

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111522\
 Data File : VU051867.D
 Acq On : 15 Nov 2022 18:22
 Operator : JC/MD
 Sample : MDL02
 Misc : 5.00g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL02

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/16/2022
 Supervised By : Mahesh Dadoda 11/16/2022

Quant Time: Nov 16 01:24:39 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111522WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Nov 16 01:02:23 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	463802	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	466072	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	172966	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	104931	46.084	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	92.160%		
7) Chloroethane-d5	1.906	69	112644	49.377	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	98.760%		
11) 1,1-Dichloroethene-d2	2.565	63	129139	31.628	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	63.260%		
21) 2-Butanone-d5	4.616	46	255201m	98.565	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	98.570%		
24) Chloroform-d	5.063	84	267843	46.926	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	93.860%		
26) 1,2-Dichloroethane-d4	5.700	65	170575	48.819	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	97.640%		
32) Benzene-d6	5.726	84	472081	48.579	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	97.160%		
36) 1,2-Dichloropropane-d6	6.687	67	180997	50.037	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	100.080%		
41) Toluene-d8	7.896	98	358862	44.990	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	89.980%		
43) trans-1,3-Dichloroprop...	8.176	79	64916	45.056	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	90.120%		
47) 2-Hexanone-d5	8.629	63	164163	89.298	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	89.300%		
56) 1,1,2,2-Tetrachloroeth...	10.751	84	320998	45.596	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	91.200%		
66) 1,2-Dichlorobenzene-d4	12.192	152	164043	53.892	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	107.780%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	4320	1.517	ug/L	95
3) Chloromethane	1.523	50	9634	2.548	ug/L	99
5) Vinyl chloride	1.604	62	7138	1.820	ug/L #	1
6) Bromomethane	1.848	94	3327	1.958	ug/L	97
8) Chloroethane	1.928	64	4730	1.855	ug/L	84
9) Trichlorofluoromethane	2.134	101	7940	1.691	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.581	101	6034	2.039	ug/L #	82
12) 1,1-Dichloroethene	2.578	96	5934	2.147	ug/L #	1
13) Acetone	2.626	43	11287	4.075	ug/L	98
14) Carbon disulfide	2.793	76	14287	1.866	ug/L	98
15) Methyl Acetate	2.951	43	6687m	1.771	ug/L	
16) Methylene chloride	3.044	84	7401	1.677	ug/L	98
17) trans-1,2-Dichloroethene	3.353	96	5281	1.773	ug/L	87
18) Methyl tert-butyl Ether	3.359	73	15500	1.681	ug/L #	93
19) 1,1-Dichloroethane	3.870	63	10626	1.753	ug/L	93
20) cis-1,2-Dichloroethene	4.665	96	5696	1.639	ug/L	97
22) 2-Butanone	4.713	43	11559m	3.695	ug/L	
23) Bromochloromethane	4.977	128	3408	1.777	ug/L	85
27) 1,2-Dichloroethane	5.796	62	9147	1.957	ug/L	97

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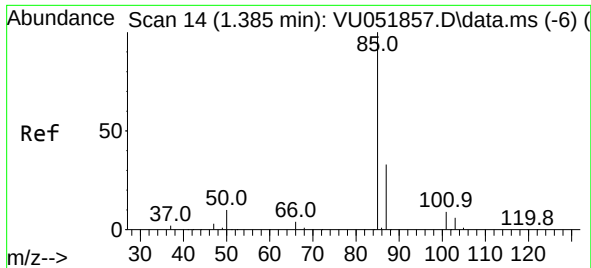
Manual Integrations
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 Quant Title : VOC Analysis
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) Cyclohexane	5.385	56	6016	1.513	ug/L	98
30) 1,1,1-Trichloroethane	5.314	97	7923	1.681	ug/L	97
31) Carbon tetrachloride	5.523	117	6783	1.722	ug/L	98
33) Benzene	5.774	78	24841	1.853	ug/L	100
35) Methylcyclohexane	6.761	83	6390	1.484	ug/L	97
37) 1,2-Dichloropropane	6.790	63	7044	1.856	ug/L #	95
38) Bromodichloromethane	7.105	83	8342	1.756	ug/L #	96
39) cis-1,3-Dichloropropene	7.607	75	7942	1.599	ug/L	95
40) 4-Methyl-2-pentanone	7.790	43	16160	3.233	ug/L #	93
42) Toluene	7.970	91	24586	1.783	ug/L	99
44) trans-1,3-Dichloropropene	8.211	75	8103m	1.703	ug/L	
45) 1,1,2-Trichloroethane	8.398	97	6707	1.739	ug/L	94
46) Tetrachloroethene	8.552	164	4599	1.813	ug/L	86
49) Dibromochloromethane	8.806	129	6460	1.624	ug/L	99
50) 1,2-Dibromoethane	8.922	107	6485	1.670	ug/L #	85
51) Chlorobenzene	9.443	112	15755	1.672	ug/L	97
52) Ethylbenzene	9.568	91	20226	1.433	ug/L	97
53) m,p-Xylene	9.693	106	7659	1.402	ug/L	94
54) o-Xylene	10.099	106	7422	1.335	ug/L	99
55) Styrene	10.115	104	10503	1.095	ug/L	89
57) 1,1,2,2-Tetrachloroethane	10.777	83	12805	1.757	ug/L #	98
59) Bromoform	10.288	173	4802	2.048	ug/L	99
60) 1,2,3-Trichloropropane	10.819	75	9500	2.296	ug/L	95
61) Isopropylbenzene	10.484	105	16816	1.663	ug/L	99
62) 1,3,5-Trimethylbenzene	11.086	105	12013	1.458	ug/L	95
63) 1,2,4-Trimethylbenzene	11.465	105	11264	1.400	ug/L	99
64) 1,3-Dichlorobenzene	11.745	146	9002	1.757	ug/L	94
65) 1,4-Dichlorobenzene	11.835	146	10165	1.959	ug/L	95
67) 1,2-Dichlorobenzene	12.208	146	10766	1.976	ug/L	90
68) 1,2-Dibromo-3-chloropr...	12.996	75	2119	2.000	ug/L	94
69) 1,3,5-Trichlorobenzene	13.221	180	6097	1.794	ug/L	96
70) 1,2,4-trichlorobenzene	13.841	180	4901	1.819	ug/L	96
71) Naphthalene	14.089	128	13552	1.529	ug/L	99

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



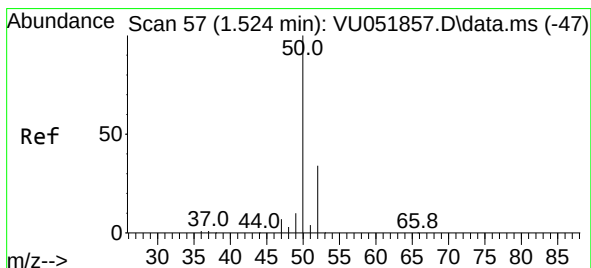
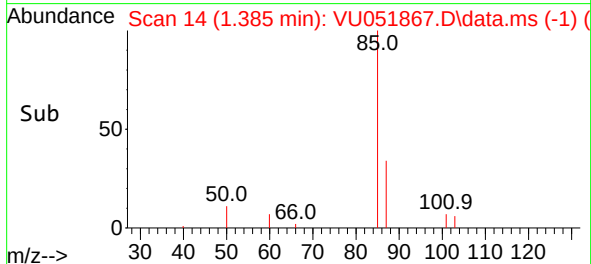
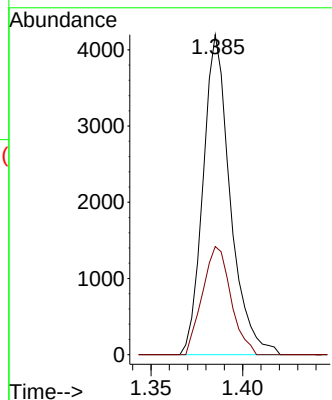
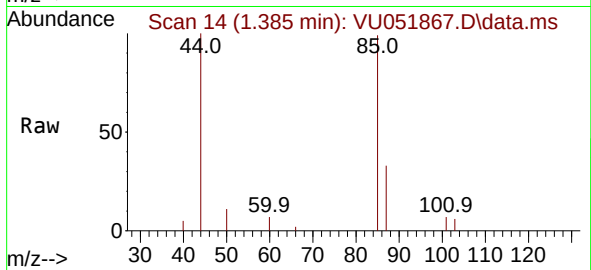
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Dichlorodifluoromethane
Concen: 1.517 ug/L
RT: 1.385 min Scan# 14
Delta R.T. -0.000 min
Lab File: VU051867.D
Acq: 15 Nov 2022 18:22

Instrument :
MSVOA_U
ClientSampleId :
MDL02

Tgt Ion: 85 Resp: 4320
Ion Ratio Lower Upper
85 100
87 35.3 26.0 39.0

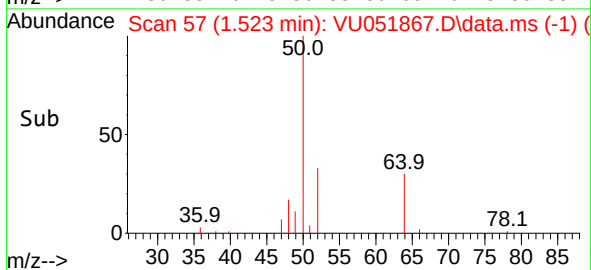
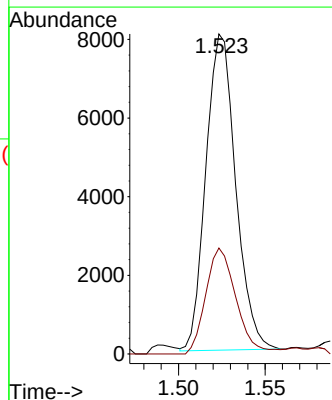
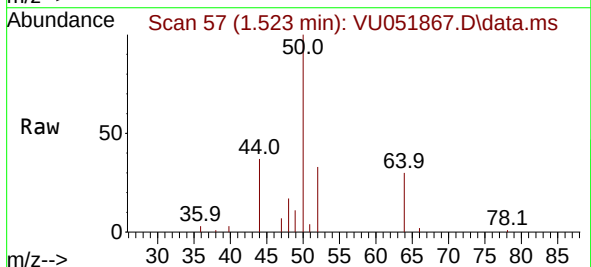
Manual Integrations
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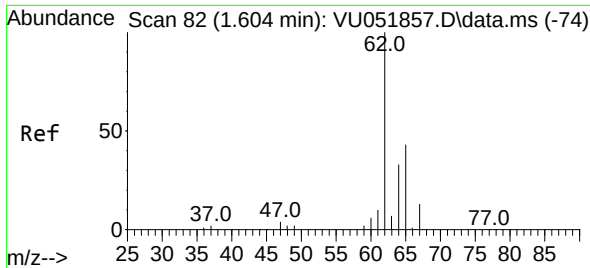
Reviewed By :John Carlone 11/16/2022
Supervised By :Mahesh Dadoda 11/16/2022



#3
Chloromethane
Concen: 2.548 ug/L
RT: 1.523 min Scan# 57
Delta R.T. -0.000 min
Lab File: VU051867.D
Acq: 15 Nov 2022 18:22

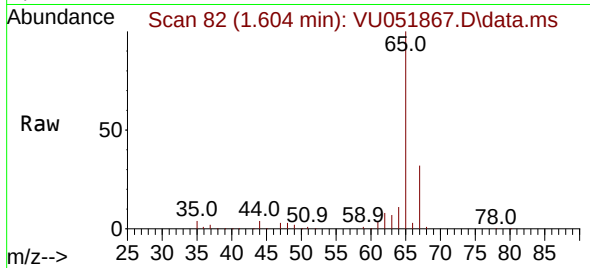
Tgt Ion: 50 Resp: 9634
Ion Ratio Lower Upper
50 100
52 33.1 23.4 43.6





#5
 Vinyl chloride
 Concen: 1.820 ug/L
 RT: 1.604 min Scan# 82
 Delta R.T. -0.000 min
 Lab File: VU051867.D
 Acq: 15 Nov 2022 18:22

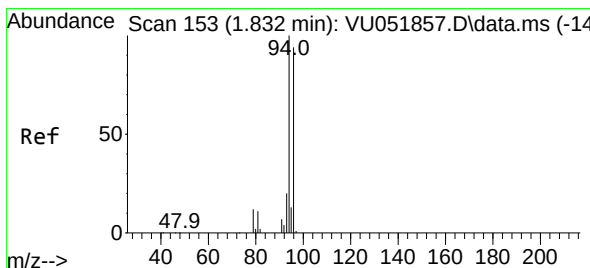
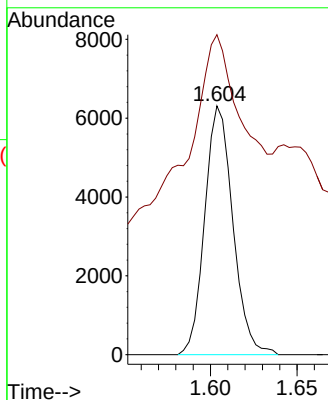
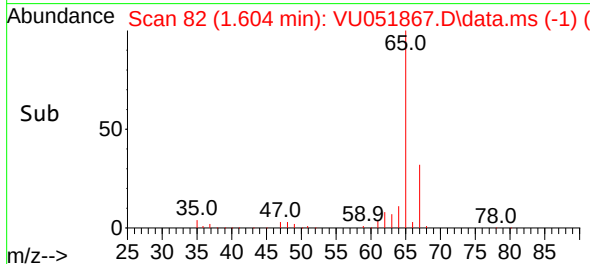
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL02



Tgt Ion: 62 Resp: 7138
 Ion Ratio Lower Upper
 62 100
 64 128.6 24.3 45.1

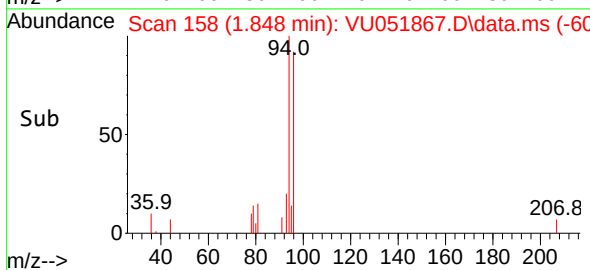
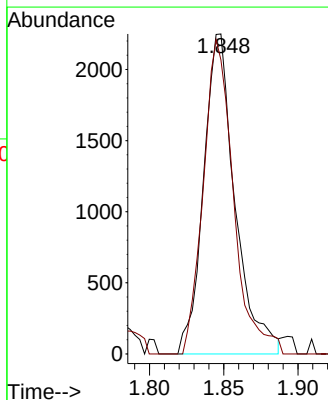
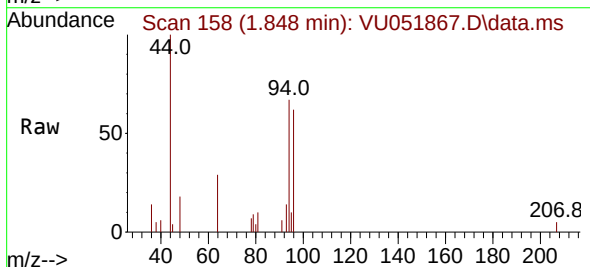
Manual Integrations
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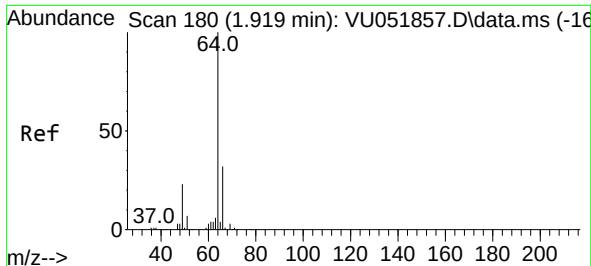
Reviewed By :John Carlone 11/16/2022
 Supervised By :Mahesh Dadoda 11/16/2022



#6
 Bromomethane
 Concen: 1.958 ug/L
 RT: 1.848 min Scan# 158
 Delta R.T. 0.016 min
 Lab File: VU051867.D
 Acq: 15 Nov 2022 18:22

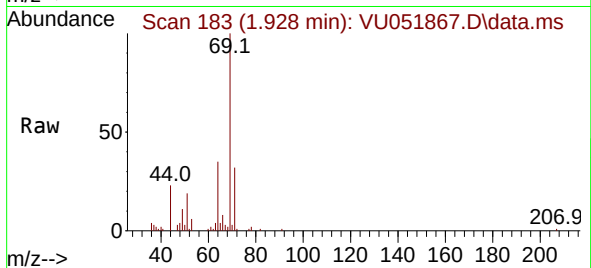
Tgt Ion: 94 Resp: 3327
 Ion Ratio Lower Upper
 94 100
 96 91.9 66.1 122.7





#8
Chloroethane
Concen: 1.855 ug/L
RT: 1.928 min Scan# 180
Delta R.T. 0.009 min
Lab File: VU051867.D
Acq: 15 Nov 2022 18:22

