

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020923\
 Data File : VN076595.D
 Acq On : 09 Feb 2023 18:14
 Operator : JC\MD
 Sample : VSTDICC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC050

Manual Integrations
 APPROVED

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

Quant Time: Feb 10 05:14:00 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	29793	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.104	114	208764	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.868	117	231565	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.580	65	99969	28.469	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	94.900%		
60) 4-Bromofluorobenzene	12.851	95	149504	28.598	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	95.333%		
63) Toluene-d8	10.569	98	248684	29.248	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	97.500%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.140	85	210383	51.019	ug/l	97
3) Chloromethane	2.375	50	212047	42.766	ug/l	98
4) Vinyl Chloride	2.528	62	181287	41.875	ug/l	99
5) Bromomethane	2.951	94	94933	43.678	ug/l	93
6) Chloroethane	3.122	64	100758	49.966	ug/l	93
7) Trichlorofluoromethane	3.510	101	346309	47.109	ug/l	94
8) Diethyl Ether	3.975	74	117699	50.479	ug/l	91
9) 1,1,2-Trichlorotrifluo...	4.387	101	177913	50.277	ug/l	98
10) 1,1-Dichloroethene	4.351	96	164137	49.358	ug/l #	76
11) Methyl Iodide	4.604	142	246831	51.046	ug/l	82
12) Methyl Acetate	5.040	43	337957	48.428	ug/l	92
13) Acrolein	4.193	56	219337	245.390	ug/l	97
14) Acrylonitrile	5.728	53	510347	249.618	ug/l	98
15) Acetone	4.445	58	136741	231.766	ug/l	79
16) Carbon Disulfide	4.728	76	464072	50.778	ug/l	99
17) Allyl chloride	5.034	41	318511	49.683	ug/l	90
18) Methylene Chloride	5.292	84	189133	48.064	ug/l	88
19) trans-1,2-Dichloroethene	5.798	96	171069m	50.055	ug/l	
20) Diisopropyl ether	6.686	45	686620	46.920	ug/l	92
21) 1,1-Dichloroethane	6.581	63	366508	45.928	ug/l	99
22) cis-1,2-Dichloroethene	7.492	96	199955	48.849	ug/l	89
23) tert-Butyl Alcohol	5.534	59	177935	259.357	ug/l #	100
24) Methyl tert-Butyl Ether	5.810	73	614397	51.283	ug/l	94
25) Chloroform	7.975	83	369434	46.786	ug/l	98
26) Cyclohexane	8.263	56	332056	46.892	ug/l #	96
29) 1,1-Dichloropropene	8.375	75	275469	50.978	ug/l	94
30) 2-Butanone	7.492	43	741346	254.164	ug/l	96
31) 2,2-Dichloropropane	7.504	77	294305	52.456	ug/l	95
32) 1,1,1-Trichloroethane	8.175	97	338517	50.491	ug/l	98
33) Carbon Tetrachloride	8.369	117	296499	51.259	ug/l	96
34) Benzene	8.610	78	783390	47.182	ug/l #	92
35) Methacrylonitrile	7.781	41	178563	53.242	ug/l	87
36) 1,2-Dichloroethane	8.680	62	319163	50.127	ug/l	95
37) Trichloroethene	9.357	130	177749	52.287	ug/l	86
38) Methylcyclohexane	9.604	83	327051	54.681	ug/l	92
39) 1,2-Dichloropropane	9.622	63	201859	50.945	ug/l	99
40) Dibromomethane	9.710	93	134450	51.579	ug/l	96
41) Bromodichloromethane	9.892	83	289079	52.743	ug/l #	95
42) Vinyl Acetate	6.616	43	2405881m	253.731	ug/l	

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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Feb 10 05:08:19 2023
 Response via : Initial Calibration

