

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081723\
 Data File : VN078923.D
 Acq On : 17 Aug 2023 13:51
 Operator : JC\MD
 Sample : VSTDICC005
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

Reviewed By : John Carlone 08/18/2023
 Supervised By : Semsettin Yesilyurt 08/18/2023

Quant Time: Aug 18 05:06:10 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N081723W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Aug 18 05:01:29 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.824	128	44470	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	247604	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.870	117	211743	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.582	65	109928	30.512	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 101.700%			
60) 4-Bromofluorobenzene	12.853	95	87401	28.297	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 94.333%			
63) Toluene-d8	10.571	98	303283	30.671	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 102.233%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	15064	5.368	ug/l	91
3) Chloromethane	2.365	50	18784	5.585	ug/l	95
4) Vinyl Chloride	2.512	62	17853	5.364	ug/l	96
5) Bromomethane	2.942	94	12458	6.064	ug/l	100
6) Chloroethane	3.118	64	12176	5.629	ug/l	92
7) Trichlorofluoromethane	3.495	101	23965	5.346	ug/l	94
8) Diethyl Ether	3.959	74	8519	5.052	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.365	101	12558m	5.369	ug/l	
10) 1,1-Dichloroethene	4.342	96	11989	5.054	ug/l #	96
11) Methyl Iodide	4.589	142	14156	4.980	ug/l	90
12) Methyl Acetate	5.036	43	28503	5.162	ug/l	99
13) Acrolein	4.183	56	12216m	31.744	ug/l	
14) Acrylonitrile	5.736	53	35438	24.417	ug/l	91
15) Acetone	4.447	58	10105m	22.671	ug/l	
16) Carbon Disulfide	4.706	76	37101	5.482	ug/l	95
17) Allyl chloride	5.024	41	23895m	5.647	ug/l	
18) Methylene Chloride	5.271	84	15275m	5.424	ug/l	
19) trans-1,2-Dichloroethene	5.794	96	14000	5.281	ug/l	81
20) Diisopropyl ether	6.677	45	45184	4.811	ug/l #	83
21) 1,1-Dichloroethane	6.577	63	27313	5.241	ug/l	92
22) cis-1,2-Dichloroethene	7.494	96	15067	4.966	ug/l	99
23) tert-Butyl Alcohol	5.524	59	14145m	26.128	ug/l	
24) Methyl tert-Butyl Ether	5.800	73	40977	4.898	ug/l #	74
25) Chloroform	7.971	83	27482	5.235	ug/l	88
26) Cyclohexane	8.259	56	19654	5.156	ug/l #	95
29) 1,1-Dichloropropene	8.377	75	18334	4.868	ug/l	96
30) 2-Butanone	7.494	43	54113	24.541	ug/l #	98
31) 2,2-Dichloropropane	7.488	77	20537	4.933	ug/l #	90
32) 1,1,1-Trichloroethane	8.171	97	23914	5.318	ug/l #	77
33) Carbon Tetrachloride	8.365	117	19220	4.934	ug/l	92
34) Benzene	8.612	78	58169	5.153	ug/l #	91
35) Methacrylonitrile	7.788	41	12111	5.153	ug/l	91
36) 1,2-Dichloroethane	8.677	62	22203	5.253	ug/l #	83
37) Trichloroethene	9.359	130	14927	5.313	ug/l	90
38) Methylcyclohexane	9.600	83	17266	5.207	ug/l	97
39) 1,2-Dichloropropane	9.629	63	15895	5.228	ug/l #	86
40) Dibromomethane	9.718	93	10383	5.095	ug/l	98
41) Bromodichloromethane	9.894	83	21195	5.171	ug/l	91
42) Vinyl Acetate	6.612	43	150427	24.197	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.577	43	22956	5.474	ug/l	98
44) Isopropyl Acetate	8.694	43	39613	5.255	ug/l	99
45) 1,4-Dioxane	9.706	88	5715	100.756	ug/l	94
46) Methyl methacrylate	9.688	41	16474	4.961	ug/l	75
47) n-amyl Acetate	12.500	43	25754	4.453	ug/l	95
48) t-1,3-Dichloropropene	10.841	75	21182	4.853	ug/l	93
49) cis-1,3-Dichloropropene	10.318	75	22624	4.833	ug/l	92
50) 1,1,2-Trichloroethane	11.018	97	13692	4.971	ug/l	95
51) Ethyl methacrylate	10.882	69	19758	4.635	ug/l	89
52) 1,3-Dichloropropane	11.165	76	25762	5.222	ug/l	98
53) Dibromochloromethane	11.365	129	15353	5.093	ug/l	90
54) 1,2-Dibromoethane	11.476	107	14271	5.047	ug/l	95
55) 2-Chloroethyl vinyl ether	10.165	63	46764	23.734	ug/l	98
56) Bromoform	12.582	173	10325	4.855	ug/l #	96
58) 4-Methyl-2-Pentanone	10.453	43	110268	26.248	ug/l	96
59) 2-Hexanone	11.200	43	75906	24.660	ug/l	100
61) Tetrachloroethene	11.112	164	10631	5.185	ug/l	88
62) Toluene	10.635	91	59956	5.186	ug/l	96
64) Chlorobenzene	11.894	112	37038	5.329	ug/l	90
65) 1,1,1,2-Tetrachloroethane	11.965	131	14106	5.308	ug/l	97
66) Ethyl Benzene	11.970	91	59949	4.958	ug/l	95
67) m/p-Xylenes	12.076	106	44203	9.804	ug/l	97
68) o-Xylene	12.400	106	21896	4.926	ug/l	97
69) Styrene	12.417	104	33616	4.654	ug/l	95
70) Isopropylbenzene	12.700	105	53017	4.922	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.941	83	21413	5.303	ug/l	98
72) 1,2,3-Trichloropropane	13.000	75	17071m	4.825	ug/l	
73) Bromobenzene	12.988	156	13671	4.985	ug/l	92
74) n-propylbenzene	13.041	91	57148	4.681	ug/l	96
75) 2-Chlorotoluene	13.129	91	37402	4.830	ug/l	96
76) 1,3,5-Trimethylbenzene	13.176	105	42593	4.988	ug/l	100
77) t-1,4-Dichloro-2-butene	12.747	75	5433	4.413	ug/l	79
78) 4-Chlorotoluene	13.223	91	34315	4.625	ug/l	97
79) tert-butylbenzene	13.441	119	36527	5.062	ug/l	94
80) 1,2,4-Trimethylbenzene	13.482	105	39553	4.711	ug/l	97
81) sec-Butylbenzene	13.623	105	46155	4.847	ug/l	97
82) p-Isopropyltoluene	13.735	119	36339	4.674	ug/l	95
83) 1,3-Dichlorobenzene	13.741	146	20669	4.671	ug/l	98
84) 1,4-Dichlorobenzene	13.817	146	18964	4.365	ug/l	99
85) n-Butylbenzene	14.059	91	26565	4.344	ug/l	99
86) Hexachloroethane	14.335	117	8141	5.118	ug/l	92
87) 1,2-Dichlorobenzene	14.106	146	21737	4.796	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	14.723	75	3227	4.453	ug/l	85
89) 1,2,4-Trichlorobenzene	15.847	180	7797	4.355	ug/l	90
90) Hexachlorobutadiene	15.506	225	4643	4.982	ug/l	78
91) Naphthalene	15.647	128	17442	3.378	ug/l	97
92) 1,2,3-Trichlorobenzene	15.847	180	7797	4.356	ug/l	90

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

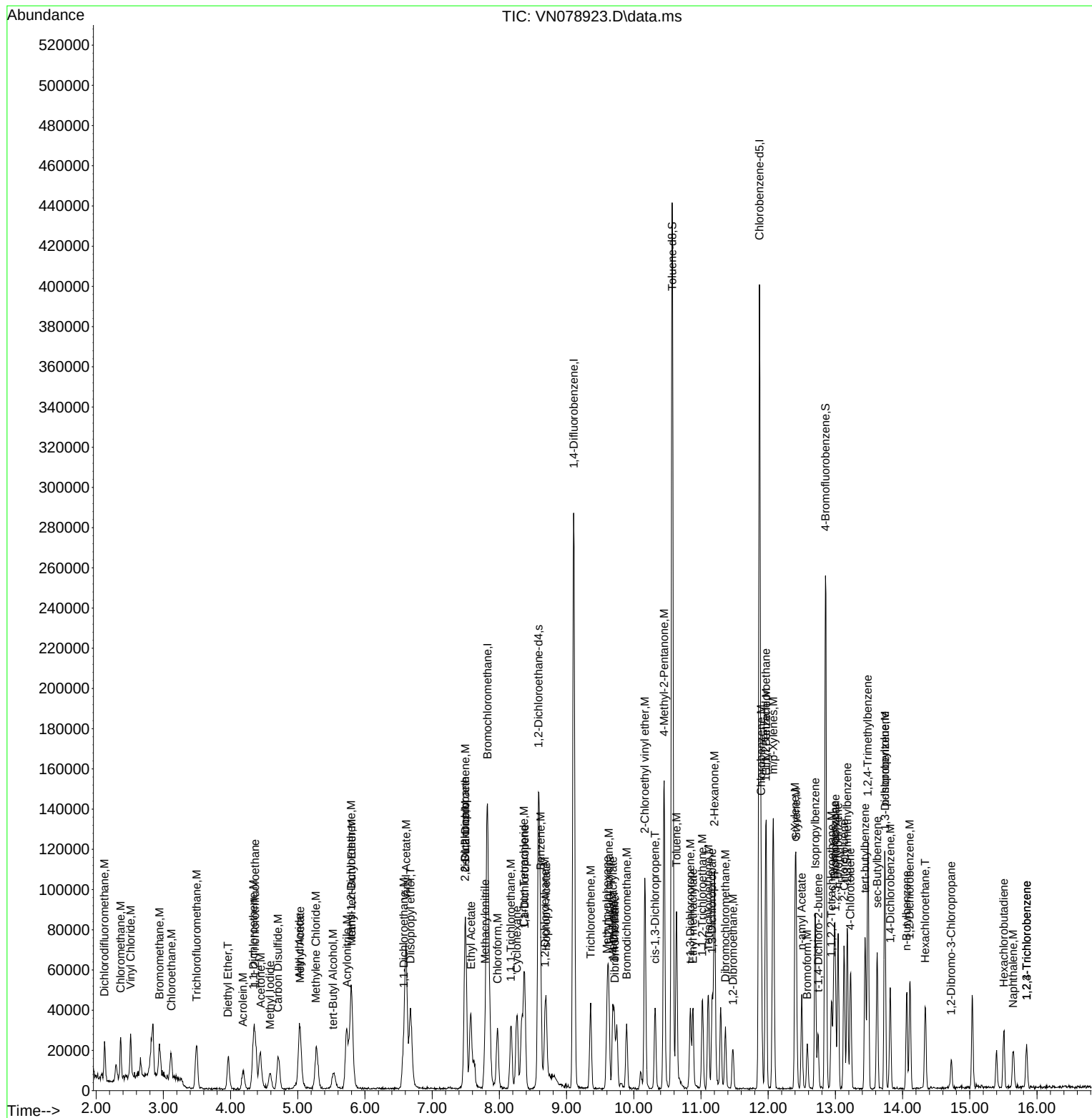
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081723\
Data File : VN078923.D
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Sample : VSTDIC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

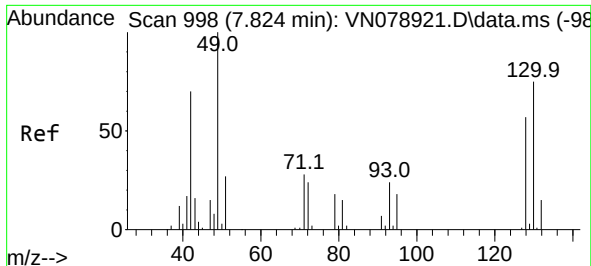
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Manual Integrations
APPROVED

Reviewed By :John Carlone 08/18/2023
Supervised By :Semsettin Yesilyurt 08/18/2023

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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Aug 18 05:01:29 2023
Response via : Initial Calibration





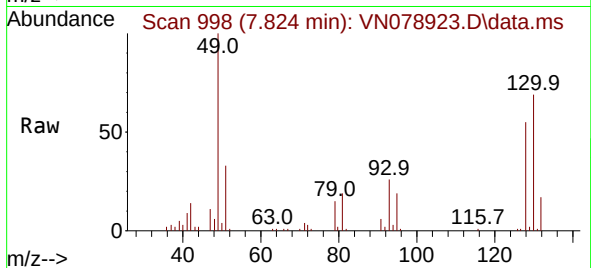
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.824 min Scan# 998
Delta R.T. -0.000 min
Lab File: VN078923.D
Acq: 17 Aug 2023 13:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005



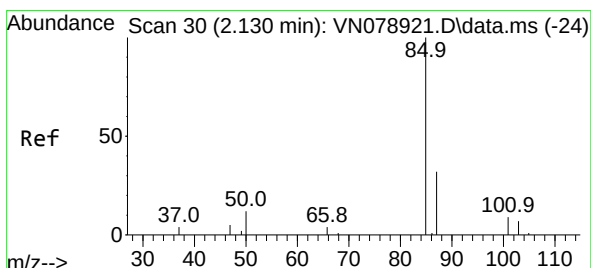
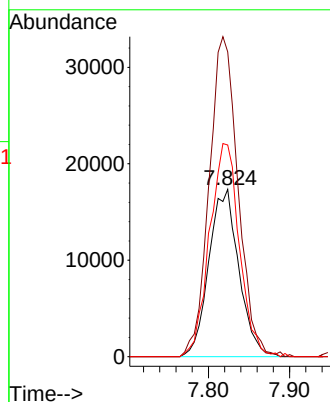
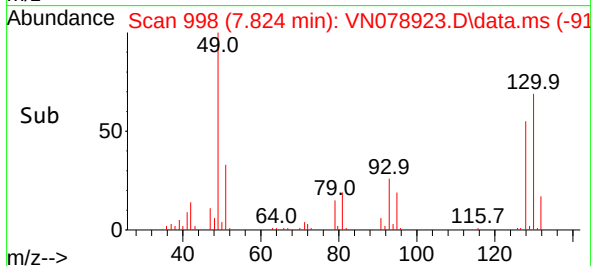
Tgt Ion:128 Resp: 44470
Ion Ratio Lower Upper
128 100
49 184.2 0.0 481.8
130 126.4 0.0 320.5

Manual Integrations

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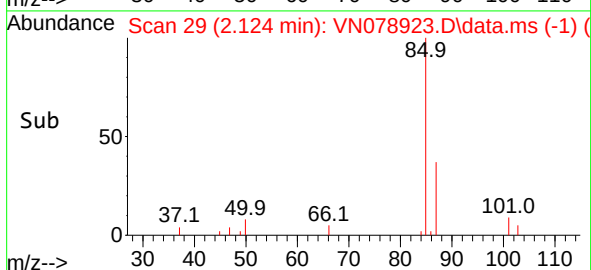
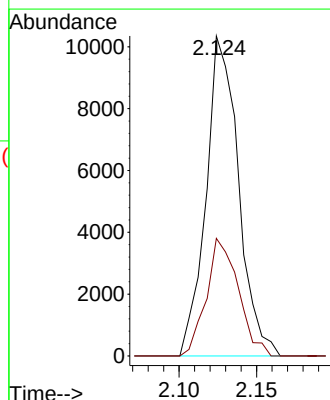
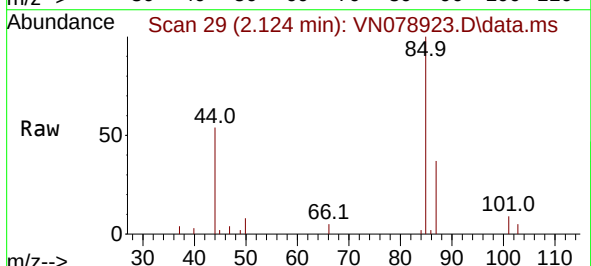
Reviewed By :John Carlone 08/18/2023

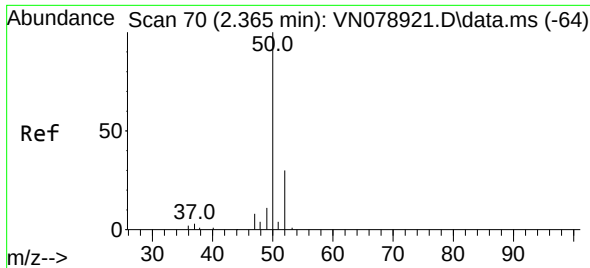
Supervised By :Semsettin Yesilyurt 08/18/2023



#2
Dichlorodifluoromethane
Concen: 5.368 ug/l
RT: 2.124 min Scan# 29
Delta R.T. -0.006 min
Lab File: VN078923.D
Acq: 17 Aug 2023 13:51

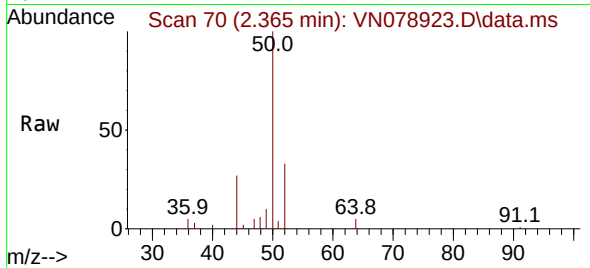
Tgt Ion: 85 Resp: 15064
Ion Ratio Lower Upper
85 100
87 36.8 15.9 47.7





#3
Chloromethane
Concen: 5.585 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.000 min
Lab File: VN078923.D
Acq: 17 Aug 2023 13:51

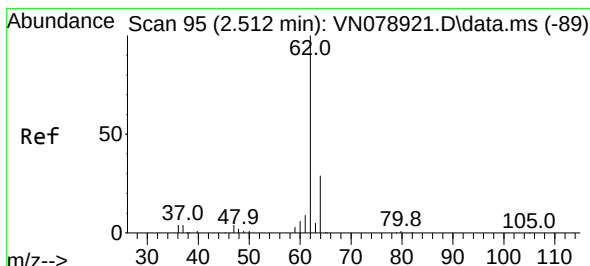
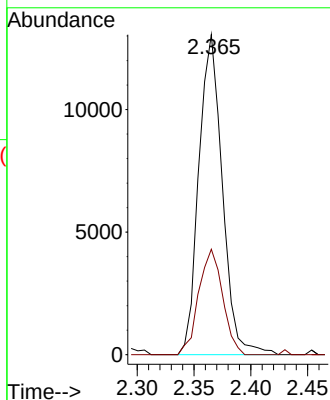
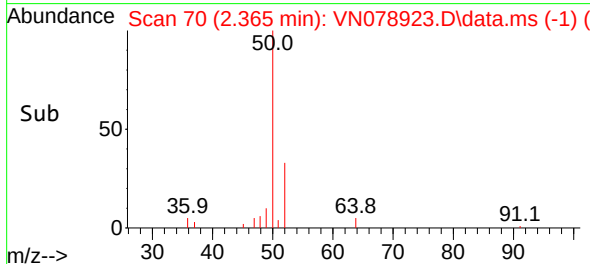
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



Tgt Ion: 50 Resp: 18784
Ion Ratio Lower Upper
50 100
52 32.9 24.2 36.4

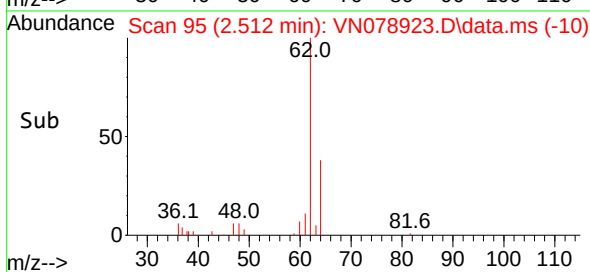
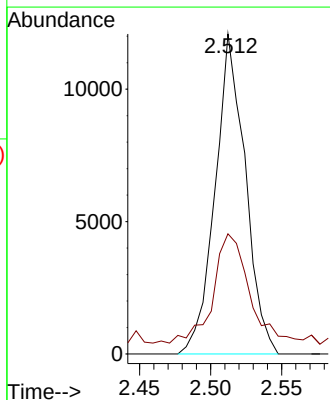
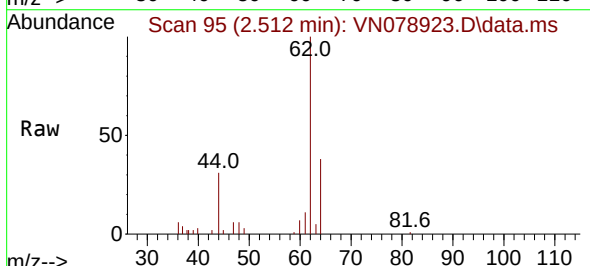
Manual Integrations
APPROVED

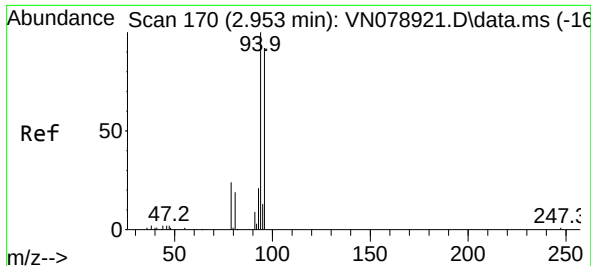
Reviewed By :John Carlone 08/18/2023
Supervised By :Semsettin Yesilyurt 08/18/2023



#4
Vinyl Chloride
Concen: 5.364 ug/l
RT: 2.512 min Scan# 95
Delta R.T. 0.000 min
Lab File: VN078923.D
Acq: 17 Aug 2023 13:51

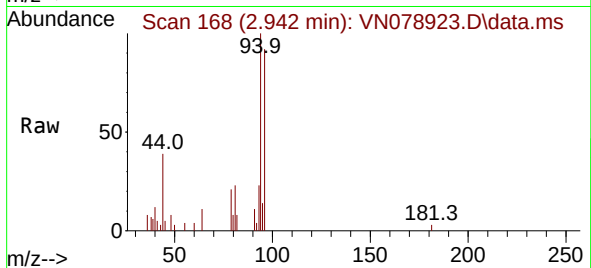
Tgt Ion: 62 Resp: 17853
Ion Ratio Lower Upper
62 100
64 32.0 23.8 35.8





#5
Bromomethane
Concen: 6.064 ug/l
RT: 2.942 min Scan# 11
Delta R.T. -0.012 min
Lab File: VN078923.D
Acq: 17 Aug 2023 13:51

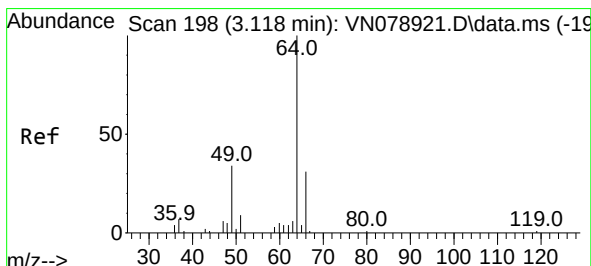
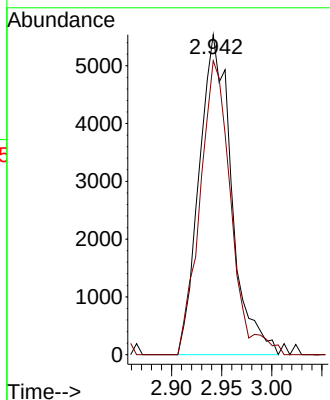
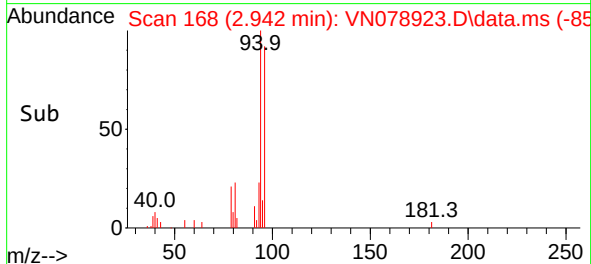
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



Tgt Ion: 94 Resp: 12458
Ion Ratio Lower Upper
94 100
96 91.8 73.6 110.4

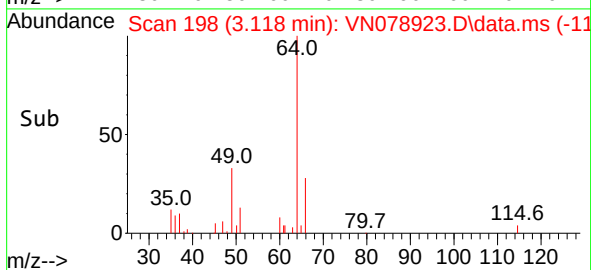
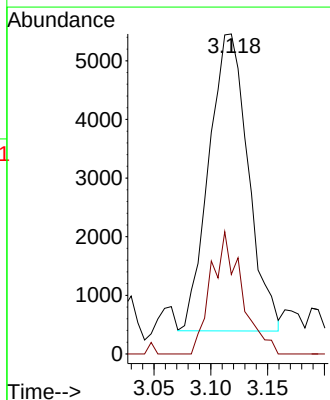
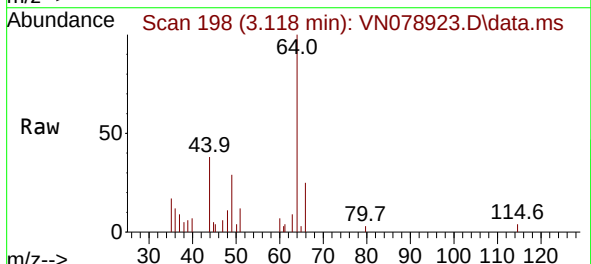
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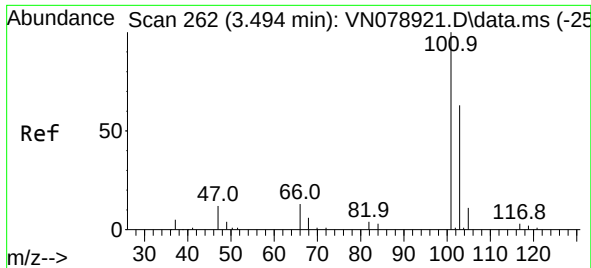
Reviewed By :John Carlone 08/18/2023
Supervised By :Semsettin Yesilyurt 08/18/2023



#6
Chloroethane
Concen: 5.629 ug/l
RT: 3.118 min Scan# 198
Delta R.T. 0.000 min
Lab File: VN078923.D
Acq: 17 Aug 2023 13:51

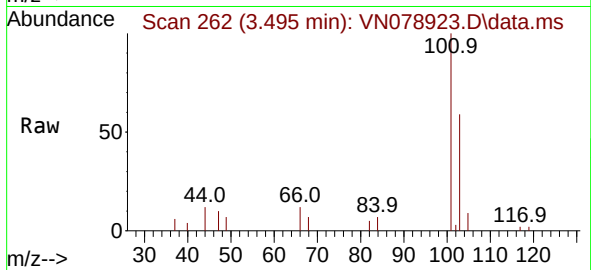
Tgt Ion: 64 Resp: 12176
Ion Ratio Lower Upper
64 100
66 26.8 24.9 37.3





#7
 Trichlorofluoromethane
 Concen: 5.346 ug/l
 RT: 3.495 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VN078923.D
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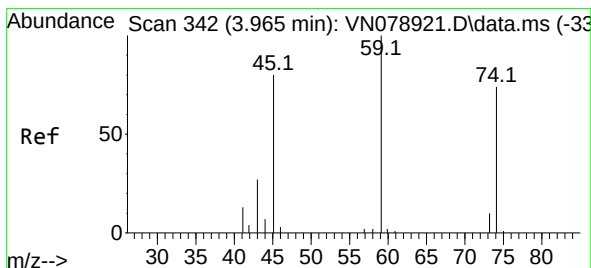
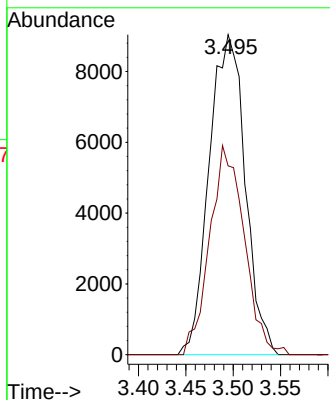
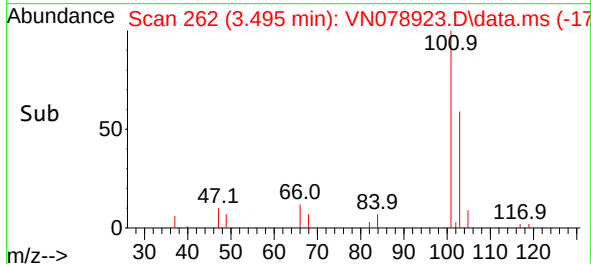
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005



