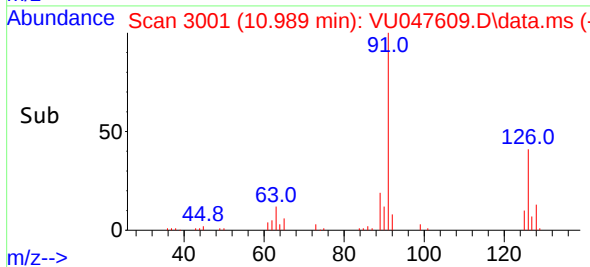
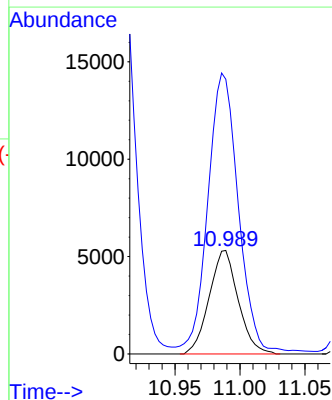
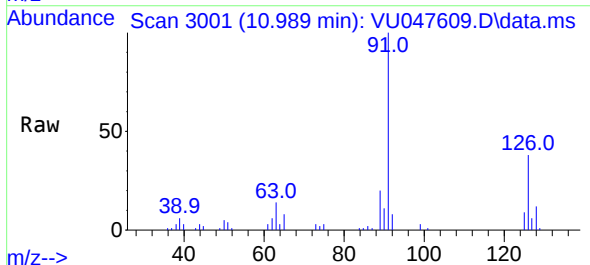
Manual Integrations
APPROVED

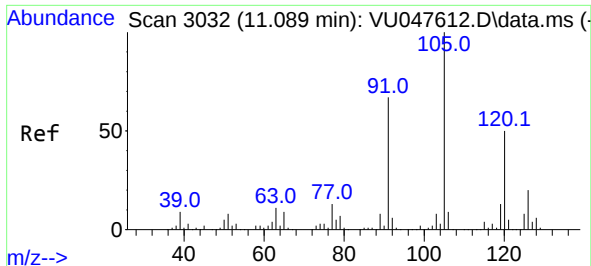
Reviewed By :John Carlone 03/31/2022
Supervised By :Mahesh Dadoda 03/31/2022



#74
2-Chlorotoluene
Concen: 0.902 ug/l
RT: 10.989 min Scan# 3001
Delta R.T. -0.000 min
Lab File: VU047609.D
Acq: 18 Mar 2022 10:30

Tgt Ion:126 Resp: 8250
Ion Ratio Lower Upper
126 100
91 288.8 0.0 639.6





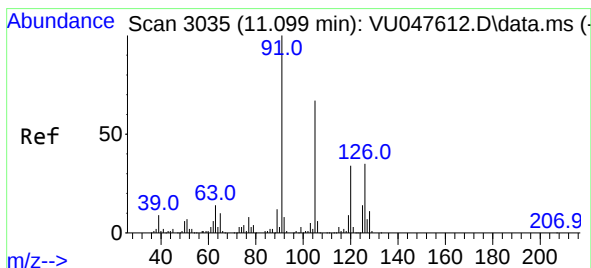
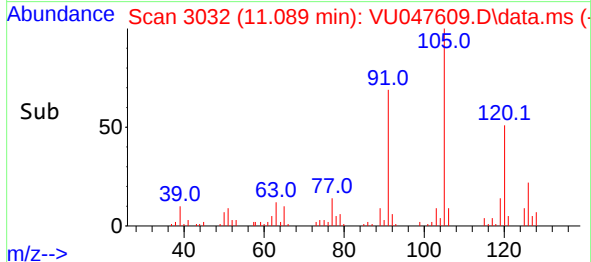
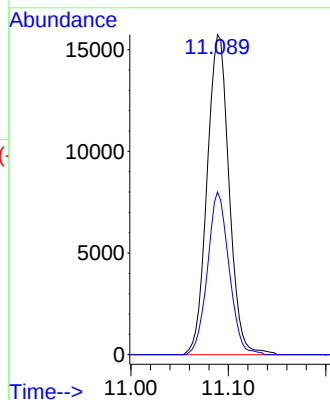
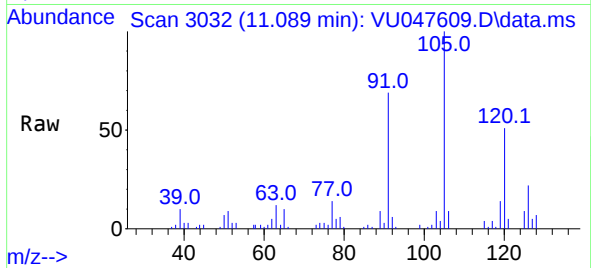
#75
1,3,5-Trimethylbenzene
Concen: 0.771 ug/l
RT: 11.089 min Scan# 3032
Delta R.T. -0.000 min
Lab File: VU047609.D
Acq: 18 Mar 2022 10:30

