

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081723\
 Data File : VN078936.D
 Acq On : 17 Aug 2023 19:30
 Operator : JC\MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Manual Integrations
 APPROVED

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

Quant Time: Aug 18 05:35:24 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N081723W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Aug 18 05:21:14 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.818	128	39320	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	217198	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.871	117	194418	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.588	65	97056	30.468	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 101.567%			
60) 4-Bromofluorobenzene	12.853	95	85920	30.296	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 101.000%			
63) Toluene-d8	10.571	98	276014	30.401	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 101.333%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.130	85	50090	20.188	ug/l	99
3) Chloromethane	2.365	50	58698	19.740	ug/l	95
4) Vinyl Chloride	2.512	62	59612	20.255	ug/l	96
5) Bromomethane	2.959	94	34063	18.751	ug/l	99
6) Chloroethane	3.124	64	41536	21.718	ug/l	96
7) Trichlorofluoromethane	3.501	101	80801	20.385	ug/l	99
8) Diethyl Ether	3.965	74	29205	19.590	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.377	101	41656	20.122	ug/l	90
10) 1,1-Dichloroethene	4.342	96	43259	20.771	ug/l	98
11) Methyl Iodide	4.595	142	46459	18.485	ug/l	91
12) Methyl Acetate	5.036	43	98287	20.133	ug/l	94
13) Acrolein	4.189	56	28321	83.233	ug/l	97
14) Acrylonitrile	5.724	53	129613	101.001	ug/l	98
15) Acetone	4.436	58	33047	83.949	ug/l	92
16) Carbon Disulfide	4.718	76	115358	19.277	ug/l	98
17) Allyl chloride	5.024	41	71647	18.769	ug/l	90
18) Methylene Chloride	5.295	84	52966m	21.273	ug/l	
19) trans-1,2-Dichloroethene	5.789	96	45398	19.367	ug/l	97
20) Diisopropyl ether	6.677	45	164221	19.776	ug/l #	88
21) 1,1-Dichloroethane	6.577	63	92100	19.988	ug/l	96
22) cis-1,2-Dichloroethene	7.494	96	54005	20.130	ug/l	97
23) tert-Butyl Alcohol	5.536	59	46343m	96.814	ug/l	
24) Methyl tert-Butyl Ether	5.800	73	146496	19.815	ug/l	99
25) Chloroform	7.971	83	92375	19.901	ug/l	98
26) Cyclohexane	8.265	56	67038	19.889	ug/l #	97
29) 1,1-Dichloropropene	8.377	75	65895	19.944	ug/l	97
30) 2-Butanone	7.489	43	185759	96.038	ug/l	99
31) 2,2-Dichloropropane	7.494	77	60947	16.691	ug/l #	87
32) 1,1,1-Trichloroethane	8.177	97	79178	20.072	ug/l	96
33) Carbon Tetrachloride	8.365	117	71503	20.926	ug/l #	95
34) Benzene	8.612	78	203483	20.551	ug/l	98
35) Methacrylonitrile	7.783	41	41525	20.143	ug/l	95
36) 1,2-Dichloroethane	8.677	62	74817	20.178	ug/l	98
37) Trichloroethene	9.353	130	48811	19.804	ug/l	87
38) Methylcyclohexane	9.606	83	56812	19.531	ug/l	98
39) 1,2-Dichloropropane	9.630	63	53010	19.876	ug/l	93
40) Dibromomethane	9.718	93	37907	21.204	ug/l	95
41) Bromodichloromethane	9.894	83	73272	20.380	ug/l	99
42) Vinyl Acetate	6.612	43	554628	101.703	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.571	43	71525	19.061	ug/l	96
44) Isopropyl Acetate	8.694	43	126143	19.078	ug/l	98
45) 1,4-Dioxane	9.700	88	18907	379.996	ug/l	96
46) Methyl methacrylate	9.683	41	58052	19.928	ug/l	91
47) n-amyl Acetate	12.500	43	97701	19.256	ug/l	96
48) t-1,3-Dichloropropene	10.841	75	75670	19.762	ug/l	97
49) cis-1,3-Dichloropropene	10.318	75	81648	19.886	ug/l	93
50) 1,1,2-Trichloroethane	11.024	97	51497	21.316	ug/l	95
51) Ethyl methacrylate	10.882	69	70956	18.976	ug/l	92
52) 1,3-Dichloropropane	11.171	76	87549	20.232	ug/l	99
53) Dibromochloromethane	11.365	129	54977	20.792	ug/l	94
54) 1,2-Dibromoethane	11.471	107	49823	20.087	ug/l	93
55) 2-Chloroethyl vinyl ether	10.165	63	166321	96.231	ug/l	99
56) Bromoform	12.582	173	36325	19.471	ug/l	97
58) 4-Methyl-2-Pentanone	10.453	43	395437	102.516	ug/l	99
59) 2-Hexanone	11.200	43	283369	100.265	ug/l	99
61) Tetrachloroethene	11.112	164	38461	20.431	ug/l	90
62) Toluene	10.635	91	221151	20.835	ug/l	99
64) Chlorobenzene	11.894	112	126418	19.809	ug/l #	89
65) 1,1,1,2-Tetrachloroethane	11.965	131	49476	20.275	ug/l	95
66) Ethyl Benzene	11.971	91	219341	19.756	ug/l	100
67) m/p-Xylenes	12.076	106	167454	40.451	ug/l	99
68) o-Xylene	12.406	106	82913	20.313	ug/l	97
69) Styrene	12.418	104	135307	20.401	ug/l	99
70) Isopropylbenzene	12.700	105	200699	20.293	ug/l	96
71) 1,1,2,2-Tetrachloroethane	12.941	83	77389	20.874	ug/l	99
72) 1,2,3-Trichloropropane	12.994	75	62276m	20.475	ug/l	
73) Bromobenzene	12.982	156	49287	19.575	ug/l	96
74) n-propylbenzene	13.041	91	226239	20.185	ug/l	100
75) 2-Chlorotoluene	13.129	91	142450	20.033	ug/l	99
76) 1,3,5-Trimethylbenzene	13.176	105	155573	19.844	ug/l	99
77) t-1,4-Dichloro-2-butene	12.741	75	21215	18.770	ug/l	82
78) 4-Chlorotoluene	13.229	91	137154	20.134	ug/l	99
79) tert-butylbenzene	13.441	119	132733	20.035	ug/l	97
80) 1,2,4-Trimethylbenzene	13.488	105	154597	20.054	ug/l	99
81) sec-Butylbenzene	13.623	105	175318	20.052	ug/l	99
82) p-Isopropyltoluene	13.735	119	140670	19.706	ug/l	98
83) 1,3-Dichlorobenzene	13.741	146	83704	20.600	ug/l	96
84) 1,4-Dichlorobenzene	13.818	146	76957	19.291	ug/l	98
85) n-Butylbenzene	14.059	91	105110	18.722	ug/l	99
86) Hexachloroethane	14.335	117	30156	20.646	ug/l	90
87) 1,2-Dichlorobenzene	14.112	146	82924	19.925	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.723	75	13297	19.983	ug/l	96
89) 1,2,4-Trichlorobenzene	15.847	180	31408	19.109	ug/l	95
90) Hexachlorobutadiene	15.506	225	15459	18.066	ug/l	93
91) Naphthalene	15.647	128	77435	16.335	ug/l	98
92) 1,2,3-Trichlorobenzene	15.847	180	31408	19.109	ug/l	95

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

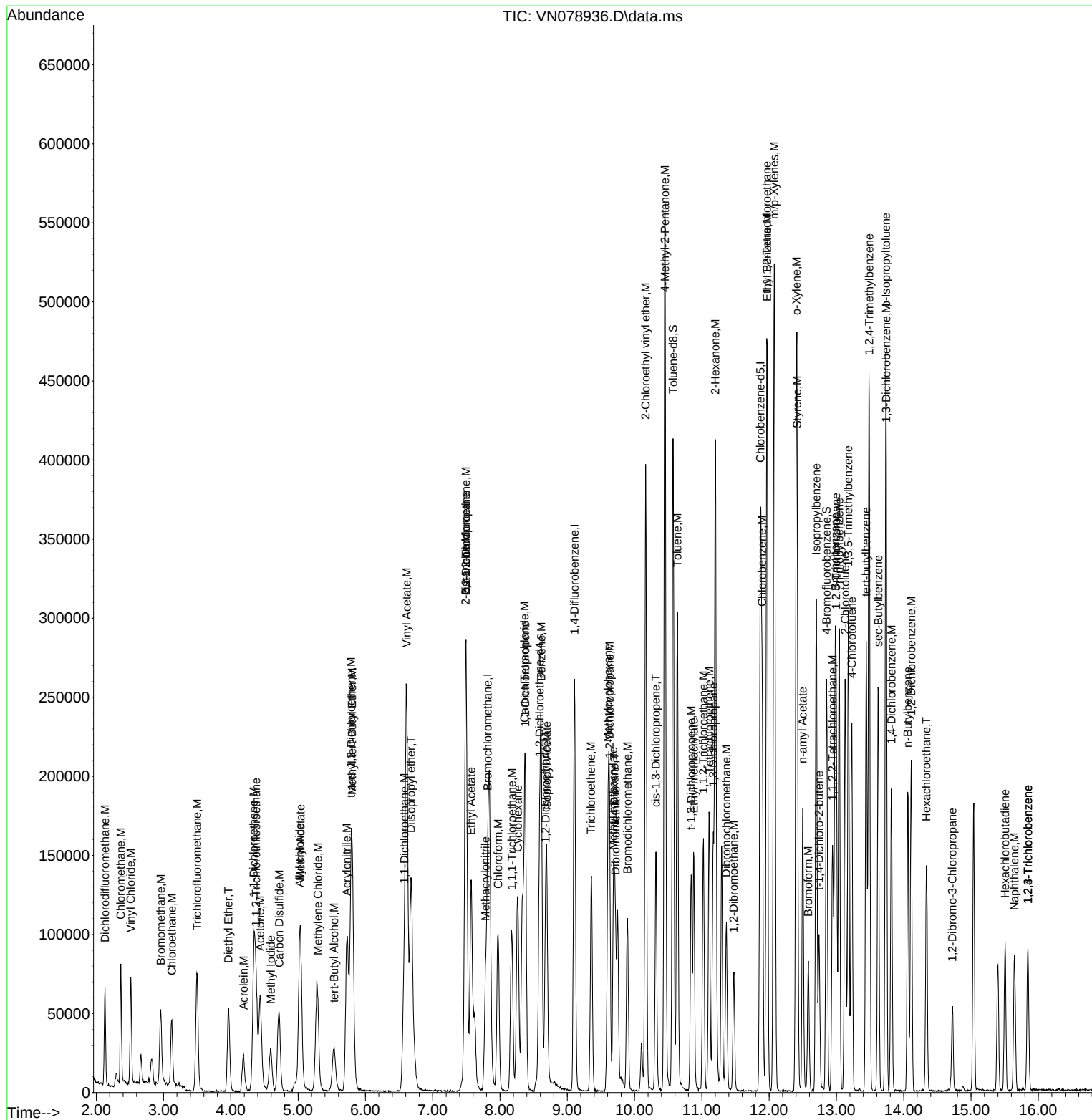
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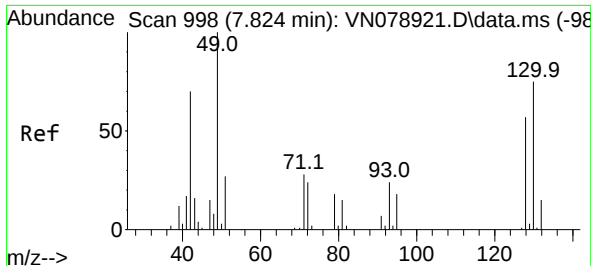
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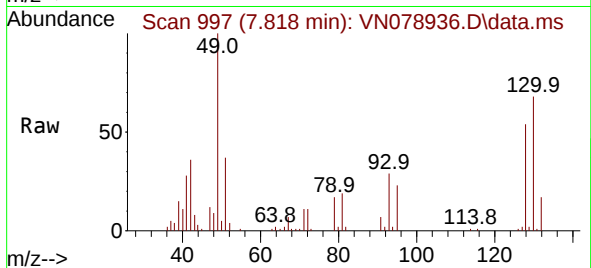
Reviewed By : John Carlone 08/18/2023
 Supervised By : Semsettin Yesilyurt 08/18/2023





#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.818 min Scan# 997
Delta R.T. -0.006 min
Lab File: VN078936.D
Acq: 17 Aug 2023 19:30

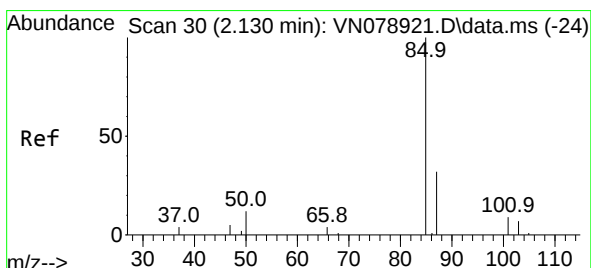
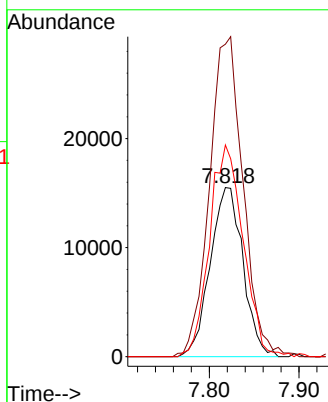
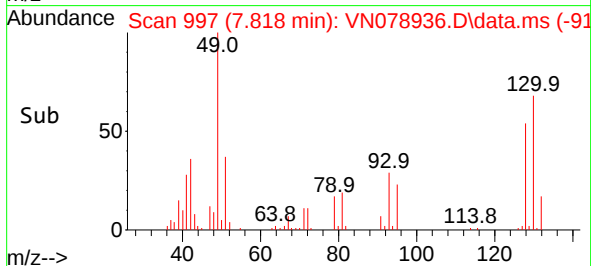
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion:128 Resp: 39320
Ion Ratio Lower Upper
128 100
49 193.8 0.0 481.8
130 128.6 0.0 320.5

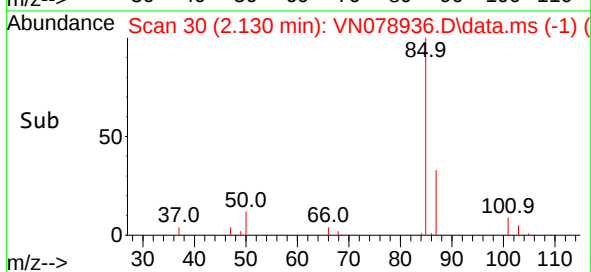
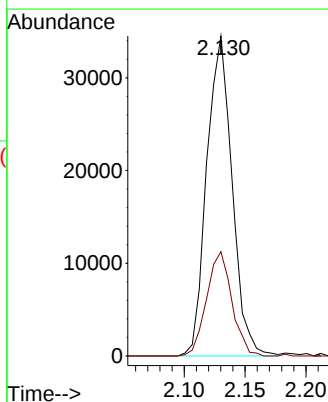
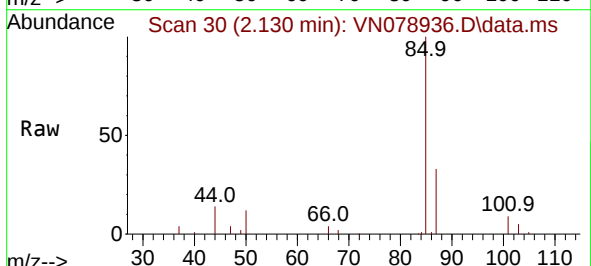
Manual Integrations
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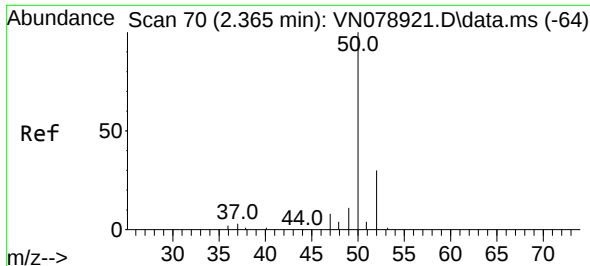
Reviewed By :John Carlone 08/18/2023
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#2
Dichlorodifluoromethane
Concen: 20.188 ug/l
RT: 2.130 min Scan# 30
Delta R.T. 0.000 min
Lab File: VN078936.D
Acq: 17 Aug 2023 19:30

Tgt Ion: 85 Resp: 50090
Ion Ratio Lower Upper
85 100
87 32.6 15.9 47.7





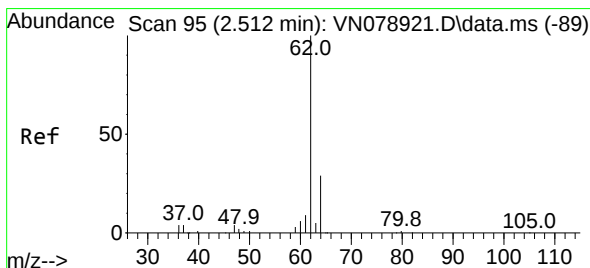
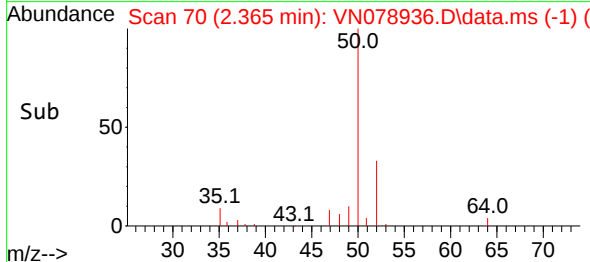
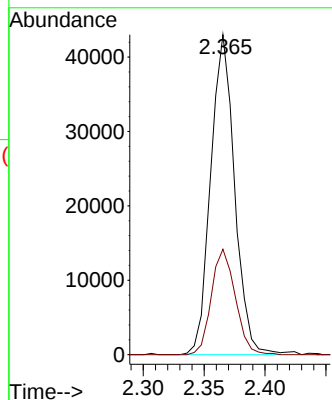
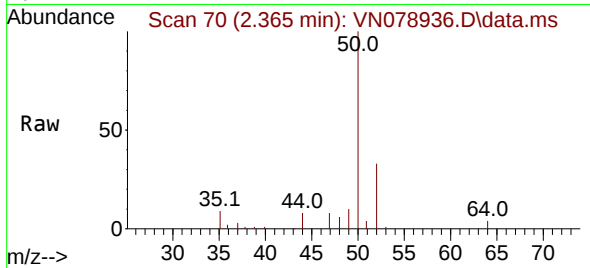
#3
Chloromethane
Concen: 19.740 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.000 min
Lab File: VN078936.D
Acq: 17 Aug 2023 19:30

Instrument :
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Tgt Ion: 50 Resp: 58698
Ion Ratio Lower Upper
50 100
52 33.0 24.2 36.4

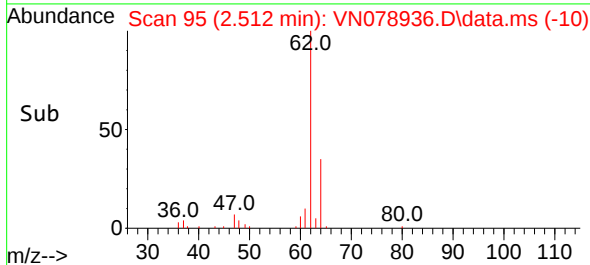
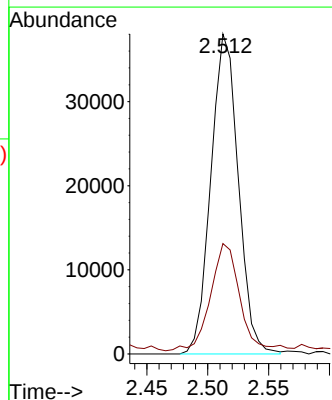
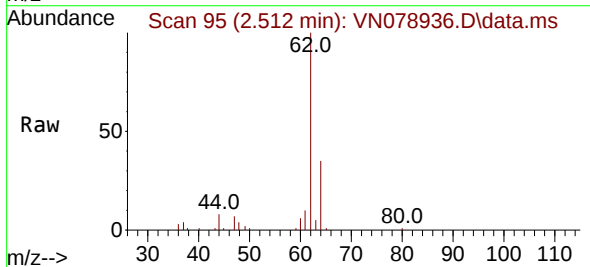
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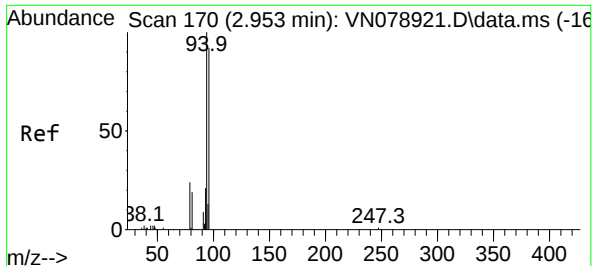
Reviewed By :John Carlone 08/18/2023
Supervised By :Semsettin Yesilyurt 08/18/2023



#4
Vinyl Chloride
Concen: 20.255 ug/l
RT: 2.512 min Scan# 95
Delta R.T. 0.000 min
Lab File: VN078936.D
Acq: 17 Aug 2023 19:30

Tgt Ion: 62 Resp: 59612
Ion Ratio Lower Upper
62 100
64 32.0 23.8 35.8





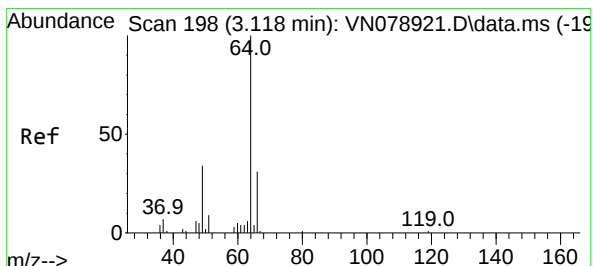
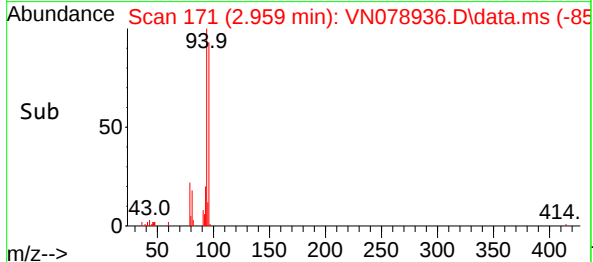
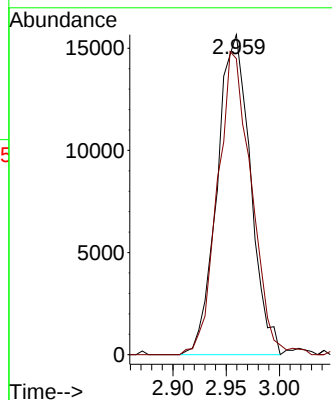
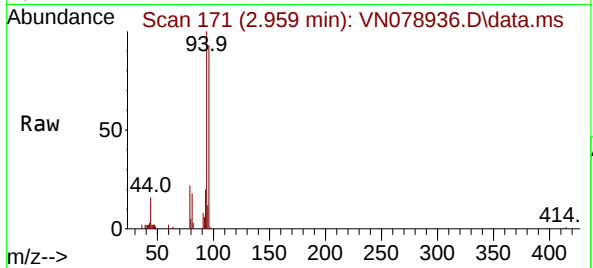
#5
Bromomethane
Concen: 18.751 ug/l
RT: 2.959 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN078936.D
Acq: 17 Aug 2023 19:30

Instrument :
MSVOA_N
ClientSampleId :
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Tgt Ion: 94 Resp: 3406
Ion Ratio Lower Upper
94 100
96 92.5 73.6 110.4

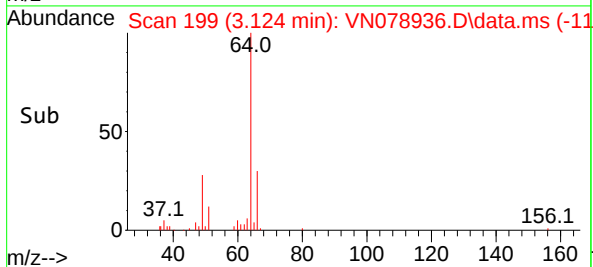
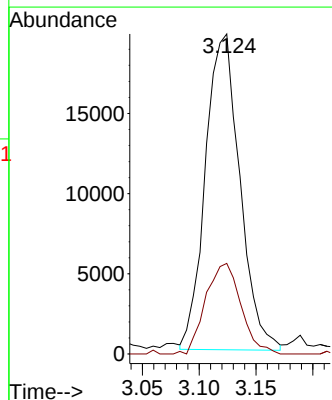
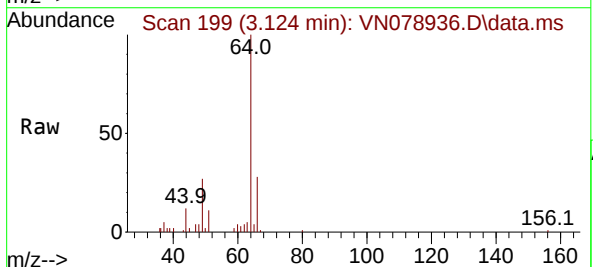
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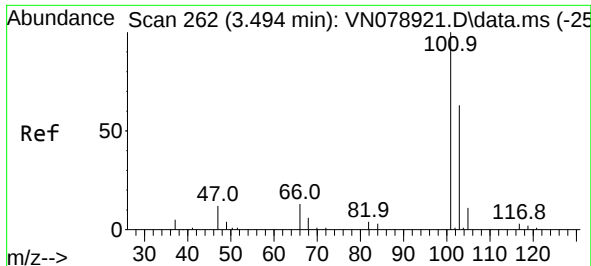
Reviewed By :John Carlone 08/18/2023
Supervised By :Semsettin Yesilyurt 08/18/2023



#6
Chloroethane
Concen: 21.718 ug/l
RT: 3.124 min Scan# 199
Delta R.T. 0.006 min
Lab File: VN078936.D
Acq: 17 Aug 2023 19:30

Tgt Ion: 64 Resp: 41536
Ion Ratio Lower Upper
64 100
66 29.1 24.9 37.3





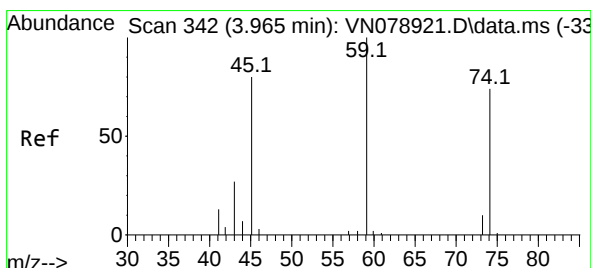
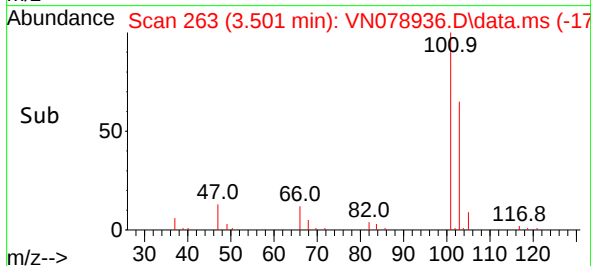
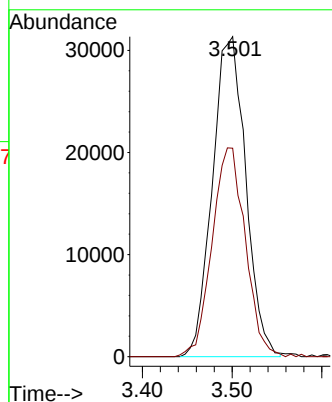
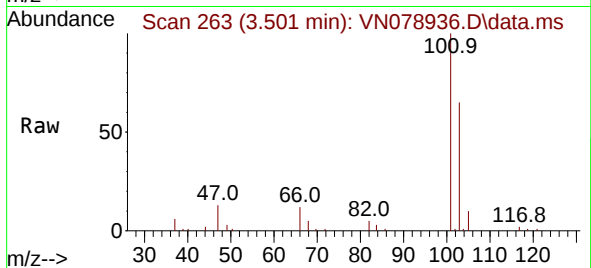
#7
Trichlorofluoromethane
Concen: 20.385 ug/l
RT: 3.501 min Scan# 263
Delta R.T. 0.006 min
Lab File: VN078936.D
Acq: 17 Aug 2023 19:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion:101 Resp: 8080
Ion Ratio Lower Upper
101 100
103 64.6 50.9 76.3