Tgt Ion:101 Resp: 2396
 Ion Ratio Lower Upper
 101 100
 103 59.0 50.9 76.3

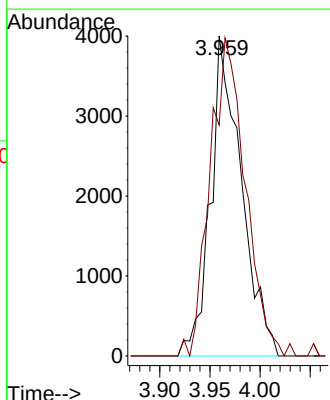
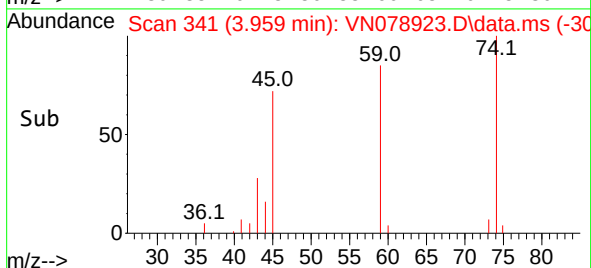
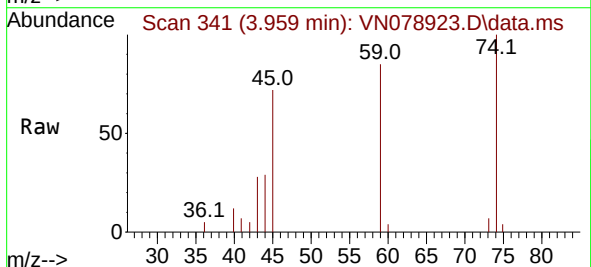
Manual Integrations
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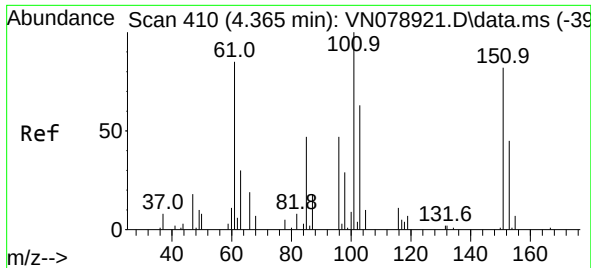
Reviewed By :John Carlone 08/18/2023
 Supervised By :Semsettin Yesilyurt 08/18/2023



#8
 Diethyl Ether
 Concen: 5.052 ug/l
 RT: 3.959 min Scan# 341
 Delta R.T. -0.006 min
 Lab File: VN078923.D
 Acq: 17 Aug 2023 13:51

Tgt Ion: 74 Resp: 8519
 Ion Ratio Lower Upper
 74 100
 45 112.9 21.3 191.9





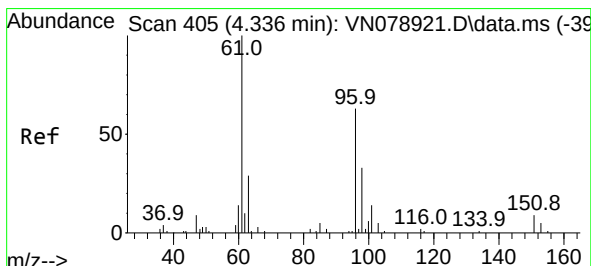
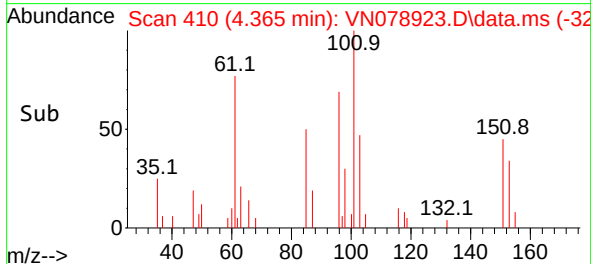
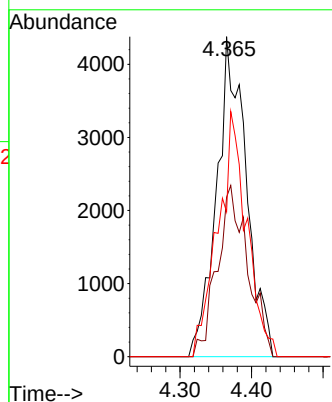
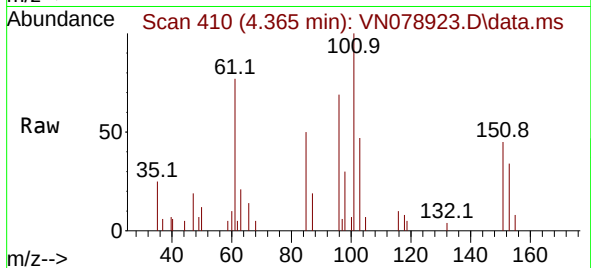
#9
1,1,2-Trichlorotrifluoroethane
Concen: 5.369 ug/l m
RT: 4.365 min Scan# 410
Delta R.T. 0.000 min
Lab File: VN078923.D
Acq: 17 Aug 2023 13:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion:101 Resp: 12558
Ion Ratio Lower Upper
101 100
85 31.4 0.0 65.4
151 74.6 0.0 156.8

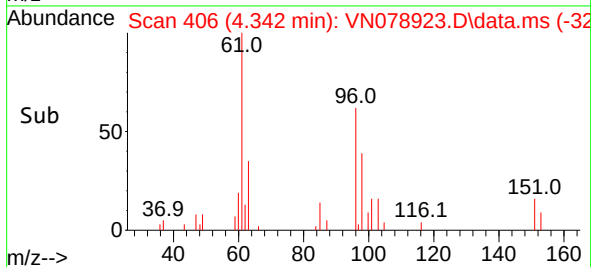
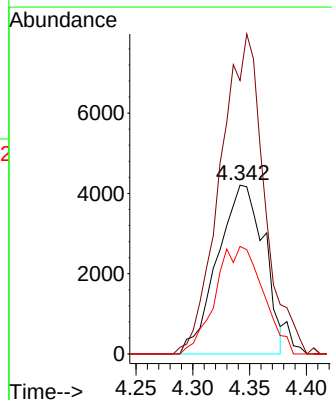
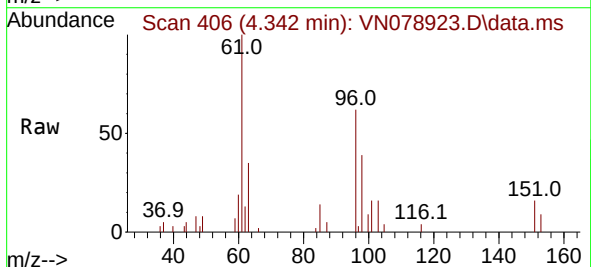
Manual Integrations
APPROVED

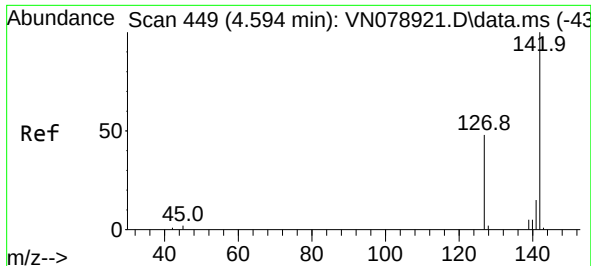
Reviewed By :John Carlone 08/18/2023
Supervised By :Semsettin Yesilyurt 08/18/2023



#10
1,1-Dichloroethene
Concen: 5.054 ug/l
RT: 4.342 min Scan# 406
Delta R.T. 0.006 min
Lab File: VN078923.D
Acq: 17 Aug 2023 13:51

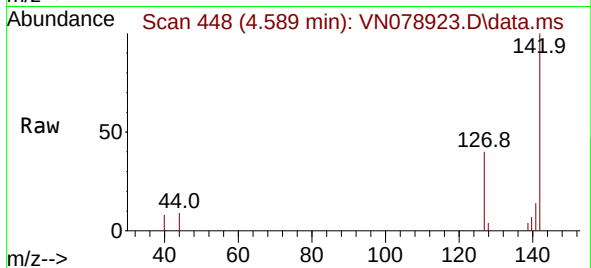
Tgt Ion: 96 Resp: 11989
Ion Ratio Lower Upper
96 100
61 158.0 126.2 189.4
98 63.6 41.7 62.5





#11
Methyl Iodide
Concen: 4.980 ug/l
RT: 4.589 min Scan# 449
Delta R.T. -0.006 min
Lab File: VN078923.D
Acq: 17 Aug 2023 13:51

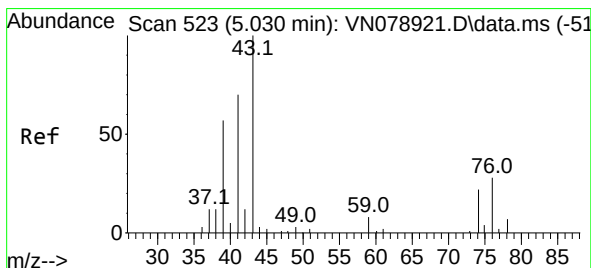
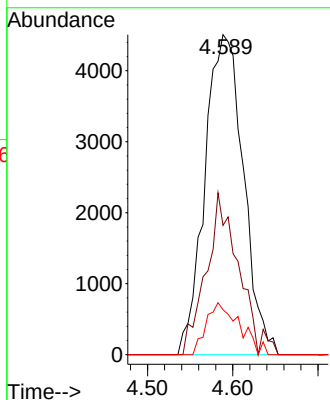
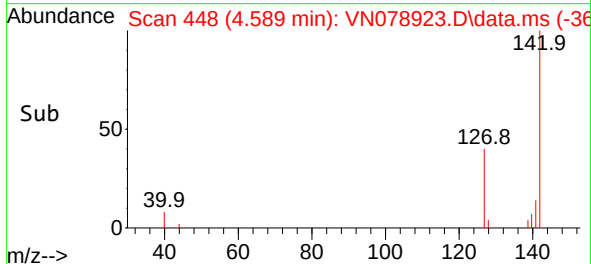
Instrument :
MSVOA_N
Client Sample Id :
VSTDIC005



Tgt Ion: 142 Resp: 14150
Ion Ratio Lower Upper
142 100
127 40.4 24.3 72.9
141 14.1 7.3 22.0

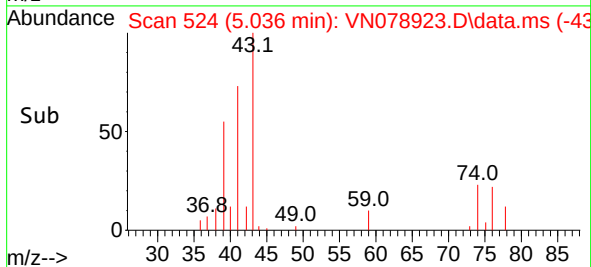
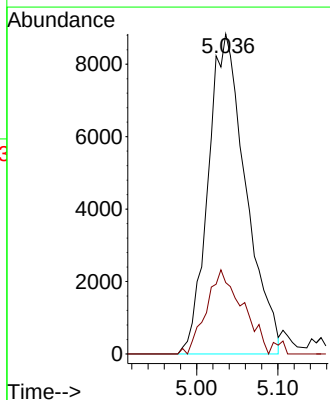
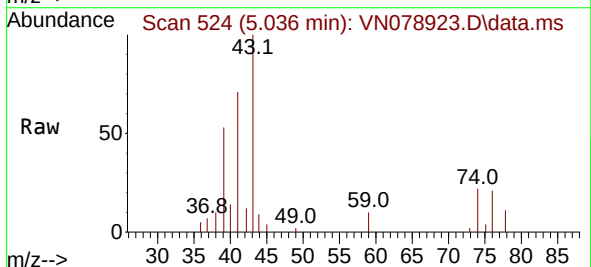
Manual Integrations
APPROVED

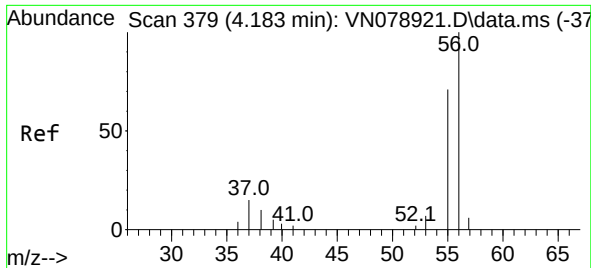
Reviewed By : John Carlone 08/18/2023
Supervised By : Semsettin Yesilyurt 08/18/2023



#12
Methyl Acetate
Concen: 5.162 ug/l
RT: 5.036 min Scan# 524
Delta R.T. 0.006 min
Lab File: VN078923.D
Acq: 17 Aug 2023 13:51

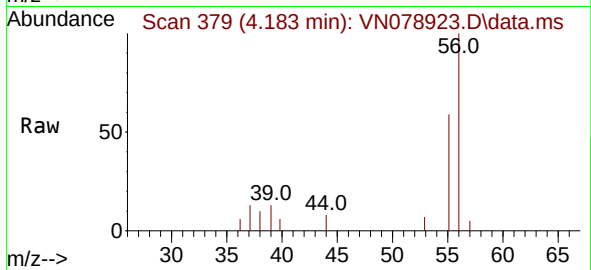
Tgt Ion: 43 Resp: 28503
Ion Ratio Lower Upper
43 100
74 21.5 17.5 26.3





#13
Acrolein
Concen: 31.744 ug/l m
RT: 4.183 min Scan# 379
Delta R.T. 0.000 min
Lab File: VN078923.D
Acq: 17 Aug 2023 13:51

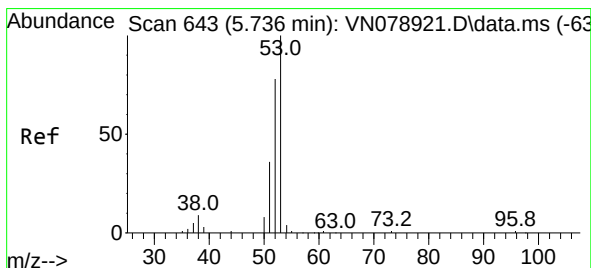
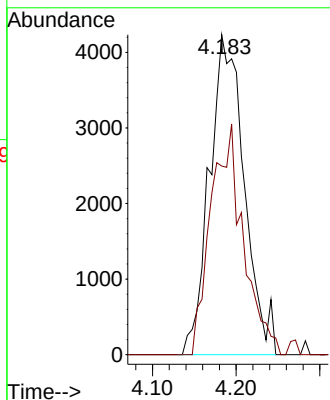
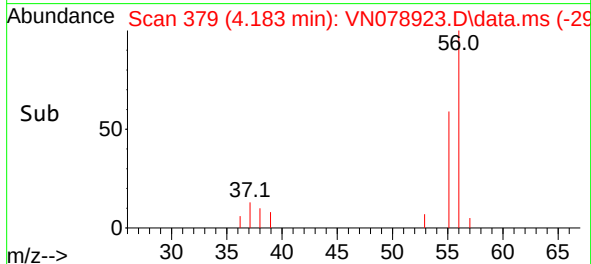
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005



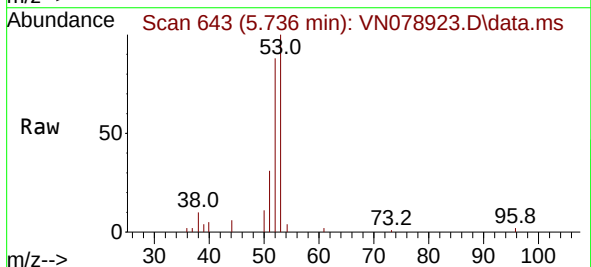
Tgt Ion: 56 Resp: 12210
Ion Ratio Lower Upper
56 100
55 36.3 54.5 81.7

Manual Integrations
APPROVED

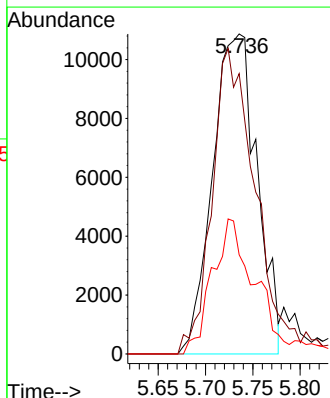
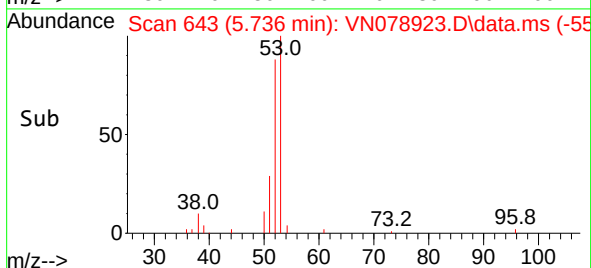
Reviewed By :John Carlone 08/18/2023
Supervised By :Semsettin Yesilyurt 08/18/2023

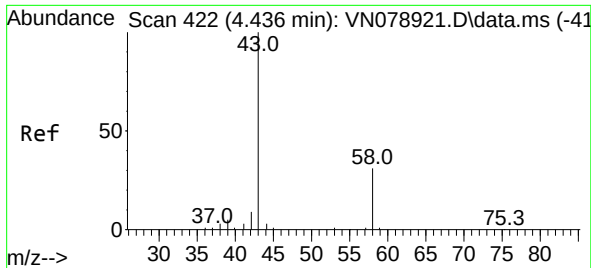


#14
Acrylonitrile
Concen: 24.417 ug/l
RT: 5.736 min Scan# 643
Delta R.T. 0.000 min
Lab File: VN078923.D
Acq: 17 Aug 2023 13:51



Tgt Ion: 53 Resp: 35438
Ion Ratio Lower Upper
53 100
52 92.0 41.9 125.6
51 24.1 10.1 30.1





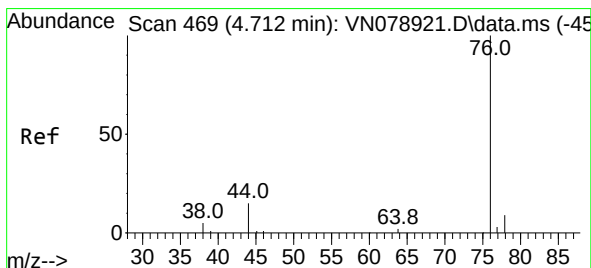
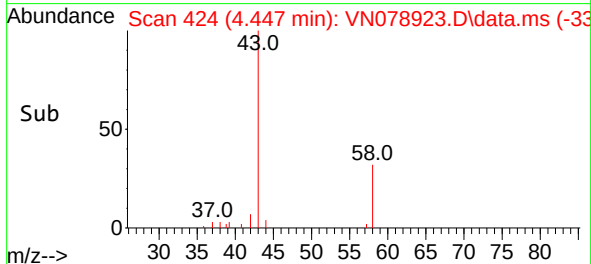
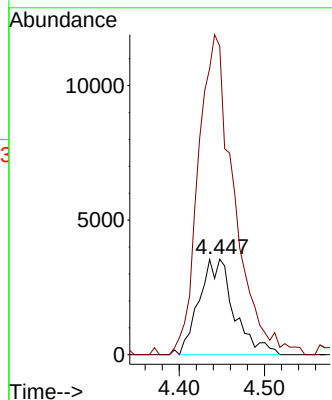
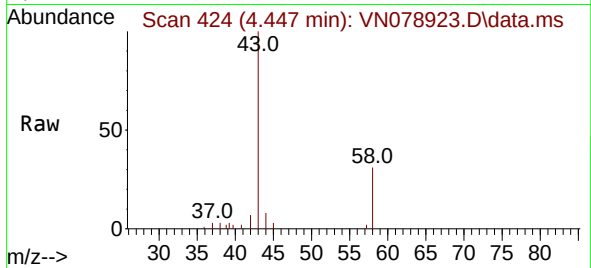
#15
Acetone
Concen: 22.671 ug/l m
RT: 4.447 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN078923.D
Acq: 17 Aug 2023 13:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 58 Resp: 1010
Ion Ratio Lower Upper
58 100
43 323.0 260.6 390.8

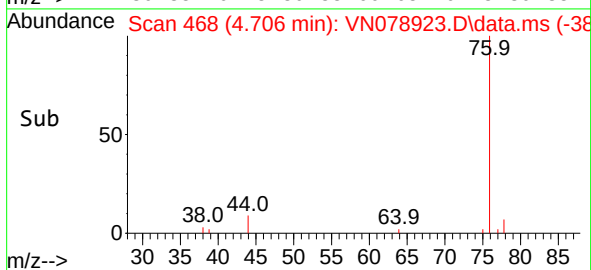
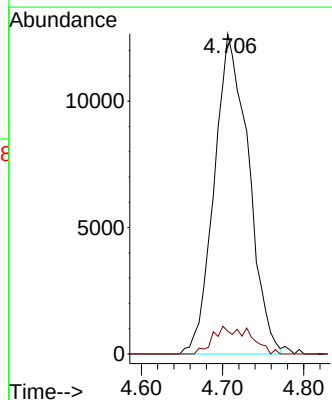
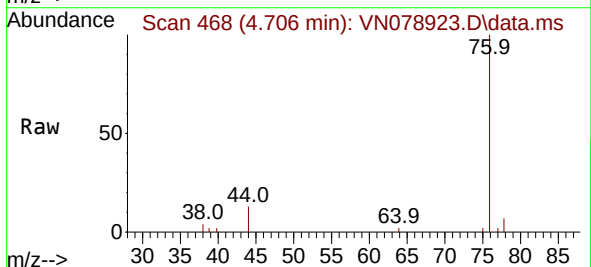
Manual Integrations
APPROVED

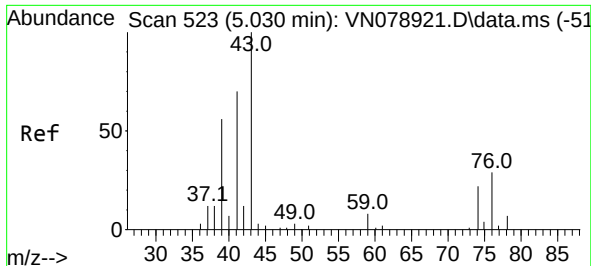
Reviewed By :John Carlone 08/18/2023
Supervised By :Semsettin Yesilyurt 08/18/2023



#16
Carbon Disulfide
Concen: 5.482 ug/l
RT: 4.706 min Scan# 468
Delta R.T. -0.006 min
Lab File: VN078923.D
Acq: 17 Aug 2023 13:51

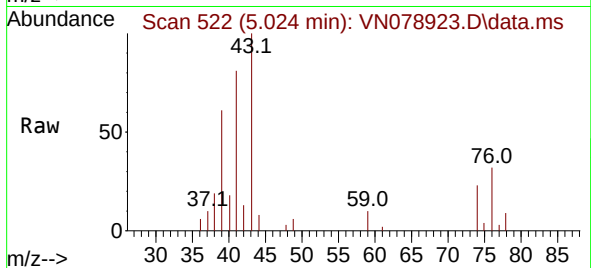
Tgt Ion: 76 Resp: 37101
Ion Ratio Lower Upper
76 100
78 7.1 7.0 10.6





#17
 Allyl chloride
 Concen: 5.647 ug/l m
 RT: 5.024 min Scan# 51
 Delta R.T. -0.006 min
 Lab File: VN078923.D
 Acq: 17 Aug 2023 13:51

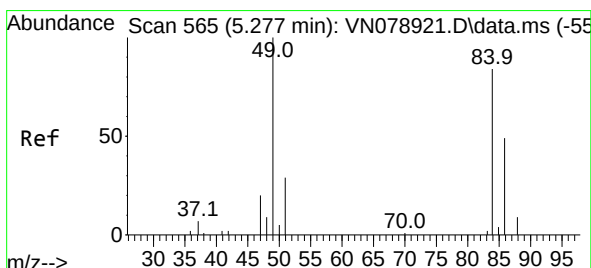
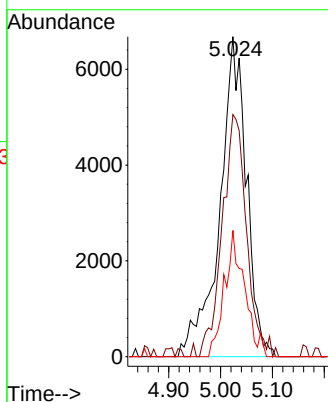
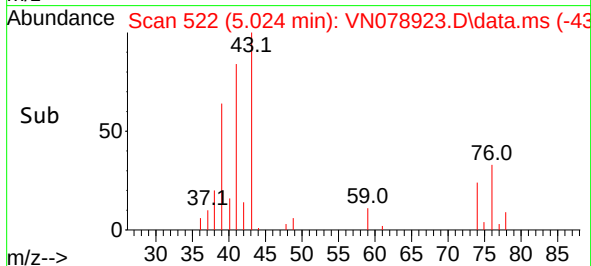
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005



Tgt Ion: 41 Resp: 2389
 Ion Ratio Lower Upper
 41 100
 39 75.6 36.9 110.7
 76 39.5 17.3 51.9

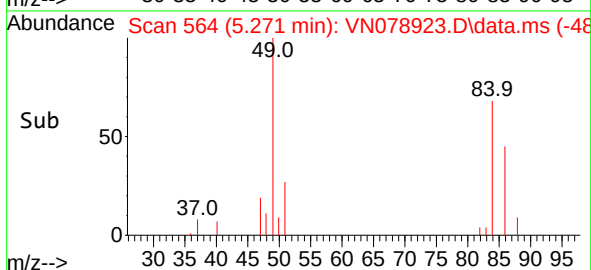
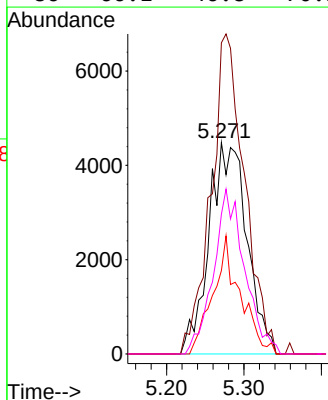
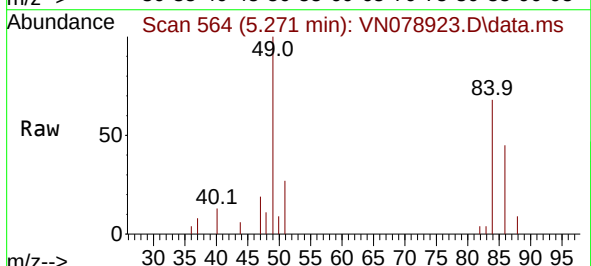
Manual Integrations
 APPROVED

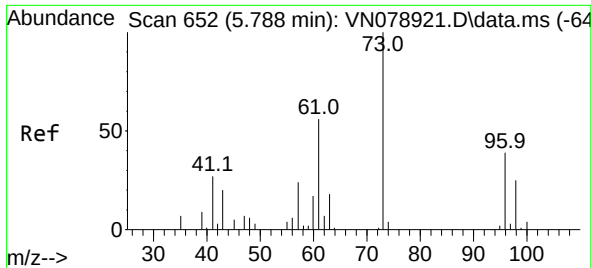
Reviewed By :John Carlone 08/18/2023
 Supervised By :Semsettin Yesilyurt 08/18/2023



#18
 Methylene Chloride
 Concen: 5.424 ug/l m
 RT: 5.271 min Scan# 564
 Delta R.T. -0.006 min
 Lab File: VN078923.D
 Acq: 17 Aug 2023 13:51

Tgt Ion: 84 Resp: 15275
 Ion Ratio Lower Upper
 84 100
 49 147.3 95.8 143.6#
 51 39.4 28.6 43.0
 86 66.1 46.8 70.2





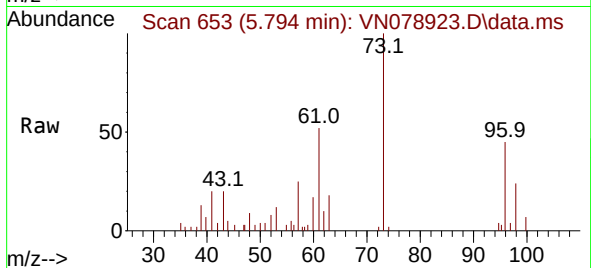
#19
trans-1,2-Dichloroethene
Concen: 5.281 ug/l
RT: 5.794 min Scan# 653
Delta R.T. 0.006 min
Lab File: VN078923.D
Acq: 17 Aug 2023 13:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

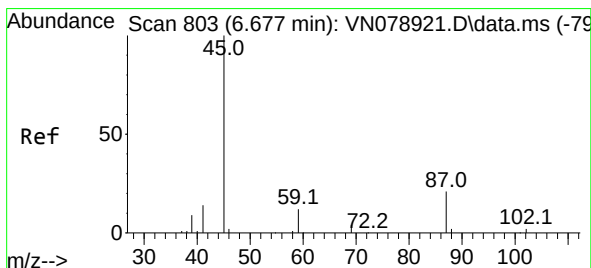
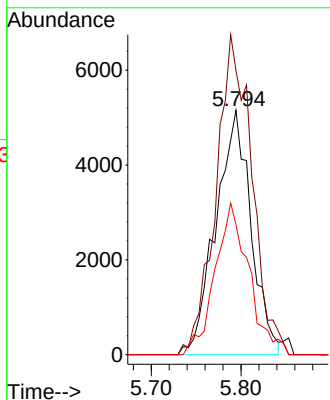
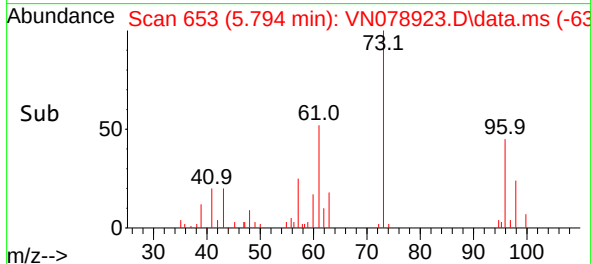


Tgt Ion: 96 Resp: 14000
Ion Ratio Lower Upper
96 100
61 116.4 114.0 171.0
98 53.3 50.6 76.0