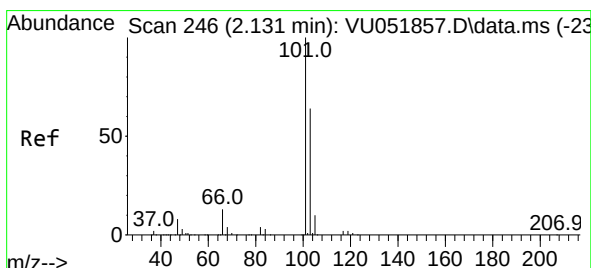
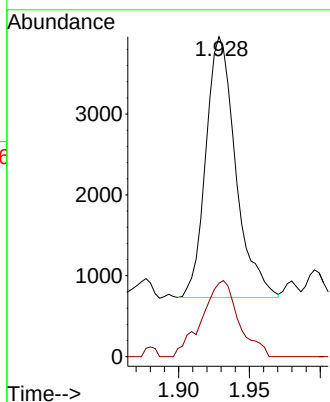
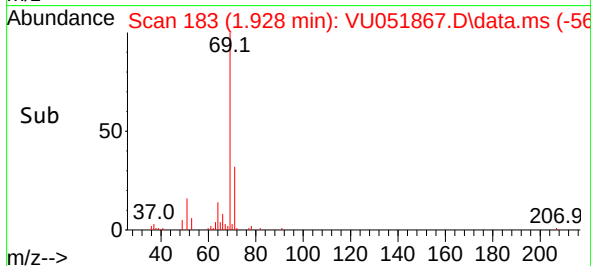
Instrument :
MSVOA_U
ClientSampleId :
MDL02



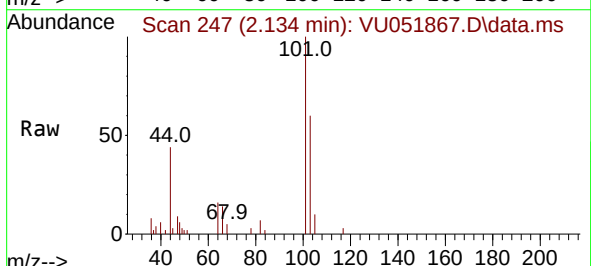
Tgt Ion: 64 Resp: 4730
Ion Ratio Lower Upper
64 100
66 22.9 22.4 41.6

Manual Integrations
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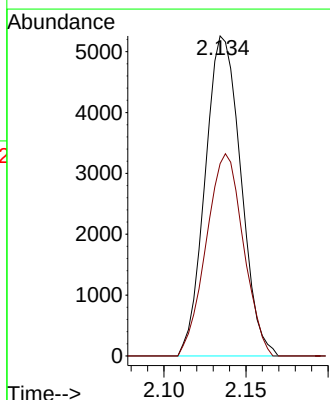
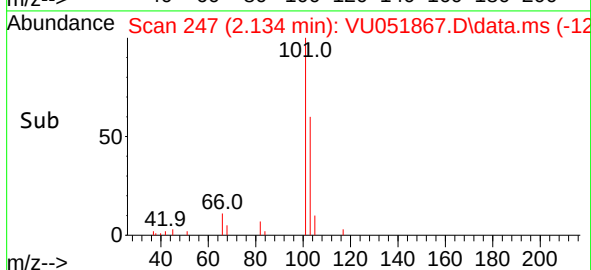
Reviewed By :John Carlone 11/16/2022
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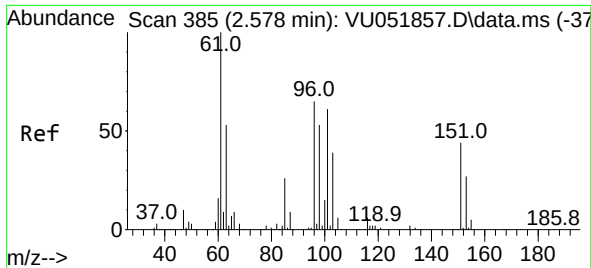


#9
Trichlorofluoromethane
Concen: 1.691 ug/L
RT: 2.134 min Scan# 247
Delta R.T. 0.003 min
Lab File: VU051867.D
Acq: 15 Nov 2022 18:22



Tgt Ion:101 Resp: 7940
Ion Ratio Lower Upper
101 100
103 65.8 51.4 77.2





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 2.039 ug/L

RT: 2.581 min Scan# 386

Delta R.T. 0.003 min

Lab File: VU051867.D

Acq: 15 Nov 2022 18:22

Instrument :

MSVOA_U

ClientSampleId :

MDL02

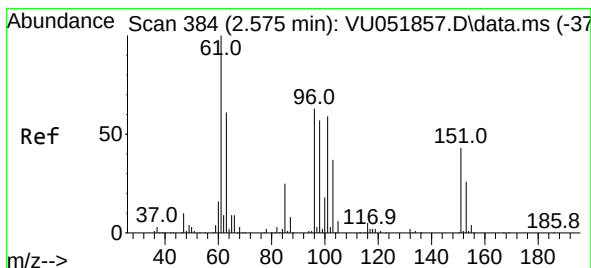
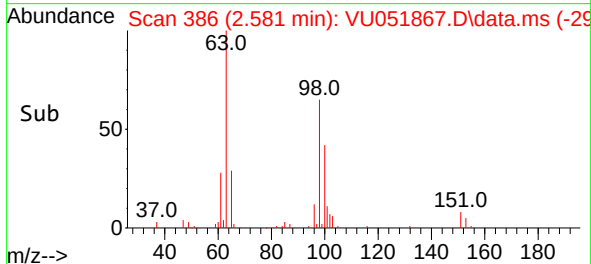
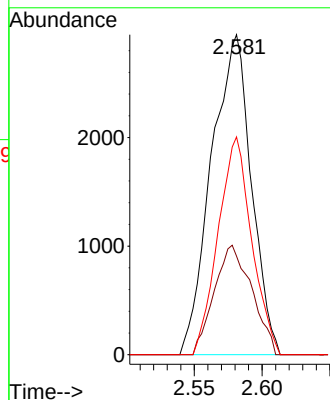
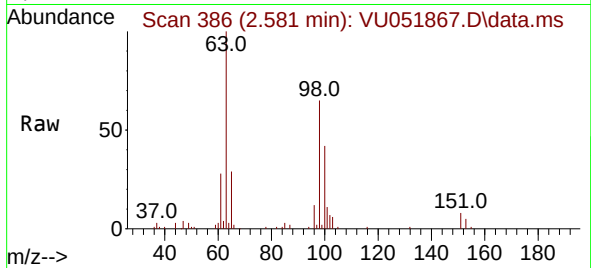
Tgt Ion:	101	Resp:	6034
Ion Ratio	Lower	Upper	
101	100		
85	32.2	34.2	51.2
151	57.2	58.3	87.5

Manual Integrations

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#12

1,1-Dichloroethene

Concen: 2.147 ug/L

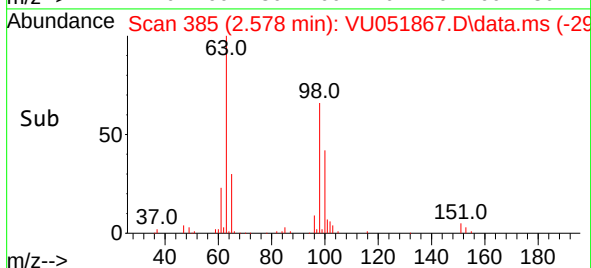
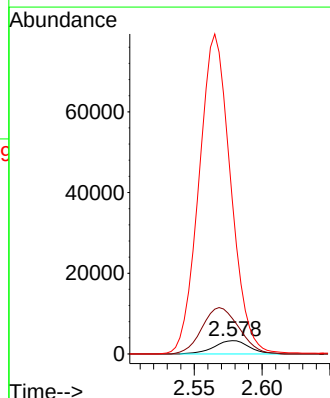
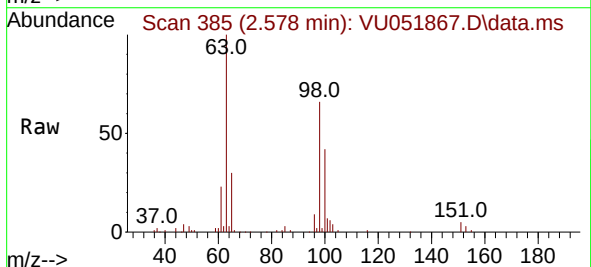
RT: 2.578 min Scan# 385

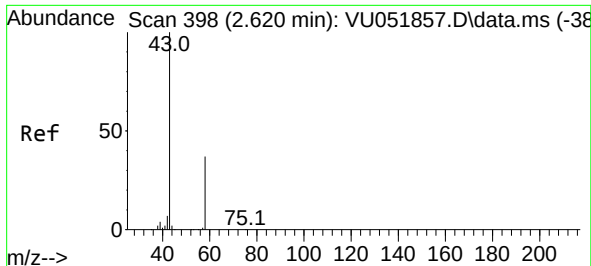
Delta R.T. 0.003 min

Lab File: VU051867.D

Acq: 15 Nov 2022 18:22

Tgt Ion:	96	Resp:	5934
Ion Ratio	Lower	Upper	
96	100		
61	268.9	110.7	205.5#
63	1168.5	68.6	127.4#





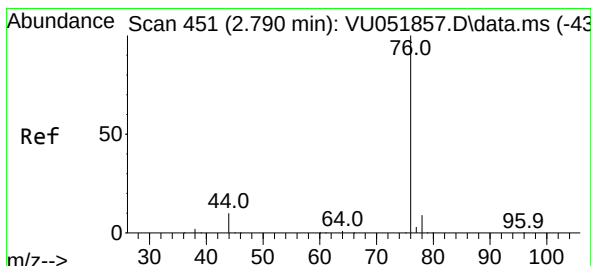
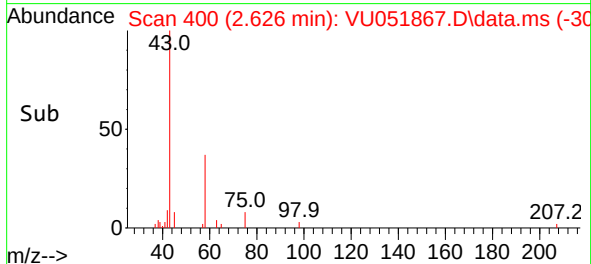
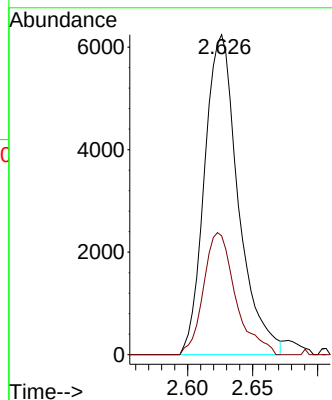
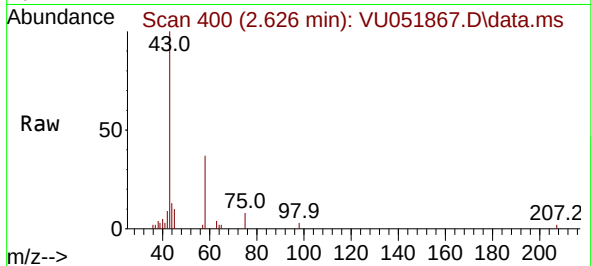
#13
Acetone
Concen: 4.075 ug/L
RT: 2.626 min Scan# 400
Delta R.T. 0.006 min
Lab File: VU051867.D
Acq: 15 Nov 2022 18:22

Instrument :
MSVOA_U
ClientSampleId :
MDL02

Tgt Ion: 43 Resp: 1128
Ion Ratio Lower Upper
43 100
58 36.3 0.0 75.4

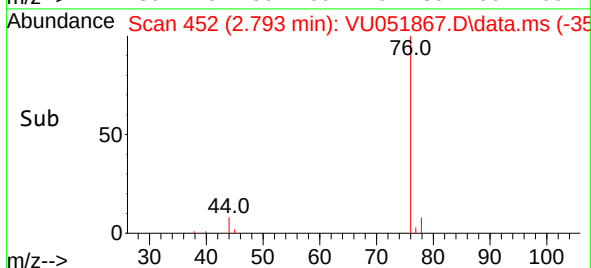
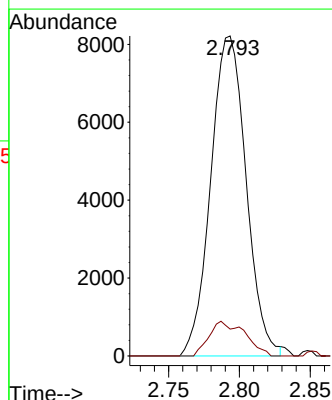
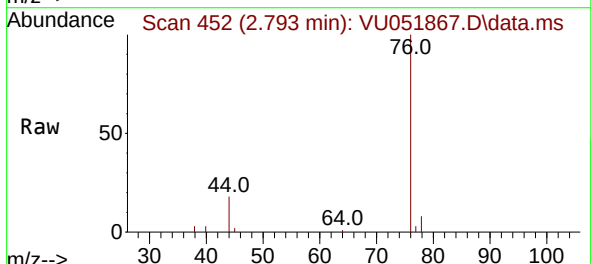
Manual Integrations
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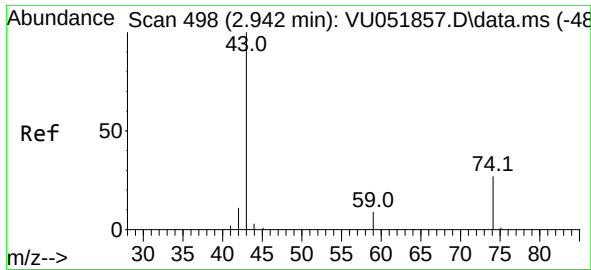
Reviewed By :John Carlone 11/16/2022
Supervised By :Mahesh Dadoda 11/16/2022



#14
Carbon disulfide
Concen: 1.866 ug/L
RT: 2.793 min Scan# 452
Delta R.T. 0.003 min
Lab File: VU051867.D
Acq: 15 Nov 2022 18:22

Tgt Ion: 76 Resp: 14287
Ion Ratio Lower Upper
76 100
78 8.4 7.4 11.0





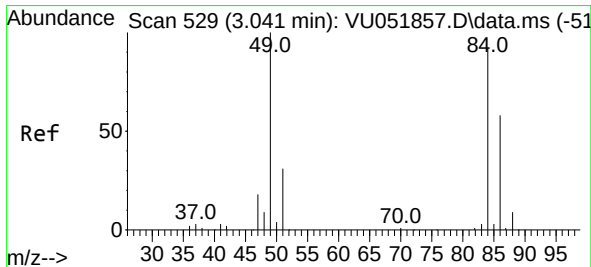
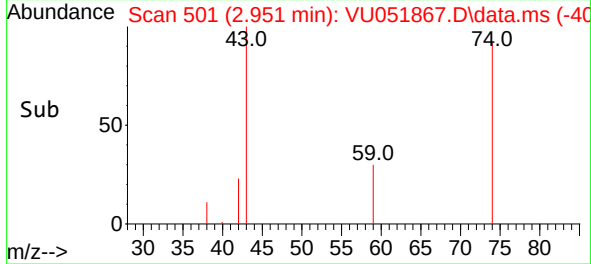
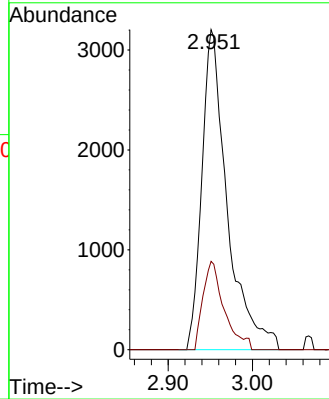
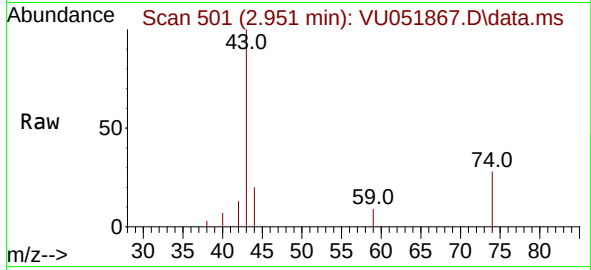
#15
Methyl Acetate
Concen: 1.771 ug/L m
RT: 2.951 min Scan# 501
Delta R.T. 0.009 min
Lab File: VU051867.D
Acq: 15 Nov 2022 18:22