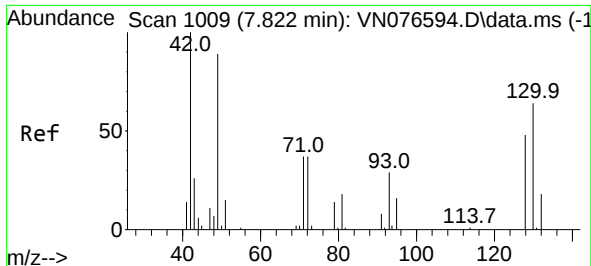
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.569	43	297607	50.043	ug/l	100
44) Isopropyl Acetate	8.692	43	493962	50.490	ug/l	100
45) 1,4-Dioxane	9.692	88	80448	1008.715	ug/l	88
46) Methyl methacrylate	9.686	41	249254	52.840	ug/l	86
47) n-amyl Acetate	12.498	43	442212	53.177	ug/l	94
48) t-1,3-Dichloropropene	10.839	75	299624	54.308	ug/l	99
49) cis-1,3-Dichloropropene	10.316	75	323874	53.103	ug/l #	84
50) 1,1,2-Trichloroethane	11.022	97	183883	51.943	ug/l	97
51) Ethyl methacrylate	10.874	69	313070	55.695	ug/l	90
52) 1,3-Dichloropropane	11.163	76	336400	50.978	ug/l	99
53) Dibromochloromethane	11.363	129	200039	54.380	ug/l	97
54) 1,2-Dibromoethane	11.474	107	188765	52.695	ug/l	96
55) 2-Chloroethyl vinyl ether	10.163	63	697630	271.706	ug/l	99
56) Bromoform	12.580	173	133998	56.560	ug/l #	96
58) 4-Methyl-2-Pentanone	10.445	43	1507468	232.873	ug/l	97
59) 2-Hexanone	11.198	43	1127813	239.621	ug/l	94
61) Tetrachloroethene	11.104	164	144161	48.702	ug/l	97
62) Toluene	10.633	91	817407	47.611	ug/l	100
64) Chlorobenzene	11.892	112	479011	48.163	ug/l	97
65) 1,1,1,2-Tetrachloroethane	11.963	131	181204	48.059	ug/l	98
66) Ethyl Benzene	11.969	91	926005	49.199	ug/l	100
67) m/p-Xylenes	12.074	106	698754	98.948	ug/l	95
68) o-Xylene	12.398	106	340870	48.995	ug/l	93
69) Styrene	12.416	104	558423	50.568	ug/l	93
70) Isopropylbenzene	12.698	105	918359	49.258	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.939	83	278668	42.871	ug/l	97
72) 1,2,3-Trichloropropane	12.998	75	272356m	46.010	ug/l	
73) Bromobenzene	12.980	156	192231	43.452	ug/l	96
74) n-propylbenzene	13.039	91	1091763	45.658	ug/l	99
75) 2-Chlorotoluene	13.127	91	677405	45.035	ug/l	95
76) 1,3,5-Trimethylbenzene	13.174	105	795637	45.700	ug/l	96
77) t-1,4-Dichloro-2-butene	12.739	75	86643	48.386	ug/l	72
78) 4-Chlorotoluene	13.221	91	672499	44.465	ug/l	92
79) tert-butylbenzene	13.439	119	684559	46.324	ug/l	92
80) 1,2,4-Trimethylbenzene	13.486	105	790011	46.011	ug/l	95
81) sec-Butylbenzene	13.621	105	962246	46.503	ug/l	100
82) p-Isopropyltoluene	13.733	119	802911	48.292	ug/l	96
83) 1,3-Dichlorobenzene	13.733	146	376450	46.006	ug/l	97
84) 1,4-Dichlorobenzene	13.815	146	363667	44.546	ug/l	96
85) n-Butylbenzene	14.057	91	715090	46.315	ug/l	99
86) Hexachloroethane	14.333	117	146517	45.385	ug/l	97
87) 1,2-Dichlorobenzene	14.110	146	375722	41.829	ug/l	96
88) 1,2-Dibromo-3-Chloropr...	14.721	75	66500	50.188	ug/l #	82
89) 1,2,4-Trichlorobenzene	15.398	180	200618	53.553	ug/l	98
90) Hexachlorobutadiene	15.504	225	95605	52.828	ug/l	99
91) Naphthalene	15.645	128	699790	54.749	ug/l	99
92) 1,2,3-Trichlorobenzene	15.845	180	198948	53.210	ug/l	98