Manual Integrations

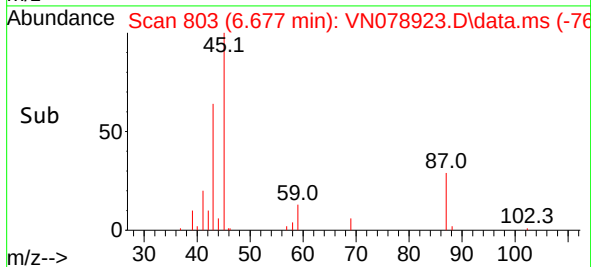
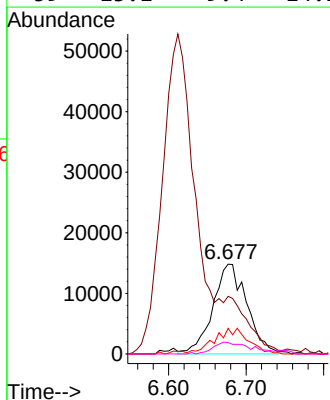
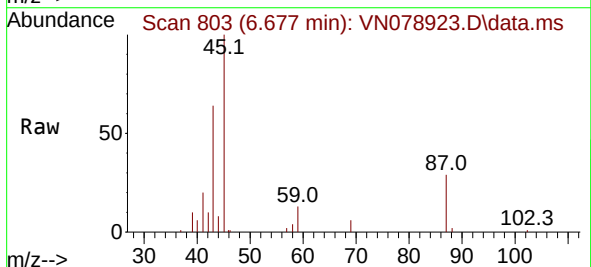
APPROVED

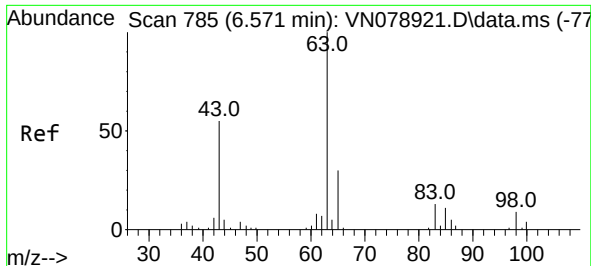
Reviewed By :John Carlone 08/18/2023
Supervised By :Semsettin Yesilyurt 08/18/2023



#20
Diisopropyl ether
Concen: 4.811 ug/l
RT: 6.677 min Scan# 803
Delta R.T. 0.000 min
Lab File: VN078923.D
Acq: 17 Aug 2023 13:51

Tgt Ion: 45 Resp: 45184
Ion Ratio Lower Upper
45 100
43 61.7 37.4 56.2#
87 27.8 17.3 25.9#
59 13.1 9.4 14.2





#21

1,1-Dichloroethane

Concen: 5.241 ug/l

RT: 6.577 min Scan# 785

Delta R.T. 0.006 min

Lab File: VN078923.D

Acq: 17 Aug 2023 13:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

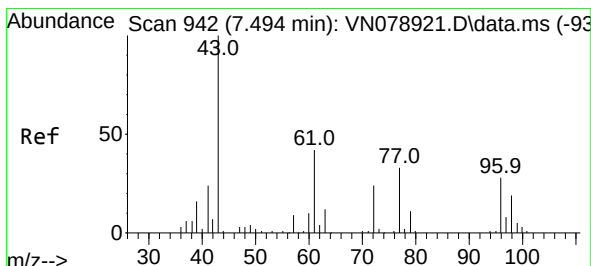
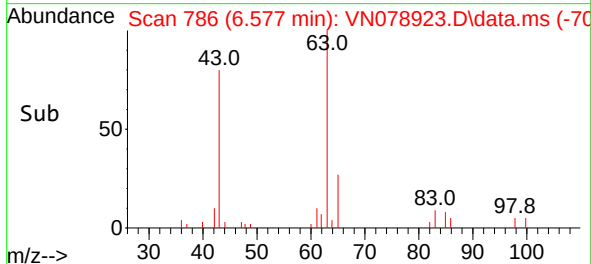
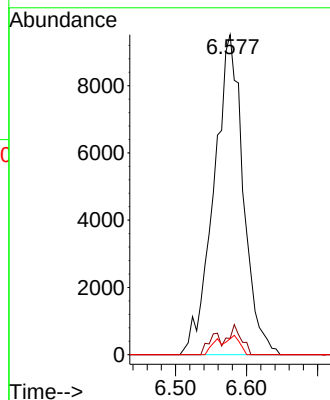
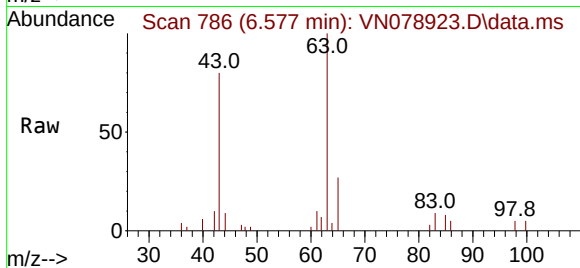
Tgt Ion:	63	Resp:	2731
Ion Ratio	Lower	Upper	
63	100		
98	5.1	4.4	13.2
100	5.0	2.1	6.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/18/2023

Supervised By :Semsettin Yesilyurt 08/18/2023



#22

cis-1,2-Dichloroethene

Concen: 4.966 ug/l

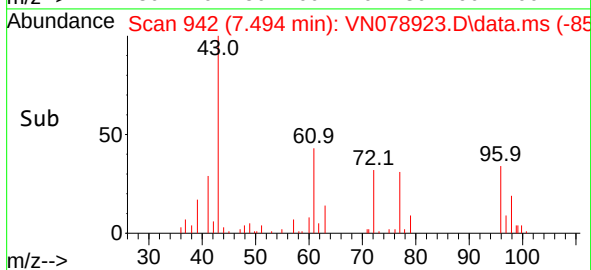
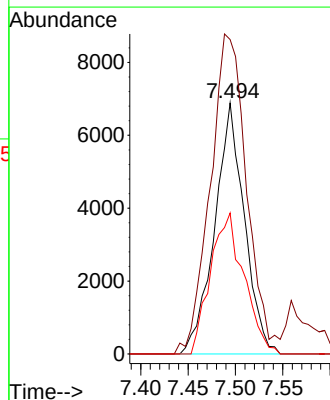
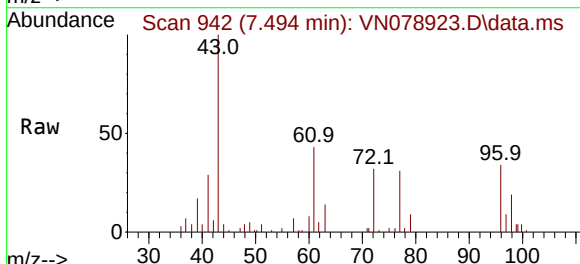
RT: 7.494 min Scan# 942

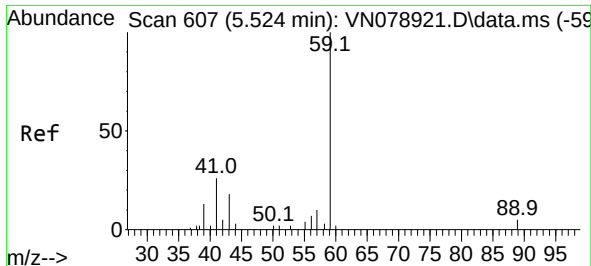
Delta R.T. 0.000 min

Lab File: VN078923.D

Acq: 17 Aug 2023 13:51

Tgt Ion:	96	Resp:	15067
Ion Ratio	Lower	Upper	
96	100		
61	153.7	121.8	182.6
98	63.2	50.7	76.1





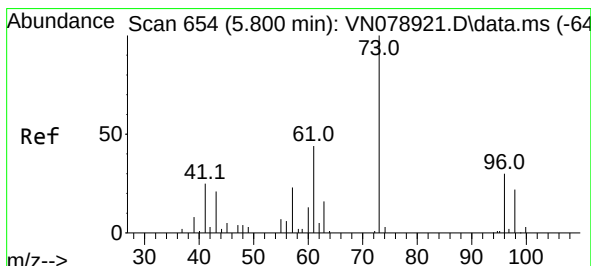
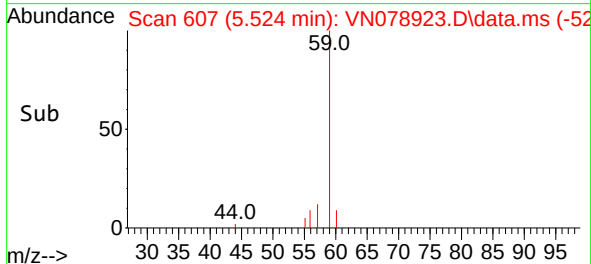
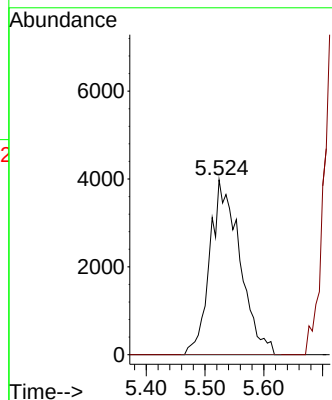
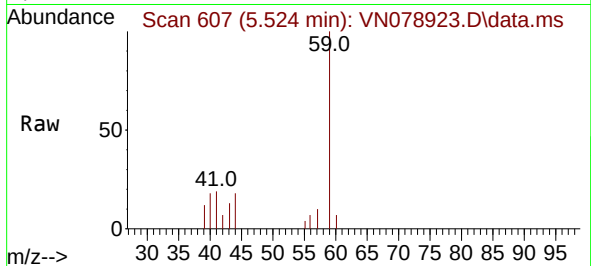
#23
tert-Butyl Alcohol
Concen: 26.128 ug/l m
RT: 5.524 min Scan# 607
Delta R.T. 0.000 min
Lab File: VN078923.D
Acq: 17 Aug 2023 13:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion: 59 Resp: 1414
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0

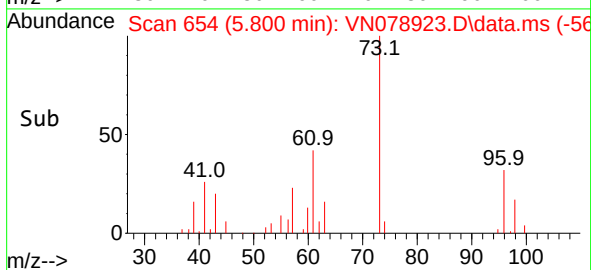
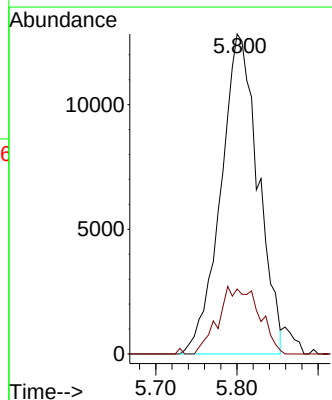
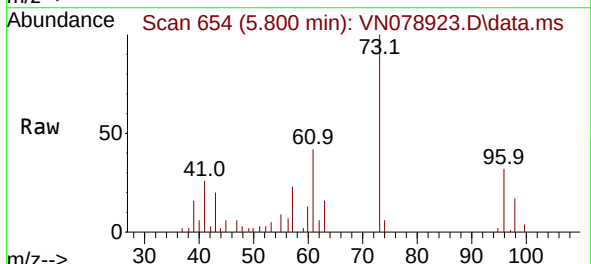
Manual Integrations
APPROVED

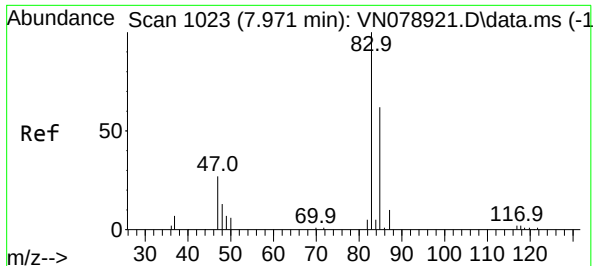
Reviewed By :John Carlone 08/18/2023
Supervised By :Semsettin Yesilyurt 08/18/2023



#24
Methyl tert-Butyl Ether
Concen: 4.898 ug/l
RT: 5.800 min Scan# 654
Delta R.T. 0.000 min
Lab File: VN078923.D
Acq: 17 Aug 2023 13:51

Tgt Ion: 73 Resp: 40977
Ion Ratio Lower Upper
73 100
43 9.3 17.3 25.9#





#25

Chloroform

Concen: 5.235 ug/l

RT: 7.971 min Scan# 1023

Delta R.T. 0.000 min

Lab File: VN078923.D

Acq: 17 Aug 2023 13:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC005

Tgt Ion: 83 Resp: 2748

Ion Ratio Lower Upper

83 100

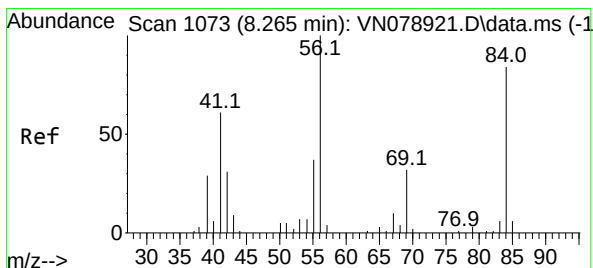
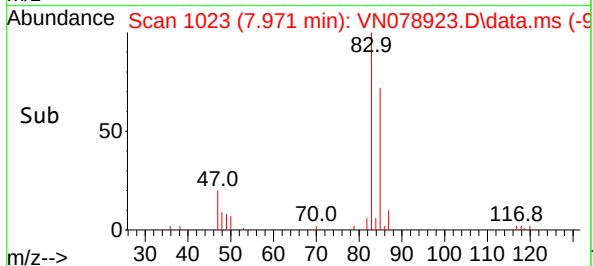
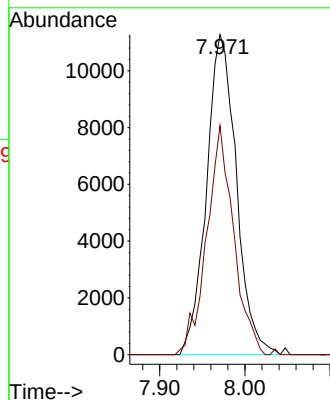
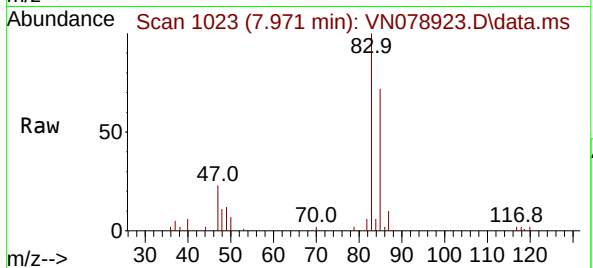
85 71.6 49.6 74.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/18/2023

Supervised By :Semsettin Yesilyurt 08/18/2023



#26

Cyclohexane

Concen: 5.156 ug/l

RT: 8.259 min Scan# 1072

Delta R.T. -0.006 min

Lab File: VN078923.D

Acq: 17 Aug 2023 13:51

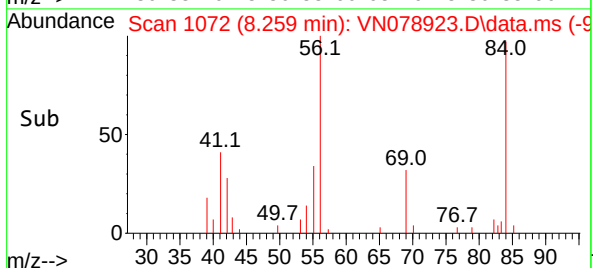
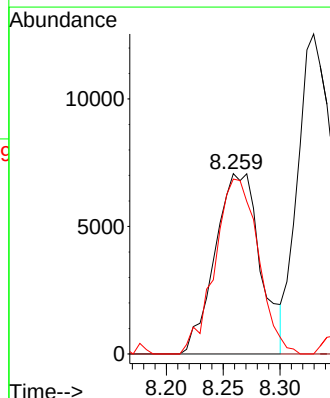
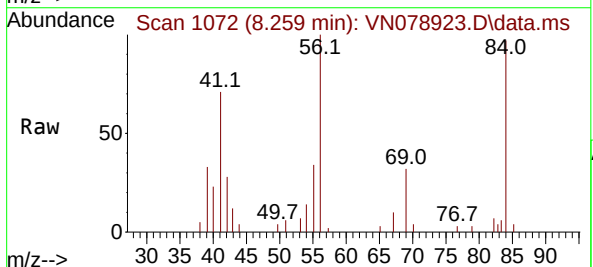
Tgt Ion: 56 Resp: 19654

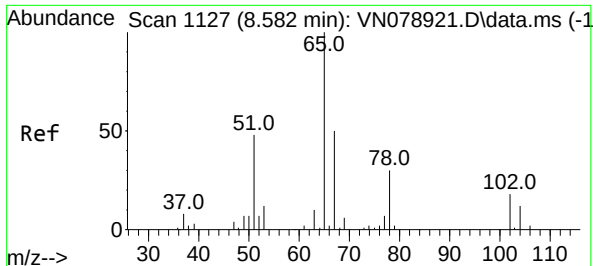
Ion Ratio Lower Upper

56 100

89 0.0 0.0 0.0

84 92.6 70.1 105.1





#27

1,2-Dichloroethane-d4

Concen: 30.512 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VN078923.D

Acq: 17 Aug 2023 13:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion: 65 Resp: 109928

Ion Ratio Lower Upper

65 100

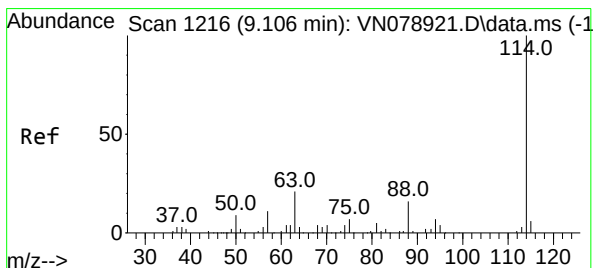
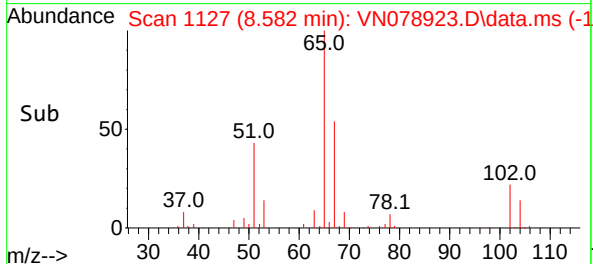
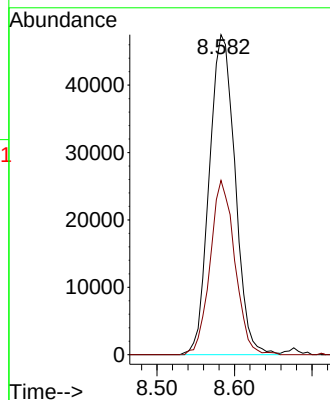
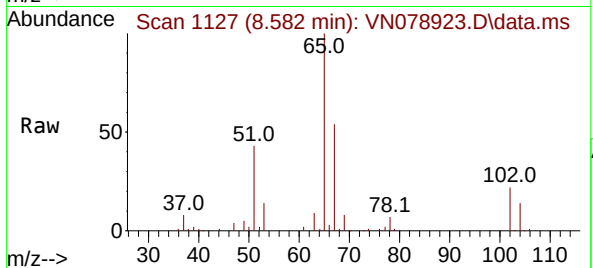
67 51.9 40.7 61.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/18/2023

Supervised By :Semsettin Yesilyurt 08/18/2023



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. 0.000 min

Lab File: VN078923.D

Acq: 17 Aug 2023 13:51

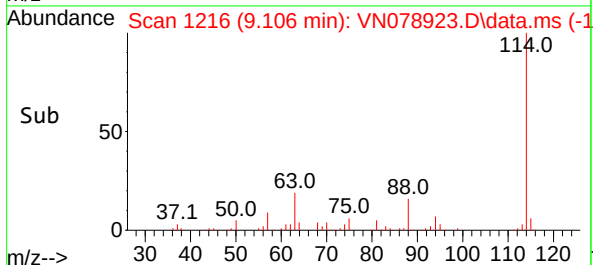
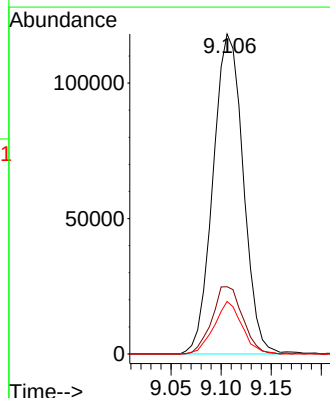
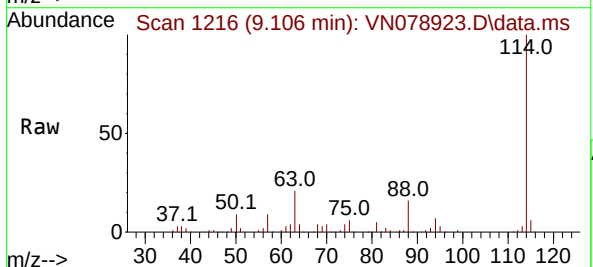
Tgt Ion:114 Resp: 247604

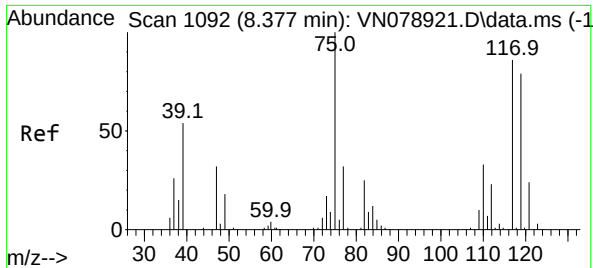
Ion Ratio Lower Upper

114 100

63 21.3 17.4 26.2

88 15.2 12.0 18.0





#29

1,1-Dichloropropene

Concen: 4.868 ug/l

RT: 8.377 min Scan# 1092

Delta R.T. 0.000 min

Lab File: VN078923.D

Acq: 17 Aug 2023 13:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

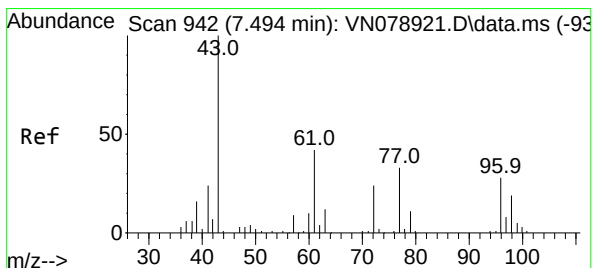
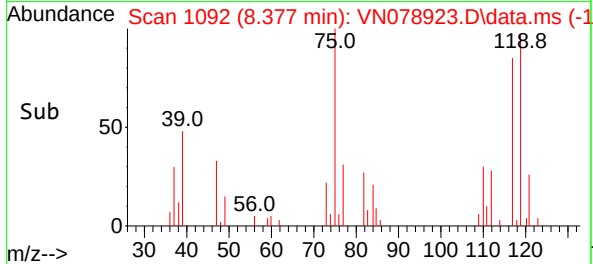
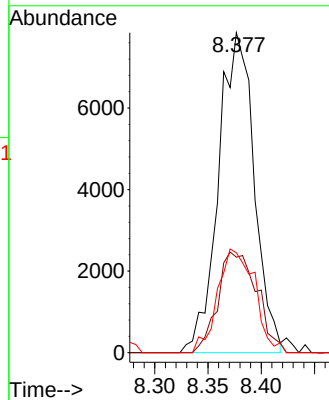
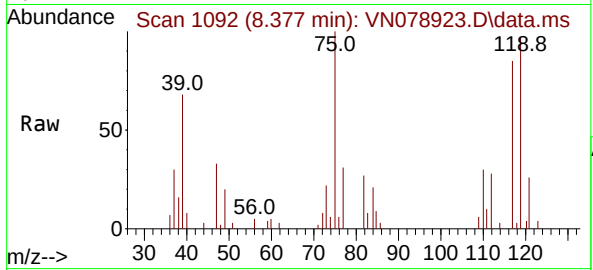
Tgt Ion: 75	Resp: 18334
Ion Ratio	Lower Upper
75 100	
110 34.5	0.0 65.8
77 33.6	0.0 60.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/18/2023

Supervised By :Semsettin Yesilyurt 08/18/2023



#30

2-Butanone

Concen: 24.541 ug/l

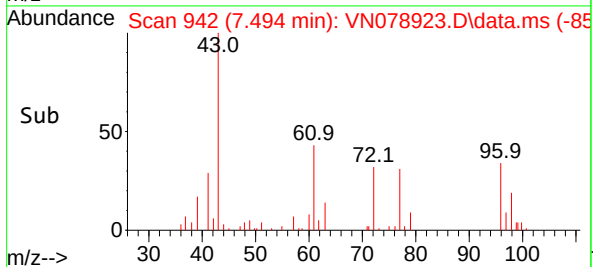
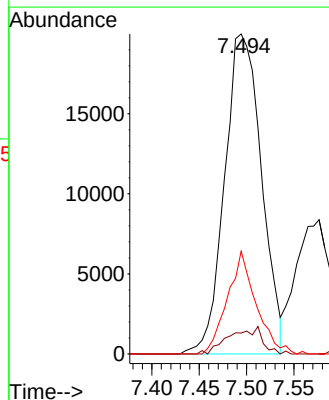
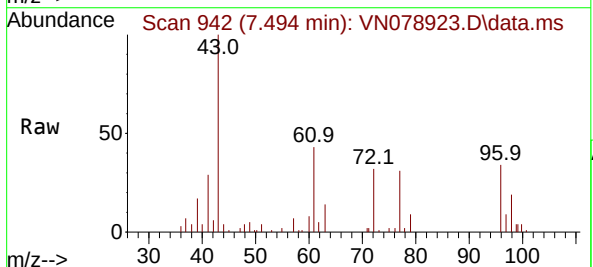
RT: 7.494 min Scan# 942

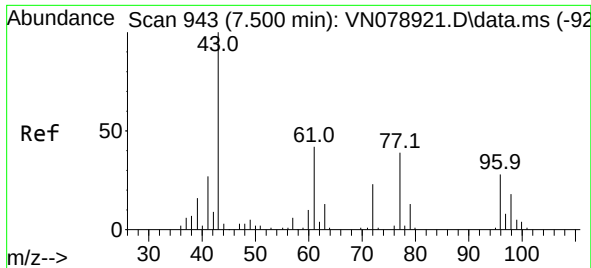
Delta R.T. 0.000 min

Lab File: VN078923.D

Acq: 17 Aug 2023 13:51

Tgt Ion: 43	Resp: 54113
Ion Ratio	Lower Upper
43 100	
57 5.5	6.2 9.4#
72 24.5	19.4 29.2





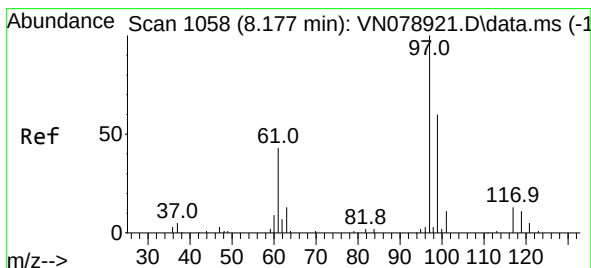
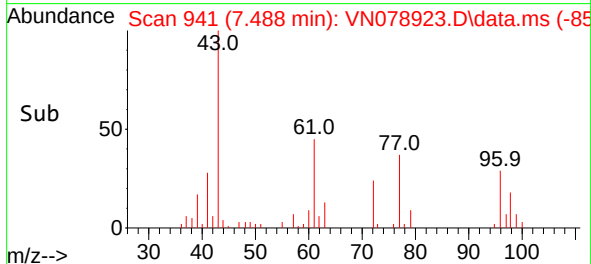
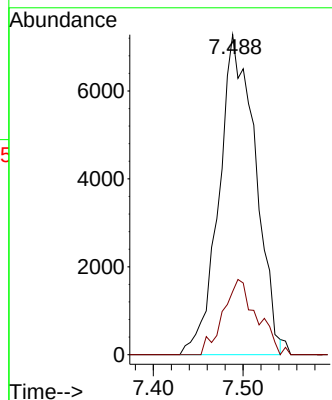
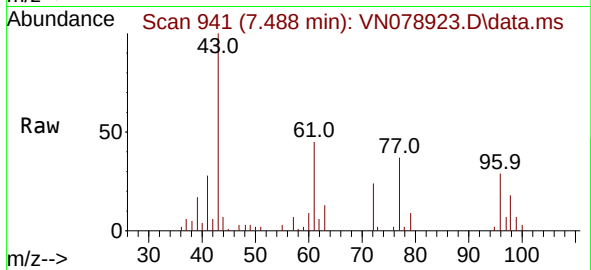
#31
2,2-Dichloropropane
Concen: 4.933 ug/l
RT: 7.488 min Scan# 941
Delta R.T. -0.012 min
Lab File: VN078923.D
Acq: 17 Aug 2023 13:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion: 77 Resp: 2053
Ion Ratio Lower Upper
77 100
97 17.3 17.6 26.4