Instrument :
MSVOA_U
ClientSampleId :
VSTDICC001

Tgt Ion:105 Resp: 2465
Ion Ratio Lower Upper
105 100
120 49.8 38.6 58.0

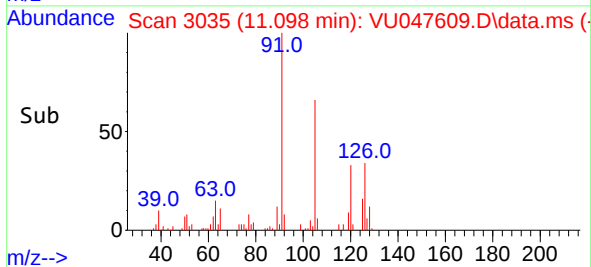
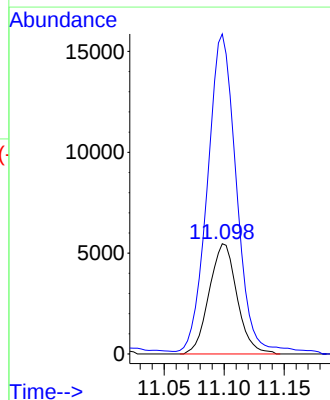
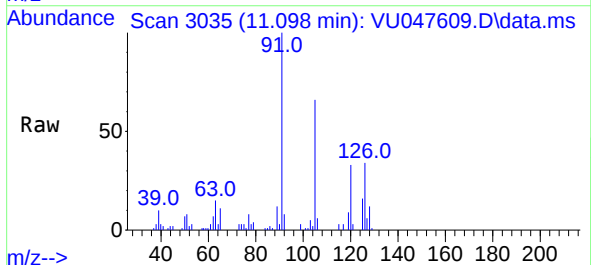
Manual Integrations
APPROVED

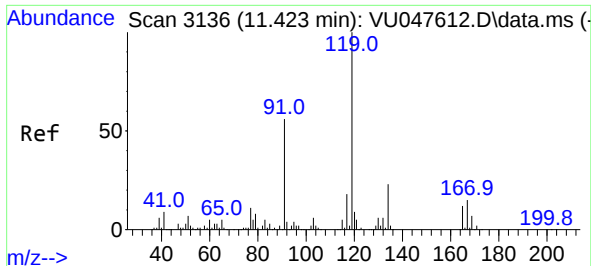
Reviewed By :John Carlone 03/31/2022
Supervised By :Mahesh Dadoda 03/31/2022



#76
4-Chlorotoluene
Concen: 0.917 ug/l
RT: 11.098 min Scan# 3035
Delta R.T. -0.000 min
Lab File: VU047609.D
Acq: 18 Mar 2022 10:30

Tgt Ion:126 Resp: 8818
Ion Ratio Lower Upper
126 100
91 305.9 0.0 728.0





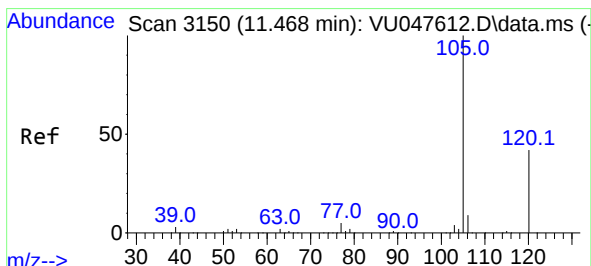
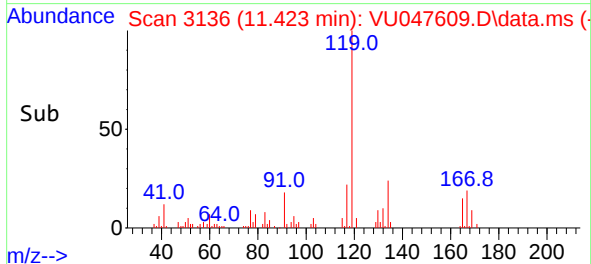
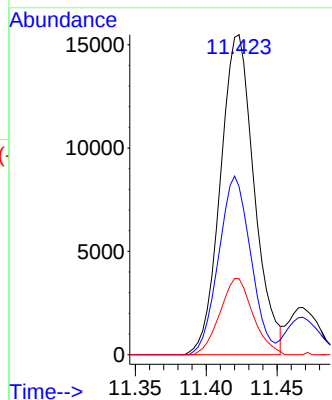
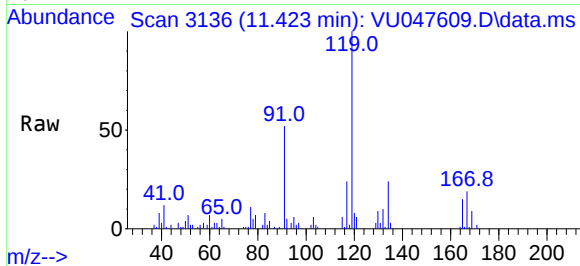
#77
tert-Butylbenzene
Concen: 0.803 ug/l
RT: 11.423 min Scan# 3136
Delta R.T. -0.000 min
Lab File: VU047609.D
Acq: 18 Mar 2022 10:30

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tgt Ion:119 Resp: 25770
Ion Ratio Lower Upper
119 100
91 53.1 31.4 94.3
134 23.2 18.5 27.7