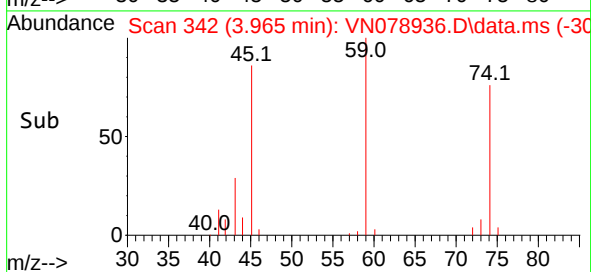
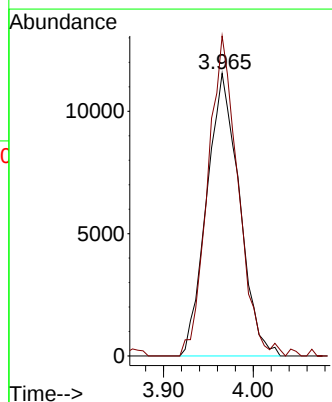
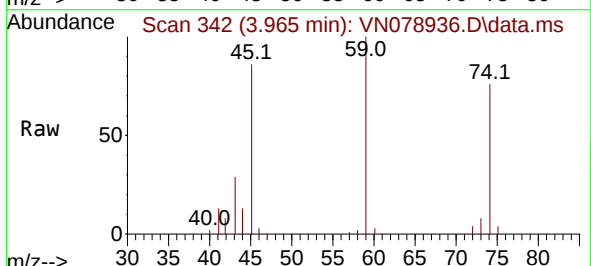
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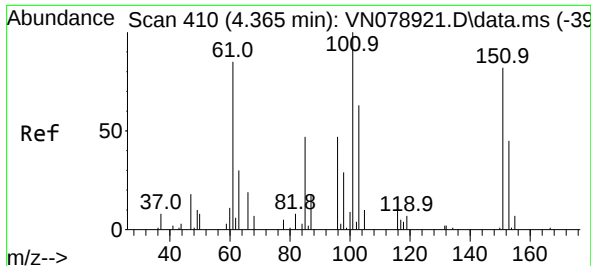
Reviewed By :John Carlone 08/18/2023
Supervised By :Semsettin Yesilyurt 08/18/2023



#8
Diethyl Ether
Concen: 19.590 ug/l
RT: 3.965 min Scan# 342
Delta R.T. 0.000 min
Lab File: VN078936.D
Acq: 17 Aug 2023 19:30

Tgt Ion: 74 Resp: 29205
Ion Ratio Lower Upper
74 100
45 104.2 21.3 191.9





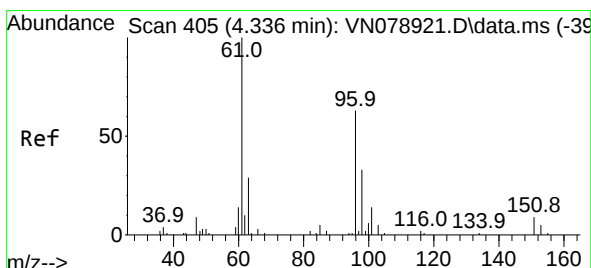
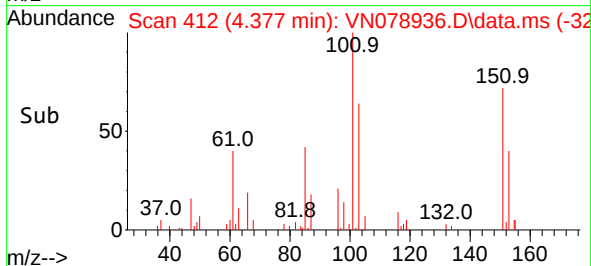
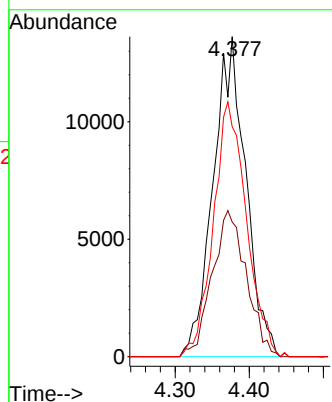
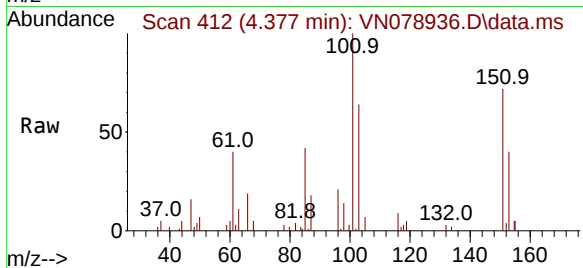
#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.122 ug/l
RT: 4.377 min Scan# 410
Delta R.T. 0.012 min
Lab File: VN078936.D
Acq: 17 Aug 2023 19:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion:101 Resp: 41650
Ion Ratio Lower Upper
101 100
85 48.1 0.0 65.4
151 80.6 0.0 156.8

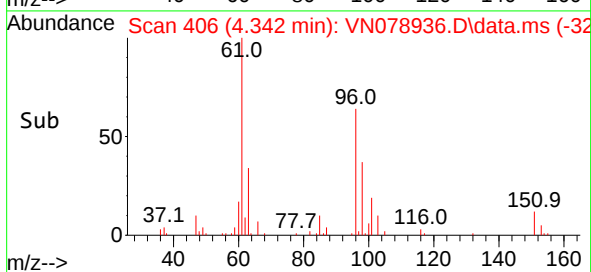
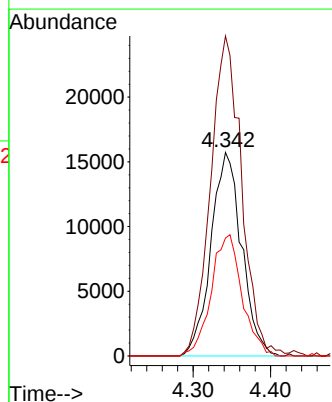
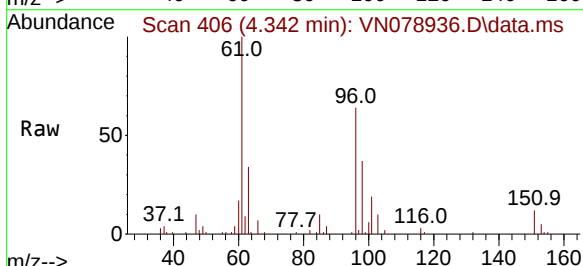
Manual Integrations
APPROVED

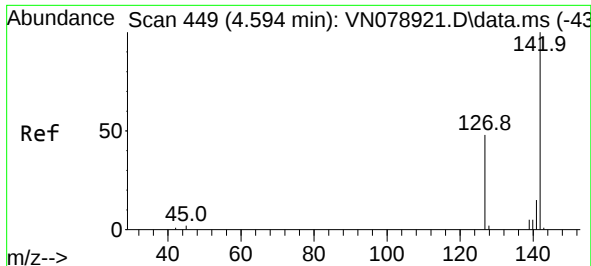
Reviewed By :John Carlone 08/18/2023
Supervised By :Semsettin Yesilyurt 08/18/2023



#10
1,1-Dichloroethene
Concen: 20.771 ug/l
RT: 4.342 min Scan# 406
Delta R.T. 0.006 min
Lab File: VN078936.D
Acq: 17 Aug 2023 19:30

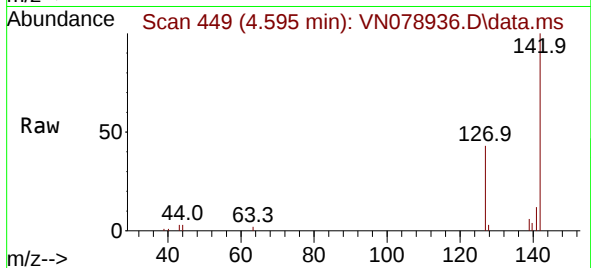
Tgt Ion: 96 Resp: 43259
Ion Ratio Lower Upper
96 100
61 157.2 126.2 189.4
98 57.9 41.7 62.5





#11
Methyl Iodide
Concen: 18.485 ug/l
RT: 4.595 min Scan# 449
Delta R.T. 0.000 min
Lab File: VN078936.D
Acq: 17 Aug 2023 19:30

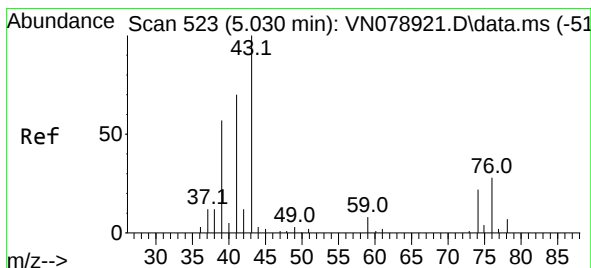
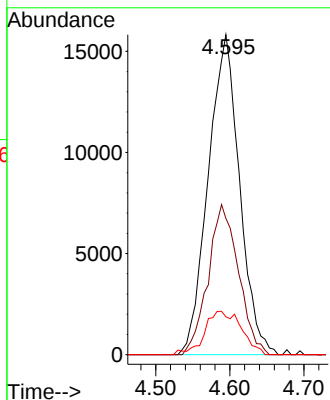
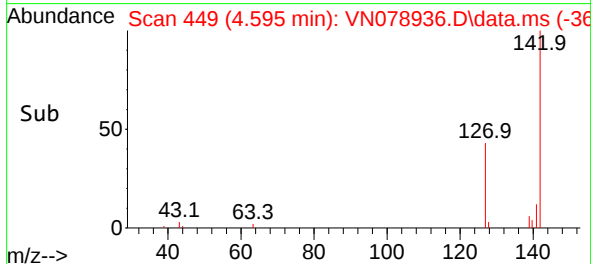
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion:142 Resp: 46459
Ion Ratio Lower Upper
142 100
127 42.6 24.3 72.9
141 11.1 7.3 22.0

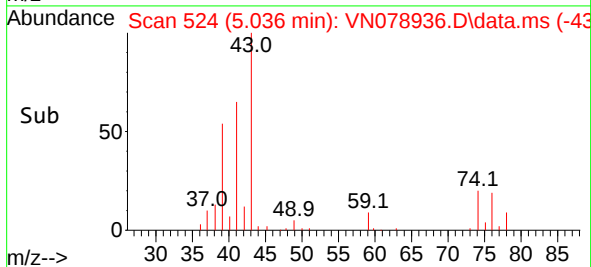
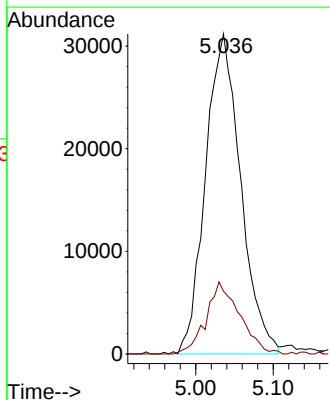
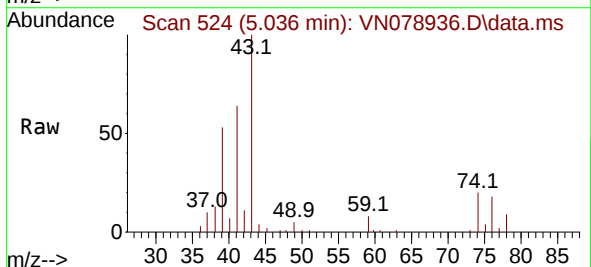
Manual Integrations
APPROVED

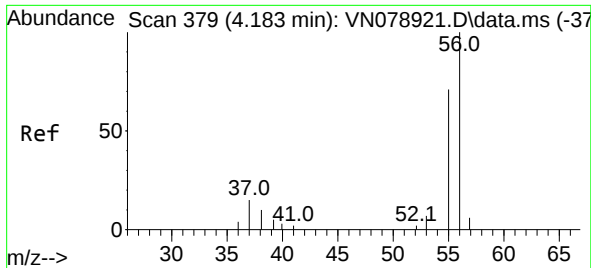
Reviewed By :John Carlone 08/18/2023
Supervised By :Semsettin Yesilyurt 08/18/2023



#12
Methyl Acetate
Concen: 20.133 ug/l
RT: 5.036 min Scan# 524
Delta R.T. 0.006 min
Lab File: VN078936.D
Acq: 17 Aug 2023 19:30

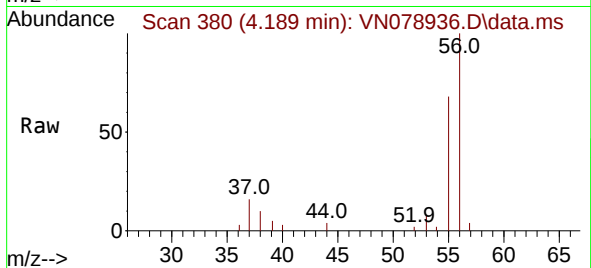
Tgt Ion: 43 Resp: 98287
Ion Ratio Lower Upper
43 100
74 19.1 17.5 26.3





#13
Acrolein
Concen: 83.233 ug/l
RT: 4.189 min Scan# 31
Delta R.T. 0.006 min
Lab File: VN078936.D
Acq: 17 Aug 2023 19:30

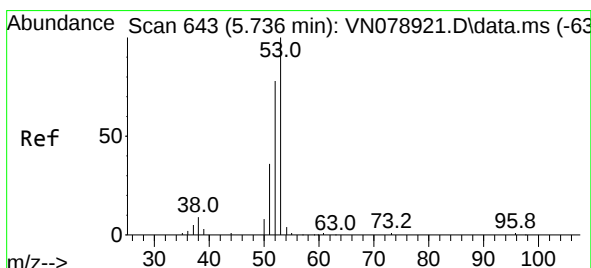
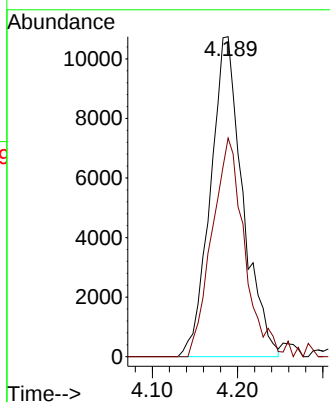
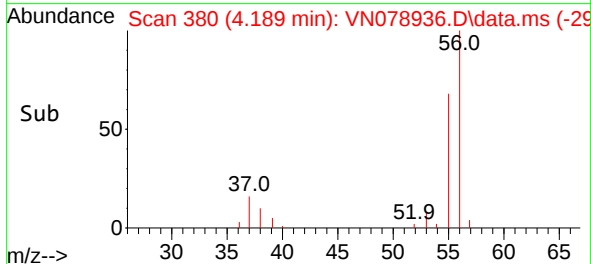
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 56 Resp: 2832
Ion Ratio Lower Upper
56 100
55 66.0 54.5 81.7

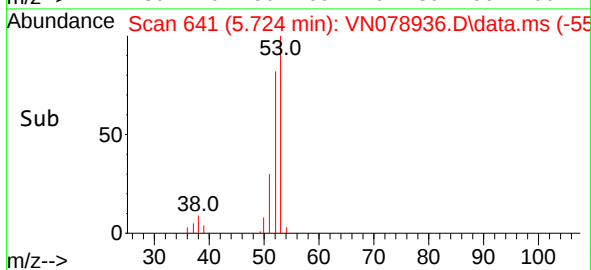
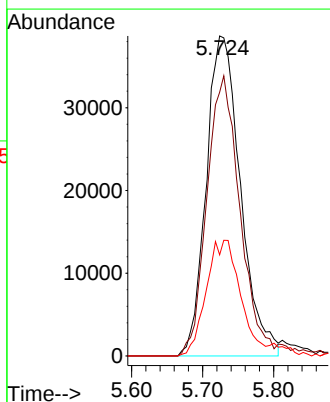
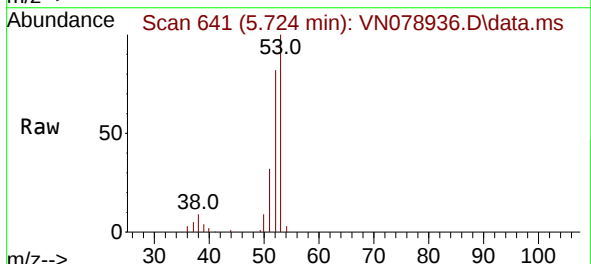
Manual Integrations
APPROVED

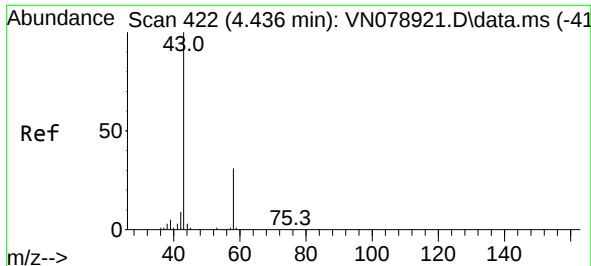
Reviewed By :John Carlone 08/18/2023
Supervised By :Semsettin Yesilyurt 08/18/2023



#14
Acrylonitrile
Concen: 101.001 ug/l
RT: 5.724 min Scan# 641
Delta R.T. -0.012 min
Lab File: VN078936.D
Acq: 17 Aug 2023 19:30

Tgt Ion: 53 Resp: 129613
Ion Ratio Lower Upper
53 100
52 84.0 41.9 125.6
51 16.2 10.1 30.1





#15

Acetone

Concen: 83.949 ug/l

RT: 4.436 min Scan# 41

Delta R.T. 0.000 min

Lab File: VN078936.D

Acq: 17 Aug 2023 19:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tgt Ion: 58 Resp: 3304

Ion Ratio Lower Upper

58 100

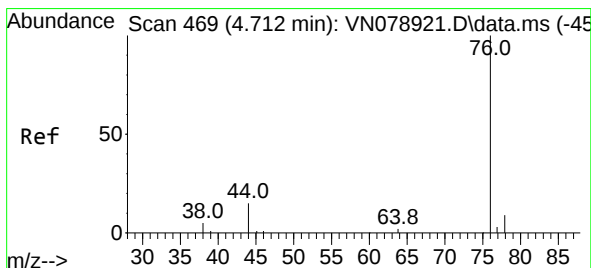
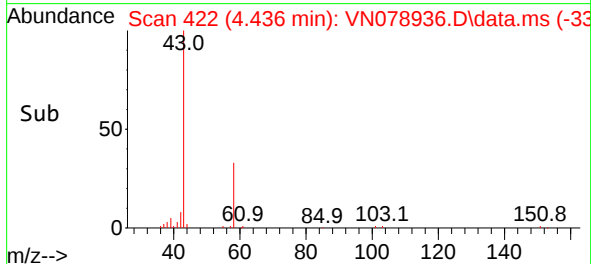
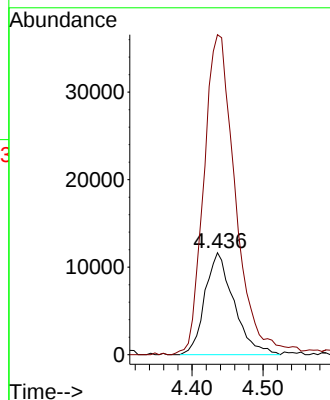
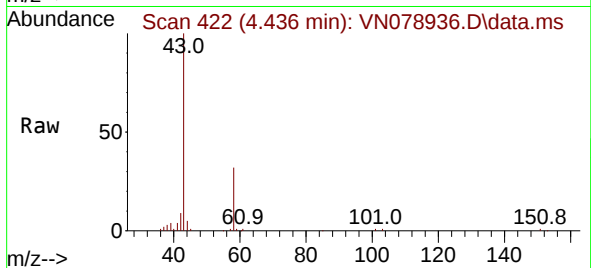
43 310.1 260.6 390.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/18/2023

Supervised By :Semsettin Yesilyurt 08/18/2023



#16

Carbon Disulfide

Concen: 19.277 ug/l

RT: 4.718 min Scan# 470

Delta R.T. 0.006 min

Lab File: VN078936.D

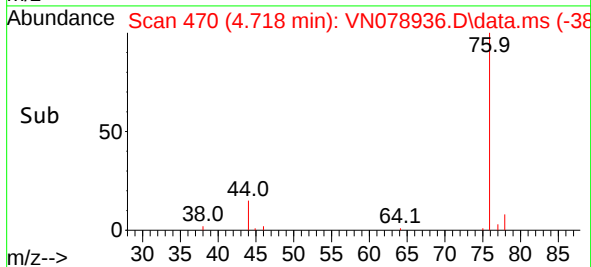
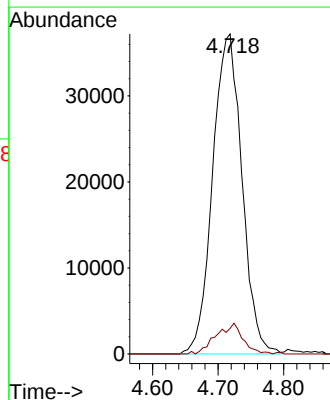
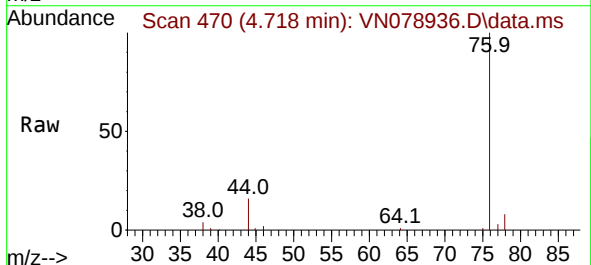
Acq: 17 Aug 2023 19:30

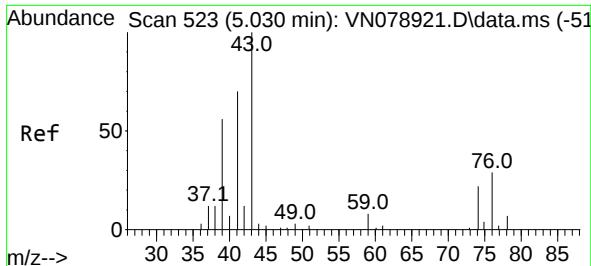
Tgt Ion: 76 Resp: 115358

Ion Ratio Lower Upper

76 100

78 8.0 7.0 10.6





#17

Allyl chloride

Concen: 18.769 ug/l

RT: 5.024 min Scan# 51

Delta R.T. -0.006 min

Lab File: VN078936.D

Acq: 17 Aug 2023 19:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

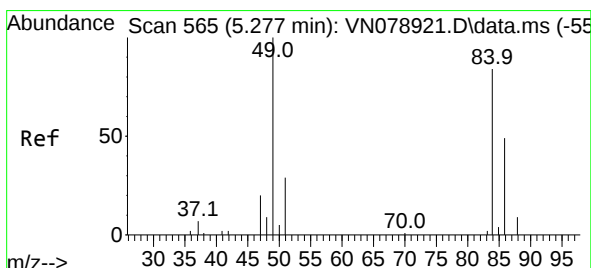
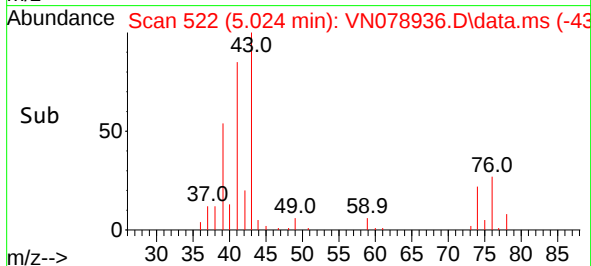
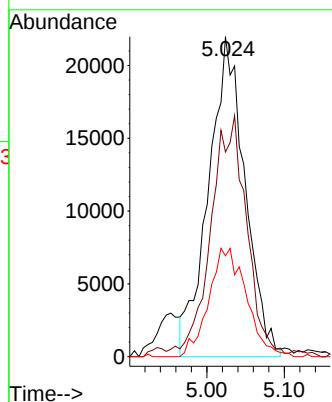
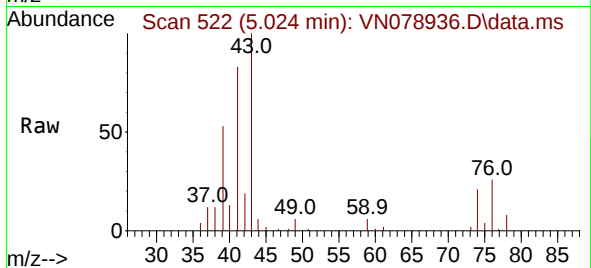
Tgt Ion:	41	Resp:	7164
Ion	Ratio	Lower	Upper
41	100		
39	62.9	36.9	110.7
76	32.3	17.3	51.9

Manual Integrations

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Reviewed By :John Carlone 08/18/2023

Supervised By :Semsettin Yesilyurt 08/18/2023



#18

Methylene Chloride

Concen: 21.273 ug/l m

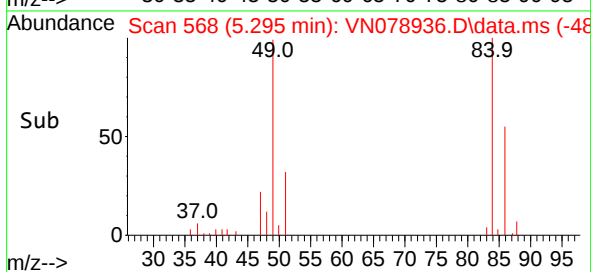
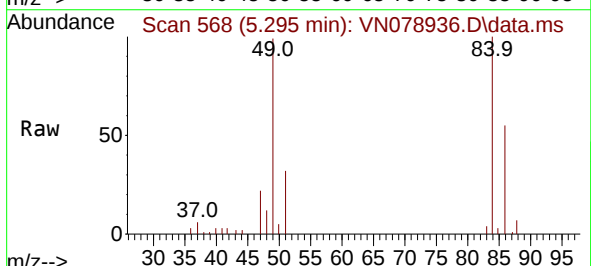
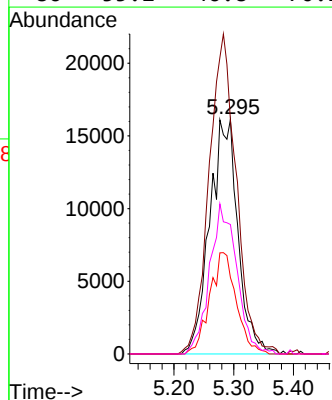
RT: 5.295 min Scan# 568

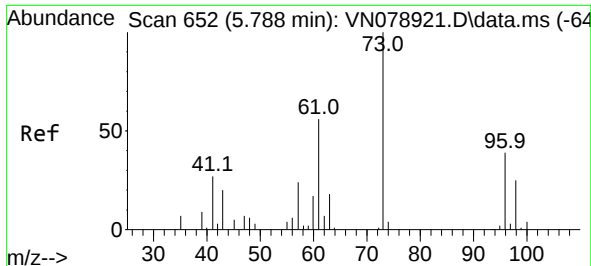
Delta R.T. 0.018 min

Lab File: VN078936.D

Acq: 17 Aug 2023 19:30

Tgt Ion:	84	Resp:	52966
Ion	Ratio	Lower	Upper
84	100		
49	99.5	95.8	143.6
51	32.5	28.6	43.0
86	55.2	46.8	70.2





#19

trans-1,2-Dichloroethene

Concen: 19.367 ug/l

RT: 5.789 min Scan# 652

Delta R.T. 0.000 min

Lab File: VN078936.D

Acq: 17 Aug 2023 19:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tgt Ion: 96 Resp: 45398

Ion Ratio Lower Upper

96 100

61 146.5 114.0 171.0

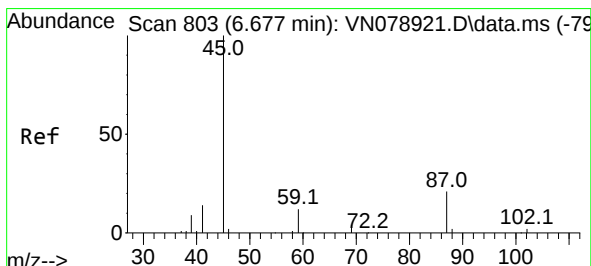
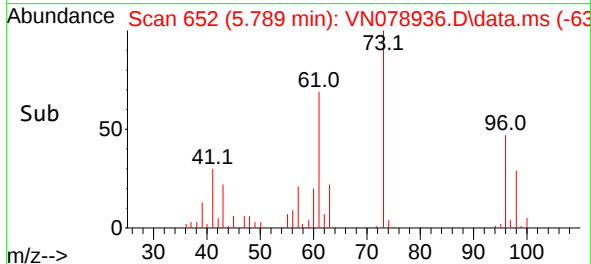
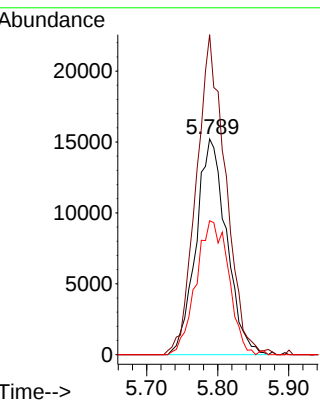
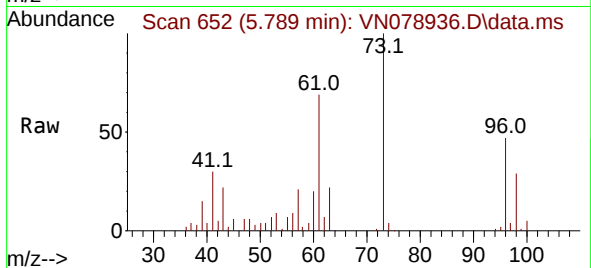
98 62.1 50.6 76.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/18/2023