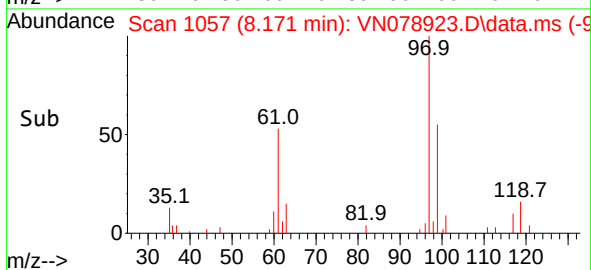
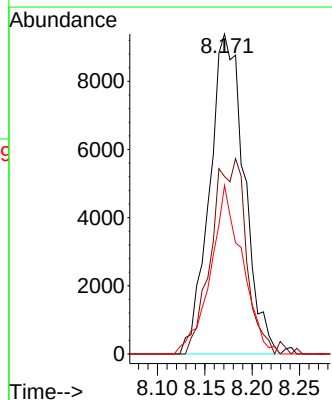
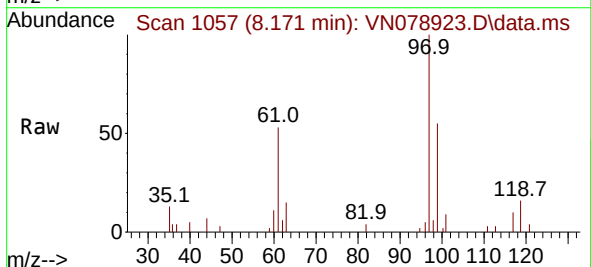
Manual Integrations
APPROVED

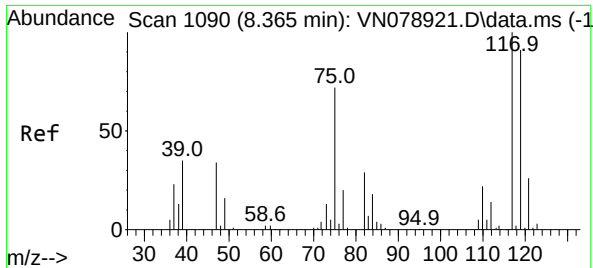
Reviewed By :John Carlone 08/18/2023
Supervised By :Semsettin Yesilyurt 08/18/2023



#32
1,1,1-Trichloroethane
Concen: 5.318 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. -0.006 min
Lab File: VN078923.D
Acq: 17 Aug 2023 13:51

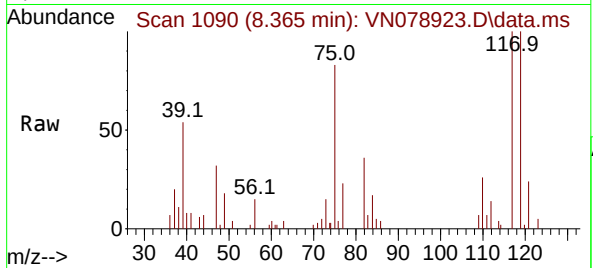
Tgt Ion: 97 Resp: 23914
Ion Ratio Lower Upper
97 100
99 35.9 52.0 78.0#
61 48.2 37.0 55.6





#33
Carbon Tetrachloride
Concen: 4.934 ug/l
RT: 8.365 min Scan# 1090
Delta R.T. 0.000 min
Lab File: VN078923.D
Acq: 17 Aug 2023 13:51

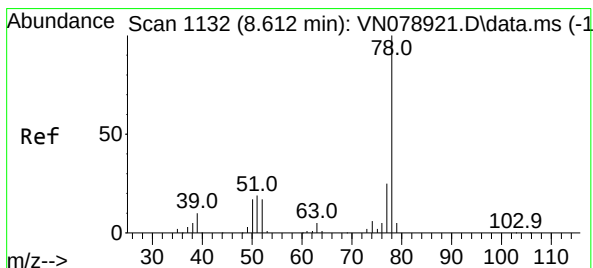
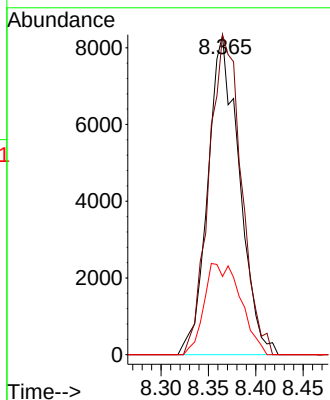
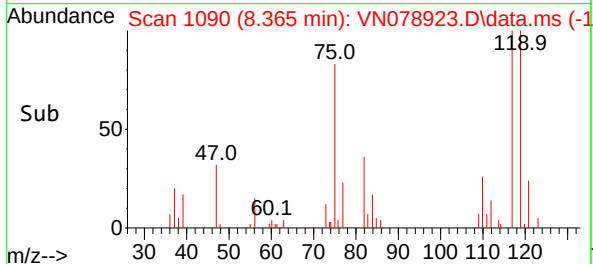
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



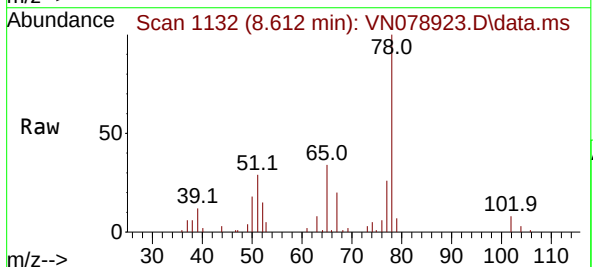
Tgt Ion:117 Resp: 19220
Ion Ratio Lower Upper
117 100
119 100.2 72.6 108.8
121 24.5 20.7 31.1

Manual Integrations
APPROVED

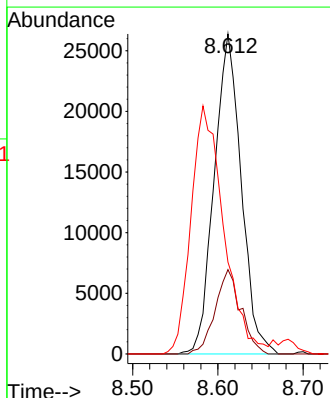
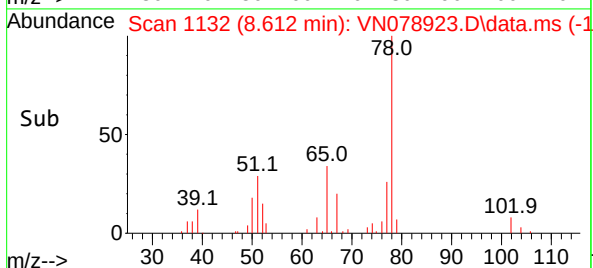
Reviewed By :John Carlone 08/18/2023
Supervised By :Semsettin Yesilyurt 08/18/2023

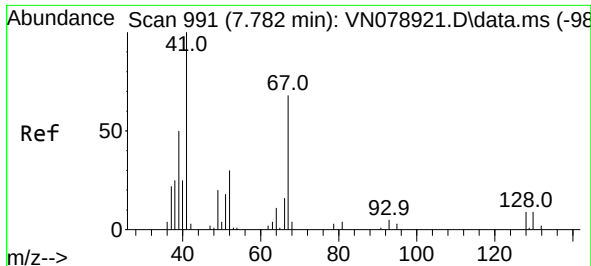


#34
Benzene
Concen: 5.153 ug/l
RT: 8.612 min Scan# 1132
Delta R.T. 0.000 min
Lab File: VN078923.D
Acq: 17 Aug 2023 13:51



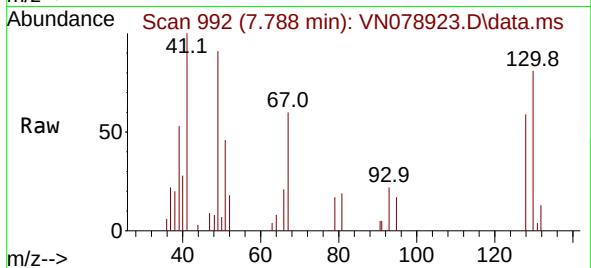
Tgt Ion: 78 Resp: 58169
Ion Ratio Lower Upper
78 100
77 26.3 19.9 29.9
51 25.9 14.8 22.2#





#35
Methacrylonitrile
Concen: 5.153 ug/l
RT: 7.788 min Scan# 991
Delta R.T. 0.006 min
Lab File: VN078923.D
Acq: 17 Aug 2023 13:51

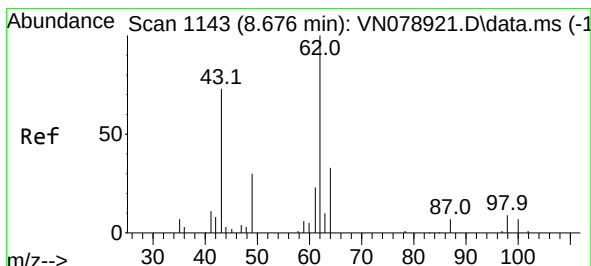
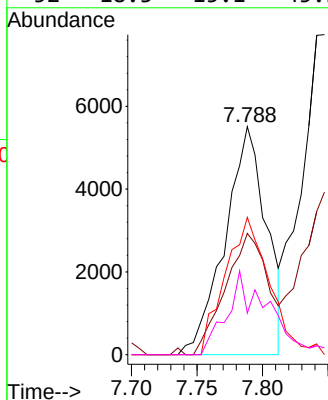
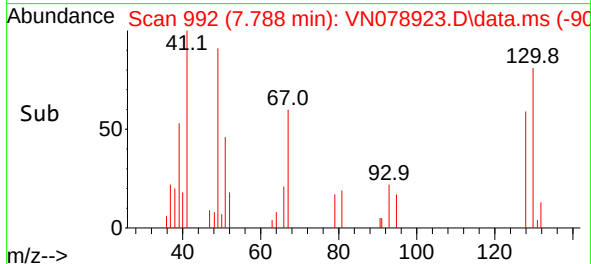
Instrument :
MSVOA_N
Client Sample Id :
VSTDIC005



Tgt Ion: 41 Resp: 1211
Ion Ratio Lower Upper
41 100
39 50.2 25.0 75.0
67 60.2 34.0 102.0
52 18.3 15.1 45.3

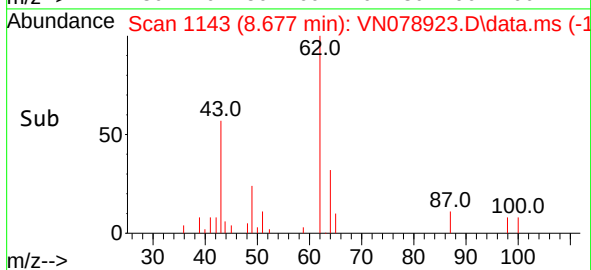
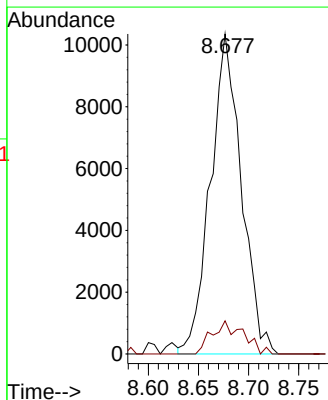
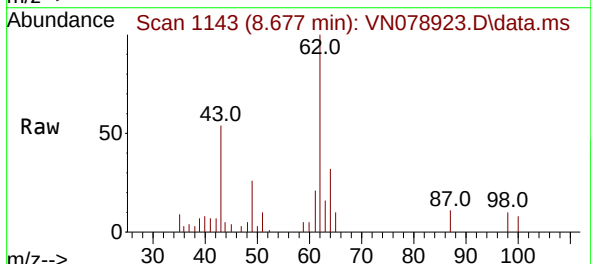
Manual Integrations
APPROVED

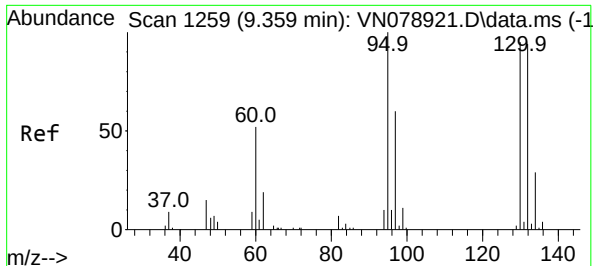
Reviewed By :John Carlone 08/18/2023
Supervised By :Semsettin Yesilyurt 08/18/2023



#36
1,2-Dichloroethane
Concen: 5.253 ug/l
RT: 8.677 min Scan# 1143
Delta R.T. 0.000 min
Lab File: VN078923.D
Acq: 17 Aug 2023 13:51

Tgt Ion: 62 Resp: 22203
Ion Ratio Lower Upper
62 100
98 3.8 8.1 12.1#





#37

Trichloroethene

Concen: 5.313 ug/l

RT: 9.359 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN078923.D

Acq: 17 Aug 2023 13:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion:130 Resp: 1492

Ion Ratio Lower Upper

130 100

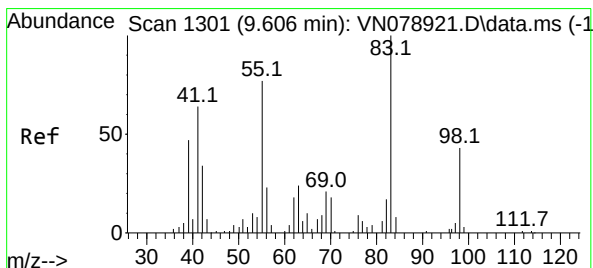
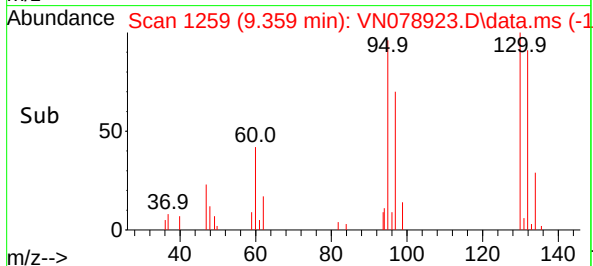
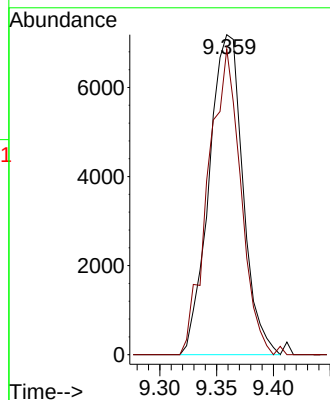
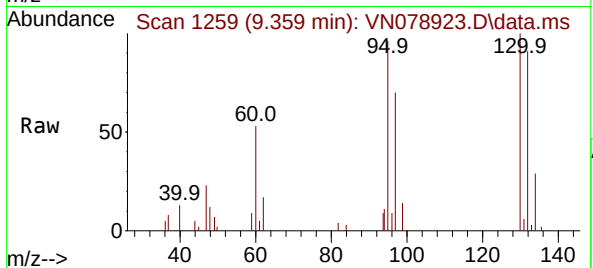
95 95.5 84.6 127.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/18/2023

Supervised By :Semsettin Yesilyurt 08/18/2023



#38

Methylcyclohexane

Concen: 5.207 ug/l

RT: 9.600 min Scan# 1300

Delta R.T. -0.006 min

Lab File: VN078923.D

Acq: 17 Aug 2023 13:51

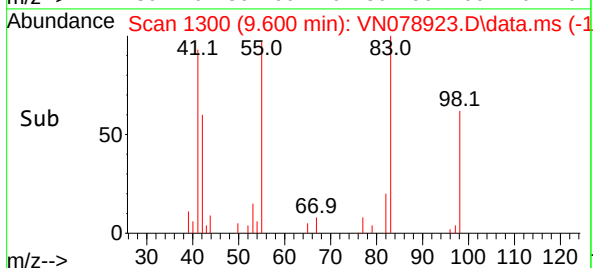
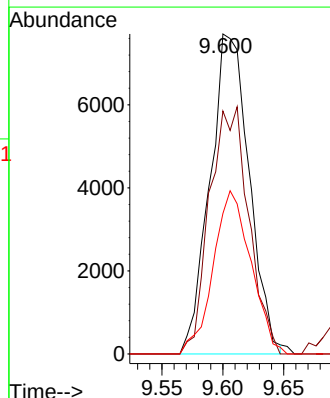
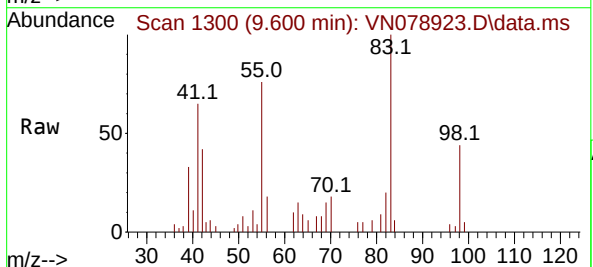
Tgt Ion: 83 Resp: 17266

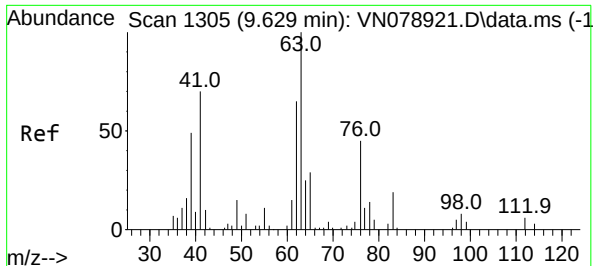
Ion Ratio Lower Upper

83 100

55 77.1 40.2 120.6

98 49.1 24.1 72.3





#39

1,2-Dichloropropane

Concen: 5.228 ug/l

RT: 9.629 min Scan# 1305

Delta R.T. 0.000 min

Lab File: VN078923.D

Acq: 17 Aug 2023 13:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion: 63 Resp: 1589

Ion Ratio Lower Upper

63 100

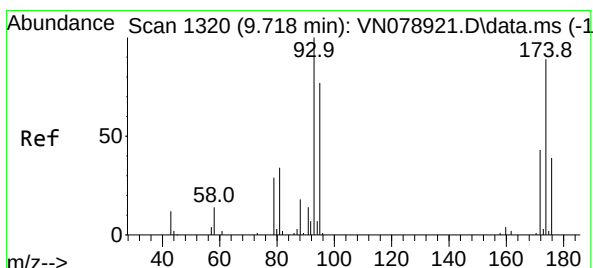
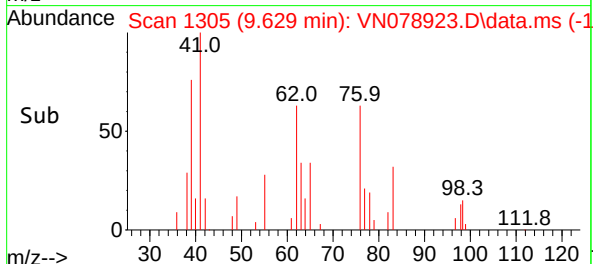
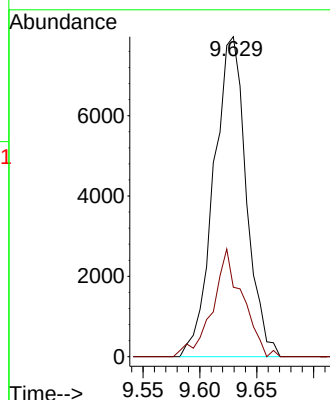
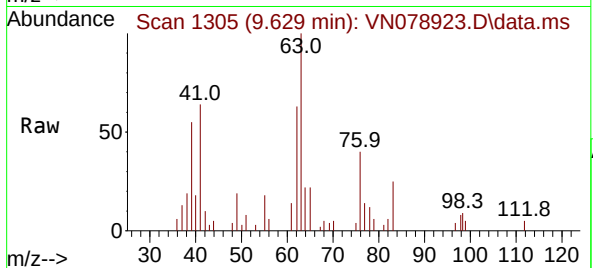
65 21.7 23.5 35.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/18/2023

Supervised By :Semsettin Yesilyurt 08/18/2023



#40

Dibromomethane

Concen: 5.095 ug/l

RT: 9.718 min Scan# 1320

Delta R.T. 0.000 min

Lab File: VN078923.D

Acq: 17 Aug 2023 13:51

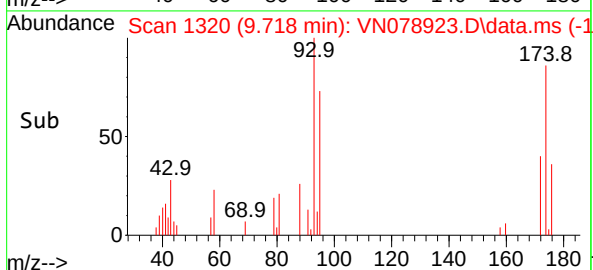
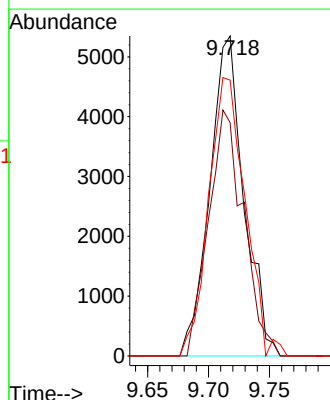
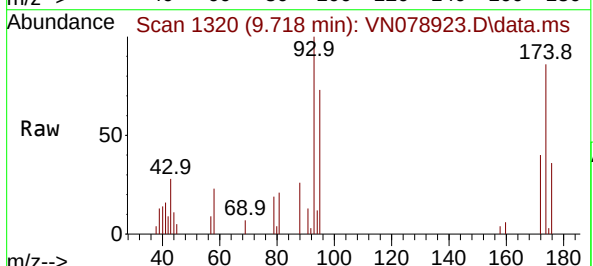
Tgt Ion: 93 Resp: 10383

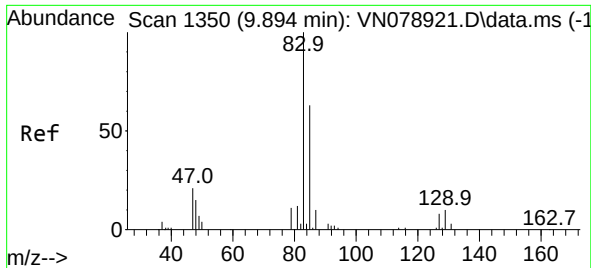
Ion Ratio Lower Upper

93 100

95 79.2 0.0 162.0

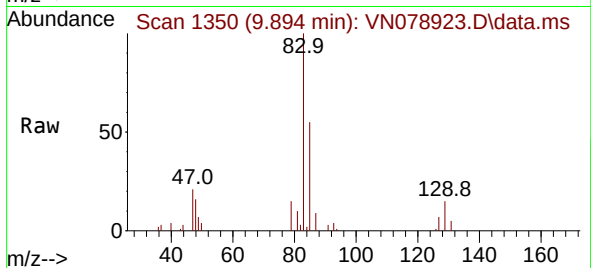
174 91.7 0.0 188.6





#41
Bromodichloromethane
Concen: 5.171 ug/l
RT: 9.894 min Scan# 1350
Delta R.T. 0.000 min
Lab File: VN078923.D
Acq: 17 Aug 2023 13:51

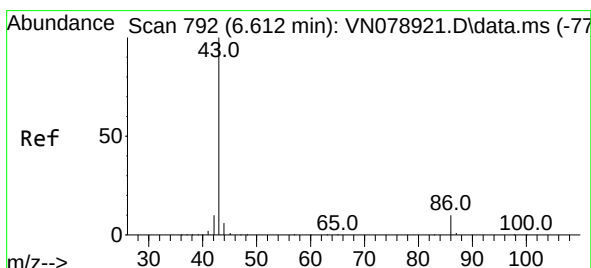
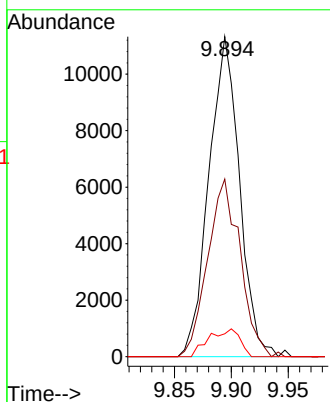
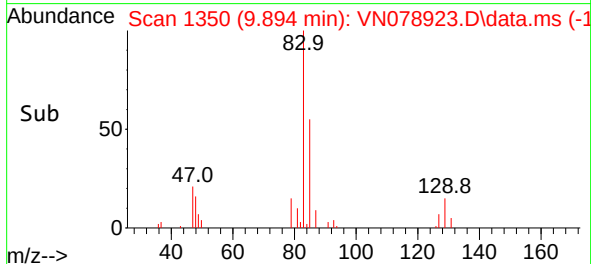
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



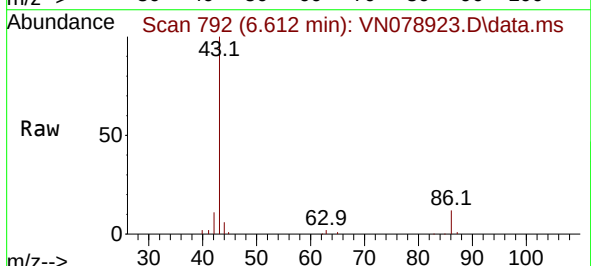
Tgt Ion: 83 Resp: 2119
Ion Ratio Lower Upper
83 100
85 55.5 50.2 75.2
127 7.1 6.2 9.4

Manual Integrations
APPROVED

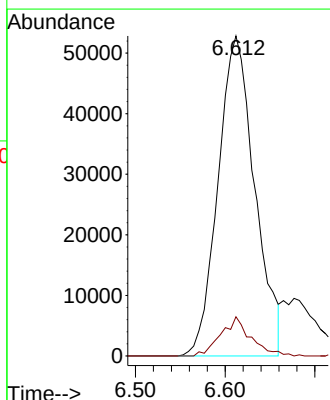
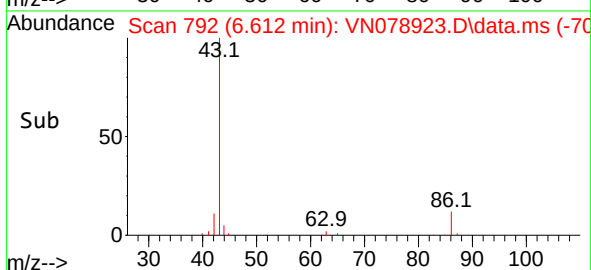
Reviewed By :John Carlone 08/18/2023
Supervised By :Semsettin Yesilyurt 08/18/2023

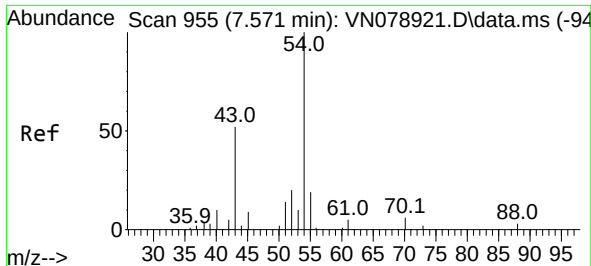


#42
Vinyl Acetate
Concen: 24.197 ug/l
RT: 6.612 min Scan# 792
Delta R.T. 0.000 min
Lab File: VN078923.D
Acq: 17 Aug 2023 13:51



Tgt Ion: 43 Resp: 150427
Ion Ratio Lower Upper
43 100
86 9.6 7.4 11.0





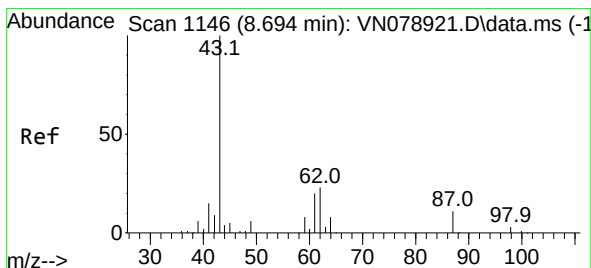
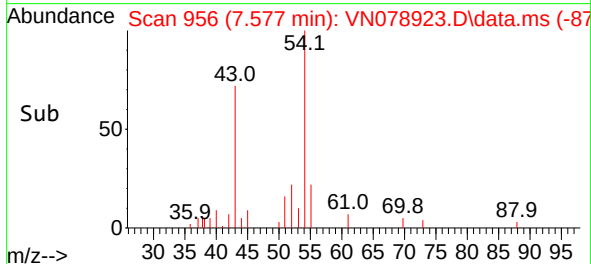
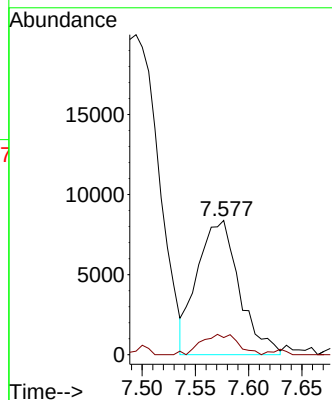
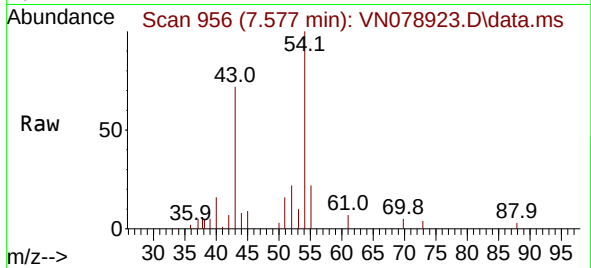
#43
Ethyl Acetate
Concen: 5.474 ug/l
RT: 7.577 min Scan# 911
Delta R.T. 0.006 min
Lab File: VN078923.D
Acq: 17 Aug 2023 13:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion: 43 Resp: 22950
Ion Ratio Lower Upper
43 100
45 12.9 9.6 14.4