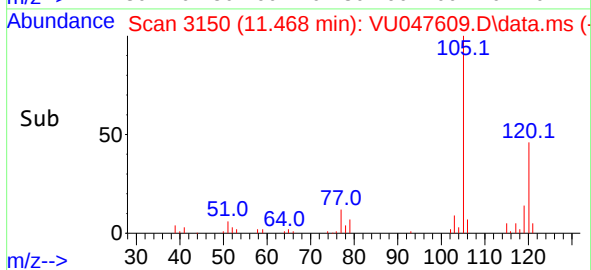
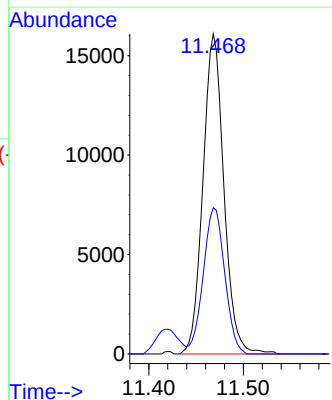
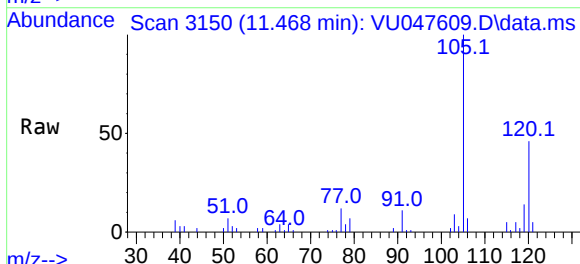
Manual Integrations
APPROVED

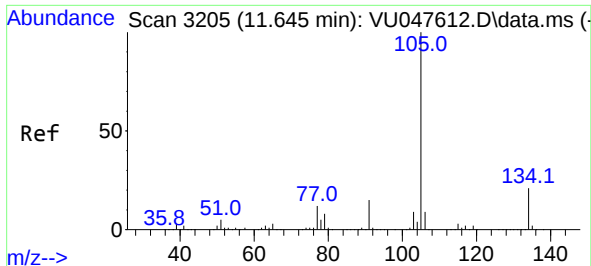
Reviewed By :John Carlone 03/31/2022
Supervised By :Mahesh Dadoda 03/31/2022



#78
1,2,4-Trimethylbenzene
Concen: 0.759 ug/l
RT: 11.468 min Scan# 3150
Delta R.T. -0.000 min
Lab File: VU047609.D
Acq: 18 Mar 2022 10:30

Tgt Ion:105 Resp: 24774
Ion Ratio Lower Upper
105 100
120 46.8 22.3 66.8





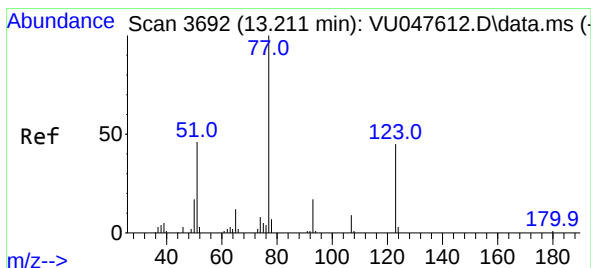
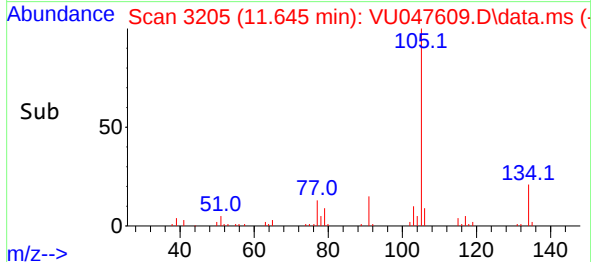
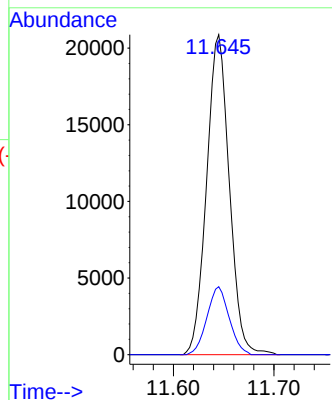
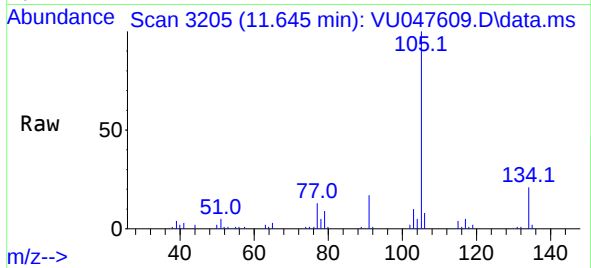
#79
 sec-Butylbenzene
 Concen: 0.768 ug/l
 RT: 11.645 min Scan# 31
 Delta R.T. -0.000 min
 Lab File: VU047609.D
 Acq: 18 Mar 2022 10:30

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tgt Ion:105 Resp: 3274
 Ion Ratio Lower Upper
 105 100
 134 20.8 15.4 23.0