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

Manual Integrations

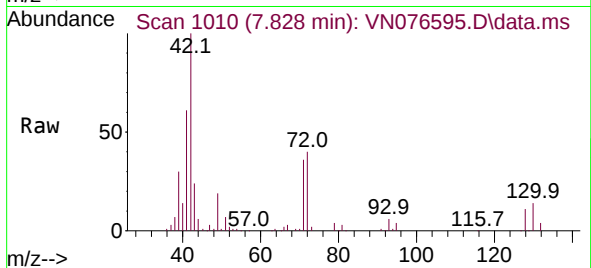
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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Feb 10 05:08:19 2023
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.828 min Scan# 10
Delta R.T. -0.002 min
Lab File: VN076595.D
Acq: 09 Feb 2023 18:14

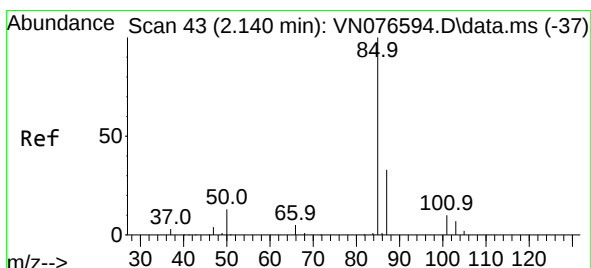
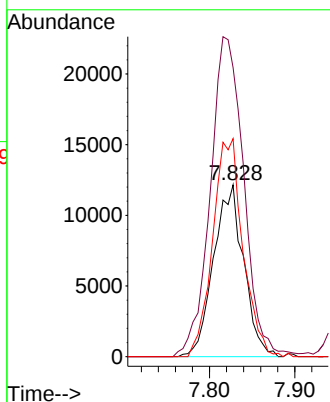
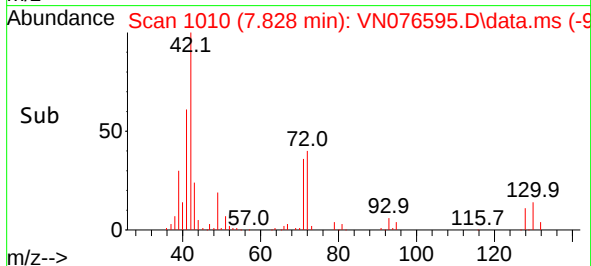
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050



Tgt Ion:128 Resp: 2979
Ion Ratio Lower Upper
128 100
49 207.5 0.0 492.0
130 127.1 0.0 313.3

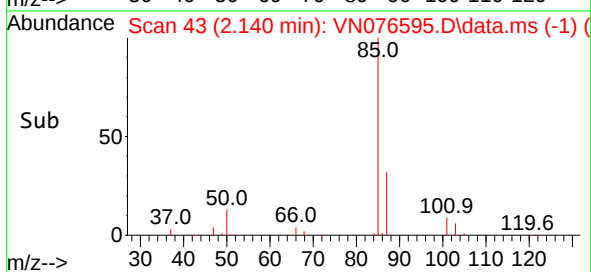
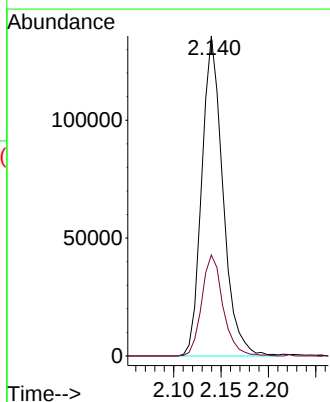
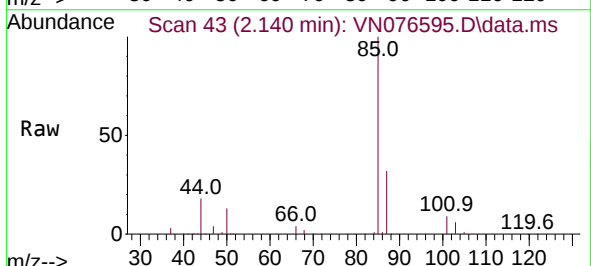
Manual Integrations
APPROVED

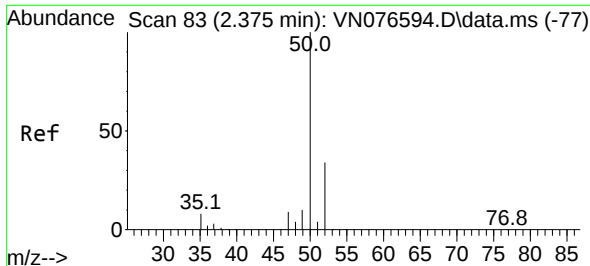
Reviewed By :John Carlone 02/10/2023
Supervised By :Semsettin Yesilyurt 02/10/2023



