

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020923\
 Data File : VN076593.D
 Acq On : 09 Feb 2023 17:26
 Operator : JC\MD
 Sample : VSTDIC010
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/10/2023
 Supervised By : Semsettin Yesilyurt 02/10/2023

Quant Time: Feb 10 05:13:16 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N020923W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Feb 10 05:08:19 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.828	128	26893	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.104	114	191507	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.869	117	208299	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.587	65	97907	30.889	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 102.967%			
60) 4-Bromofluorobenzene	12.851	95	127057	27.019	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 90.067%			
63) Toluene-d8	10.569	98	229735	30.037	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 100.133%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.140	85	27618	7.420	ug/l	100
3) Chloromethane	2.375	50	41889	9.359	ug/l	96
4) Vinyl Chloride	2.528	62	37647	9.634	ug/l	97
5) Bromomethane	2.975	94	18419	9.388	ug/l	90
6) Chloroethane	3.134	64	21103	8.831	ug/l	94
7) Trichlorofluoromethane	3.510	101	67687	10.200	ug/l	97
8) Diethyl Ether	3.969	74	22277	10.584	ug/l	88
9) 1,1,2-Trichlorotrifluo...	4.393	101	36178	11.326	ug/l	88
10) 1,1-Dichloroethene	4.357	96	32070	10.684	ug/l #	78
11) Methyl Iodide	4.599	142	47495	10.881	ug/l	80
12) Methyl Acetate	5.046	43	64437	10.229	ug/l	92
13) Acrolein	4.193	56	39303	48.713	ug/l	98
14) Acrylonitrile	5.734	53	93812	50.833	ug/l	97
15) Acetone	4.446	58	28464m	53.447	ug/l	
16) Carbon Disulfide	4.728	76	87358	10.589	ug/l	100
17) Allyl chloride	5.040	41	59469	10.277	ug/l	90
18) Methylene Chloride	5.287	84	38496	10.838	ug/l #	87
19) trans-1,2-Dichloroethene	5.798	96	32856	10.650	ug/l	93
20) Diisopropyl ether	6.681	45	131415	9.949	ug/l	92
21) 1,1-Dichloroethane	6.587	63	72648	10.085	ug/l	97
22) cis-1,2-Dichloroethene	7.498	96	39402	10.664	ug/l	90
23) tert-Butyl Alcohol	5.534	59	30772	49.690	ug/l #	100
24) Methyl tert-Butyl Ether	5.804	73	117770	10.890	ug/l #	79
25) Chloroform	7.975	83	73384	10.296	ug/l	96
26) Cyclohexane	8.269	56	63382	9.916	ug/l #	94
29) 1,1-Dichloropropene	8.381	75	50750	10.238	ug/l	84
30) 2-Butanone	7.487	43	143637	53.682	ug/l	96
31) 2,2-Dichloropropane	7.492	77	55538	10.791	ug/l #	78
32) 1,1,1-Trichloroethane	8.181	97	64688	10.518	ug/l	97
33) Carbon Tetrachloride	8.369	117	55511	10.462	ug/l	95
34) Benzene	8.610	78	151921	9.974	ug/l #	91
35) Methacrylonitrile	7.792	41	31977	10.394	ug/l	89
36) 1,2-Dichloroethane	8.675	62	63164	10.814	ug/l	97
37) Trichloroethene	9.357	130	34465	11.052	ug/l	89
38) Methylcyclohexane	9.604	83	56984	10.386	ug/l	88
39) 1,2-Dichloropropane	9.628	63	40384	11.110	ug/l	95
40) Dibromomethane	9.716	93	25404	10.624	ug/l	93
41) Bromodichloromethane	9.892	83	54718	10.883	ug/l #	99
42) Vinyl Acetate	6.616	43	420216m	48.311	ug/l	

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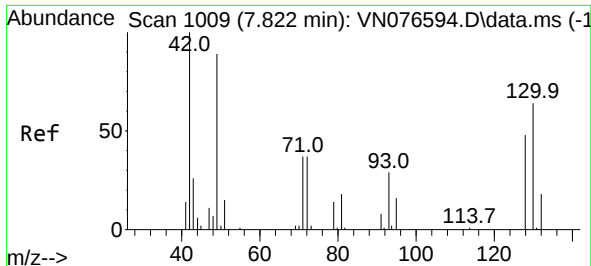
Manual Integrations
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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.569	43	54982	10.078	ug/l	99
44) Isopropyl Acetate	8.692	43	90419	10.075	ug/l	97
45) 1,4-Dioxane	9.698	88	16095	219.996	ug/l #	80
46) Methyl methacrylate	9.686	41	47243	10.918	ug/l	83
47) n-amyl Acetate	12.498	43	78922	10.346	ug/l #	91
48) t-1,3-Dichloropropene	10.839	75	51504	10.176	ug/l	96
49) cis-1,3-Dichloropropene	10.316	75	58870	10.522	ug/l #	86
50) 1,1,2-Trichloroethane	11.016	97	34680	10.679	ug/l	93
51) Ethyl methacrylate	10.875	69	53858	10.445	ug/l	85
52) 1,3-Dichloropropane	11.169	76	66722	11.022	ug/l	99
53) Dibromochloromethane	11.363	129	36150	10.713	ug/l	98
54) 1,2-Dibromoethane	11.469	107	36620	11.144	ug/l	96
55) 2-Chloroethyl vinyl ether	10.163	63	117984	50.092	ug/l	97
56) Bromoform	12.580	173	22914	10.543	ug/l #	96
58) 4-Methyl-2-Pentanone	10.445	43	293969	50.485	ug/l	95
59) 2-Hexanone	11.198	43	209831	49.561	ug/l	94
61) Tetrachloroethene	11.110	164	28874	10.844	ug/l	92
62) Toluene	10.633	91	155320	10.057	ug/l	98
64) Chlorobenzene	11.892	112	88427	9.884	ug/l	97
65) 1,1,1,2-Tetrachloroethane	11.963	131	37130	10.947	ug/l	92
66) Ethyl Benzene	11.969	91	166750	9.849	ug/l	100
67) m/p-Xylenes	12.075	106	127045	20.000	ug/l	93
68) o-Xylene	12.404	106	61653	9.852	ug/l	92
69) Styrene	12.416	104	99568	10.024	ug/l	95
70) Isopropylbenzene	12.698	105	160701	9.582	ug/l	97
71) 1,1,2,2-Tetrachloroethane	12.939	83	51734	8.848	ug/l	90
72) 1,2,3-Trichloropropane	12.998	75	47159m	8.857	ug/l	
73) Bromobenzene	12.980	156	36095	9.070	ug/l	98
74) n-propylbenzene	13.039	91	189118	8.792	ug/l	100
75) 2-Chlorotoluene	13.127	91	122445	9.050	ug/l	96
76) 1,3,5-Trimethylbenzene	13.174	105	139265	8.893	ug/l	97
77) t-1,4-Dichloro-2-butene	12.739	75	14323	8.892	ug/l #	65
78) 4-Chlorotoluene	13.222	91	117653	8.648	ug/l	94
79) tert-butylbenzene	13.439	119	114249	8.595	ug/l	88
80) 1,2,4-Trimethylbenzene	13.486	105	137586	8.908	ug/l	93
81) sec-Butylbenzene	13.616	105	160627	8.630	ug/l	99
82) p-Isopropyltoluene	13.733	119	132671	8.871	ug/l	96
83) 1,3-Dichlorobenzene	13.733	146	65233	8.863	ug/l	95
84) 1,4-Dichlorobenzene	13.816	146	63493	8.646	ug/l	96
85) n-Butylbenzene	14.057	91	104852	7.550	ug/l	99
86) Hexachloroethane	14.339	117	25425	8.755	ug/l	98
87) 1,2-Dichlorobenzene	14.110	146	64831	8.024	ug/l	91
88) 1,2-Dibromo-3-Chloropr...	14.727	75	11361	9.532	ug/l #	80
89) 1,2,4-Trichlorobenzene	15.392	180	31784	9.432	ug/l	97
90) Hexachlorobutadiene	15.504	225	17589	10.805	ug/l	91
91) Naphthalene	15.645	128	104982	9.131	ug/l	99
92) 1,2,3-Trichlorobenzene	15.845	180	32508	9.666	ug/l	96

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



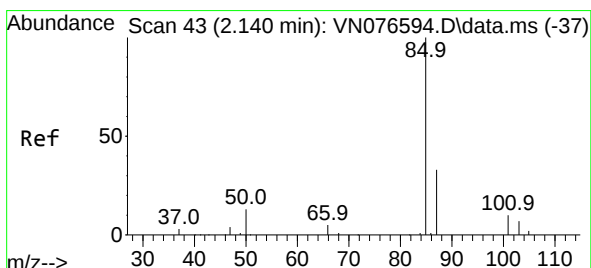
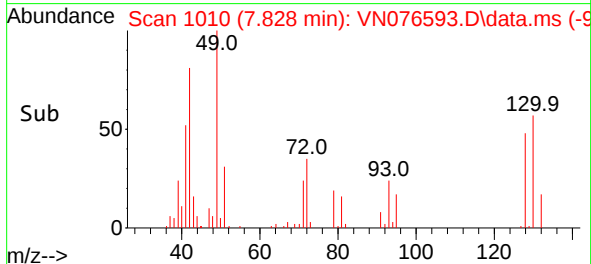
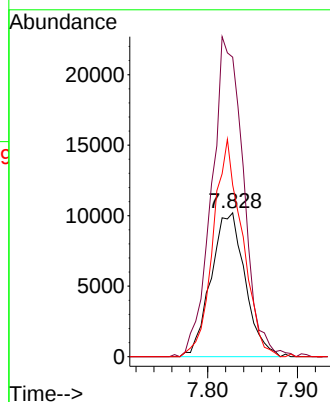
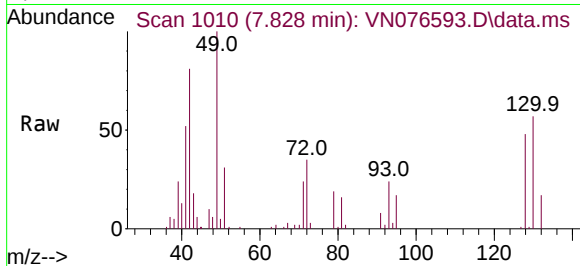
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Bromochloromethane
Concen: 30.000 ug/l
RT: 7.828 min Scan# 1009
Delta R.T. -0.002 min
Lab File: VN076593.D
Acq: 09 Feb 2023 17:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion:128 Resp: 2689
Ion Ratio Lower Upper
128 100
49 205.8 0.0 492.0
130 129.3 0.0 313.3

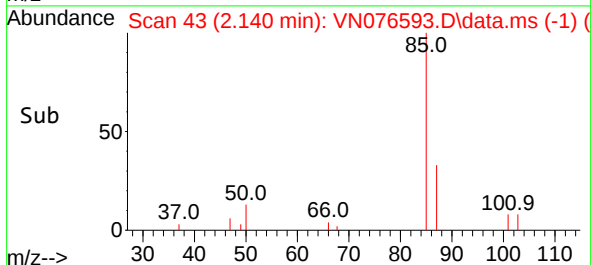
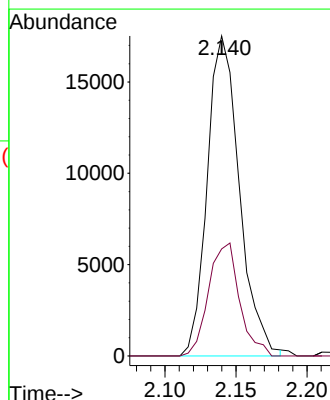
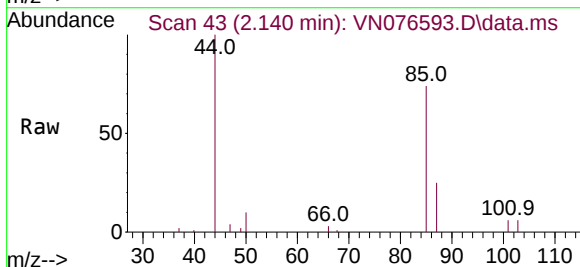
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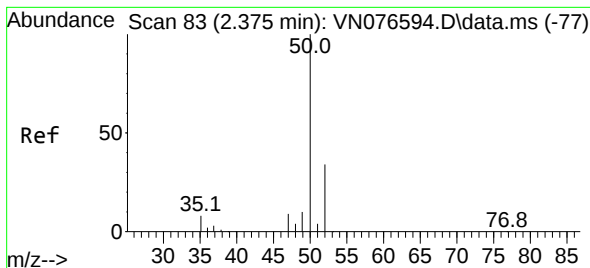
Reviewed By :John Carlone 02/10/2023
Supervised By :Semsettin Yesilyurt 02/10/2023



#2
Dichlorodifluoromethane
Concen: 7.420 ug/l
RT: 2.140 min Scan# 43
Delta R.T. -0.008 min
Lab File: VN076593.D
Acq: 09 Feb 2023 17:26

Tgt Ion: 85 Resp: 27618
Ion Ratio Lower Upper
85 100
87 33.4 16.7 50.1





#3

Chloromethane

Concen: 9.359 ug/l

RT: 2.375 min Scan# 83

Delta R.T. -0.008 min

Lab File: VN076593.D

Acq: 09 Feb 2023 17:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC010

Tgt Ion: 50 Resp: 4188

Ion Ratio Lower Upper

50 100

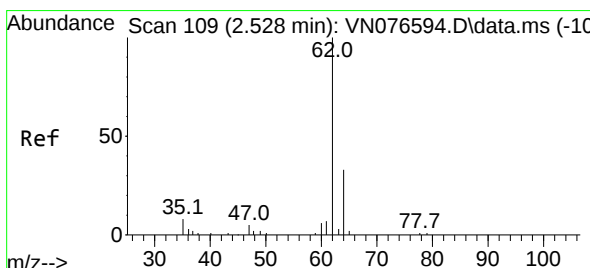
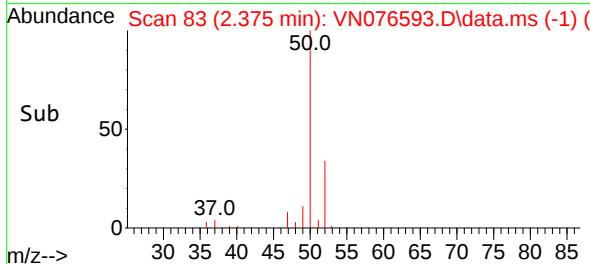
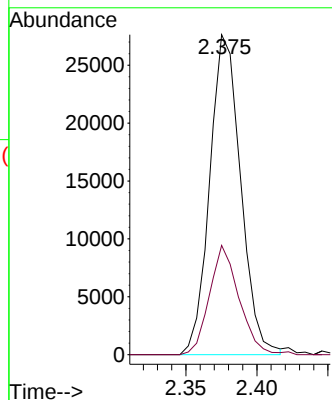
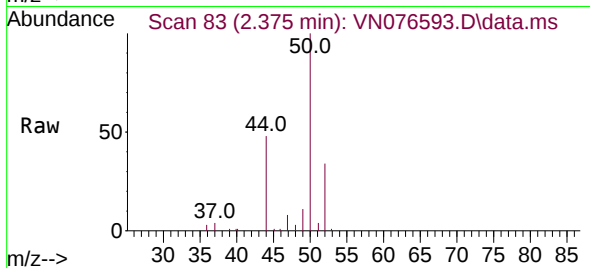
52 34.2 25.5 38.3

Manual Integrations

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Supervised By :Semsettin Yesilyurt 02/10/2023



#4

Vinyl Chloride

Concen: 9.634 ug/l

RT: 2.528 min Scan# 109

Delta R.T. -0.002 min

Lab File: VN076593.D

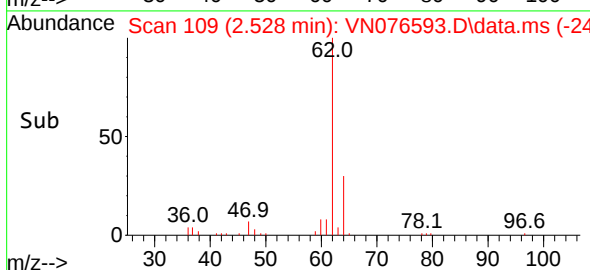
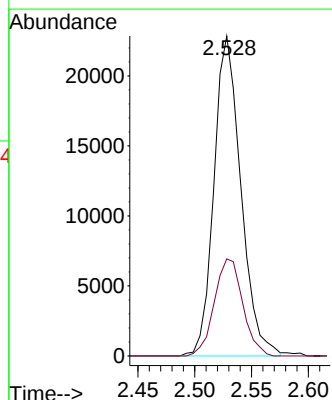
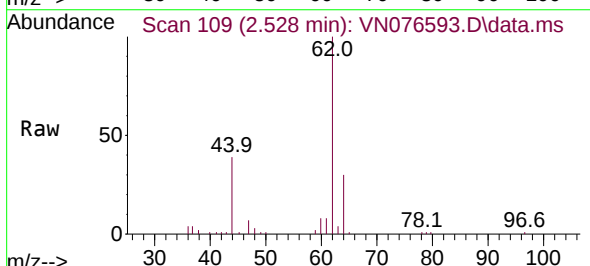
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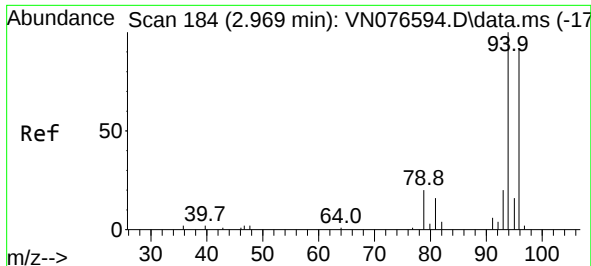
Tgt Ion: 62 Resp: 37647

Ion Ratio Lower Upper

62 100

64 30.3 25.6 38.4





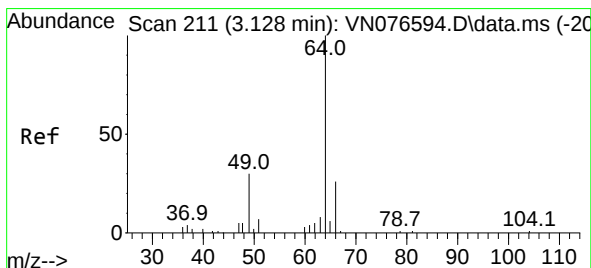
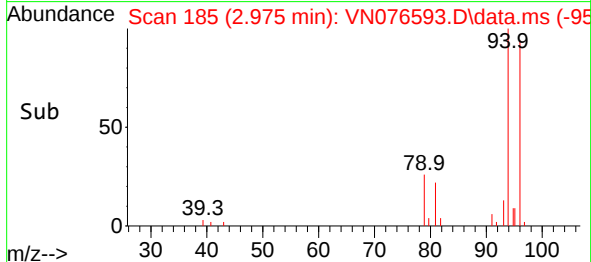
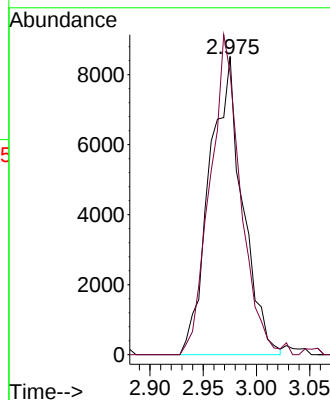
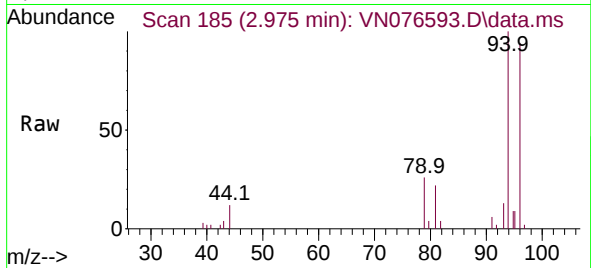
#5
Bromomethane
Concen: 9.388 ug/l
RT: 2.975 min Scan# 184
Delta R.T. 0.027 min
Lab File: VN076593.D
Acq: 09 Feb 2023 17:26

Instrument :
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VSTDIC010

Tgt Ion: 94 Resp: 18419
Ion Ratio Lower Upper
94 100
96 94.4 68.3 102.5

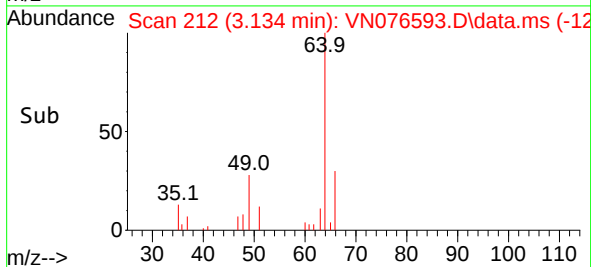
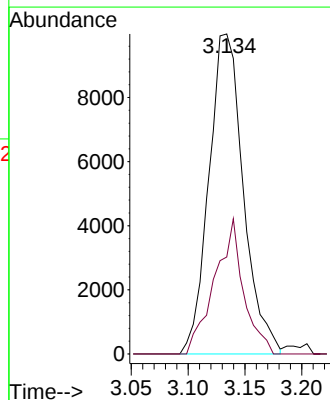
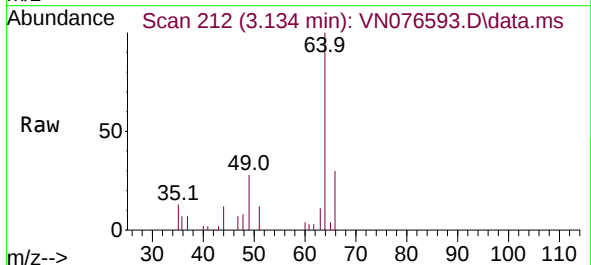
Manual Integrations
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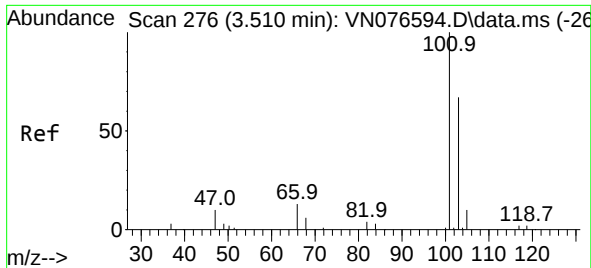
Reviewed By :John Carlone 02/10/2023
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#6
Chloroethane
Concen: 8.831 ug/l
RT: 3.134 min Scan# 212
Delta R.T. 0.010 min
Lab File: VN076593.D
Acq: 09 Feb 2023 17:26

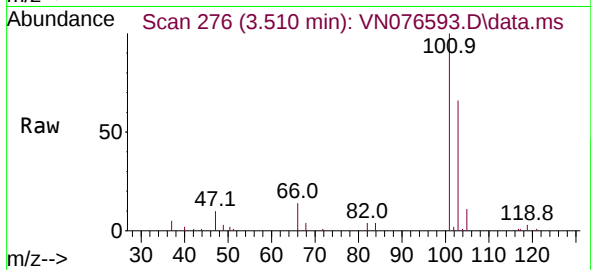
Tgt Ion: 64 Resp: 21103
Ion Ratio Lower Upper
64 100
66 30.3 21.8 32.8





#7
Trichlorofluoromethane
Concen: 10.200 ug/l
RT: 3.510 min Scan# 21
Delta R.T. 0.004 min
Lab File: VN076593.D
Acq: 09 Feb 2023 17:26

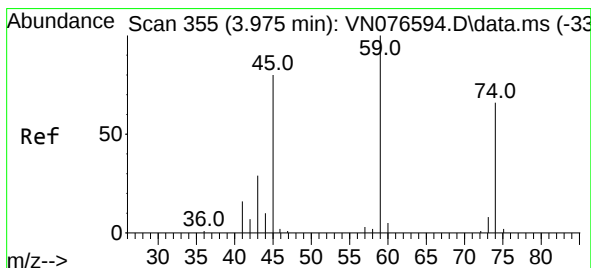
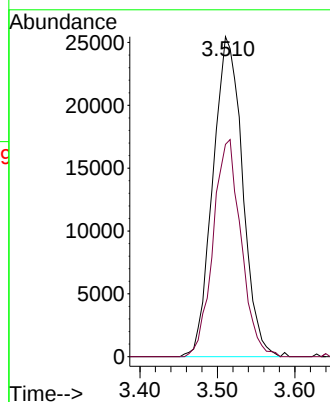
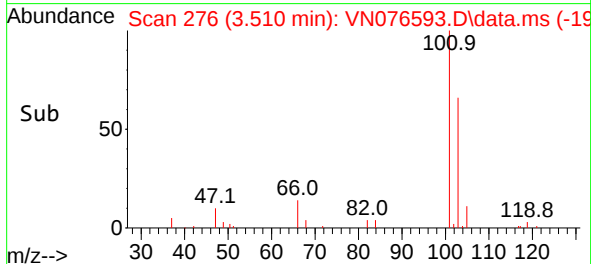
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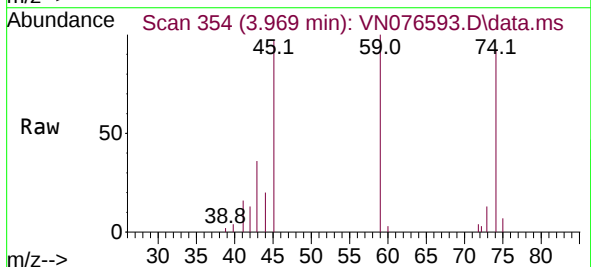
Tgt Ion:101 Resp: 6768
Ion Ratio Lower Upper
101 100
103 66.4 54.8 82.2

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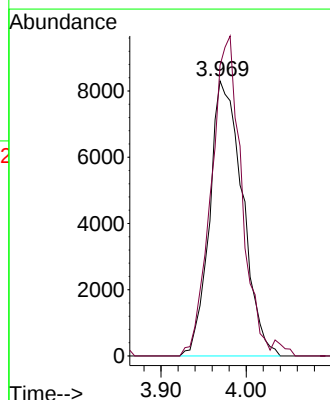
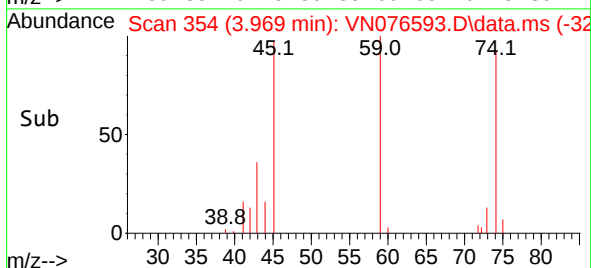
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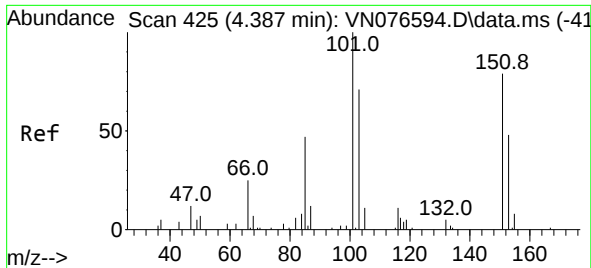


#8
Diethyl Ether
Concen: 10.584 ug/l
RT: 3.969 min Scan# 354
Delta R.T. -0.020 min
Lab File: VN076593.D
Acq: 09 Feb 2023 17:26



Tgt Ion: 74 Resp: 22277
Ion Ratio Lower Upper
74 100
45 106.9 19.0 171.0





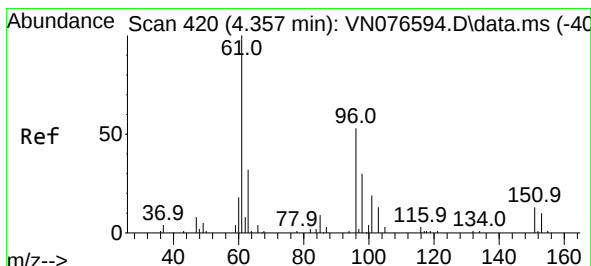
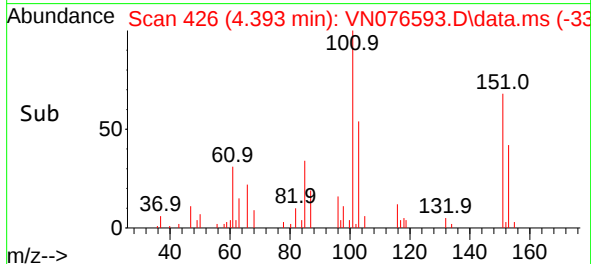
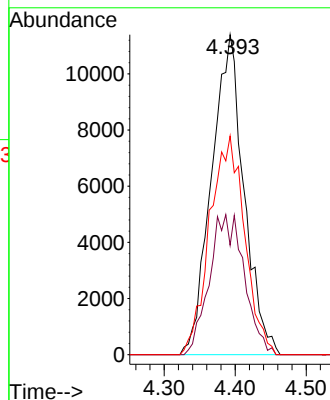
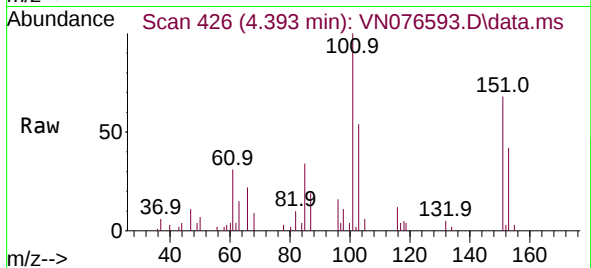
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1,1,2-Trichlorotrifluoroethane
Concen: 11.326 ug/l
RT: 4.393 min Scan# 41
Delta R.T. 0.010 min
Lab File: VN076593.D
Acq: 09 Feb 2023 17:26