Instrument :
MSVOA_U
ClientSampleId :
MDL02

Tgt Ion: 43 Resp: 668
Ion Ratio Lower Upper
43 100
74 22.3 21.8 32.8

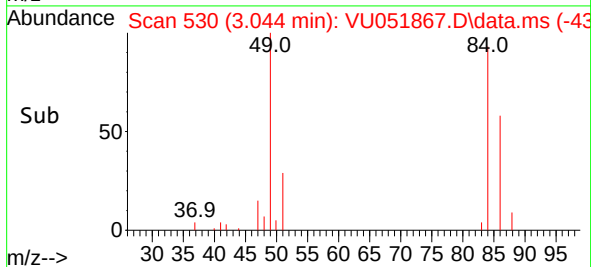
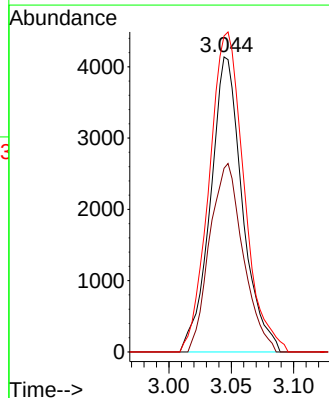
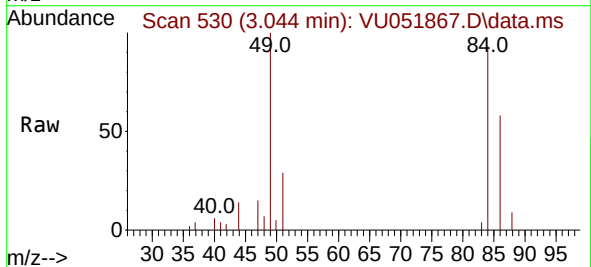
Manual Integrations
APPROVED

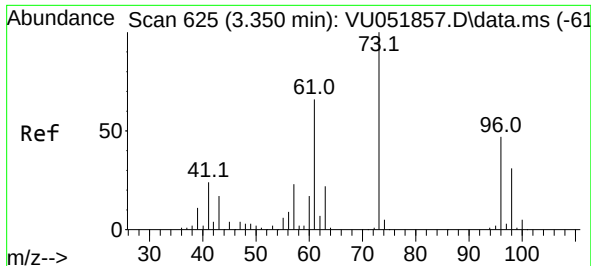
Reviewed By :John Carlone 11/16/2022
Supervised By :Mahesh Dadoda 11/16/2022



#16
Methylene chloride
Concen: 1.677 ug/L
RT: 3.044 min Scan# 530
Delta R.T. 0.003 min
Lab File: VU051867.D
Acq: 15 Nov 2022 18:22

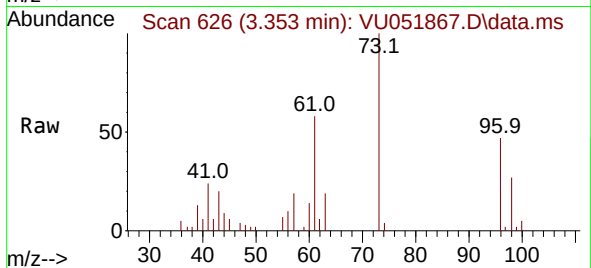
Tgt Ion: 84 Resp: 7401
Ion Ratio Lower Upper
84 100
86 62.3 44.7 82.9
49 107.1 76.5 142.1





#17
trans-1,2-Dichloroethene
Concen: 1.773 ug/L
RT: 3.353 min Scan# 611
Delta R.T. 0.003 min
Lab File: VU051867.D
Acq: 15 Nov 2022 18:22

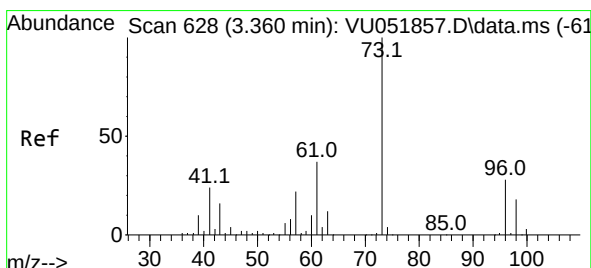
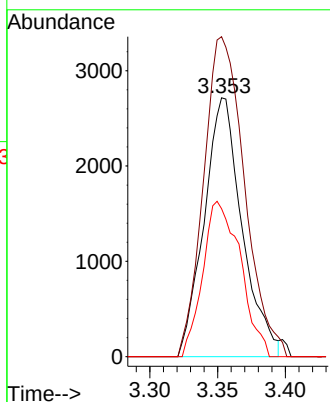
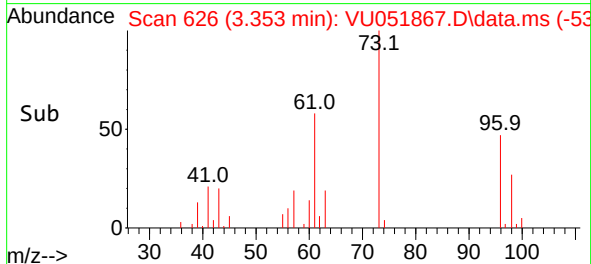
Instrument :
MSVOA_U
ClientSampleId :
MDL02



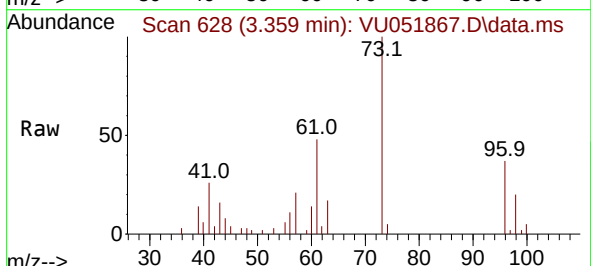
Tgt Ion: 96 Resp: 528
Ion Ratio Lower Upper
96 100
61 123.6 98.3 182.7
98 57.2 45.5 84.5

Manual Integrations
APPROVED

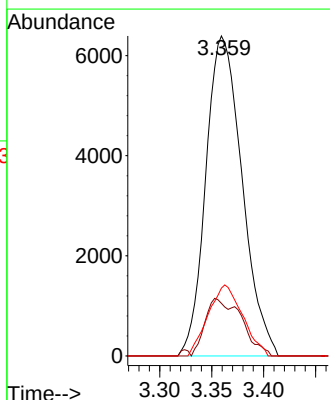
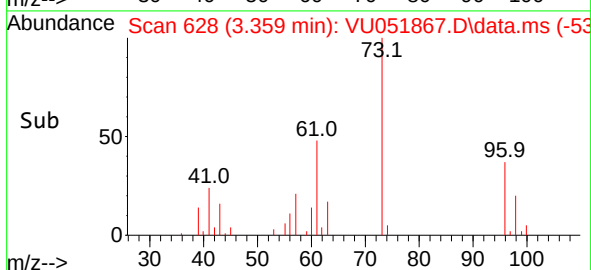
Reviewed By :John Carlone 11/16/2022
Supervised By :Mahesh Dadoda 11/16/2022

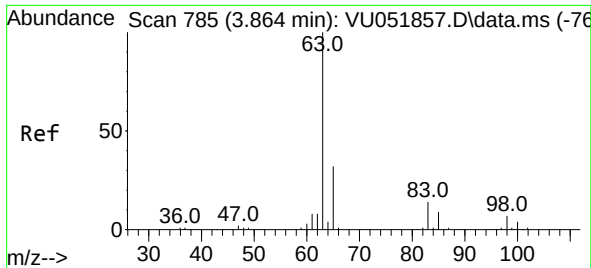


#18
Methyl tert-butyl Ether
Concen: 1.681 ug/L
RT: 3.359 min Scan# 628
Delta R.T. -0.000 min
Lab File: VU051867.D
Acq: 15 Nov 2022 18:22



Tgt Ion: 73 Resp: 15500
Ion Ratio Lower Upper
73 100
43 10.7 13.4 20.0#
57 21.1 17.7 26.5





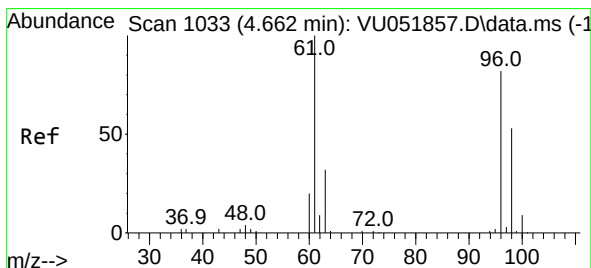
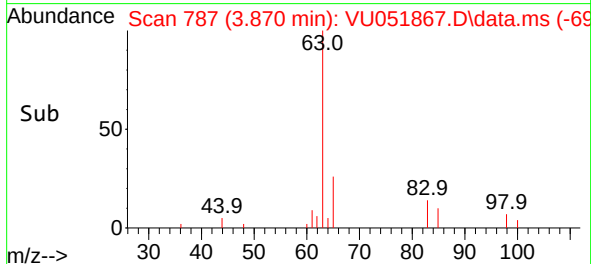
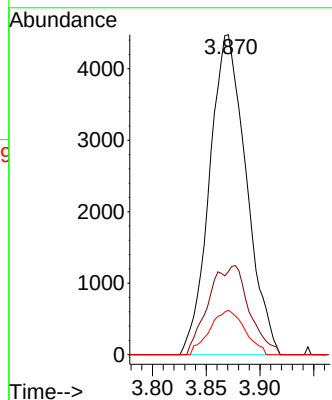
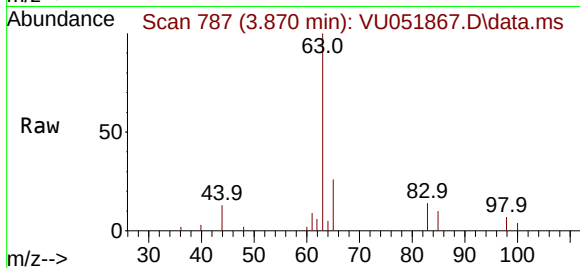
#19
1,1-Dichloroethane
Concen: 1.753 ug/L
RT: 3.870 min Scan# 785
Delta R.T. 0.006 min
Lab File: VU051867.D
Acq: 15 Nov 2022 18:22

Instrument :
MSVOA_U
ClientSampleId :
MDL02

Tgt Ion: 63 Resp: 10620
Ion Ratio Lower Upper
63 100
65 26.0 22.2 41.2
83 13.9 9.6 17.8

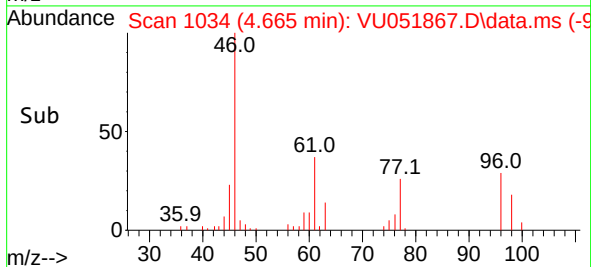
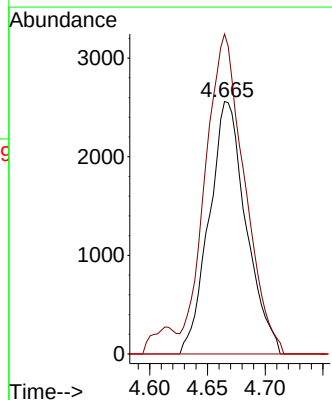
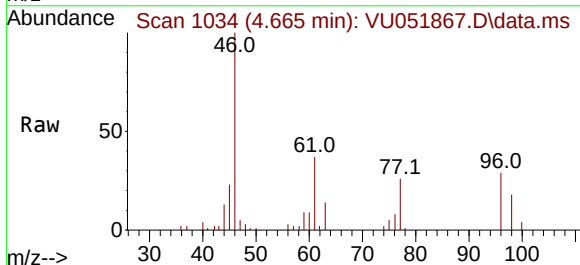
Manual Integrations
APPROVED

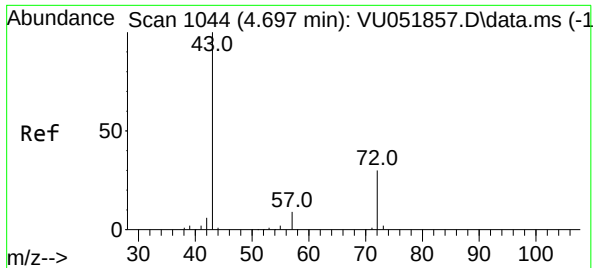
Reviewed By :John Carlone 11/16/2022
Supervised By :Mahesh Dadoda 11/16/2022



#20
cis-1,2-Dichloroethene
Concen: 1.639 ug/L
RT: 4.665 min Scan# 1034
Delta R.T. 0.003 min
Lab File: VU051867.D
Acq: 15 Nov 2022 18:22

Tgt Ion: 96 Resp: 5696
Ion Ratio Lower Upper
96 100
61 126.7 86.0 159.8
68 0.0 0.0 0.0





#22

2-Butanone

Concen: 3.695 ug/L m

RT: 4.713 min Scan# 1155

Delta R.T. 0.016 min

Lab File: VU051867.D

Acq: 15 Nov 2022 18:22

Instrument :

MSVOA_U

ClientSampleId :

MDL02

Tgt Ion: 43 Resp: 1155

Ion Ratio Lower Upper

43 100

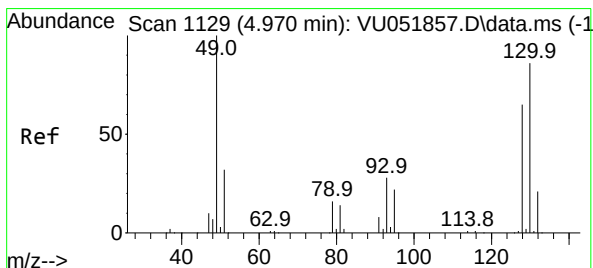
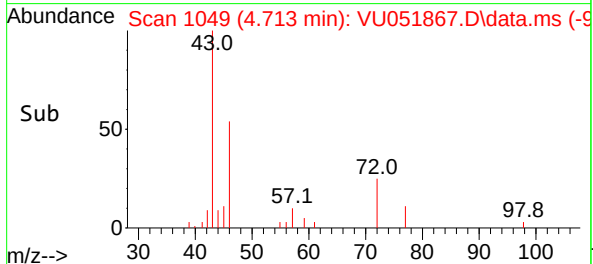
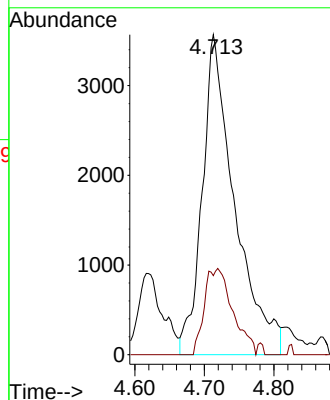
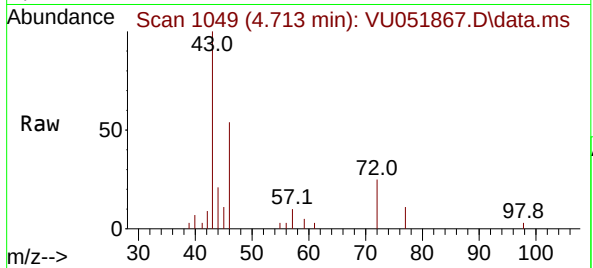
72 0.4 15.7 47.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/16/2022

Supervised By :Mahesh Dadoda 11/16/2022



#23

Bromochloromethane

Concen: 1.777 ug/L

RT: 4.977 min Scan# 1131

Delta R.T. 0.006 min

Lab File: VU051867.D

Acq: 15 Nov 2022 18:22

Tgt Ion:128 Resp: 3408

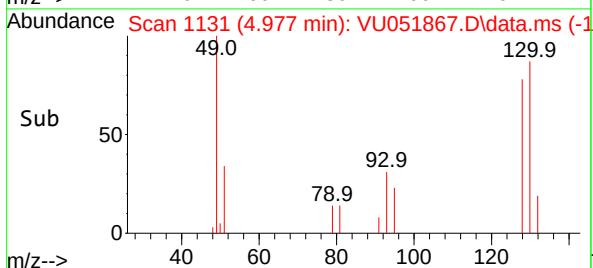
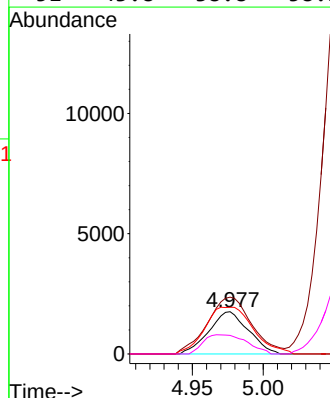
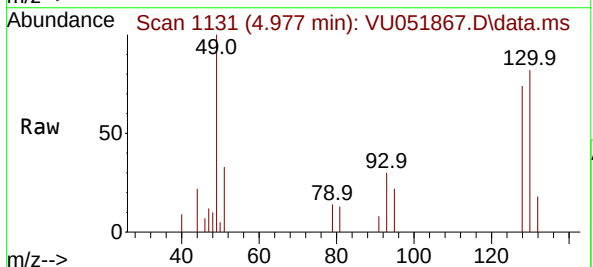
Ion Ratio Lower Upper