Supervised By :Semsettin Yesilyurt 08/18/2023



#20

Diisopropyl ether

Concen: 19.776 ug/l

RT: 6.677 min Scan# 803

Delta R.T. 0.000 min

Lab File: VN078936.D

Acq: 17 Aug 2023 19:30

Tgt Ion: 45 Resp: 164221

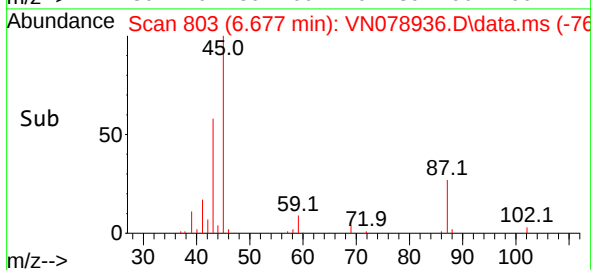
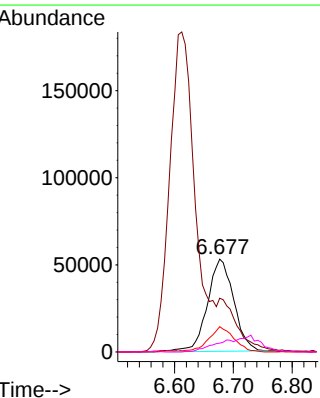
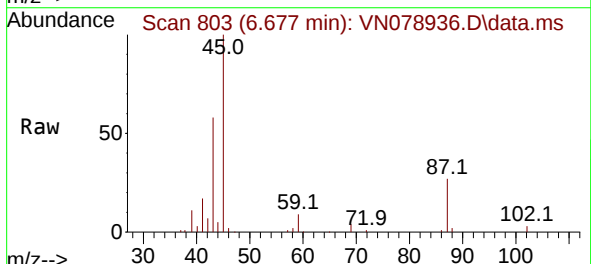
Ion Ratio Lower Upper

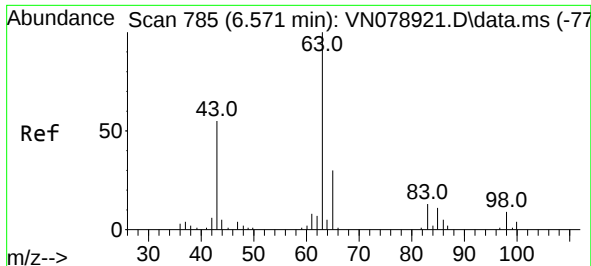
45 100

43 55.3 37.4 56.2

87 27.5 17.3 25.9#

59 9.6 9.4 14.2





#21

1,1-Dichloroethane

Concen: 19.988 ug/l

RT: 6.577 min Scan# 785

Delta R.T. 0.006 min

Lab File: VN078936.D

Acq: 17 Aug 2023 19:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

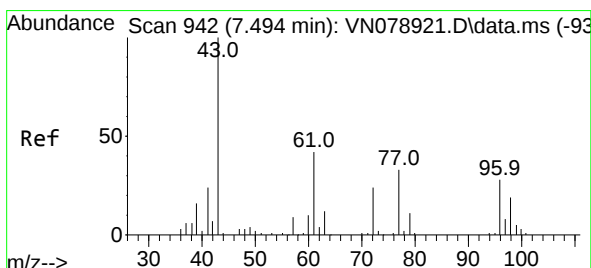
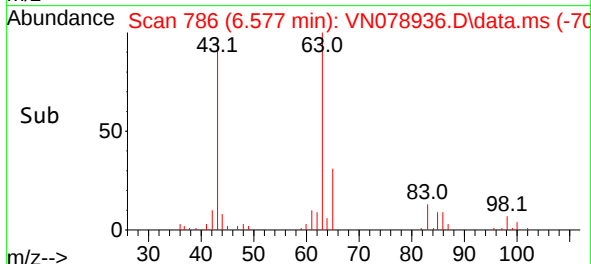
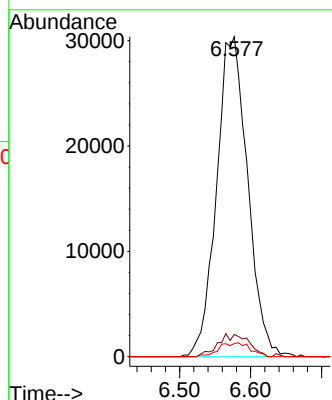
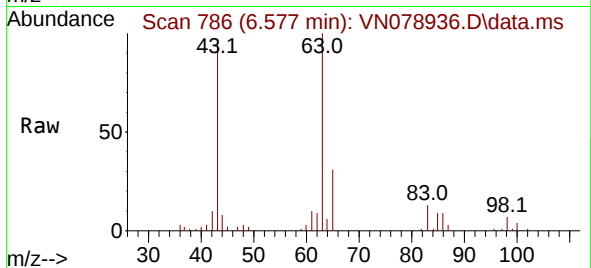
Tgt Ion: 63 Resp: 92100
 Ion Ratio Lower Upper
 63 100
 98 7.0 4.4 13.2
 100 4.1 2.1 6.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/18/2023

Supervised By :Semsettin Yesilyurt 08/18/2023



#22

cis-1,2-Dichloroethene

Concen: 20.130 ug/l

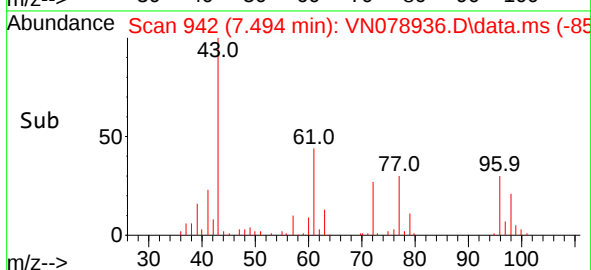
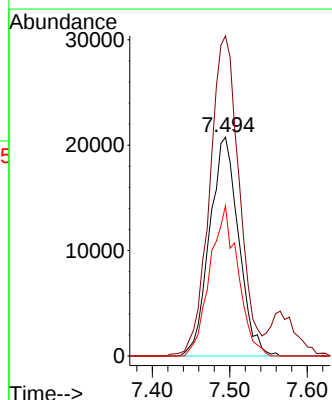
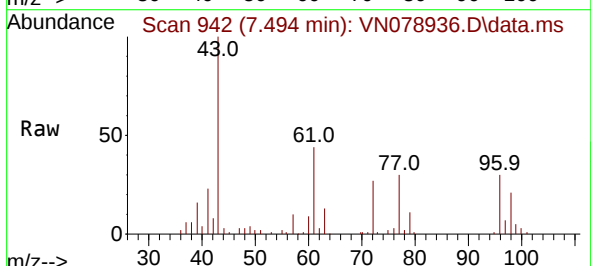
RT: 7.494 min Scan# 942

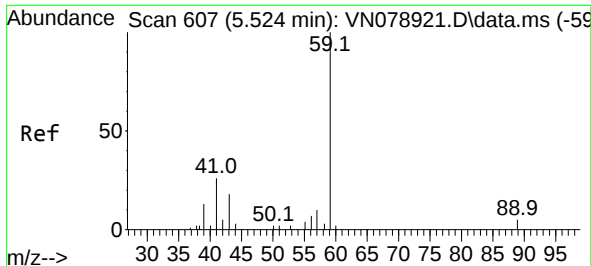
Delta R.T. 0.000 min

Lab File: VN078936.D

Acq: 17 Aug 2023 19:30

Tgt Ion: 96 Resp: 54005
 Ion Ratio Lower Upper
 96 100
 61 148.8 121.8 182.6
 98 66.5 50.7 76.1





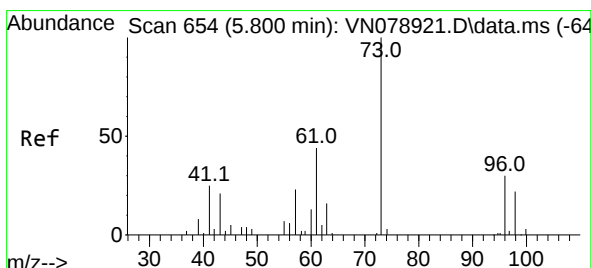
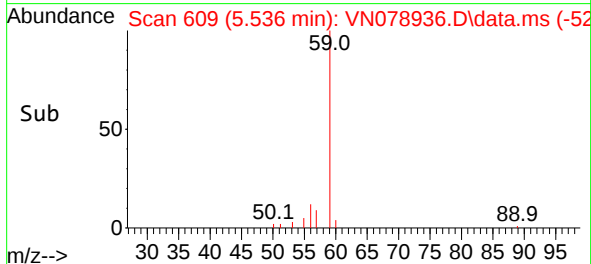
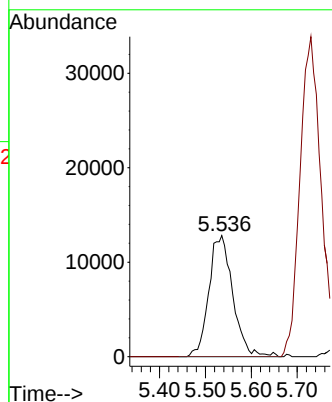
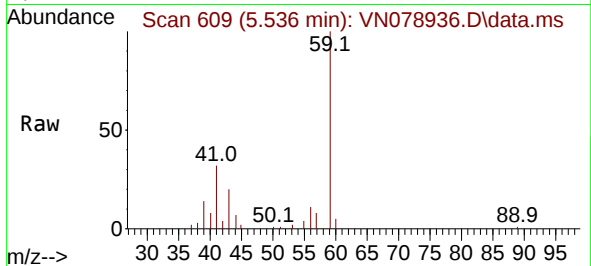
#23
tert-Butyl Alcohol
Concen: 96.814 ug/l m
RT: 5.536 min Scan# 607
Delta R.T. 0.012 min
Lab File: VN078936.D
Acq: 17 Aug 2023 19:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 59 Resp: 4634
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0

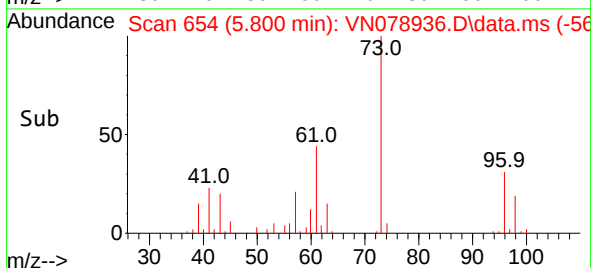
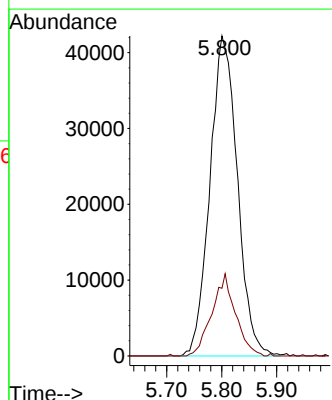
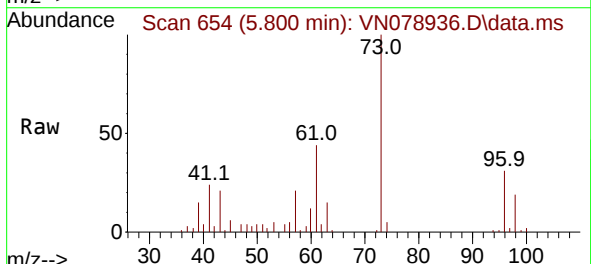
Manual Integrations
APPROVED

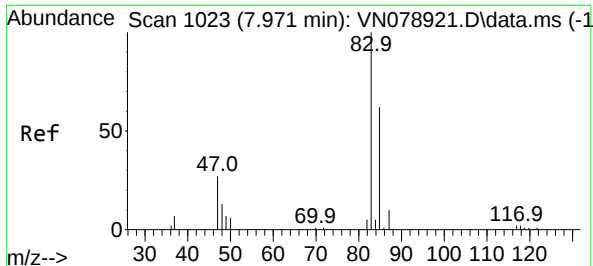
Reviewed By :John Carlone 08/18/2023
Supervised By :Semsettin Yesilyurt 08/18/2023



#24
Methyl tert-Butyl Ether
Concen: 19.815 ug/l
RT: 5.800 min Scan# 654
Delta R.T. 0.000 min
Lab File: VN078936.D
Acq: 17 Aug 2023 19:30

Tgt Ion: 73 Resp: 146496
Ion Ratio Lower Upper
73 100
43 22.0 17.3 25.9





#25

Chloroform

Concen: 19.901 ug/l

RT: 7.971 min Scan# 1023

Delta R.T. 0.000 min

Lab File: VN078936.D

Acq: 17 Aug 2023 19:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tgt Ion: 83 Resp: 92375

Ion Ratio Lower Upper

83 100

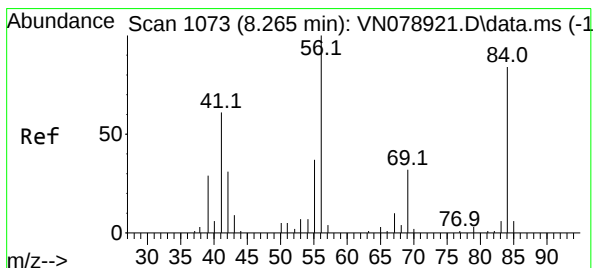
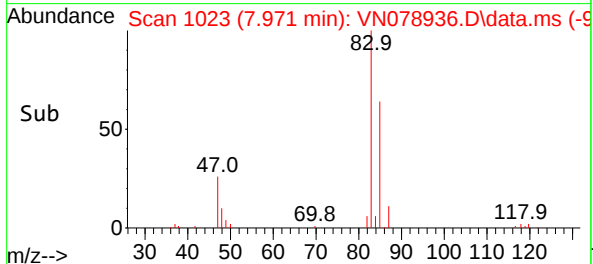
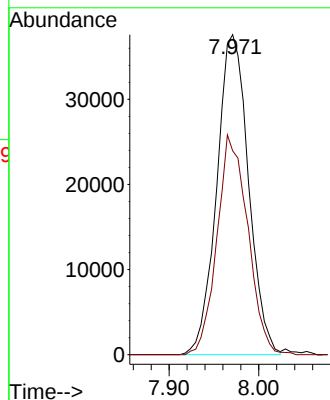
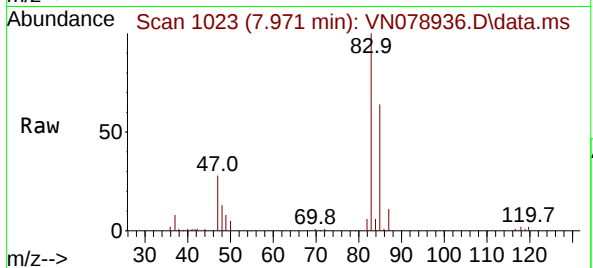
85 63.7 49.6 74.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/18/2023

Supervised By :Semsettin Yesilyurt 08/18/2023



#26

Cyclohexane

Concen: 19.889 ug/l

RT: 8.265 min Scan# 1073

Delta R.T. 0.000 min

Lab File: VN078936.D

Acq: 17 Aug 2023 19:30

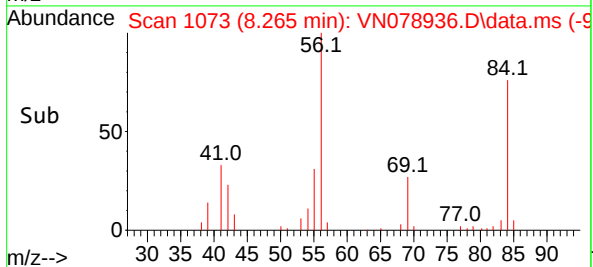
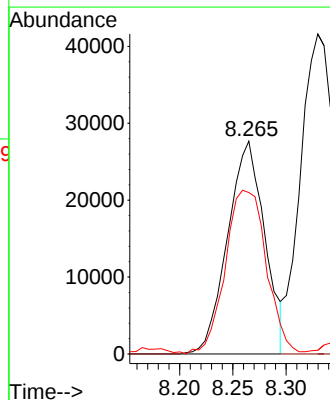
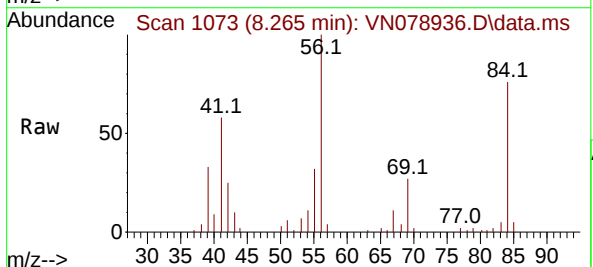
Tgt Ion: 56 Resp: 67038

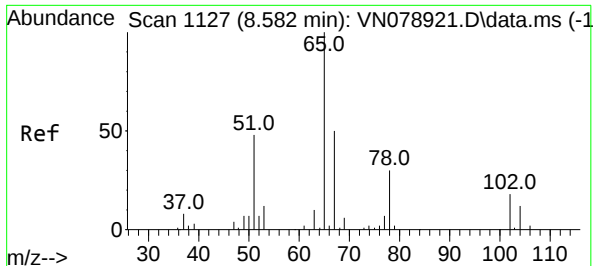
Ion Ratio Lower Upper

56 100

89 0.0 0.0 0.0

84 85.1 70.1 105.1





#27

1,2-Dichloroethane-d4

Concen: 30.468 ug/l

RT: 8.588 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VN078936.D

Acq: 17 Aug 2023 19:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tgt Ion: 65 Resp: 97050

Ion Ratio Lower Upper

65 100

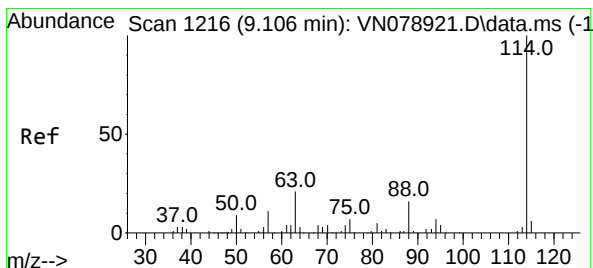
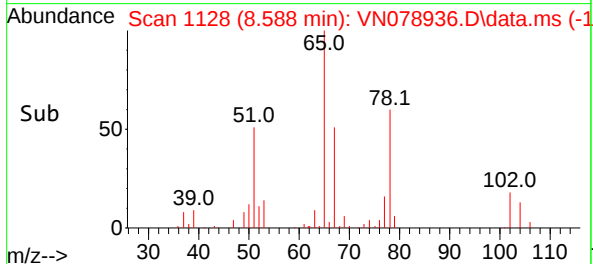
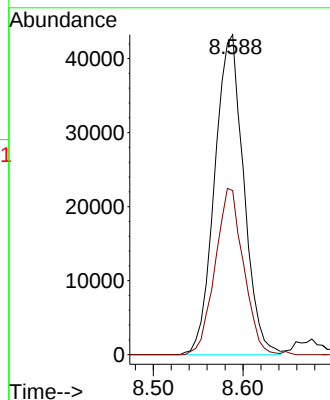
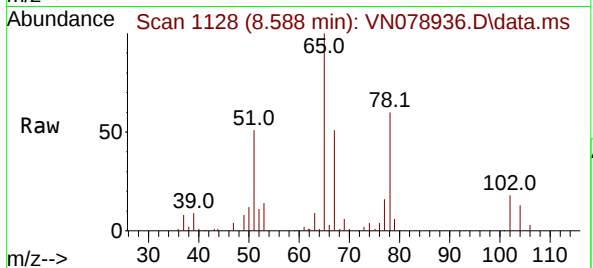
67 50.8 40.7 61.1

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: VN078936.D

Acq: 17 Aug 2023 19:30

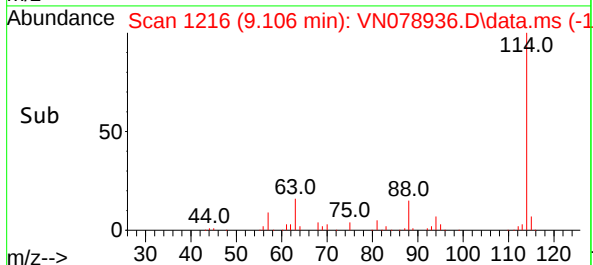
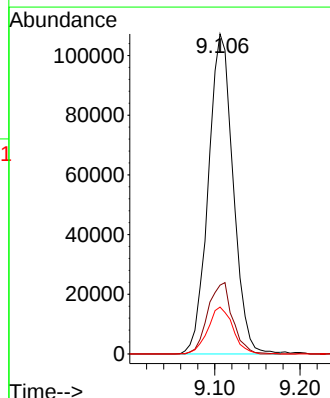
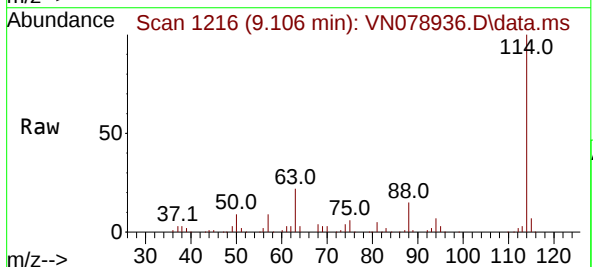
Tgt Ion:114 Resp: 217198

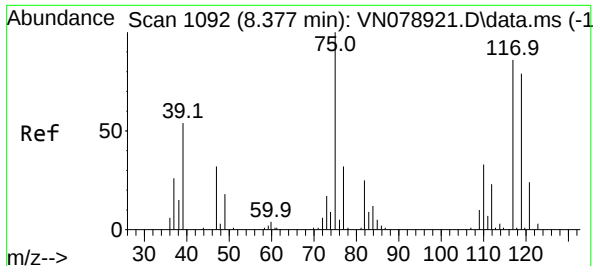
Ion Ratio Lower Upper

114 100

63 22.1 17.4 26.2

88 14.7 12.0 18.0





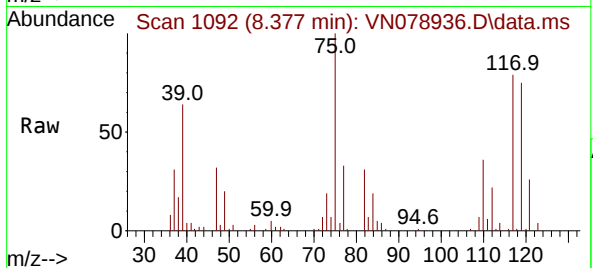
#29
1,1-Dichloropropene
Concen: 19.944 ug/l
RT: 8.377 min Scan# 1092
Delta R.T. 0.000 min
Lab File: VN078936.D
Acq: 17 Aug 2023 19:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC



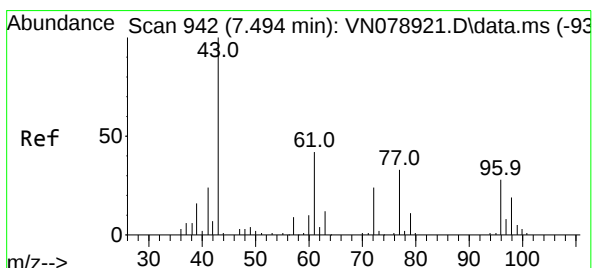
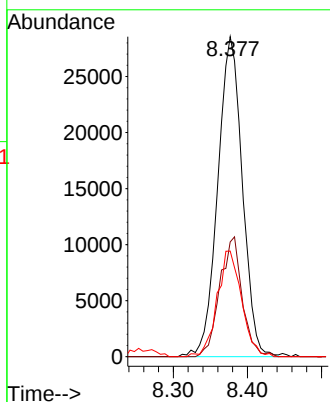
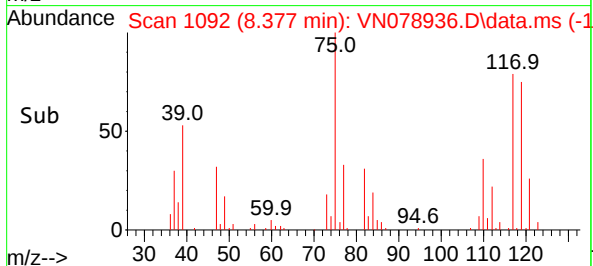
Tgt Ion: 75 Resp: 6589
Ion Ratio Lower Upper
75 100
110 34.0 0.0 65.8
77 32.2 0.0 60.4

Manual Integrations

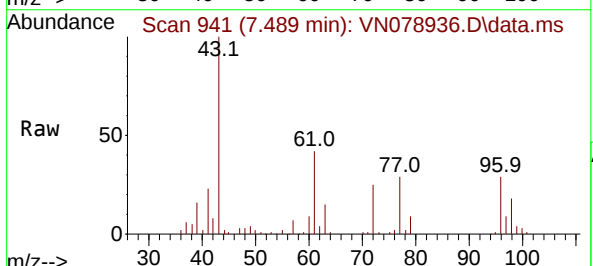
APPROVED

Reviewed By :John Carlone 08/18/2023

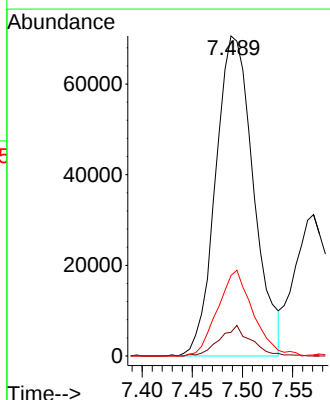
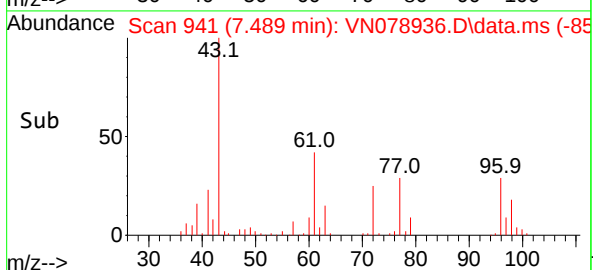
Supervised By :Semsettin Yesilyurt 08/18/2023

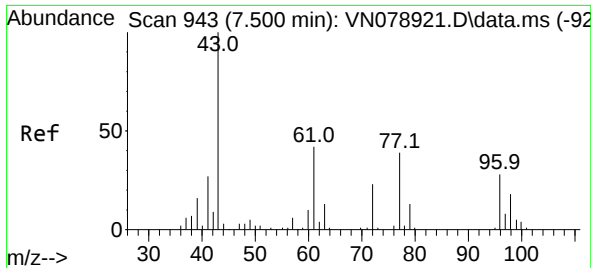


#30
2-Butanone
Concen: 96.038 ug/l
RT: 7.489 min Scan# 941
Delta R.T. -0.006 min
Lab File: VN078936.D
Acq: 17 Aug 2023 19:30



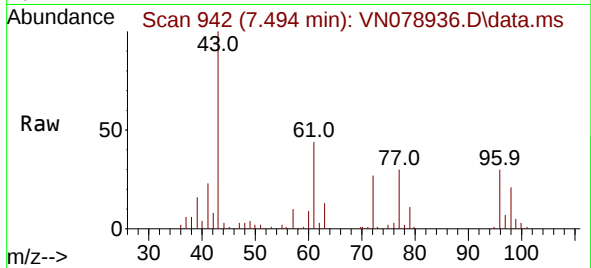
Tgt Ion: 43 Resp: 185759
Ion Ratio Lower Upper
43 100
57 7.8 6.2 9.4
72 24.7 19.4 29.2





#31
2,2-Dichloropropane
Concen: 16.691 ug/l
RT: 7.494 min Scan# 943
Delta R.T. -0.006 min
Lab File: VN078936.D
Acq: 17 Aug 2023 19:30

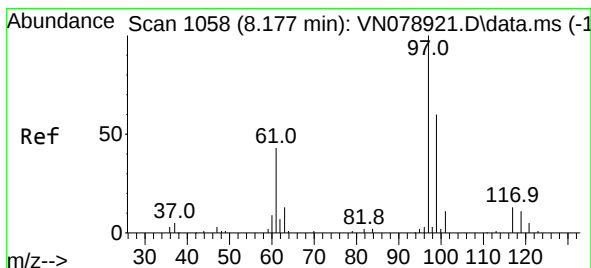
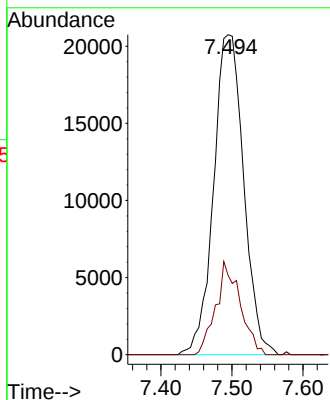
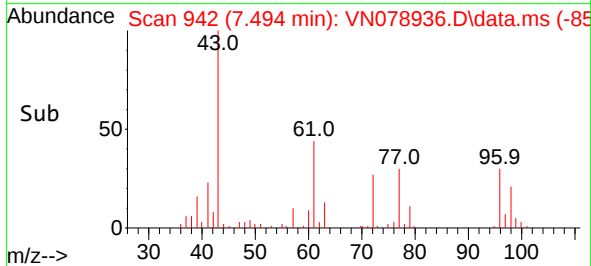
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



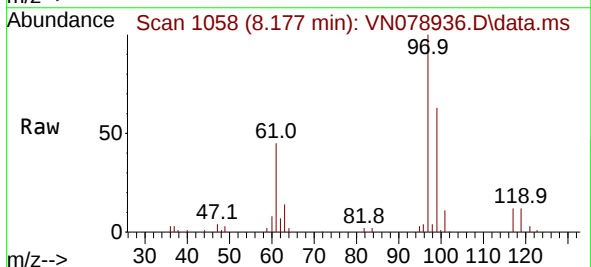
Tgt Ion: 77 Resp: 6094
Ion Ratio Lower Upper
77 100
97 15.6 17.6 26.4

Manual Integrations
APPROVED

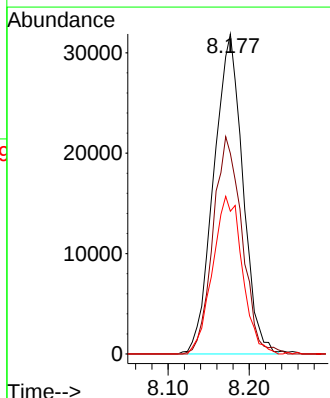
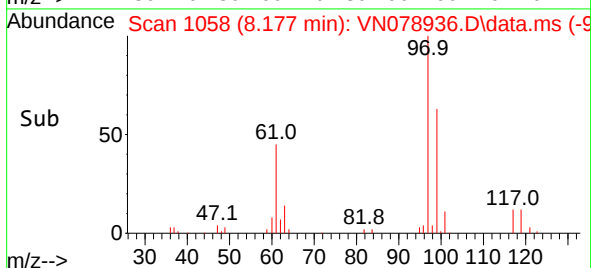
Reviewed By :John Carlone 08/18/2023
Supervised By :Semsettin Yesilyurt 08/18/2023