Instrument :
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ClientSampleId :
VSTDICC010

Tgt Ion:101 Resp: 36178
Ion Ratio Lower Upper
101 100
85 28.6 0.0 94.6
151 73.4 0.0 144.8

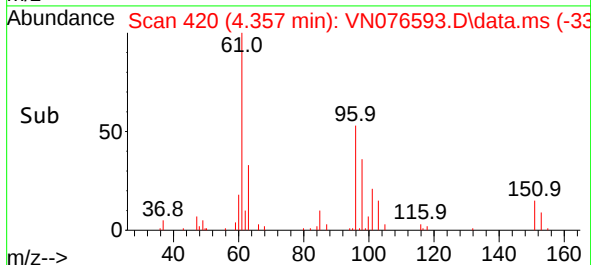
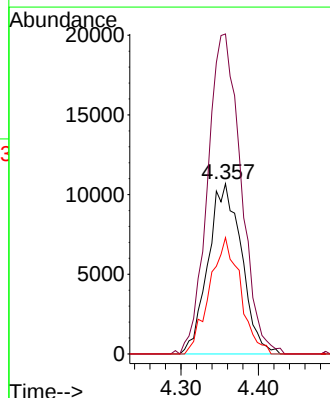
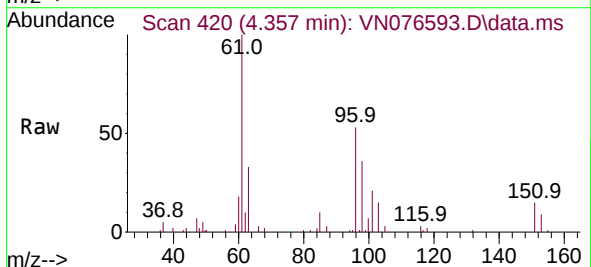
Manual Integrations
APPROVED

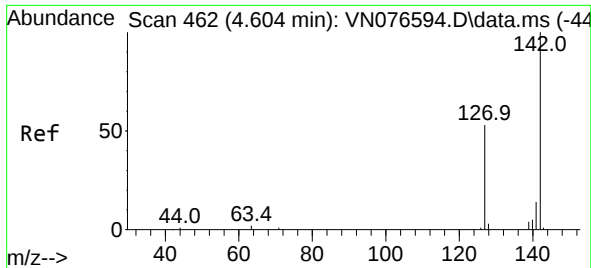
Reviewed By :John Carlone 02/10/2023
Supervised By :Semsettin Yesilyurt 02/10/2023



#10
1,1-Dichloroethene
Concen: 10.684 ug/l
RT: 4.357 min Scan# 420
Delta R.T. -0.002 min
Lab File: VN076593.D
Acq: 09 Feb 2023 17:26

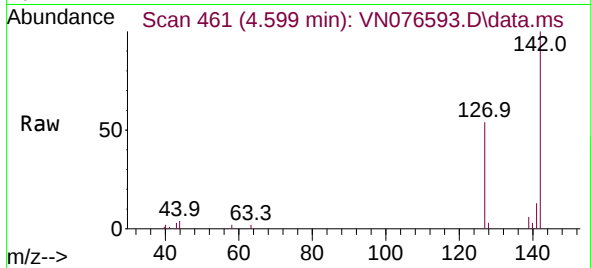
Tgt Ion: 96 Resp: 32070
Ion Ratio Lower Upper
96 100
61 188.0 125.5 188.3
98 68.4 45.0 67.4#





#11
Methyl Iodide
Concen: 10.881 ug/l
RT: 4.599 min Scan# 461
Delta R.T. -0.013 min
Lab File: VN076593.D
Acq: 09 Feb 2023 17:26

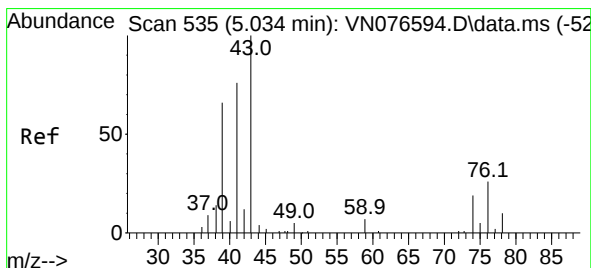
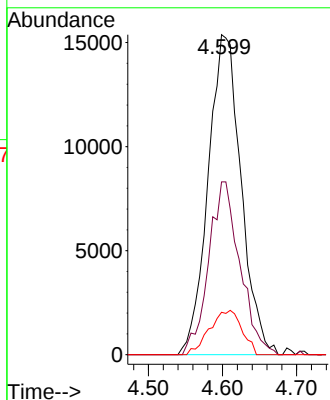
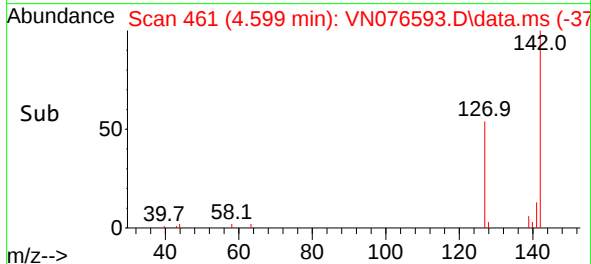
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010



Tgt Ion:142 Resp: 47495
Ion Ratio Lower Upper
142 100
127 54.0 19.3 57.8
141 13.3 7.7 23.1

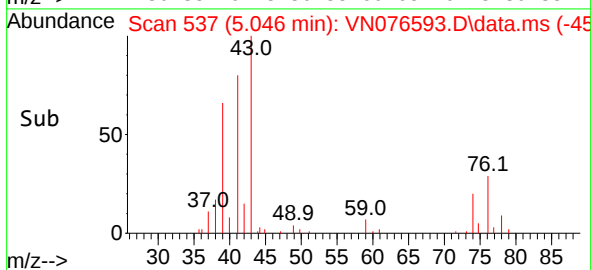
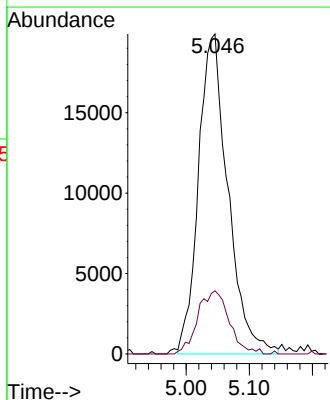
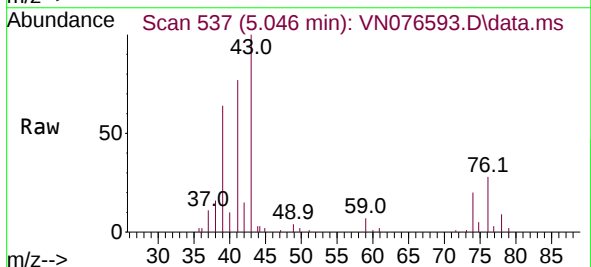
Manual Integrations
APPROVED

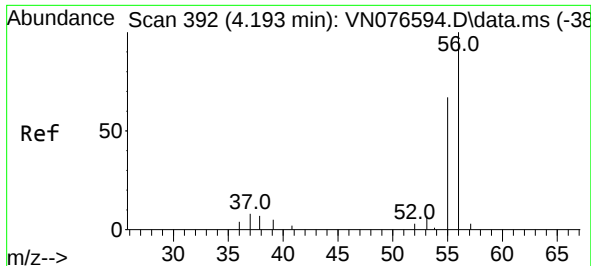
Reviewed By :John Carlone 02/10/2023
Supervised By :Semsettin Yesilyurt 02/10/2023



#12
Methyl Acetate
Concen: 10.229 ug/l
RT: 5.046 min Scan# 537
Delta R.T. -0.002 min
Lab File: VN076593.D
Acq: 09 Feb 2023 17:26

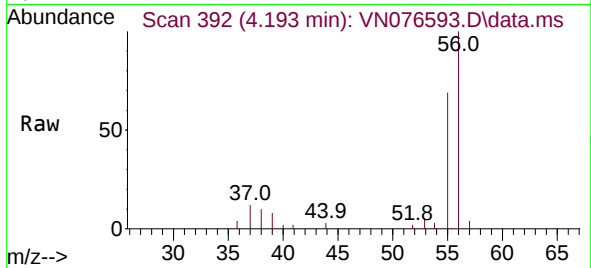
Tgt Ion: 43 Resp: 64437
Ion Ratio Lower Upper
43 100
74 19.8 19.0 28.6





#13
Acrolein
Concen: 48.713 ug/l
RT: 4.193 min Scan# 392
Delta R.T. -0.013 min
Lab File: VN076593.D
Acq: 09 Feb 2023 17:26

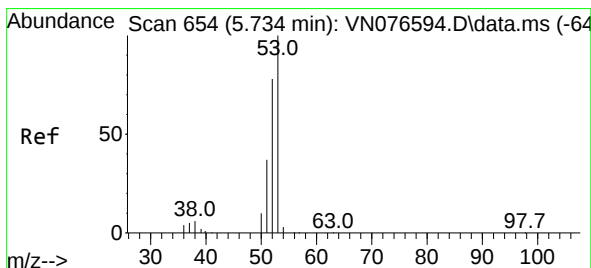
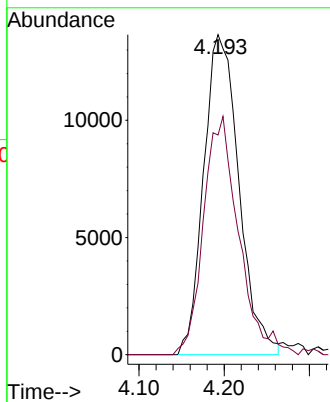
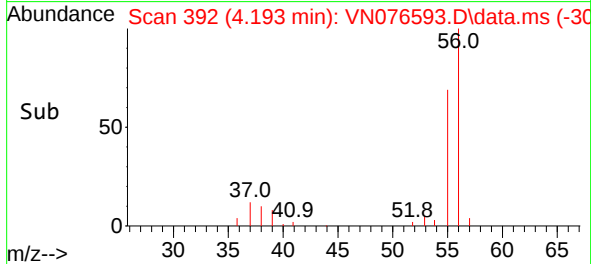
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010



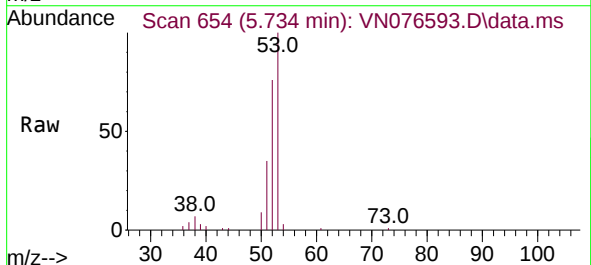
Tgt Ion: 56 Resp: 3930
Ion Ratio Lower Upper
56 100
55 72.2 56.2 84.2

Manual Integrations
APPROVED

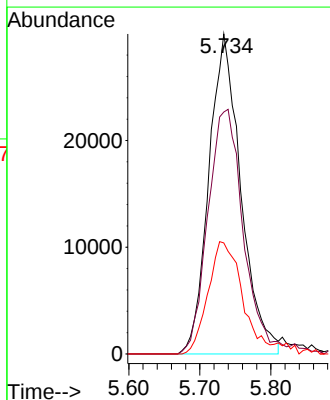
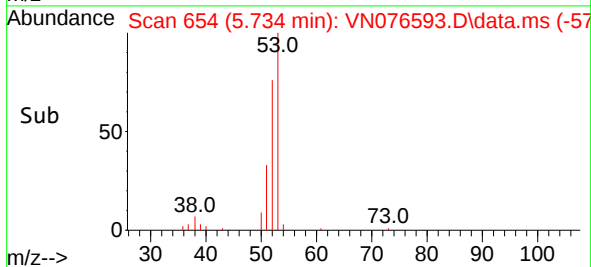
Reviewed By :John Carlone 02/10/2023
Supervised By :Semsettin Yesilyurt 02/10/2023

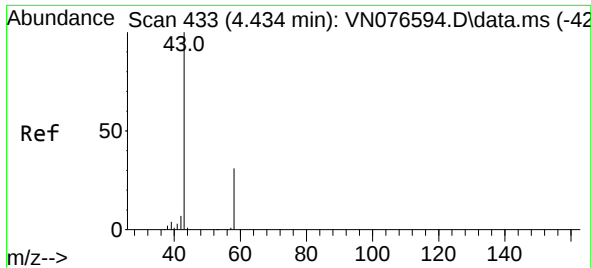


#14
Acrylonitrile
Concen: 50.833 ug/l
RT: 5.734 min Scan# 654
Delta R.T. -0.008 min
Lab File: VN076593.D
Acq: 09 Feb 2023 17:26



Tgt Ion: 53 Resp: 93812
Ion Ratio Lower Upper
53 100
52 83.0 40.8 122.4
51 37.2 17.0 51.0





#15

Acetone

Concen: 53.447 ug/l m

RT: 4.446 min Scan# 41

Delta R.T. -0.007 min

Lab File: VN076593.D

Acq: 09 Feb 2023 17:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC010

Tgt Ion: 58 Resp: 2846

Ion Ratio Lower Upper

58 100

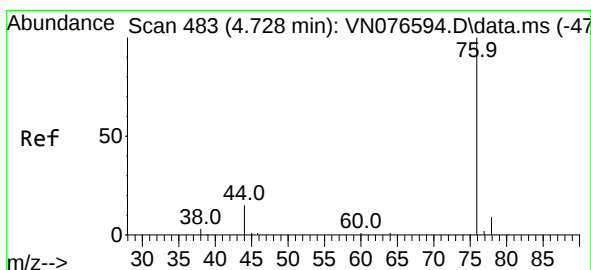
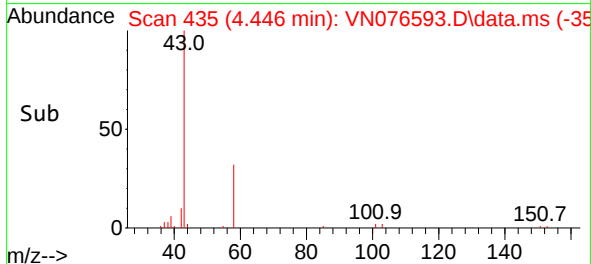
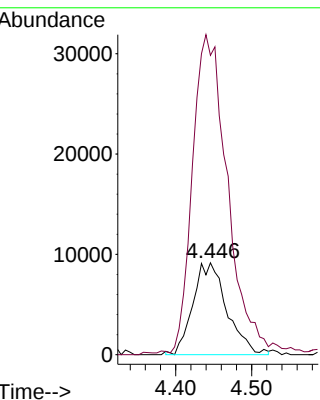
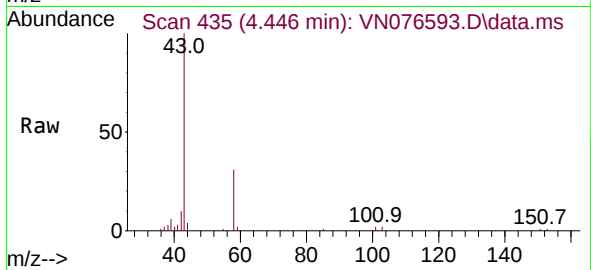
43 325.9 232.2 348.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/10/2023

Supervised By :Semsettin Yesilyurt 02/10/2023



#16

Carbon Disulfide

Concen: 10.589 ug/l

RT: 4.728 min Scan# 483

Delta R.T. -0.008 min

Lab File: VN076593.D

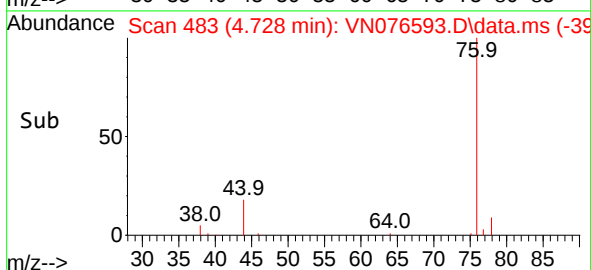
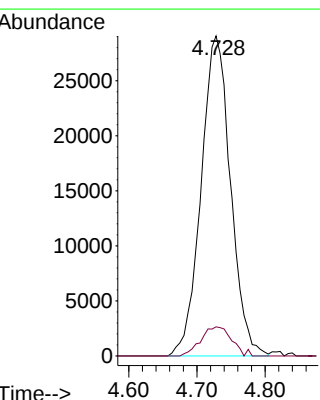
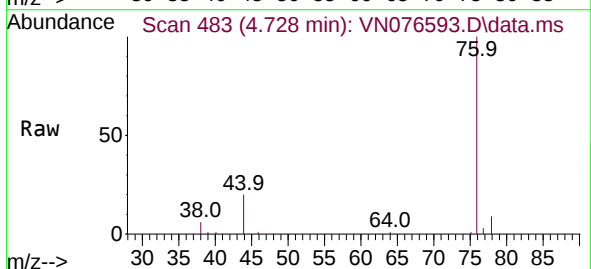
Acq: 09 Feb 2023 17:26

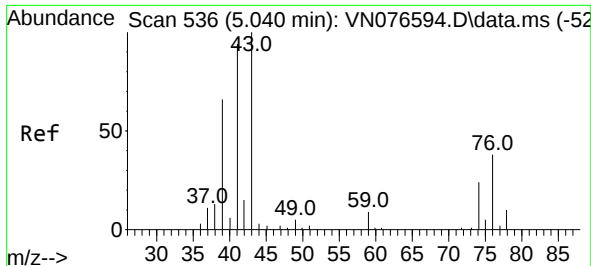
Tgt Ion: 76 Resp: 87358

Ion Ratio Lower Upper

76 100

78 9.1 7.2 10.8





#17

Allyl chloride

Concen: 10.277 ug/l

RT: 5.040 min Scan# 51

Delta R.T. -0.002 min

Lab File: VN076593.D

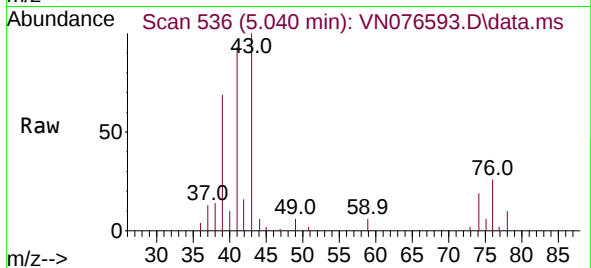
Acq: 09 Feb 2023 17:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010



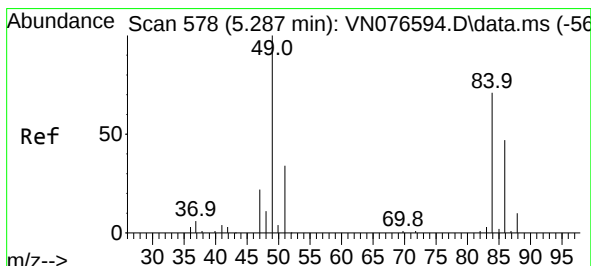
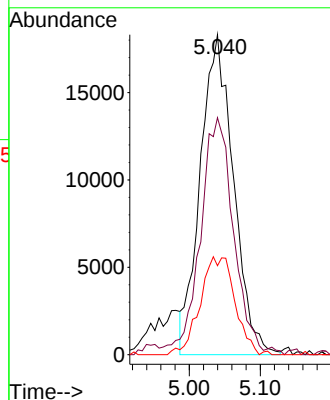
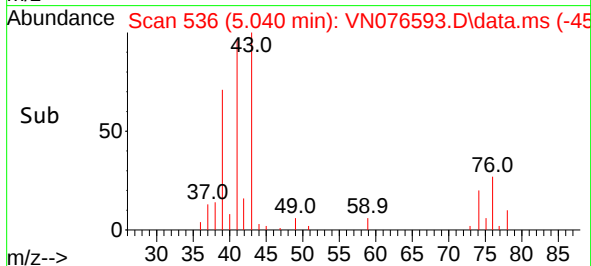
Tgt Ion:	41	Resp:	5946
Ion	Ratio	Lower	Upper
41	100		
39	73.4	39.1	117.5
76	28.1	19.8	59.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/10/2023

Supervised By :Semsettin Yesilyurt 02/10/2023



#18

Methylene Chloride

Concen: 10.838 ug/l

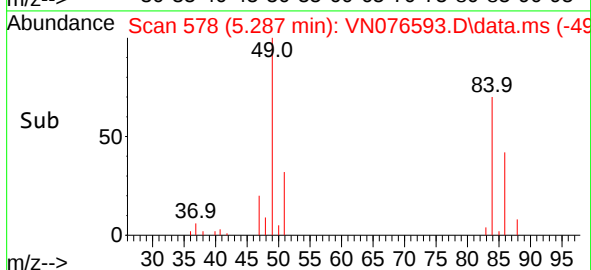
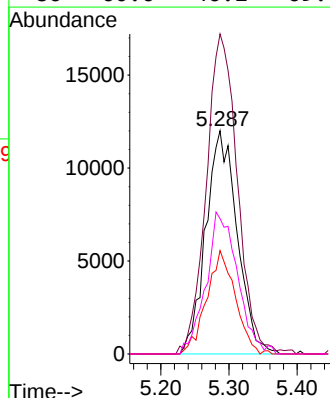
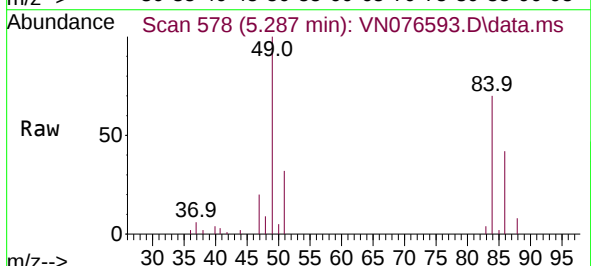
RT: 5.287 min Scan# 578

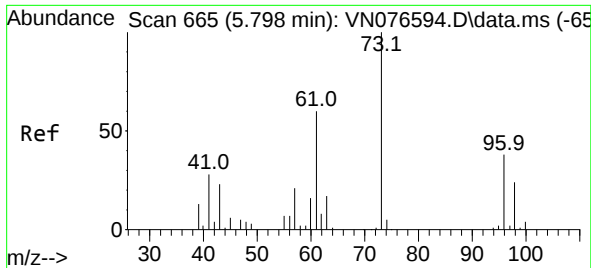
Delta R.T. -0.013 min

Lab File: VN076593.D

Acq: 09 Feb 2023 17:26

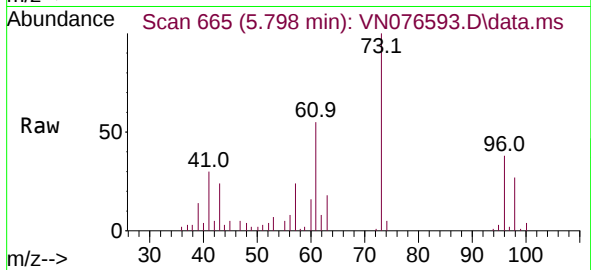
Tgt Ion:	84	Resp:	38496
Ion	Ratio	Lower	Upper
84	100		
49	141.5	99.6	149.4
51	46.3	28.2	42.2#
86	60.6	46.2	69.4





#19
trans-1,2-Dichloroethene
Concen: 10.650 ug/l
RT: 5.798 min Scan# 609
Delta R.T. -0.014 min
Lab File: VN076593.D
Acq: 09 Feb 2023 17:26

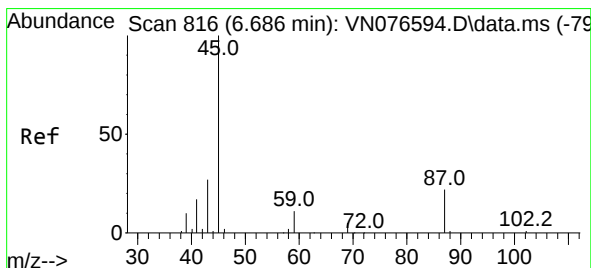
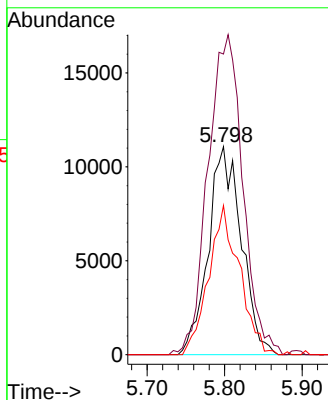
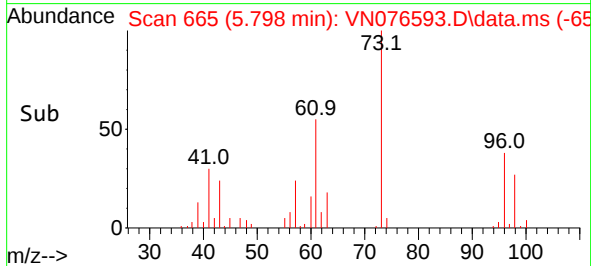
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC010



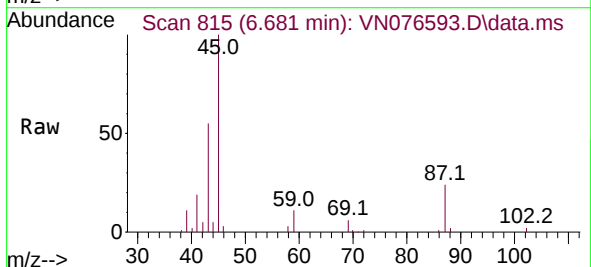
Tgt Ion: 96 Resp: 32850
Ion Ratio Lower Upper
96 100
61 143.1 110.2 165.4
98 71.7 50.0 75.0

Manual Integrations
APPROVED

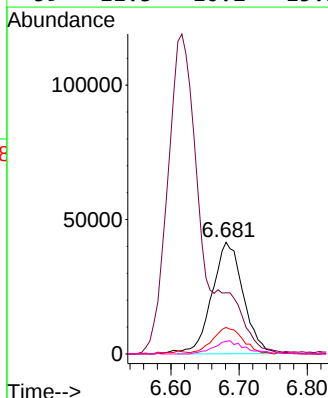
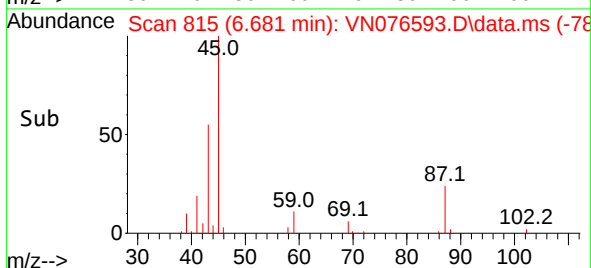
Reviewed By :John Carlone 02/10/2023
Supervised By :Semsettin Yesilyurt 02/10/2023

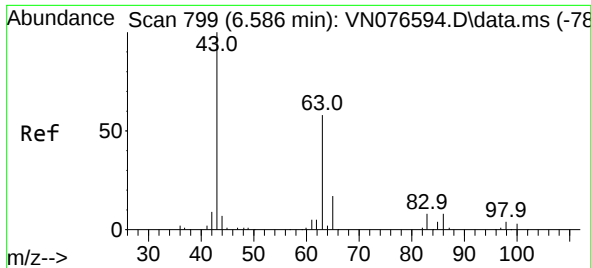


#20
Diisopropyl ether
Concen: 9.949 ug/l
RT: 6.681 min Scan# 815
Delta R.T. -0.013 min
Lab File: VN076593.D
Acq: 09 Feb 2023 17:26



Tgt Ion: 45 Resp: 131415
Ion Ratio Lower Upper
45 100
43 52.6 47.3 70.9
87 22.7 21.8 32.8
59 11.3 10.2 15.2





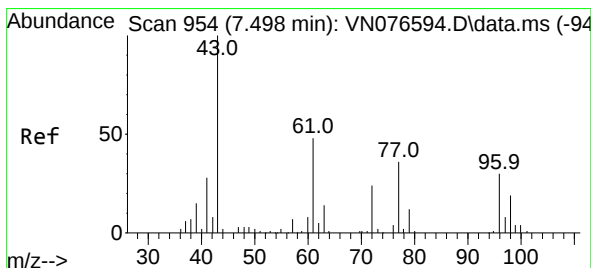
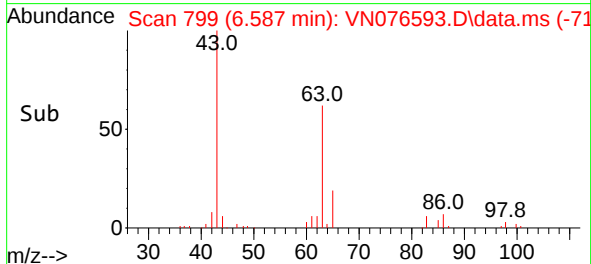
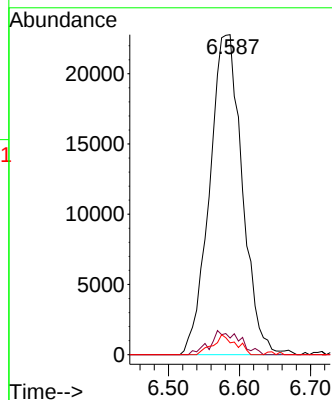
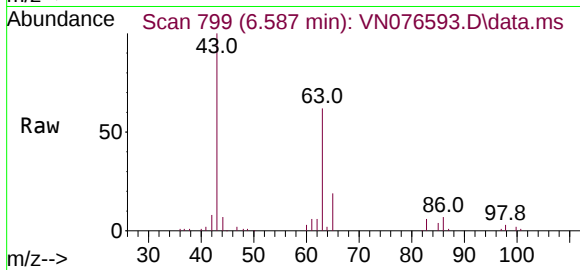
#21
1,1-Dichloroethane
Concen: 10.085 ug/l
RT: 6.587 min Scan# 799
Delta R.T. 0.004 min
Lab File: VN076593.D
Acq: 09 Feb 2023 17:26