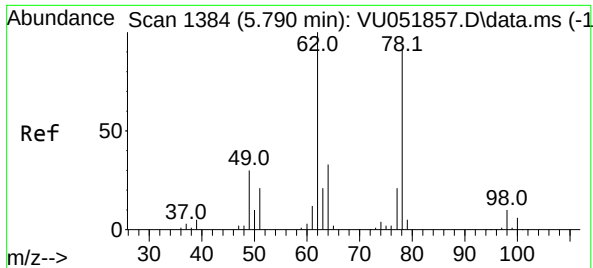
128 100

49 134.5 107.2 199.0

130 110.7 92.5 171.7

51 43.8 38.8 58.2





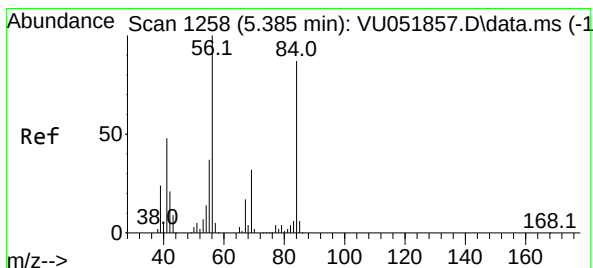
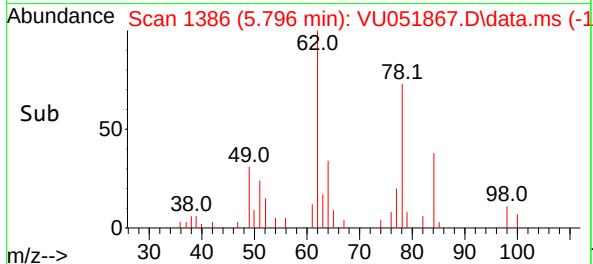
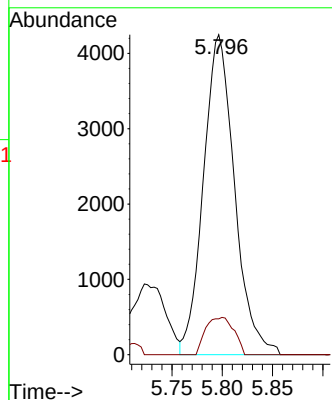
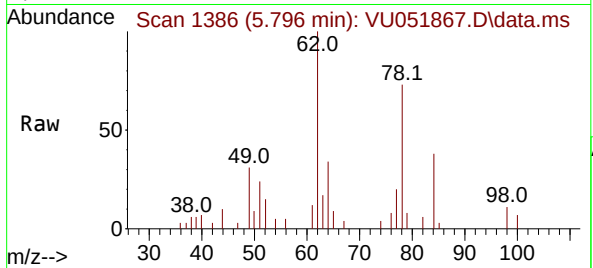
#27
1,2-Dichloroethane
Concen: 1.957 ug/L
RT: 5.796 min Scan# 11
Delta R.T. 0.006 min
Lab File: VU051867.D
Acq: 15 Nov 2022 18:22

Instrument :
MSVOA_U
ClientSampleId :
MDL02

Tgt Ion: 62 Resp: 914
Ion Ratio Lower Upper
62 100
98 11.2 8.1 12.1

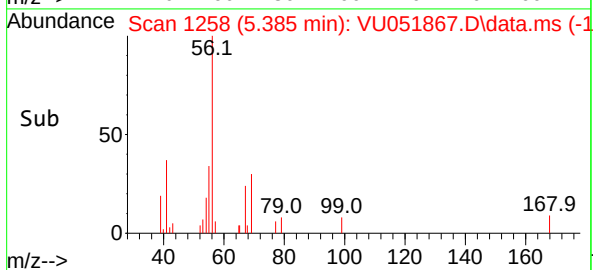
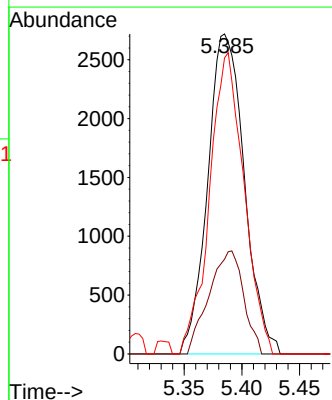
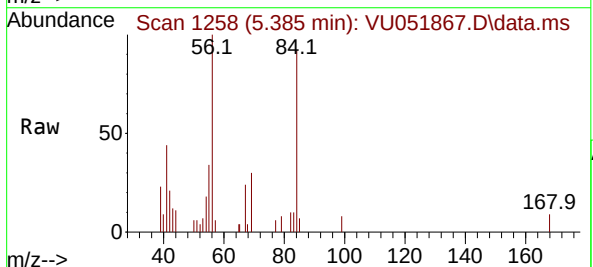
Manual Integrations
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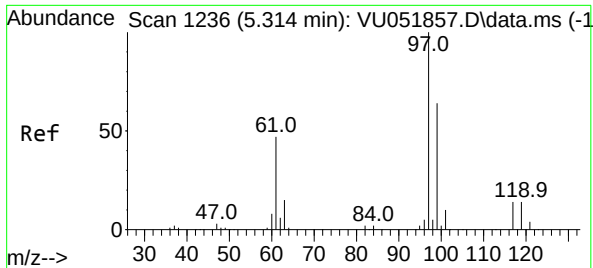
Reviewed By :John Carlone 11/16/2022
Supervised By :Mahesh Dadoda 11/16/2022



#29
Cyclohexane
Concen: 1.513 ug/L
RT: 5.385 min Scan# 1258
Delta R.T. -0.000 min
Lab File: VU051867.D
Acq: 15 Nov 2022 18:22

Tgt Ion: 56 Resp: 6016
Ion Ratio Lower Upper
56 100
69 30.3 25.4 38.2
84 88.0 71.4 107.0





#30

1,1,1-Trichloroethane

Concen: 1.681 ug/L

RT: 5.314 min Scan# 1301

Delta R.T. -0.000 min

Lab File: VU051867.D

Acq: 15 Nov 2022 18:22

Instrument :

MSVOA_U

ClientSampleId :

MDL02

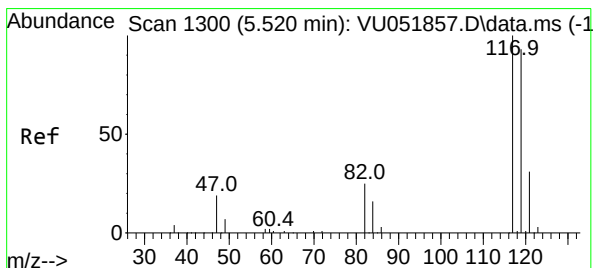
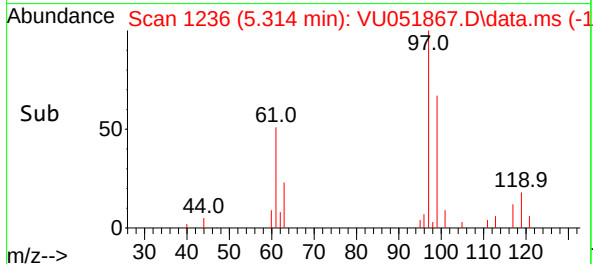
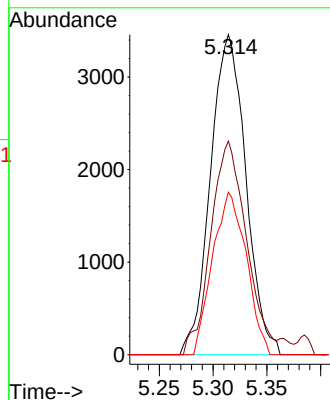
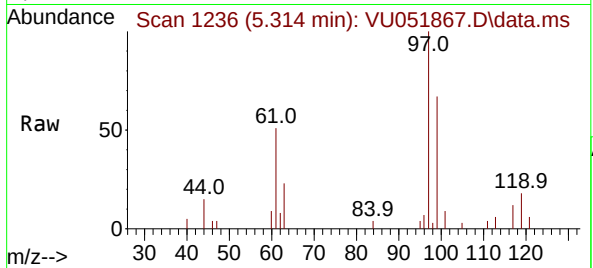
Tgt Ion: 97	Resp: 792
Ion Ratio	Lower Upper
97 100	
99 67.3	51.2 76.8
61 48.2	37.4 56.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/16/2022

Supervised By :Mahesh Dadoda 11/16/2022



#31

Carbon tetrachloride

Concen: 1.722 ug/L

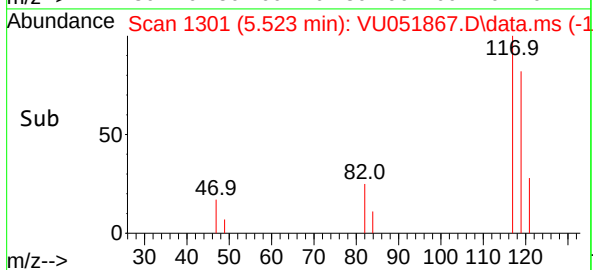
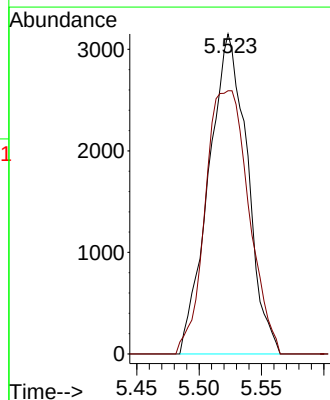
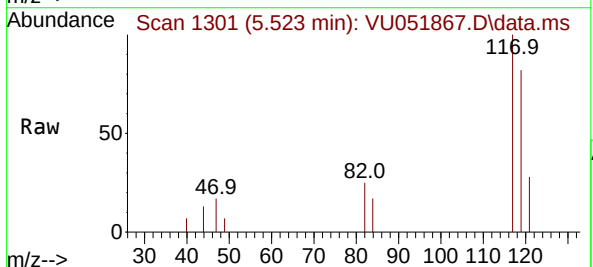
RT: 5.523 min Scan# 1301

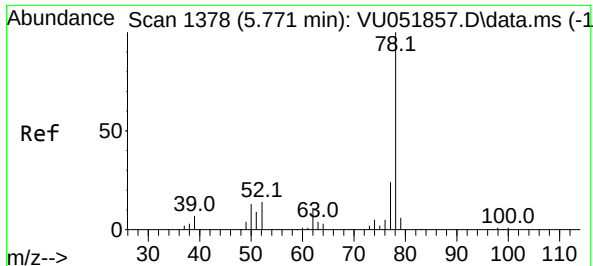
Delta R.T. 0.003 min

Lab File: VU051867.D

Acq: 15 Nov 2022 18:22

Tgt Ion: 117	Resp: 6783
Ion Ratio	Lower Upper
117 100	
119 93.0	75.6 113.4





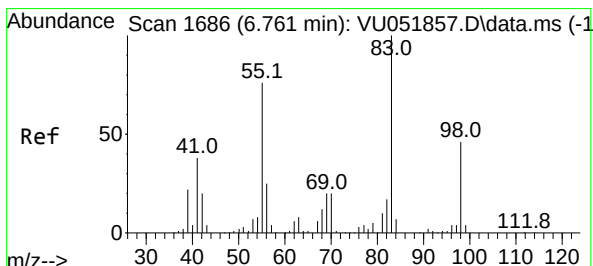
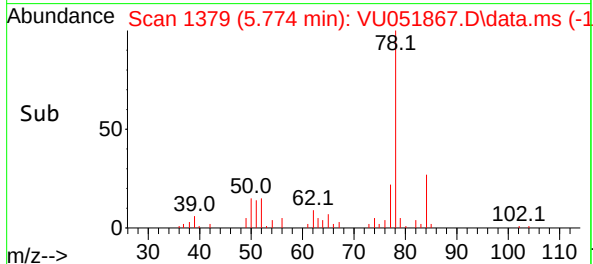
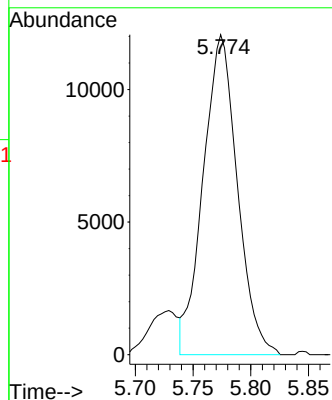
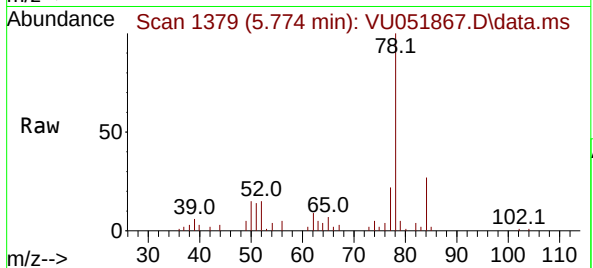
#33
Benzene
Concen: 1.853 ug/L
RT: 5.774 min Scan# 1378
Delta R.T. 0.003 min
Lab File: VU051867.D
Acq: 15 Nov 2022 18:22

Instrument :
MSVOA_U
ClientSampleId :
MDL02

Tgt Ion: 78 Resp: 2484

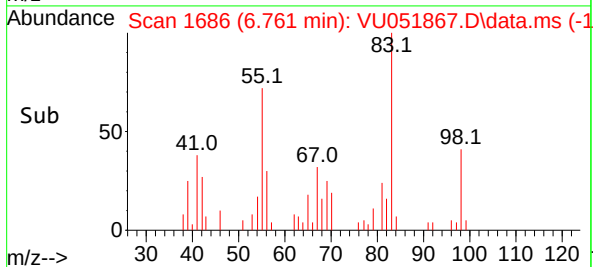
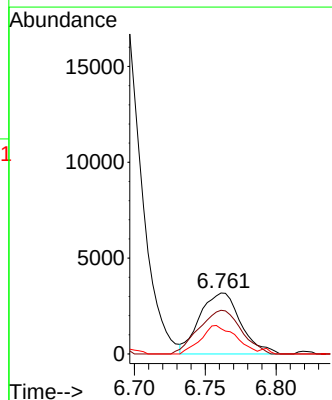
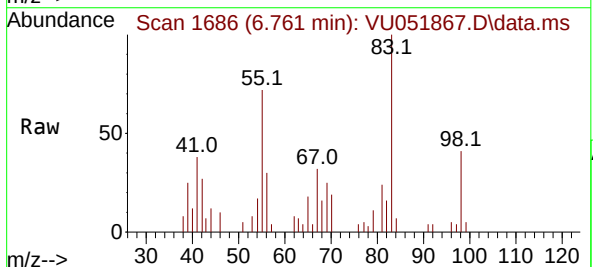
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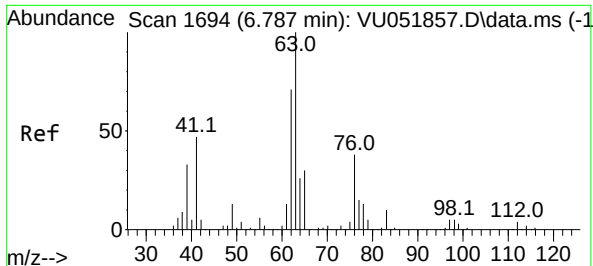
Reviewed By :John Carlone 11/16/2022
Supervised By :Mahesh Dadoda 11/16/2022



#35
Methylcyclohexane
Concen: 1.484 ug/L
RT: 6.761 min Scan# 1686
Delta R.T. -0.000 min
Lab File: VU051867.D
Acq: 15 Nov 2022 18:22

Tgt Ion: 83 Resp: 6390
Ion Ratio Lower Upper
83 100
55 73.9 60.0 90.0
98 40.2 35.8 53.8





#37

1,2-Dichloropropane

Concen: 1.856 ug/L

RT: 6.790 min Scan# 1694

Delta R.T. 0.003 min

Lab File: VU051867.D

Acq: 15 Nov 2022 18:22

Instrument :

MSVOA_U

ClientSampleId :