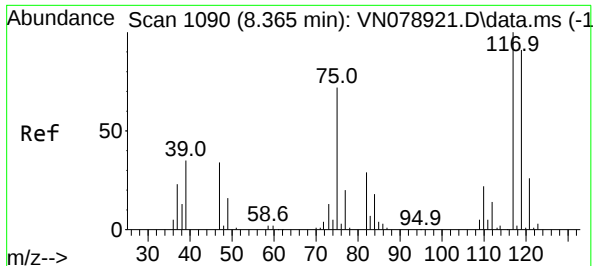


#32
1,1,1-Trichloroethane
Concen: 20.072 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. 0.000 min
Lab File: VN078936.D
Acq: 17 Aug 2023 19:30



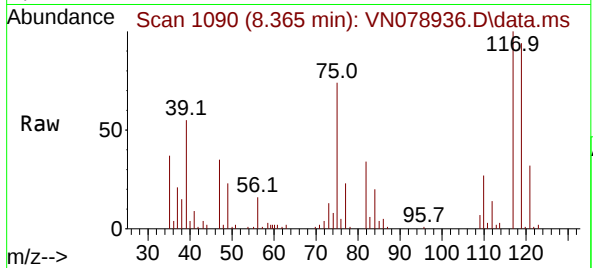
Tgt Ion: 97 Resp: 79178
Ion Ratio Lower Upper
97 100
99 67.2 52.0 78.0
61 50.4 37.0 55.6





#33
Carbon Tetrachloride
Concen: 20.926 ug/l
RT: 8.365 min Scan# 1090
Delta R.T. 0.000 min
Lab File: VN078936.D
Acq: 17 Aug 2023 19:30

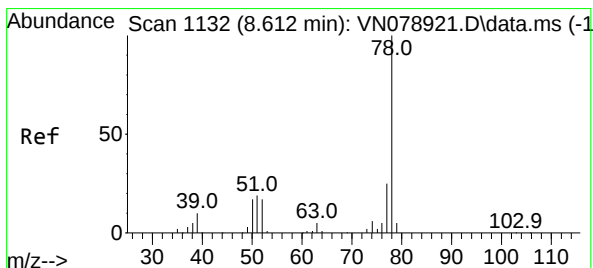
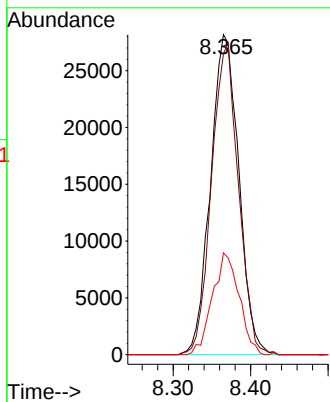
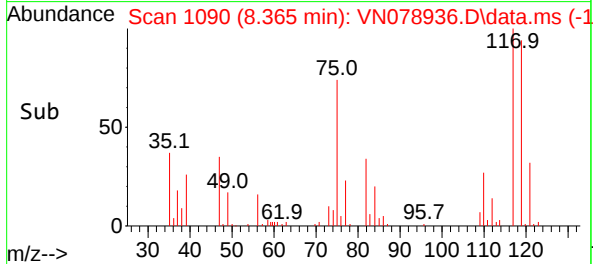
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion:117 Resp: 71500
Ion Ratio Lower Upper
117 100
119 94.1 72.6 108.8
121 31.8 20.7 31.1

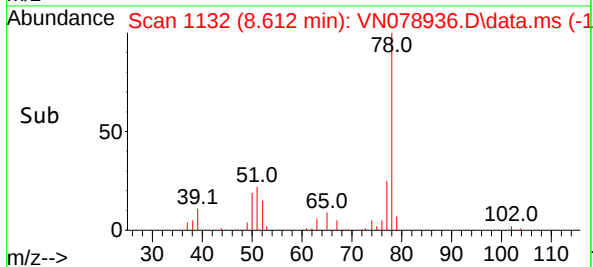
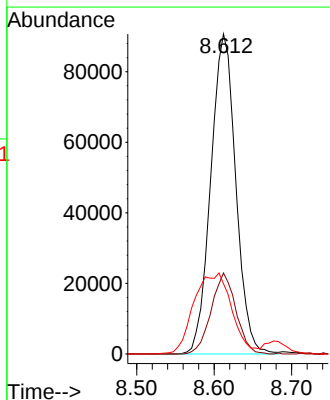
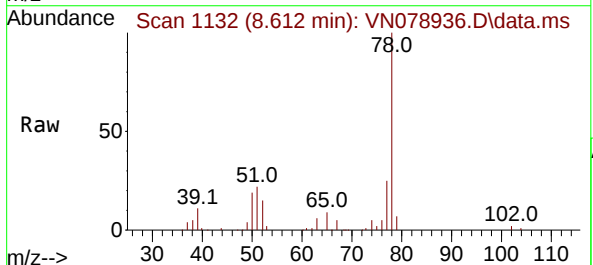
Manual Integrations
APPROVED

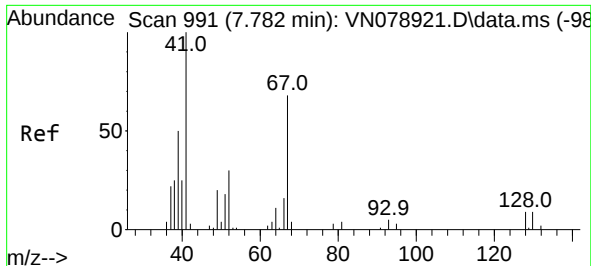
Reviewed By :John Carlone 08/18/2023
Supervised By :Semsettin Yesilyurt 08/18/2023



#34
Benzene
Concen: 20.551 ug/l
RT: 8.612 min Scan# 1132
Delta R.T. 0.000 min
Lab File: VN078936.D
Acq: 17 Aug 2023 19:30

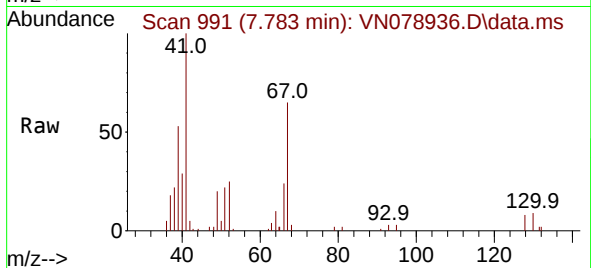
Tgt Ion: 78 Resp: 203483
Ion Ratio Lower Upper
78 100
77 25.3 19.9 29.9
51 19.8 14.8 22.2





#35
Methacrylonitrile
Concen: 20.143 ug/l
RT: 7.783 min Scan# 991
Delta R.T. 0.000 min
Lab File: VN078936.D
Acq: 17 Aug 2023 19:30

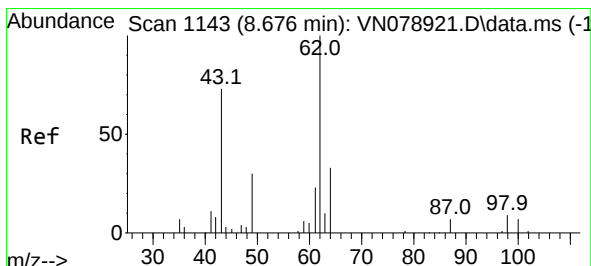
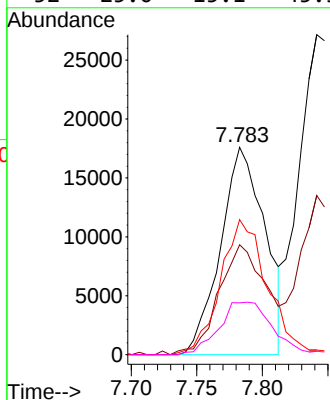
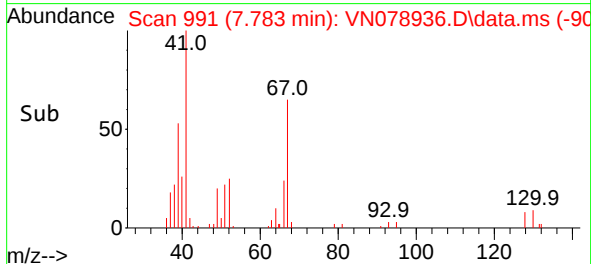
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion:	41	Resp:	4152
Ion Ratio	100	Lower	Upper
39	51.2	25.0	75.0
67	64.2	34.0	102.0
52	25.0	15.1	45.3

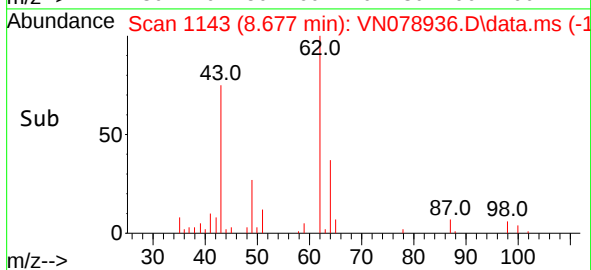
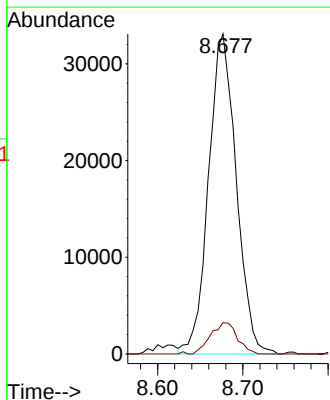
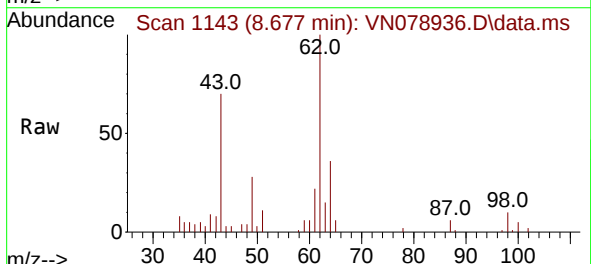
Manual Integrations
APPROVED

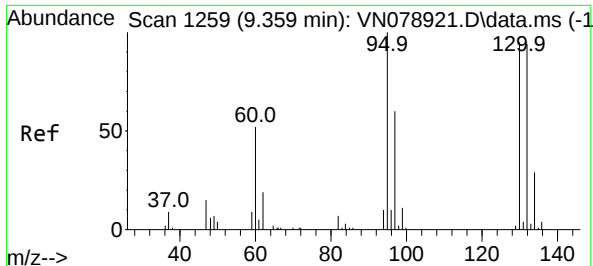
Reviewed By :John Carlone 08/18/2023
Supervised By :Semsettin Yesilyurt 08/18/2023



#36
1,2-Dichloroethane
Concen: 20.178 ug/l
RT: 8.677 min Scan# 1143
Delta R.T. 0.000 min
Lab File: VN078936.D
Acq: 17 Aug 2023 19:30

Tgt Ion:	62	Resp:	74817
Ion Ratio	100	Lower	Upper
98	9.4	8.1	12.1





#37

Trichloroethene

Concen: 19.804 ug/l

RT: 9.353 min Scan# 1258

Delta R.T. -0.006 min

Lab File: VN078936.D

Acq: 17 Aug 2023 19:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tgt Ion:130 Resp: 4881

Ion Ratio Lower Upper

130 100

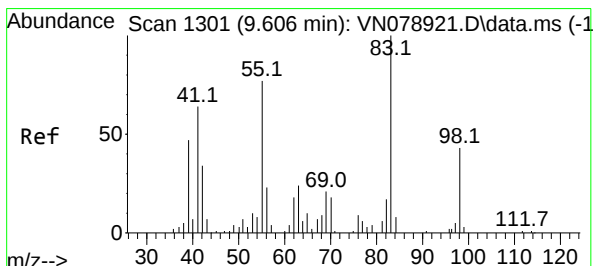
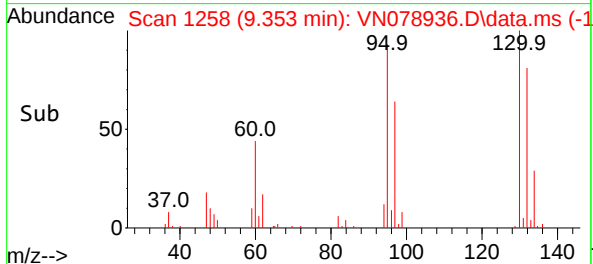
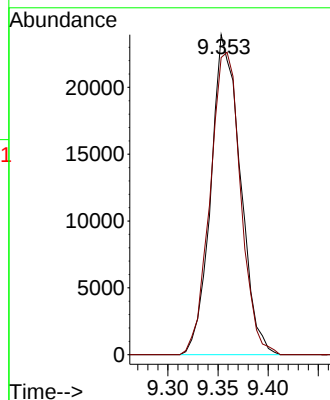
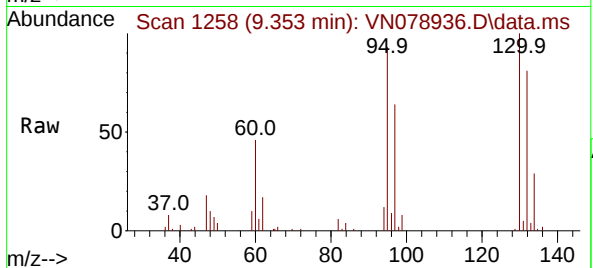
95 92.8 84.6 127.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/18/2023

Supervised By :Semsettin Yesilyurt 08/18/2023



#38

Methylcyclohexane

Concen: 19.531 ug/l

RT: 9.606 min Scan# 1301

Delta R.T. 0.000 min

Lab File: VN078936.D

Acq: 17 Aug 2023 19:30

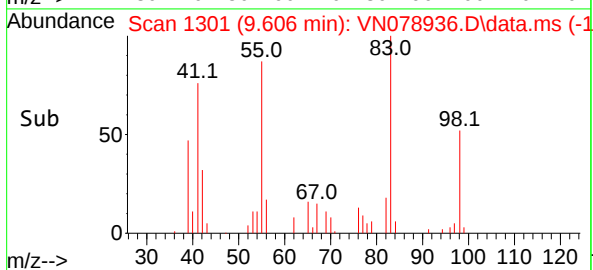
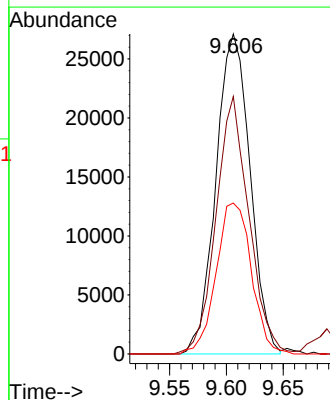
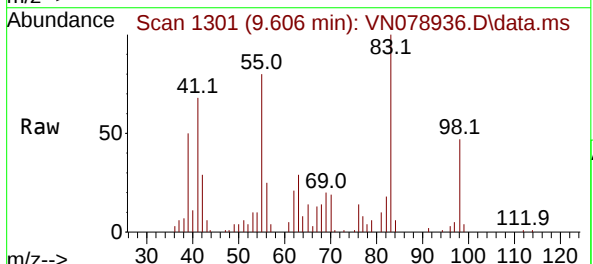
Tgt Ion: 83 Resp: 56812

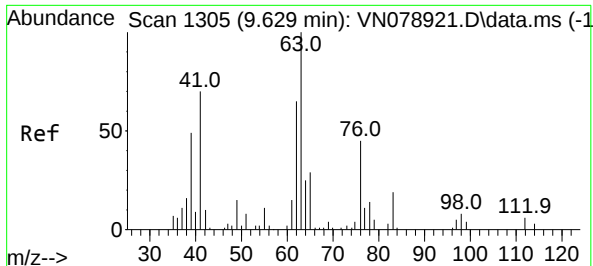
Ion Ratio Lower Upper

83 100

55 77.3 40.2 120.6

98 48.6 24.1 72.3





#39

1,2-Dichloropropane

Concen: 19.876 ug/l

RT: 9.630 min Scan# 1305

Delta R.T. 0.000 min

Lab File: VN078936.D

Acq: 17 Aug 2023 19:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tgt Ion: 63 Resp: 53010

Ion Ratio Lower Upper

63 100

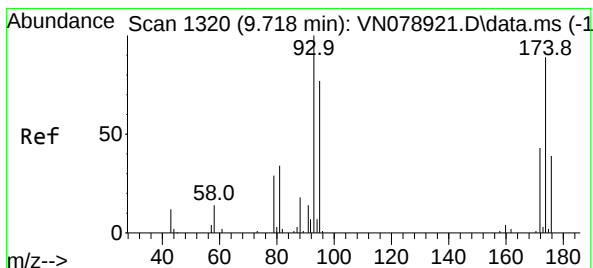
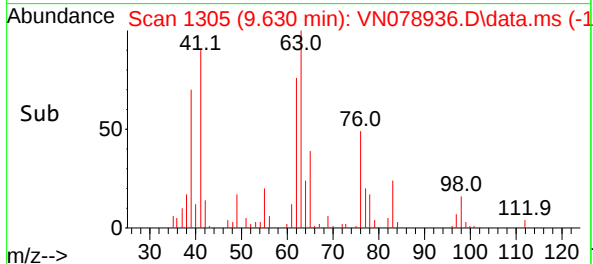
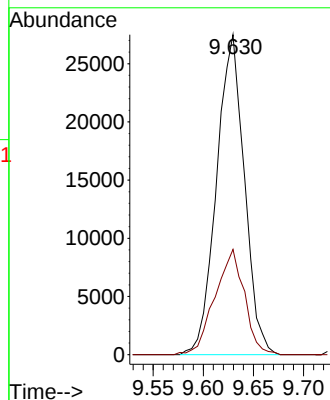
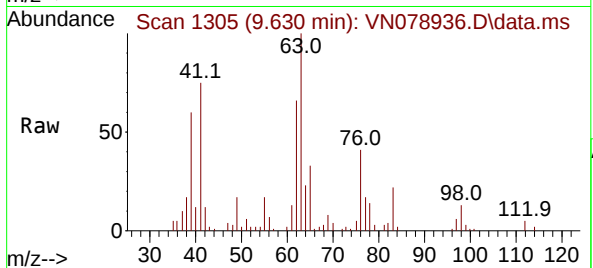
65 32.9 23.5 35.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/18/2023

Supervised By :Semsettin Yesilyurt 08/18/2023



#40

Dibromomethane

Concen: 21.204 ug/l

RT: 9.718 min Scan# 1320

Delta R.T. 0.000 min

Lab File: VN078936.D

Acq: 17 Aug 2023 19:30

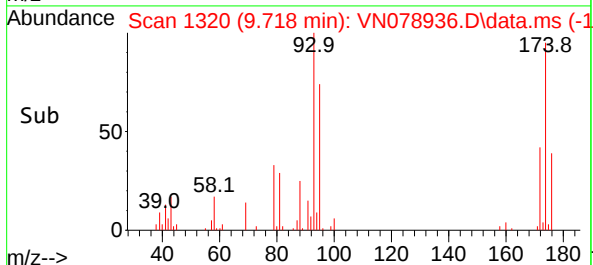
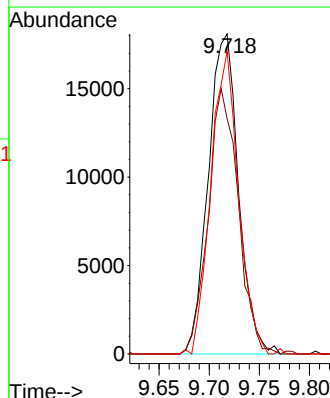
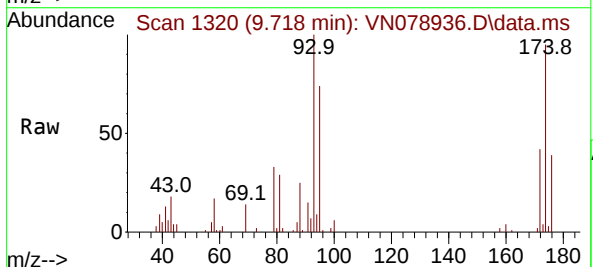
Tgt Ion: 93 Resp: 37907

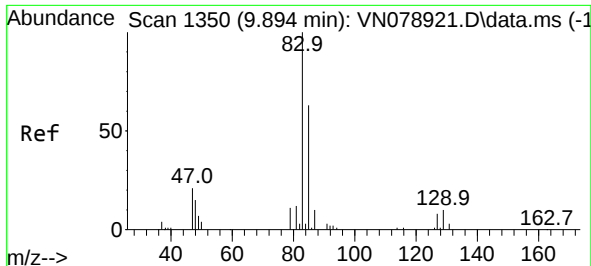
Ion Ratio Lower Upper

93 100

95 81.8 0.0 162.0

174 86.3 0.0 188.6





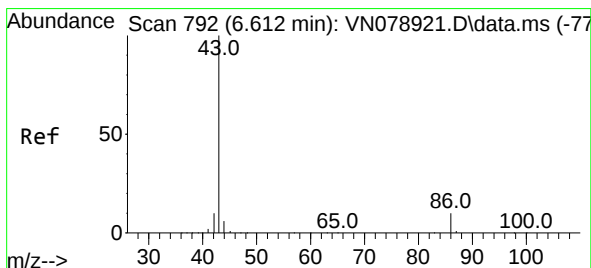
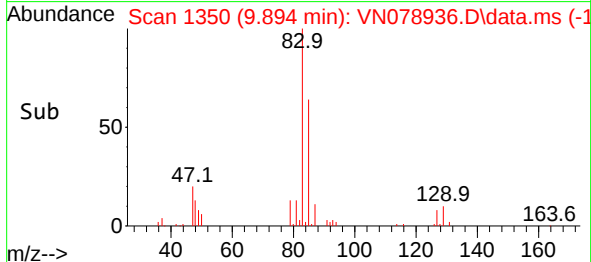
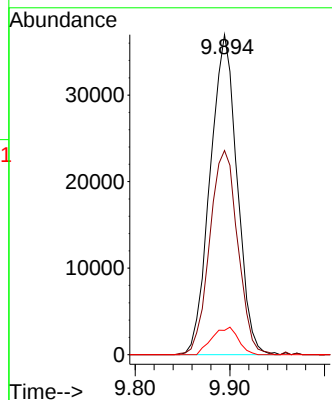
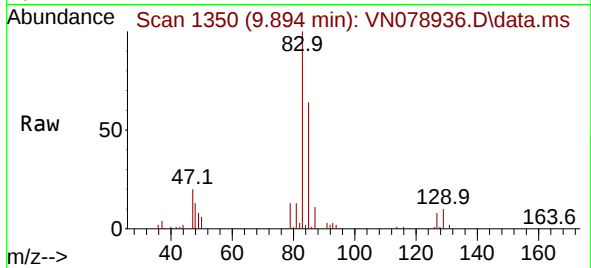
#41
Bromodichloromethane
Concen: 20.380 ug/l
RT: 9.894 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN078936.D
Acq: 17 Aug 2023 19:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 83 Resp: 73272
Ion Ratio Lower Upper
83 100
85 63.8 50.2 75.2
127 7.6 6.2 9.4

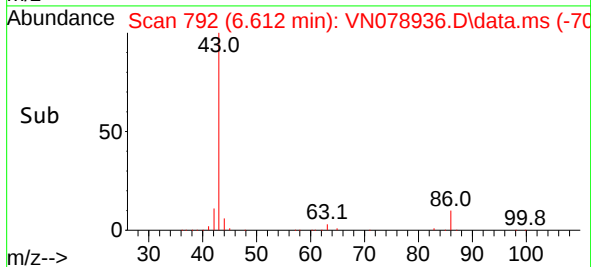
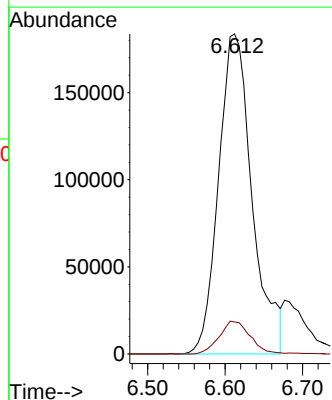
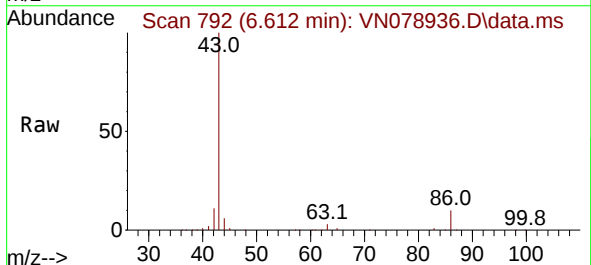
Manual Integrations
APPROVED

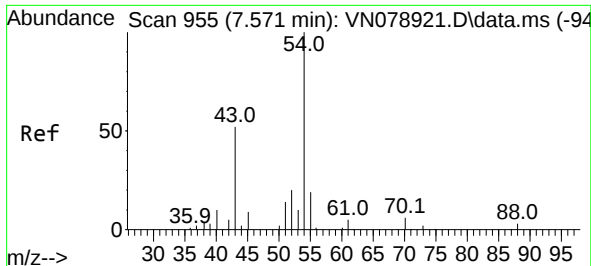
Reviewed By :John Carlone 08/18/2023
Supervised By :Semsettin Yesilyurt 08/18/2023



#42
Vinyl Acetate
Concen: 101.703 ug/l
RT: 6.612 min Scan# 792
Delta R.T. 0.000 min
Lab File: VN078936.D
Acq: 17 Aug 2023 19:30

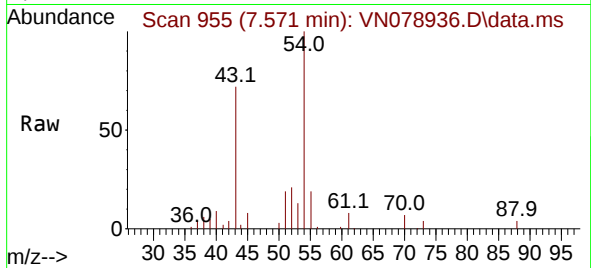
Tgt Ion: 43 Resp: 554628
Ion Ratio Lower Upper
43 100
86 9.4 7.4 11.0





#43
Ethyl Acetate
Concen: 19.061 ug/l
RT: 7.571 min Scan# 915
Delta R.T. 0.000 min
Lab File: VN078936.D
Acq: 17 Aug 2023 19:30

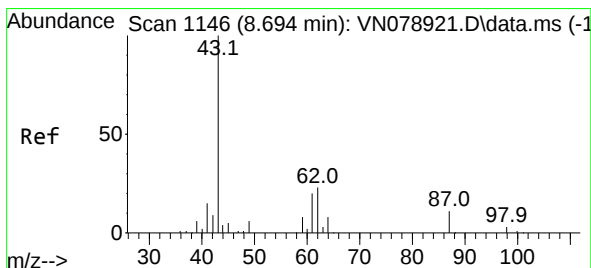
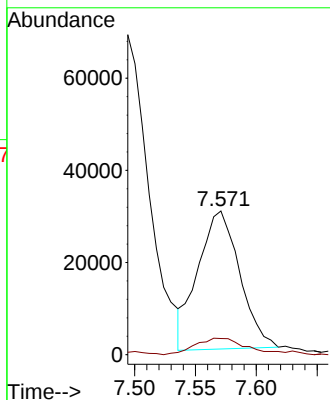
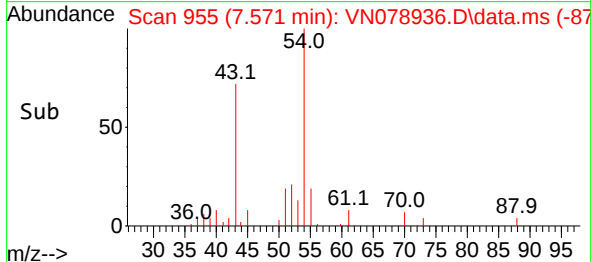
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



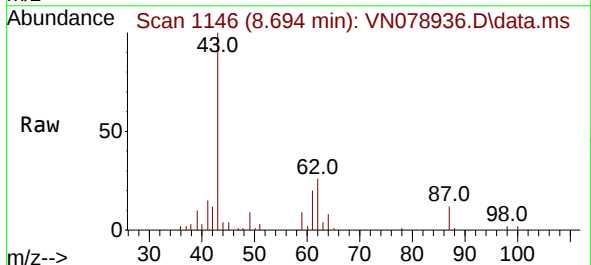
Tgt Ion: 43 Resp: 7152
Ion Ratio Lower Upper
43 100
45 13.7 9.6 14.4

Manual Integrations
APPROVED

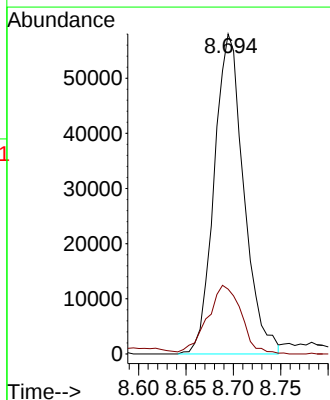
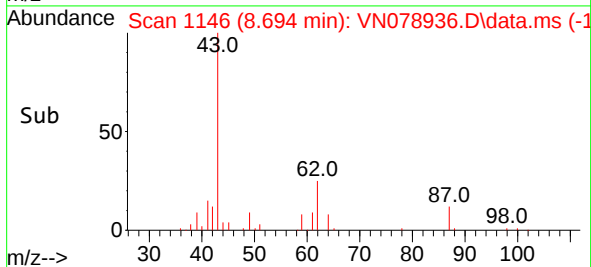
Reviewed By :John Carlone 08/18/2023
Supervised By :Semsettin Yesilyurt 08/18/2023