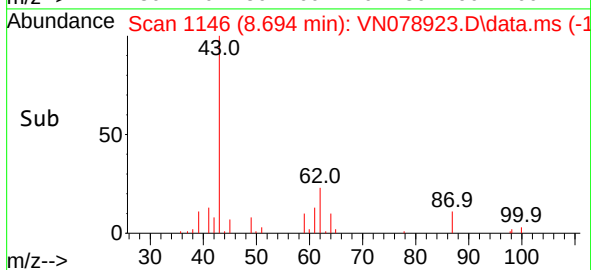
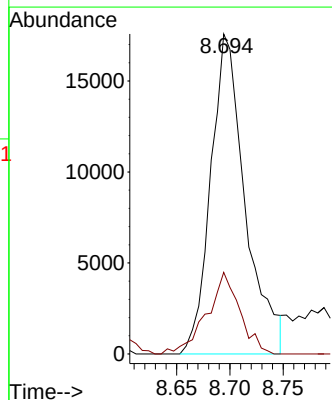
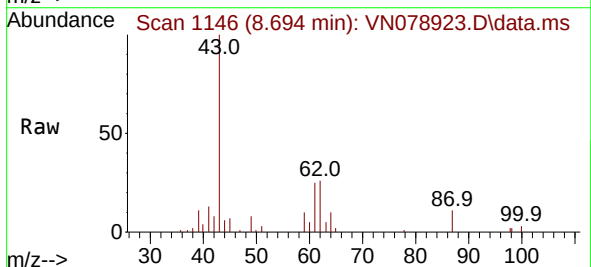
Manual Integrations
APPROVED

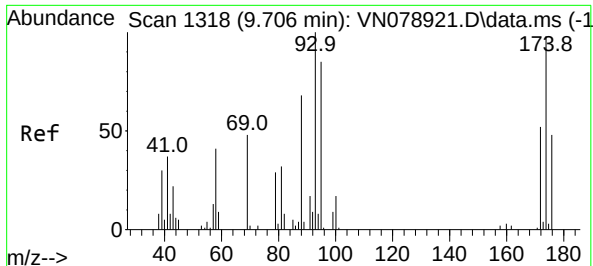
Reviewed By :John Carlone 08/18/2023
Supervised By :Semsettin Yesilyurt 08/18/2023



#44
Isopropyl Acetate
Concen: 5.255 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.000 min
Lab File: VN078923.D
Acq: 17 Aug 2023 13:51

Tgt Ion: 43 Resp: 39613
Ion Ratio Lower Upper
43 100
61 24.4 19.0 28.4





#45

1,4-Dioxane

Concen: 100.756 ug/l

RT: 9.706 min Scan# 1318

Delta R.T. 0.000 min

Lab File: VN078923.D

Acq: 17 Aug 2023 13:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC005

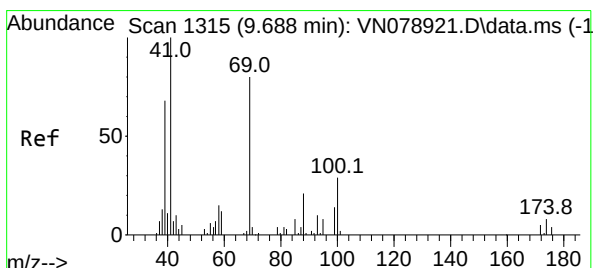
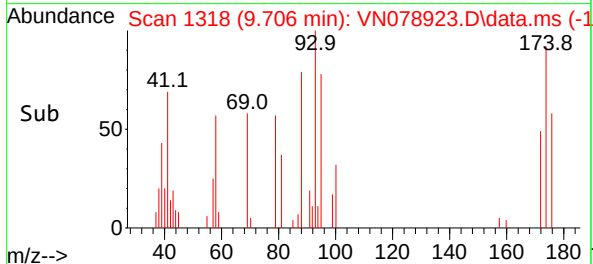
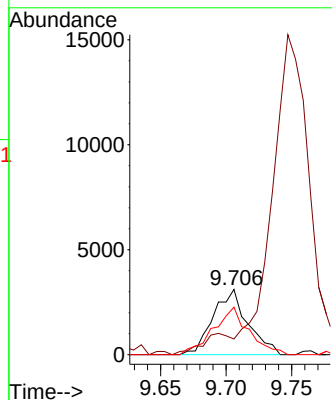
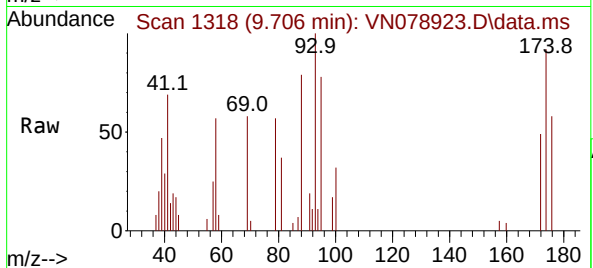
Tgt Ion: 88 Resp: 5715
 Ion Ratio Lower Upper
 88 100
 43 29.4 28.1 42.1
 58 74.5 57.0 85.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/18/2023

Supervised By :Semsettin Yesilyurt 08/18/2023



#46

Methyl methacrylate

Concen: 4.961 ug/l

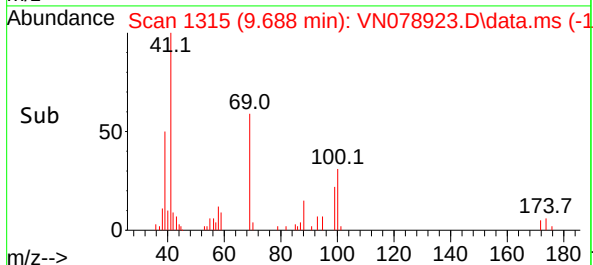
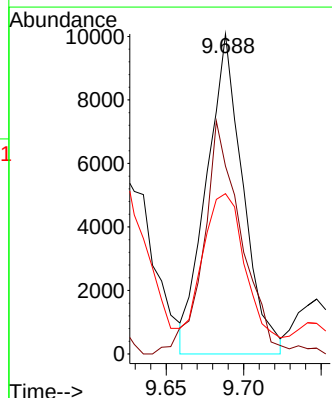
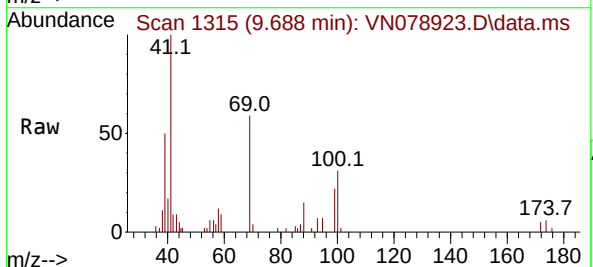
RT: 9.688 min Scan# 1315

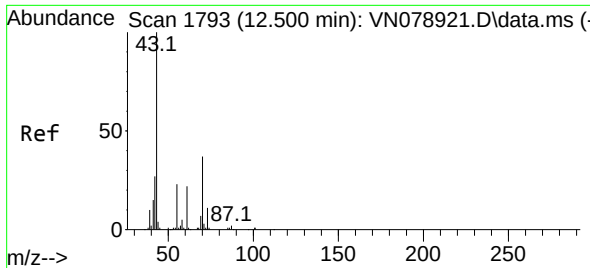
Delta R.T. 0.000 min

Lab File: VN078923.D

Acq: 17 Aug 2023 13:51

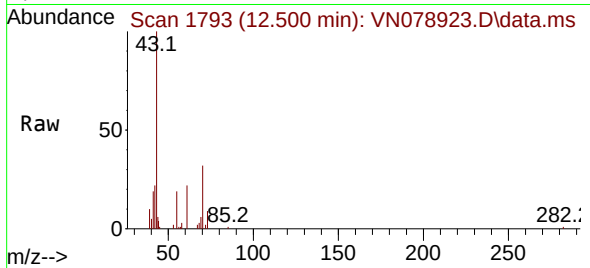
Tgt Ion: 41 Resp: 16474
 Ion Ratio Lower Upper
 41 100
 69 58.8 38.5 115.5
 39 47.2 35.9 107.8





#47
n-amy1 Acetate
Concen: 4.453 ug/l
RT: 12.500 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VN078923.D
Acq: 17 Aug 2023 13:51

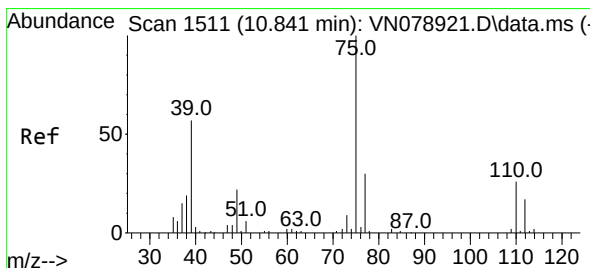
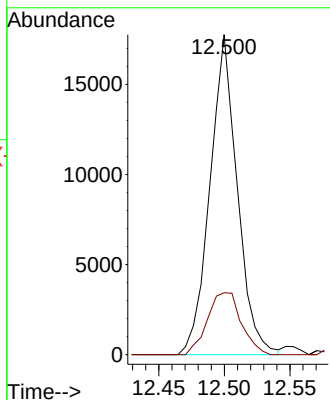
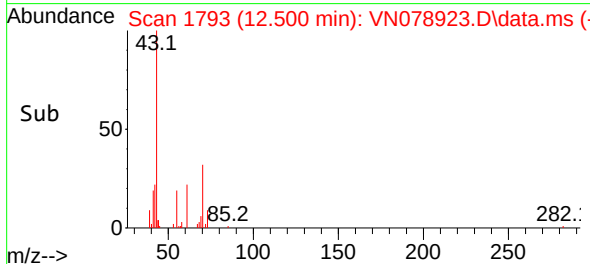
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005



Tgt Ion: 43 Resp: 25754
Ion Ratio Lower Upper
43 100
55 24.0 17.5 26.3

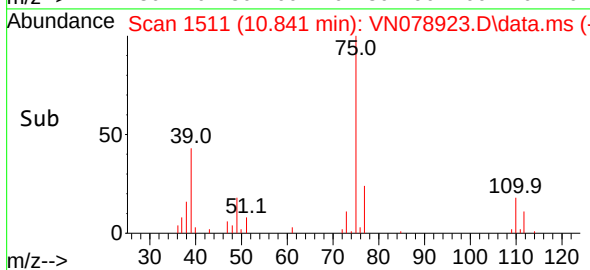
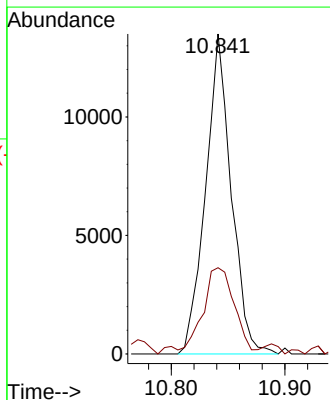
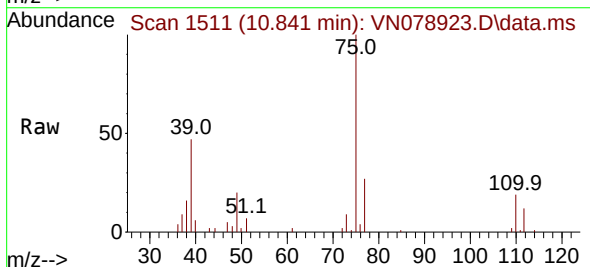
Manual Integrations
APPROVED

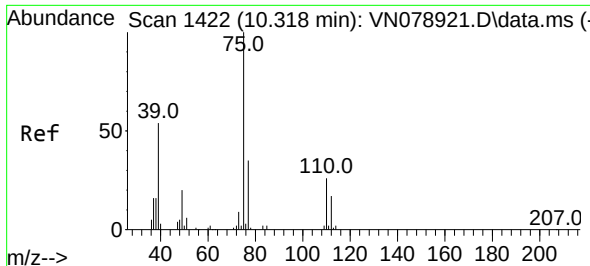
Reviewed By :John Carlone 08/18/2023
Supervised By :Semsettin Yesilyurt 08/18/2023



#48
t-1,3-Dichloropropene
Concen: 4.853 ug/l
RT: 10.841 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VN078923.D
Acq: 17 Aug 2023 13:51

Tgt Ion: 75 Resp: 21182
Ion Ratio Lower Upper
75 100
77 25.7 23.7 35.5





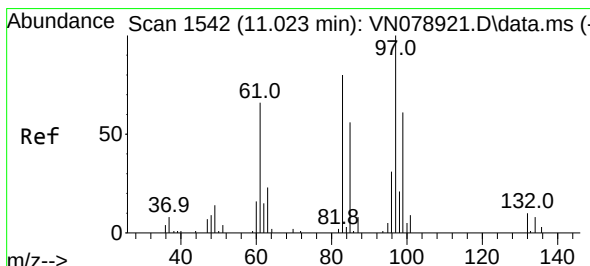
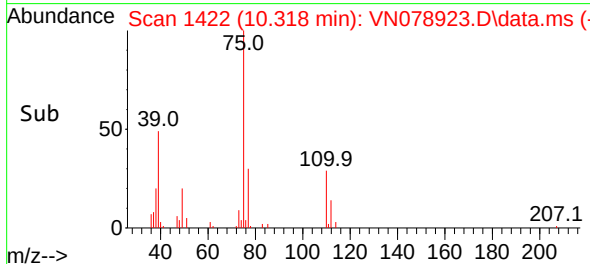
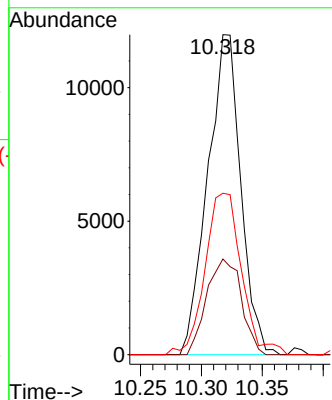
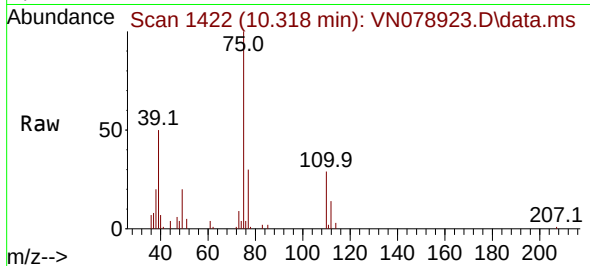
#49
 cis-1,3-Dichloropropene
 Concen: 4.833 ug/l
 RT: 10.318 min Scan# 1422
 Delta R.T. 0.000 min
 Lab File: VN078923.D
 Acq: 17 Aug 2023 13:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tgt Ion: 75 Resp: 22624
 Ion Ratio Lower Upper
 75 100
 77 29.9 27.8 41.8
 39 49.1 43.5 65.3

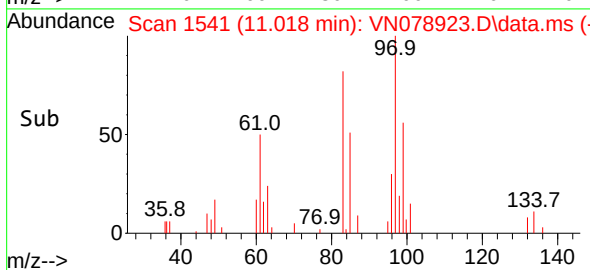
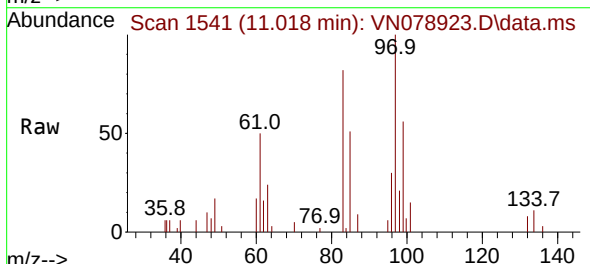
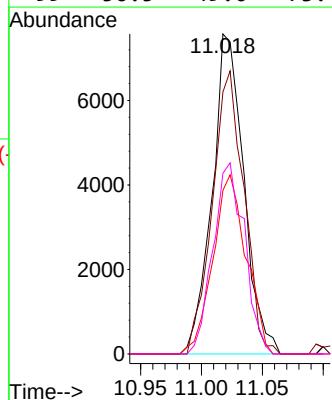
Manual Integrations
 APPROVED

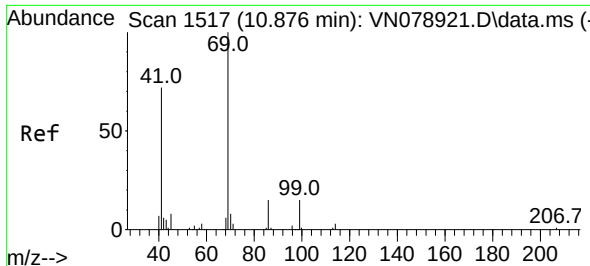
Reviewed By :John Carlone 08/18/2023
 Supervised By :Semsettin Yesilyurt 08/18/2023



#50
 1,1,2-Trichloroethane
 Concen: 4.971 ug/l
 RT: 11.018 min Scan# 1541
 Delta R.T. -0.006 min
 Lab File: VN078923.D
 Acq: 17 Aug 2023 13:51

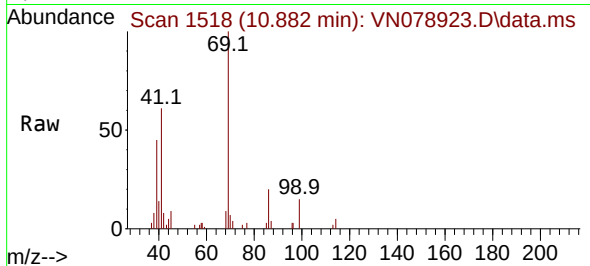
Tgt Ion: 97 Resp: 13692
 Ion Ratio Lower Upper
 97 100
 83 81.8 63.7 95.5
 85 51.1 44.9 67.3
 99 56.5 49.0 73.4





#51
Ethyl methacrylate
Concen: 4.635 ug/l
RT: 10.882 min Scan# 1518
Delta R.T. 0.006 min
Lab File: VN078923.D
Acq: 17 Aug 2023 13:51

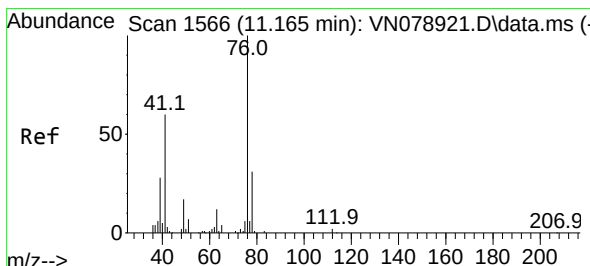
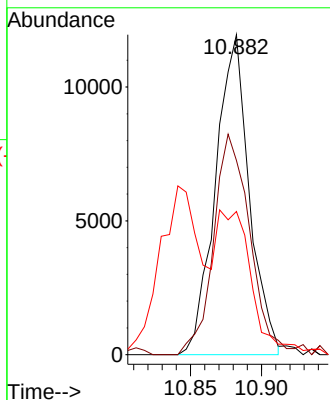
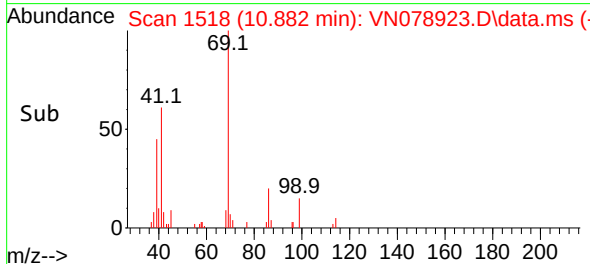
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



Tgt Ion: 69 Resp: 1975
Ion Ratio Lower Upper
69 100
41 60.7 35.9 107.8
39 41.4 23.5 70.5

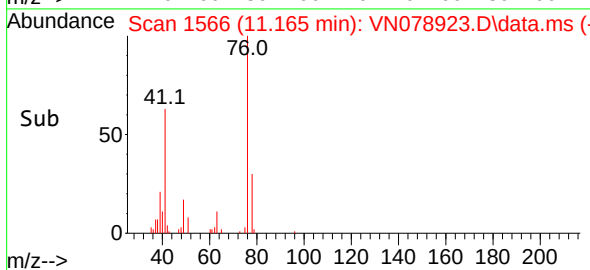
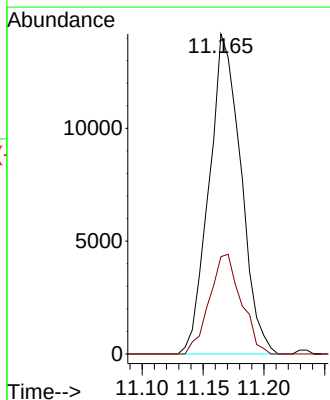
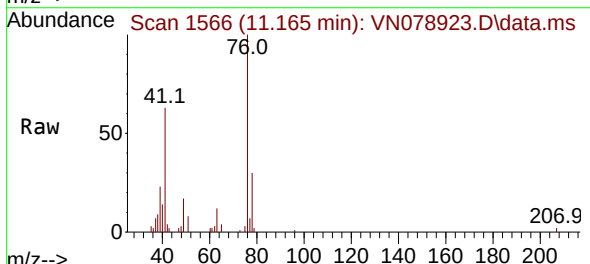
Manual Integrations
APPROVED

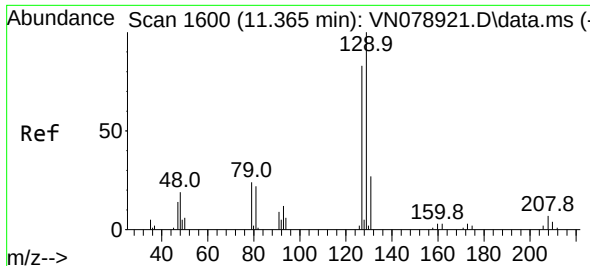
Reviewed By :John Carlone 08/18/2023
Supervised By :Semsettin Yesilyurt 08/18/2023



#52
1,3-Dichloropropane
Concen: 5.222 ug/l
RT: 11.165 min Scan# 1566
Delta R.T. 0.000 min
Lab File: VN078923.D
Acq: 17 Aug 2023 13:51

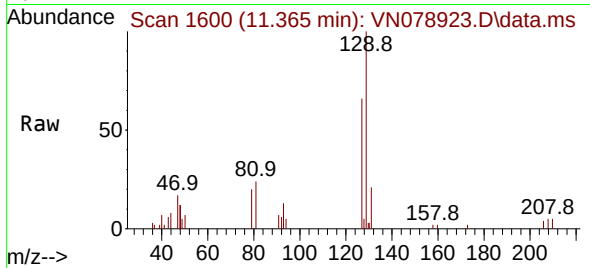
Tgt Ion: 76 Resp: 25762
Ion Ratio Lower Upper
76 100
78 31.2 0.0 64.6





#53
Dibromochloromethane
Concen: 5.093 ug/l
RT: 11.365 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VN078923.D
Acq: 17 Aug 2023 13:51

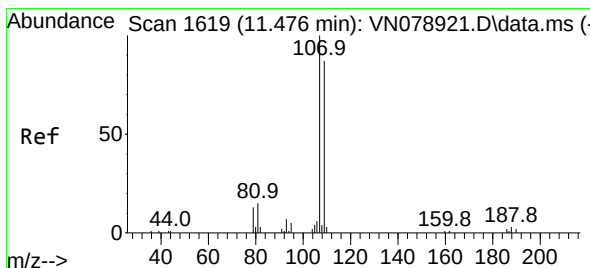
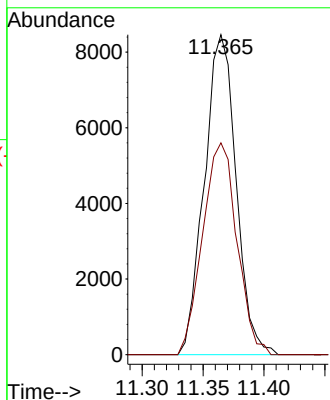
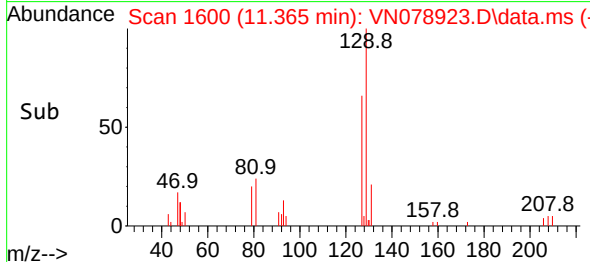
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



Tgt Ion:129 Resp: 1535
Ion Ratio Lower Upper
129 100
127 71.5 40.1 120.2

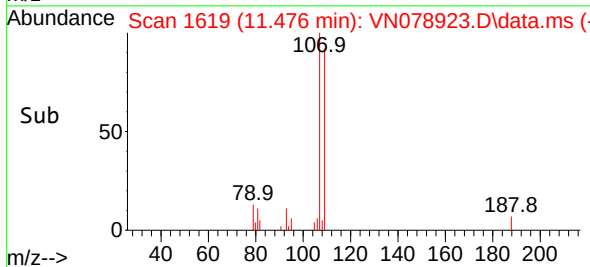
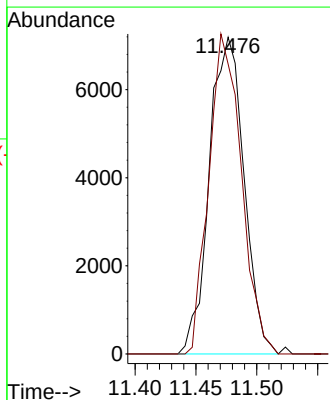
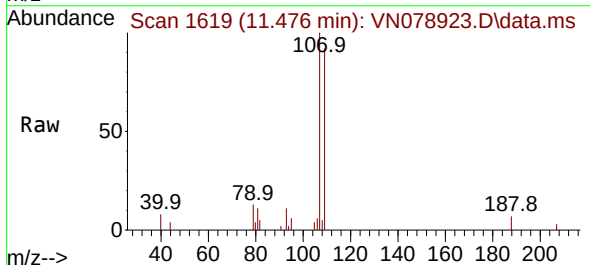
Manual Integrations
APPROVED

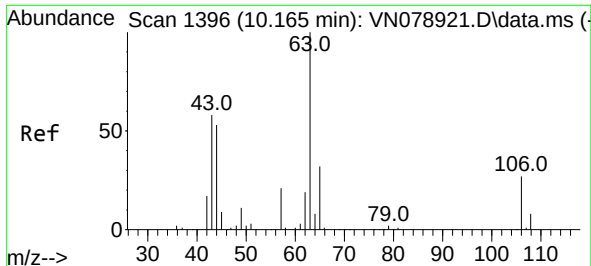
Reviewed By :John Carlone 08/18/2023
Supervised By :Semsettin Yesilyurt 08/18/2023



#54
1,2-Dibromoethane
Concen: 5.047 ug/l
RT: 11.476 min Scan# 1619
Delta R.T. 0.000 min
Lab File: VN078923.D
Acq: 17 Aug 2023 13:51

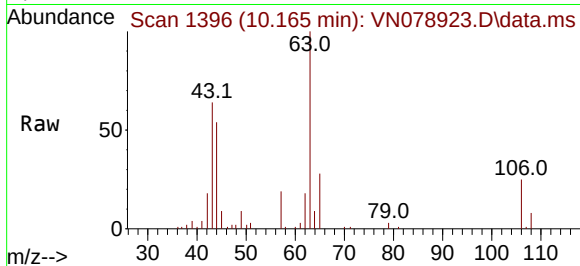
Tgt Ion:107 Resp: 14271
Ion Ratio Lower Upper
107 100
109 94.7 71.7 107.5





#55
2-Chloroethyl vinyl ether
Concen: 23.734 ug/l
RT: 10.165 min Scan# 1396
Delta R.T. 0.000 min
Lab File: VN078923.D
Acq: 17 Aug 2023 13:51

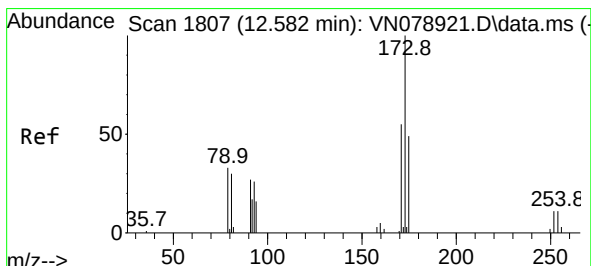
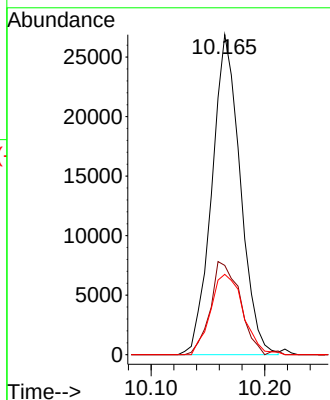
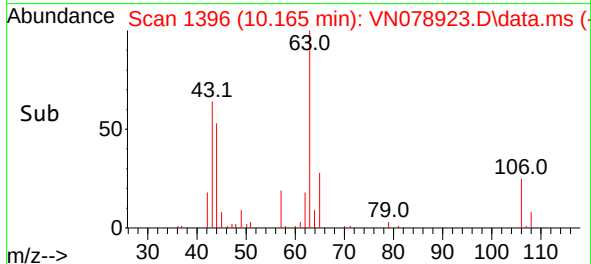
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



Tgt Ion: 63 Resp: 46764
Ion Ratio Lower Upper
63 100
65 30.1 25.4 38.2
106 28.6 22.3 33.5