MDL02

Tgt Ion: 63 Resp: 7044

Ion Ratio Lower Upper

63 100

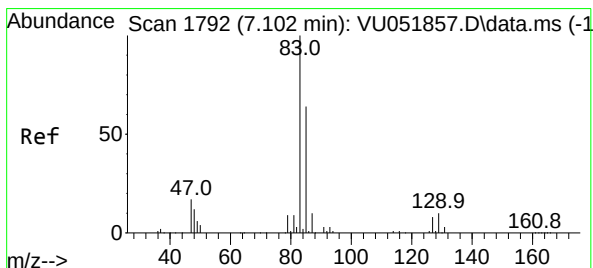
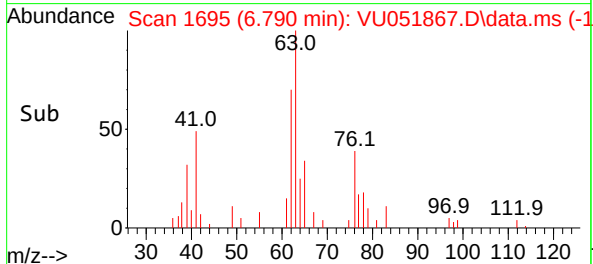
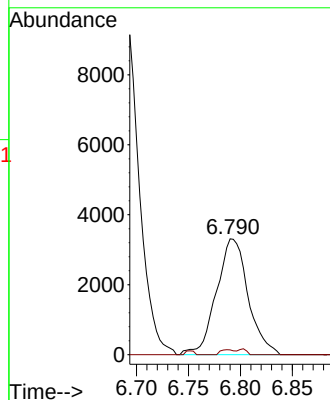
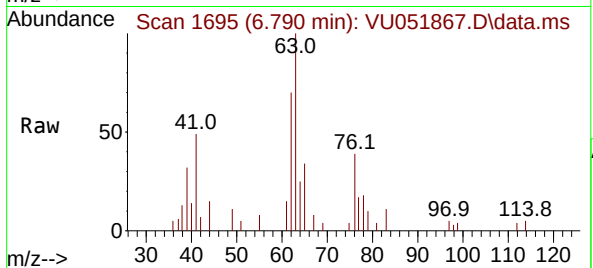
112 2.0 3.0 4.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/16/2022

Supervised By :Mahesh Dadoda 11/16/2022



#38

Bromodichloromethane

Concen: 1.756 ug/L

RT: 7.105 min Scan# 1793

Delta R.T. 0.003 min

Lab File: VU051867.D

Acq: 15 Nov 2022 18:22

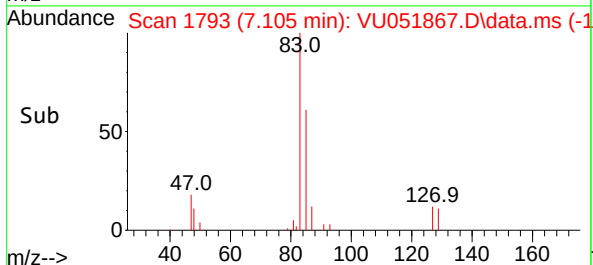
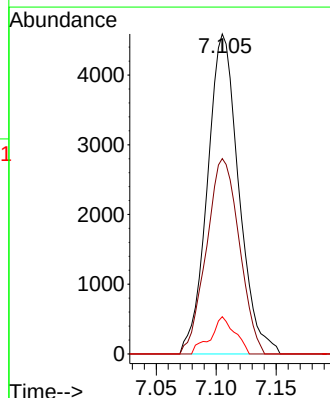
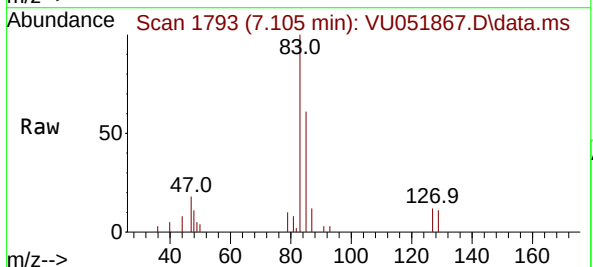
Tgt Ion: 83 Resp: 8342

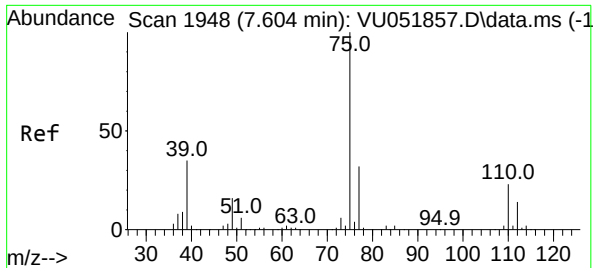
Ion Ratio Lower Upper

83 100

85 61.1 44.6 82.8

127 11.7 6.5 9.7#





#39

cis-1,3-Dichloropropene

Concen: 1.599 ug/L

RT: 7.607 min Scan# 1948

Delta R.T. 0.003 min

Lab File: VU051867.D

Acq: 15 Nov 2022 18:22

Instrument :

MSVOA_U

ClientSampleId :

MDL02

Tgt Ion: 75 Resp: 794

Ion Ratio Lower Upper

75 100

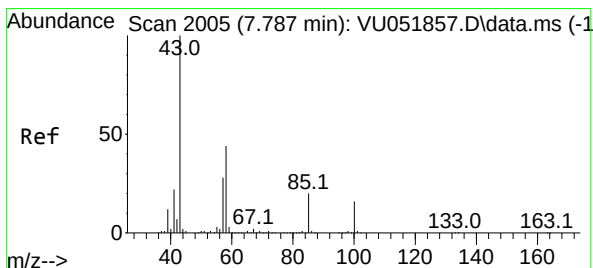
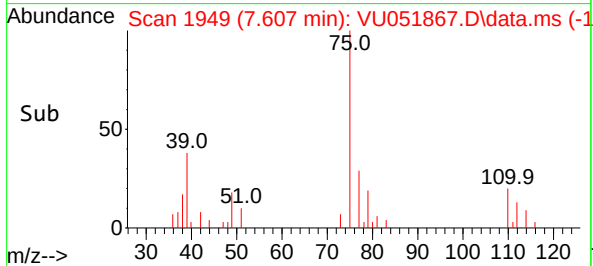
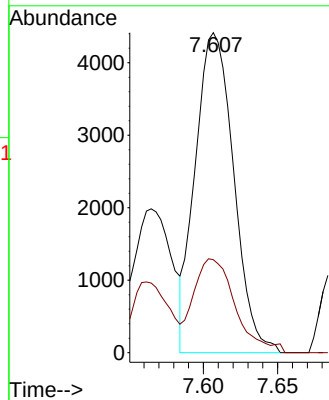
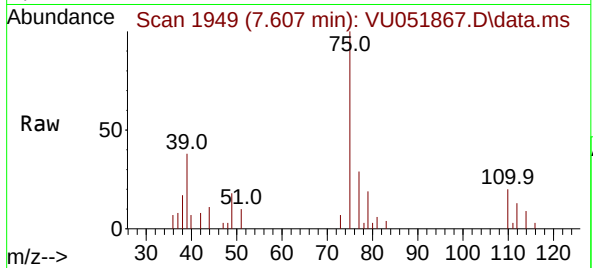
77 29.0 22.5 41.7

Manual Integrations

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Reviewed By :John Carlone 11/16/2022

Supervised By :Mahesh Dadoda 11/16/2022



#40

4-Methyl-2-pentanone

Concen: 3.233 ug/L

RT: 7.790 min Scan# 2006

Delta R.T. 0.003 min

Lab File: VU051867.D

Acq: 15 Nov 2022 18:22

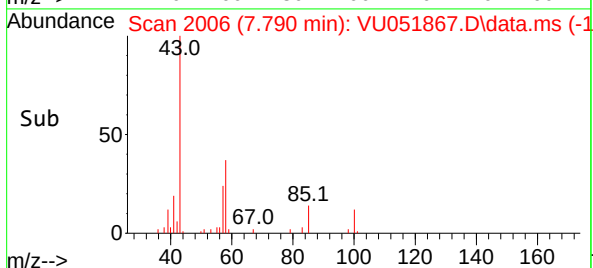
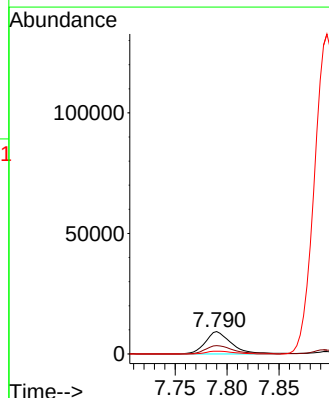
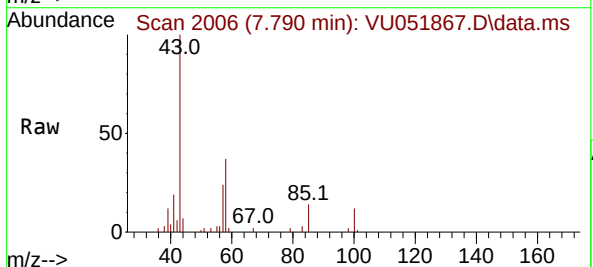
Tgt Ion: 43 Resp: 16160

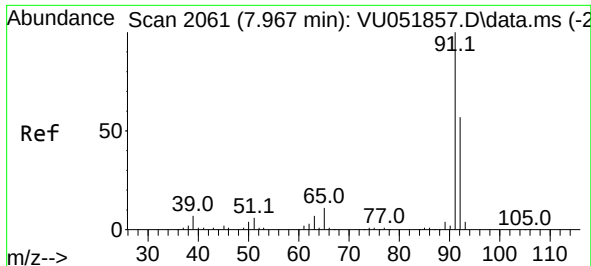
Ion Ratio Lower Upper

43 100

58 40.3 35.4 53.2

100 12.9 13.4 20.0#





#42

Toluene

Concen: 1.783 ug/L

RT: 7.970 min Scan# 2061

Delta R.T. 0.003 min

Lab File: VU051867.D

Acq: 15 Nov 2022 18:22

Instrument :

MSVOA_U

ClientSampleId :

MDL02

Tgt Ion: 91 Resp: 2458

Ion Ratio Lower Upper

91 100

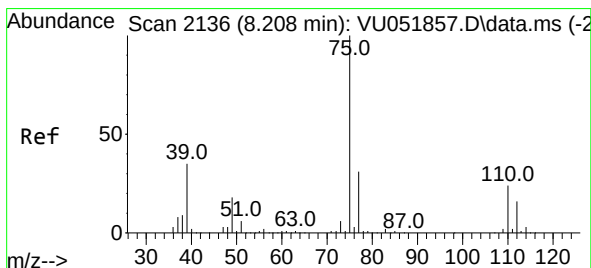
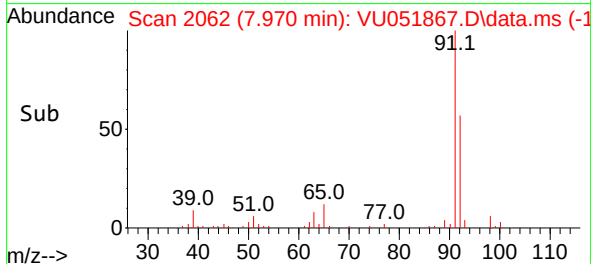
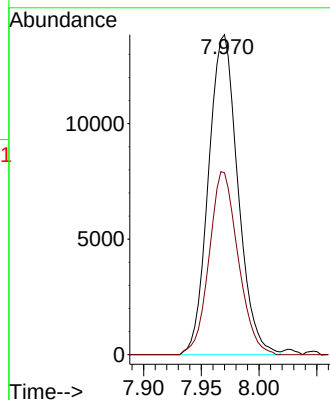
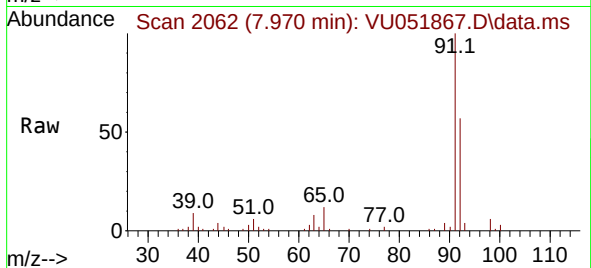
92 56.9 39.5 73.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/16/2022

Supervised By :Mahesh Dadoda 11/16/2022



#44

trans-1,3-Dichloropropene

Concen: 1.703 ug/L m

RT: 8.211 min Scan# 2137

Delta R.T. 0.003 min

Lab File: VU051867.D

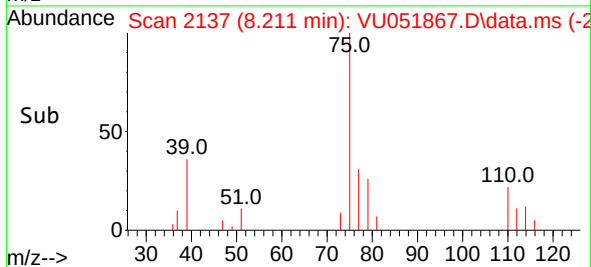
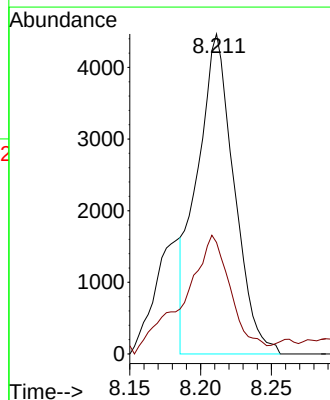
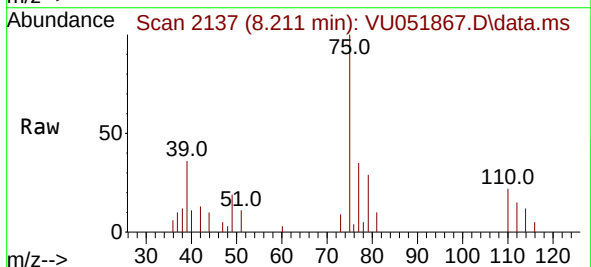
Acq: 15 Nov 2022 18:22

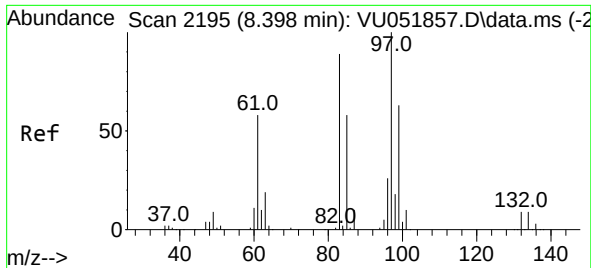
Tgt Ion: 75 Resp: 8103

Ion Ratio Lower Upper

75 100

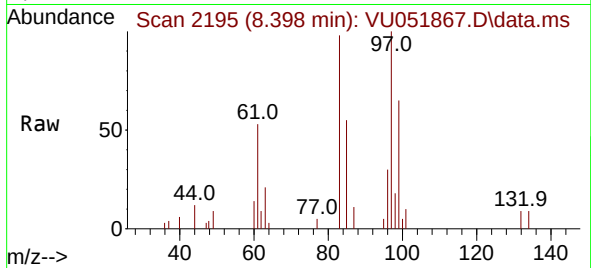
77 34.8 21.8 40.6





#45
1,1,2-Trichloroethane
Concen: 1.739 ug/L
RT: 8.398 min Scan# 2195
Delta R.T. -0.000 min
Lab File: VU051867.D
Acq: 15 Nov 2022 18:22

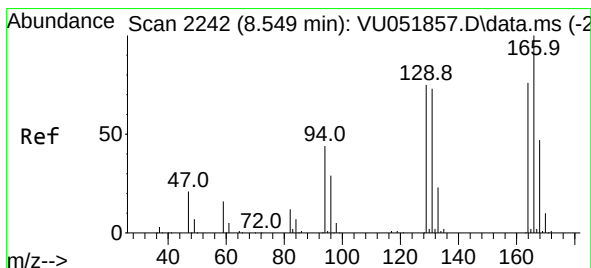
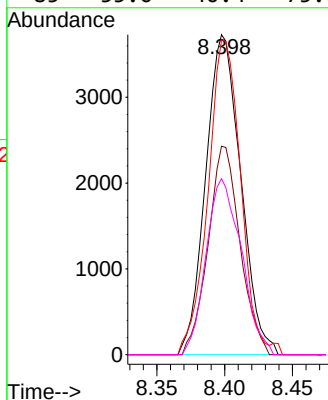
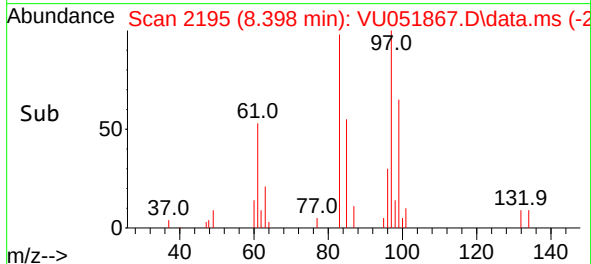
Instrument :
MSVOA_U
ClientSampleId :
MDL02



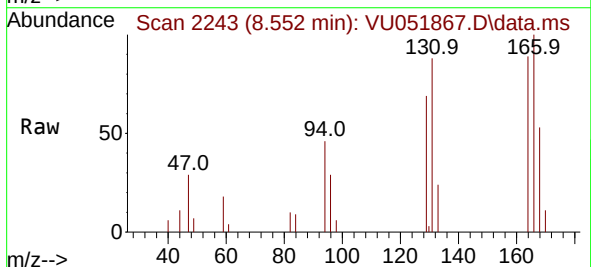
Tgt Ion:	97	Resp:	670
Ion Ratio	100	Lower	Upper
97	100		
99	65.1	44.3	82.3
83	98.4	62.3	115.7
85	55.0	40.4	75.0