Instrument :
MSVOA_N
Client Sample Id :
VSTDIC010

Tgt Ion: 63 Resp: 72648
Ion Ratio Lower Upper
63 100
98 5.2 3.3 9.9
100 4.5 2.2 6.6

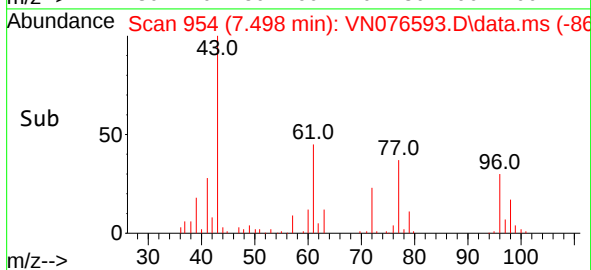
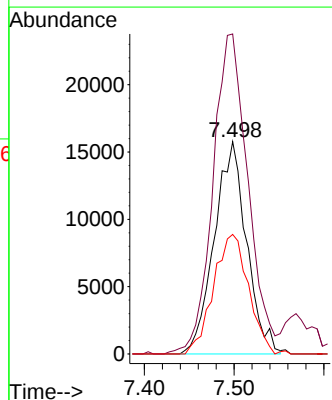
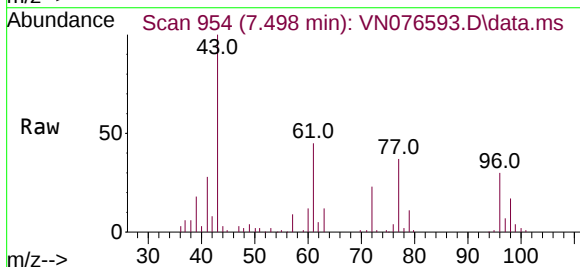
Manual Integrations
APPROVED

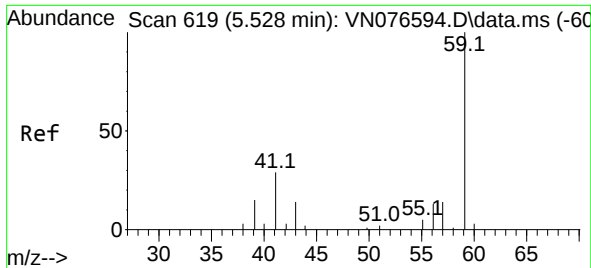
Reviewed By :John Carlone 02/10/2023
Supervised By :Semsettin Yesilyurt 02/10/2023



#22
cis-1,2-Dichloroethene
Concen: 10.664 ug/l
RT: 7.498 min Scan# 954
Delta R.T. -0.002 min
Lab File: VN076593.D
Acq: 09 Feb 2023 17:26

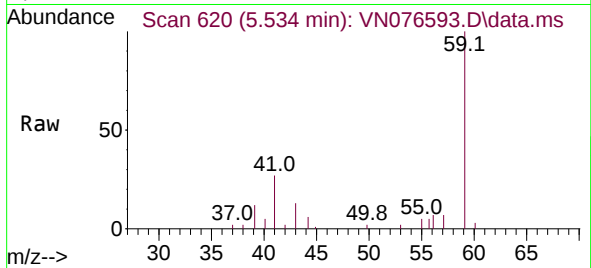
Tgt Ion: 96 Resp: 39402
Ion Ratio Lower Upper
96 100
61 163.0 118.8 178.2
98 61.0 52.1 78.1





#23
tert-Butyl Alcohol
Concen: 49.690 ug/l
RT: 5.534 min Scan# 619
Delta R.T. -0.025 min
Lab File: VN076593.D
Acq: 09 Feb 2023 17:26

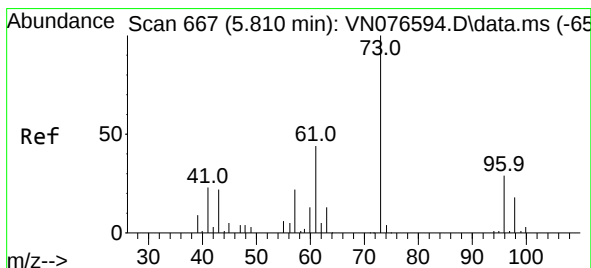
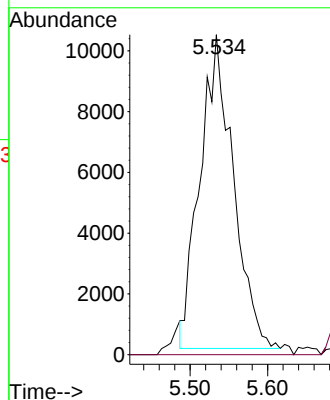
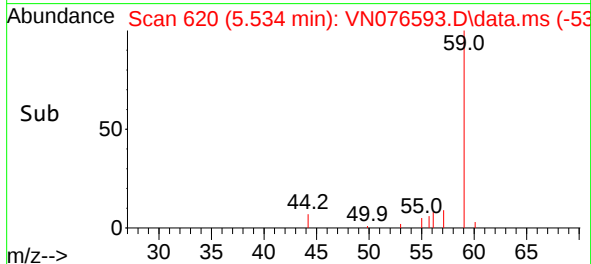
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC010



Tgt Ion: 59 Resp: 30772
Ion Ratio Lower Upper
59 100
52 0.0 0.2 0.4

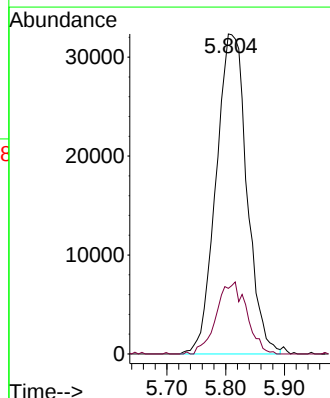
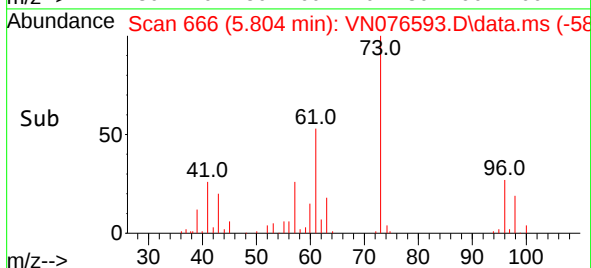
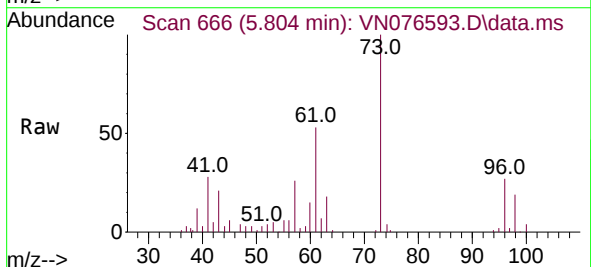
Manual Integrations
APPROVED

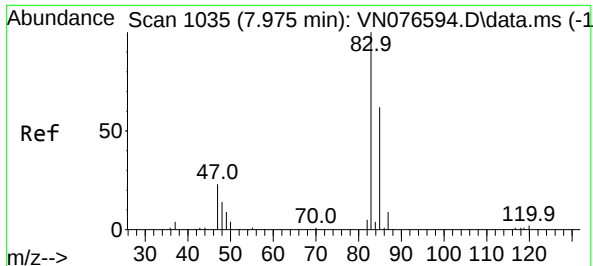
Reviewed By :John Carlone 02/10/2023
Supervised By :Semsettin Yesilyurt 02/10/2023



#24
Methyl tert-Butyl Ether
Concen: 10.890 ug/l
RT: 5.804 min Scan# 666
Delta R.T. -0.014 min
Lab File: VN076593.D
Acq: 09 Feb 2023 17:26

Tgt Ion: 73 Resp: 117770
Ion Ratio Lower Upper
73 100
43 10.0 15.6 23.4





#25

Chloroform

Concen: 10.296 ug/l

RT: 7.975 min Scan# 1035

Delta R.T. -0.002 min

Lab File: VN076593.D

Acq: 09 Feb 2023 17:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC010

Tgt Ion: 83 Resp: 73384

Ion Ratio Lower Upper

83 100

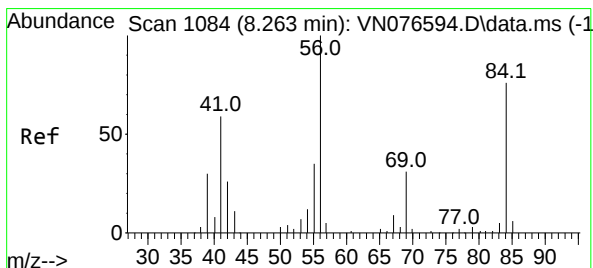
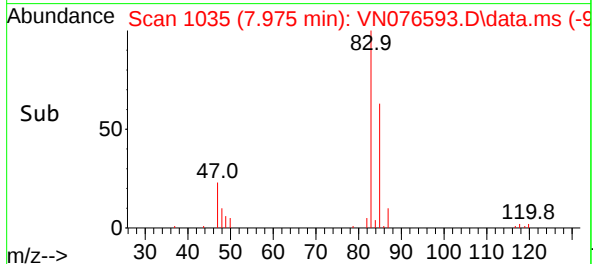
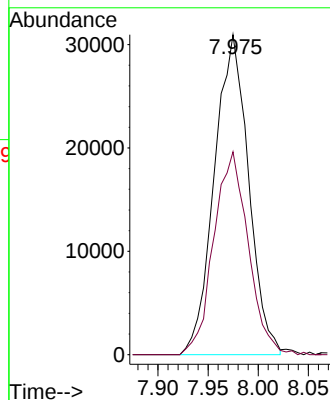
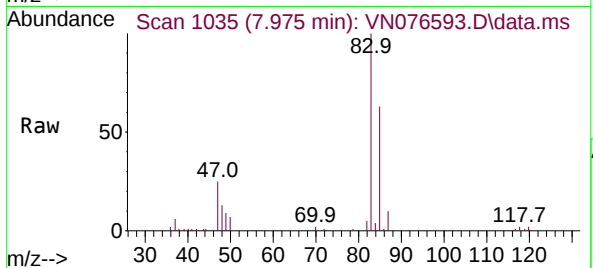
85 63.4 53.6 80.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/10/2023

Supervised By :Semsettin Yesilyurt 02/10/2023



#26

Cyclohexane

Concen: 9.916 ug/l

RT: 8.269 min Scan# 1085

Delta R.T. 0.004 min

Lab File: VN076593.D

Acq: 09 Feb 2023 17:26

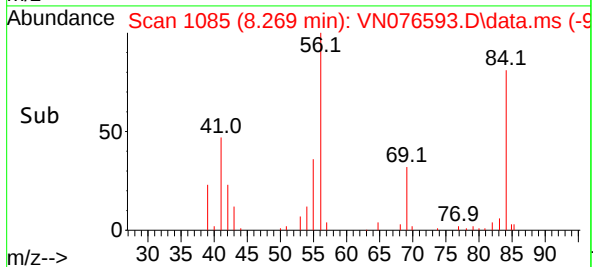
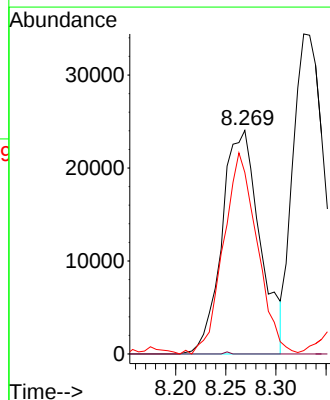
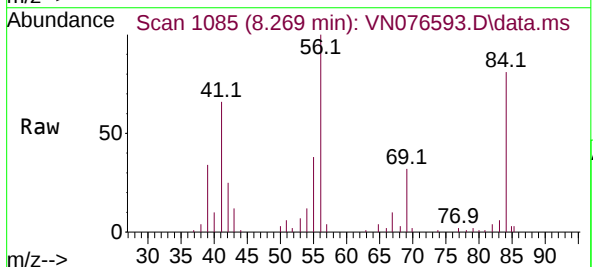
Tgt Ion: 56 Resp: 63382

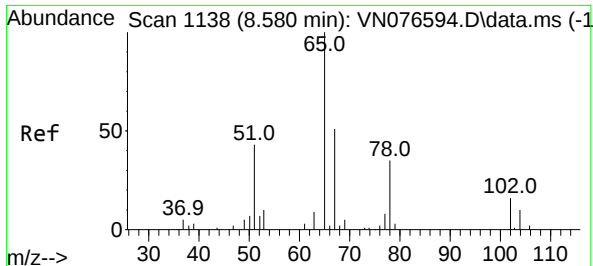
Ion Ratio Lower Upper

56 100

89 0.0 0.0 0.0

84 79.7 68.4 102.6





#27

1,2-Dichloroethane-d4

Concen: 30.889 ug/l

RT: 8.587 min Scan# 1138

Delta R.T. -0.001 min

Lab File: VN076593.D

Acq: 09 Feb 2023 17:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

Tgt Ion: 65 Resp: 9790

Ion Ratio Lower Upper

65 100

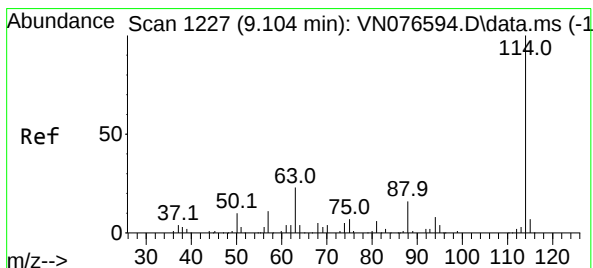
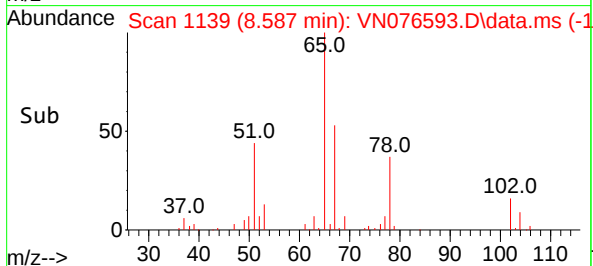
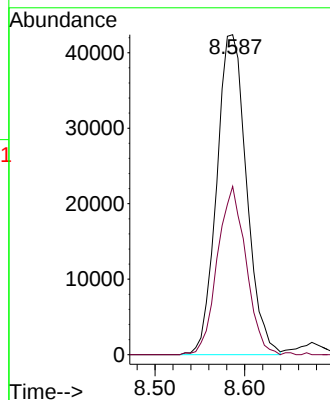
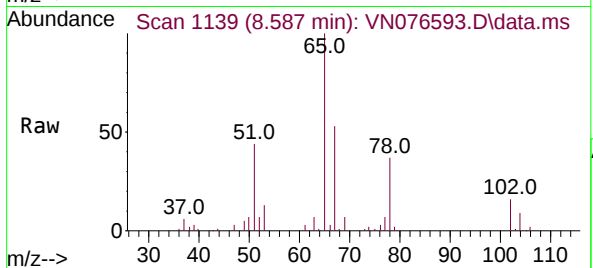
67 50.1 45.2 67.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/10/2023

Supervised By :Semsettin Yesilyurt 02/10/2023



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.104 min Scan# 1227

Delta R.T. -0.002 min

Lab File: VN076593.D

Acq: 09 Feb 2023 17:26

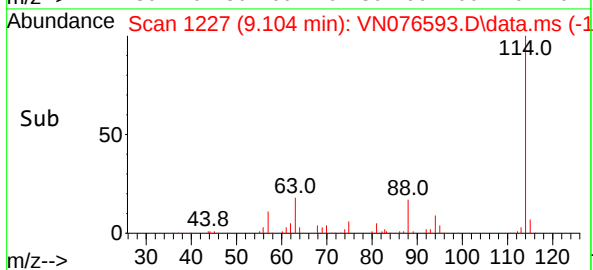
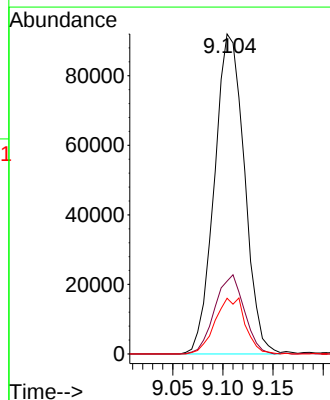
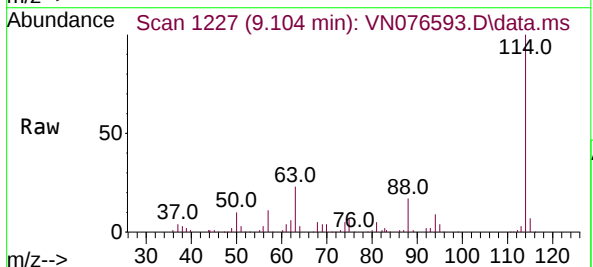
Tgt Ion:114 Resp: 191507

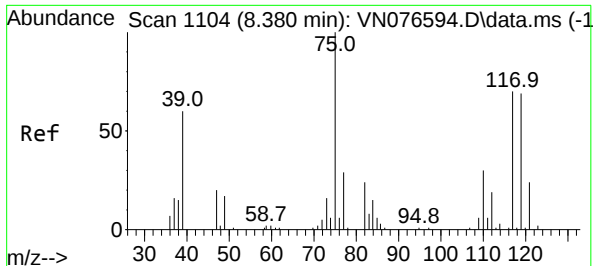
Ion Ratio Lower Upper

114 100

63 24.3 16.6 25.0

88 17.7 12.2 18.4





#29

1,1-Dichloropropene

Concen: 10.238 ug/l

RT: 8.381 min Scan# 1104

Delta R.T. -0.002 min

Lab File: VN076593.D

Acq: 09 Feb 2023 17:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

Tgt Ion: 75 Resp: 50750

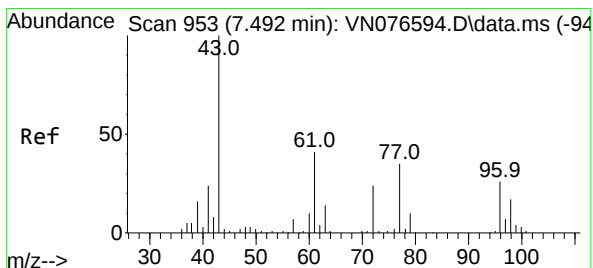
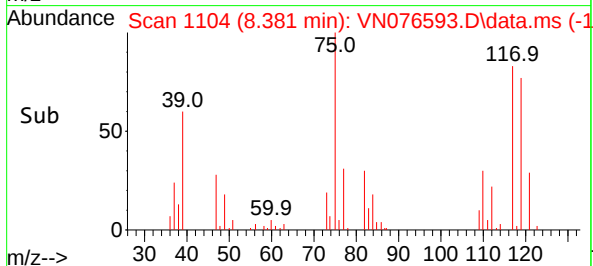
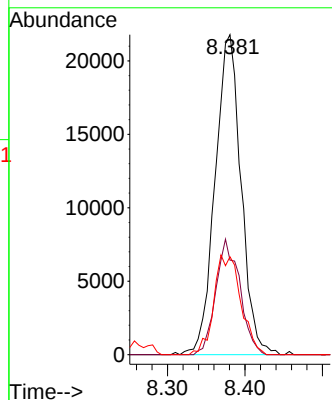
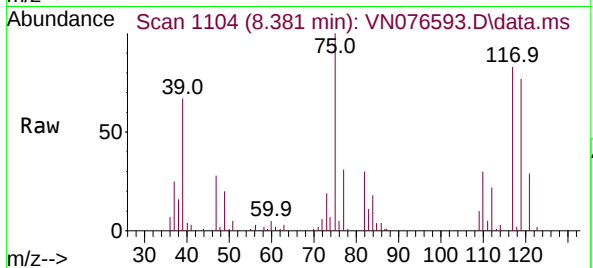
Ion	Ratio	Lower	Upper
75	100		
110	33.5	0.0	72.2
77	16.0	0.0	64.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/10/2023

Supervised By :Semsettin Yesilyurt 02/10/2023



#30

2-Butanone

Concen: 53.682 ug/l

RT: 7.487 min Scan# 952

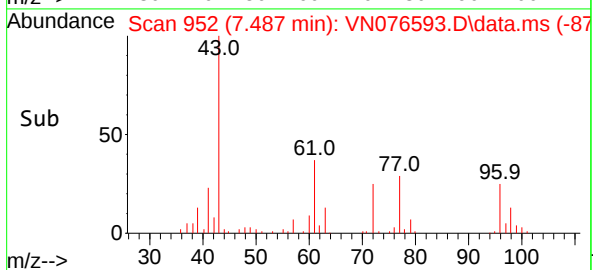
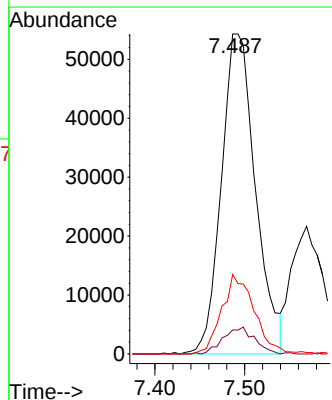
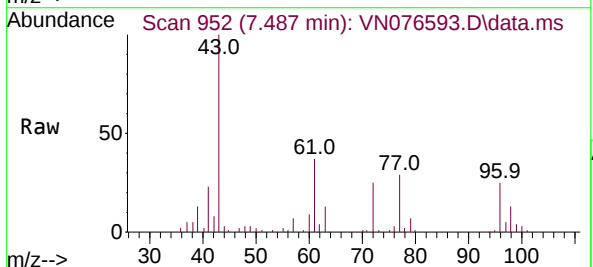
Delta R.T. -0.019 min

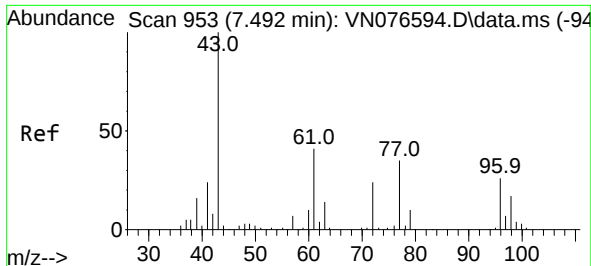
Lab File: VN076593.D

Acq: 09 Feb 2023 17:26

Tgt Ion: 43 Resp: 143637

Ion	Ratio	Lower	Upper
43	100		
57	7.6	6.3	9.5
72	23.6	21.0	31.4





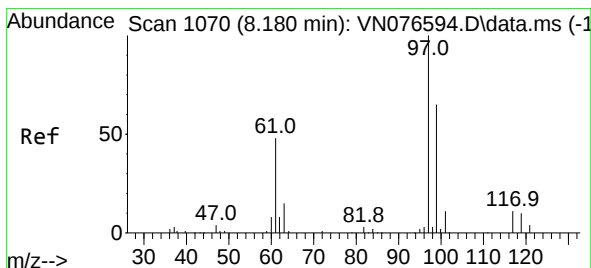
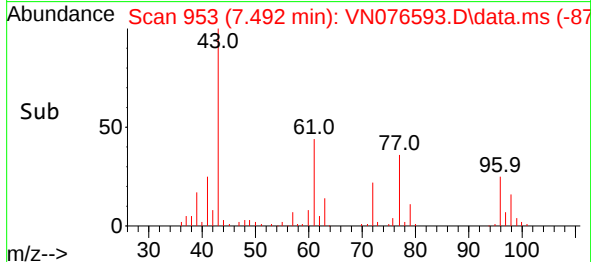
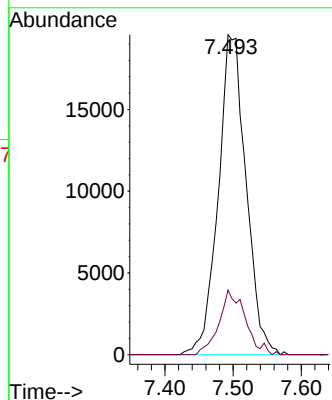
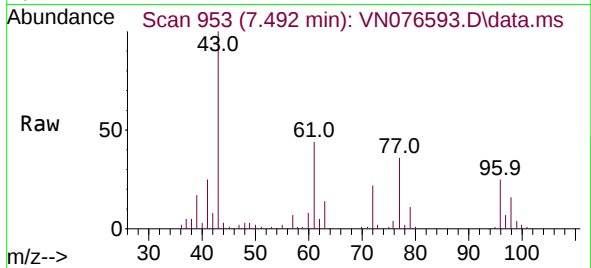
#31
2,2-Dichloropropane
Concen: 10.791 ug/l
RT: 7.492 min Scan# 91
Delta R.T. -0.014 min
Lab File: VN076593.D
Acq: 09 Feb 2023 17:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC010

Tgt Ion: 77 Resp: 55538
Ion Ratio Lower Upper
77 100
97 12.3 18.4 27.6

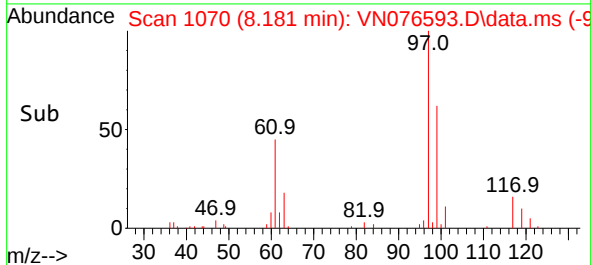
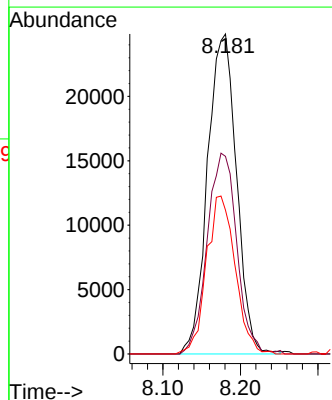
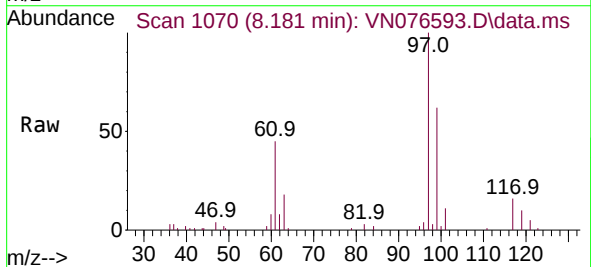
Manual Integrations
APPROVED

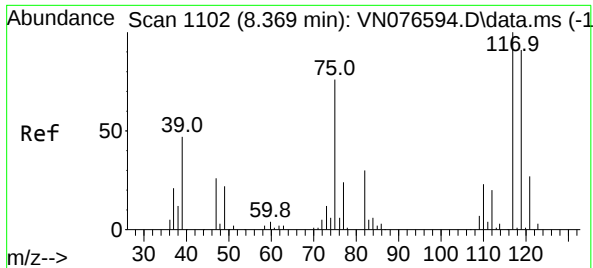
Reviewed By :John Carlone 02/10/2023
Supervised By :Semsettin Yesilyurt 02/10/2023



#32
1,1,1-Trichloroethane
Concen: 10.518 ug/l
RT: 8.181 min Scan# 1070
Delta R.T. -0.002 min
Lab File: VN076593.D
Acq: 09 Feb 2023 17:26

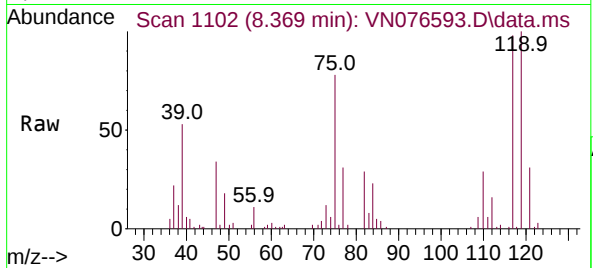
Tgt Ion: 97 Resp: 64688
Ion Ratio Lower Upper
97 100
99 63.6 50.0 75.0
61 48.6 36.1 54.1





#33
Carbon Tetrachloride
Concen: 10.462 ug/l
RT: 8.369 min Scan# 1102
Delta R.T. -0.002 min
Lab File: VN076593.D
Acq: 09 Feb 2023 17:26