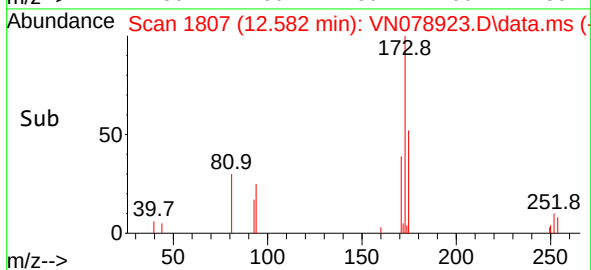
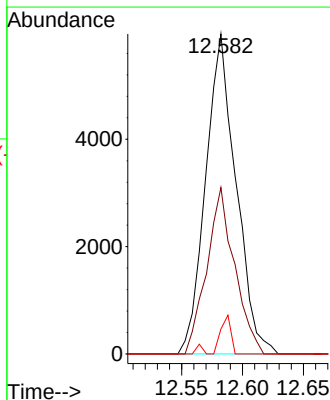
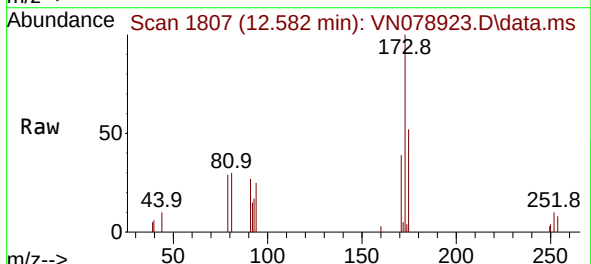
Manual Integrations
APPROVED

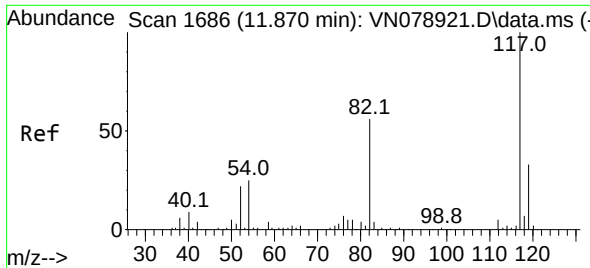
Reviewed By :John Carlone 08/18/2023
Supervised By :Semsettin Yesilyurt 08/18/2023



#56
Bromoform
Concen: 4.855 ug/l
RT: 12.582 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VN078923.D
Acq: 17 Aug 2023 13:51

Tgt Ion:173 Resp: 10325
Ion Ratio Lower Upper
173 100
175 47.6 38.8 58.2
254 4.1 7.6 11.4#





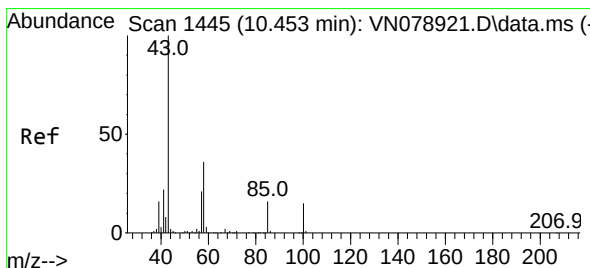
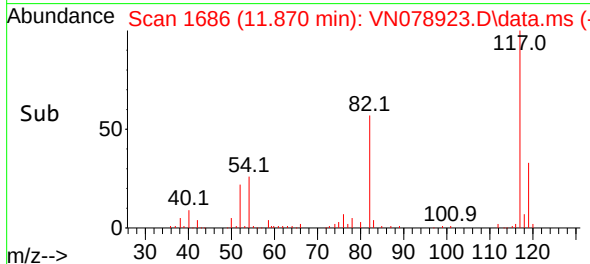
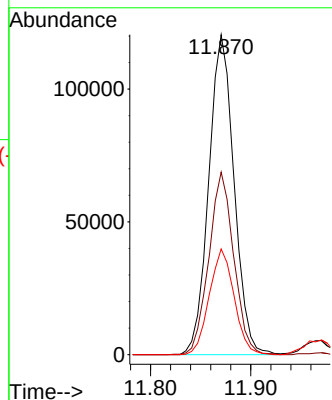
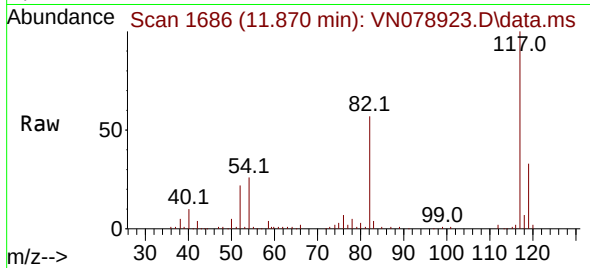
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.870 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN078923.D
Acq: 17 Aug 2023 13:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:117 Resp: 21174
Ion Ratio Lower Upper
117 100
82 56.0 43.4 65.0
119 32.4 25.5 38.3

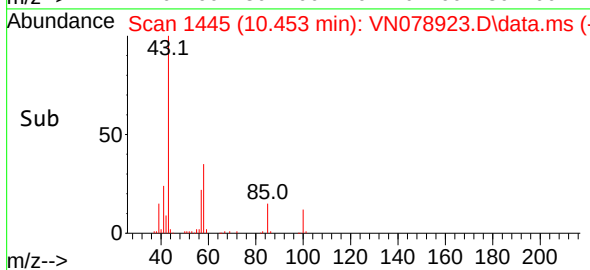
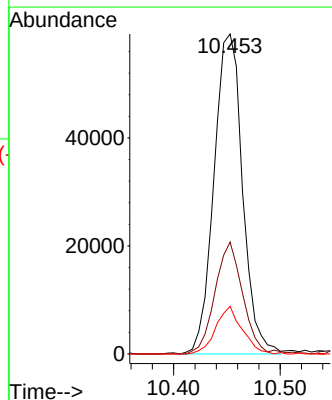
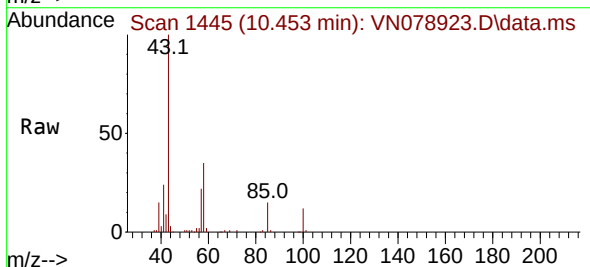
Manual Integrations
APPROVED

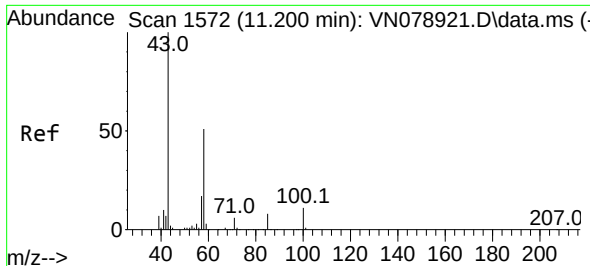
Reviewed By :John Carlone 08/18/2023
Supervised By :Semsettin Yesilyurt 08/18/2023



#58
4-Methyl-2-Pentanone
Concen: 26.248 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. 0.000 min
Lab File: VN078923.D
Acq: 17 Aug 2023 13:51

Tgt Ion: 43 Resp: 110268
Ion Ratio Lower Upper
43 100
58 33.6 28.8 43.2
85 13.7 12.7 19.1





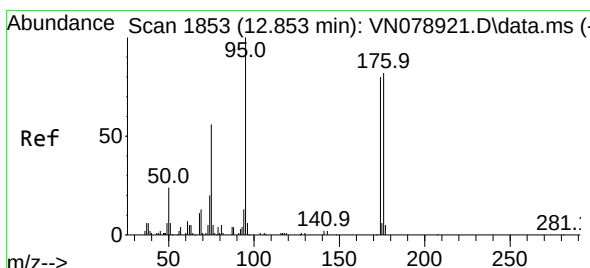
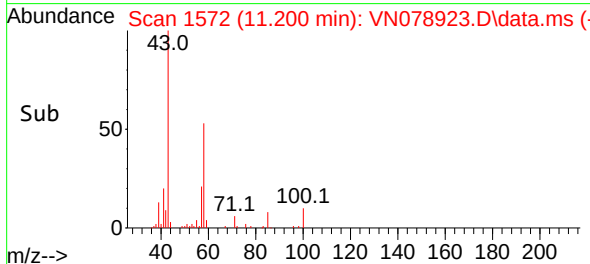
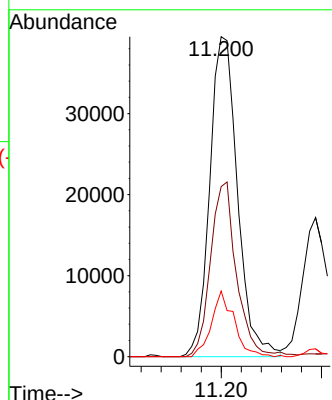
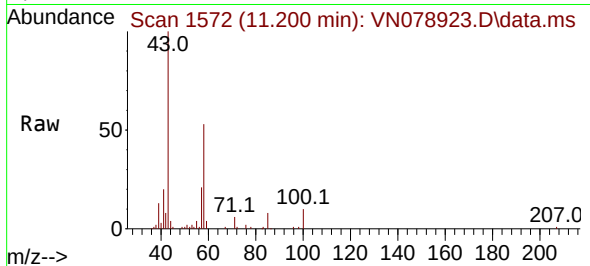
#59
2-Hexanone
Concen: 24.660 ug/l
RT: 11.200 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN078923.D
Acq: 17 Aug 2023 13:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion: 43 Resp: 75900
Ion Ratio Lower Upper
43 100
58 50.6 40.6 60.8
57 16.8 13.6 20.4

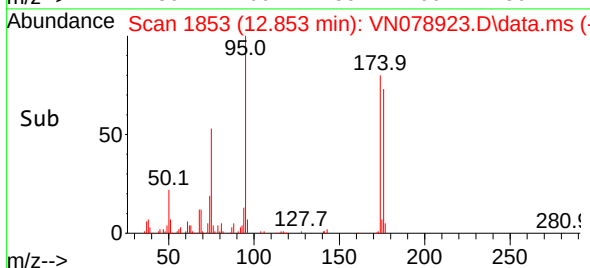
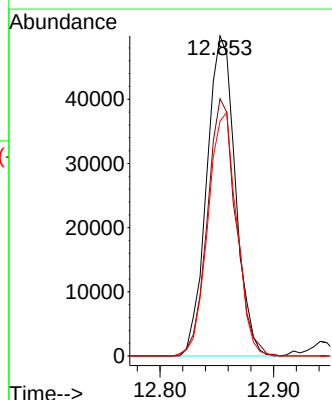
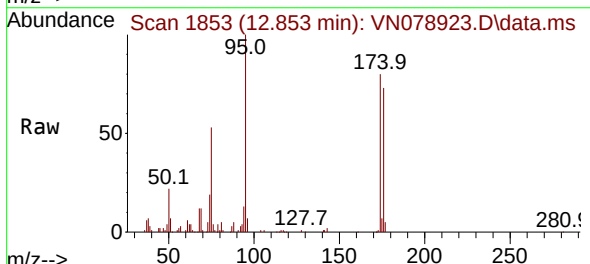
Manual Integrations
APPROVED

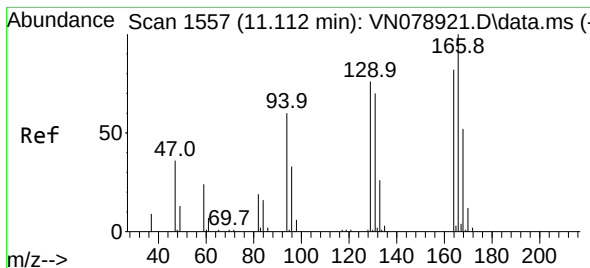
Reviewed By :John Carlone 08/18/2023
Supervised By :Semsettin Yesilyurt 08/18/2023



#60
4-Bromofluorobenzene
Concen: 28.297 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN078923.D
Acq: 17 Aug 2023 13:51

Tgt Ion: 95 Resp: 87401
Ion Ratio Lower Upper
95 100
174 79.9 64.8 97.2
176 76.4 63.0 94.6





#61

Tetrachloroethene

Concen: 5.185 ug/l

RT: 11.112 min Scan# 1557

Delta R.T. 0.000 min

Lab File: VN078923.D

Acq: 17 Aug 2023 13:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion:164 Resp: 1063

Ion Ratio Lower Upper

164 100

166 142.2 97.6 146.4

129 102.4 74.1 111.1

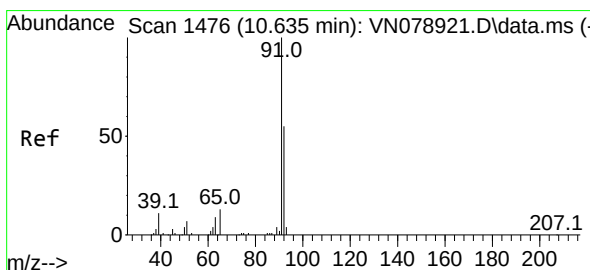
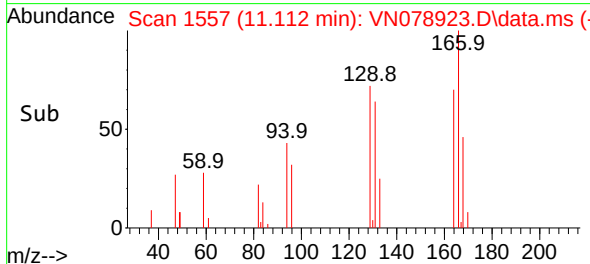
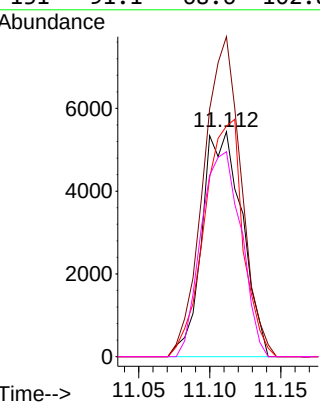
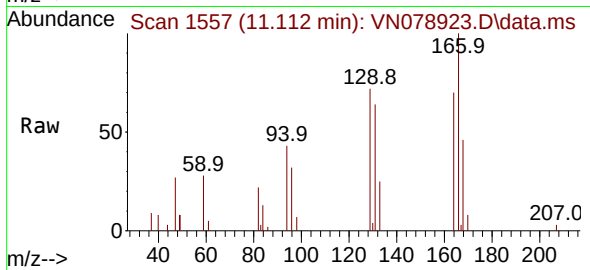
131 91.1 68.6 102.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/18/2023

Supervised By :Semsettin Yesilyurt 08/18/2023



#62

Toluene

Concen: 5.186 ug/l

RT: 10.635 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VN078923.D

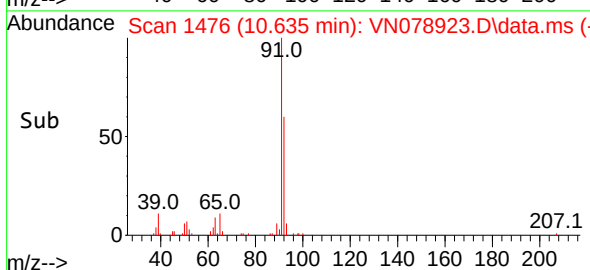
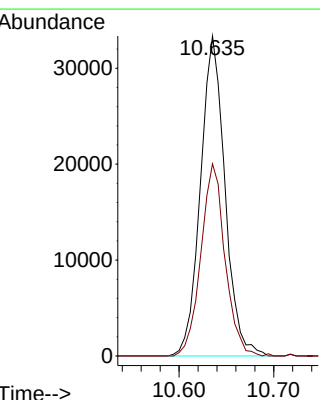
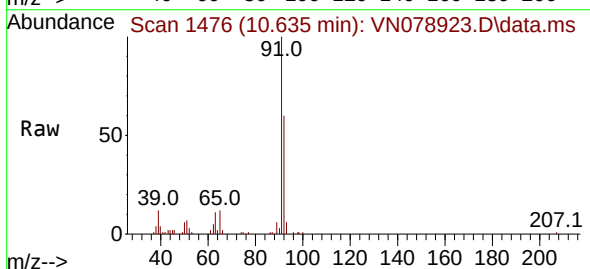
Acq: 17 Aug 2023 13:51

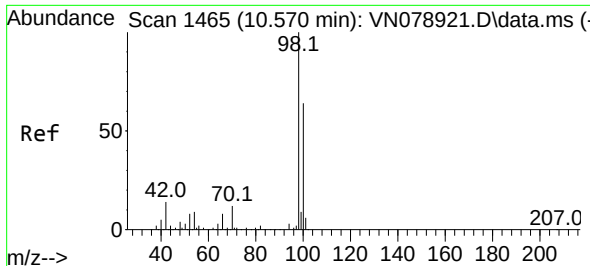
Tgt Ion: 91 Resp: 59956

Ion Ratio Lower Upper

91 100

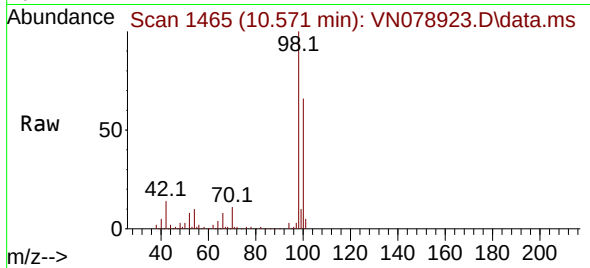
92 59.1 44.7 67.1





#63
Toluene-d8
Concen: 30.671 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN078923.D
Acq: 17 Aug 2023 13:51

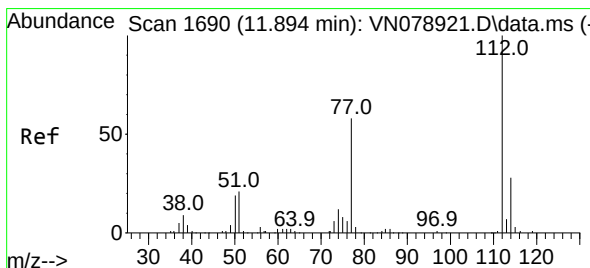
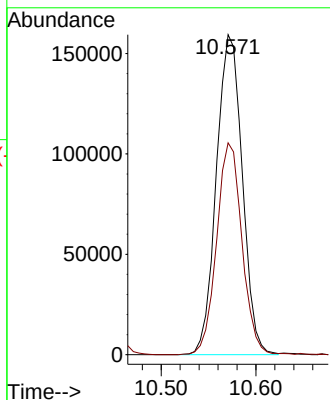
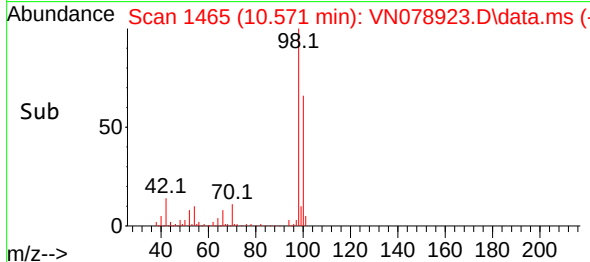
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



Tgt Ion: 98 Resp: 30328
Ion Ratio Lower Upper
98 100
100 64.6 51.1 76.7

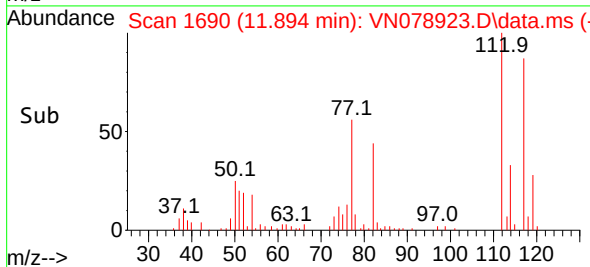
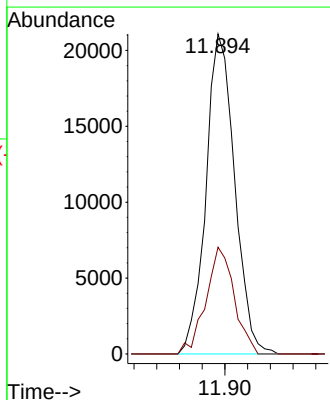
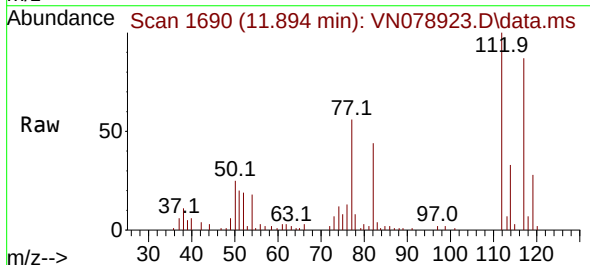
Manual Integrations
APPROVED

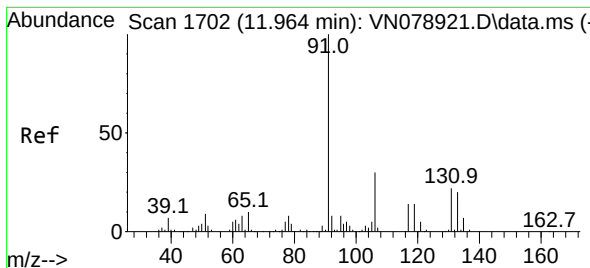
Reviewed By :John Carlone 08/18/2023
Supervised By :Semsettin Yesilyurt 08/18/2023



#64
Chlorobenzene
Concen: 5.329 ug/l
RT: 11.894 min Scan# 1690
Delta R.T. 0.000 min
Lab File: VN078923.D
Acq: 17 Aug 2023 13:51

Tgt Ion:112 Resp: 37038
Ion Ratio Lower Upper
112 100
114 33.3 22.4 33.6





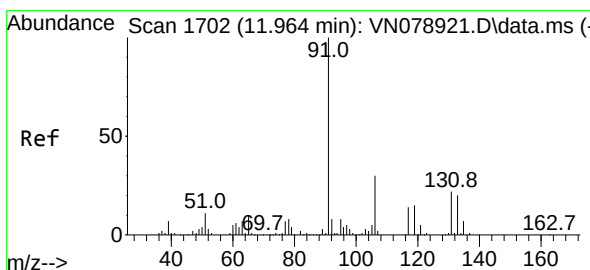
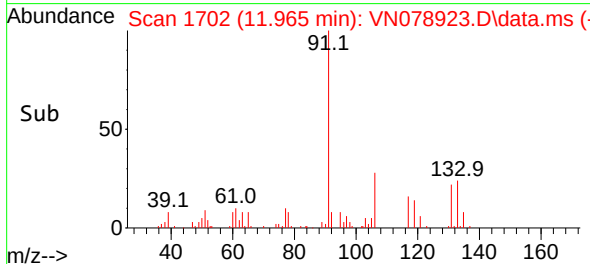
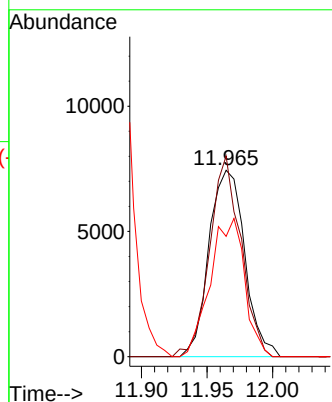
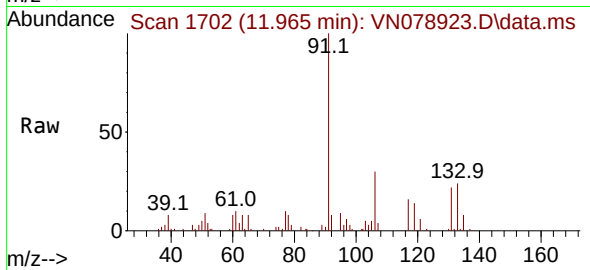
#65
1,1,1,2-Tetrachloroethane
Concen: 5.308 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. 0.000 min
Lab File: VN078923.D
Acq: 17 Aug 2023 13:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion:131 Resp: 14100
Ion Ratio Lower Upper
131 100
133 93.8 0.0 184.8
119 71.4 0.0 133.4

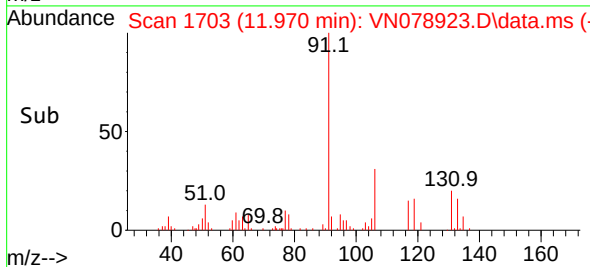
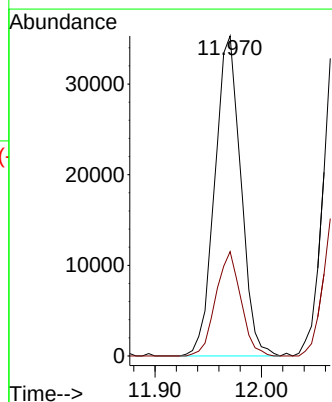
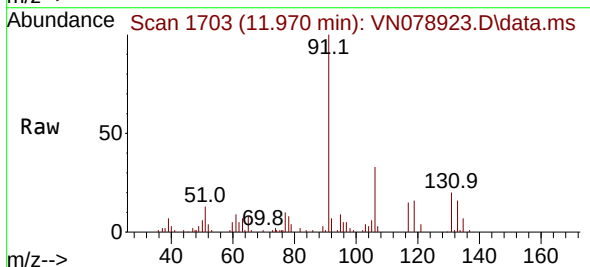
Manual Integrations
APPROVED

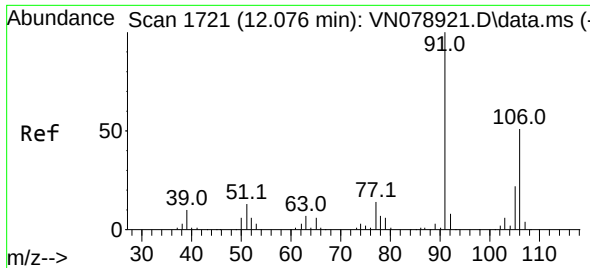
Reviewed By :John Carlone 08/18/2023
Supervised By :Semsettin Yesilyurt 08/18/2023



#66
Ethyl Benzene
Concen: 4.958 ug/l
RT: 11.970 min Scan# 1703
Delta R.T. 0.006 min
Lab File: VN078923.D
Acq: 17 Aug 2023 13:51

Tgt Ion: 91 Resp: 59949
Ion Ratio Lower Upper
91 100
106 32.6 24.1 36.1





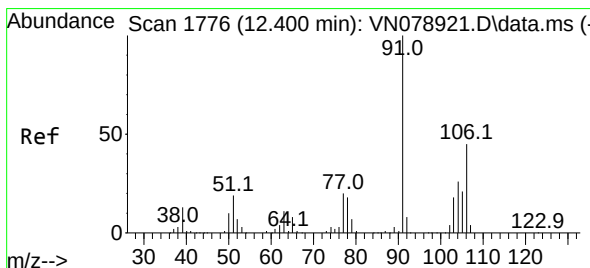
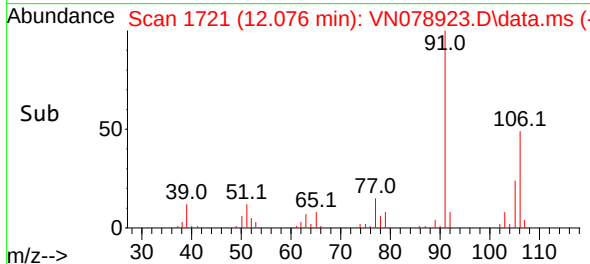
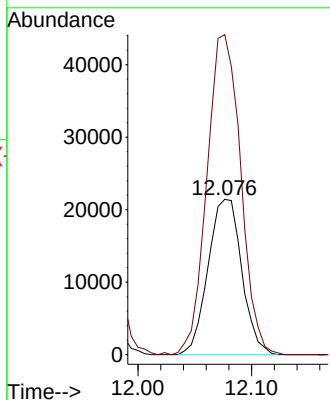
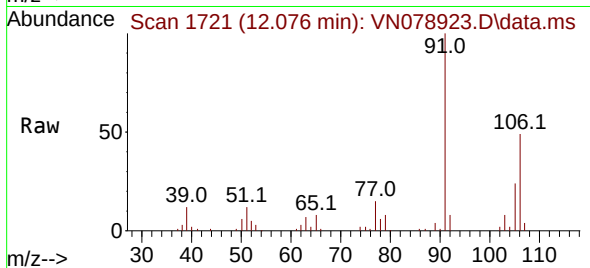
#67
m/p-Xylenes
Concen: 9.804 ug/l
RT: 12.076 min Scan# 1721
Delta R.T. 0.000 min
Lab File: VN078923.D
Acq: 17 Aug 2023 13:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion:106 Resp: 4420
Ion Ratio Lower Upper
106 100
91 206.2 161.2 241.8

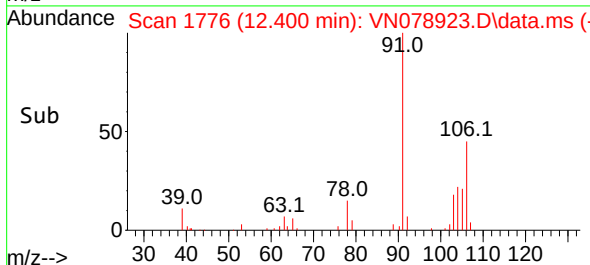
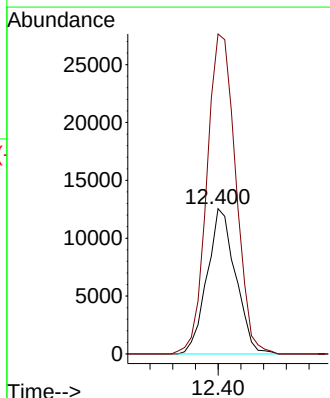
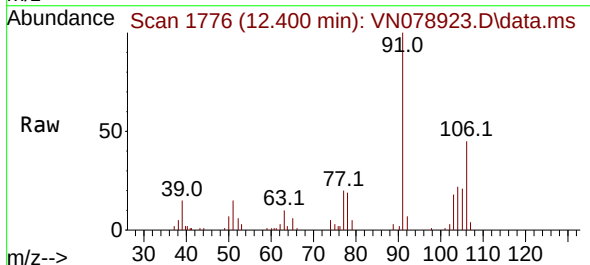
Manual Integrations
APPROVED