Manual Integrations
APPROVED

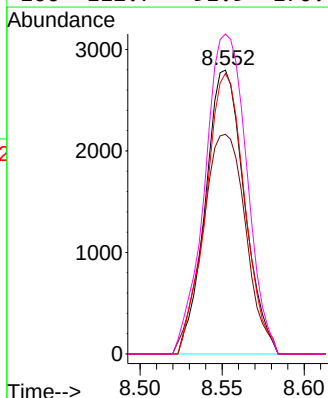
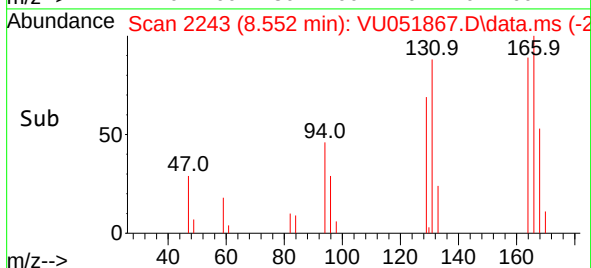
Reviewed By :John Carlone 11/16/2022
Supervised By :Mahesh Dadoda 11/16/2022

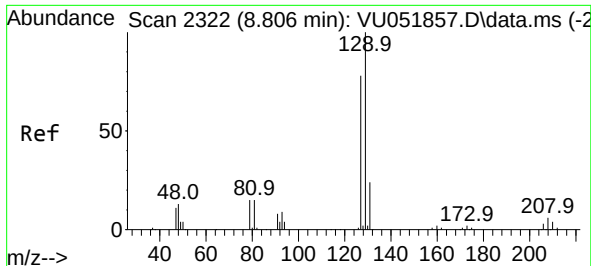


#46
Tetrachloroethene
Concen: 1.813 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. 0.003 min
Lab File: VU051867.D
Acq: 15 Nov 2022 18:22



Tgt Ion:	164	Resp:	4599
Ion Ratio	100	Lower	Upper
164	100		
129	77.4	68.5	127.1
131	98.8	66.6	123.8
166	112.7	91.9	170.7





#49

Dibromochloromethane

Concen: 1.624 ug/L

RT: 8.806 min Scan# 2322

Delta R.T. -0.000 min

Lab File: VU051867.D

Acq: 15 Nov 2022 18:22

Instrument :

MSVOA_U

ClientSampleId :

MDL02

Tgt Ion:129 Resp: 6460

Ion Ratio Lower Upper

129 100

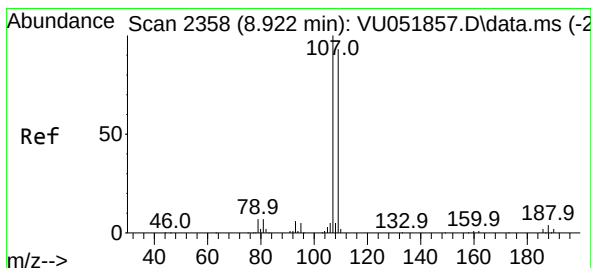
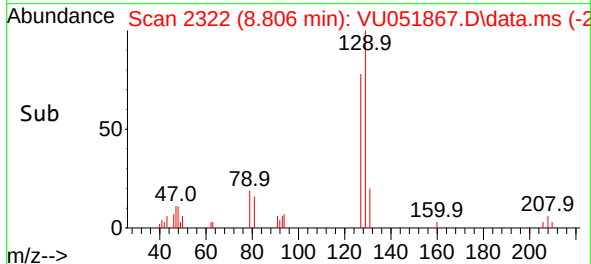
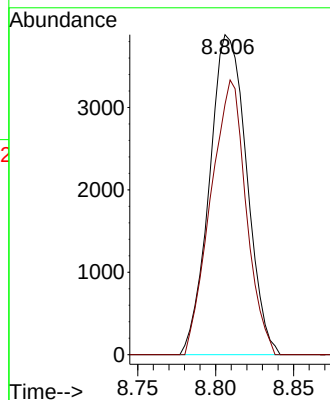
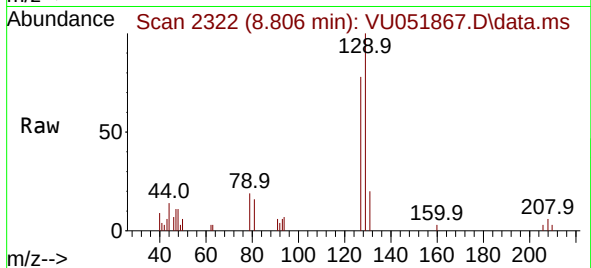
127 78.2 54.4 101.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/16/2022

Supervised By :Mahesh Dadoda 11/16/2022



#50

1,2-Dibromoethane

Concen: 1.670 ug/L

RT: 8.922 min Scan# 2358

Delta R.T. -0.000 min

Lab File: VU051867.D

Acq: 15 Nov 2022 18:22

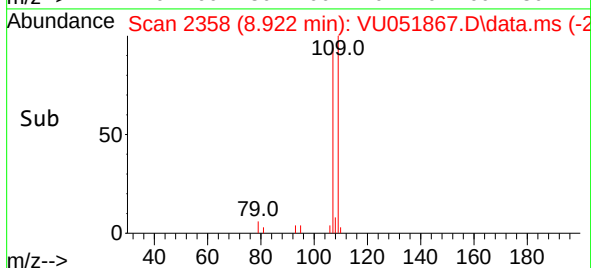
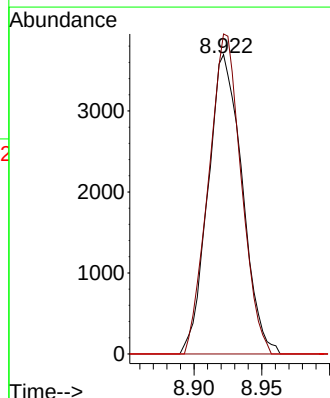
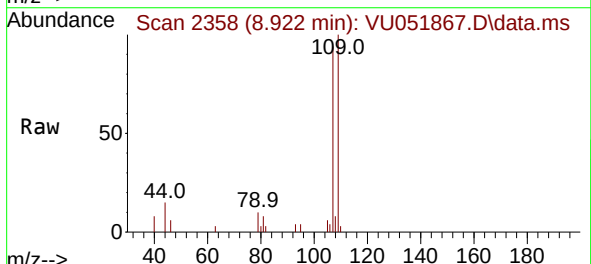
Tgt Ion:107 Resp: 6485

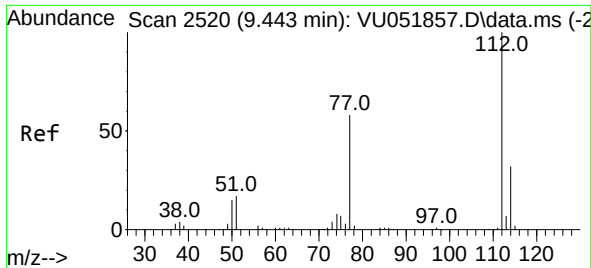
Ion Ratio Lower Upper

107 100

109 106.9 65.0 120.6

188 0.0 2.9 4.3#





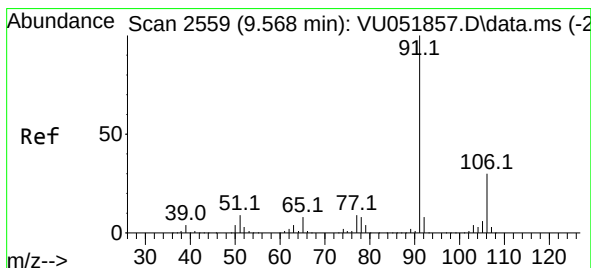
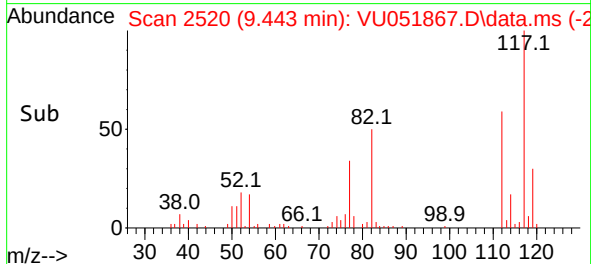
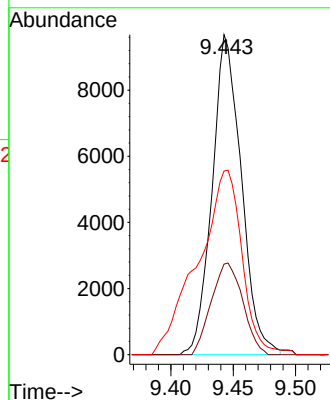
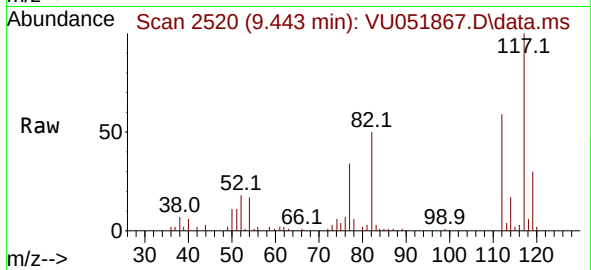
#51
Chlorobenzene
Concen: 1.672 ug/L
RT: 9.443 min Scan# 2520
Delta R.T. -0.000 min
Lab File: VU051867.D
Acq: 15 Nov 2022 18:22

Instrument :
MSVOA_U
ClientSampleId :
MDL02

Tgt Ion:112 Resp: 1575
Ion Ratio Lower Upper
112 100
114 28.3 22.2 41.2
77 57.4 46.7 70.1

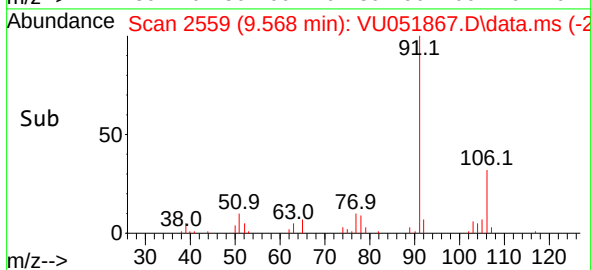
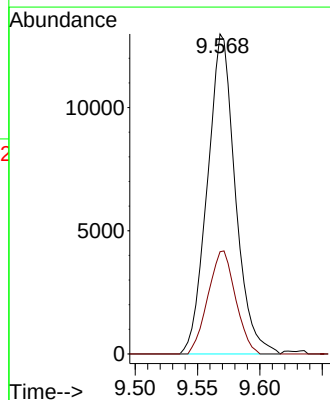
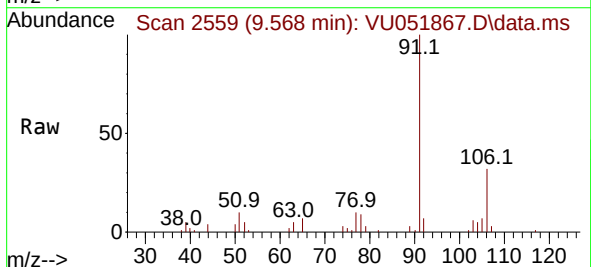
Manual Integrations
APPROVED

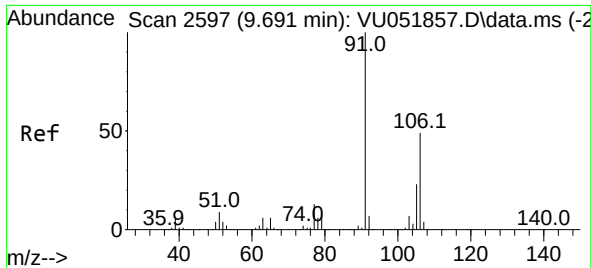
Reviewed By :John Carlone 11/16/2022
Supervised By :Mahesh Dadoda 11/16/2022



#52
Ethylbenzene
Concen: 1.433 ug/L
RT: 9.568 min Scan# 2559
Delta R.T. -0.000 min
Lab File: VU051867.D
Acq: 15 Nov 2022 18:22

Tgt Ion: 91 Resp: 20226
Ion Ratio Lower Upper
91 100
106 31.9 21.3 39.6





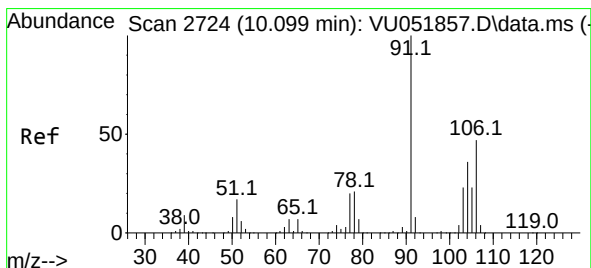
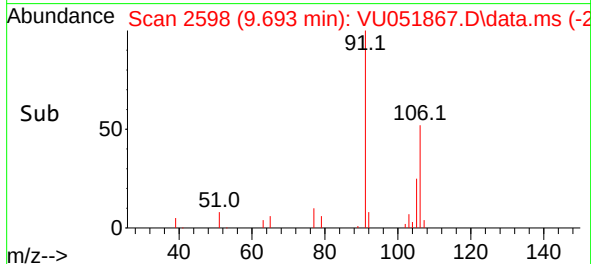
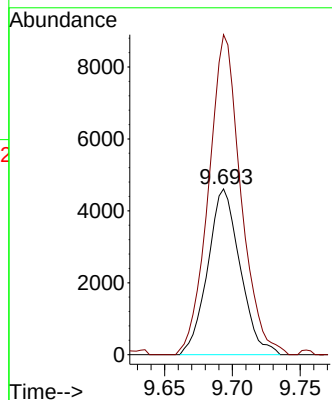
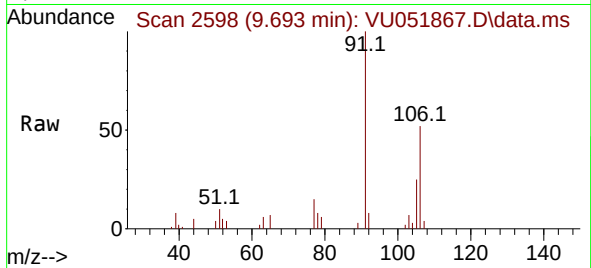
#53
m,p-Xylene
Concen: 1.402 ug/L
RT: 9.693 min Scan# 2597
Delta R.T. 0.003 min
Lab File: VU051867.D
Acq: 15 Nov 2022 18:22

Instrument :
MSVOA_U
ClientSampleId :
MDL02

Tgt Ion:106 Resp: 7659
Ion Ratio Lower Upper
106 100
91 193.0 141.7 263.3

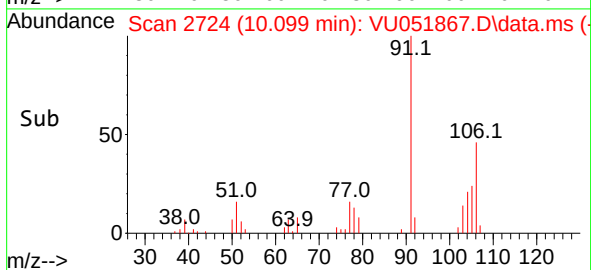
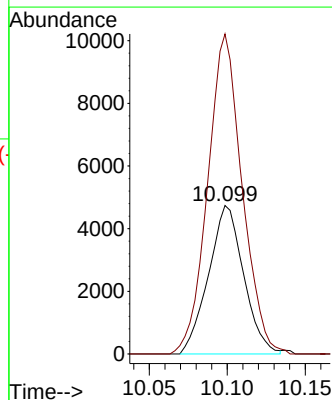
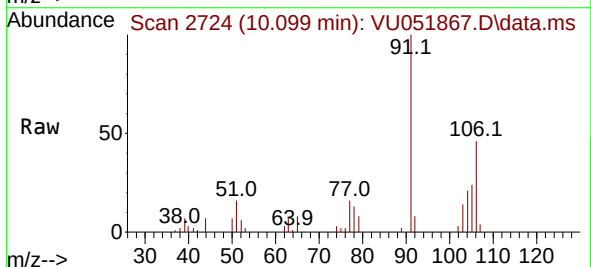
Manual Integrations
APPROVED

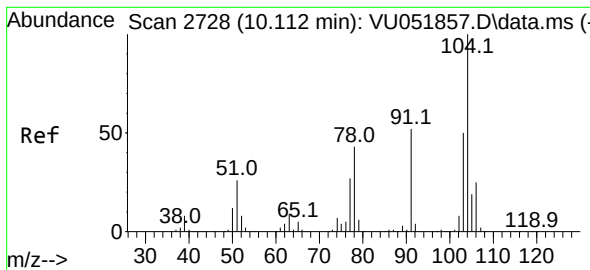
Reviewed By :John Carlone 11/16/2022
Supervised By :Mahesh Dadoda 11/16/2022



#54
o-Xylene
Concen: 1.335 ug/L
RT: 10.099 min Scan# 2724
Delta R.T. -0.000 min
Lab File: VU051867.D
Acq: 15 Nov 2022 18:22