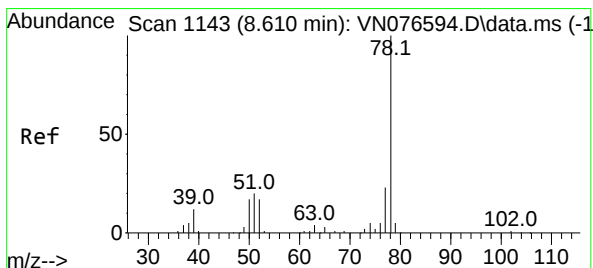
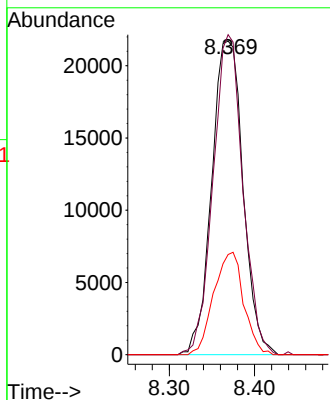
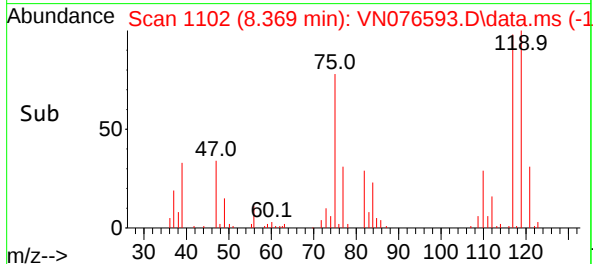
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010



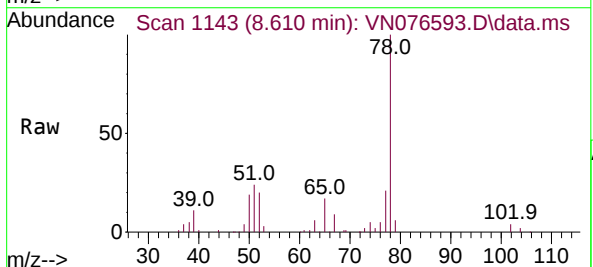
Tgt Ion:117 Resp: 5551
Ion Ratio Lower Upper
117 100
119 102.1 77.8 116.6
121 32.0 27.6 41.4

Manual Integrations
APPROVED

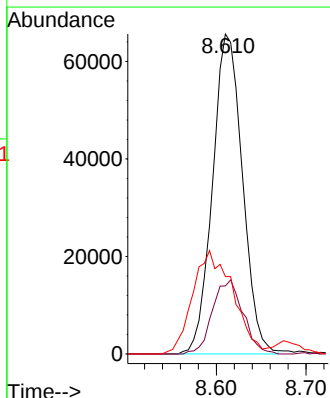
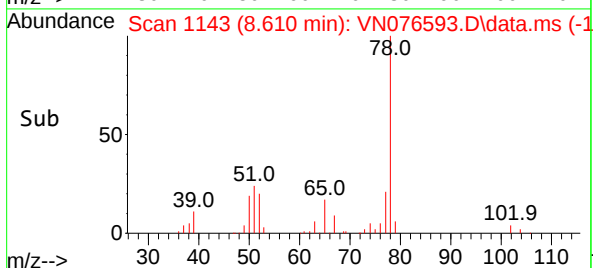
Reviewed By :John Carlone 02/10/2023
Supervised By :Semsettin Yesilyurt 02/10/2023

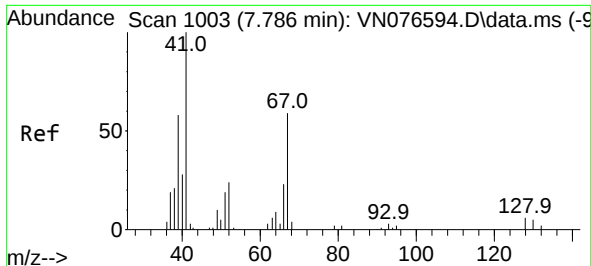


#34
Benzene
Concen: 9.974 ug/l
RT: 8.610 min Scan# 1143
Delta R.T. -0.002 min
Lab File: VN076593.D
Acq: 09 Feb 2023 17:26



Tgt Ion: 78 Resp: 151921
Ion Ratio Lower Upper
78 100
77 21.3 19.9 29.9
51 21.0 21.1 31.7#





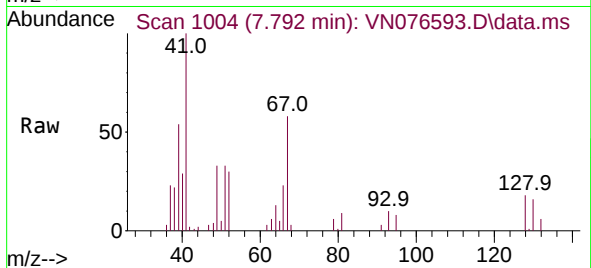
#35
Methacrylonitrile
Concen: 10.394 ug/l
RT: 7.792 min Scan# 1004
Delta R.T. -0.002 min
Lab File: VN076593.D
Acq: 09 Feb 2023 17:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010



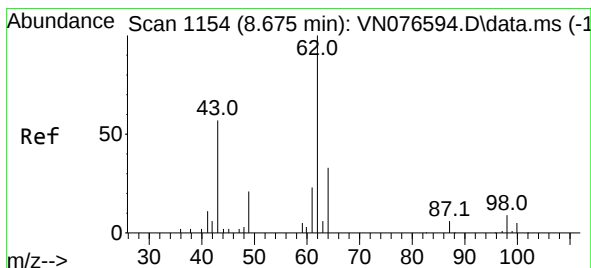
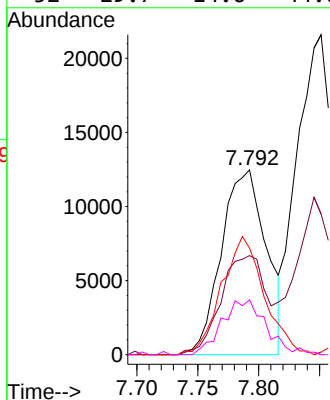
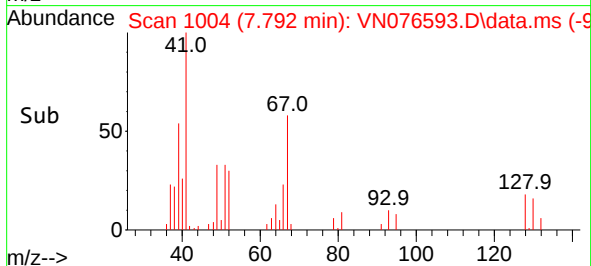
Tgt Ion: 41 Resp: 3197
Ion Ratio Lower Upper
41 100
39 53.6 27.7 83.1
67 57.7 38.0 113.9
52 29.7 14.6 44.0

Manual Integrations

APPROVED

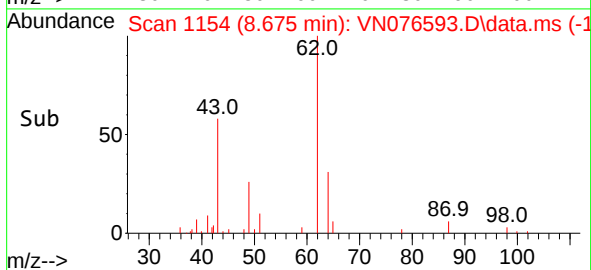
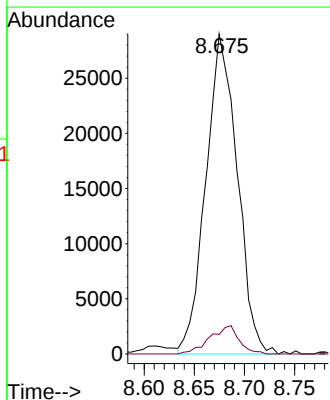
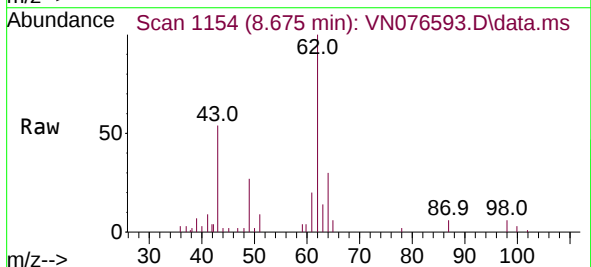
Reviewed By :John Carlone 02/10/2023

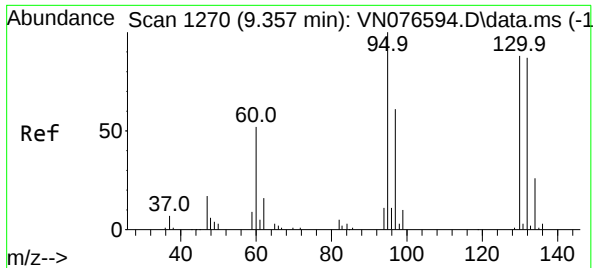
Supervised By :Semsettin Yesilyurt 02/10/2023



#36
1,2-Dichloroethane
Concen: 10.814 ug/l
RT: 8.675 min Scan# 1154
Delta R.T. -0.008 min
Lab File: VN076593.D
Acq: 09 Feb 2023 17:26

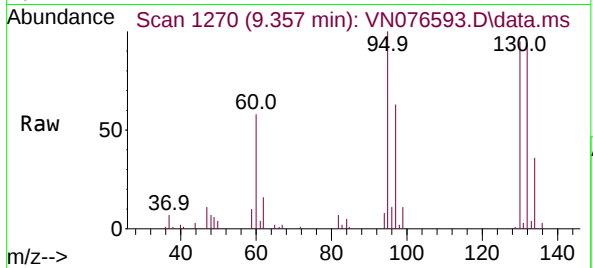
Tgt Ion: 62 Resp: 63164
Ion Ratio Lower Upper
62 100
98 8.2 7.4 11.2





#37
Trichloroethene
Concen: 11.052 ug/l
RT: 9.357 min Scan# 1270
Delta R.T. -0.002 min
Lab File: VN076593.D
Acq: 09 Feb 2023 17:26

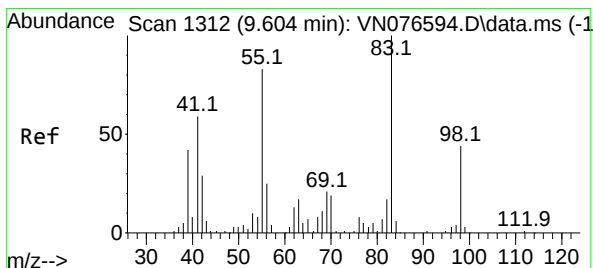
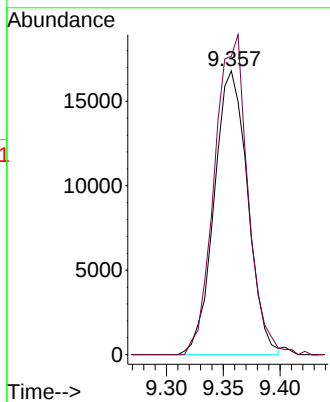
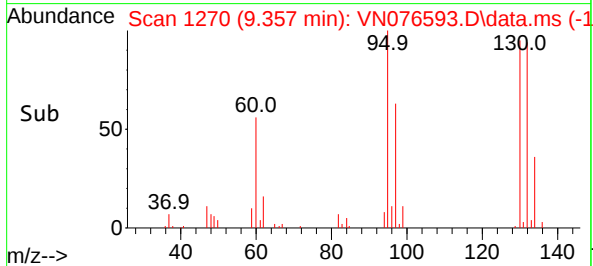
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC010



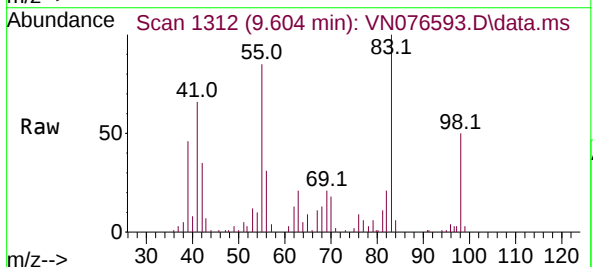
Tgt Ion:130 Resp: 3446
Ion Ratio Lower Upper
130 100
95 105.1 75.9 113.9

Manual Integrations
APPROVED

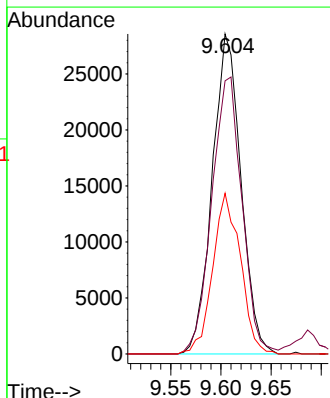
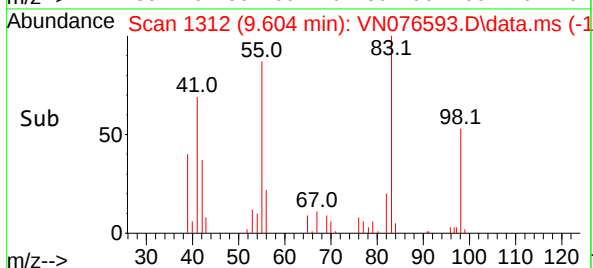
Reviewed By :John Carlone 02/10/2023
Supervised By :Semsettin Yesilyurt 02/10/2023

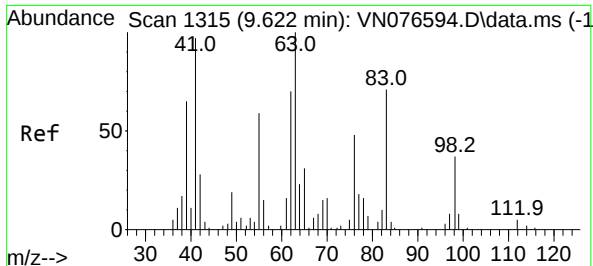


#38
Methylcyclohexane
Concen: 10.386 ug/l
RT: 9.604 min Scan# 1312
Delta R.T. -0.002 min
Lab File: VN076593.D
Acq: 09 Feb 2023 17:26



Tgt Ion: 83 Resp: 56984
Ion Ratio Lower Upper
83 100
55 91.1 37.4 112.2
98 48.4 24.5 73.5





#39

1,2-Dichloropropane

Concen: 11.110 ug/l

RT: 9.628 min Scan# 1315

Delta R.T. -0.002 min

Lab File: VN076593.D

Acq: 09 Feb 2023 17:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

Tgt Ion: 63 Resp: 40384

Ion Ratio Lower Upper

63 100

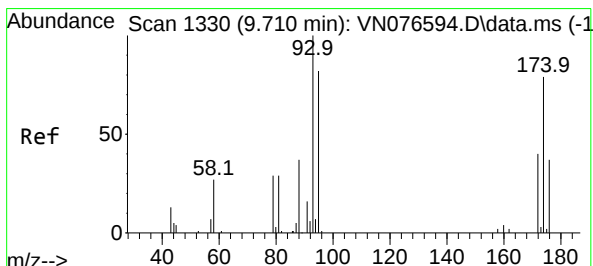
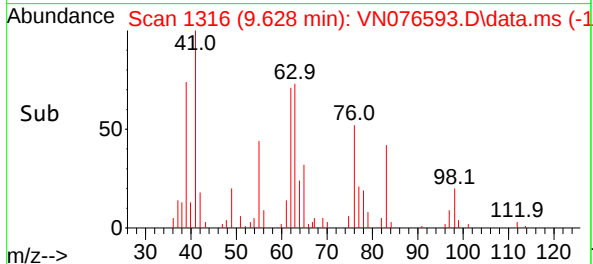
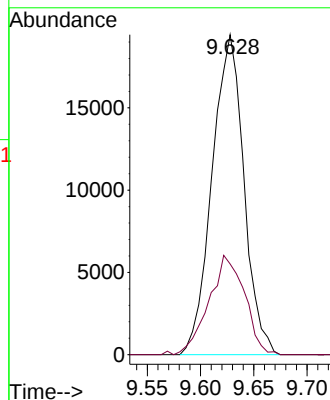
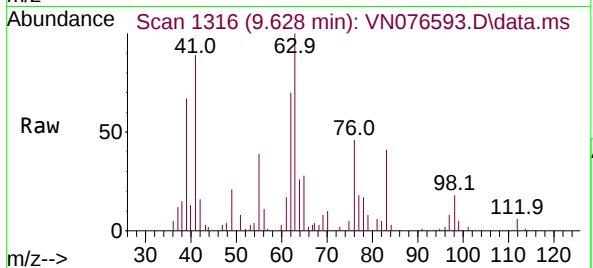
65 28.4 25.0 37.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/10/2023

Supervised By :Semsettin Yesilyurt 02/10/2023



#40

Dibromomethane

Concen: 10.624 ug/l

RT: 9.716 min Scan# 1331

Delta R.T. 0.004 min

Lab File: VN076593.D

Acq: 09 Feb 2023 17:26

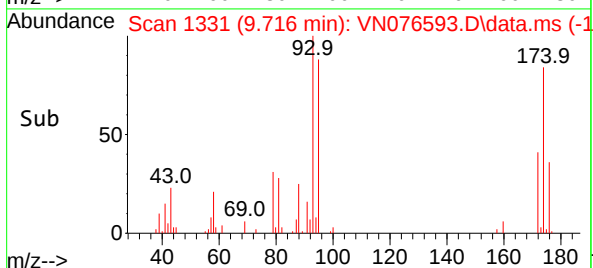
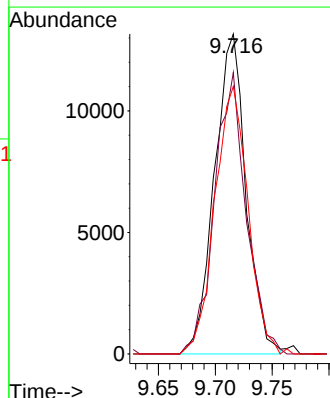
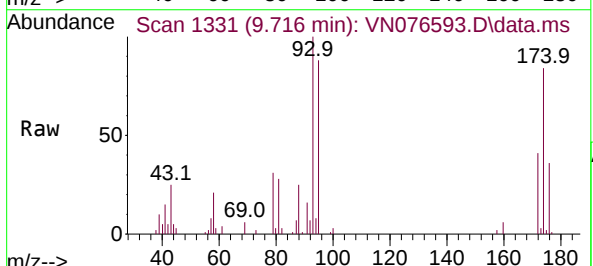
Tgt Ion: 93 Resp: 25404

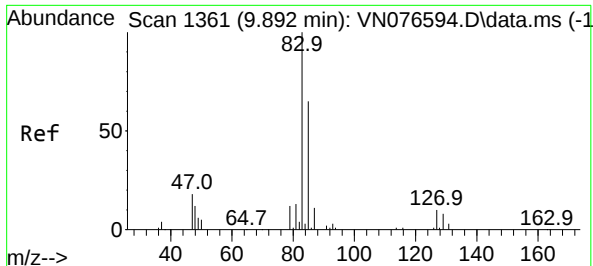
Ion Ratio Lower Upper

93 100

95 88.1 0.0 168.0

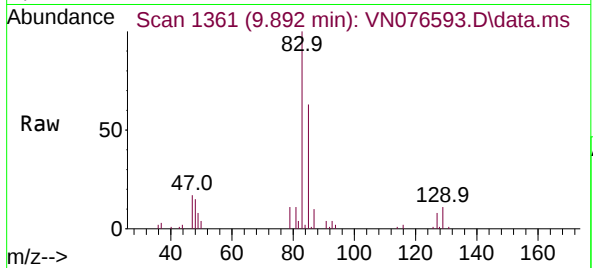
174 87.8 0.0 158.4





#41
Bromodichloromethane
Concen: 10.883 ug/l
RT: 9.892 min Scan# 1361
Delta R.T. 0.004 min
Lab File: VN076593.D
Acq: 09 Feb 2023 17:26

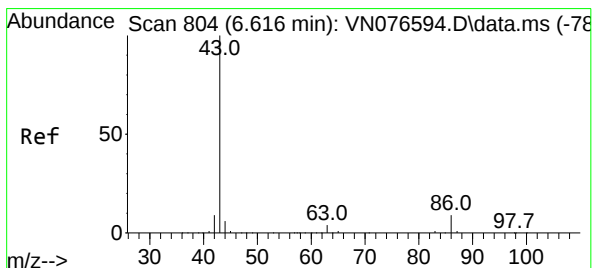
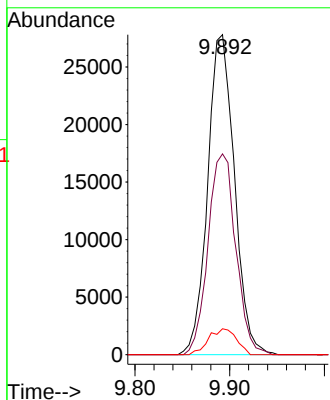
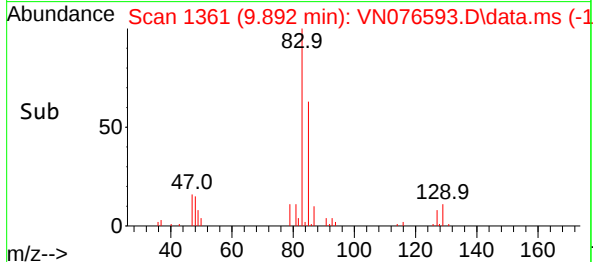
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC010



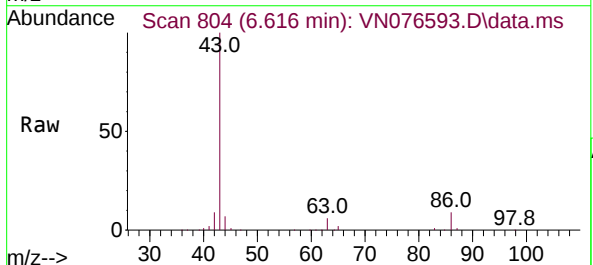
Tgt Ion: 83 Resp: 54718
Ion Ratio Lower Upper
83 100
85 62.7 50.2 75.4
127 8.1 5.1 7.7

Manual Integrations
APPROVED

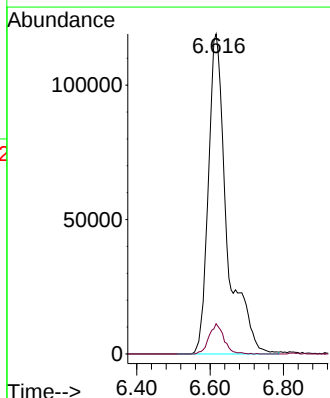
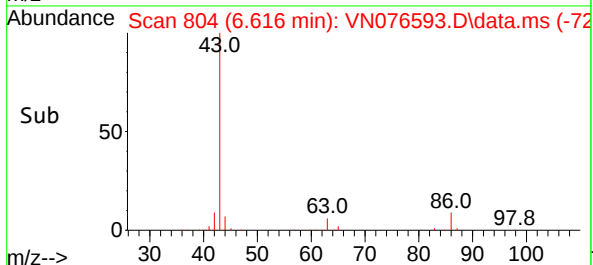
Reviewed By :John Carlone 02/10/2023
Supervised By :Semsettin Yesilyurt 02/10/2023

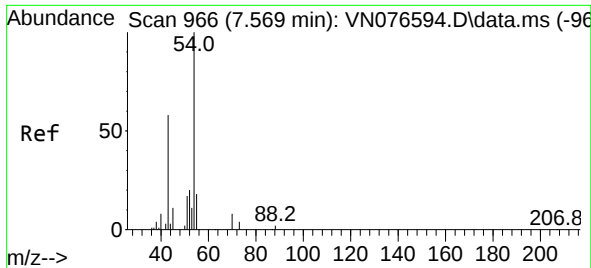


#42
Vinyl Acetate
Concen: 48.311 ug/l m
RT: 6.616 min Scan# 804
Delta R.T. -0.008 min
Lab File: VN076593.D
Acq: 09 Feb 2023 17:26



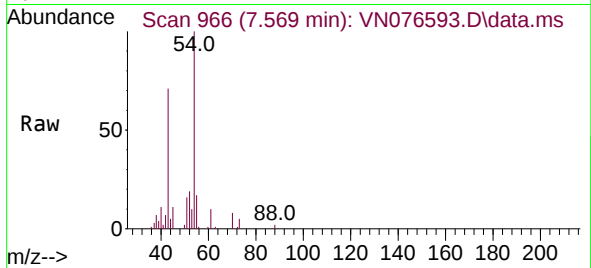
Tgt Ion: 43 Resp: 420216
Ion Ratio Lower Upper
43 100
86 7.4 7.5 11.3#





#43
Ethyl Acetate
Concen: 10.078 ug/l
RT: 7.569 min Scan# 966
Delta R.T. -0.014 min
Lab File: VN076593.D
Acq: 09 Feb 2023 17:26

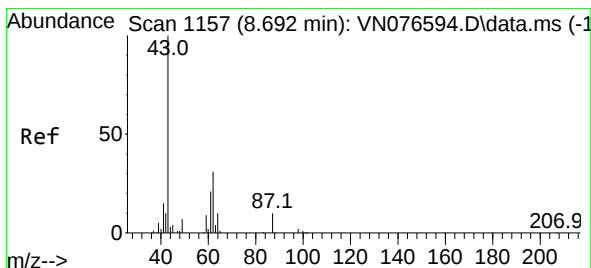
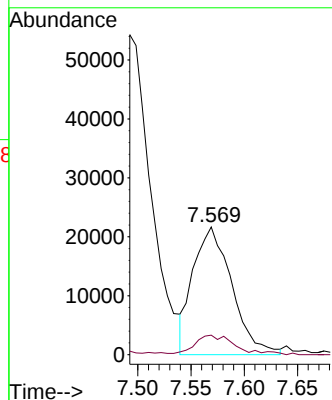
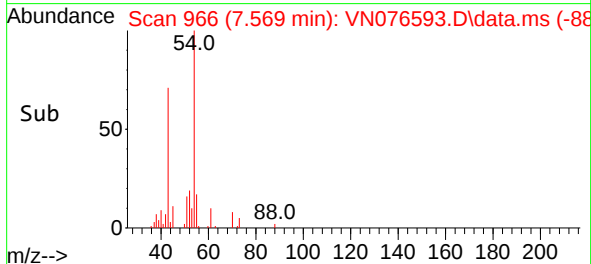
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC010



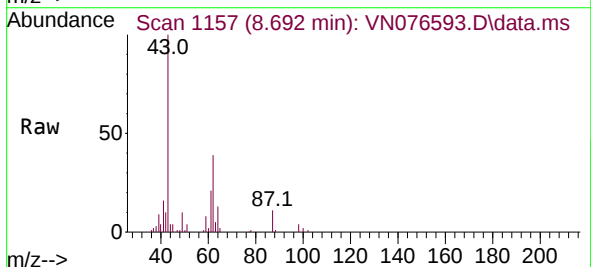
Tgt Ion: 43 Resp: 5498
Ion Ratio Lower Upper
43 100
45 15.0 11.5 17.3

Manual Integrations
APPROVED

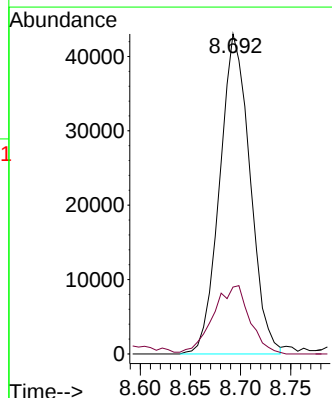
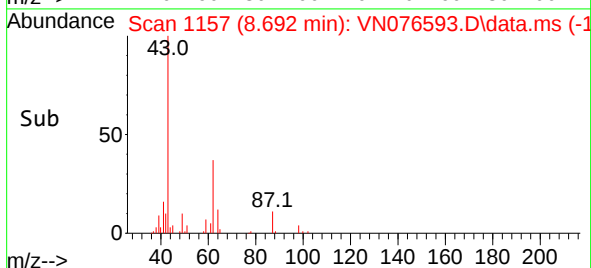
Reviewed By :John Carlone 02/10/2023
Supervised By :Semsettin Yesilyurt 02/10/2023

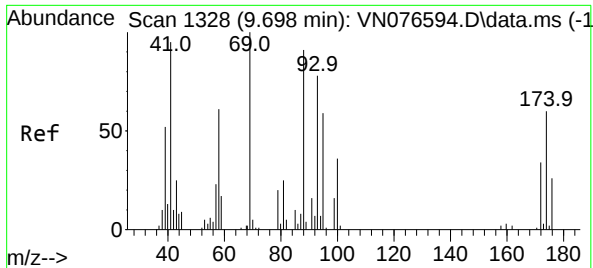


#44
Isopropyl Acetate
Concen: 10.075 ug/l
RT: 8.692 min Scan# 1157
Delta R.T. -0.002 min
Lab File: VN076593.D
Acq: 09 Feb 2023 17:26



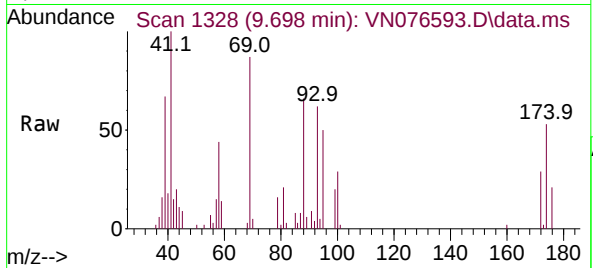
Tgt Ion: 43 Resp: 90419
Ion Ratio Lower Upper
43 100
61 25.8 19.5 29.3