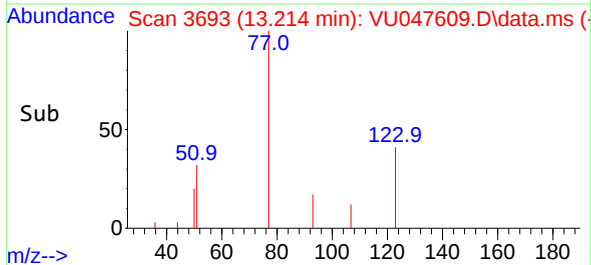
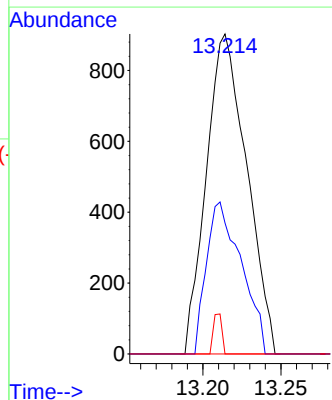
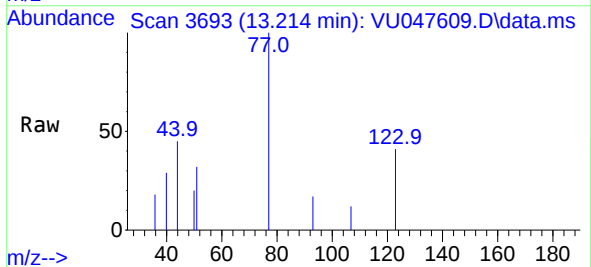
Manual Integrations
 APPROVED

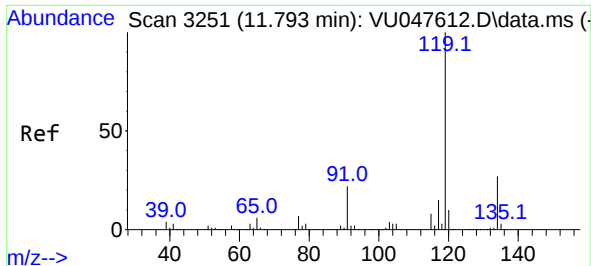
Reviewed By :John Carlone 03/31/2022
 Supervised By :Mahesh Dadoda 03/31/2022



#80
 Nitrobenzene
 Concen: 3.944 ug/l
 RT: 13.214 min Scan# 3693
 Delta R.T. 0.006 min
 Lab File: VU047609.D
 Acq: 18 Mar 2022 10:30

Tgt Ion: 77 Resp: 1628
 Ion Ratio Lower Upper
 77 100
 123 41.0 18.2 64.4
 65 2.6 12.0 15.2#





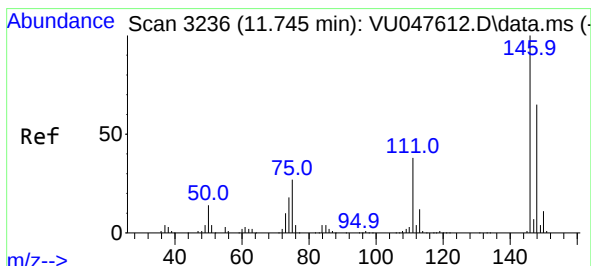
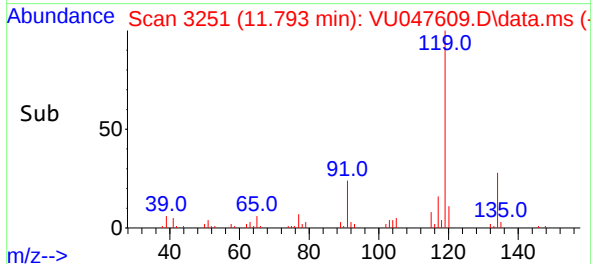
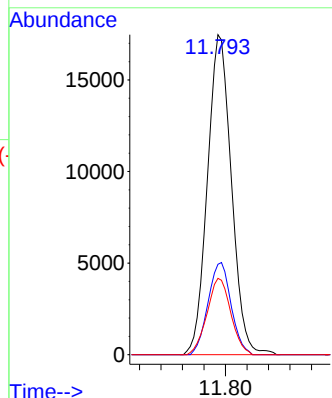
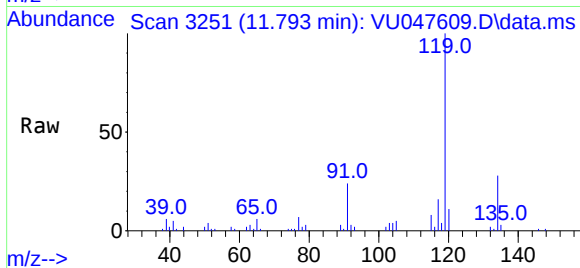
#81
p-Isopropyltoluene
Concen: 0.750 ug/l
RT: 11.793 min Scan# 3251
Delta R.T. -0.003 min
Lab File: VU047609.D
Acq: 18 Mar 2022 10:30

Instrument :
MSVOA_U
ClientSampleId :
VSTDICC001

Tgt Ion:	119	Resp:	27039
Ion Ratio	Lower	Upper	
119	100		
134	27.7	20.2	30.4
91	23.6	19.9	29.9