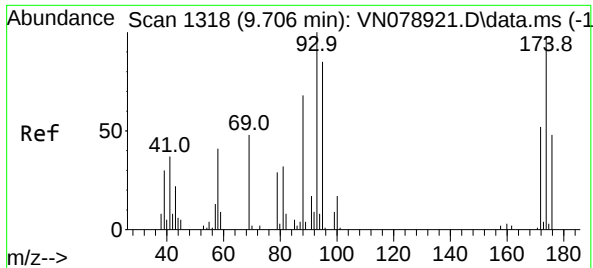


#44
Isopropyl Acetate
Concen: 19.078 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.000 min
Lab File: VN078936.D
Acq: 17 Aug 2023 19:30



Tgt Ion: 43 Resp: 126143
Ion Ratio Lower Upper
43 100
61 24.5 19.0 28.4





#45

1,4-Dioxane

Concen: 379.996 ug/l

RT: 9.700 min Scan# 11

Delta R.T. -0.006 min

Lab File: VN078936.D

Acq: 17 Aug 2023 19:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tgt Ion: 88 Resp: 1890

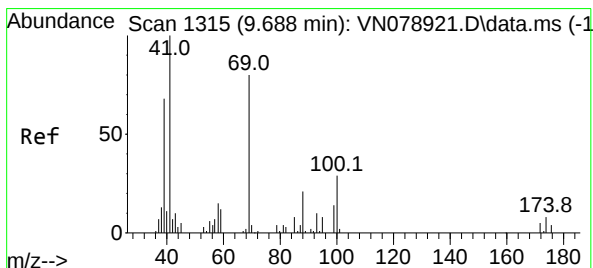
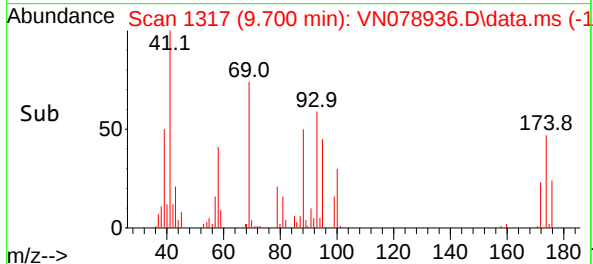
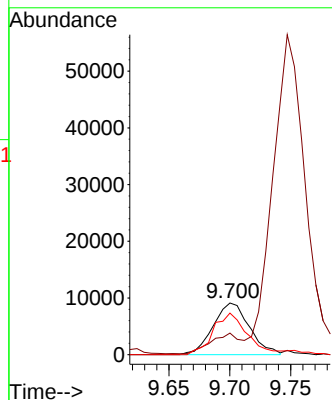
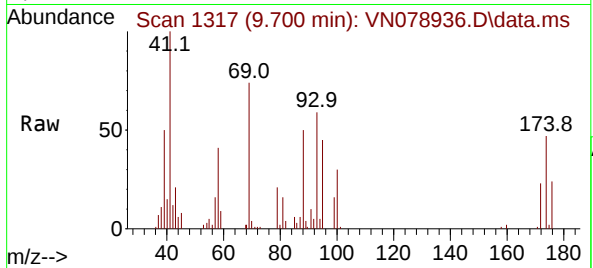
Ion	Ratio	Lower	Upper
88	100		
43	33.1	28.1	42.1
58	75.0	57.0	85.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/18/2023

Supervised By :Semsettin Yesilyurt 08/18/2023



#46

Methyl methacrylate

Concen: 19.928 ug/l

RT: 9.683 min Scan# 1314

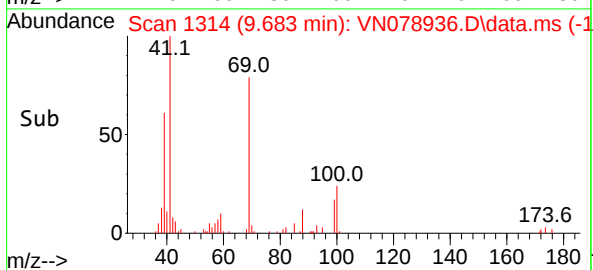
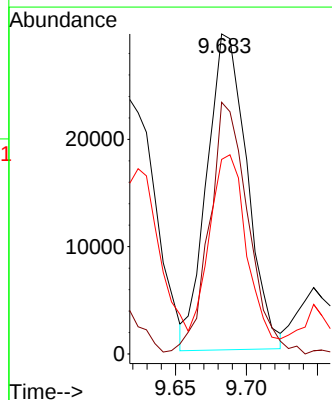
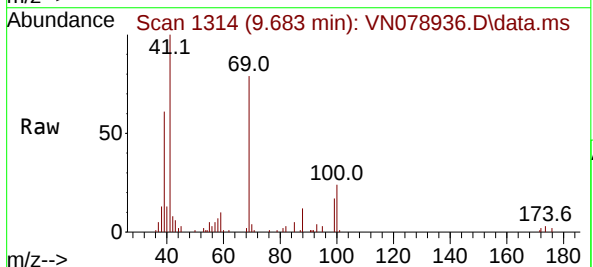
Delta R.T. -0.006 min

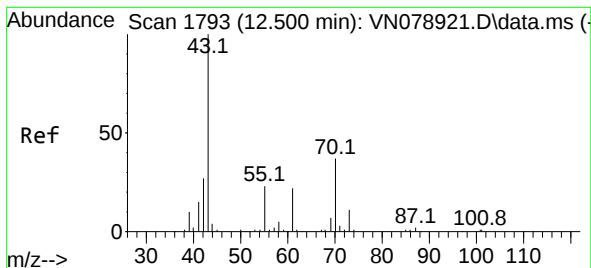
Lab File: VN078936.D

Acq: 17 Aug 2023 19:30

Tgt Ion: 41 Resp: 58052

Ion	Ratio	Lower	Upper
41	100		
69	80.7	38.5	115.5
39	60.0	35.9	107.8





#47

n-amyl Acetate

Concen: 19.256 ug/l

RT: 12.500 min Scan# 1793

Delta R.T. 0.000 min

Lab File: VN078936.D

Acq: 17 Aug 2023 19:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tgt Ion: 43 Resp: 9770

Ion Ratio Lower Upper

43 100

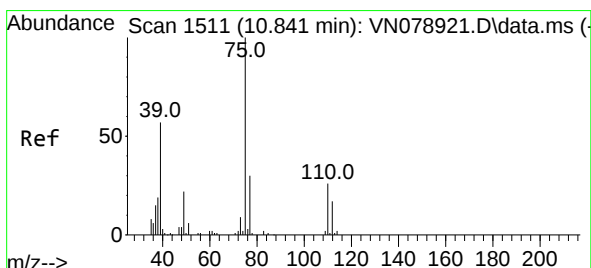
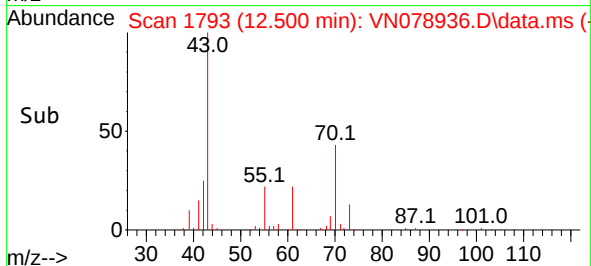
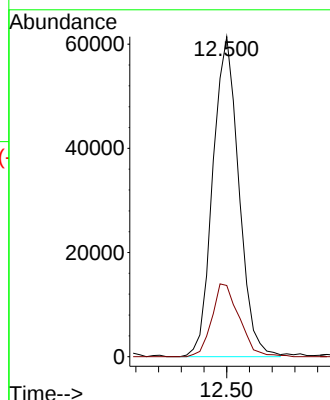
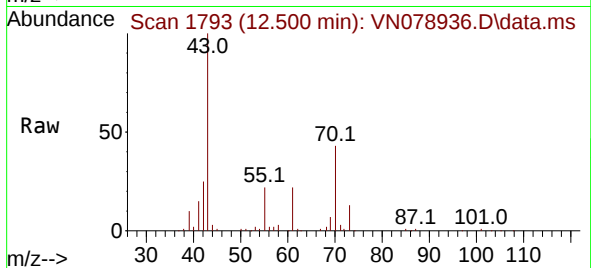
55 23.9 17.5 26.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/18/2023

Supervised By :Semsettin Yesilyurt 08/18/2023



#48

t-1,3-Dichloropropene

Concen: 19.762 ug/l

RT: 10.841 min Scan# 1511

Delta R.T. 0.000 min

Lab File: VN078936.D

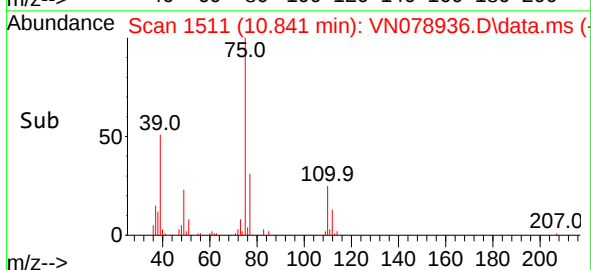
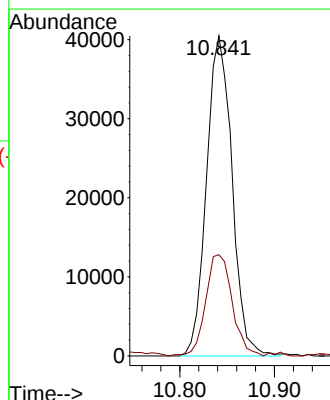
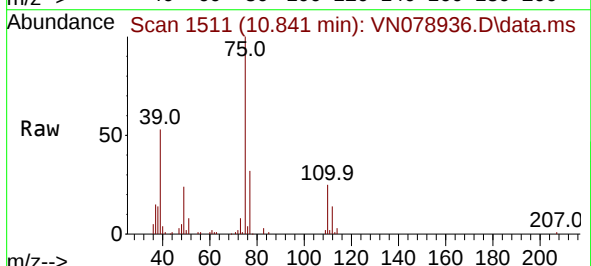
Acq: 17 Aug 2023 19:30

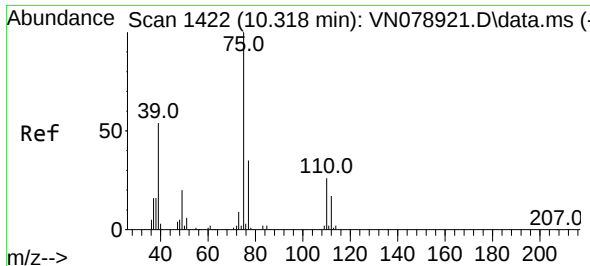
Tgt Ion: 75 Resp: 75670

Ion Ratio Lower Upper

75 100

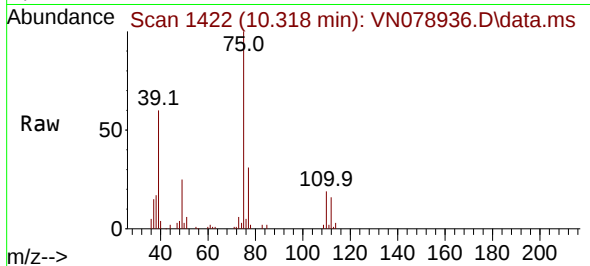
77 31.2 23.7 35.5





#49
 cis-1,3-Dichloropropene
 Concen: 19.886 ug/l
 RT: 10.318 min Scan# 1422
 Delta R.T. 0.000 min
 Lab File: VN078936.D
 Acq: 17 Aug 2023 19:30

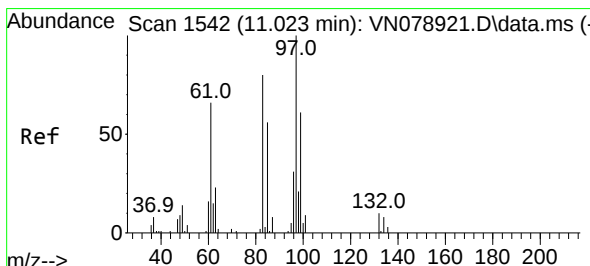
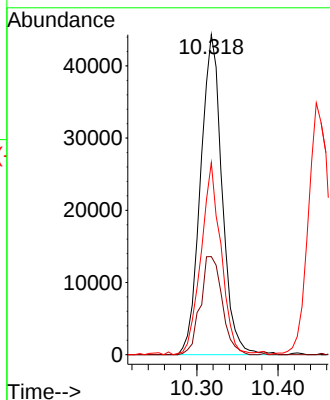
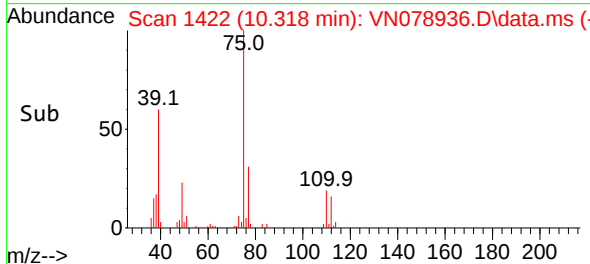
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC



Tgt Ion: 75 Resp: 81648
 Ion Ratio Lower Upper
 75 100
 77 30.7 27.8 41.8
 39 59.6 43.5 65.3

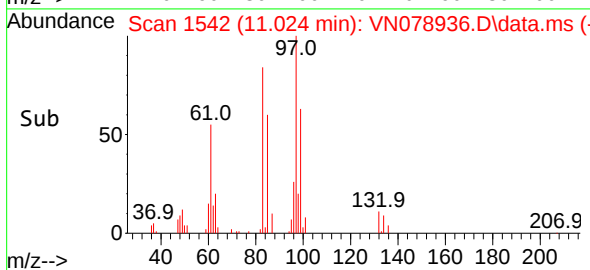
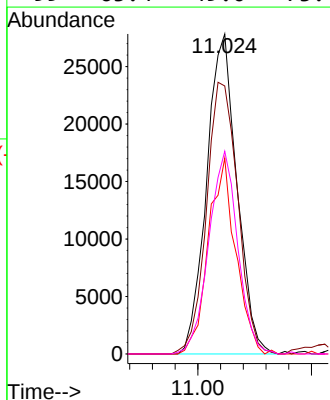
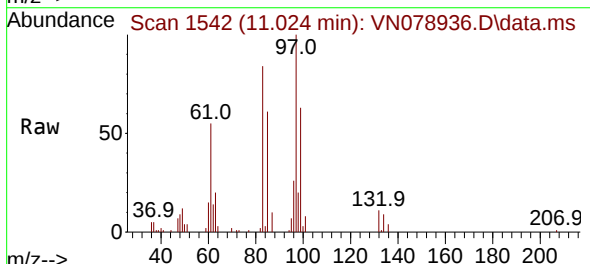
Manual Integrations
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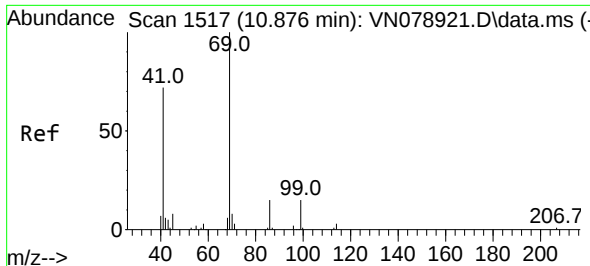
Reviewed By :John Carlone 08/18/2023
 Supervised By :Semsettin Yesilyurt 08/18/2023



#50
 1,1,2-Trichloroethane
 Concen: 21.316 ug/l
 RT: 11.024 min Scan# 1542
 Delta R.T. 0.000 min
 Lab File: VN078936.D
 Acq: 17 Aug 2023 19:30

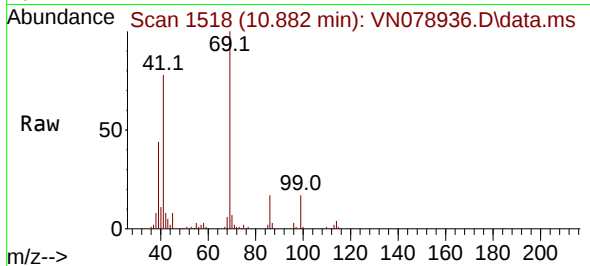
Tgt Ion: 97 Resp: 51497
 Ion Ratio Lower Upper
 97 100
 83 83.7 63.7 95.5
 85 61.2 44.9 67.3
 99 63.4 49.0 73.4





#51
Ethyl methacrylate
Concen: 18.976 ug/l
RT: 10.882 min Scan# 1518
Delta R.T. 0.006 min
Lab File: VN078936.D
Acq: 17 Aug 2023 19:30

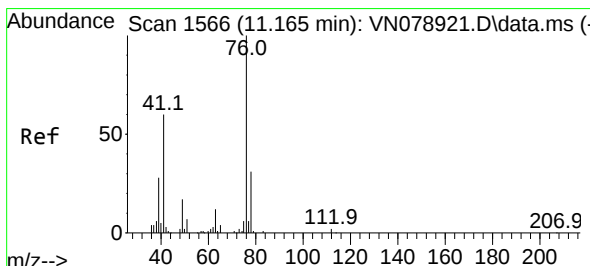
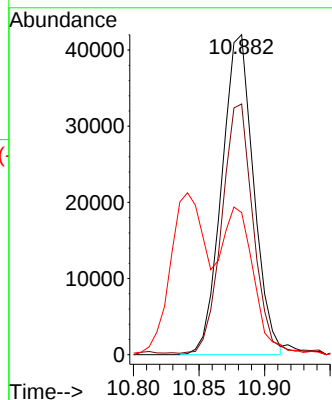
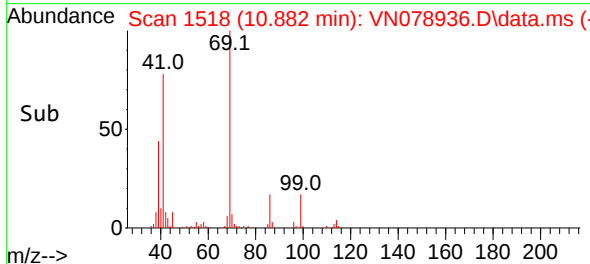
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 69 Resp: 70950
Ion Ratio Lower Upper
69 100
41 77.9 35.9 107.8
39 41.2 23.5 70.5

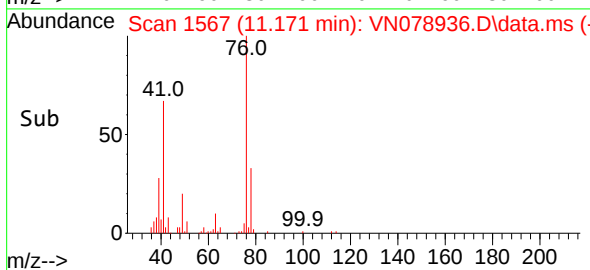
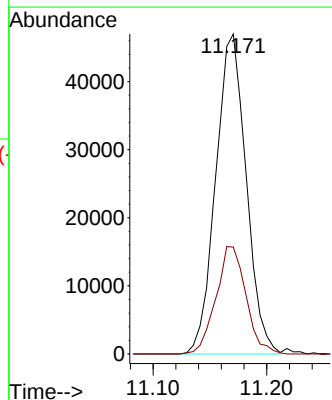
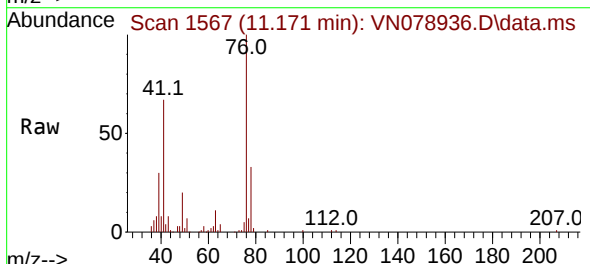
Manual Integrations
APPROVED

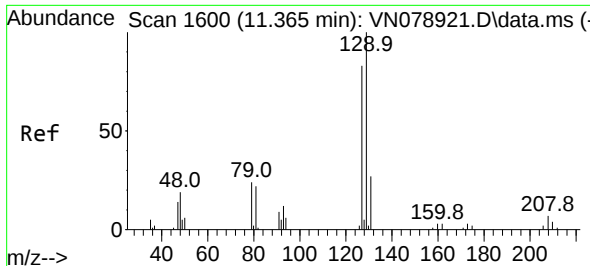
Reviewed By :John Carlone 08/18/2023
Supervised By :Semsettin Yesilyurt 08/18/2023



#52
1,3-Dichloropropane
Concen: 20.232 ug/l
RT: 11.171 min Scan# 1567
Delta R.T. 0.006 min
Lab File: VN078936.D
Acq: 17 Aug 2023 19:30

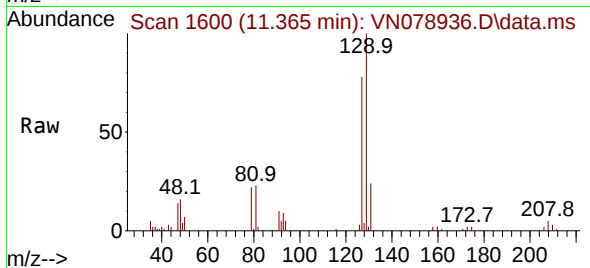
Tgt Ion: 76 Resp: 87549
Ion Ratio Lower Upper
76 100
78 33.0 0.0 64.6





#53
Dibromochloromethane
Concen: 20.792 ug/l
RT: 11.365 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VN078936.D
Acq: 17 Aug 2023 19:30

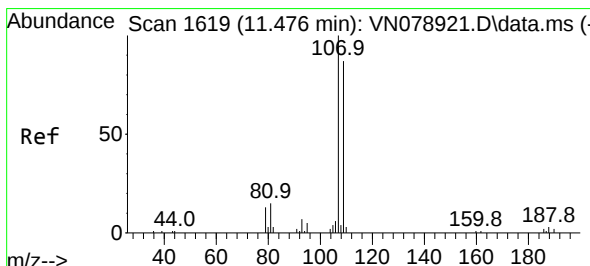
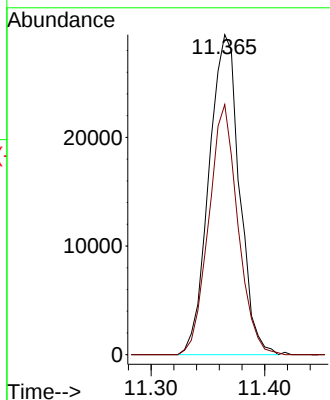
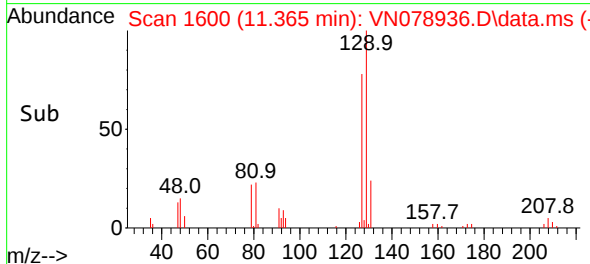
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



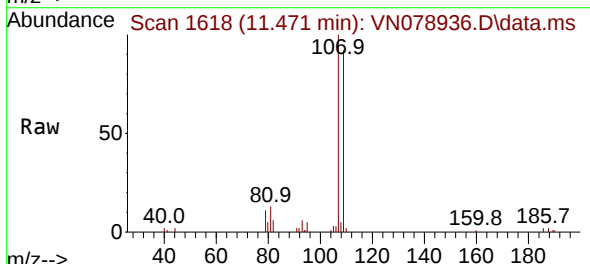
Tgt Ion:129 Resp: 5497
Ion Ratio Lower Upper
129 100
127 74.6 40.1 120.2

Manual Integrations
APPROVED

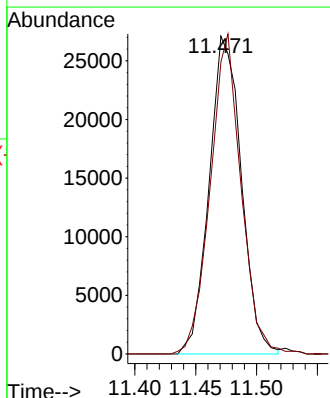
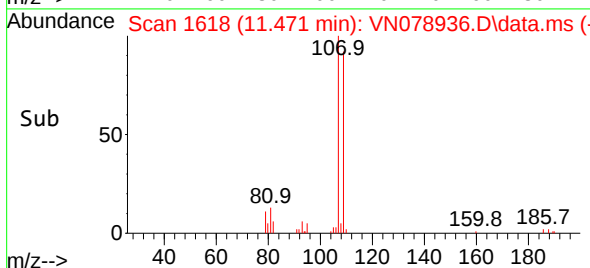
Reviewed By :John Carlone 08/18/2023
Supervised By :Semsettin Yesilyurt 08/18/2023

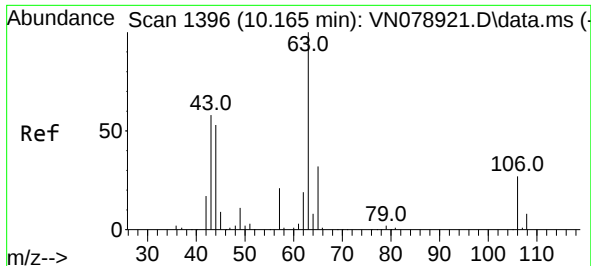


#54
1,2-Dibromoethane
Concen: 20.087 ug/l
RT: 11.471 min Scan# 1618
Delta R.T. -0.006 min
Lab File: VN078936.D
Acq: 17 Aug 2023 19:30



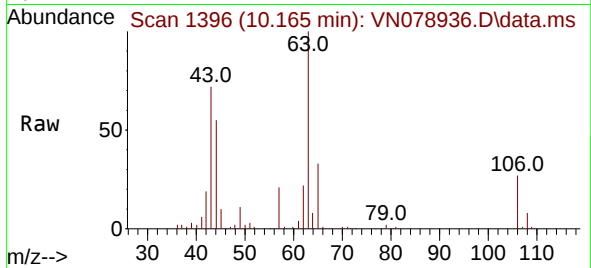
Tgt Ion:107 Resp: 49823
Ion Ratio Lower Upper
107 100
109 96.1 71.7 107.5





#55
2-Chloroethyl vinyl ether
Concen: 96.231 ug/l
RT: 10.165 min Scan# 1396
Delta R.T. 0.000 min
Lab File: VN078936.D
Acq: 17 Aug 2023 19:30

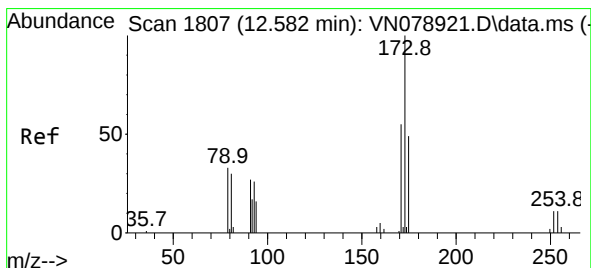
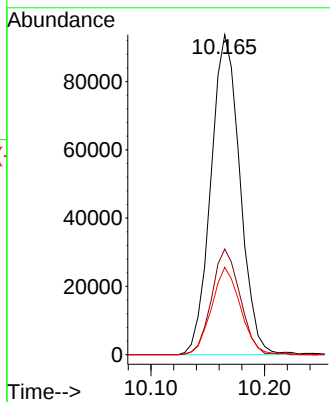
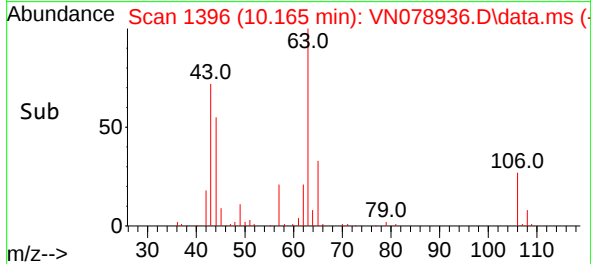
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 63 Resp: 16632
Ion Ratio Lower Upper
63 100
65 32.1 25.4 38.2
106 27.2 22.3 33.5

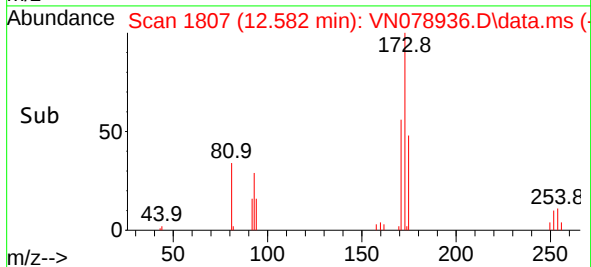
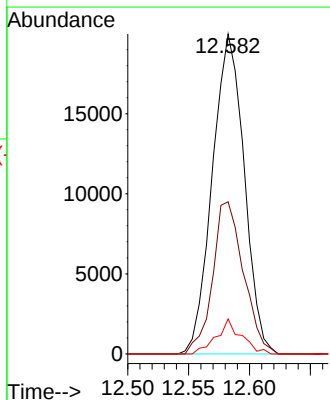
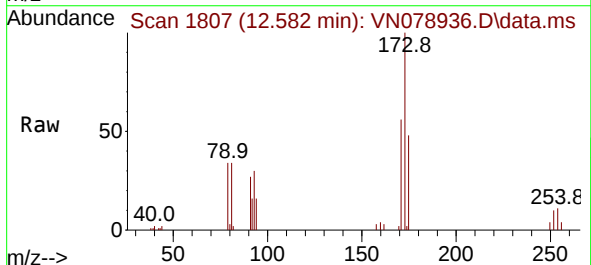
Manual Integrations
APPROVED