#45
1,4-Dioxane
Concen: 219.996 ug/l
RT: 9.698 min Scan# 1328
Delta R.T. -0.002 min
Lab File: VN076593.D
Acq: 09 Feb 2023 17:26

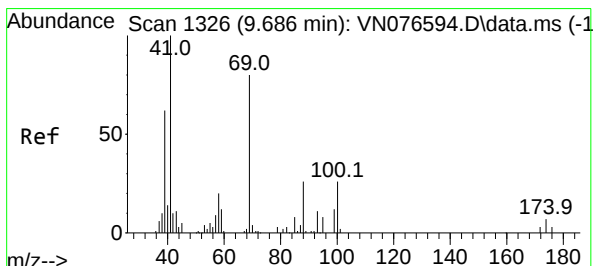
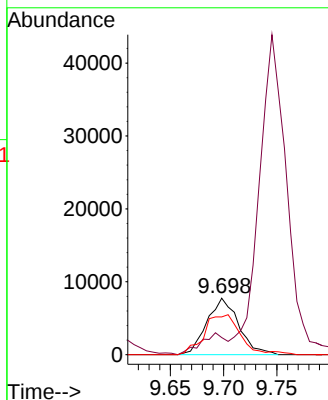
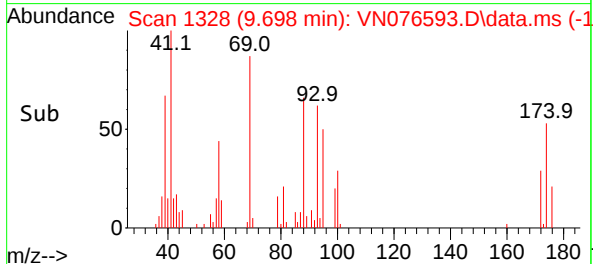
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC010



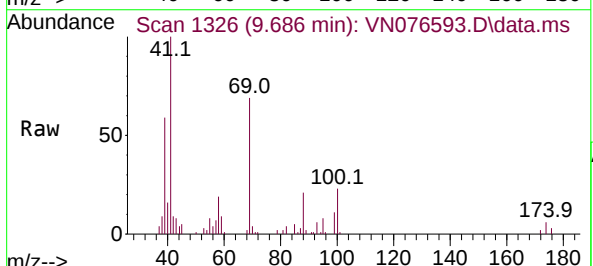
Tgt Ion: 88 Resp: 1609
Ion Ratio Lower Upper
88 100
43 30.3 25.7 38.5
58 44.5 53.4 80.2

Manual Integrations
APPROVED

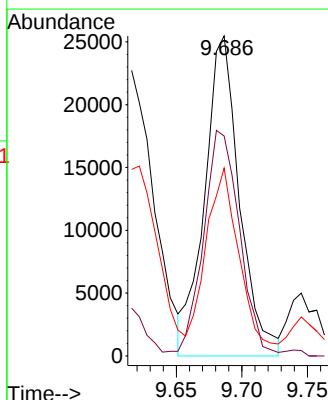
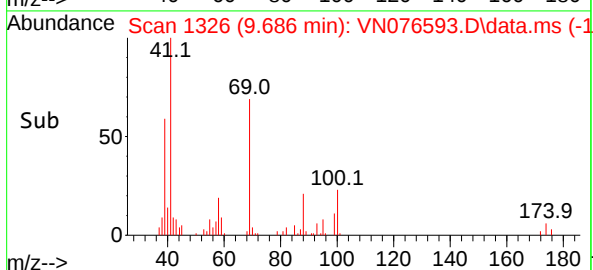
Reviewed By :John Carlone 02/10/2023
Supervised By :Semsettin Yesilyurt 02/10/2023

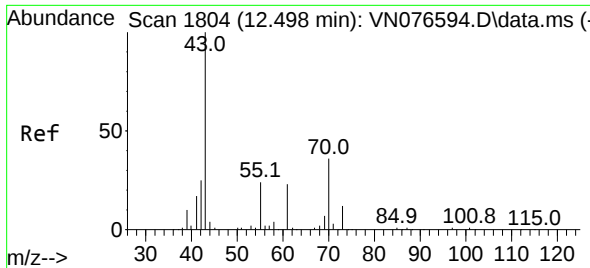


#46
Methyl methacrylate
Concen: 10.918 ug/l
RT: 9.686 min Scan# 1326
Delta R.T. -0.002 min
Lab File: VN076593.D
Acq: 09 Feb 2023 17:26



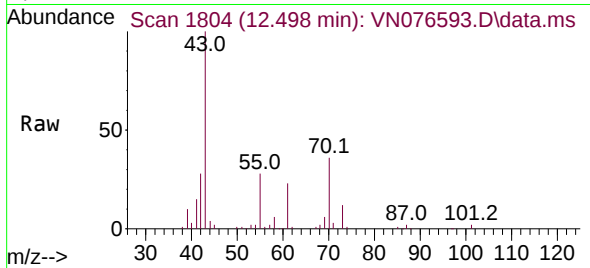
Tgt Ion: 41 Resp: 47243
Ion Ratio Lower Upper
41 100
69 71.5 45.6 136.7
39 56.0 32.3 96.9





#47
n-amy1 Acetate
Concen: 10.346 ug/l
RT: 12.498 min Scan# 1804
Delta R.T. -0.002 min
Lab File: VN076593.D
Acq: 09 Feb 2023 17:26

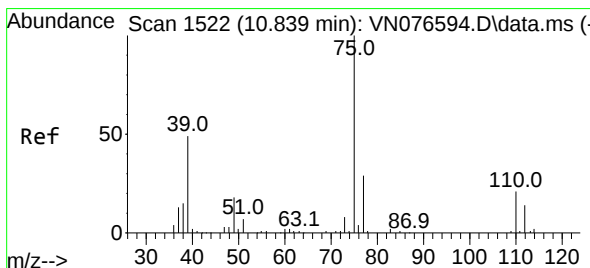
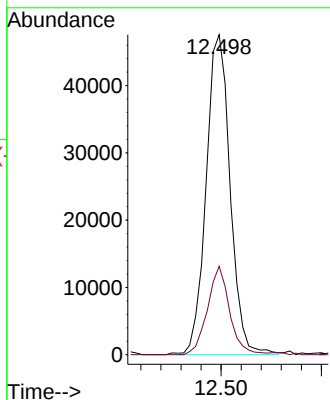
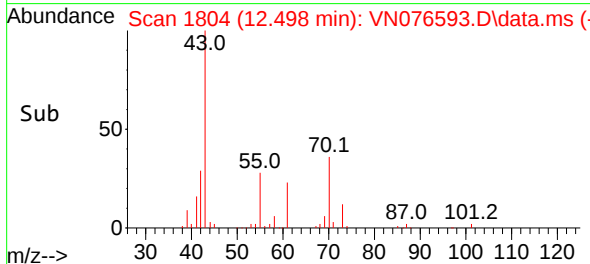
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC010



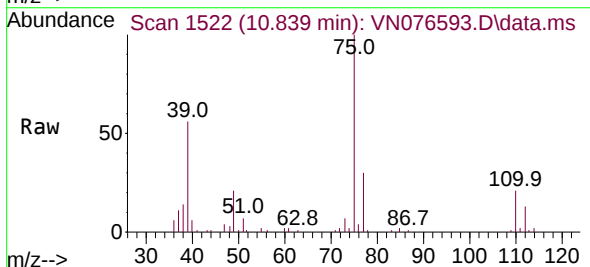
Tgt Ion: 43 Resp: 7892
Ion Ratio Lower Upper
43 100
55 25.4 16.8 25.2

Manual Integrations
APPROVED

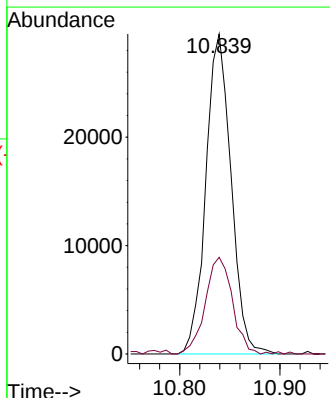
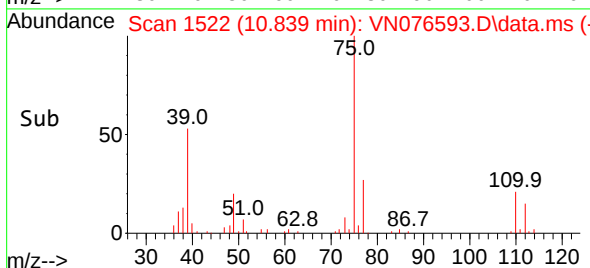
Reviewed By :John Carlone 02/10/2023
Supervised By :Semsettin Yesilyurt 02/10/2023

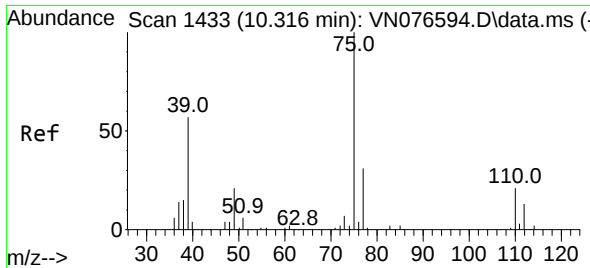


#48
t-1,3-Dichloropropene
Concen: 10.176 ug/l
RT: 10.839 min Scan# 1522
Delta R.T. -0.002 min
Lab File: VN076593.D
Acq: 09 Feb 2023 17:26



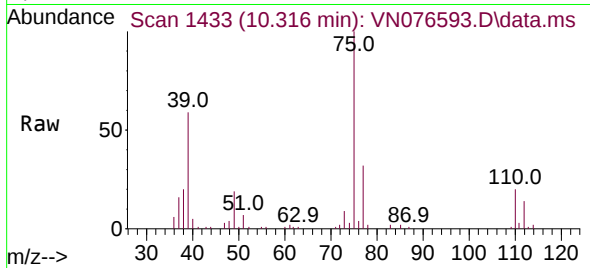
Tgt Ion: 75 Resp: 51504
Ion Ratio Lower Upper
75 100
77 30.2 25.8 38.8





#49
 cis-1,3-Dichloropropene
 Concen: 10.522 ug/l
 RT: 10.316 min Scan# 1433
 Delta R.T. -0.002 min
 Lab File: VN076593.D
 Acq: 09 Feb 2023 17:26

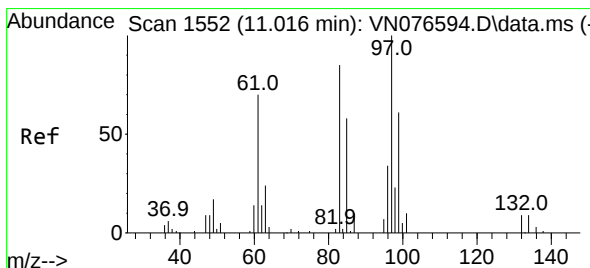
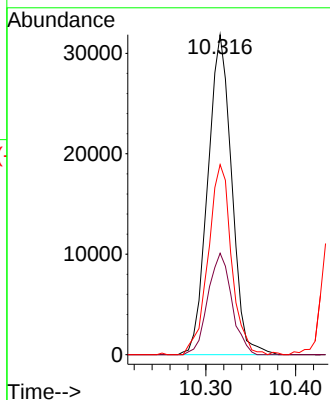
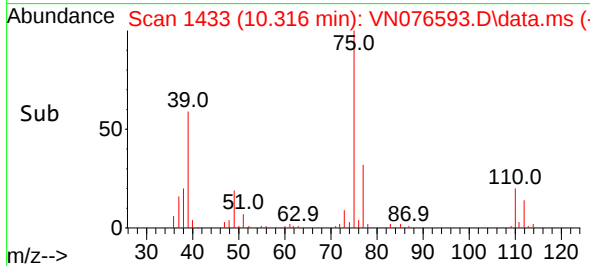
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC010



Tgt Ion: 75 Resp: 58870
 Ion Ratio Lower Upper
 75 100
 77 31.7 22.5 33.7
 39 59.4 37.6 56.4

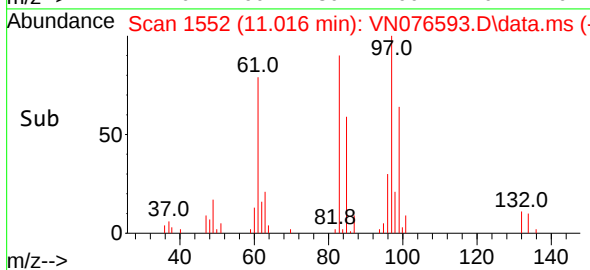
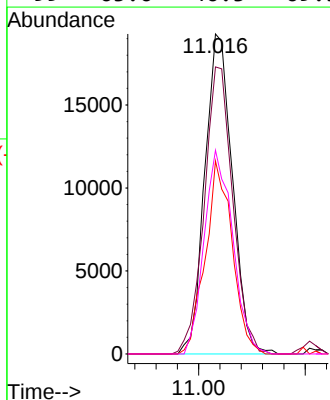
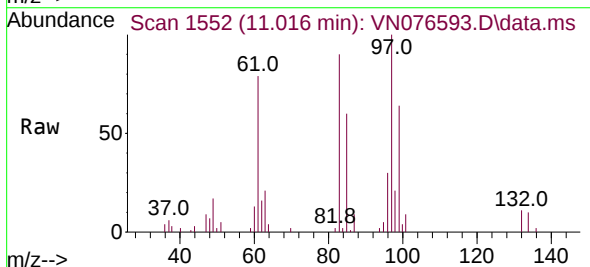
Manual Integrations
 APPROVED

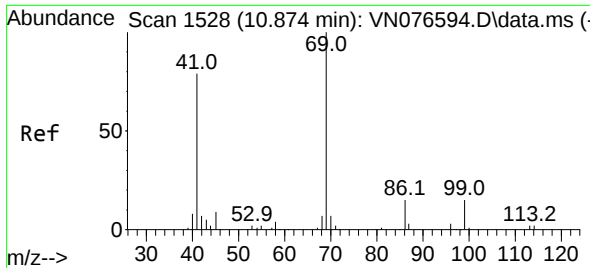
Reviewed By :John Carbone 02/10/2023
 Supervised By :Semsettin Yesilyurt 02/10/2023



#50
 1,1,2-Trichloroethane
 Concen: 10.679 ug/l
 RT: 11.016 min Scan# 1552
 Delta R.T. -0.002 min
 Lab File: VN076593.D
 Acq: 09 Feb 2023 17:26

Tgt Ion: 97 Resp: 34680
 Ion Ratio Lower Upper
 97 100
 83 89.7 69.2 103.8
 85 60.3 41.4 62.2
 99 63.6 46.3 69.5





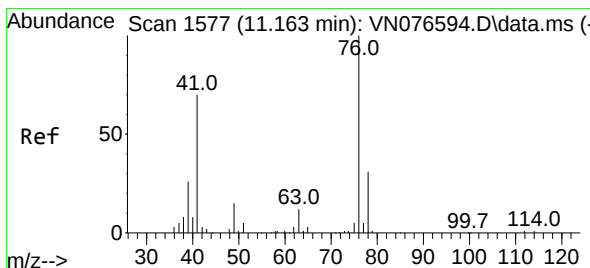
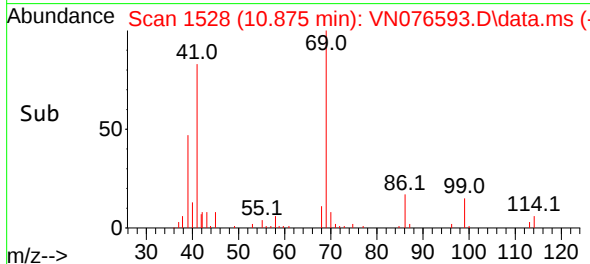
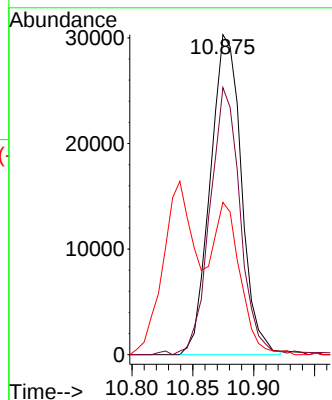
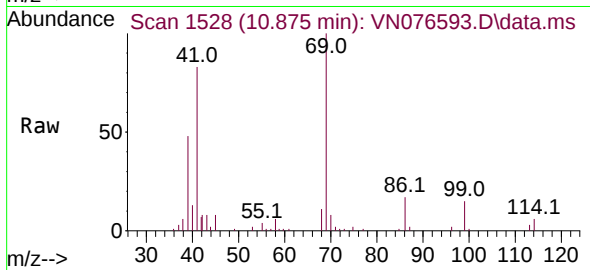
#51
Ethyl methacrylate
Concen: 10.445 ug/l
RT: 10.875 min Scan# 1528
Delta R.T. -0.002 min
Lab File: VN076593.D
Acq: 09 Feb 2023 17:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 69 Resp: 5385
Ion Ratio Lower Upper
69 100
41 82.4 32.5 97.5
39 46.6 21.5 64.5

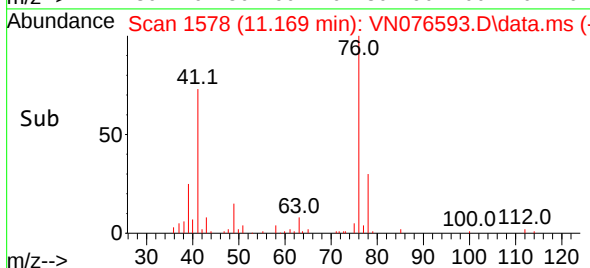
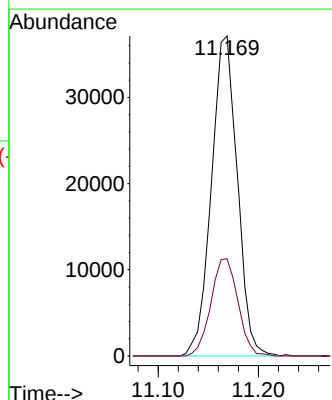
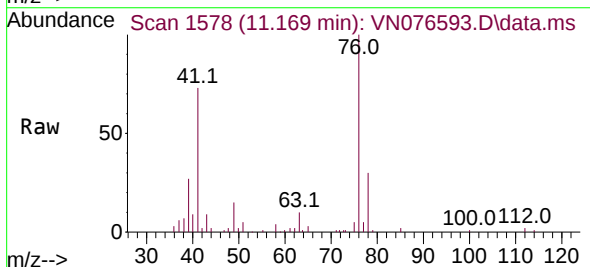
Manual Integrations
APPROVED

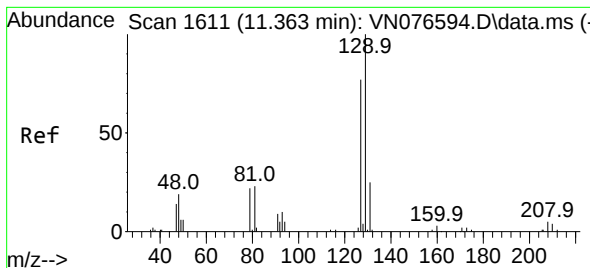
Reviewed By :John Carlone 02/10/2023
Supervised By :Semsettin Yesilyurt 02/10/2023



#52
1,3-Dichloropropane
Concen: 11.022 ug/l
RT: 11.169 min Scan# 1578
Delta R.T. 0.004 min
Lab File: VN076593.D
Acq: 09 Feb 2023 17:26

Tgt Ion: 76 Resp: 66722
Ion Ratio Lower Upper
76 100
78 31.6 0.0 63.8





#53

Dibromochloromethane

Concen: 10.713 ug/l

RT: 11.363 min Scan# 1611

Delta R.T. -0.002 min

Lab File: VN076593.D

Acq: 09 Feb 2023 17:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

Tgt Ion:129 Resp: 36150

Ion Ratio Lower Upper

129 100

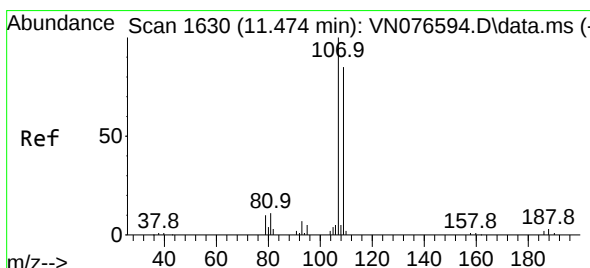
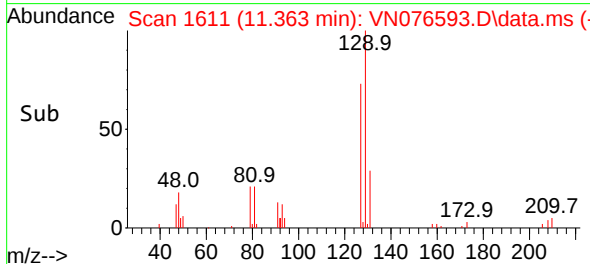
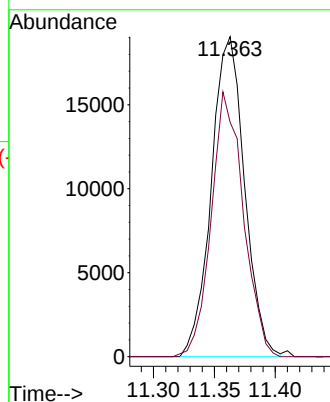
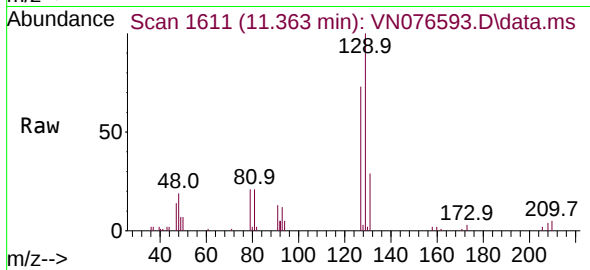
127 79.7 40.6 121.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/10/2023

Supervised By :Semsettin Yesilyurt 02/10/2023



#54

1,2-Dibromoethane

Concen: 11.144 ug/l

RT: 11.469 min Scan# 1629

Delta R.T. -0.002 min

Lab File: VN076593.D

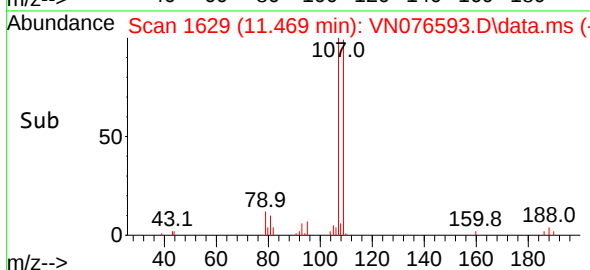
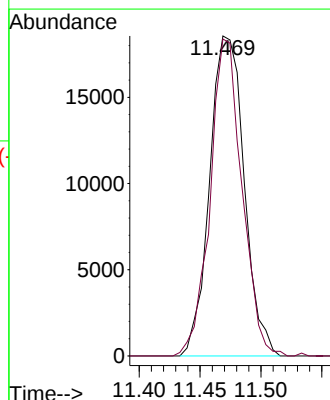
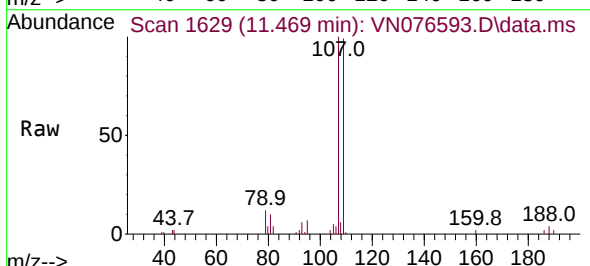
Acq: 09 Feb 2023 17:26

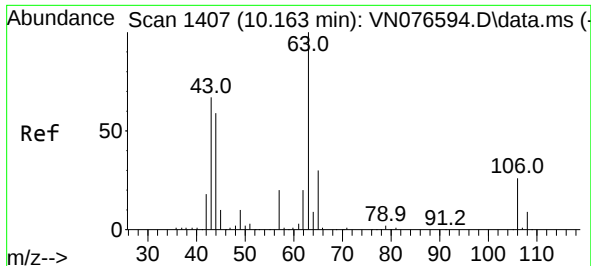
Tgt Ion:107 Resp: 36620

Ion Ratio Lower Upper

107 100

109 91.3 76.2 114.2





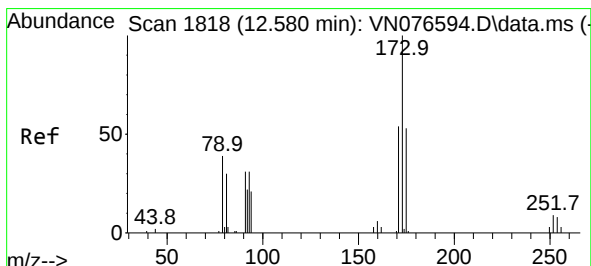
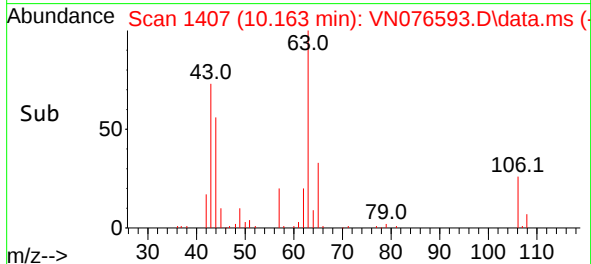
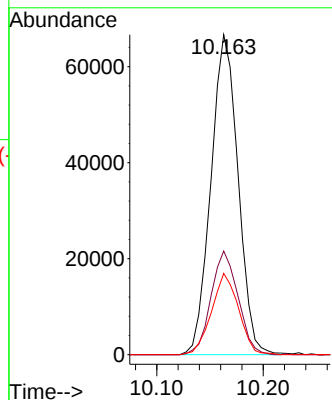
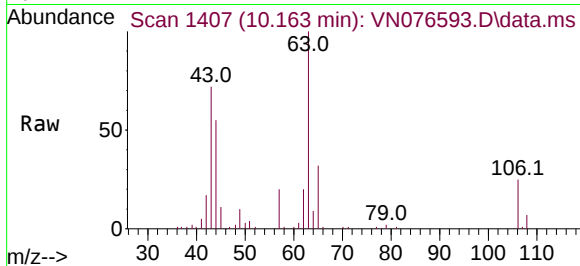
#55
2-Chloroethyl vinyl ether
Concen: 50.092 ug/l
RT: 10.163 min Scan# 1407
Delta R.T. -0.002 min
Lab File: VN076593.D
Acq: 09 Feb 2023 17:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC010

Tgt Ion: 63 Resp: 117984
Ion Ratio Lower Upper
63 100
65 32.2 24.6 36.8
106 25.4 21.3 31.9

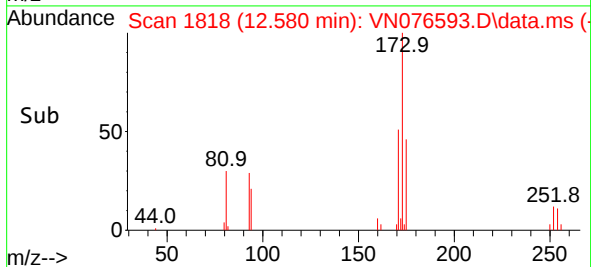
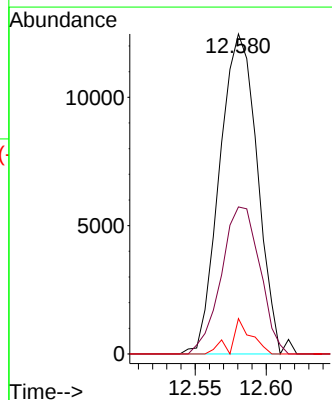
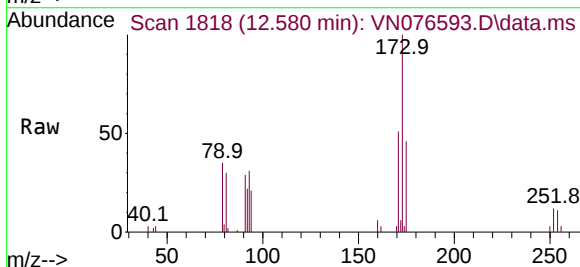
Manual Integrations
APPROVED

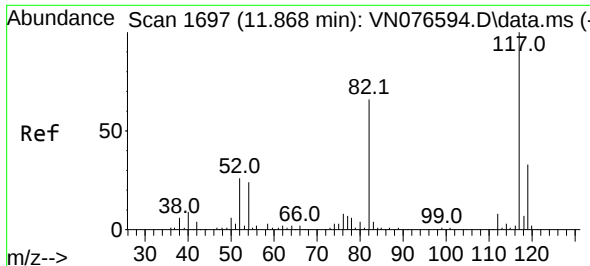
Reviewed By :John Carlone 02/10/2023
Supervised By :Semsettin Yesilyurt 02/10/2023



#56
Bromoform
Concen: 10.543 ug/l
RT: 12.580 min Scan# 1818
Delta R.T. 0.004 min
Lab File: VN076593.D
Acq: 09 Feb 2023 17:26

Tgt Ion:173 Resp: 22914
Ion Ratio Lower Upper
173 100
175 47.4 39.1 58.7
254 4.7 7.0 10.6#