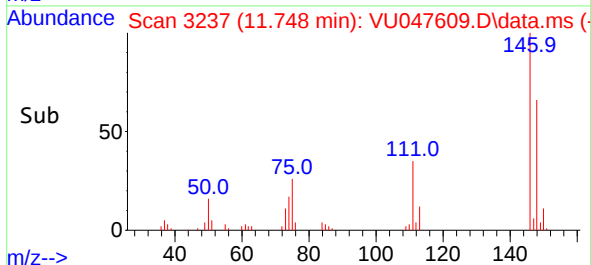
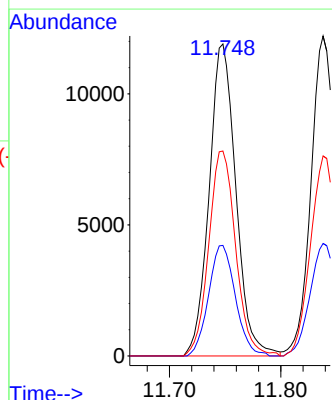
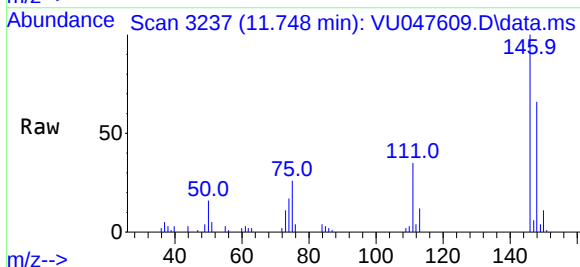
Manual Integrations
APPROVED

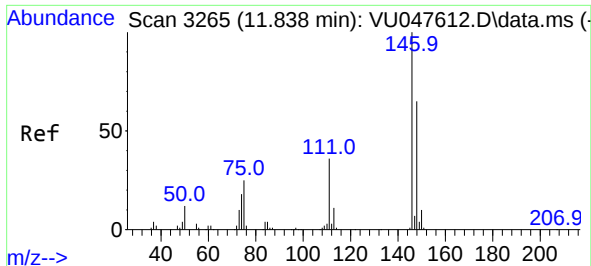
Reviewed By :John Carlone 03/31/2022
Supervised By :Mahesh Dadoda 03/31/2022



#82
1,3-Dichlorobenzene
Concen: 1.072 ug/l
RT: 11.748 min Scan# 3237
Delta R.T. -0.000 min
Lab File: VU047609.D
Acq: 18 Mar 2022 10:30

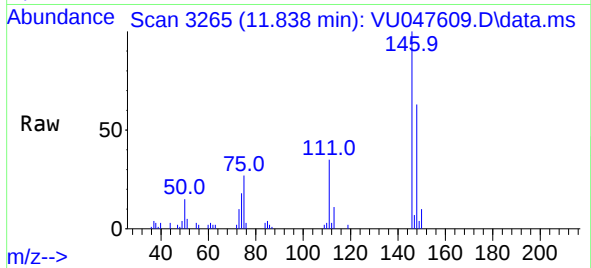
Tgt Ion:	146	Resp:	19869
Ion Ratio	Lower	Upper	
146	100		
111	35.5	33.9	50.9
148	66.1	50.9	76.3





#83
1,4-Dichlorobenzene
Concen: 1.049 ug/l
RT: 11.838 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU047609.D
Acq: 18 Mar 2022 10:30

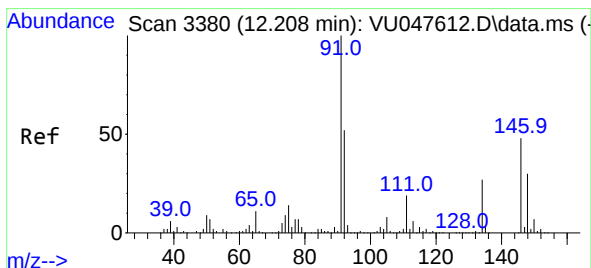
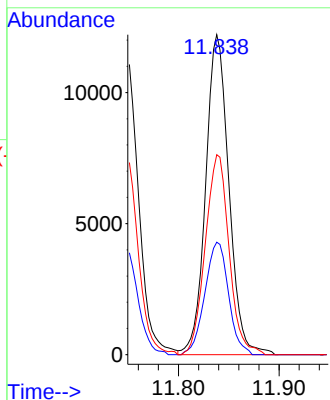
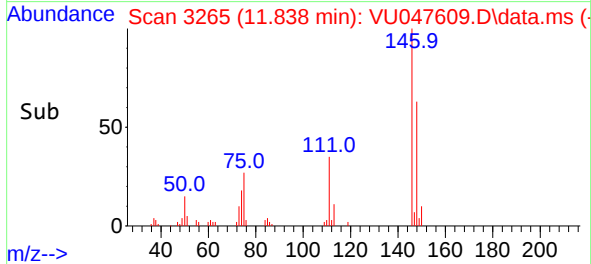
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001



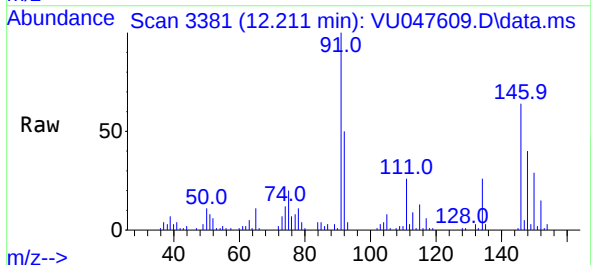
Tgt Ion:146 Resp: 19594
Ion Ratio Lower Upper
146 100
111 35.8 32.7 49.1
148 64.2 51.4 77.0