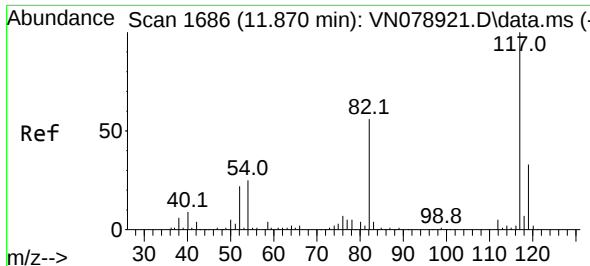
Reviewed By :John Carlone 08/18/2023
Supervised By :Semsettin Yesilyurt 08/18/2023



#56
Bromoform
Concen: 19.471 ug/l
RT: 12.582 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VN078936.D
Acq: 17 Aug 2023 19:30

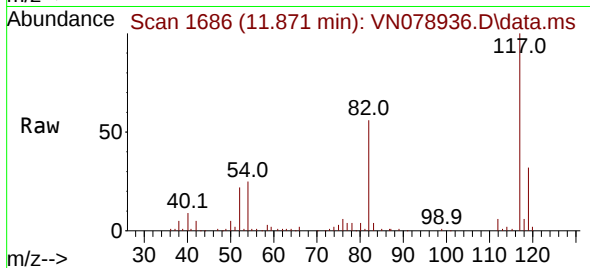
Tgt Ion:173 Resp: 36325
Ion Ratio Lower Upper
173 100
175 46.1 38.8 58.2
254 8.5 7.6 11.4





#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VN078936.D
Acq: 17 Aug 2023 19:30

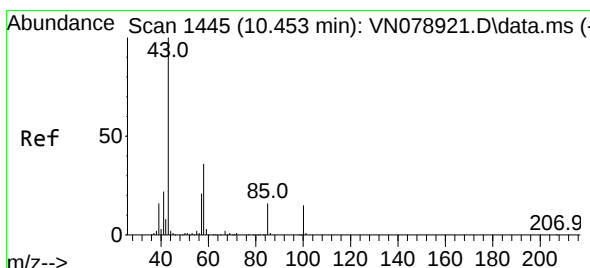
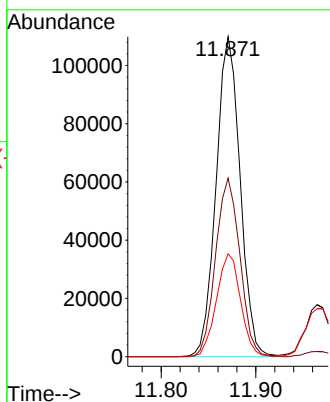
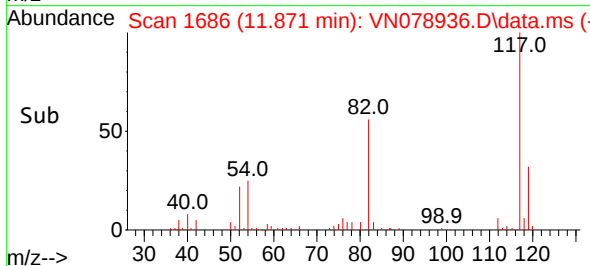
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



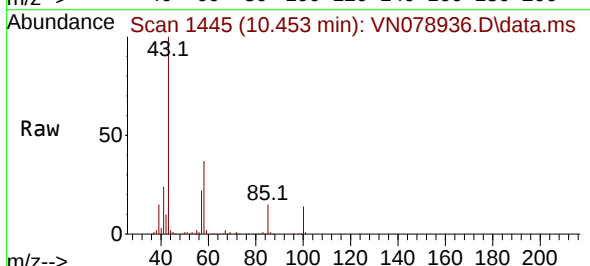
Tgt Ion:117 Resp: 194418
Ion Ratio Lower Upper
117 100
82 56.1 43.4 65.0
119 32.2 25.5 38.3

Manual Integrations
APPROVED

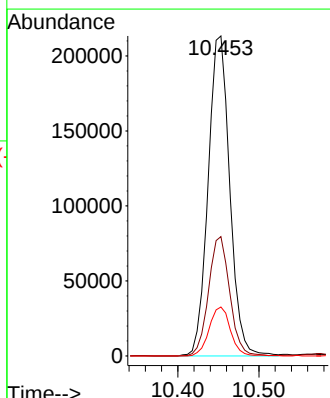
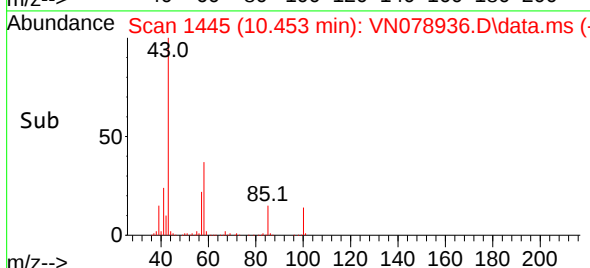
Reviewed By :John Carlone 08/18/2023
Supervised By :Semsettin Yesilyurt 08/18/2023

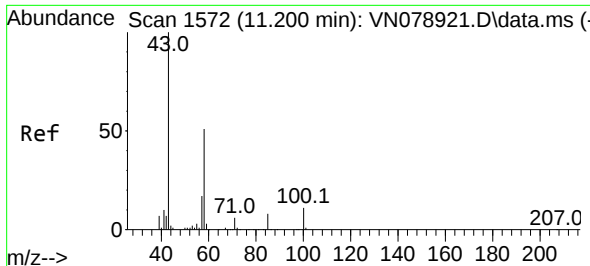


#58
4-Methyl-2-Pentanone
Concen: 102.516 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. 0.000 min
Lab File: VN078936.D
Acq: 17 Aug 2023 19:30



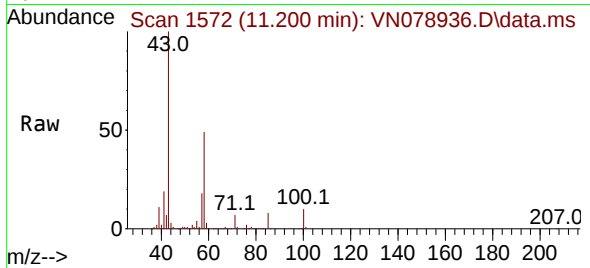
Tgt Ion: 43 Resp: 395437
Ion Ratio Lower Upper
43 100
58 36.5 28.8 43.2
85 14.9 12.7 19.1





#59
2-Hexanone
Concen: 100.265 ug/l
RT: 11.200 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN078936.D
Acq: 17 Aug 2023 19:30

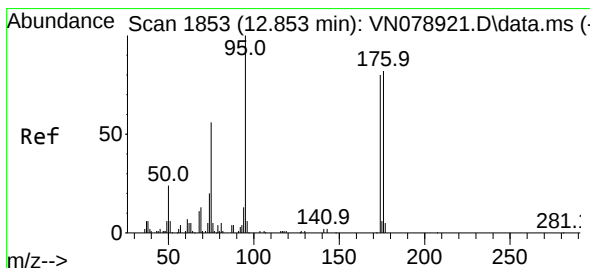
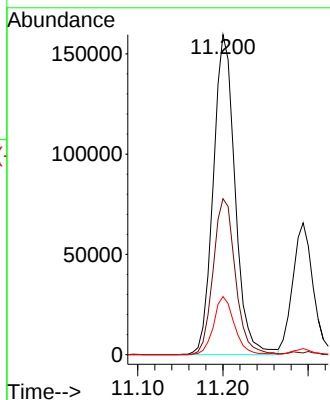
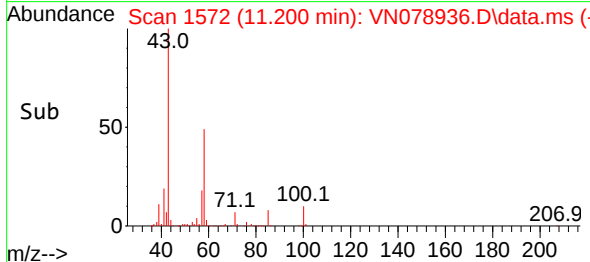
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 43 Resp: 283369
Ion Ratio Lower Upper
43 100
58 49.6 40.6 60.8
57 17.3 13.6 20.4

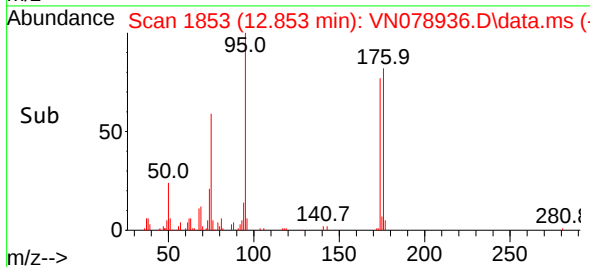
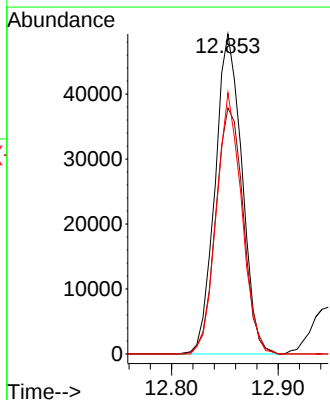
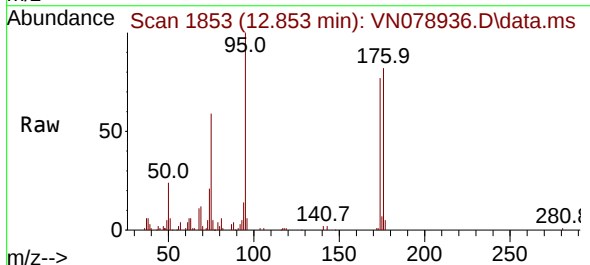
Manual Integrations
APPROVED

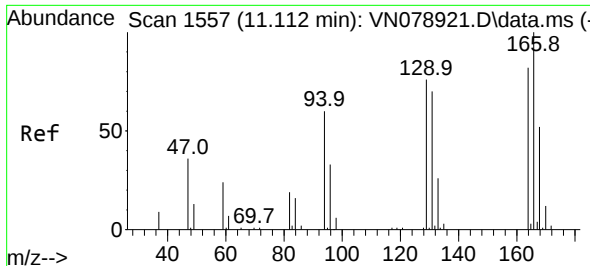
Reviewed By :John Carlone 08/18/2023
Supervised By :Semsettin Yesilyurt 08/18/2023



#60
4-Bromofluorobenzene
Concen: 30.296 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN078936.D
Acq: 17 Aug 2023 19:30

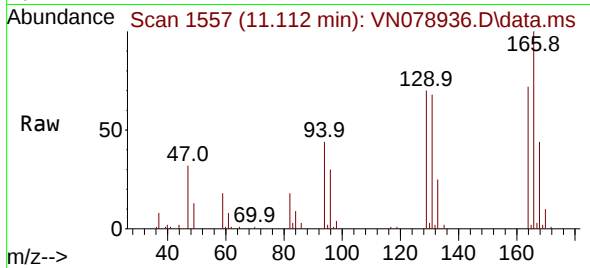
Tgt Ion: 95 Resp: 85920
Ion Ratio Lower Upper
95 100
174 79.3 64.8 97.2
176 76.9 63.0 94.6





#61
Tetrachloroethene
Concen: 20.431 ug/l
RT: 11.112 min Scan# 1557
Delta R.T. 0.000 min
Lab File: VN078936.D
Acq: 17 Aug 2023 19:30

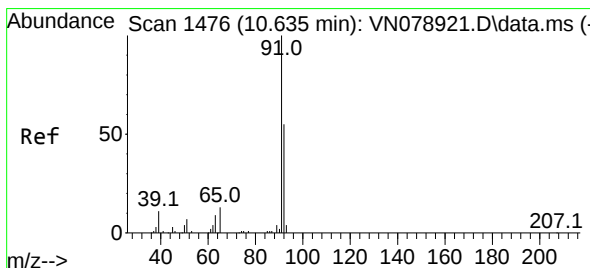
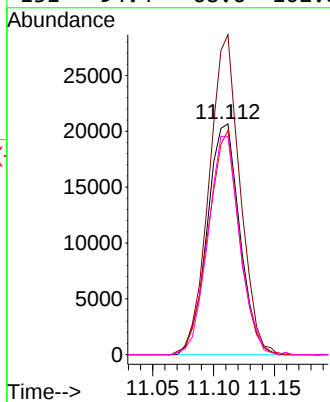
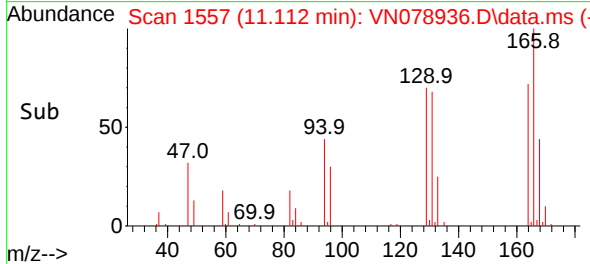
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion:164 Resp: 3846
Ion Ratio Lower Upper
164 100
166 138.6 97.6 146.4
129 96.2 74.1 111.1
131 94.4 68.6 102.8

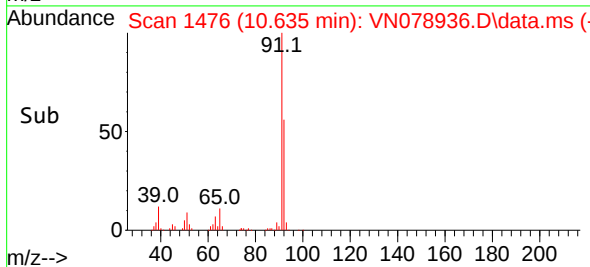
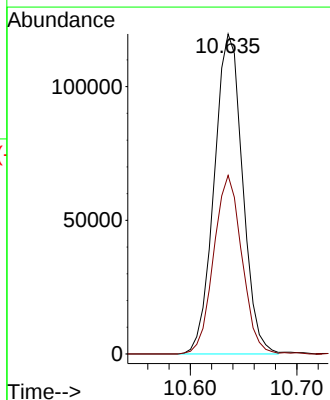
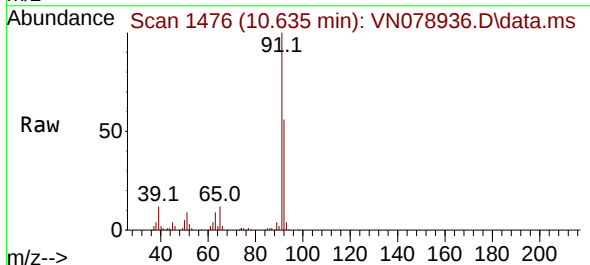
Manual Integrations
APPROVED

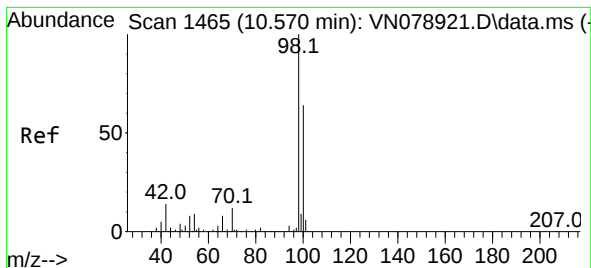
Reviewed By :John Carlone 08/18/2023
Supervised By :Semsettin Yesilyurt 08/18/2023



#62
Toluene
Concen: 20.835 ug/l
RT: 10.635 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VN078936.D
Acq: 17 Aug 2023 19:30

Tgt Ion: 91 Resp: 221151
Ion Ratio Lower Upper
91 100
92 55.4 44.7 67.1





#63

Toluene-d8

Concen: 30.401 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.000 min

Lab File: VN078936.D

Acq: 17 Aug 2023 19:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tgt Ion: 98 Resp: 276014

Ion Ratio Lower Upper

98 100

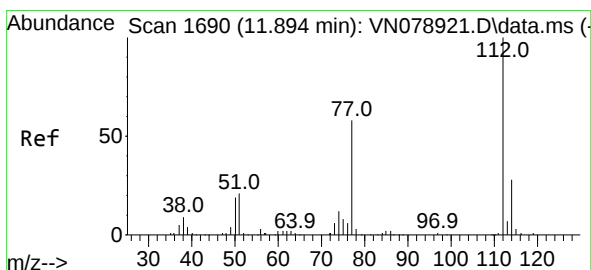
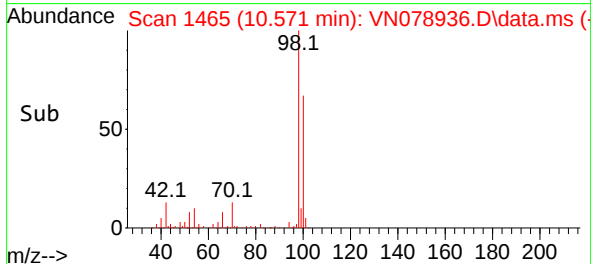
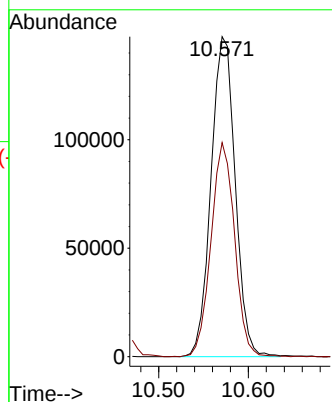
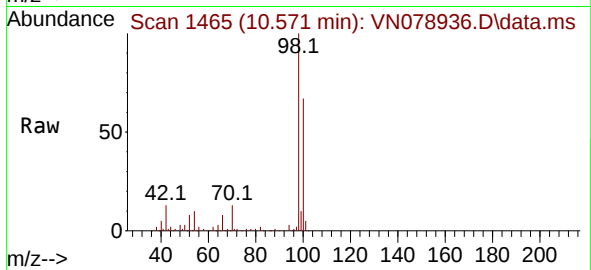
100 65.3 51.1 76.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/18/2023

Supervised By :Semsettin Yesilyurt 08/18/2023



#64

Chlorobenzene

Concen: 19.809 ug/l

RT: 11.894 min Scan# 1690

Delta R.T. 0.000 min

Lab File: VN078936.D

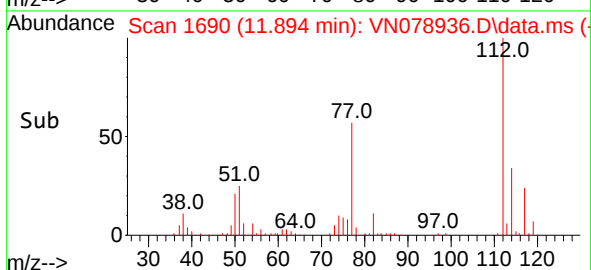
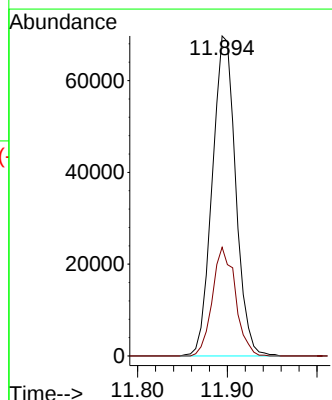
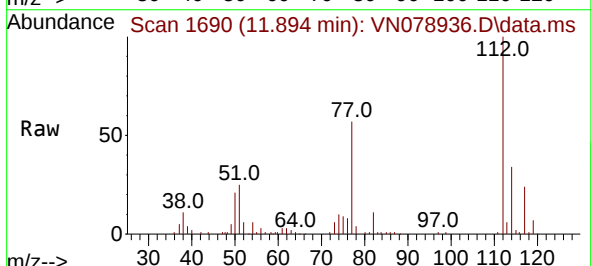
Acq: 17 Aug 2023 19:30

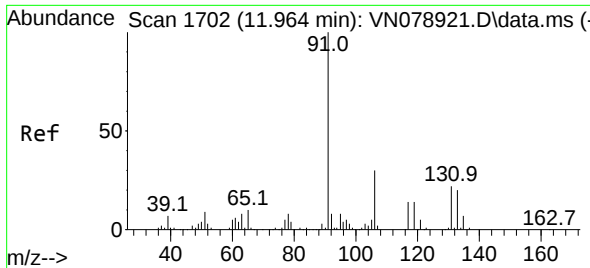
Tgt Ion:112 Resp: 126418

Ion Ratio Lower Upper

112 100

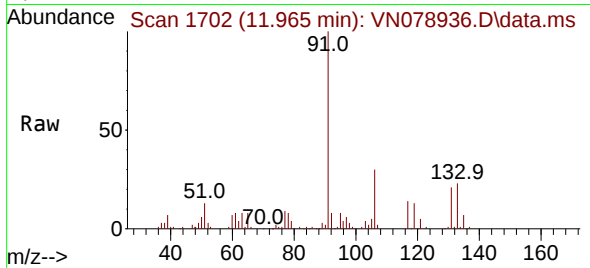
114 33.9 22.4 33.6#





#65
1,1,1,2-Tetrachloroethane
Concen: 20.275 ug/l
RT: 11.965 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN078936.D
Acq: 17 Aug 2023 19:30

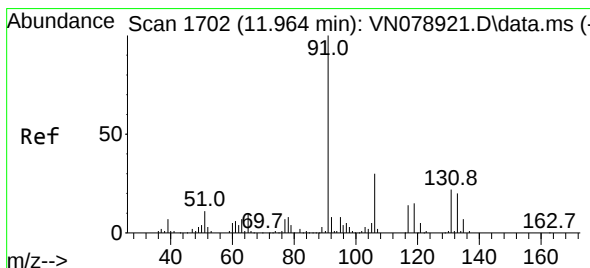
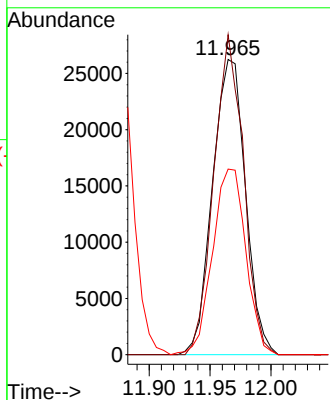
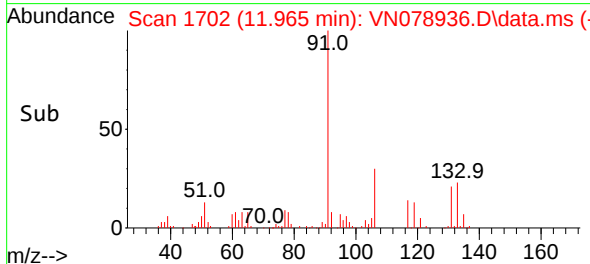
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion:131 Resp: 49470
Ion Ratio Lower Upper
131 100
133 97.7 0.0 184.8
119 63.6 0.0 133.4

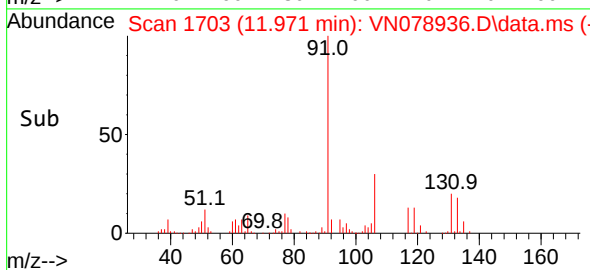
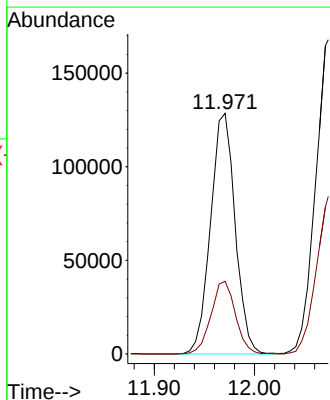
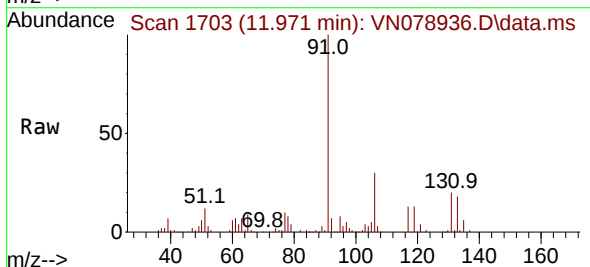
Manual Integrations
APPROVED

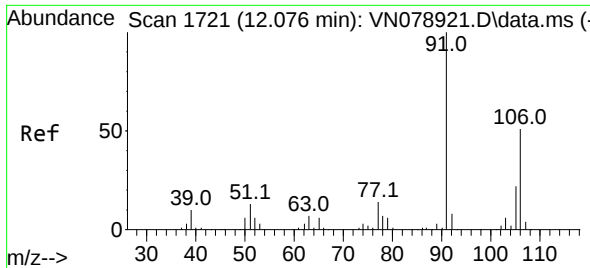
Reviewed By :John Carlone 08/18/2023
Supervised By :Semsettin Yesilyurt 08/18/2023



#66
Ethyl Benzene
Concen: 19.756 ug/l
RT: 11.971 min Scan# 1703
Delta R.T. 0.006 min
Lab File: VN078936.D
Acq: 17 Aug 2023 19:30

Tgt Ion: 91 Resp: 219341
Ion Ratio Lower Upper
91 100
106 30.2 24.1 36.1





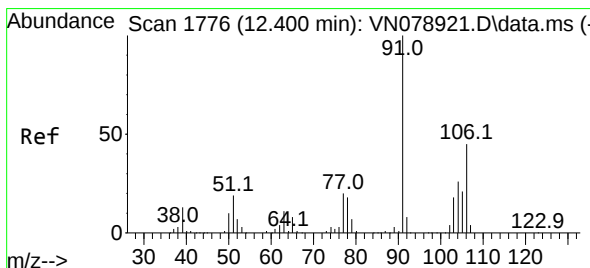
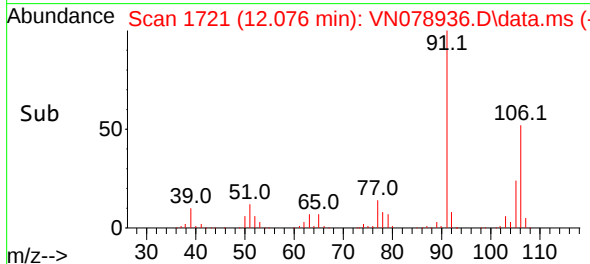
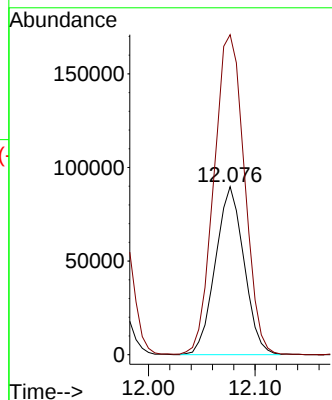
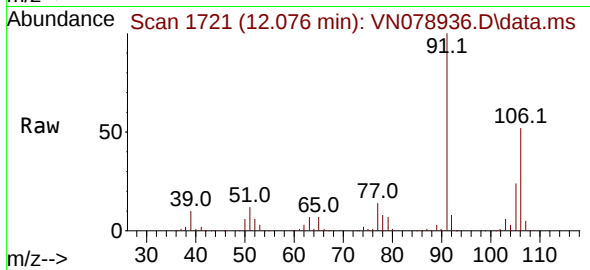
#67
m/p-Xylenes
Concen: 40.451 ug/l
RT: 12.076 min Scan# 1721
Delta R.T. 0.000 min
Lab File: VN078936.D
Acq: 17 Aug 2023 19:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion:106 Resp: 167454
Ion Ratio Lower Upper
106 100
91 203.3 161.2 241.8

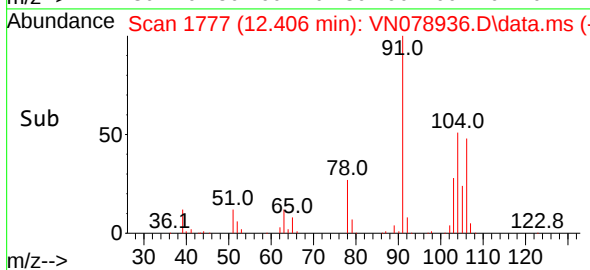
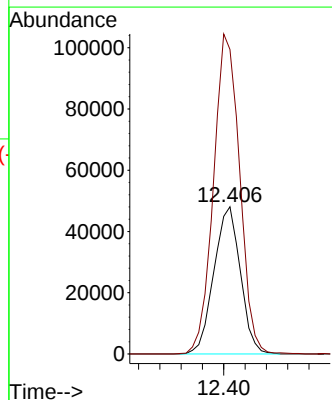
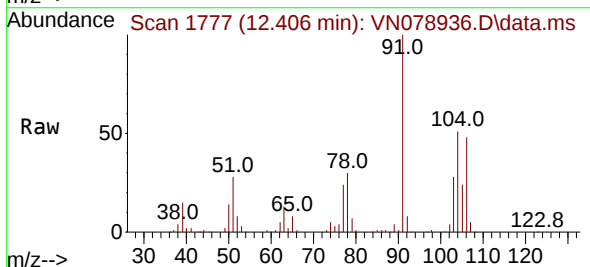
Manual Integrations
APPROVED