Tgt Ion:106 Resp: 7422
Ion Ratio Lower Upper
106 100
91 215.5 149.7 278.1





#55

Styrene

Concen: 1.095 ug/L

RT: 10.115 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU051867.D

Acq: 15 Nov 2022 18:22

Instrument :

MSVOA_U

ClientSampleId :

MDL02

Tgt Ion:104 Resp: 1050

Ion Ratio Lower Upper

104 100

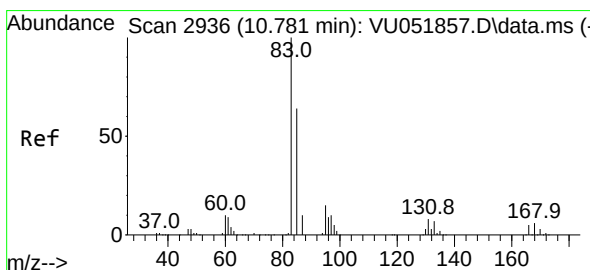
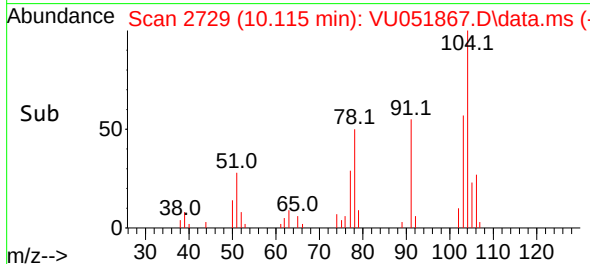
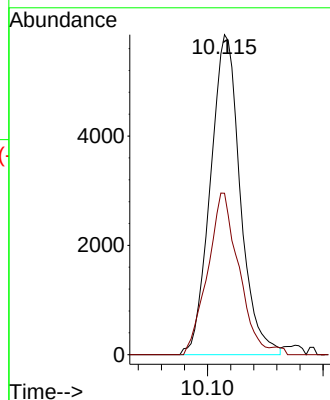
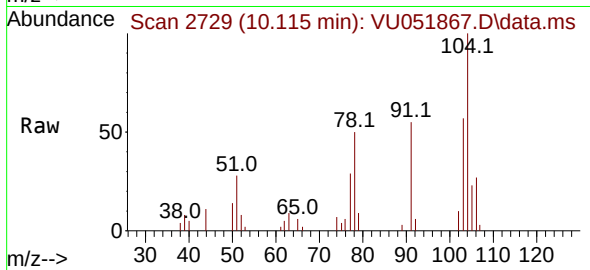
78 50.5 30.3 56.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/16/2022

Supervised By :Mahesh Dadoda 11/16/2022



#57

1,1,2,2-Tetrachloroethane

Concen: 1.757 ug/L

RT: 10.777 min Scan# 2935

Delta R.T. -0.004 min

Lab File: VU051867.D

Acq: 15 Nov 2022 18:22

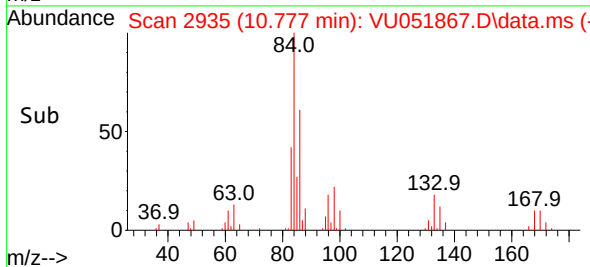
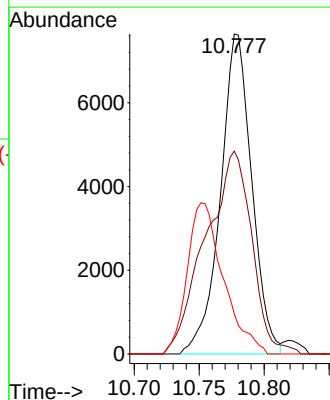
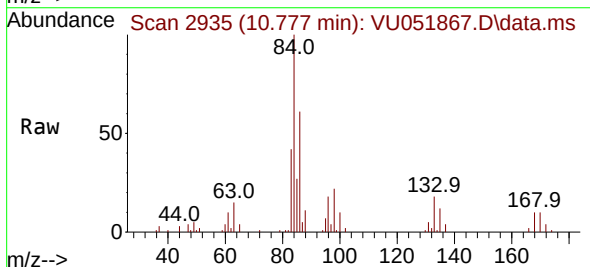
Tgt Ion: 83 Resp: 12805

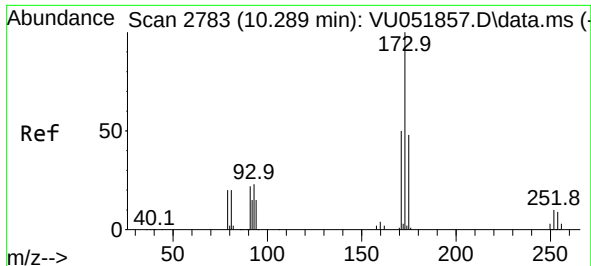
Ion Ratio Lower Upper

83 100

85 63.4 44.9 83.3

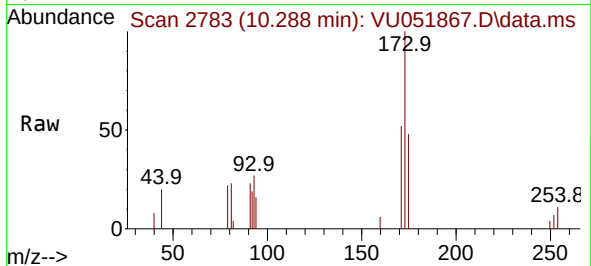
131 12.6 6.8 10.2#





#59
Bromoform
Concen: 2.048 ug/L
RT: 10.288 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU051867.D
Acq: 15 Nov 2022 18:22

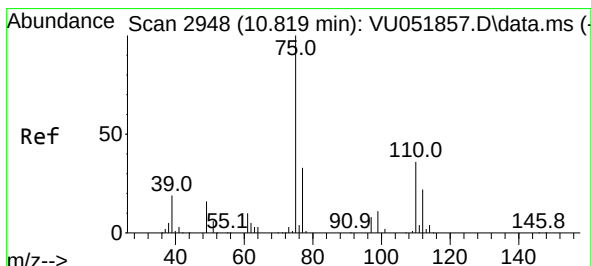
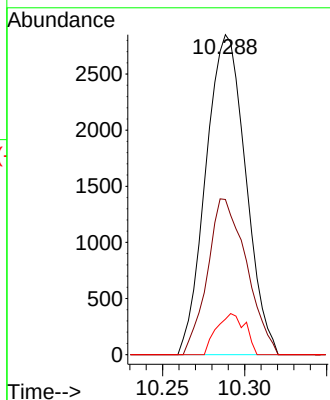
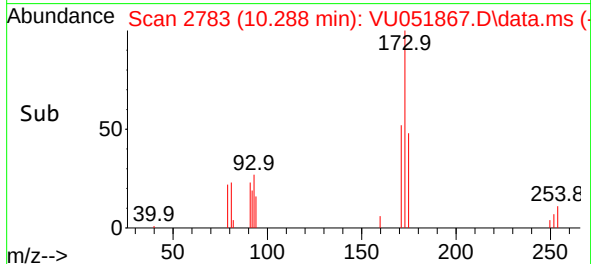
Instrument :
MSVOA_U
ClientSampleId :
MDL02



Tgt Ion:173 Resp: 480
Ion Ratio Lower Upper
173 100
175 47.7 38.9 58.3
254 9.2 7.4 11.2

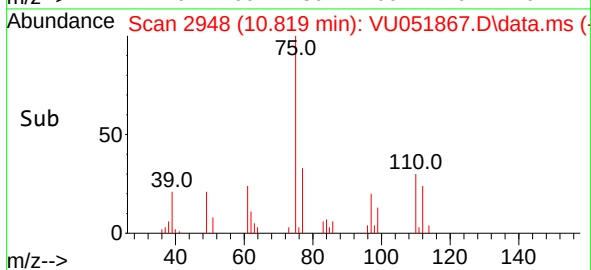
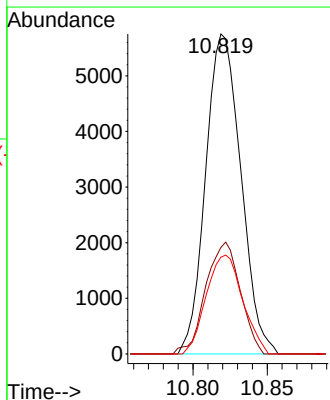
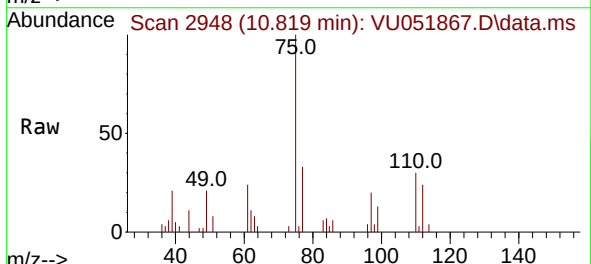
Manual Integrations
APPROVED

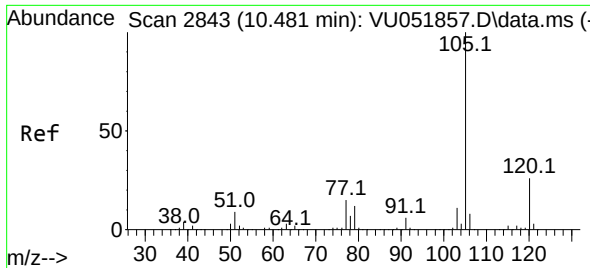
Reviewed By :John Carlone 11/16/2022
Supervised By :Mahesh Dadoda 11/16/2022



#60
1,2,3-Trichloropropane
Concen: 2.296 ug/L
RT: 10.819 min Scan# 2948
Delta R.T. -0.000 min
Lab File: VU051867.D
Acq: 15 Nov 2022 18:22

Tgt Ion: 75 Resp: 9500
Ion Ratio Lower Upper
75 100
77 34.2 26.2 39.4
110 31.8 29.0 43.4





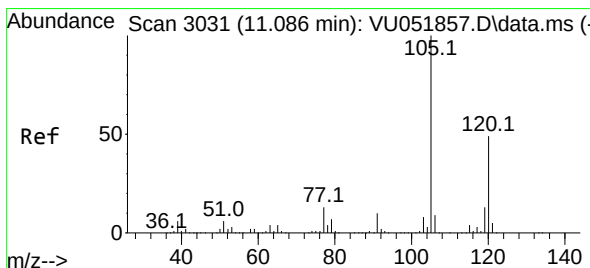
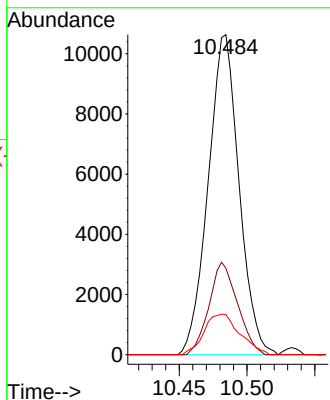
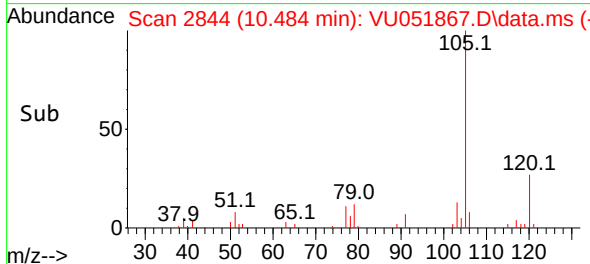
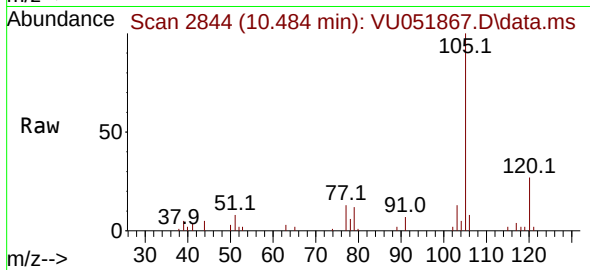
#61
Isopropylbenzene
Concen: 1.663 ug/L
RT: 10.484 min Scan# 2843
Delta R.T. 0.003 min
Lab File: VU051867.D
Acq: 15 Nov 2022 18:22

Instrument :
MSVOA_U
ClientSampleId :
MDL02

Tgt Ion:105 Resp: 16810
Ion Ratio Lower Upper
105 100
120 26.7 21.1 31.7
77 14.7 12.2 18.4

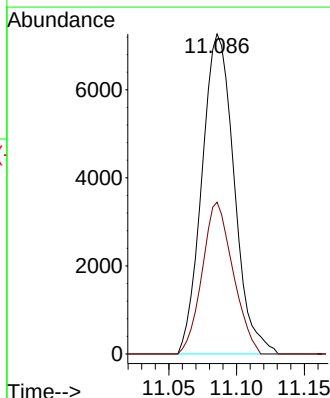
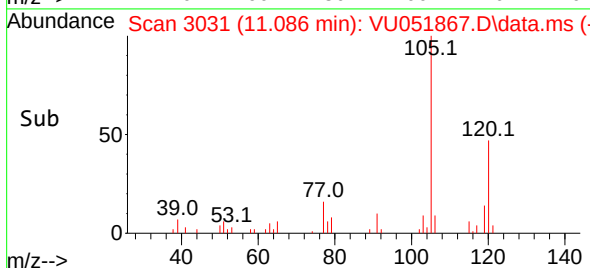
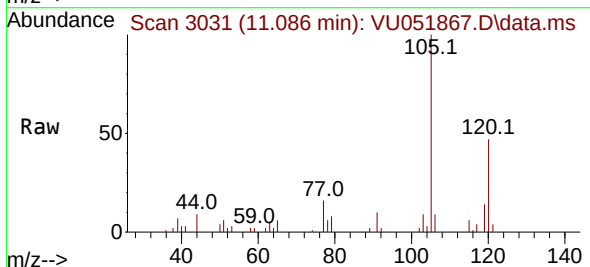
Manual Integrations
APPROVED

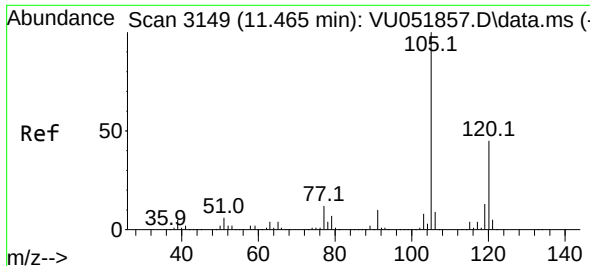
Reviewed By :John Carlone 11/16/2022
Supervised By :Mahesh Dadoda 11/16/2022



#62
1,3,5-Trimethylbenzene
Concen: 1.458 ug/L
RT: 11.086 min Scan# 3031
Delta R.T. -0.000 min
Lab File: VU051867.D
Acq: 15 Nov 2022 18:22

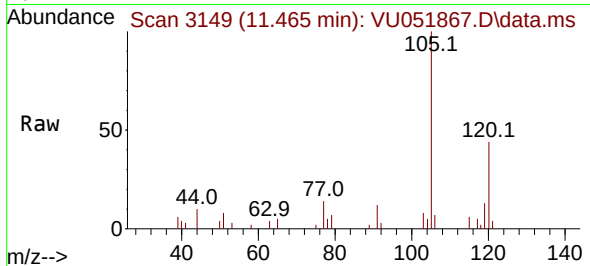
Tgt Ion:105 Resp: 12013
Ion Ratio Lower Upper
105 100
120 45.3 39.1 58.7





#63
1,2,4-Trimethylbenzene
Concen: 1.400 ug/L
RT: 11.465 min Scan# 3149
Delta R.T. -0.000 min
Lab File: VU051867.D
Acq: 15 Nov 2022 18:22

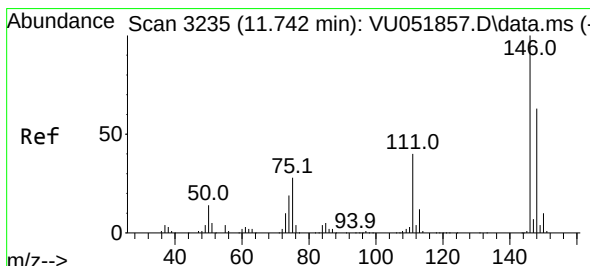
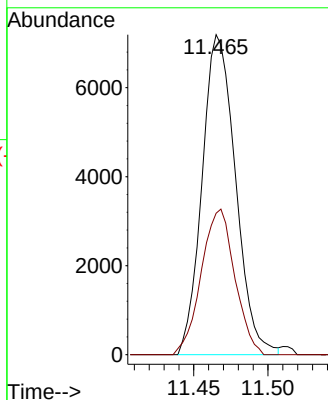
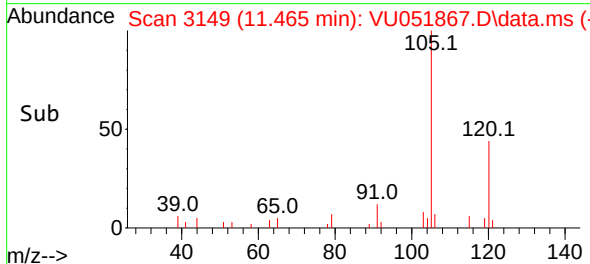
Instrument :
MSVOA_U
ClientSampleId :
MDL02