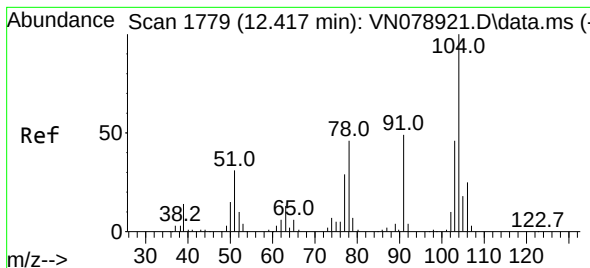
Reviewed By :John Carlone 08/18/2023
Supervised By :Semsettin Yesilyurt 08/18/2023



#68
o-Xylene
Concen: 4.926 ug/l
RT: 12.400 min Scan# 1776
Delta R.T. 0.000 min
Lab File: VN078923.D
Acq: 17 Aug 2023 13:51

Tgt Ion:106 Resp: 21896
Ion Ratio Lower Upper
106 100
91 222.7 109.0 327.0





#69

Styrene

Concen: 4.654 ug/l

RT: 12.417 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN078923.D

Acq: 17 Aug 2023 13:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC005

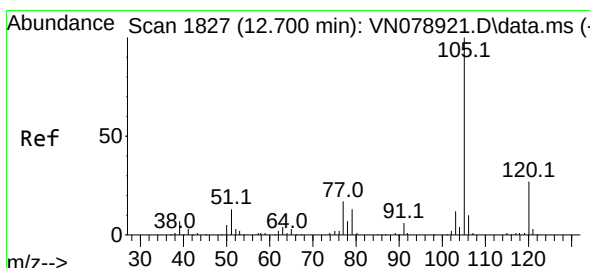
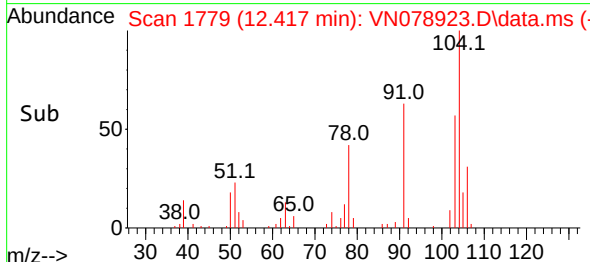
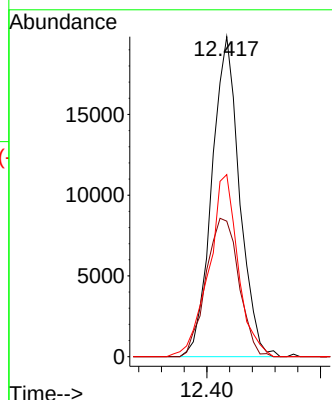
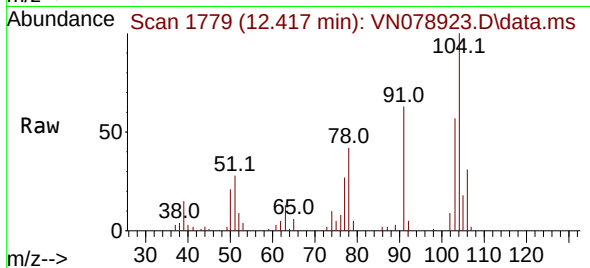
Tgt Ion:104 Resp: 33610
 Ion Ratio Lower Upper
 104 100
 78 51.1 40.2 60.4
 103 59.8 43.2 64.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/18/2023

Supervised By :Semsettin Yesilyurt 08/18/2023



#70

Isopropylbenzene

Concen: 4.922 ug/l

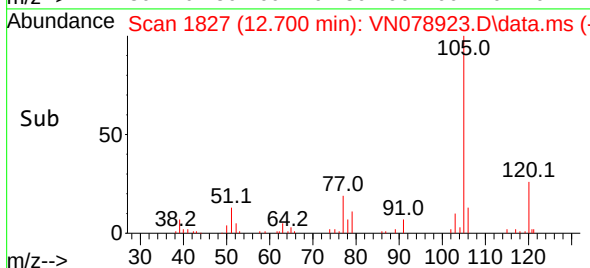
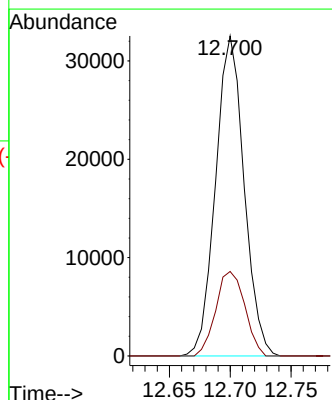
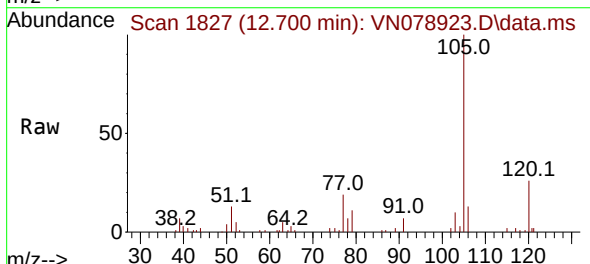
RT: 12.700 min Scan# 1827

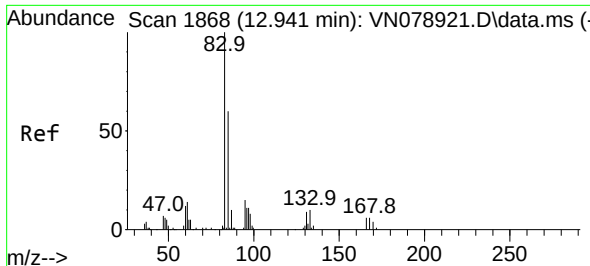
Delta R.T. 0.000 min

Lab File: VN078923.D

Acq: 17 Aug 2023 13:51

Tgt Ion:105 Resp: 53017
 Ion Ratio Lower Upper
 105 100
 120 26.9 19.1 35.5





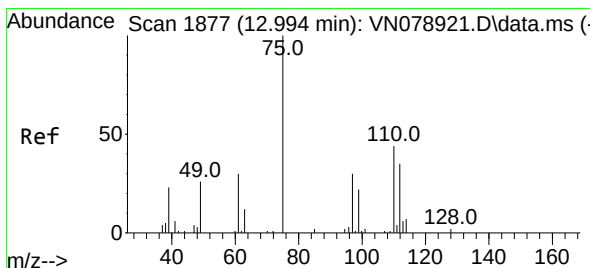
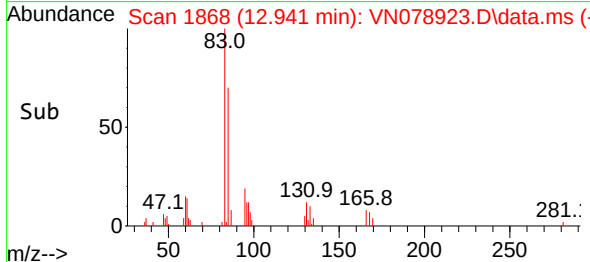
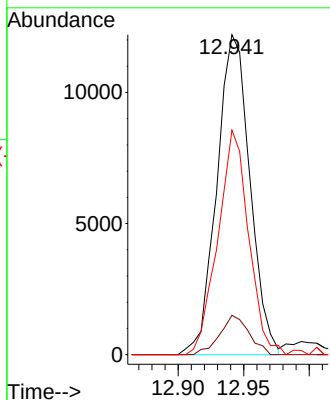
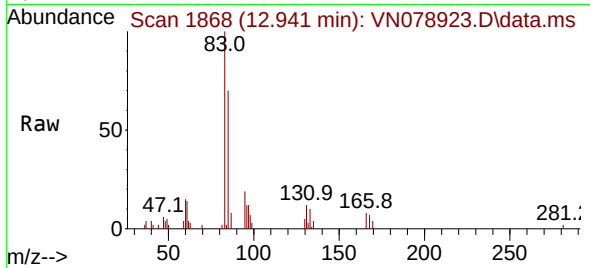
#71
1,1,2,2-Tetrachloroethane
Concen: 5.303 ug/l
RT: 12.941 min Scan# 1868
Delta R.T. 0.000 min
Lab File: VN078923.D
Acq: 17 Aug 2023 13:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 83 Resp: 2141
Ion Ratio Lower Upper
83 100
131 10.9 4.7 14.0
85 65.2 31.9 95.7

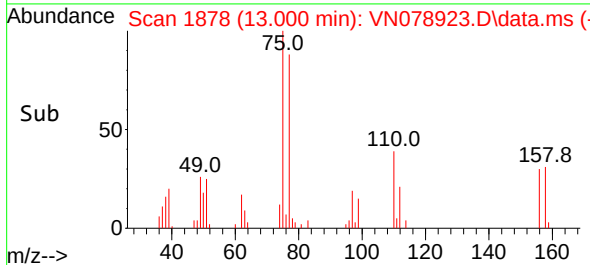
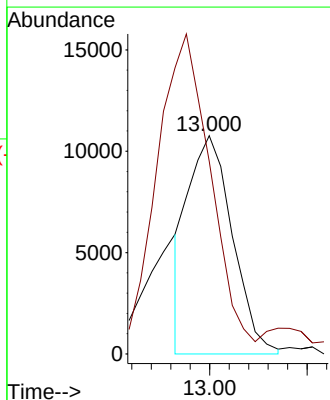
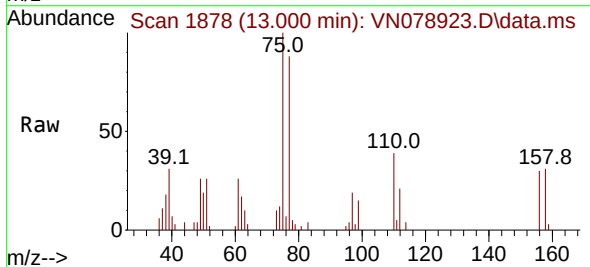
Manual Integrations
APPROVED

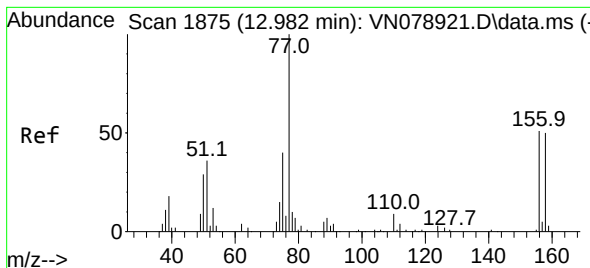
Reviewed By :John Carlone 08/18/2023
Supervised By :Semsettin Yesilyurt 08/18/2023



#72
1,2,3-Trichloropropane
Concen: 4.825 ug/l m
RT: 13.000 min Scan# 1878
Delta R.T. 0.006 min
Lab File: VN078923.D
Acq: 17 Aug 2023 13:51

Tgt Ion: 75 Resp: 17071
Ion Ratio Lower Upper
75 100
77 179.7 0.0 367.4





#73

Bromobenzene

Concen: 4.985 ug/l

RT: 12.988 min Scan# 1876

Delta R.T. 0.006 min

Lab File: VN078923.D

Acq: 17 Aug 2023 13:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

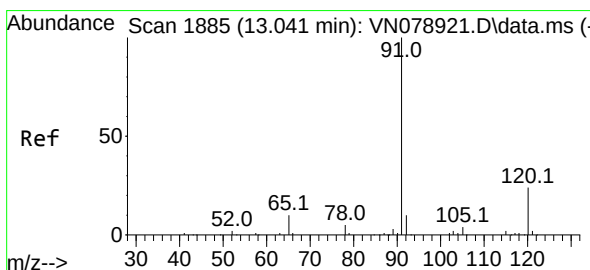
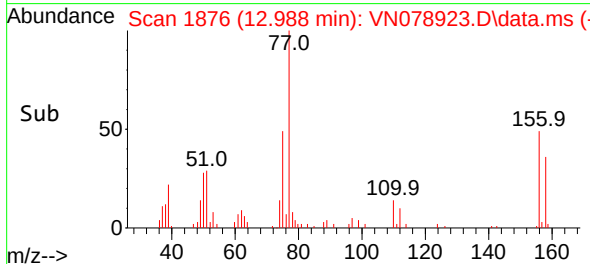
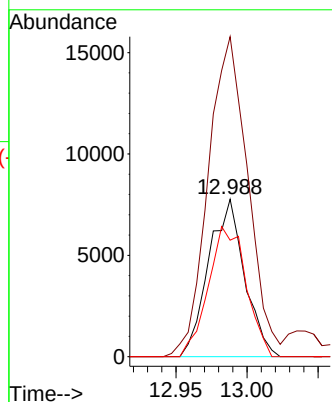
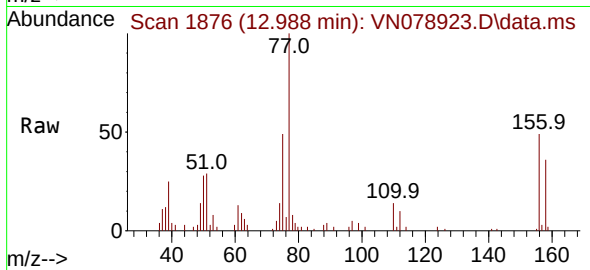
Tgt Ion:	156	Resp:	1367
Ion Ratio	Lower	Upper	
156	100		
77	224.4	0.0	431.0
158	86.7	0.0	196.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/18/2023

Supervised By :Semsettin Yesilyurt 08/18/2023



#74

n-propylbenzene

Concen: 4.681 ug/l

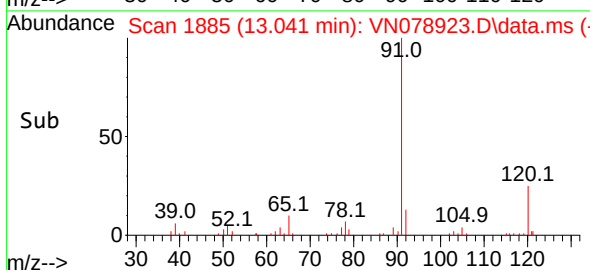
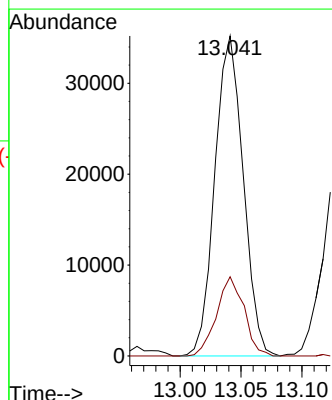
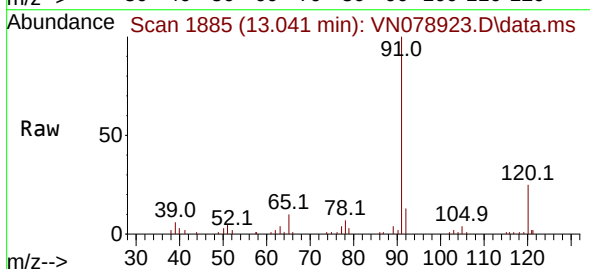
RT: 13.041 min Scan# 1885

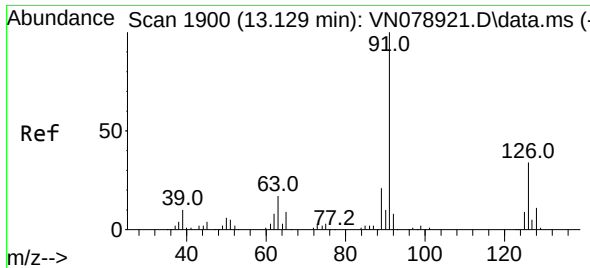
Delta R.T. 0.000 min

Lab File: VN078923.D

Acq: 17 Aug 2023 13:51

Tgt Ion:	91	Resp:	57148
Ion Ratio	Lower	Upper	
91	100		
120	23.9	0.0	44.4





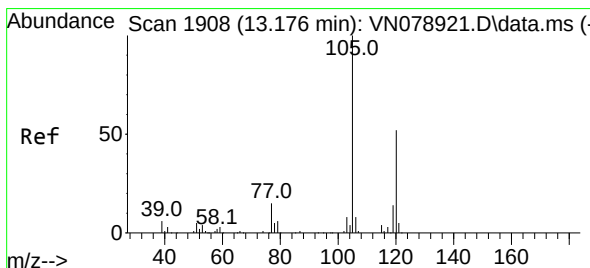
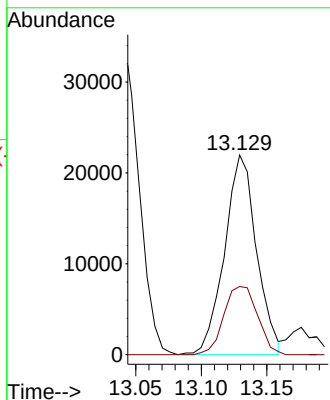
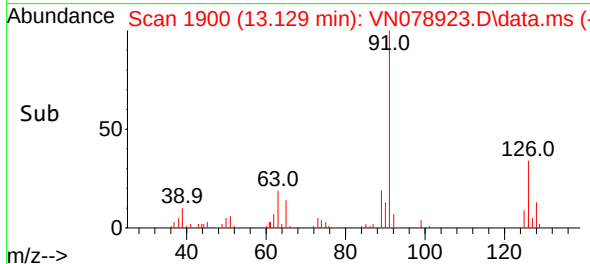
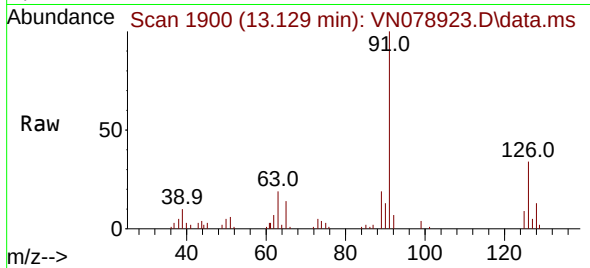
#75
2-Chlorotoluene
Concen: 4.830 ug/l
RT: 13.129 min Scan# 1900
Delta R.T. 0.000 min
Lab File: VN078923.D
Acq: 17 Aug 2023 13:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion: 91 Resp: 37402
Ion Ratio Lower Upper
91 100
126 35.9 0.0 67.2

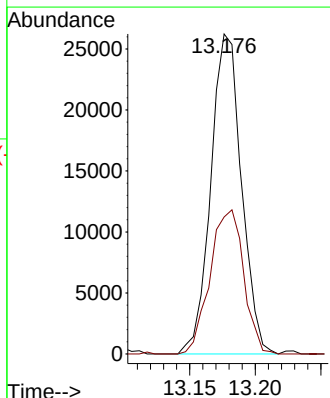
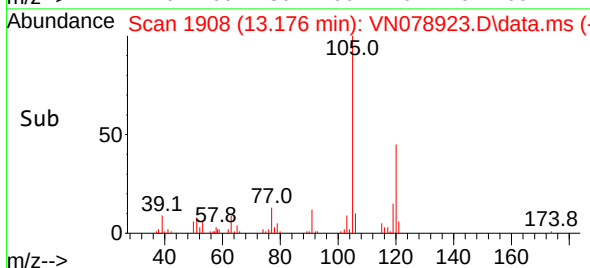
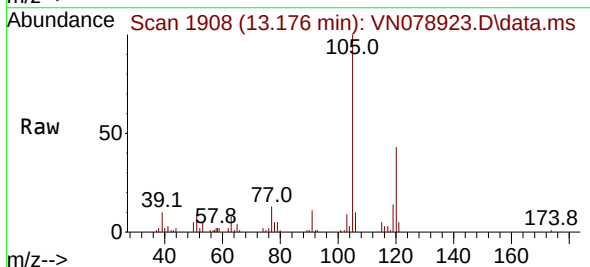
Manual Integrations
APPROVED

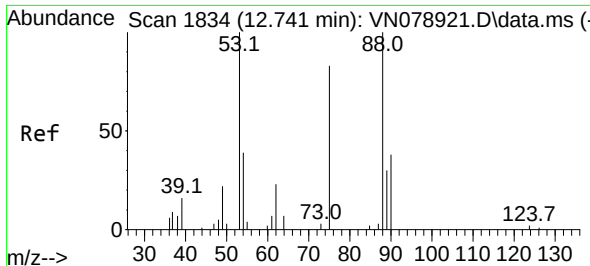
Reviewed By :John Carlone 08/18/2023
Supervised By :Semsettin Yesilyurt 08/18/2023



#76
1,3,5-Trimethylbenzene
Concen: 4.988 ug/l
RT: 13.176 min Scan# 1908
Delta R.T. 0.000 min
Lab File: VN078923.D
Acq: 17 Aug 2023 13:51

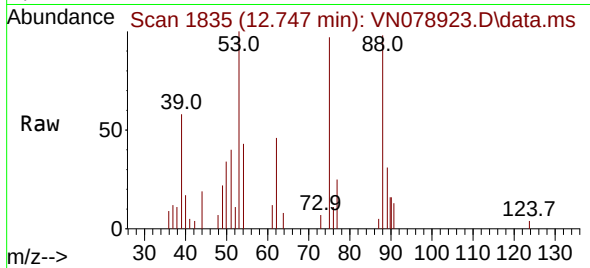
Tgt Ion:105 Resp: 42593
Ion Ratio Lower Upper
105 100
120 49.4 0.0 98.8





#77
t-1,4-Dichloro-2-butene
Concen: 4.413 ug/l
RT: 12.747 min Scan# 1835
Delta R.T. 0.006 min
Lab File: VN078923.D
Acq: 17 Aug 2023 13:51

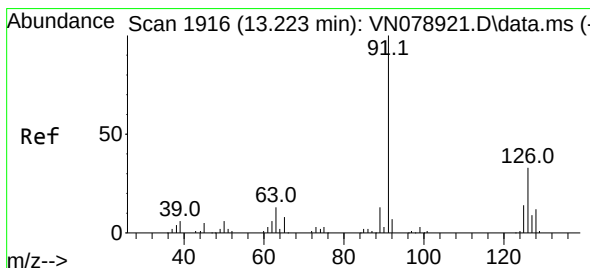
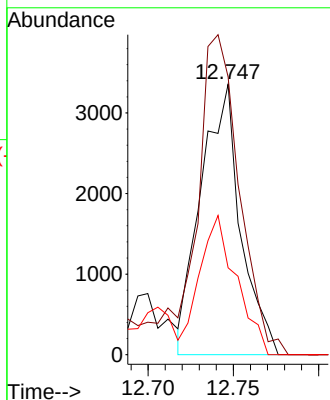
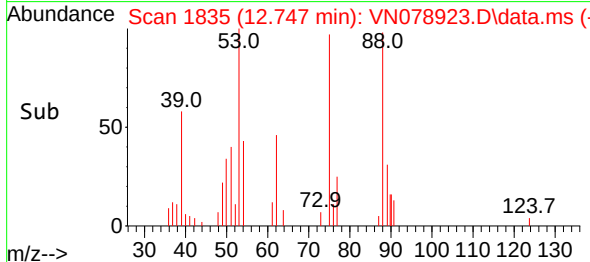
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



Tgt Ion: 75 Resp: 5438
Ion Ratio Lower Upper
75 100
53 96.8 60.1 180.3
89 32.1 22.9 68.8

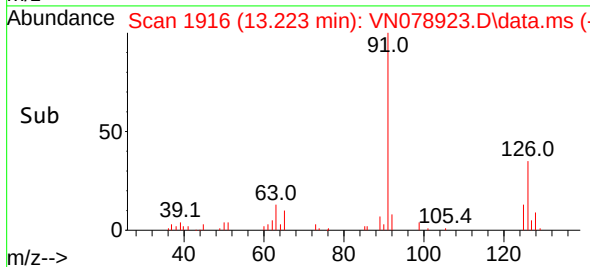
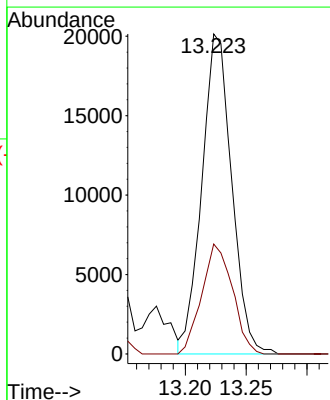
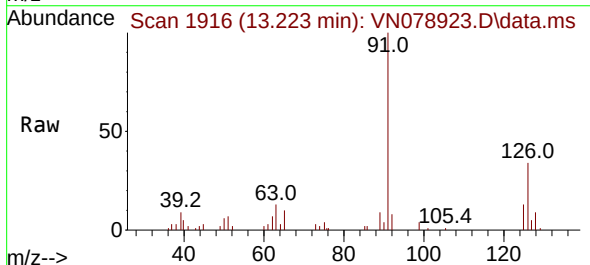
Manual Integrations
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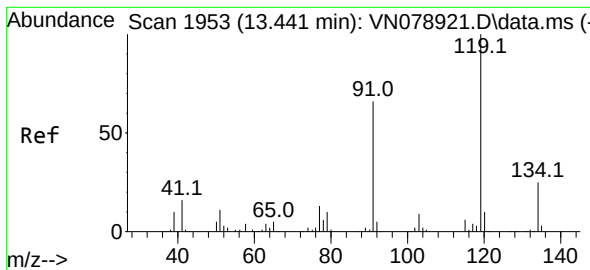
Reviewed By :John Carlone 08/18/2023
Supervised By :Semsettin Yesilyurt 08/18/2023



#78
4-Chlorotoluene
Concen: 4.625 ug/l
RT: 13.223 min Scan# 1916
Delta R.T. 0.000 min
Lab File: VN078923.D
Acq: 17 Aug 2023 13:51

Tgt Ion: 91 Resp: 34315
Ion Ratio Lower Upper
91 100
126 35.4 0.0 67.4





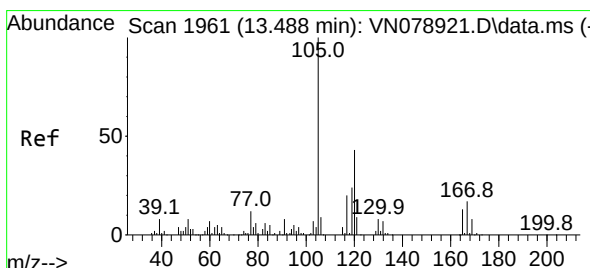
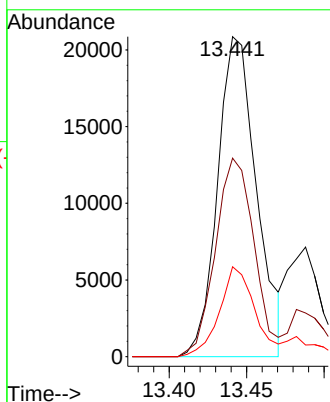
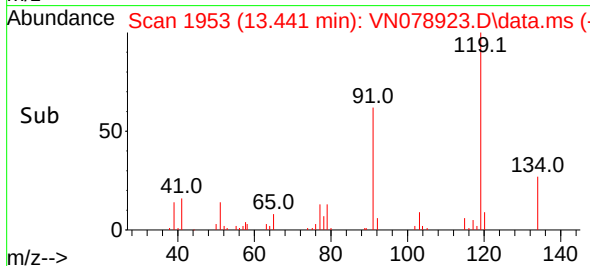
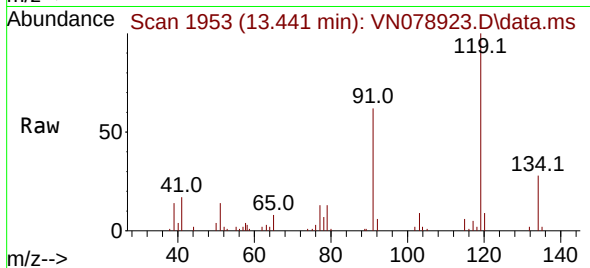
#79
tert-butylbenzene
Concen: 5.062 ug/l
RT: 13.441 min Scan# 1953
Delta R.T. 0.000 min
Lab File: VN078923.D
Acq: 17 Aug 2023 13:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion:119 Resp: 3652
Ion Ratio Lower Upper
119 100
91 61.5 0.0 135.6
134 25.4 0.0 51.4

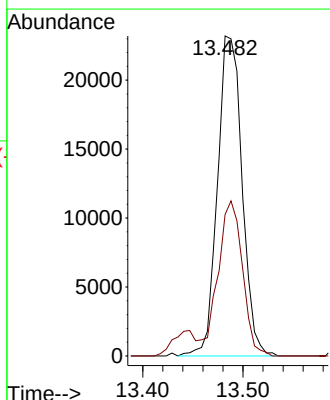
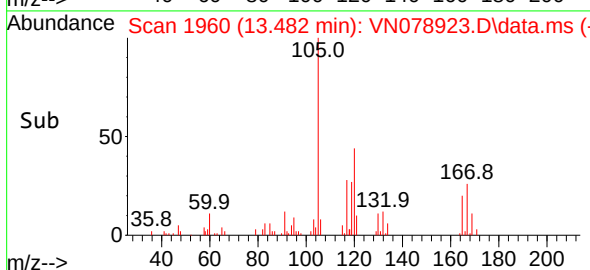
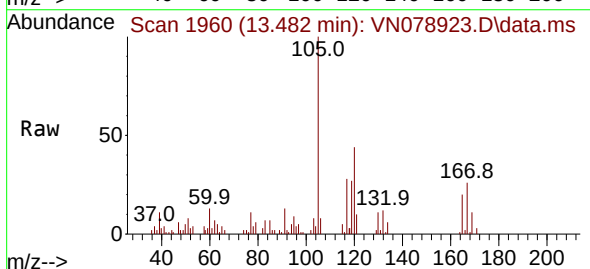
Manual Integrations
APPROVED