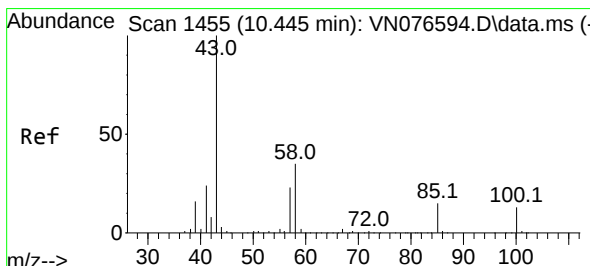
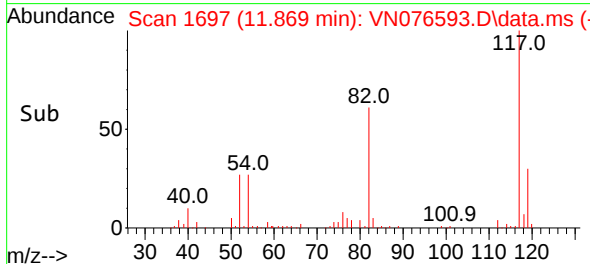
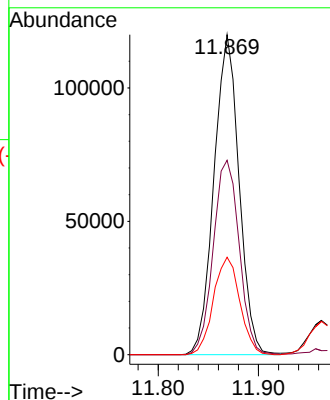
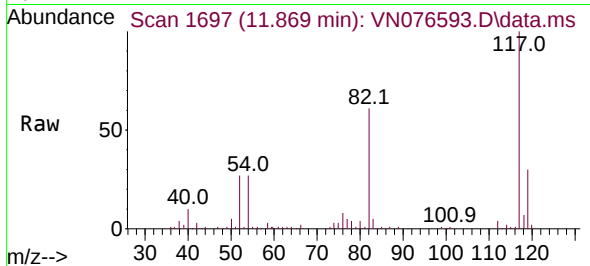
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.869 min Scan# 1697
Delta R.T. -0.002 min
Lab File: VN076593.D
Acq: 09 Feb 2023 17:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion:117 Resp: 208299
Ion Ratio Lower Upper
117 100
82 62.9 44.6 67.0
119 32.0 25.6 38.4

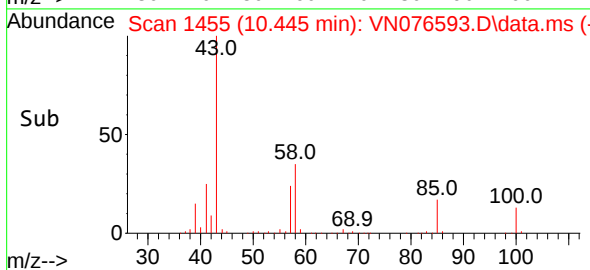
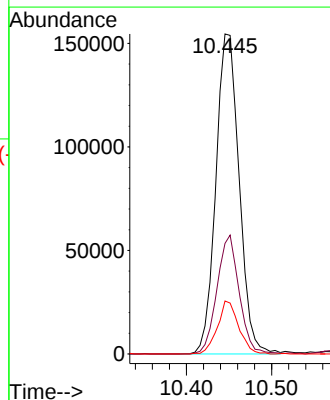
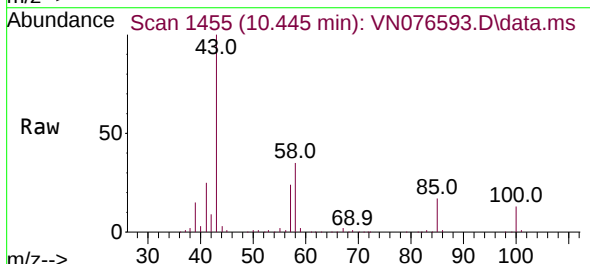
Manual Integrations
APPROVED

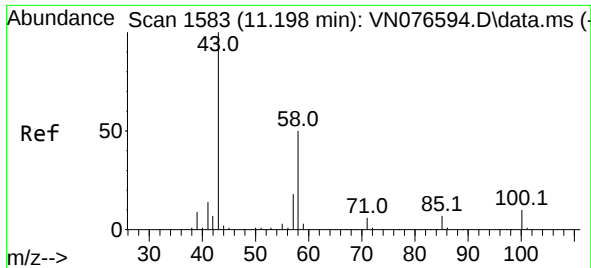
Reviewed By :John Carlone 02/10/2023
Supervised By :Semsettin Yesilyurt 02/10/2023



#58
4-Methyl-2-Pentanone
Concen: 50.485 ug/l
RT: 10.445 min Scan# 1455
Delta R.T. -0.002 min
Lab File: VN076593.D
Acq: 09 Feb 2023 17:26

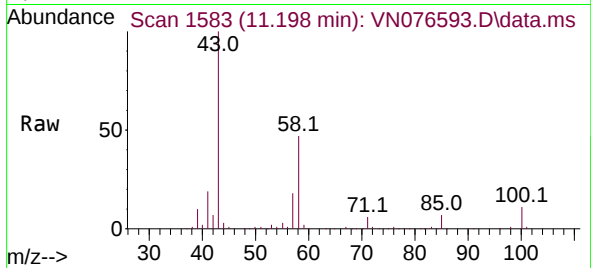
Tgt Ion: 43 Resp: 293969
Ion Ratio Lower Upper
43 100
58 35.4 30.8 46.2
85 15.1 13.3 19.9





#59
2-Hexanone
Concen: 49.561 ug/l
RT: 11.198 min Scan# 1583
Delta R.T. -0.002 min
Lab File: VN076593.D
Acq: 09 Feb 2023 17:26

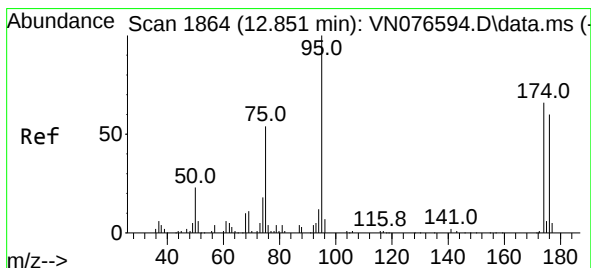
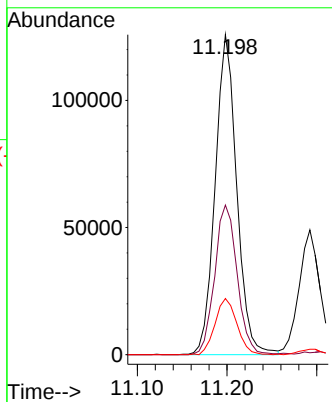
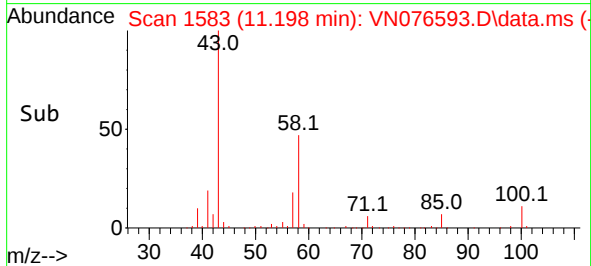
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC010



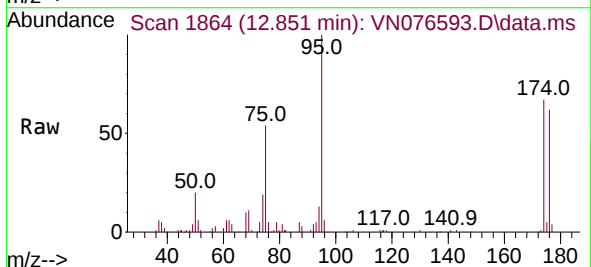
Tgt Ion: 43 Resp: 20983
Ion Ratio Lower Upper
43 100
58 48.7 43.6 65.4
57 17.8 14.3 21.5

Manual Integrations
APPROVED

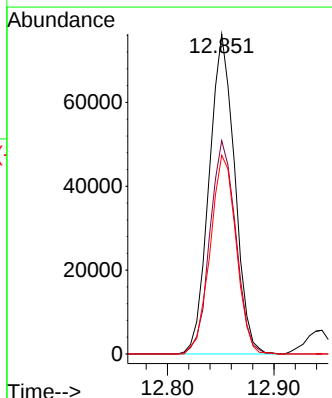
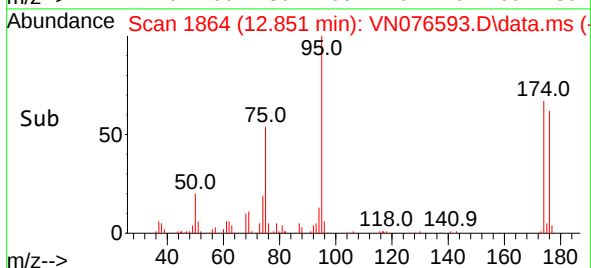
Reviewed By :John Carlone 02/10/2023
Supervised By :Semsettin Yesilyurt 02/10/2023

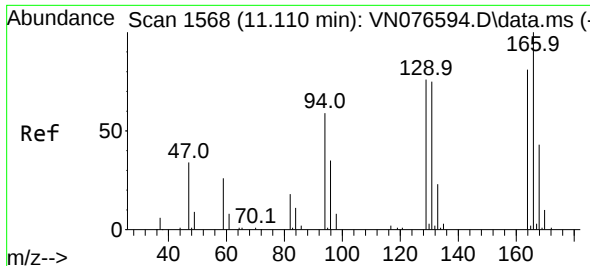


#60
4-Bromofluorobenzene
Concen: 27.019 ug/l
RT: 12.851 min Scan# 1864
Delta R.T. -0.002 min
Lab File: VN076593.D
Acq: 09 Feb 2023 17:26



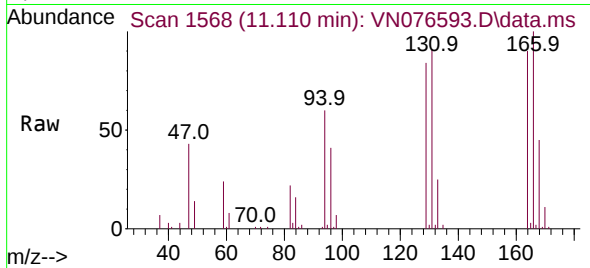
Tgt Ion: 95 Resp: 127057
Ion Ratio Lower Upper
95 100
174 67.4 57.8 86.8
176 62.8 57.0 85.4





#61
Tetrachloroethene
Concen: 10.844 ug/l
RT: 11.110 min Scan# 1568
Delta R.T. 0.004 min
Lab File: VN076593.D
Acq: 09 Feb 2023 17:26

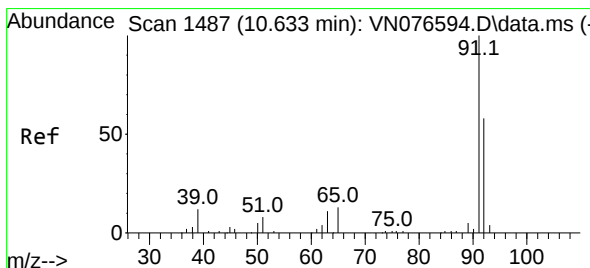
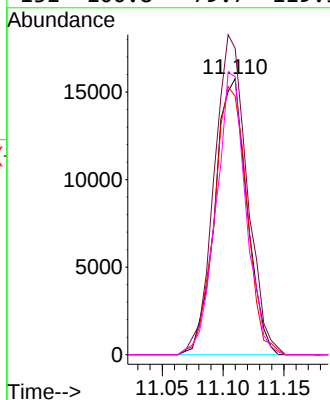
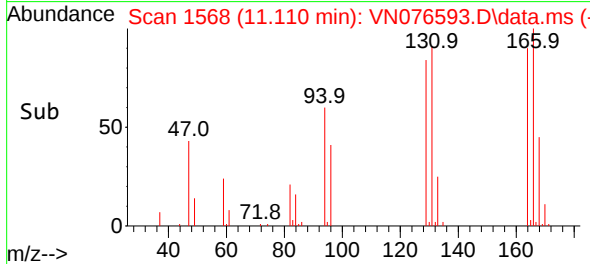
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC010



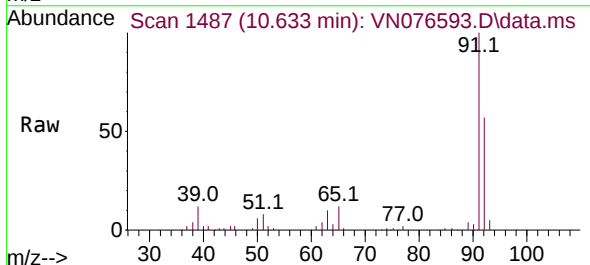
Tgt Ion:164 Resp: 28874
Ion Ratio Lower Upper
164 100
166 111.0 99.6 149.4
129 93.5 84.0 126.0
131 100.8 79.7 119.5

Manual Integrations
APPROVED

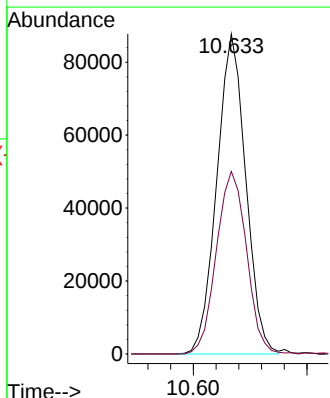
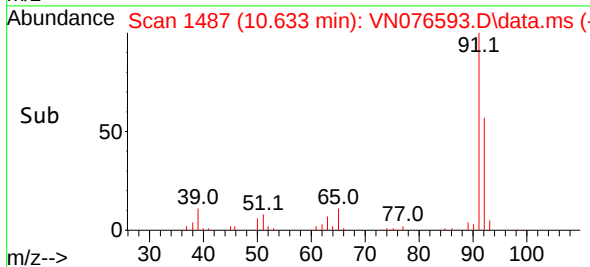
Reviewed By :John Carlone 02/10/2023
Supervised By :Semsettin Yesilyurt 02/10/2023

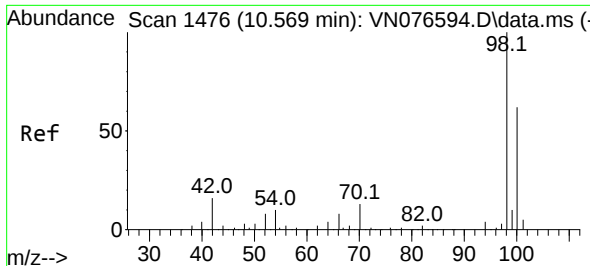


#62
Toluene
Concen: 10.057 ug/l
RT: 10.633 min Scan# 1487
Delta R.T. -0.002 min
Lab File: VN076593.D
Acq: 09 Feb 2023 17:26



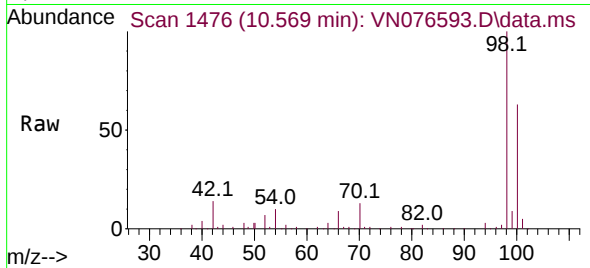
Tgt Ion: 91 Resp: 155320
Ion Ratio Lower Upper
91 100
92 59.3 46.0 69.0





#63
Toluene-d8
Concen: 30.037 ug/l
RT: 10.569 min Scan# 1476
Delta R.T. -0.002 min
Lab File: VN076593.D
Acq: 09 Feb 2023 17:26

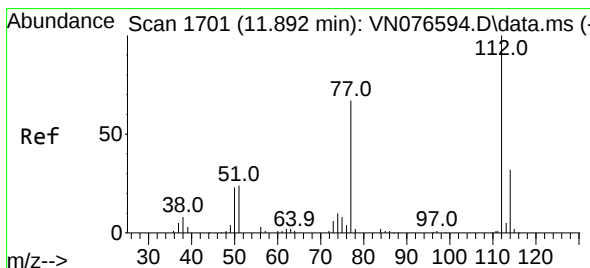
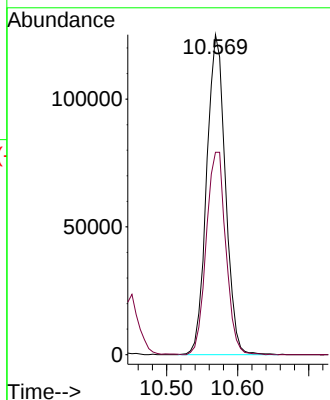
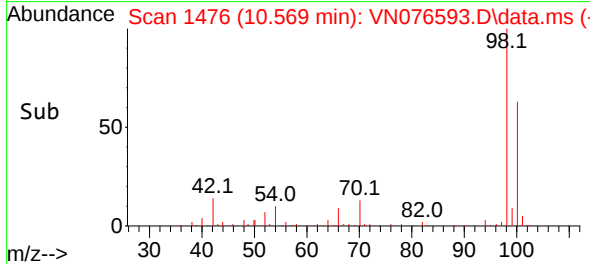
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC010



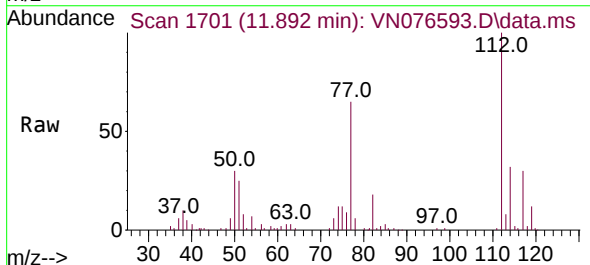
Tgt Ion: 98 Resp: 229735
Ion Ratio Lower Upper
98 100
100 66.0 52.7 79.1

Manual Integrations
APPROVED

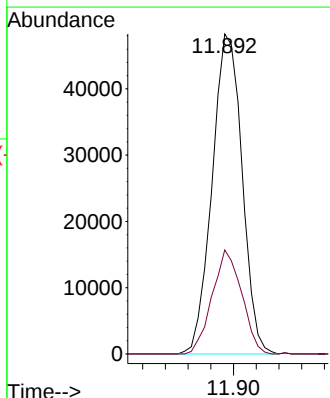
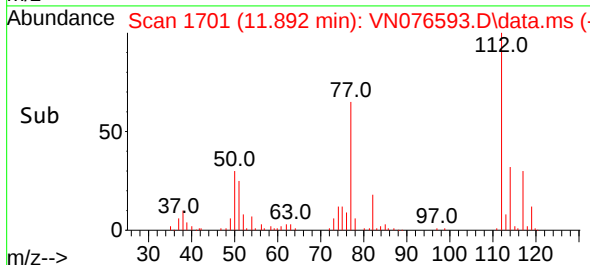
Reviewed By :John Carlone 02/10/2023
Supervised By :Semsettin Yesilyurt 02/10/2023

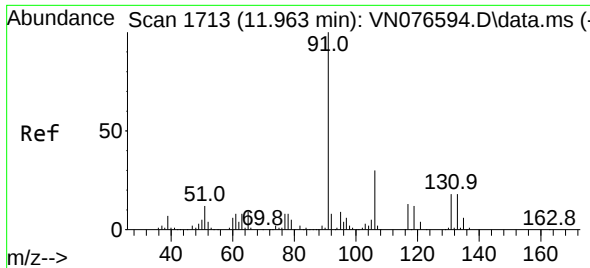


#64
Chlorobenzene
Concen: 9.884 ug/l
RT: 11.892 min Scan# 1701
Delta R.T. -0.002 min
Lab File: VN076593.D
Acq: 09 Feb 2023 17:26



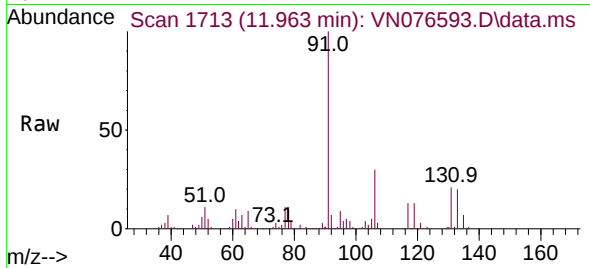
Tgt Ion:112 Resp: 88427
Ion Ratio Lower Upper
112 100
114 32.5 24.7 37.1





#65
1,1,1,2-Tetrachloroethane
Concen: 10.947 ug/l
RT: 11.963 min Scan# 1713
Delta R.T. -0.002 min
Lab File: VN076593.D
Acq: 09 Feb 2023 17:26

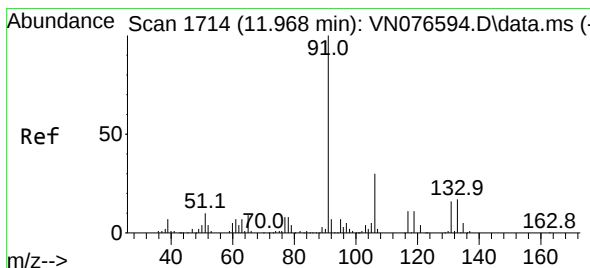
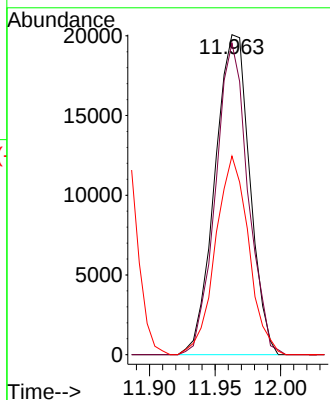
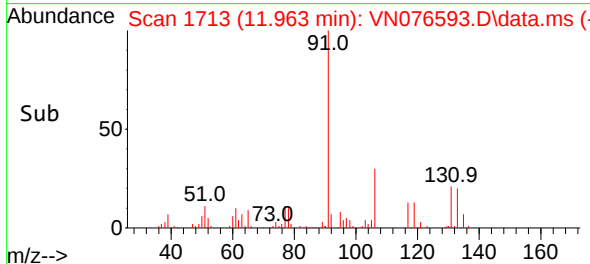
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC010



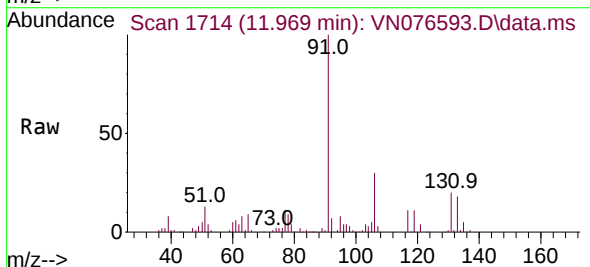
Tgt Ion:131 Resp: 37130
Ion Ratio Lower Upper
131 100
133 90.6 0.0 191.8
119 59.1 0.0 135.8

Manual Integrations
APPROVED

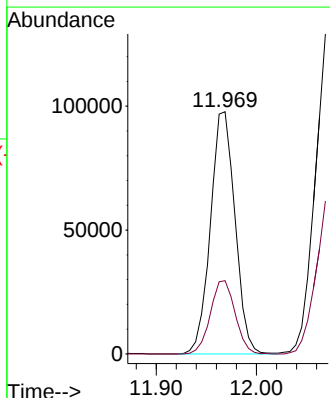
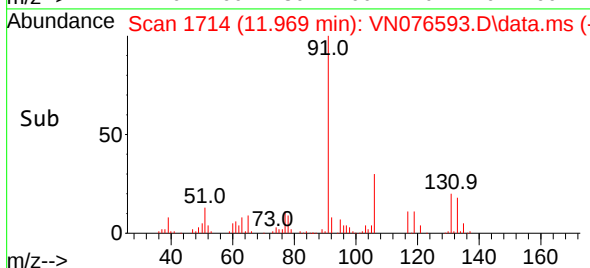
Reviewed By :John Carlone 02/10/2023
Supervised By :Semsettin Yesilyurt 02/10/2023

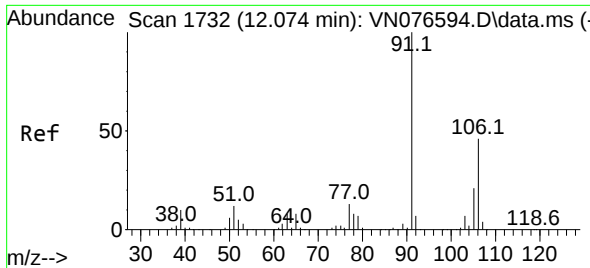


#66
Ethyl Benzene
Concen: 9.849 ug/l
RT: 11.969 min Scan# 1714
Delta R.T. 0.004 min
Lab File: VN076593.D
Acq: 09 Feb 2023 17:26



Tgt Ion: 91 Resp: 166750
Ion Ratio Lower Upper
91 100
106 30.3 24.1 36.1





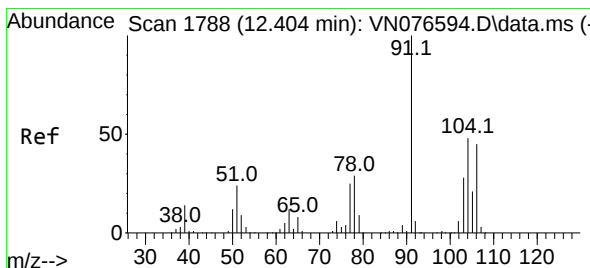
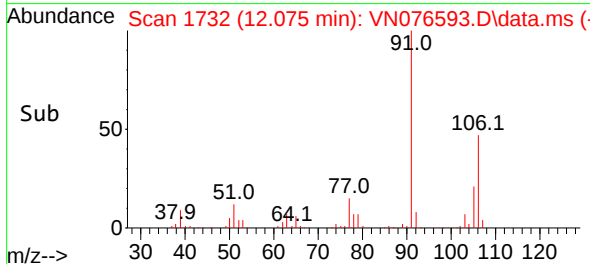
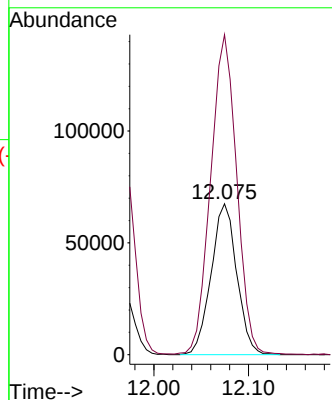
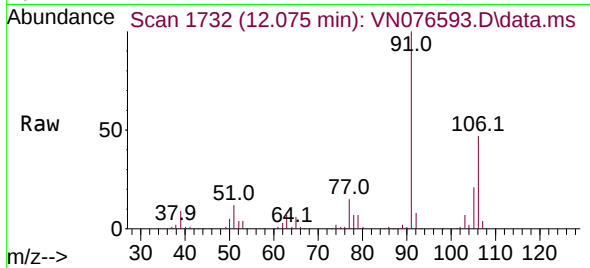
#67
m/p-Xylenes
Concen: 20.000 ug/l
RT: 12.075 min Scan# 1732
Delta R.T. -0.001 min
Lab File: VN076593.D
Acq: 09 Feb 2023 17:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC010

Tgt Ion:106 Resp: 127049
Ion Ratio Lower Upper
106 100
91 215.7 164.2 246.4

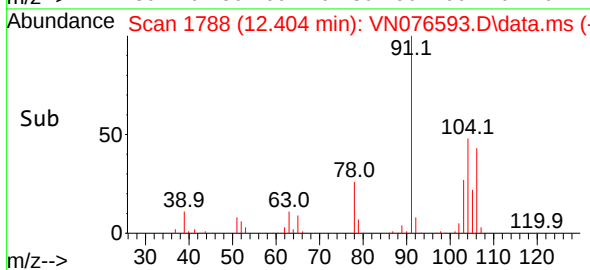
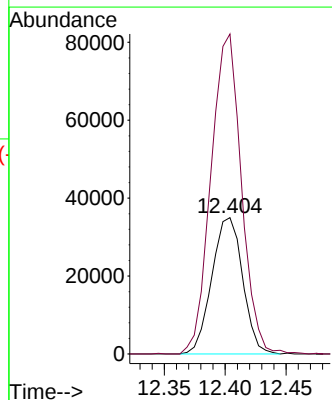
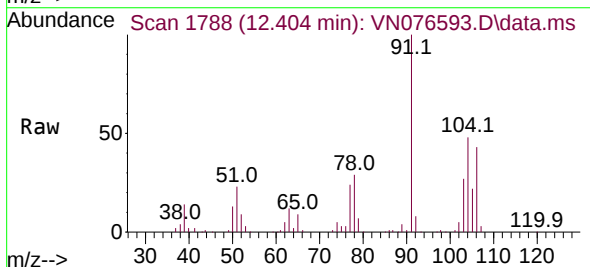
Manual Integrations
APPROVED

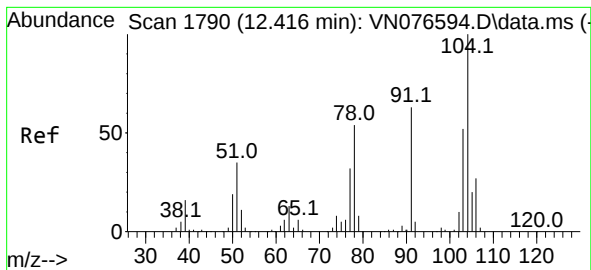
Reviewed By :John Carlone 02/10/2023
Supervised By :Semsettin Yesilyurt 02/10/2023