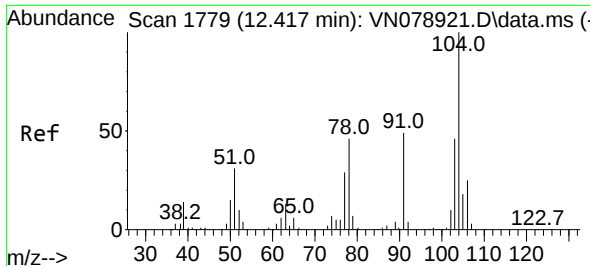
Reviewed By :John Carlone 08/18/2023
Supervised By :Semsettin Yesilyurt 08/18/2023



#68
o-Xylene
Concen: 20.313 ug/l
RT: 12.406 min Scan# 1777
Delta R.T. 0.006 min
Lab File: VN078936.D
Acq: 17 Aug 2023 19:30

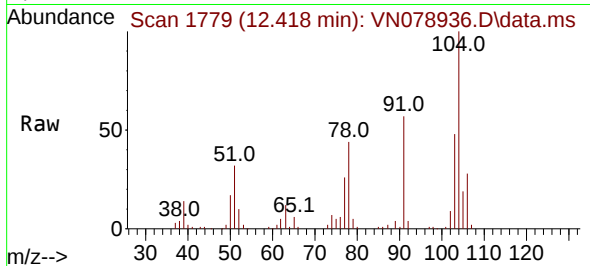
Tgt Ion:106 Resp: 82913
Ion Ratio Lower Upper
106 100
91 213.6 109.0 327.0





#69
Styrene
Concen: 20.401 ug/l
RT: 12.418 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN078936.D
Acq: 17 Aug 2023 19:30

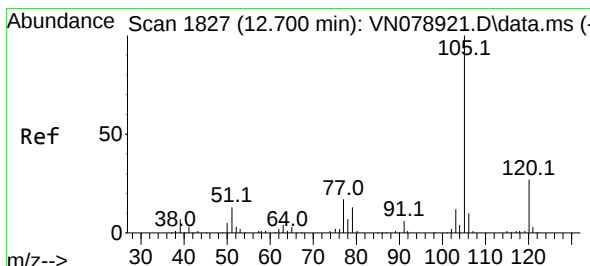
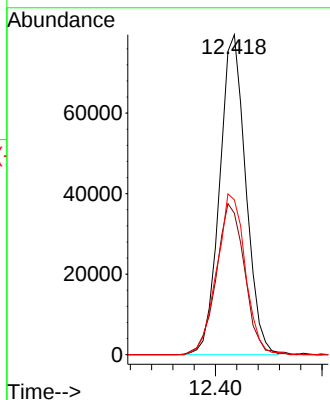
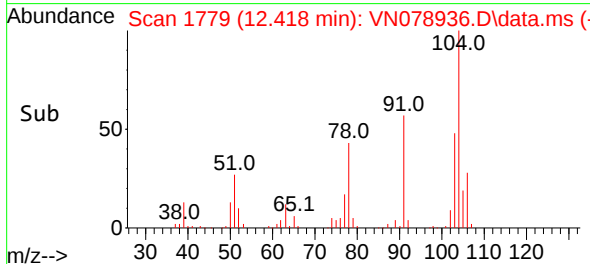
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



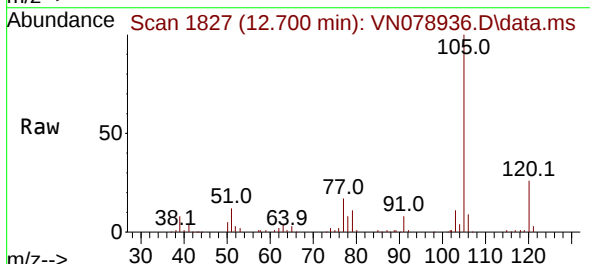
Tgt Ion:104 Resp: 13530
Ion Ratio Lower Upper
104 100
78 51.3 40.2 60.4
103 54.5 43.2 64.8

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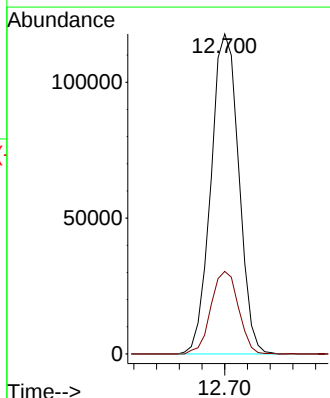
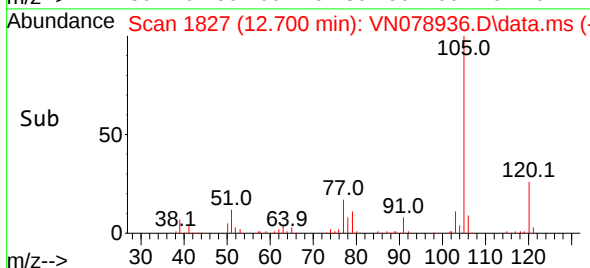
Reviewed By :John Carlone 08/18/2023
Supervised By :Semsettin Yesilyurt 08/18/2023

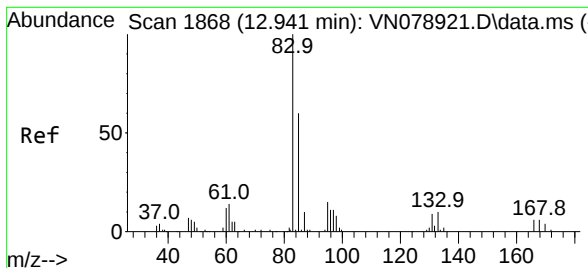


#70
Isopropylbenzene
Concen: 20.293 ug/l
RT: 12.700 min Scan# 1827
Delta R.T. 0.000 min
Lab File: VN078936.D
Acq: 17 Aug 2023 19:30



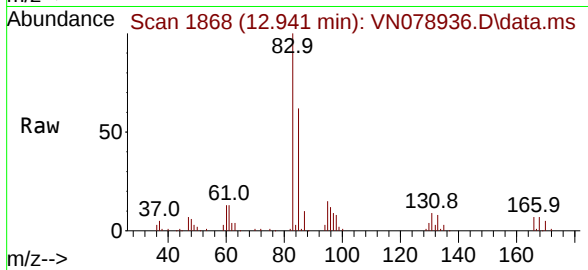
Tgt Ion:105 Resp: 200699
Ion Ratio Lower Upper
105 100
120 25.4 19.1 35.5





#71
1,1,2,2-Tetrachloroethane
Concen: 20.874 ug/l
RT: 12.941 min Scan# 1868
Delta R.T. 0.000 min
Lab File: VN078936.D
Acq: 17 Aug 2023 19:30

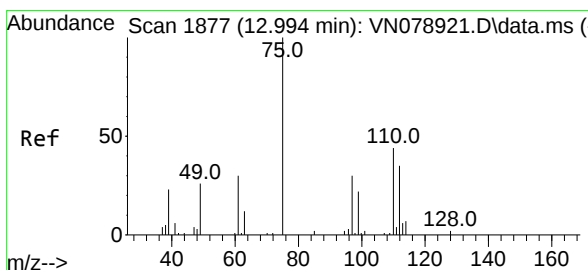
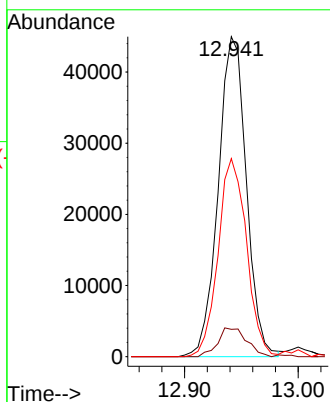
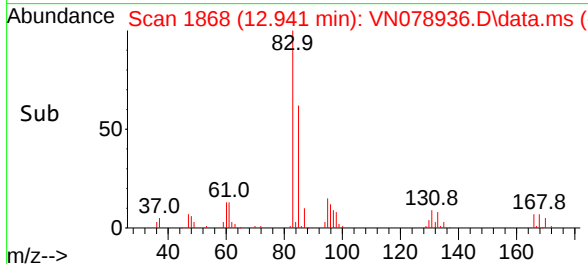
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 83 Resp: 77389
Ion Ratio Lower Upper
83 100
131 9.2 4.7 14.0
85 62.5 31.9 95.7

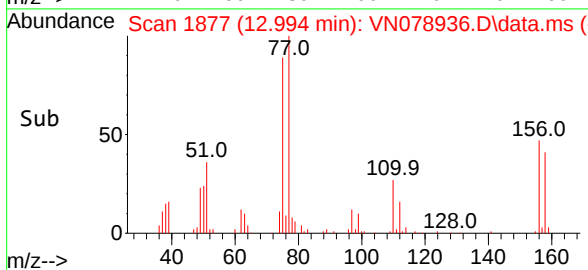
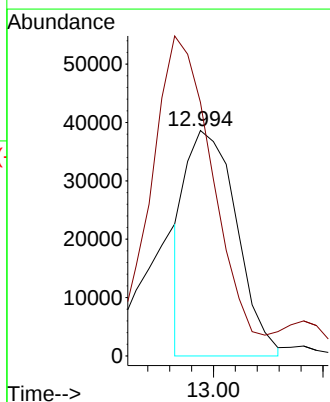
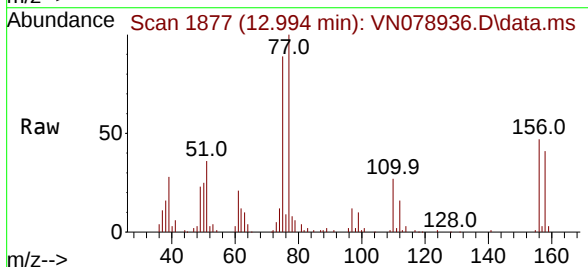
Manual Integrations
APPROVED

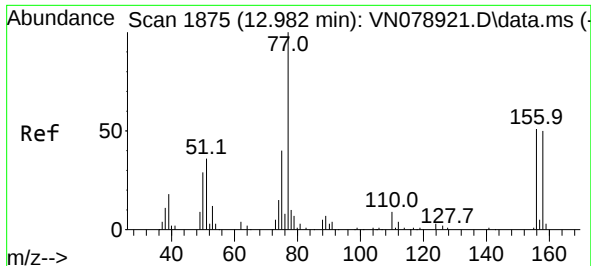
Reviewed By :John Carlone 08/18/2023
Supervised By :Semsettin Yesilyurt 08/18/2023



#72
1,2,3-Trichloropropane
Concen: 20.475 ug/l m
RT: 12.994 min Scan# 1877
Delta R.T. 0.000 min
Lab File: VN078936.D
Acq: 17 Aug 2023 19:30

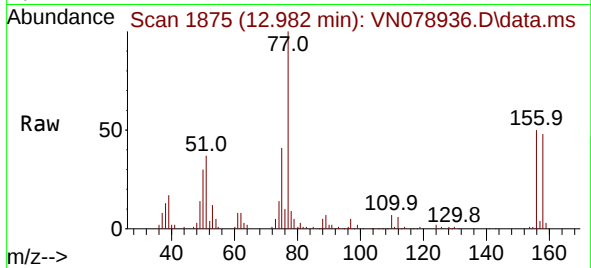
Tgt Ion: 75 Resp: 62276
Ion Ratio Lower Upper
75 100
77 175.7 0.0 367.4





#73
Bromobenzene
Concen: 19.575 ug/l
RT: 12.982 min Scan# 1875
Delta R.T. 0.000 min
Lab File: VN078936.D
Acq: 17 Aug 2023 19:30

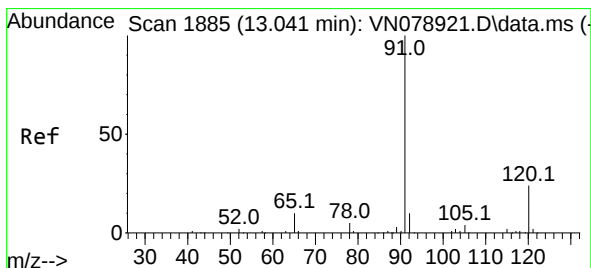
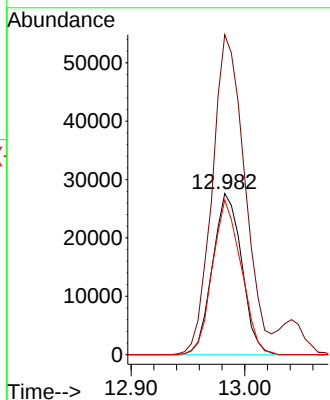
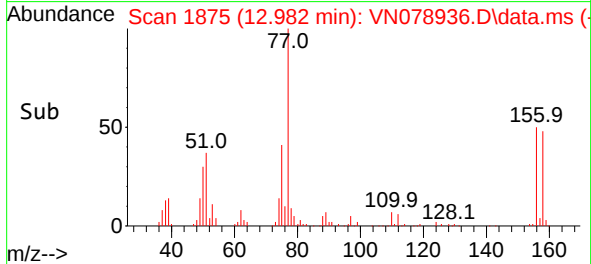
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion:156 Resp: 4928
Ion Ratio Lower Upper
156 100
77 222.0 0.0 431.0
158 94.9 0.0 196.8

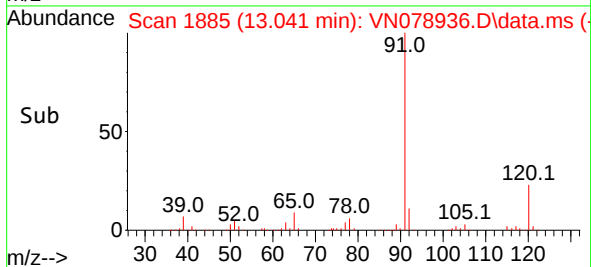
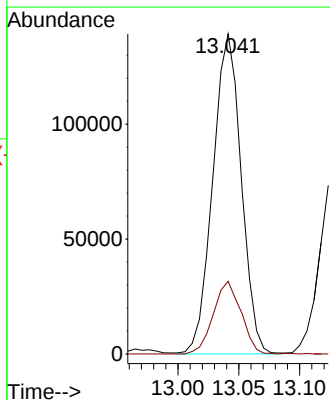
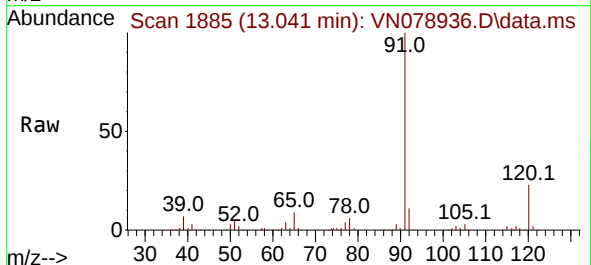
Manual Integrations
APPROVED

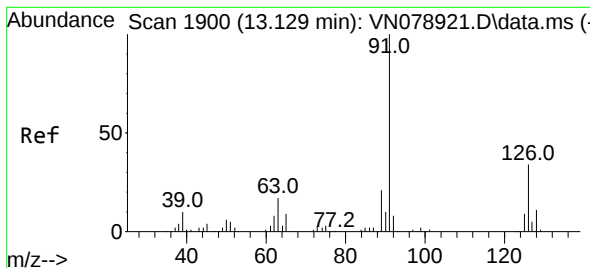
Reviewed By :John Carlone 08/18/2023
Supervised By :Semsettin Yesilyurt 08/18/2023



#74
n-propylbenzene
Concen: 20.185 ug/l
RT: 13.041 min Scan# 1885
Delta R.T. 0.000 min
Lab File: VN078936.D
Acq: 17 Aug 2023 19:30

Tgt Ion: 91 Resp: 226239
Ion Ratio Lower Upper
91 100
120 22.1 0.0 44.4





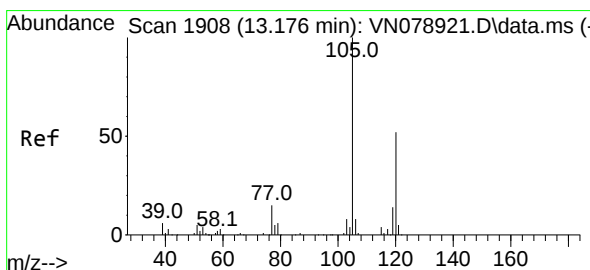
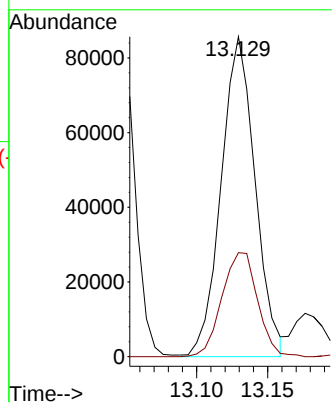
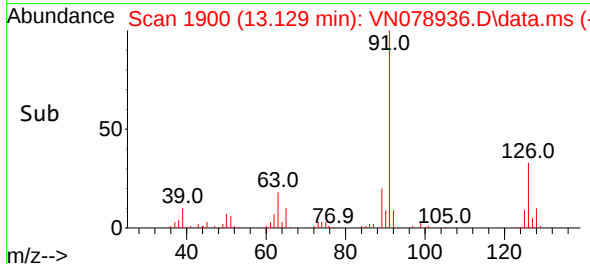
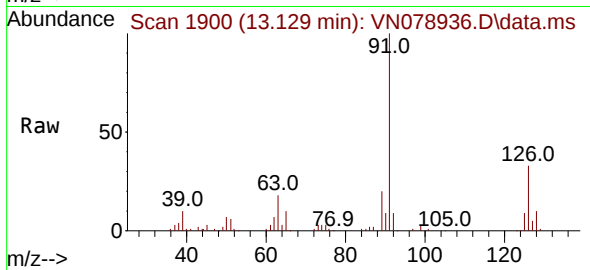
#75
2-Chlorotoluene
Concen: 20.033 ug/l
RT: 13.129 min Scan# 1900
Delta R.T. 0.000 min
Lab File: VN078936.D
Acq: 17 Aug 2023 19:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 91 Resp: 142450
Ion Ratio Lower Upper
91 100
126 34.0 0.0 67.2

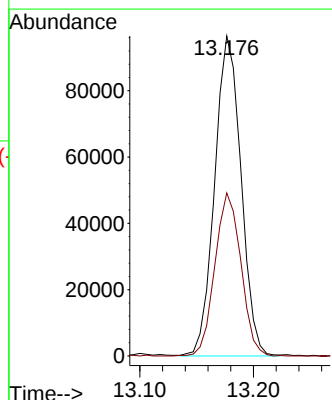
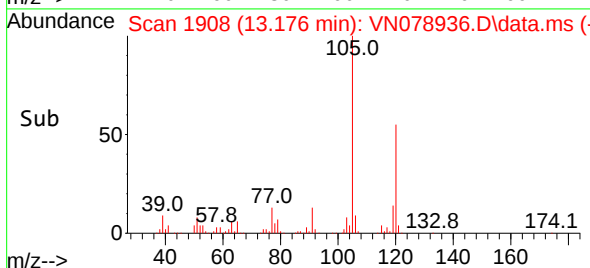
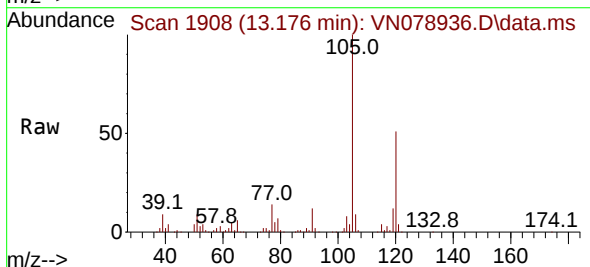
Manual Integrations
APPROVED

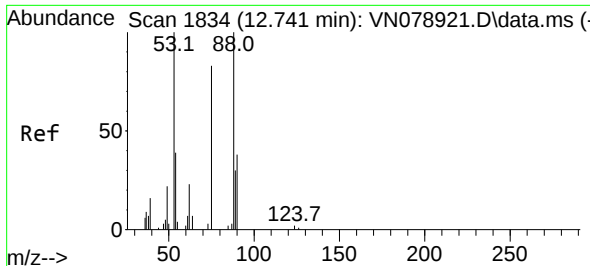
Reviewed By :John Carlone 08/18/2023
Supervised By :Semsettin Yesilyurt 08/18/2023



#76
1,3,5-Trimethylbenzene
Concen: 19.844 ug/l
RT: 13.176 min Scan# 1908
Delta R.T. 0.000 min
Lab File: VN078936.D
Acq: 17 Aug 2023 19:30

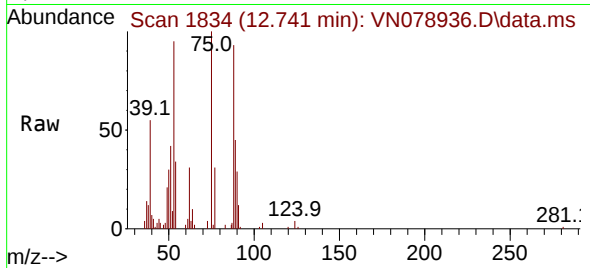
Tgt Ion:105 Resp: 155573
Ion Ratio Lower Upper
105 100
120 50.1 0.0 98.8





#77
t-1,4-Dichloro-2-butene
Concen: 18.770 ug/l
RT: 12.741 min Scan# 1834
Delta R.T. 0.000 min
Lab File: VN078936.D
Acq: 17 Aug 2023 19:30

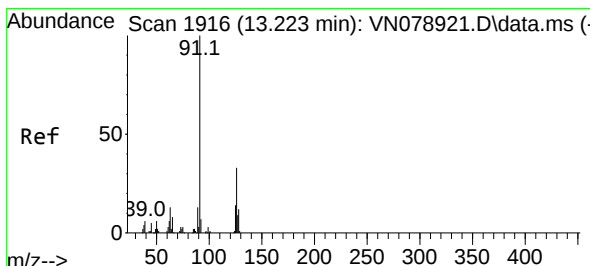
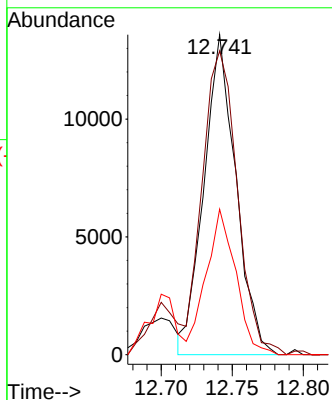
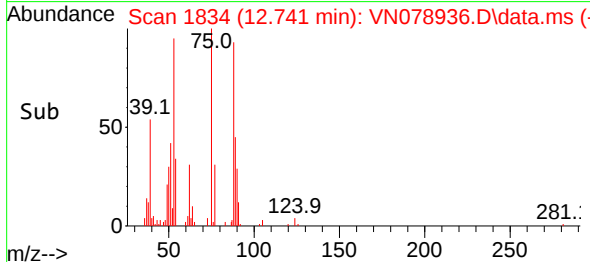
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 75 Resp: 21215
Ion Ratio Lower Upper
75 100
53 92.8 60.1 180.3
89 45.5 22.9 68.8

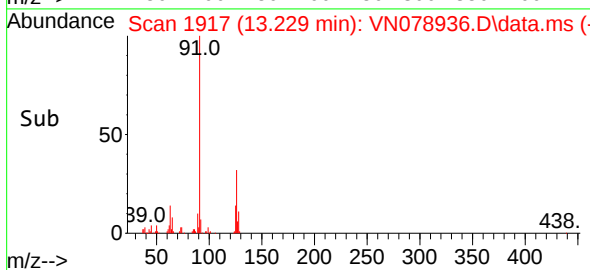
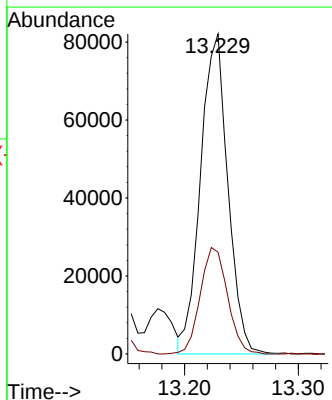
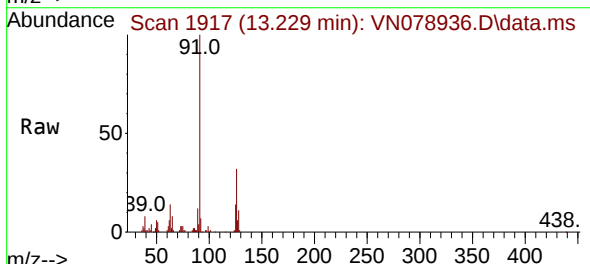
Manual Integrations
APPROVED

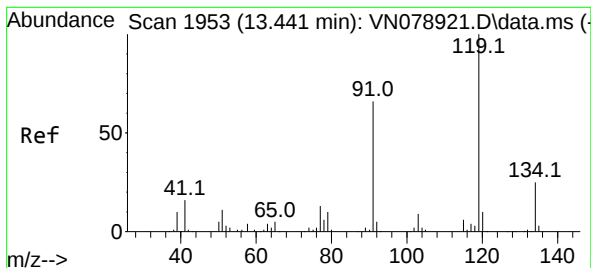
Reviewed By :John Carlone 08/18/2023
Supervised By :Semsettin Yesilyurt 08/18/2023



#78
4-Chlorotoluene
Concen: 20.134 ug/l
RT: 13.229 min Scan# 1917
Delta R.T. 0.006 min
Lab File: VN078936.D
Acq: 17 Aug 2023 19:30

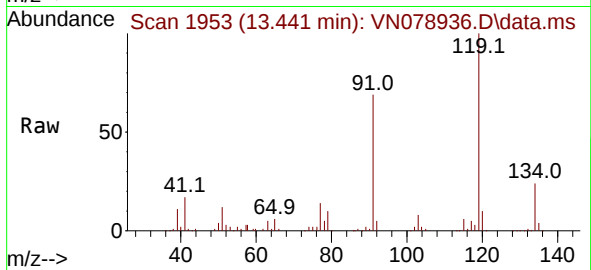
Tgt Ion: 91 Resp: 137154
Ion Ratio Lower Upper
91 100
126 33.2 0.0 67.4





#79
tert-butylbenzene
Concen: 20.035 ug/l
RT: 13.441 min Scan# 1953
Delta R.T. 0.000 min
Lab File: VN078936.D
Acq: 17 Aug 2023 19:30

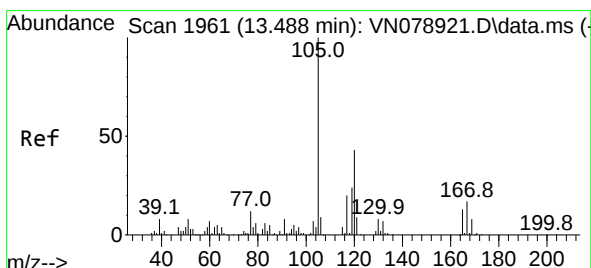
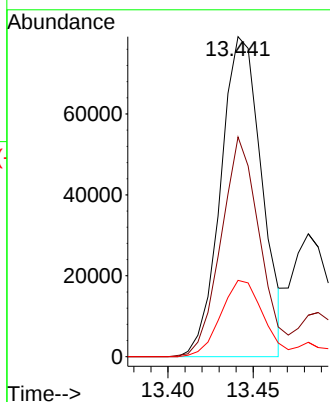
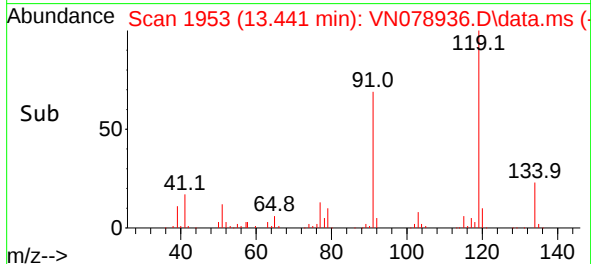
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



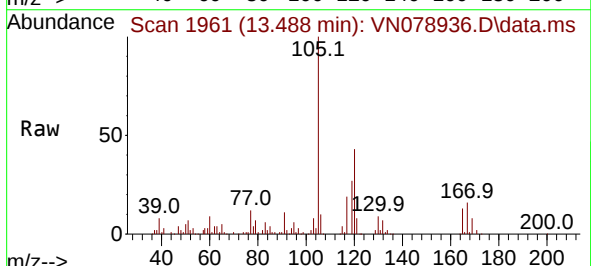
Tgt Ion:119 Resp: 13273
Ion Ratio Lower Upper
119 100
91 64.9 0.0 135.6
134 24.4 0.0 51.4

Manual Integrations
APPROVED

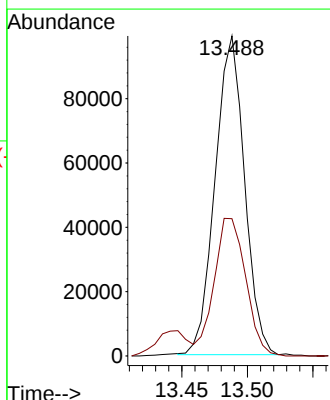
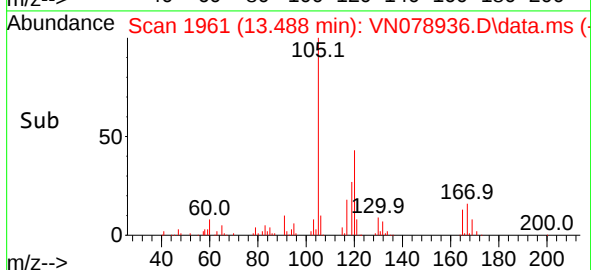
Reviewed By :John Carlone 08/18/2023
Supervised By :Semsettin Yesilyurt 08/18/2023