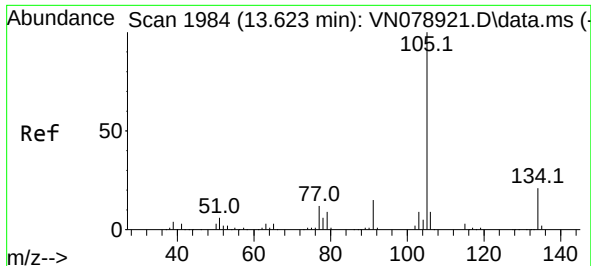
Reviewed By :John Carlone 08/18/2023
Supervised By :Semsettin Yesilyurt 08/18/2023



#80
1,2,4-Trimethylbenzene
Concen: 4.711 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. -0.006 min
Lab File: VN078923.D
Acq: 17 Aug 2023 13:51

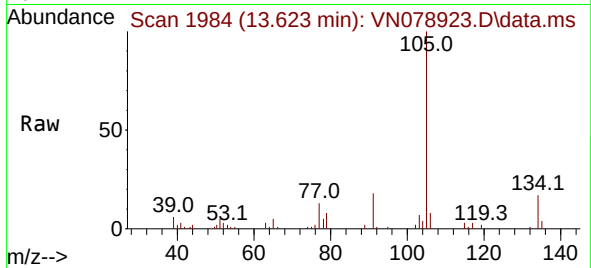
Tgt Ion:105 Resp: 39553
Ion Ratio Lower Upper
105 100
120 47.8 0.0 91.6





#81
 sec-Butylbenzene
 Concen: 4.847 ug/l
 RT: 13.623 min Scan# 1984
 Delta R.T. 0.000 min
 Lab File: VN078923.D
 Acq: 17 Aug 2023 13:51

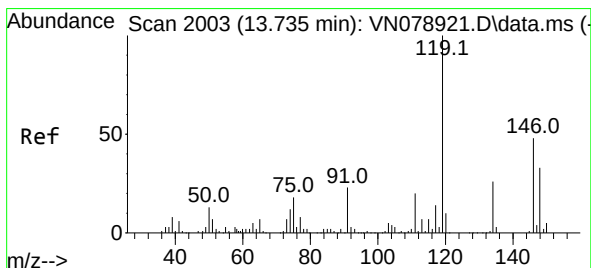
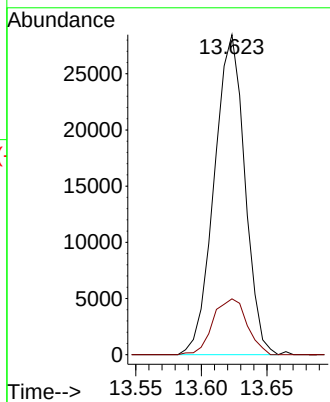
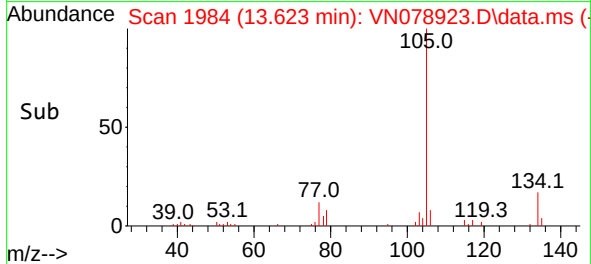
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005



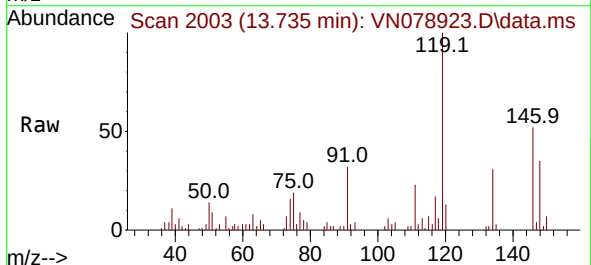
Tgt Ion:105 Resp: 4615
 Ion Ratio Lower Upper
 105 100
 134 19.4 0.0 41.6

Manual Integrations
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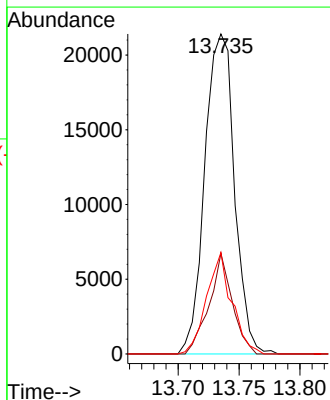
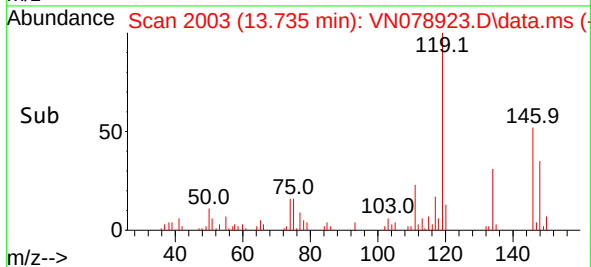
Reviewed By :John Carlone 08/18/2023
 Supervised By :Semsettin Yesilyurt 08/18/2023

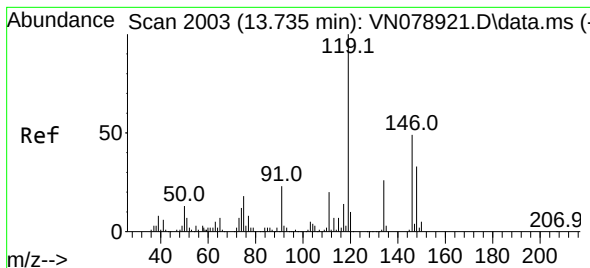


#82
 p-Isopropyltoluene
 Concen: 4.674 ug/l
 RT: 13.735 min Scan# 2003
 Delta R.T. 0.000 min
 Lab File: VN078923.D
 Acq: 17 Aug 2023 13:51



Tgt Ion:119 Resp: 36339
 Ion Ratio Lower Upper
 119 100
 134 24.5 0.0 52.4
 91 26.9 0.0 47.4





#83

1,3-Dichlorobenzene

Concen: 4.671 ug/l

RT: 13.741 min Scan# 2004

Delta R.T. 0.006 min

Lab File: VN078923.D

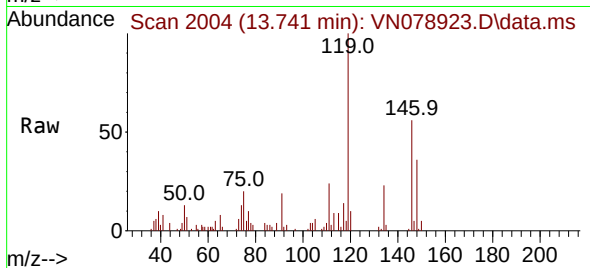
Acq: 17 Aug 2023 13:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC005



Tgt Ion:146 Resp: 20669

Ion Ratio Lower Upper

146 100

111 40.7 21.2 63.6

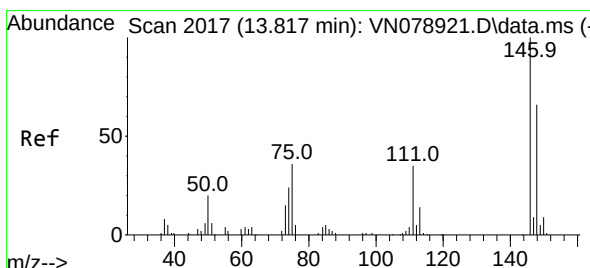
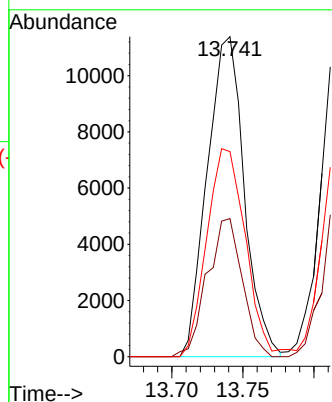
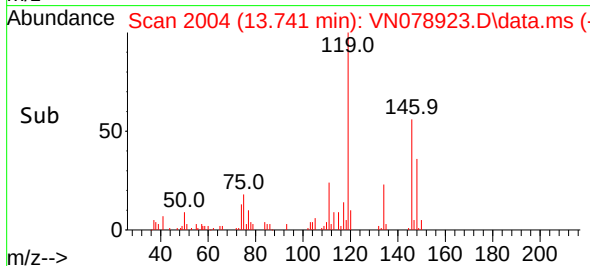
148 67.1 33.1 99.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/18/2023

Supervised By :Semsettin Yesilyurt 08/18/2023



#84

1,4-Dichlorobenzene

Concen: 4.365 ug/l

RT: 13.817 min Scan# 2017

Delta R.T. 0.000 min

Lab File: VN078923.D

Acq: 17 Aug 2023 13:51

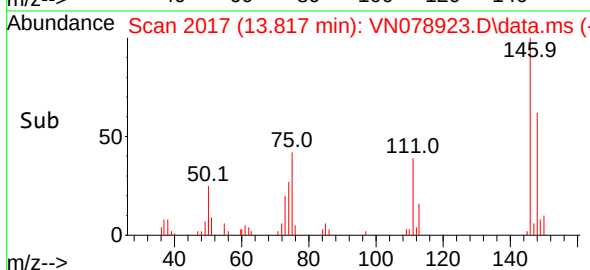
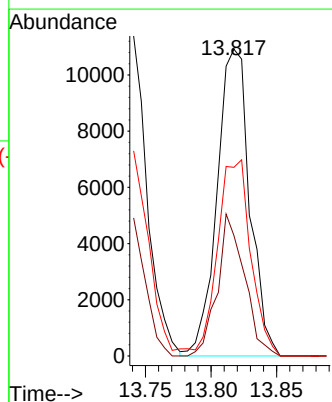
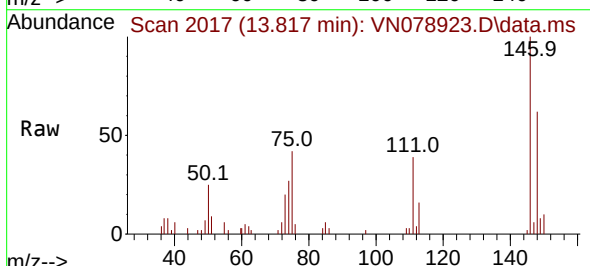
Tgt Ion:146 Resp: 18964

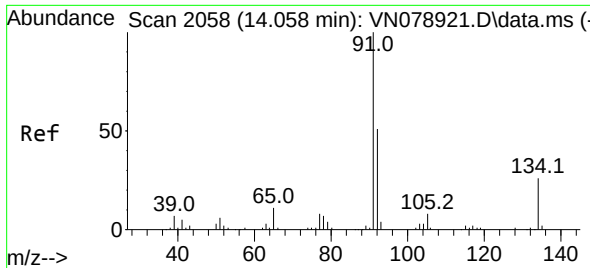
Ion Ratio Lower Upper

146 100

111 38.2 18.6 56.0

148 64.2 32.0 96.2





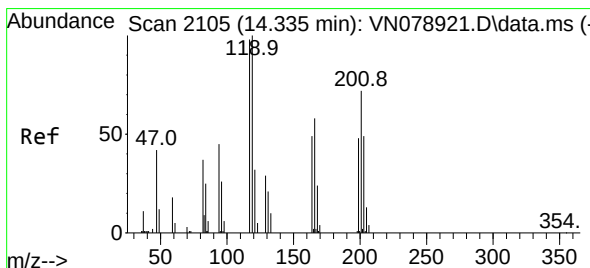
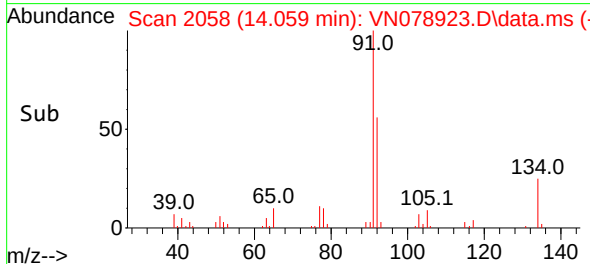
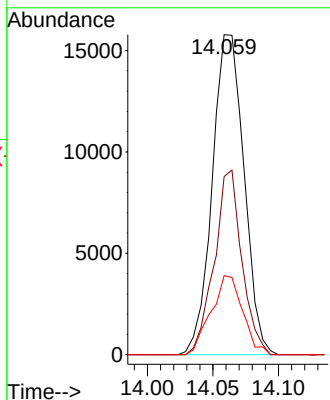
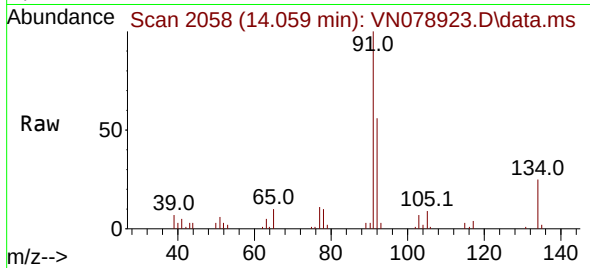
#85
n-Butylbenzene
Concen: 4.344 ug/l
RT: 14.059 min Scan# 2058
Delta R.T. 0.000 min
Lab File: VN078923.D
Acq: 17 Aug 2023 13:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 91 Resp: 2656
Ion Ratio Lower Upper
91 100
92 50.2 0.0 102.8
134 24.5 0.0 48.6

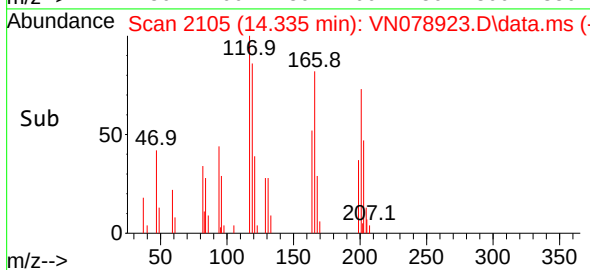
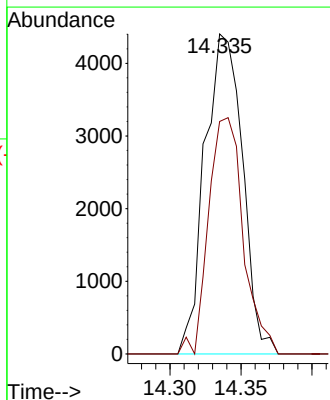
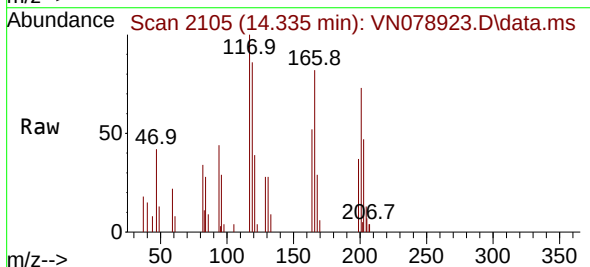
Manual Integrations
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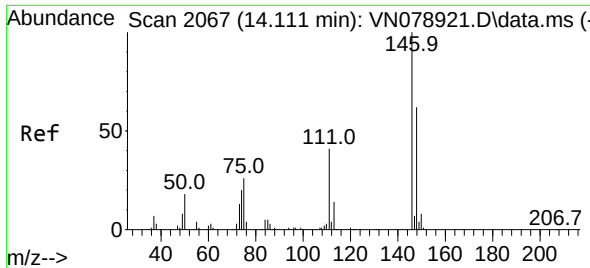
Reviewed By :John Carlone 08/18/2023
Supervised By :Semsettin Yesilyurt 08/18/2023



#86
Hexachloroethane
Concen: 5.118 ug/l
RT: 14.335 min Scan# 2105
Delta R.T. 0.000 min
Lab File: VN078923.D
Acq: 17 Aug 2023 13:51

Tgt Ion:117 Resp: 8141
Ion Ratio Lower Upper
117 100
201 66.7 36.6 109.8





#87
1,2-Dichlorobenzene
Concen: 4.796 ug/l
RT: 14.106 min Scan# 2067
Delta R.T. -0.006 min
Lab File: VN078923.D
Acq: 17 Aug 2023 13:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

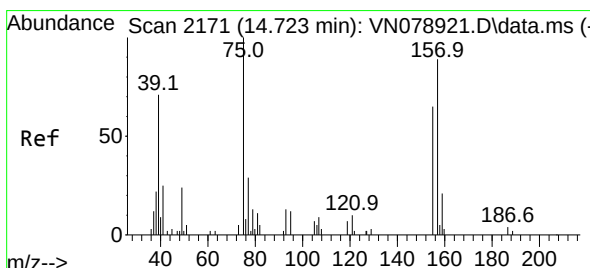
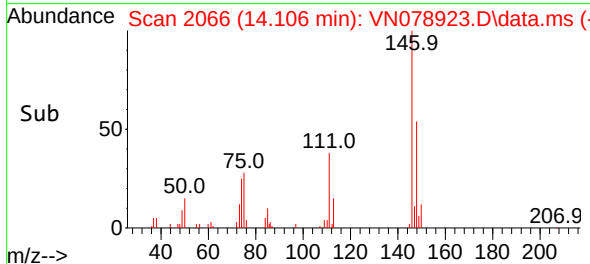
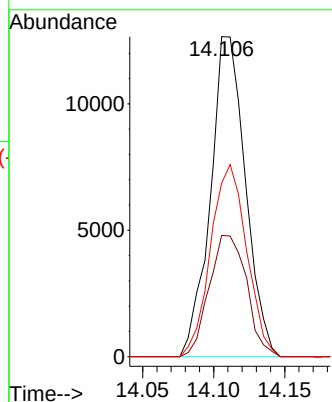
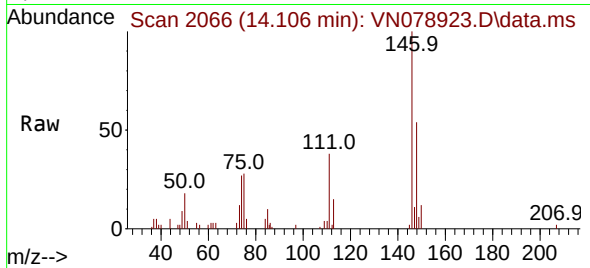
Tgt Ion:146 Resp: 2173
Ion Ratio Lower Upper
146 100
111 40.5 20.3 60.8
148 61.7 32.0 96.2

Manual Integrations

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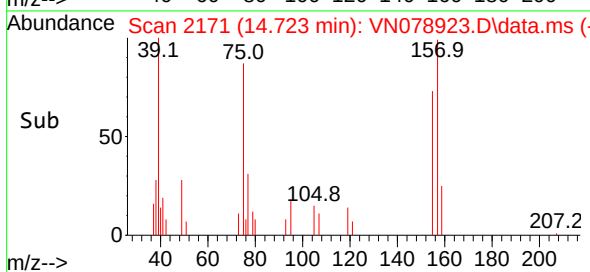
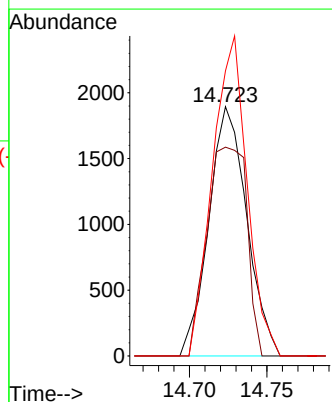
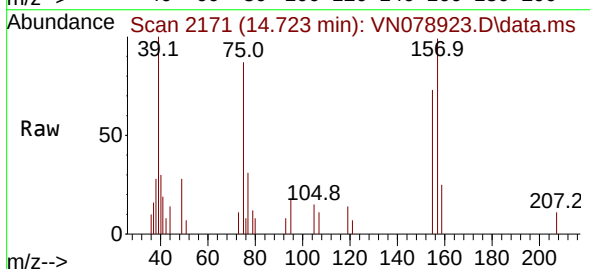
Reviewed By :John Carlone 08/18/2023

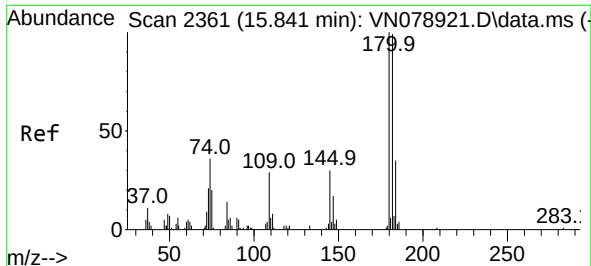
Supervised By :Semsettin Yesilyurt 08/18/2023



#88
1,2-Dibromo-3-Chloropropane
Concen: 4.453 ug/l
RT: 14.723 min Scan# 2171
Delta R.T. 0.000 min
Lab File: VN078923.D
Acq: 17 Aug 2023 13:51

Tgt Ion: 75 Resp: 3227
Ion Ratio Lower Upper
75 100
155 67.1 61.1 91.7
157 117.0 79.8 119.6





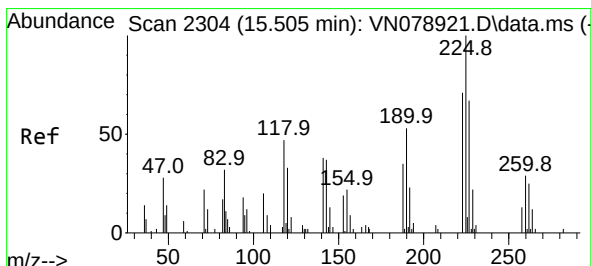
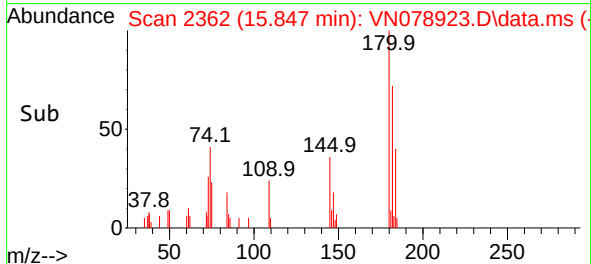
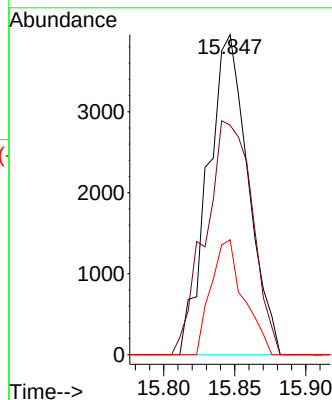
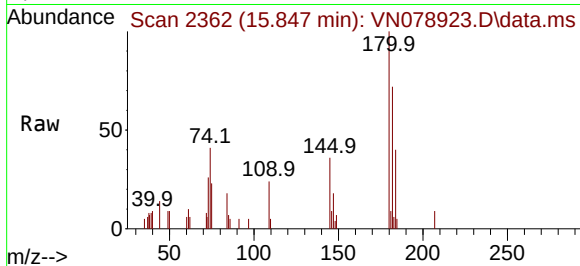
#89
1,2,4-Trichlorobenzene
Concen: 4.355 ug/l
RT: 15.847 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN078923.D
Acq: 17 Aug 2023 13:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion:180 Resp: 779
Ion Ratio Lower Upper
180 100
182 84.9 76.1 114.1
145 29.1 26.5 39.7

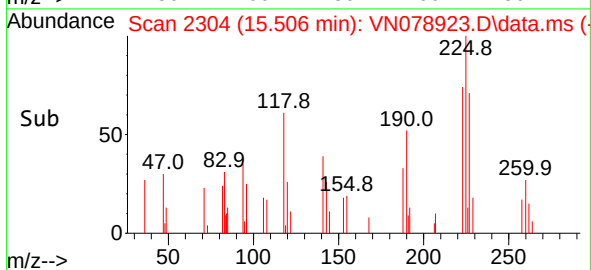
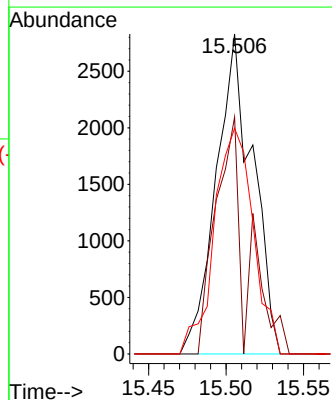
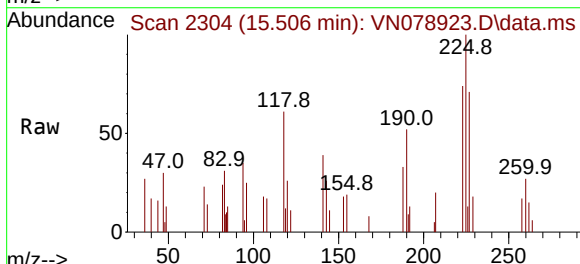
Manual Integrations
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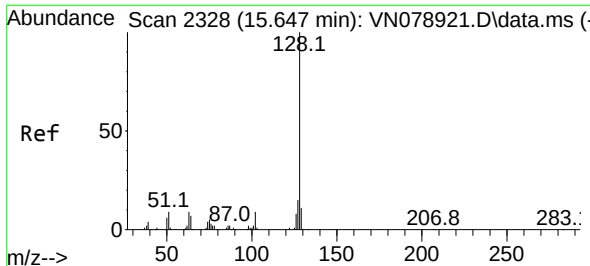
Reviewed By :John Carlone 08/18/2023
Supervised By :Semsettin Yesilyurt 08/18/2023



#90
Hexachlorobutadiene
Concen: 4.982 ug/l
RT: 15.506 min Scan# 2304
Delta R.T. 0.000 min
Lab File: VN078923.D
Acq: 17 Aug 2023 13:51

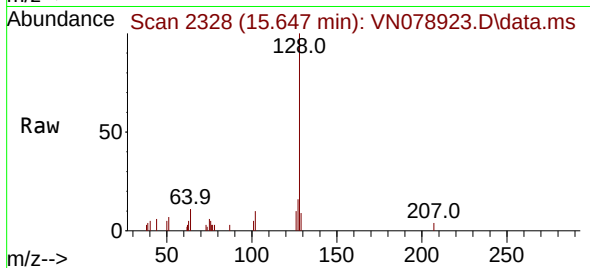
Tgt Ion:225 Resp: 4643
Ion Ratio Lower Upper
225 100
223 44.9 0.0 124.0
227 75.1 0.0 117.4





#91
Naphthalene
Concen: 3.378 ug/l
RT: 15.647 min Scan# 2328
Delta R.T. 0.000 min
Lab File: VN078923.D
Acq: 17 Aug 2023 13:51

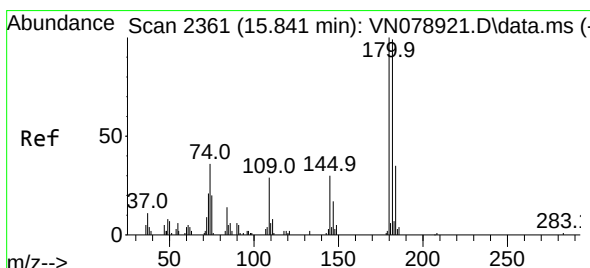
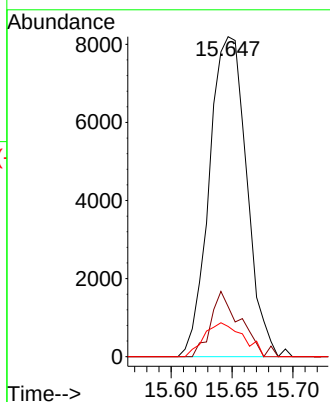
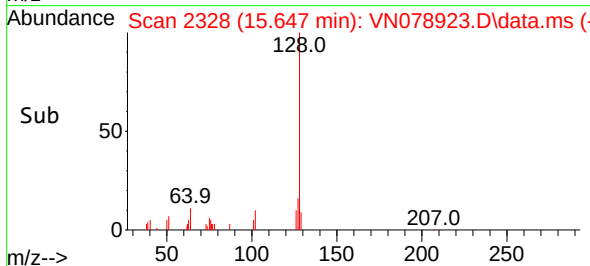
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



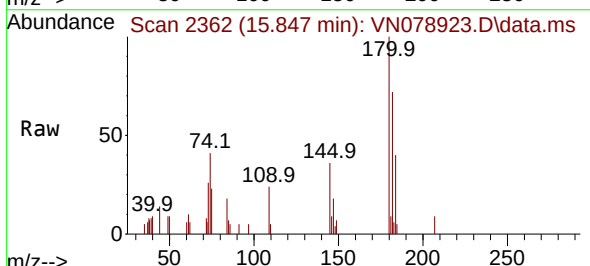
Tgt Ion:128 Resp: 1744
Ion Ratio Lower Upper
128 100
127 15.7 11.1 16.7
129 11.0 8.6 13.0

Manual Integrations
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Reviewed By :John Carlone 08/18/2023
Supervised By :Semsettin Yesilyurt 08/18/2023



#92
1,2,3-Trichlorobenzene
Concen: 4.356 ug/l
RT: 15.847 min Scan# 2362
Delta R.T. 0.006 min
Lab File: VN078923.D
Acq: 17 Aug 2023 13:51



Tgt Ion:180 Resp: 7797
Ion Ratio Lower Upper
180 100
182 84.9 0.0 190.2
145 29.1 0.0 66.2