Manual Integrations
APPROVED

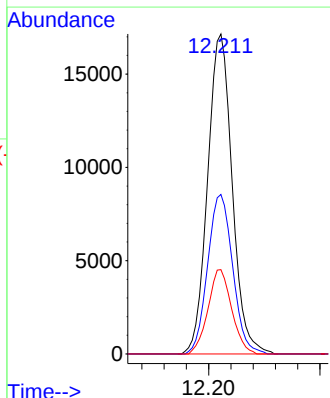
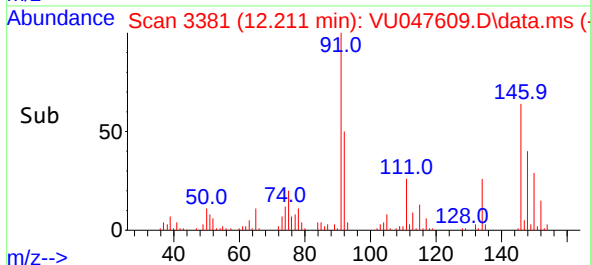
Reviewed By :John Carlone 03/31/2022
Supervised By :Mahesh Dadoda 03/31/2022

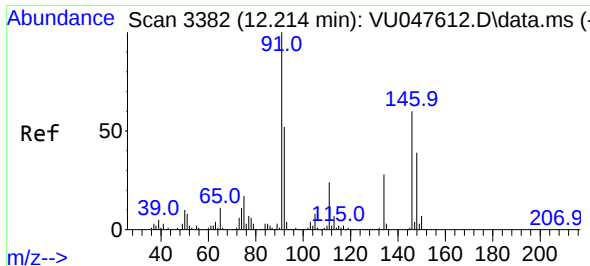


#84
n-Butylbenzene
Concen: 0.760 ug/l
RT: 12.211 min Scan# 3381
Delta R.T. -0.000 min
Lab File: VU047609.D
Acq: 18 Mar 2022 10:30



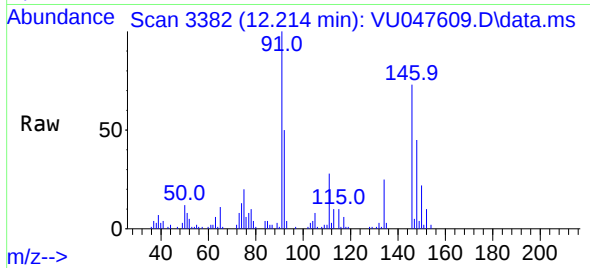
Tgt Ion: 91 Resp: 26297
Ion Ratio Lower Upper
91 100
92 50.7 43.5 65.3
134 25.4 19.0 28.4





#85
1,2-Dichlorobenzene
Concen: 1.045 ug/l
RT: 12.214 min Scan# 311
Delta R.T. -0.000 min
Lab File: VU047609.D
Acq: 18 Mar 2022 10:30

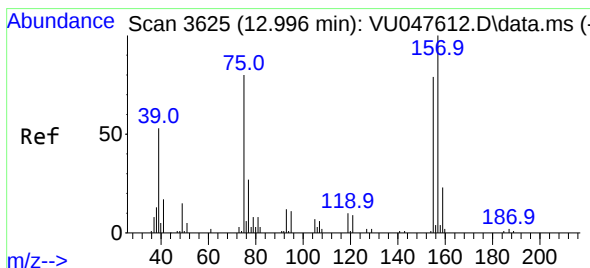
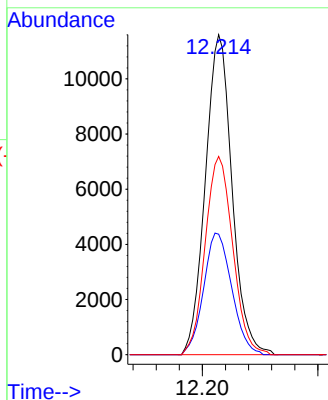
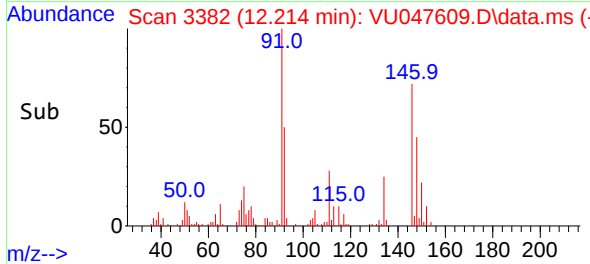
Instrument :
MSVOA_U
ClientSampleId :
VSTDICC001



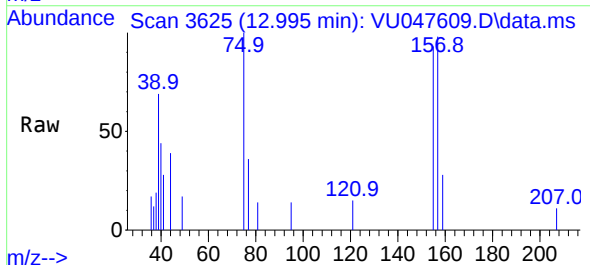
Tgt Ion:146 Resp: 1865
Ion Ratio Lower Upper
146 100
111 40.1 22.1 66.1
148 64.0 31.6 94.7