#68
o-Xylene
Concen: 9.852 ug/l
RT: 12.404 min Scan# 1788
Delta R.T. 0.004 min
Lab File: VN076593.D
Acq: 09 Feb 2023 17:26

Tgt Ion:106 Resp: 61653
Ion Ratio Lower Upper
106 100
91 230.4 108.5 325.5





#69

Styrene

Concen: 10.024 ug/l

RT: 12.416 min Scan# 11

Delta R.T. 0.004 min

Lab File: VN076593.D

Acq: 09 Feb 2023 17:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC010

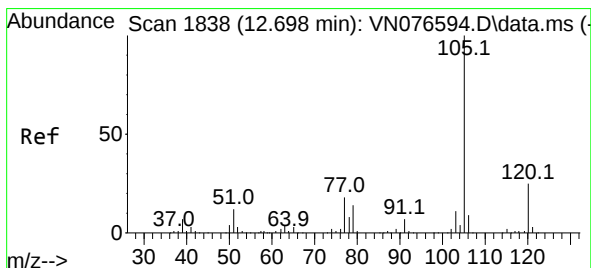
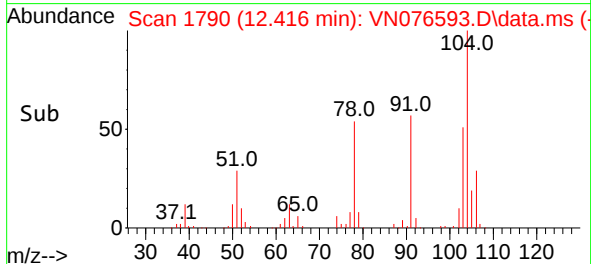
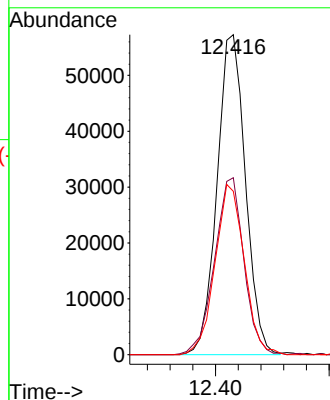
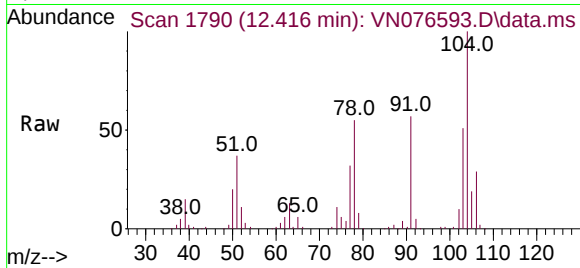
Tgt Ion:104 Resp: 99568
 Ion Ratio Lower Upper
 104 100
 78 57.0 39.9 59.9
 103 54.6 43.8 65.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/10/2023

Supervised By :Semsettin Yesilyurt 02/10/2023



#70

Isopropylbenzene

Concen: 9.582 ug/l

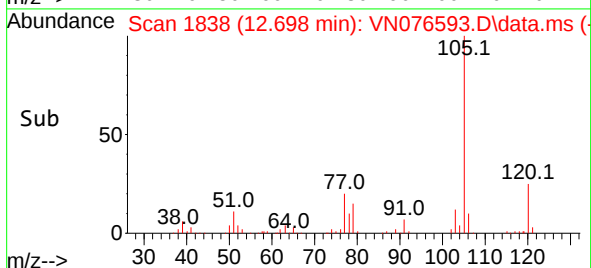
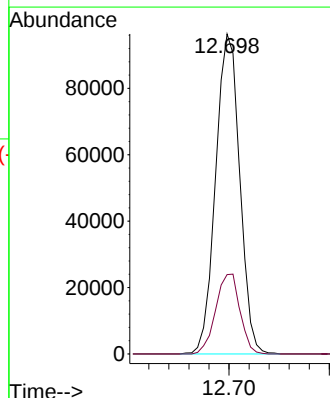
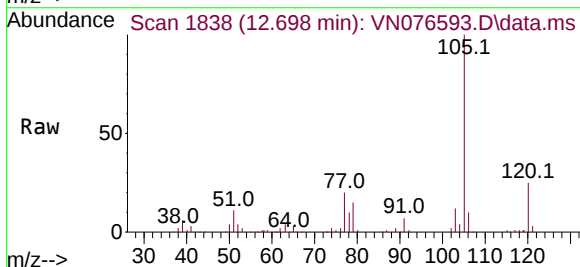
RT: 12.698 min Scan# 1838

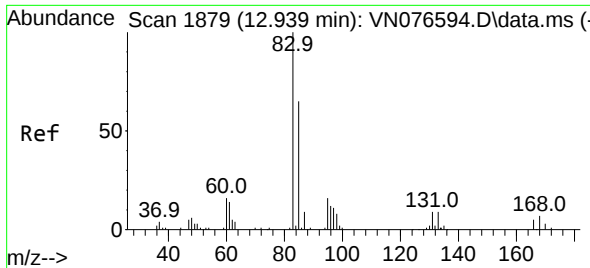
Delta R.T. -0.002 min

Lab File: VN076593.D

Acq: 09 Feb 2023 17:26

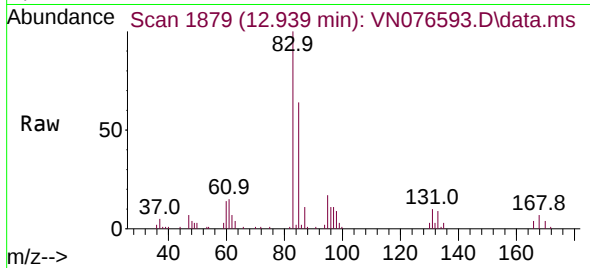
Tgt Ion:105 Resp: 160701
 Ion Ratio Lower Upper
 105 100
 120 25.1 18.5 34.3





#71
1,1,2,2-Tetrachloroethane
Concen: 8.848 ug/l
RT: 12.939 min Scan# 1879
Delta R.T. -0.002 min
Lab File: VN076593.D
Acq: 09 Feb 2023 17:26

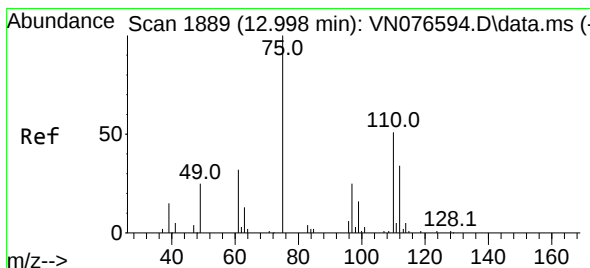
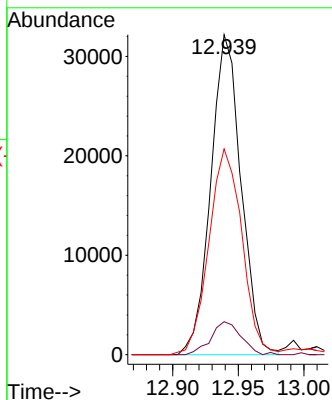
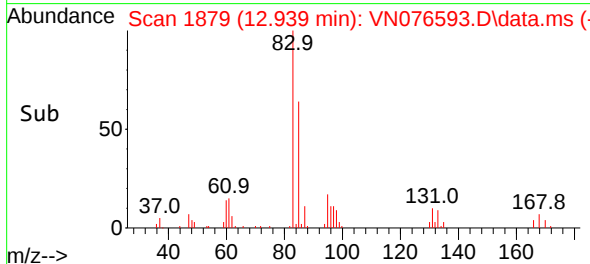
Instrument : MSVOA_N
ClientSampleId : VSTDIC010



Tgt Ion: 83 Resp: 51734
Ion Ratio Lower Upper
83 100
131 10.1 4.5 13.5
85 70.0 30.9 92.7

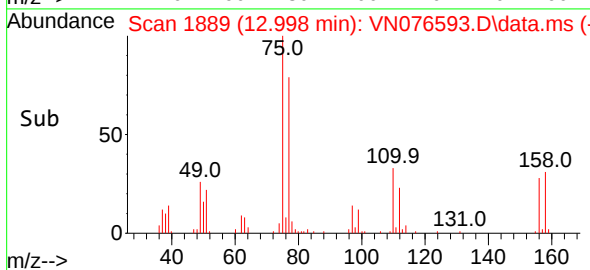
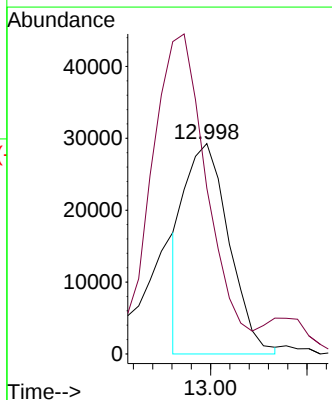
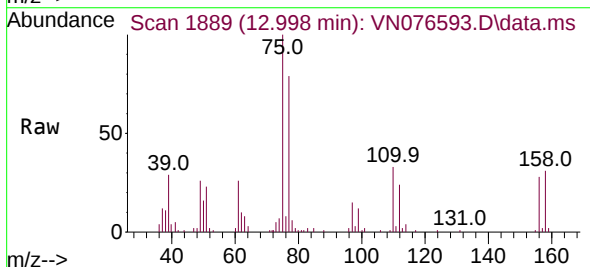
Manual Integrations
APPROVED

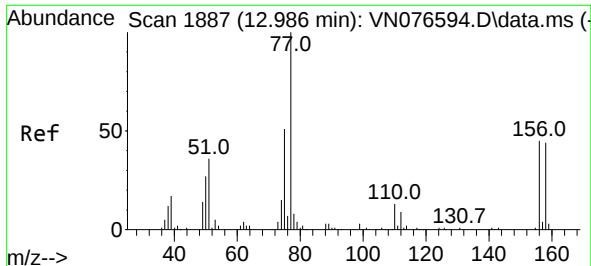
Reviewed By :John Carlone 02/10/2023
Supervised By :Semsettin Yesilyurt 02/10/2023



#72
1,2,3-Trichloropropane
Concen: 8.857 ug/l m
RT: 12.998 min Scan# 1889
Delta R.T. 0.004 min
Lab File: VN076593.D
Acq: 09 Feb 2023 17:26

Tgt Ion: 75 Resp: 47159
Ion Ratio Lower Upper
75 100
77 191.0 0.0 372.4





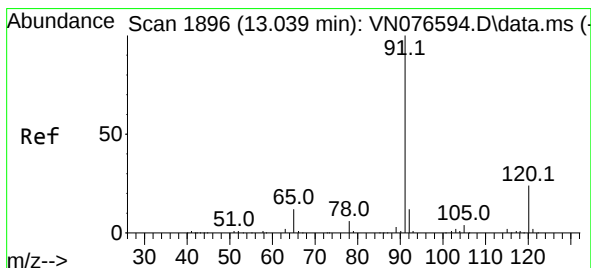
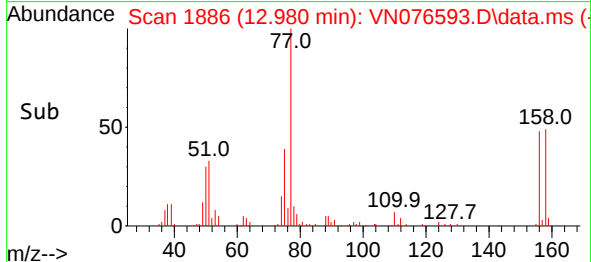
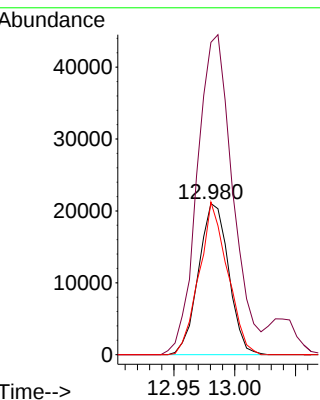
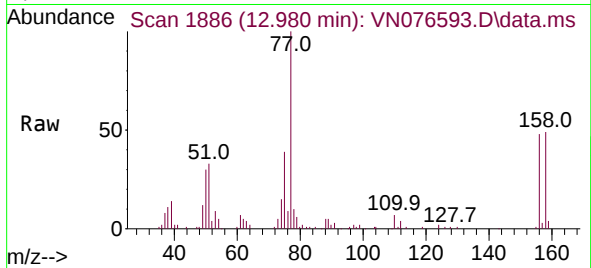
#73
Bromobenzene
Concen: 9.070 ug/l
RT: 12.980 min Scan# 1886
Delta R.T. -0.002 min
Lab File: VN076593.D
Acq: 09 Feb 2023 17:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC010

Tgt Ion:156 Resp: 3609
Ion Ratio Lower Upper
156 100
77 249.5 0.0 491.8
158 95.5 0.0 185.0

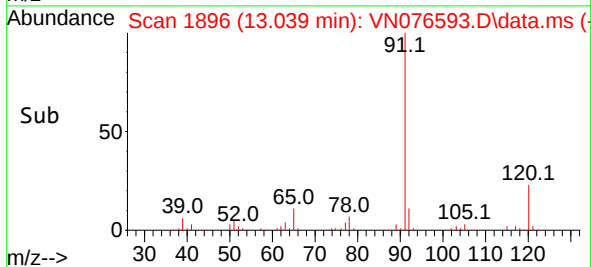
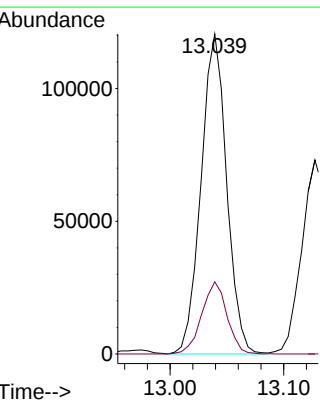
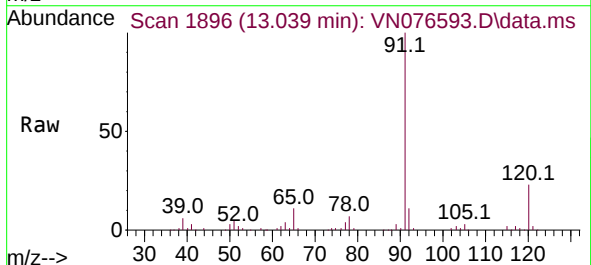
Manual Integrations
APPROVED

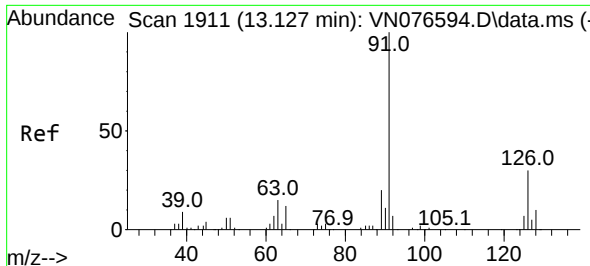
Reviewed By :John Carlone 02/10/2023
Supervised By :Semsettin Yesilyurt 02/10/2023



#74
n-propylbenzene
Concen: 8.792 ug/l
RT: 13.039 min Scan# 1896
Delta R.T. -0.002 min
Lab File: VN076593.D
Acq: 09 Feb 2023 17:26

Tgt Ion: 91 Resp: 189118
Ion Ratio Lower Upper
91 100
120 22.1 0.0 44.6





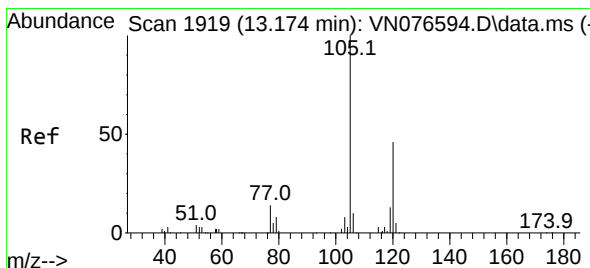
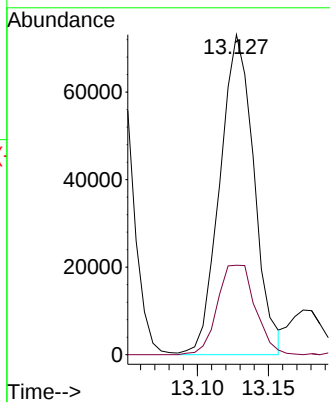
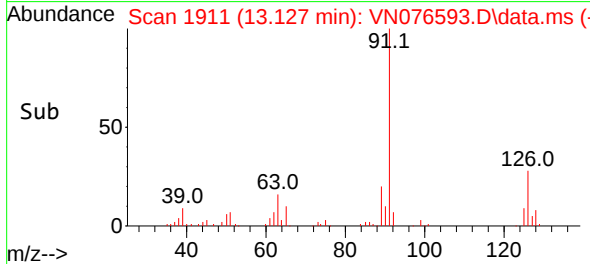
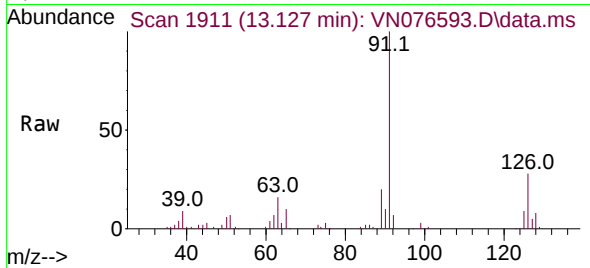
#75
2-Chlorotoluene
Concen: 9.050 ug/l
RT: 13.127 min Scan# 1911
Delta R.T. -0.002 min
Lab File: VN076593.D
Acq: 09 Feb 2023 17:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC010

Tgt Ion: 91 Resp: 122449
Ion Ratio Lower Upper
91 100
126 30.9 0.0 66.2

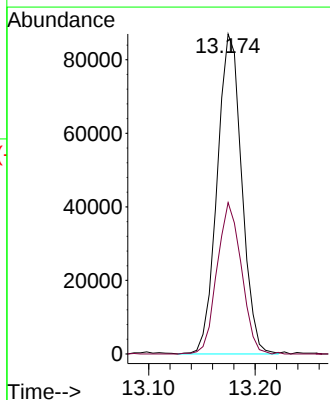
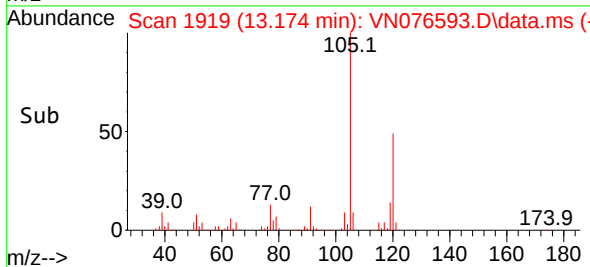
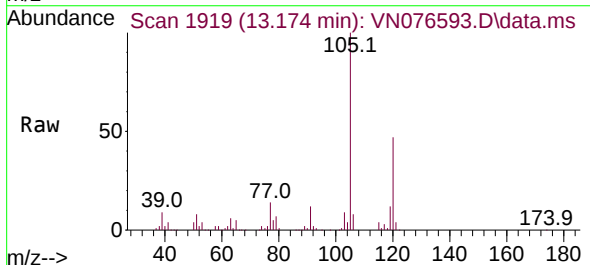
Manual Integrations
APPROVED

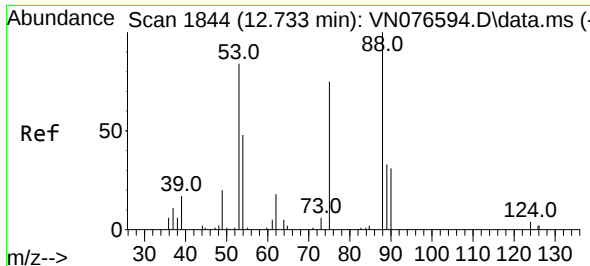
Reviewed By :John Carlone 02/10/2023
Supervised By :Semsettin Yesilyurt 02/10/2023



#76
1,3,5-Trimethylbenzene
Concen: 8.893 ug/l
RT: 13.174 min Scan# 1919
Delta R.T. -0.002 min
Lab File: VN076593.D
Acq: 09 Feb 2023 17:26

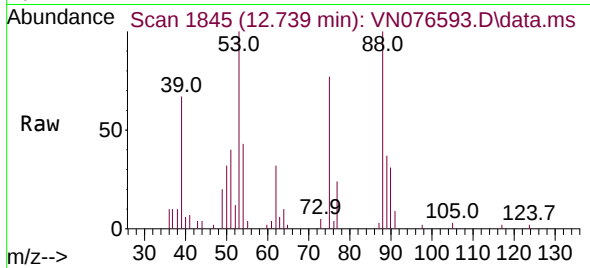
Tgt Ion:105 Resp: 139265
Ion Ratio Lower Upper
105 100
120 46.9 0.0 97.4





#77
t-1,4-Dichloro-2-butene
Concen: 8.892 ug/l
RT: 12.739 min Scan# 1844
Delta R.T. 0.004 min
Lab File: VN076593.D
Acq: 09 Feb 2023 17:26

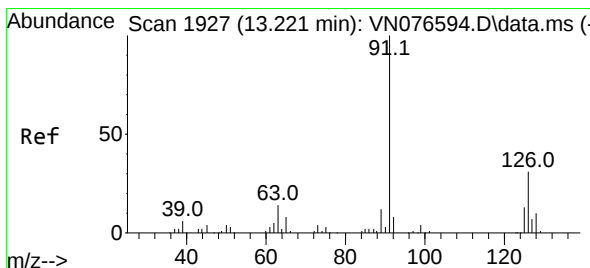
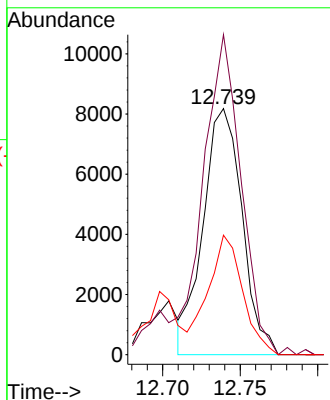
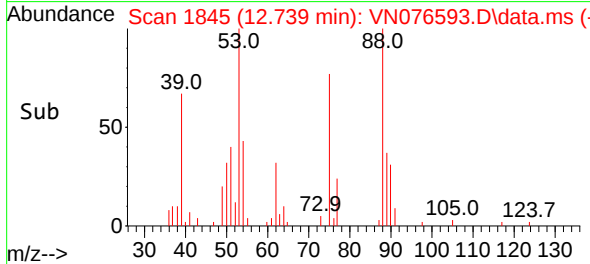
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010



Tgt Ion: 75 Resp: 1432
Ion Ratio Lower Upper
75 100
53 130.0 43.3 129.9
89 48.6 21.1 63.1

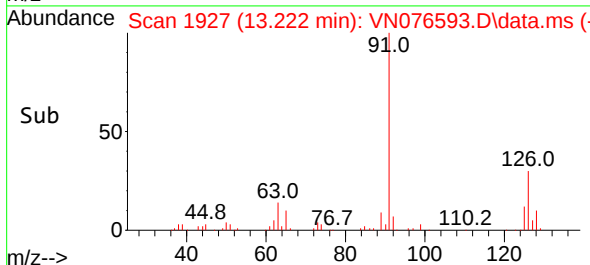
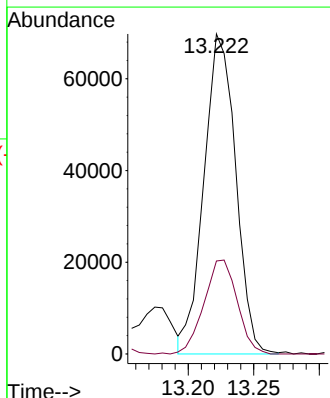
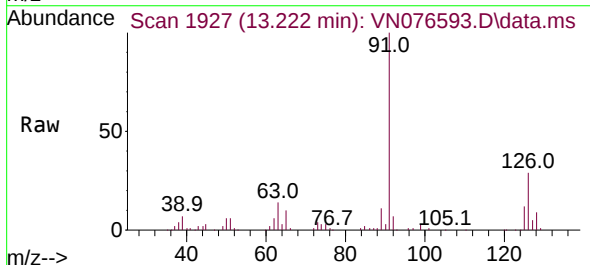
Manual Integrations
APPROVED

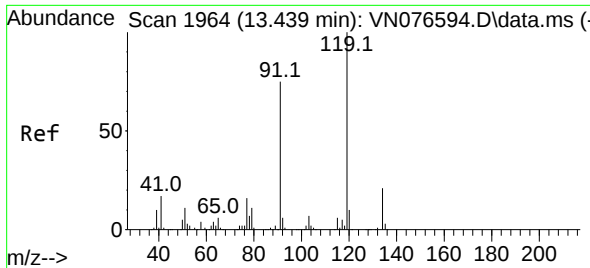
Reviewed By :John Carlone 02/10/2023
Supervised By :Semsettin Yesilyurt 02/10/2023



#78
4-Chlorotoluene
Concen: 8.648 ug/l
RT: 13.222 min Scan# 1927
Delta R.T. -0.001 min
Lab File: VN076593.D
Acq: 09 Feb 2023 17:26

Tgt Ion: 91 Resp: 117653
Ion Ratio Lower Upper
91 100
126 30.6 0.0 67.8





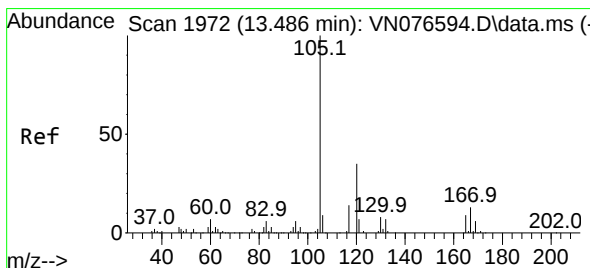
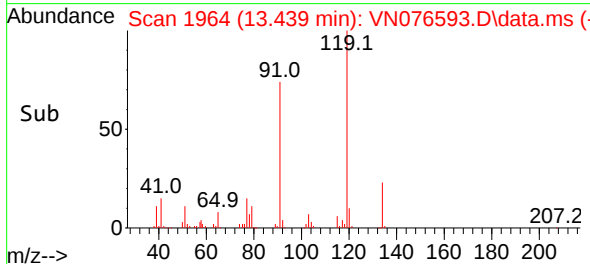
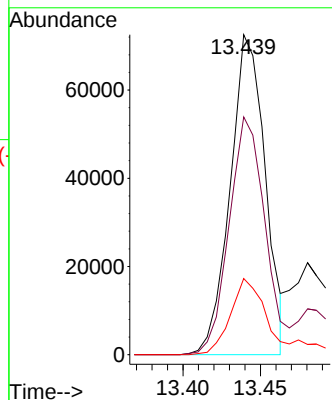
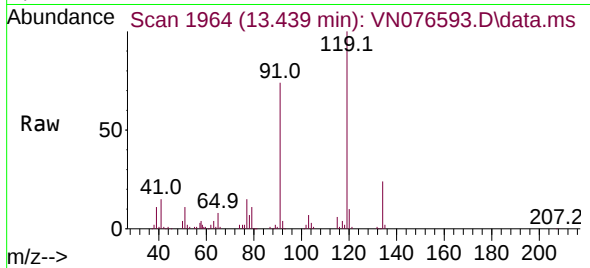
#79
tert-butylbenzene
Concen: 8.595 ug/l
RT: 13.439 min Scan# 1964
Delta R.T. -0.002 min
Lab File: VN076593.D
Acq: 09 Feb 2023 17:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC010

Tgt Ion:119 Resp: 114249
Ion Ratio Lower Upper
119 100
91 76.4 0.0 129.0
134 23.6 0.0 52.2

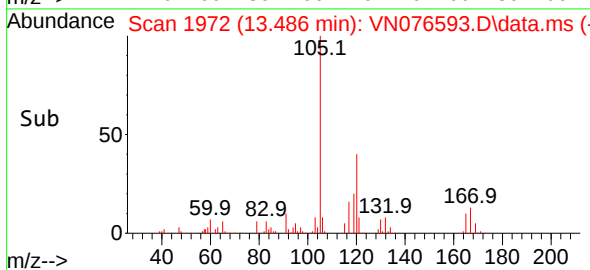
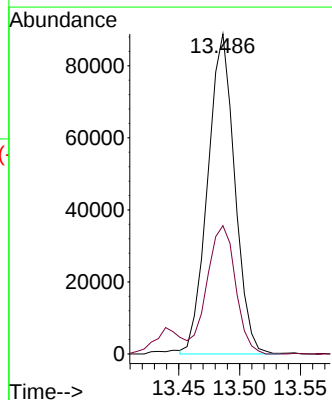
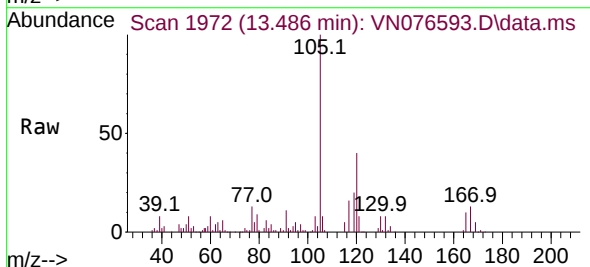
Manual Integrations
APPROVED