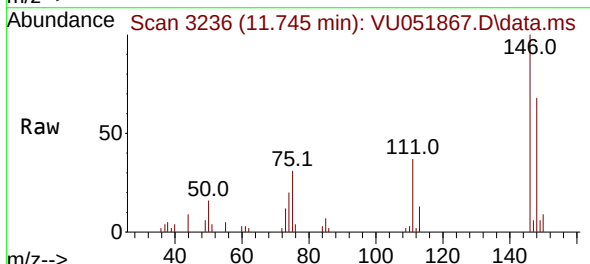
Tgt Ion:105 Resp: 11264
Ion Ratio Lower Upper
105 100
120 45.5 36.2 54.2

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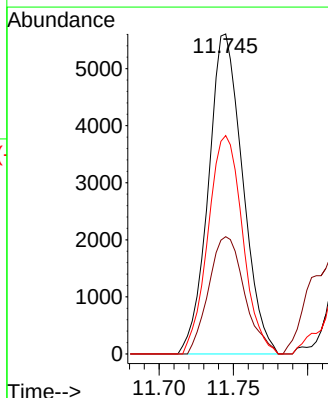
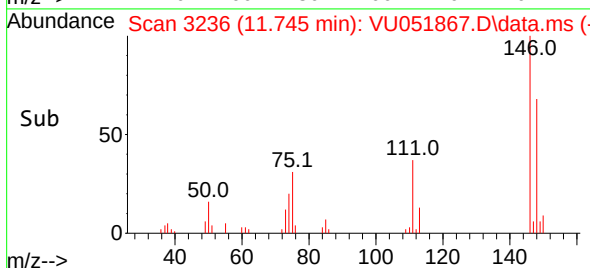
Reviewed By :John Carlone 11/16/2022
Supervised By :Mahesh Dadoda 11/16/2022

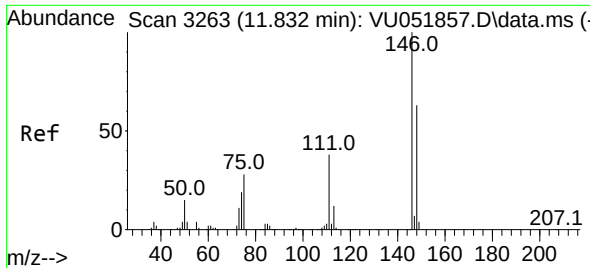


#64
1,3-Dichlorobenzene
Concen: 1.757 ug/L
RT: 11.745 min Scan# 3236
Delta R.T. 0.003 min
Lab File: VU051867.D
Acq: 15 Nov 2022 18:22



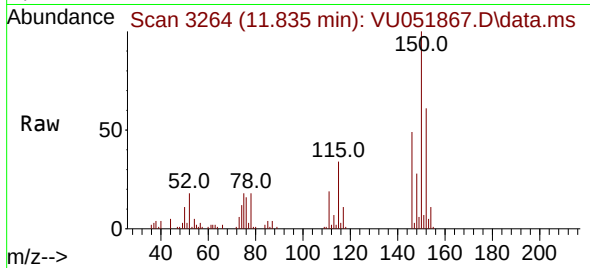
Tgt Ion:146 Resp: 9002
Ion Ratio Lower Upper
146 100
111 36.6 28.1 52.1
148 68.3 44.4 82.4





#65
1,4-Dichlorobenzene
Concen: 1.959 ug/L
RT: 11.835 min Scan# 3263
Delta R.T. 0.003 min
Lab File: VU051867.D
Acq: 15 Nov 2022 18:22

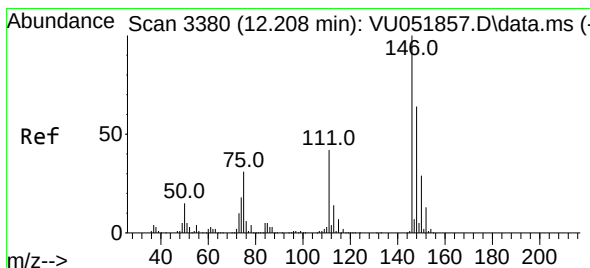
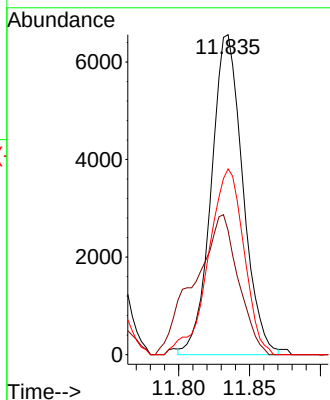
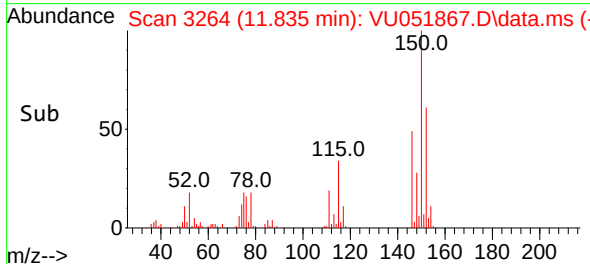
Instrument :
MSVOA_U
ClientSampleId :
MDL02



Tgt Ion:146 Resp: 1016
Ion Ratio Lower Upper
146 100
111 38.7 26.7 49.5
148 58.0 44.4 82.4

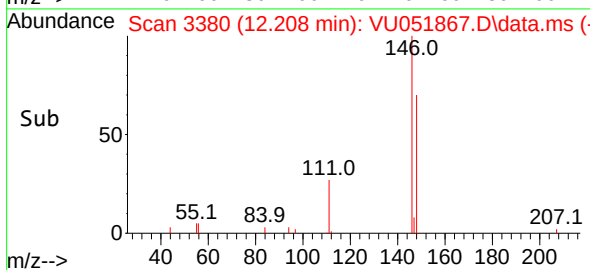
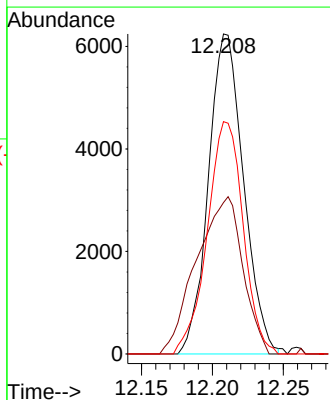
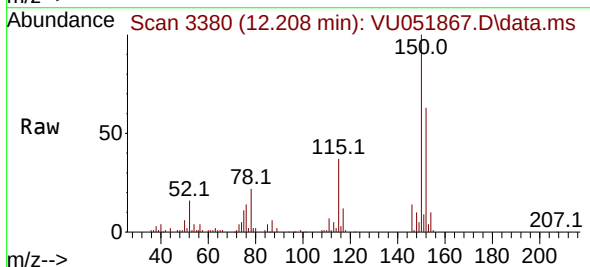
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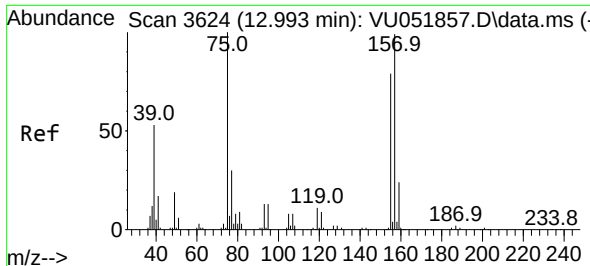
Reviewed By :John Carlone 11/16/2022
Supervised By :Mahesh Dadoda 11/16/2022



#67
1,2-Dichlorobenzene
Concen: 1.976 ug/L
RT: 12.208 min Scan# 3380
Delta R.T. -0.000 min
Lab File: VU051867.D
Acq: 15 Nov 2022 18:22

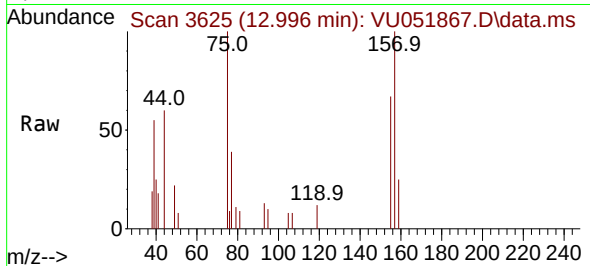
Tgt Ion:146 Resp: 10766
Ion Ratio Lower Upper
146 100
111 47.3 33.6 50.4
148 72.6 50.9 76.3





#68
1,2-Dibromo-3-chloropropane
Concen: 2.000 ug/L
RT: 12.996 min Scan# 3625
Delta R.T. 0.003 min
Lab File: VU051867.D
Acq: 15 Nov 2022 18:22

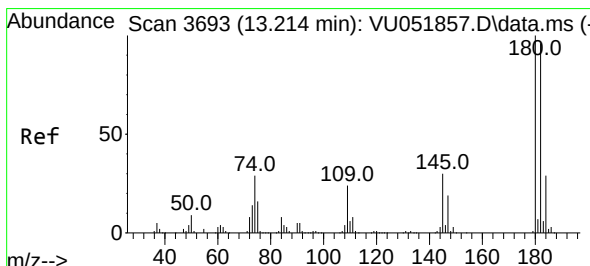
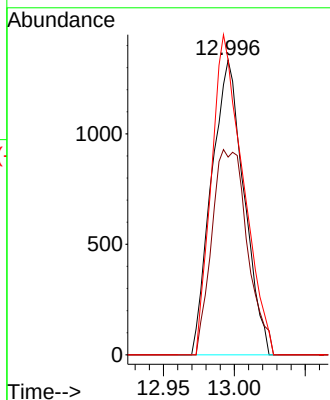
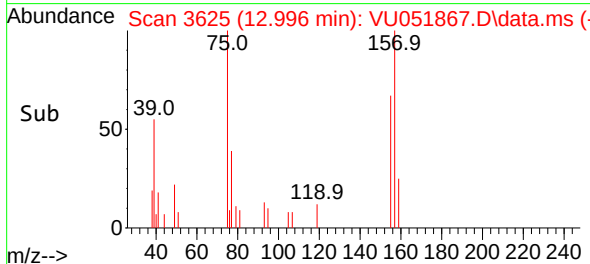
Instrument :
MSVOA_U
ClientSampleId :
MDL02



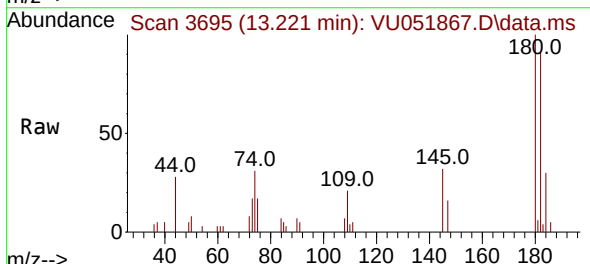
Tgt Ion: 75 Resp: 2119
Ion Ratio Lower Upper
75 100
155 67.1 63.0 94.6
157 100.0 79.4 119.0

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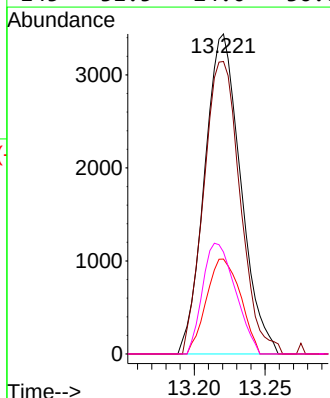
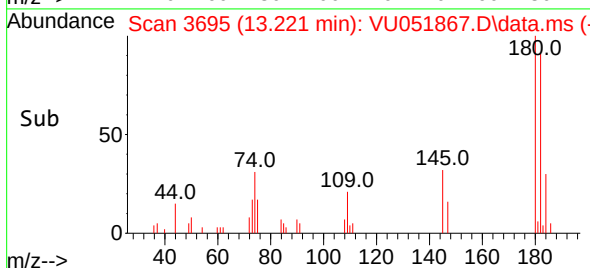
Reviewed By :John Carlone 11/16/2022
Supervised By :Mahesh Dadoda 11/16/2022

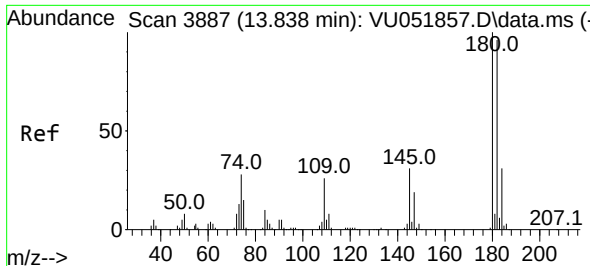


#69
1,3,5-Trichlorobenzene
Concen: 1.794 ug/L
RT: 13.221 min Scan# 3695
Delta R.T. 0.006 min
Lab File: VU051867.D
Acq: 15 Nov 2022 18:22



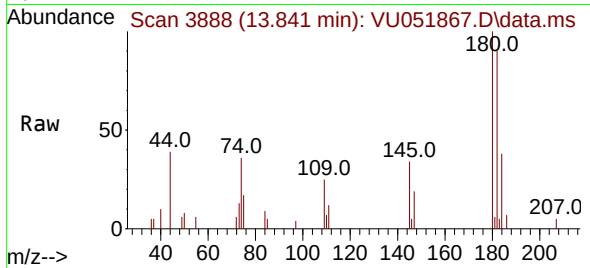
Tgt Ion:180 Resp: 6097
Ion Ratio Lower Upper
180 100
182 92.0 77.0 115.4
184 27.9 23.8 35.8
145 31.5 24.0 36.0





#70
1,2,4-trichlorobenzene
Concen: 1.819 ug/L
RT: 13.841 min Scan# 3888
Delta R.T. 0.003 min
Lab File: VU051867.D
Acq: 15 Nov 2022 18:22

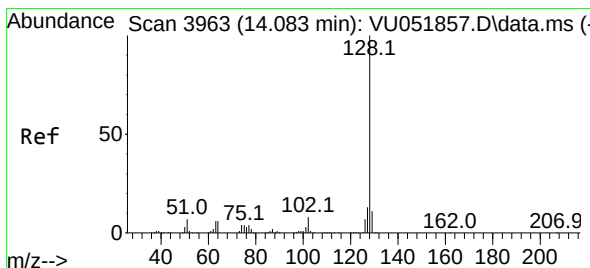
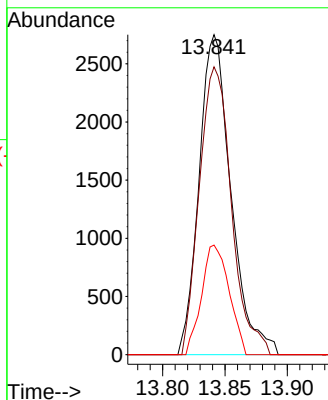
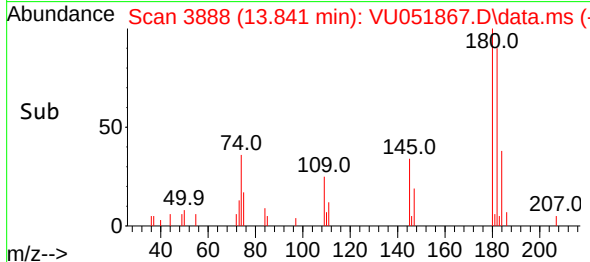
Instrument :
MSVOA_U
ClientSampleId :
MDL02



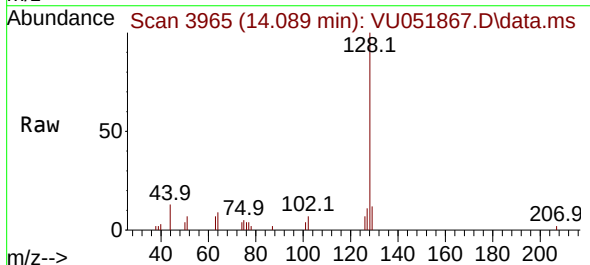
Tgt Ion:180 Resp: 490
Ion Ratio Lower Upper
180 100
182 90.4 76.4 114.6
145 29.5 24.2 36.2

Manual Integrations
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Reviewed By :John Carlone 11/16/2022
Supervised By :Mahesh Dadoda 11/16/2022



#71
Naphthalene
Concen: 1.529 ug/L
RT: 14.089 min Scan# 3965
Delta R.T. 0.006 min
Lab File: VU051867.D
Acq: 15 Nov 2022 18:22



Tgt Ion:128 Resp: 13552
Ion Ratio Lower Upper
128 100
127 12.6 10.4 15.6
129 10.3 8.5 12.7