Manual Integrations
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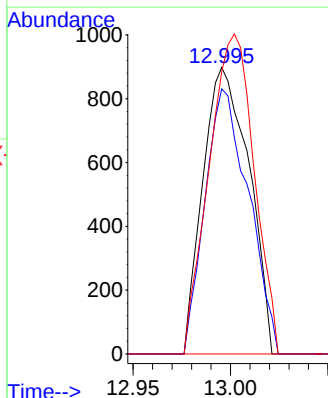
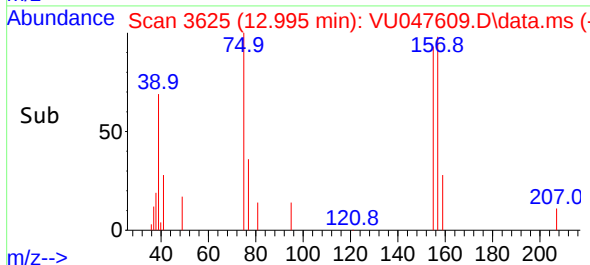
Reviewed By :John Carlone 03/31/2022
Supervised By :Mahesh Dadoda 03/31/2022

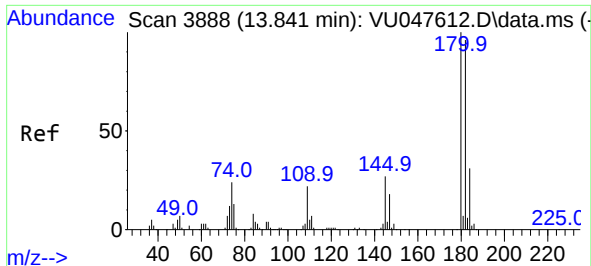


#86
1,2-Dibromo-3-Chloropropane
Concen: 0.940 ug/l
RT: 12.995 min Scan# 3625
Delta R.T. -0.003 min
Lab File: VU047609.D
Acq: 18 Mar 2022 10:30



Tgt Ion: 75 Resp: 1474
Ion Ratio Lower Upper
75 100
155 87.7 57.8 86.8#
157 109.4 75.1 112.7





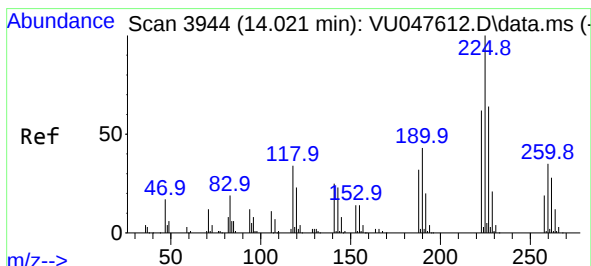
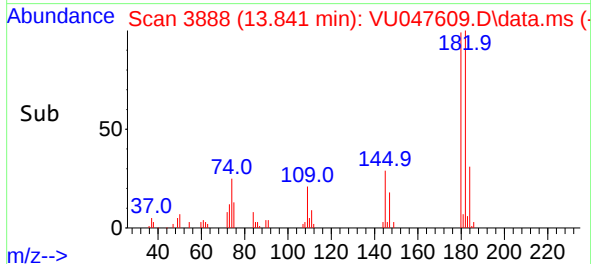
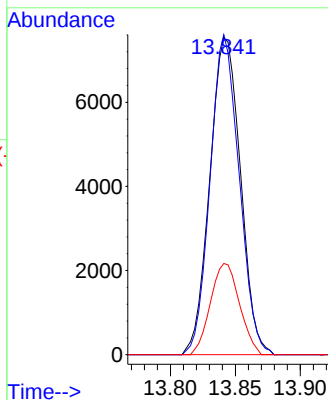
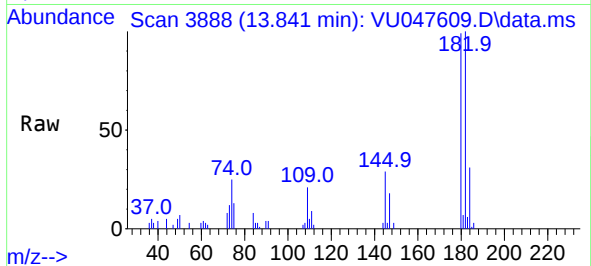
#87
1,2,4-Trichlorobenzene
Concen: 0.882 ug/l
RT: 13.841 min Scan# 3888
Delta R.T. -0.000 min
Lab File: VU047609.D
Acq: 18 Mar 2022 10:30

Instrument : MSVOA_U
ClientSampleId : VSTDICC001

Tgt Ion:180 Resp: 12354
Ion Ratio Lower Upper
180 100
182 95.4 75.8 113.8
145 27.2 25.3 37.9