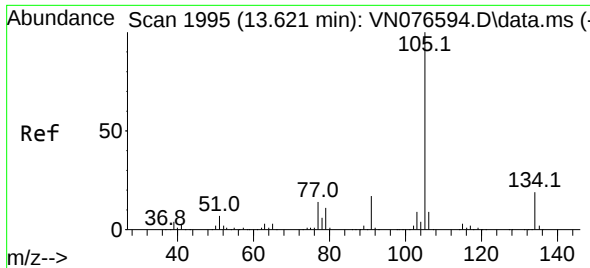
Reviewed By :John Carlone 02/10/2023
Supervised By :Semsettin Yesilyurt 02/10/2023



#80
1,2,4-Trimethylbenzene
Concen: 8.908 ug/l
RT: 13.486 min Scan# 1972
Delta R.T. 0.004 min
Lab File: VN076593.D
Acq: 09 Feb 2023 17:26

Tgt Ion:105 Resp: 137586
Ion Ratio Lower Upper
105 100
120 42.1 0.0 93.2





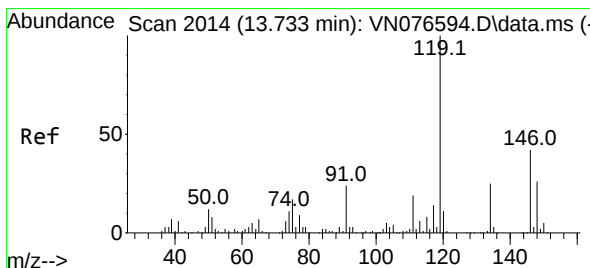
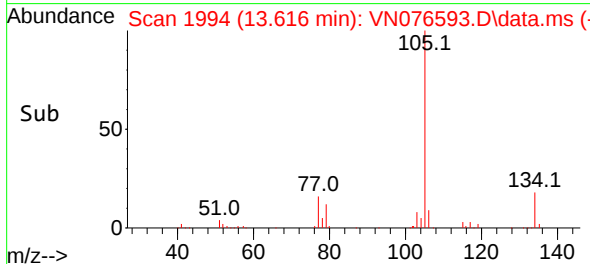
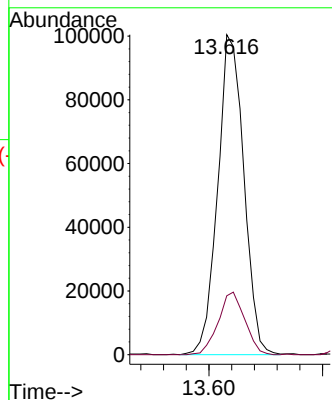
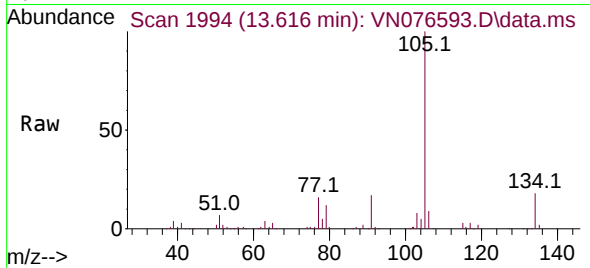
#81
 sec-Butylbenzene
 Concen: 8.630 ug/l
 RT: 13.616 min Scan# 1994
 Delta R.T. -0.002 min
 Lab File: VN076593.D
 Acq: 09 Feb 2023 17:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC010

Tgt Ion:105 Resp: 16062
 Ion Ratio Lower Upper
 105 100
 134 19.8 0.0 38.8

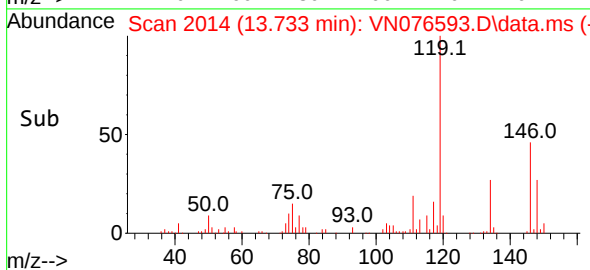
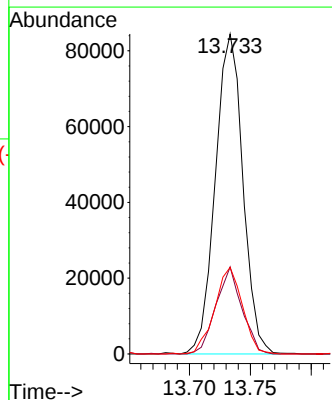
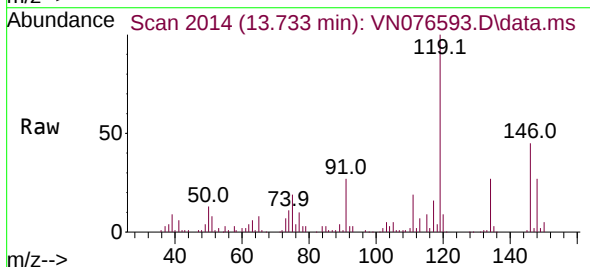
Manual Integrations
 APPROVED

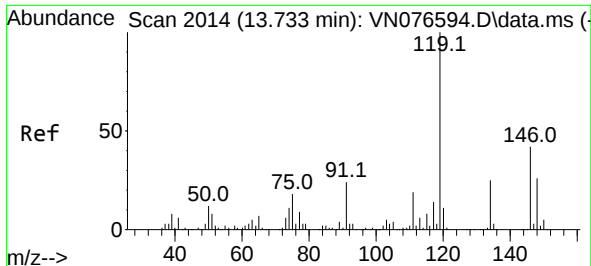
Reviewed By :John Carlone 02/10/2023
 Supervised By :Semsettin Yesilyurt 02/10/2023



#82
 p-Isopropyltoluene
 Concen: 8.871 ug/l
 RT: 13.733 min Scan# 2014
 Delta R.T. 0.004 min
 Lab File: VN076593.D
 Acq: 09 Feb 2023 17:26

Tgt Ion:119 Resp: 132671
 Ion Ratio Lower Upper
 119 100
 134 25.6 0.0 51.4
 91 27.3 0.0 46.8





#83
1,3-Dichlorobenzene
Concen: 8.863 ug/l
RT: 13.733 min Scan# 2014
Delta R.T. -0.002 min
Lab File: VN076593.D
Acq: 09 Feb 2023 17:26

Instrument :

MSVOA_N

ClientSampleId :

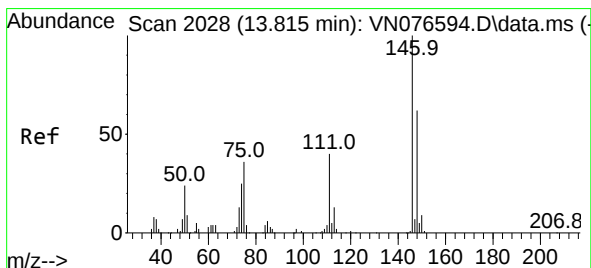
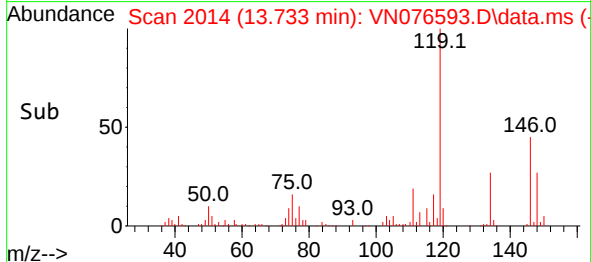
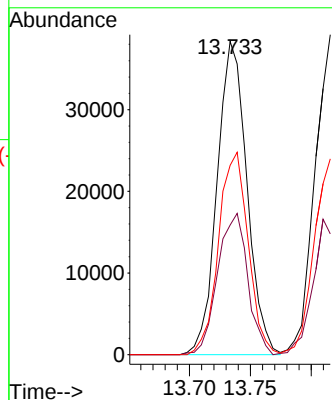
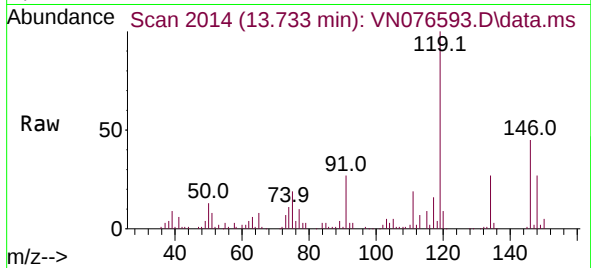
VSTDIC010

Tgt Ion:146 Resp: 6523
Ion Ratio Lower Upper
146 100
111 45.6 20.5 61.5
148 64.3 31.0 93.0

Manual Integrations

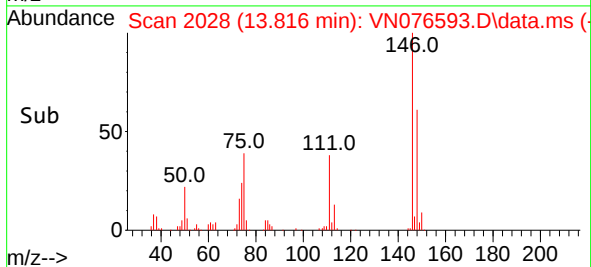
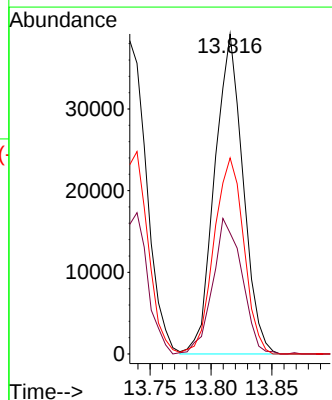
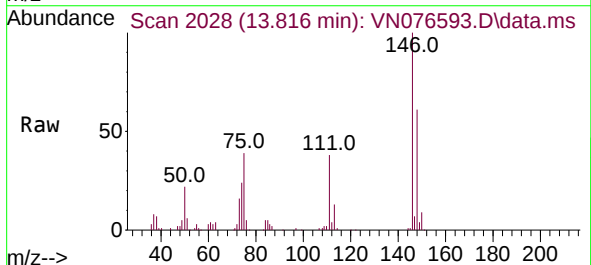
APPROVED

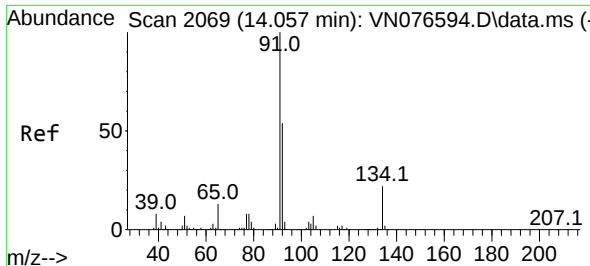
Reviewed By :John Carlone 02/10/2023
Supervised By :Semsettin Yesilyurt 02/10/2023



#84
1,4-Dichlorobenzene
Concen: 8.646 ug/l
RT: 13.816 min Scan# 2028
Delta R.T. 0.004 min
Lab File: VN076593.D
Acq: 09 Feb 2023 17:26

Tgt Ion:146 Resp: 63493
Ion Ratio Lower Upper
146 100
111 43.6 19.1 57.5
148 64.4 31.7 95.1





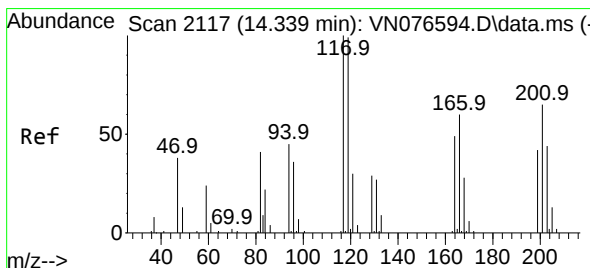
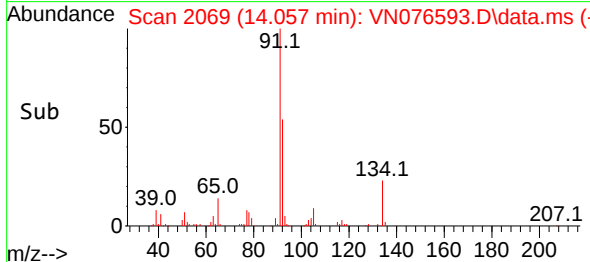
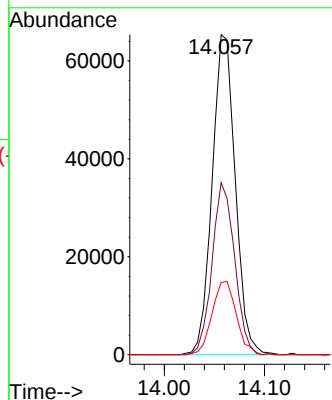
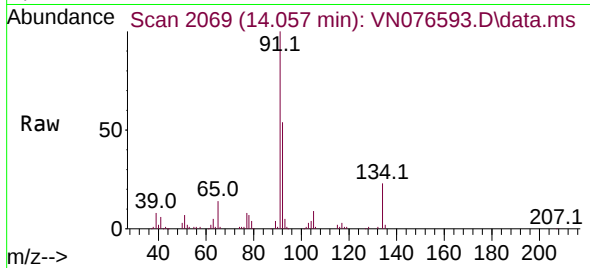
#85
n-Butylbenzene
Concen: 7.550 ug/l
RT: 14.057 min Scan# 2069
Delta R.T. -0.002 min
Lab File: VN076593.D
Acq: 09 Feb 2023 17:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC010

Tgt Ion: 91 Resp: 104852
Ion Ratio Lower Upper
91 100
92 52.3 0.0 105.4
134 24.0 0.0 46.4

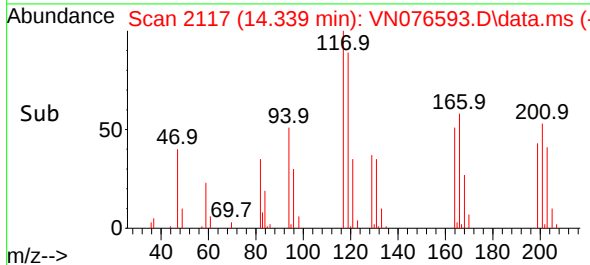
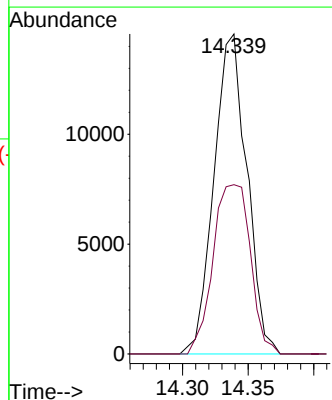
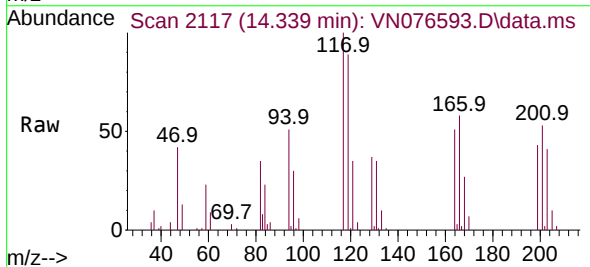
Manual Integrations
APPROVED

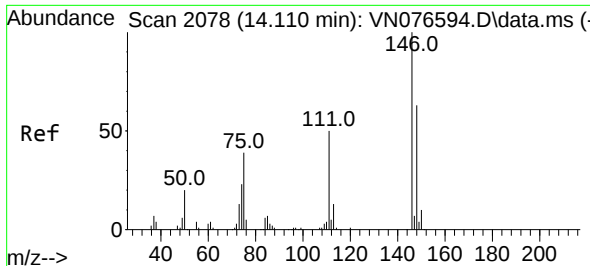
Reviewed By :John Carlone 02/10/2023
Supervised By :Semsettin Yesilyurt 02/10/2023



#86
Hexachloroethane
Concen: 8.755 ug/l
RT: 14.339 min Scan# 2117
Delta R.T. 0.010 min
Lab File: VN076593.D
Acq: 09 Feb 2023 17:26

Tgt Ion:117 Resp: 25425
Ion Ratio Lower Upper
117 100
201 60.1 29.4 88.3





#87

1,2-Dichlorobenzene

Concen: 8.024 ug/l

RT: 14.110 min Scan# 2078

Delta R.T. 0.004 min

Lab File: VN076593.D

Acq: 09 Feb 2023 17:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

Tgt Ion:146 Resp: 6483

Ion Ratio Lower Upper

146 100

111 49.0 21.4 64.2

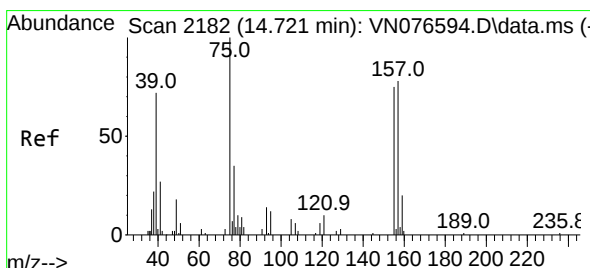
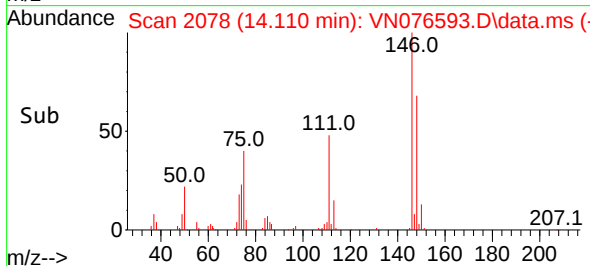
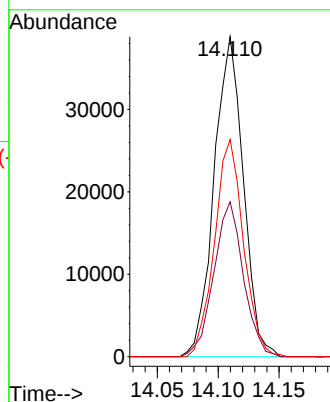
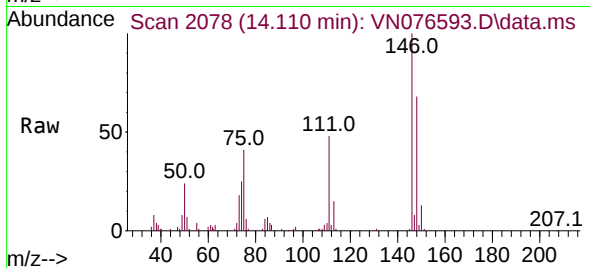
148 67.3 30.6 92.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/10/2023

Supervised By :Semsettin Yesilyurt 02/10/2023



#88

1,2-Dibromo-3-Chloropropane

Concen: 9.532 ug/l

RT: 14.727 min Scan# 2183

Delta R.T. 0.010 min

Lab File: VN076593.D

Acq: 09 Feb 2023 17:26

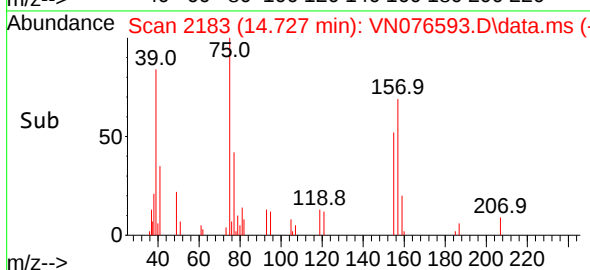
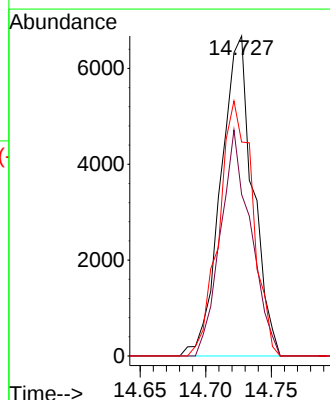
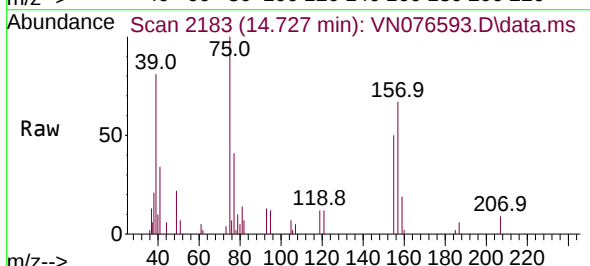
Tgt Ion: 75 Resp: 11361

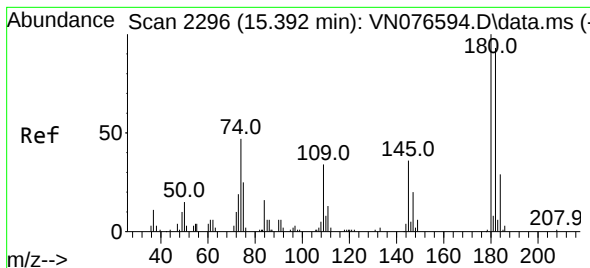
Ion Ratio Lower Upper

75 100

155 66.5 66.3 99.5

157 83.4 84.3 126.5#





#89

1,2,4-Trichlorobenzene

Concen: 9.432 ug/l

RT: 15.392 min Scan# 2178

Delta R.T. -0.002 min

Lab File: VN076593.D

Acq: 09 Feb 2023 17:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

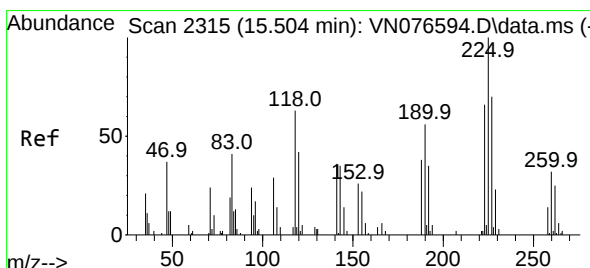
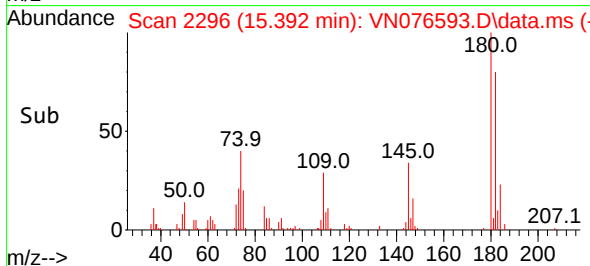
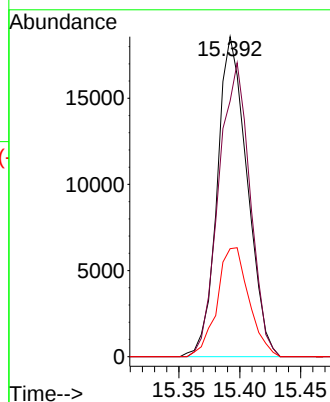
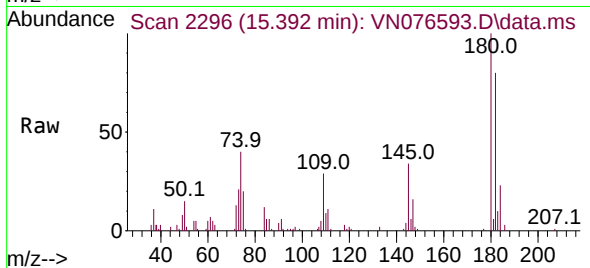
Tgt Ion:	180	Resp:	3178
Ion Ratio	Lower	Upper	
180	100		
182	95.7	74.9	112.3
145	36.2	26.3	39.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/10/2023

Supervised By :Semsettin Yesilyurt 02/10/2023



#90

Hexachlorobutadiene

Concen: 10.805 ug/l

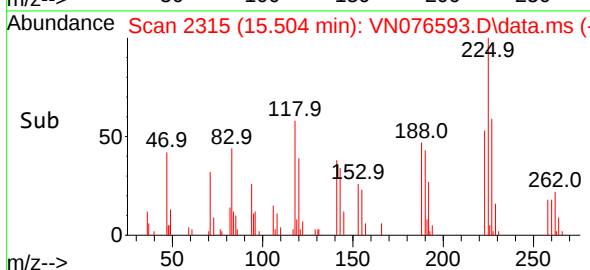
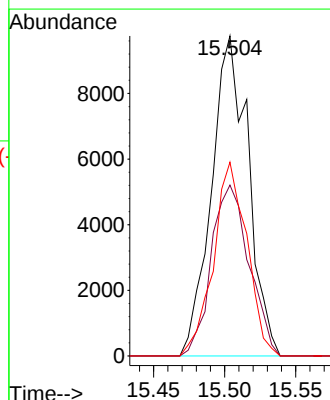
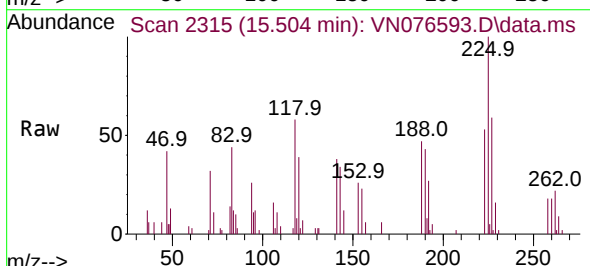
RT: 15.504 min Scan# 2315

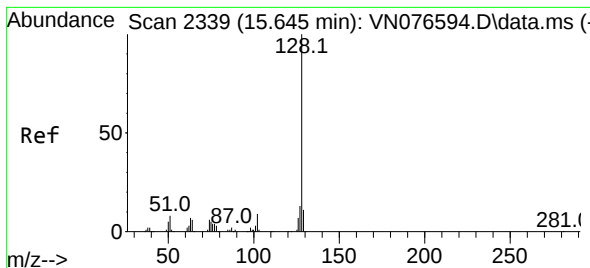
Delta R.T. 0.004 min

Lab File: VN076593.D

Acq: 09 Feb 2023 17:26

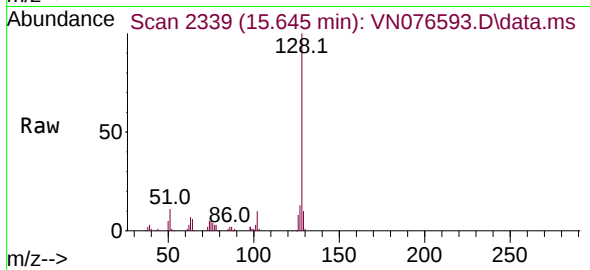
Tgt Ion:	225	Resp:	17589
Ion Ratio	Lower	Upper	
225	100		
223	54.9	0.0	125.0
227	55.0	0.0	123.0





#91
Naphthalene
Concen: 9.131 ug/l
RT: 15.645 min Scan# 2339
Delta R.T. 0.004 min
Lab File: VN076593.D
Acq: 09 Feb 2023 17:26

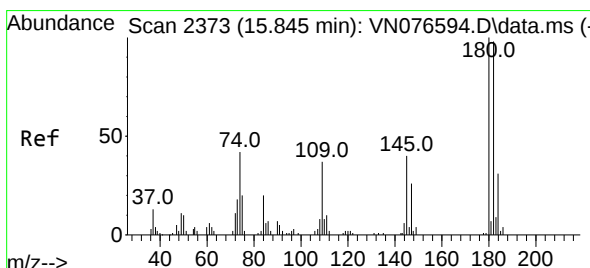
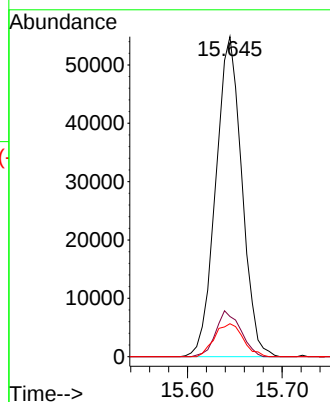
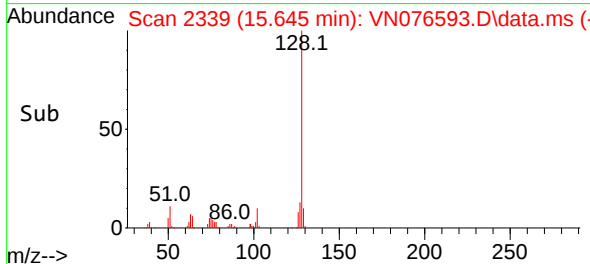
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC010



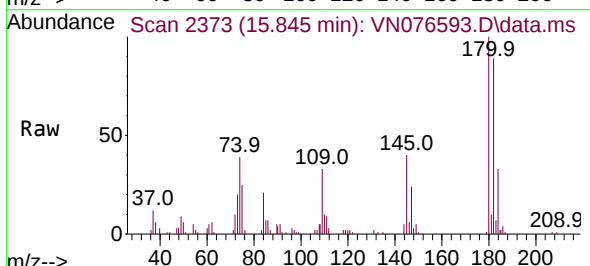
Tgt Ion:128 Resp: 10498
Ion Ratio Lower Upper
128 100
127 13.7 10.7 16.1
129 11.3 8.9 13.3

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/10/2023
Supervised By :Semsettin Yesilyurt 02/10/2023



#92
1,2,3-Trichlorobenzene
Concen: 9.666 ug/l
RT: 15.845 min Scan# 2373
Delta R.T. 0.004 min
Lab File: VN076593.D
Acq: 09 Feb 2023 17:26



Tgt Ion:180 Resp: 32508
Ion Ratio Lower Upper
180 100
182 89.1 0.0 185.4
145 36.6 0.0 68.6