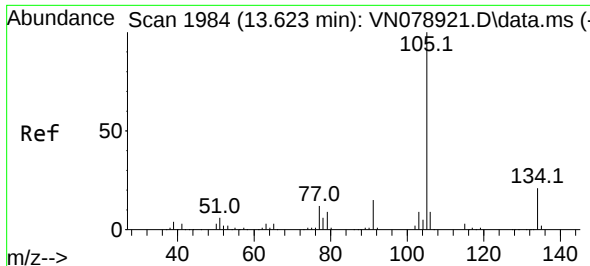


#80
1,2,4-Trimethylbenzene
Concen: 20.054 ug/l
RT: 13.488 min Scan# 1961
Delta R.T. 0.000 min
Lab File: VN078936.D
Acq: 17 Aug 2023 19:30



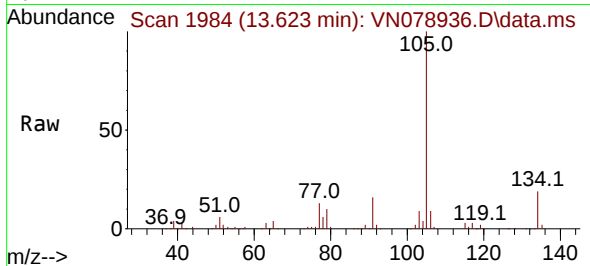
Tgt Ion:105 Resp: 154597
Ion Ratio Lower Upper
105 100
120 46.3 0.0 91.6





#81
 sec-Butylbenzene
 Concen: 20.052 ug/l
 RT: 13.623 min Scan# 1984
 Delta R.T. 0.000 min
 Lab File: VN078936.D
 Acq: 17 Aug 2023 19:30

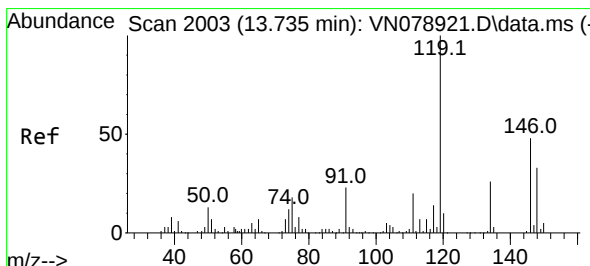
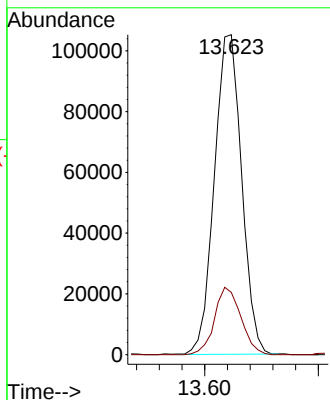
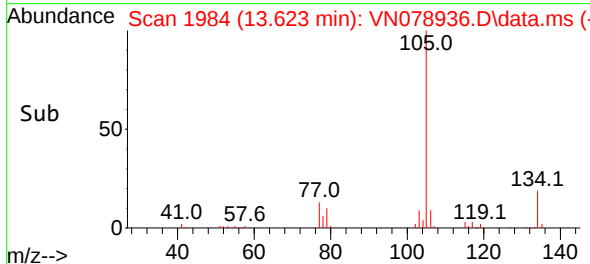
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC



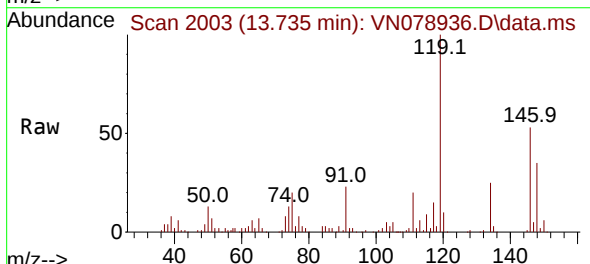
Tgt Ion:105 Resp: 175318
 Ion Ratio Lower Upper
 105 100
 134 20.4 0.0 41.6

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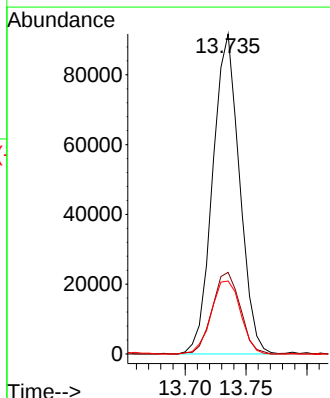
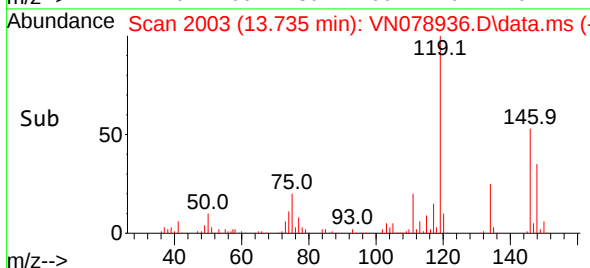
Reviewed By :John Carlone 08/18/2023
 Supervised By :Semsettin Yesilyurt 08/18/2023

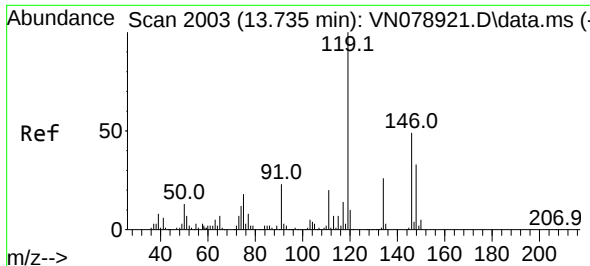


#82
 p-Isopropyltoluene
 Concen: 19.706 ug/l
 RT: 13.735 min Scan# 2003
 Delta R.T. 0.000 min
 Lab File: VN078936.D
 Acq: 17 Aug 2023 19:30



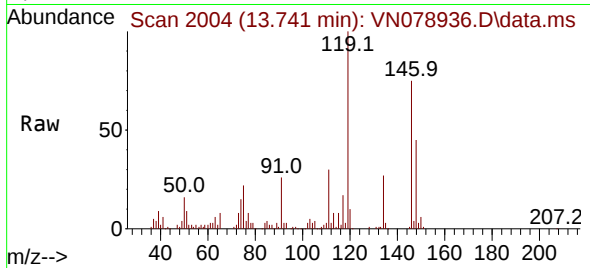
Tgt Ion:119 Resp: 140670
 Ion Ratio Lower Upper
 119 100
 134 26.7 0.0 52.4
 91 25.0 0.0 47.4





#83
1,3-Dichlorobenzene
Concen: 20.600 ug/l
RT: 13.741 min Scan# 2003
Delta R.T. 0.006 min
Lab File: VN078936.D
Acq: 17 Aug 2023 19:30

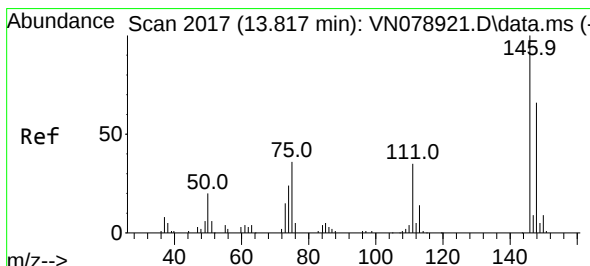
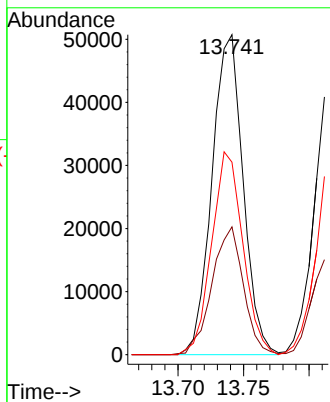
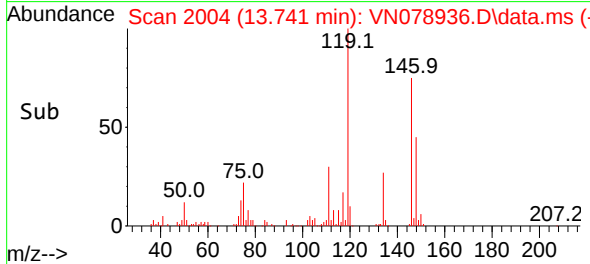
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion:146 Resp: 83704
Ion Ratio Lower Upper
146 100
111 39.6 21.2 63.6
148 63.7 33.1 99.5

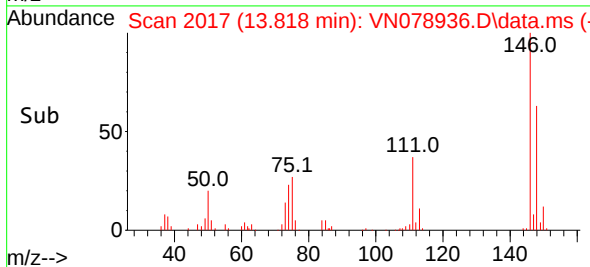
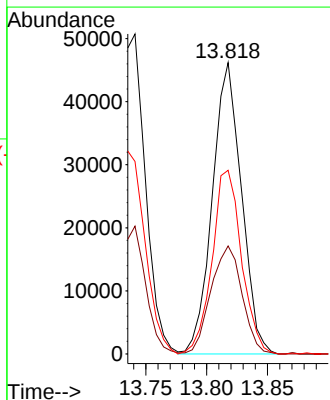
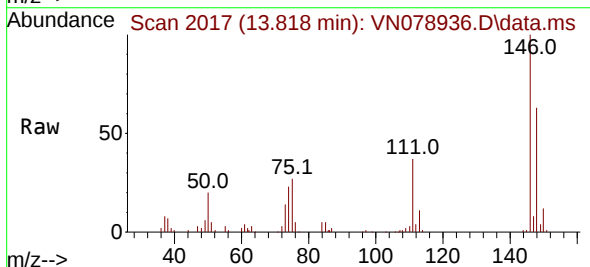
Manual Integrations
APPROVED

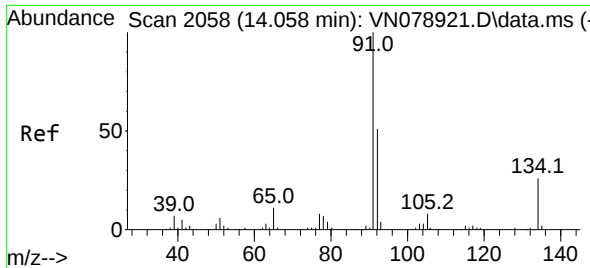
Reviewed By :John Carlone 08/18/2023
Supervised By :Semsettin Yesilyurt 08/18/2023



#84
1,4-Dichlorobenzene
Concen: 19.291 ug/l
RT: 13.818 min Scan# 2017
Delta R.T. 0.000 min
Lab File: VN078936.D
Acq: 17 Aug 2023 19:30

Tgt Ion:146 Resp: 76957
Ion Ratio Lower Upper
146 100
111 39.4 18.6 56.0
148 63.6 32.0 96.2





#85
n-Butylbenzene
Concen: 18.722 ug/l
RT: 14.059 min Scan# 2058
Delta R.T. 0.000 min
Lab File: VN078936.D
Acq: 17 Aug 2023 19:30

Instrument :

MSVOA_N

ClientSampleId :

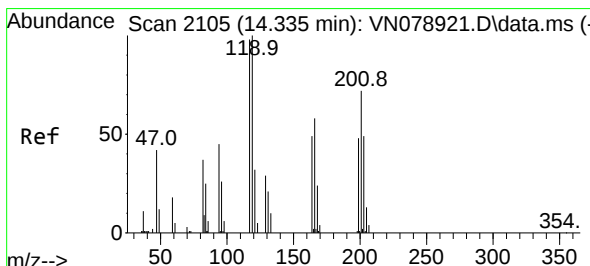
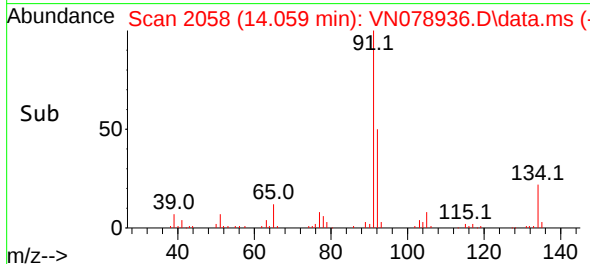
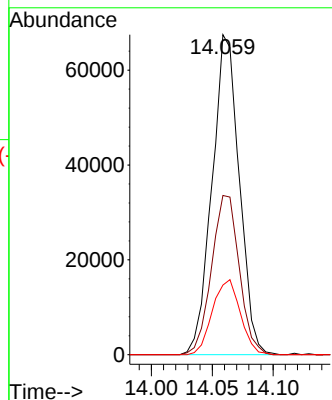
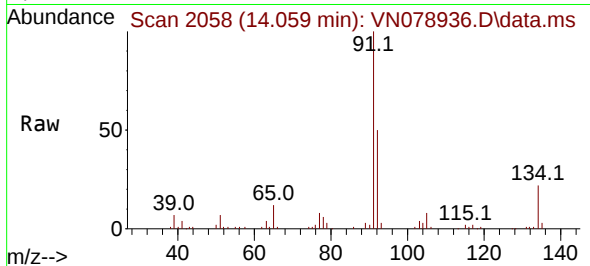
VSTDCCC020EC

Tgt Ion: 91 Resp: 105110
Ion Ratio Lower Upper
91 100
92 50.6 0.0 102.8
134 24.0 0.0 48.6

Manual Integrations

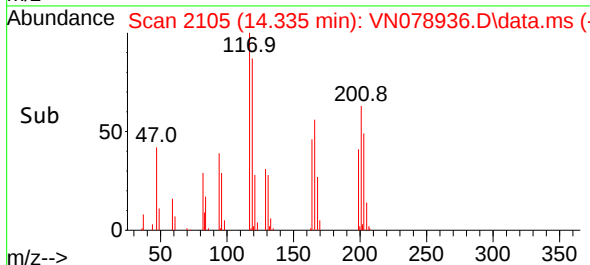
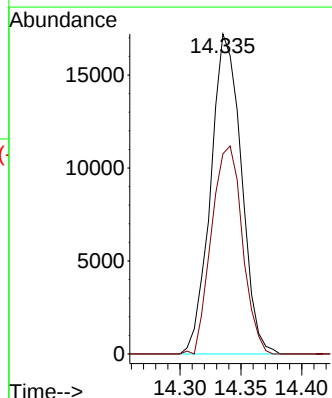
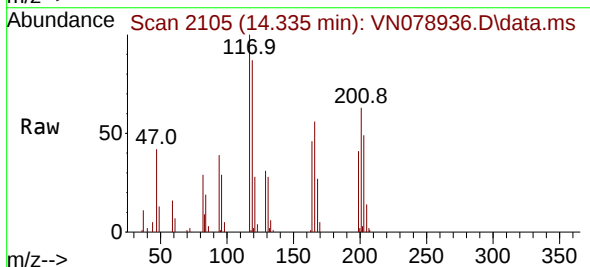
APPROVED

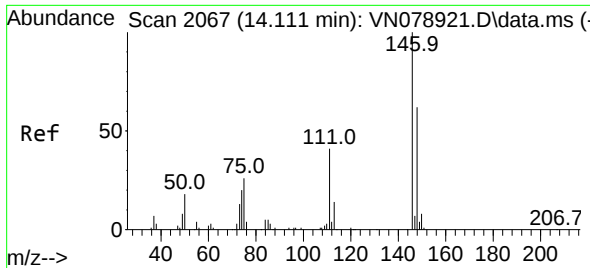
Reviewed By :John Carlone 08/18/2023
Supervised By :Semsettin Yesilyurt 08/18/2023



#86
Hexachloroethane
Concen: 20.646 ug/l
RT: 14.335 min Scan# 2105
Delta R.T. 0.000 min
Lab File: VN078936.D
Acq: 17 Aug 2023 19:30

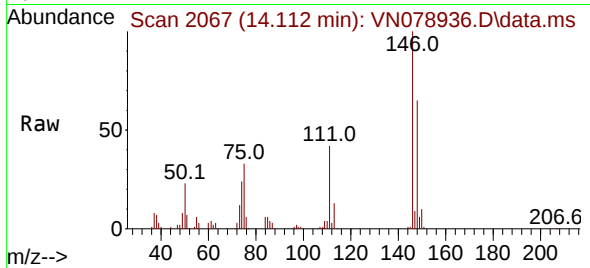
Tgt Ion:117 Resp: 30156
Ion Ratio Lower Upper
117 100
201 65.2 36.6 109.8





#87
1,2-Dichlorobenzene
Concen: 19.925 ug/l
RT: 14.112 min Scan# 2067
Delta R.T. 0.000 min
Lab File: VN078936.D
Acq: 17 Aug 2023 19:30

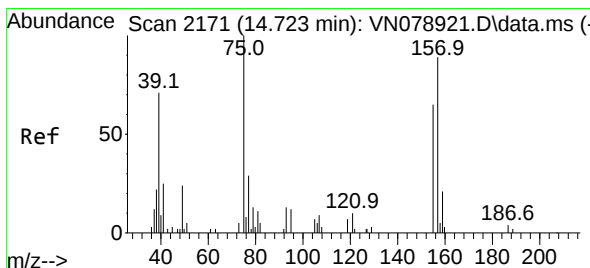
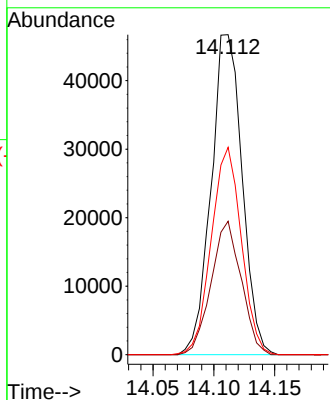
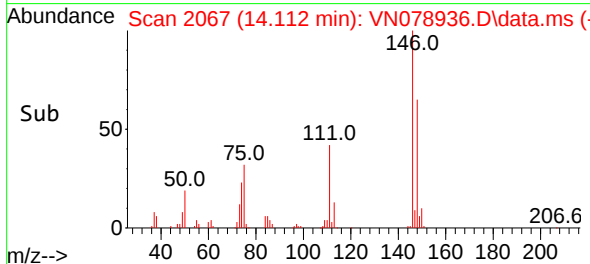
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



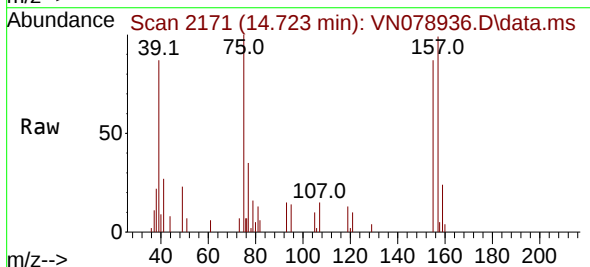
Tgt Ion:146 Resp: 82924
Ion Ratio Lower Upper
146 100
111 40.5 20.3 60.8
148 62.8 32.0 96.2

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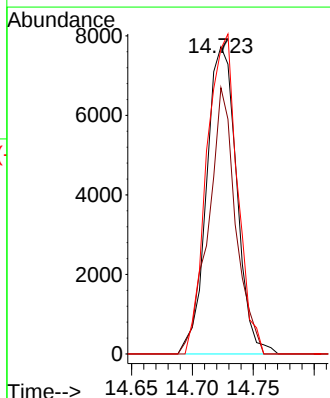
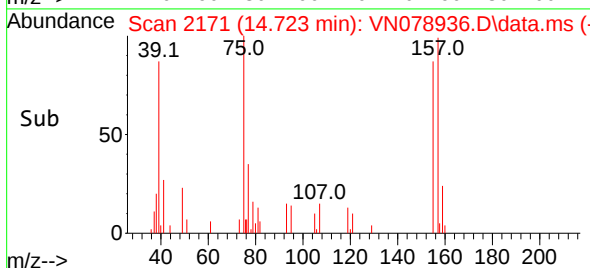
Reviewed By :John Carlone 08/18/2023
Supervised By :Semsettin Yesilyurt 08/18/2023

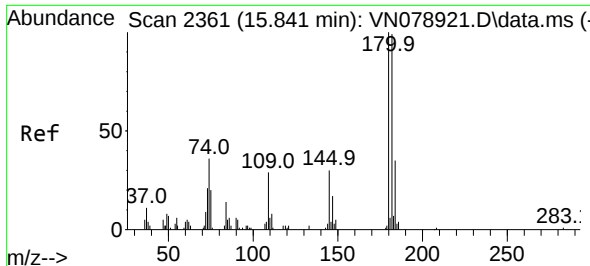


#88
1,2-Dibromo-3-Chloropropane
Concen: 19.983 ug/l
RT: 14.723 min Scan# 2171
Delta R.T. 0.000 min
Lab File: VN078936.D
Acq: 17 Aug 2023 19:30



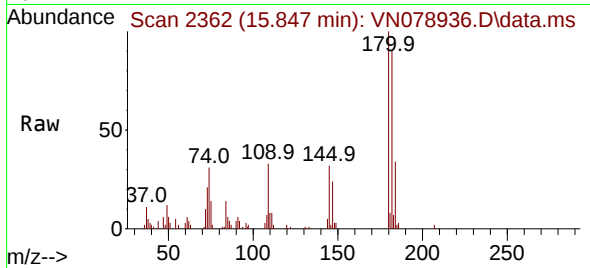
Tgt Ion: 75 Resp: 13297
Ion Ratio Lower Upper
75 100
155 78.5 61.1 91.7
157 105.5 79.8 119.6





#89
1,2,4-Trichlorobenzene
Concen: 19.109 ug/l
RT: 15.847 min Scan# 2361
Delta R.T. 0.006 min
Lab File: VN078936.D
Acq: 17 Aug 2023 19:30

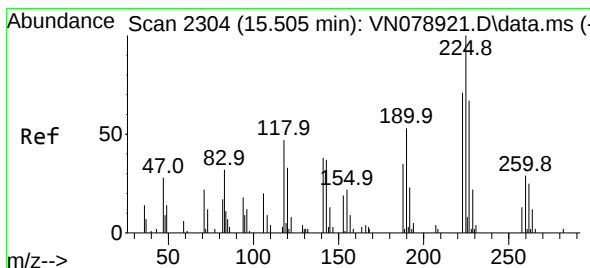
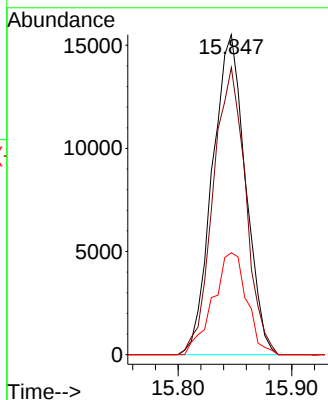
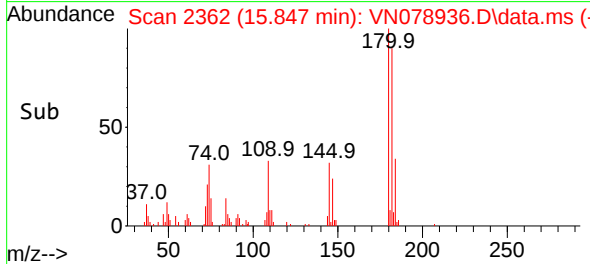
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion:180 Resp: 31408
Ion Ratio Lower Upper
180 100
182 88.3 76.1 114.1
145 32.6 26.5 39.7

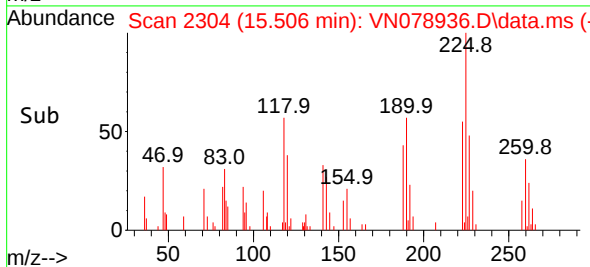
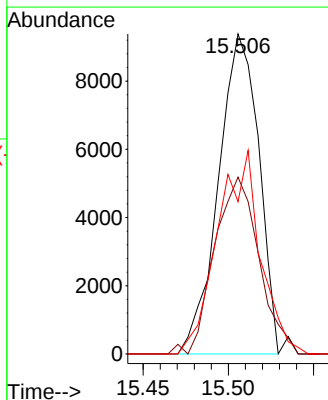
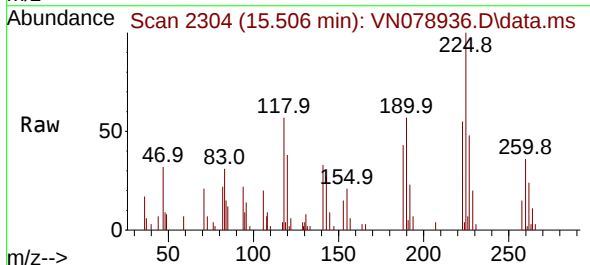
Manual Integrations
APPROVED

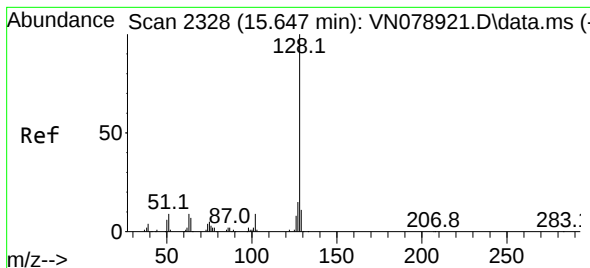
Reviewed By :John Carlone 08/18/2023
Supervised By :Semsettin Yesilyurt 08/18/2023



#90
Hexachlorobutadiene
Concen: 18.066 ug/l
RT: 15.506 min Scan# 2304
Delta R.T. 0.000 min
Lab File: VN078936.D
Acq: 17 Aug 2023 19:30

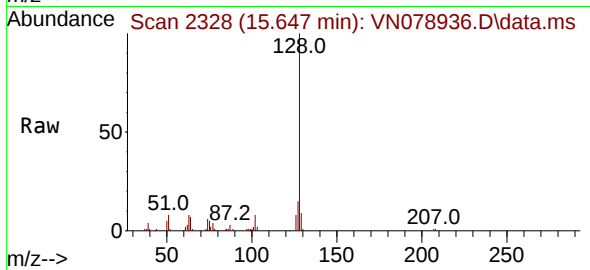
Tgt Ion:225 Resp: 15459
Ion Ratio Lower Upper
225 100
223 60.4 0.0 124.0
227 67.2 0.0 117.4





#91
Naphthalene
Concen: 16.335 ug/l
RT: 15.647 min Scan# 2328
Delta R.T. 0.000 min
Lab File: VN078936.D
Acq: 17 Aug 2023 19:30

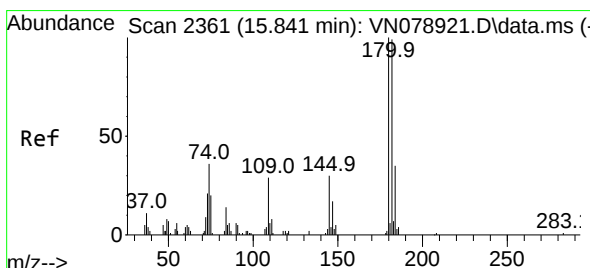
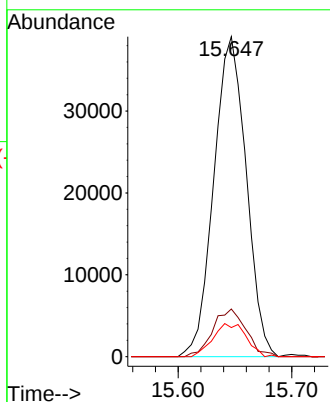
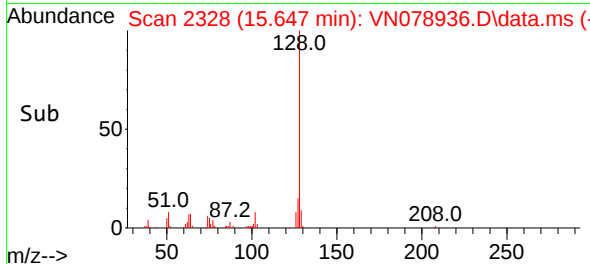
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



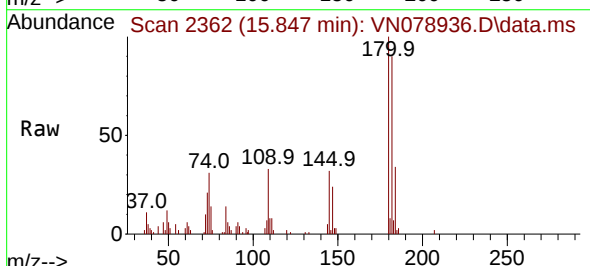
Tgt Ion:128 Resp: 77435
Ion Ratio Lower Upper
128 100
127 15.1 11.1 16.7
129 10.6 8.6 13.0

Manual Integrations
APPROVED

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



#92
1,2,3-Trichlorobenzene
Concen: 19.109 ug/l
RT: 15.847 min Scan# 2362
Delta R.T. 0.006 min
Lab File: VN078936.D
Acq: 17 Aug 2023 19:30



Tgt Ion:180 Resp: 31408
Ion Ratio Lower Upper
180 100
182 88.3 0.0 190.2
145 32.6 0.0 66.2