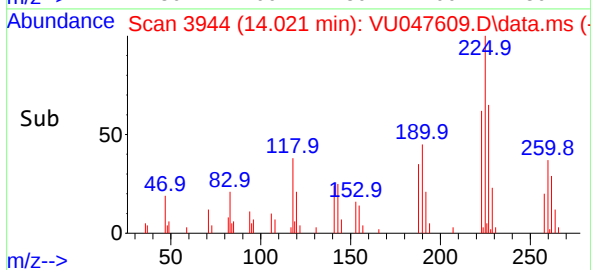
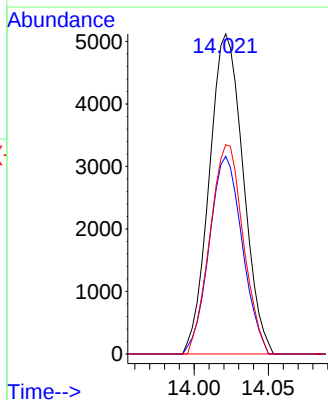
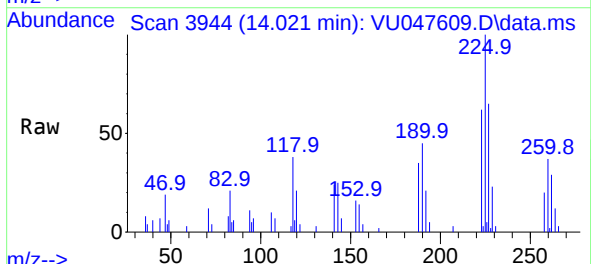
Manual Integrations
APPROVED

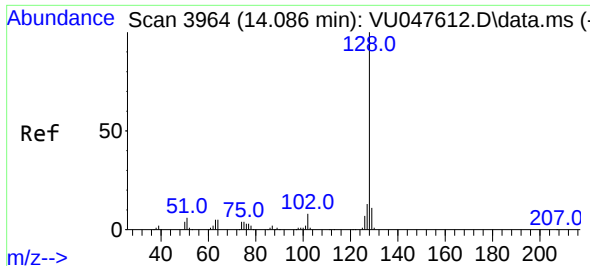
Reviewed By :John Carlone 03/31/2022
Supervised By :Mahesh Dadoda 03/31/2022



#88
Hexachlorobutadiene
Concen: 1.136 ug/l
RT: 14.021 min Scan# 3944
Delta R.T. -0.000 min
Lab File: VU047609.D
Acq: 18 Mar 2022 10:30

Tgt Ion:225 Resp: 8140
Ion Ratio Lower Upper
225 100
223 60.0 51.1 76.7
227 64.1 49.9 74.9





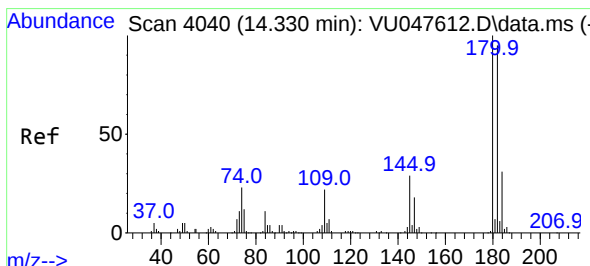
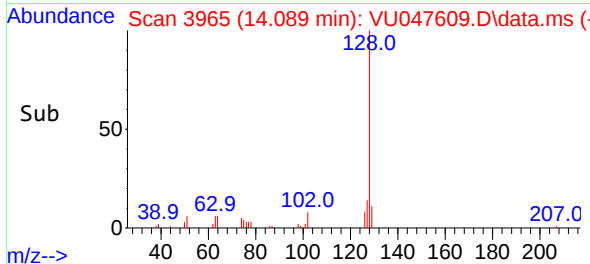
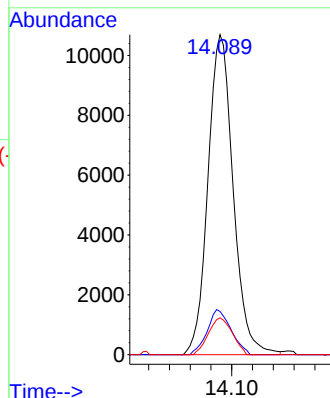
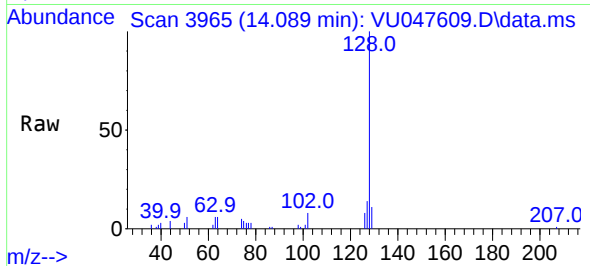
#89
Naphthalene
Concen: 0.627 ug/l
RT: 14.089 min Scan# 3964
Delta R.T. 0.003 min
Lab File: VU047609.D
Acq: 18 Mar 2022 10:30

Instrument :
MSVOA_U
ClientSampleId :
VSTDICC001

Tgt Ion:128 Resp: 17989
Ion Ratio Lower Upper
128 100
127 13.3 10.6 16.0
129 10.9 8.6 13.0

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/31/2022
Supervised By :Mahesh Dadoda 03/31/2022



#90
1,2,3-Trichlorobenzene
Concen: 0.936 ug/l
RT: 14.330 min Scan# 4040
Delta R.T. -0.000 min
Lab File: VU047609.D
Acq: 18 Mar 2022 10:30

Tgt Ion:180 Resp: 11766
Ion Ratio Lower Upper
180 100
182 93.4 75.4 113.0
145 27.5 27.0 40.4