#2
Dichlorodifluoromethane
Concen: 51.019 ug/l
RT: 2.140 min Scan# 43
Delta R.T. -0.008 min
Lab File: VN076595.D
Acq: 09 Feb 2023 18:14

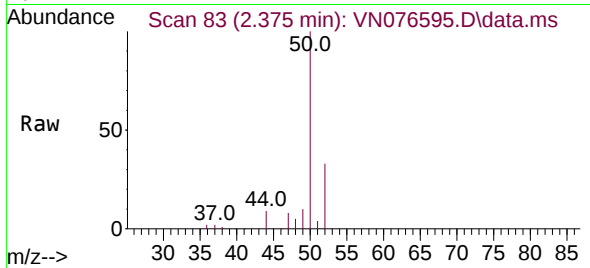
Tgt Ion: 85 Resp: 210383
Ion Ratio Lower Upper
85 100
87 31.6 16.7 50.1





#3
Chloromethane
Concen: 42.766 ug/l
RT: 2.375 min Scan# 83
Delta R.T. -0.008 min
Lab File: VN076595.D
Acq: 09 Feb 2023 18:14

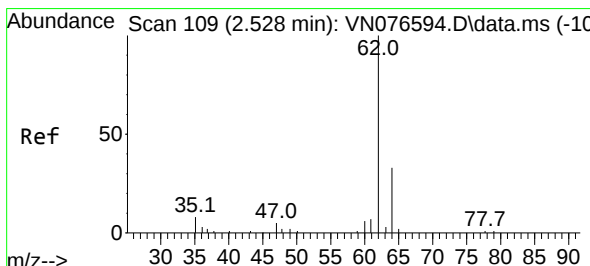
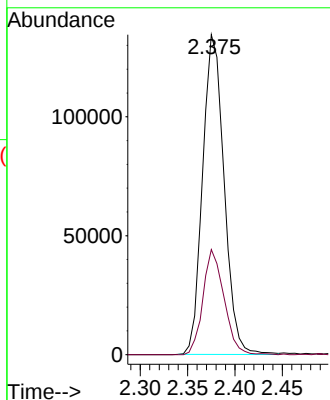
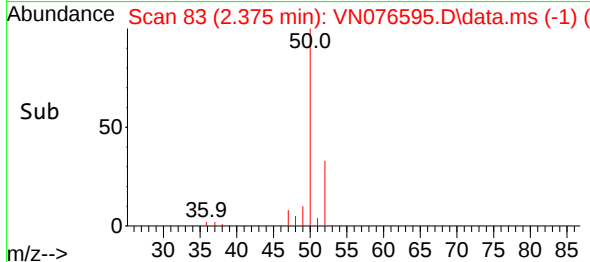
Instrument :
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ClientSampleId :
VSTDICC050



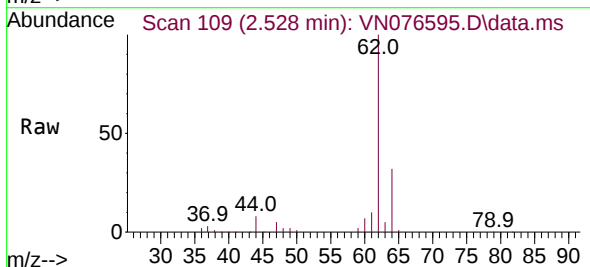
Tgt Ion: 50 Resp: 21204
Ion Ratio Lower Upper
50 100
52 32.9 25.5 38.3

Manual Integrations
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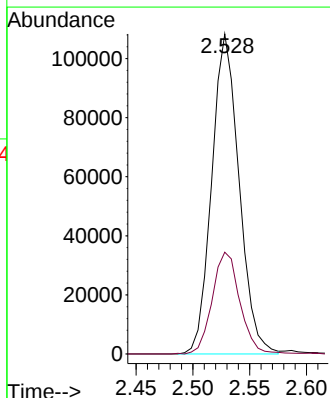
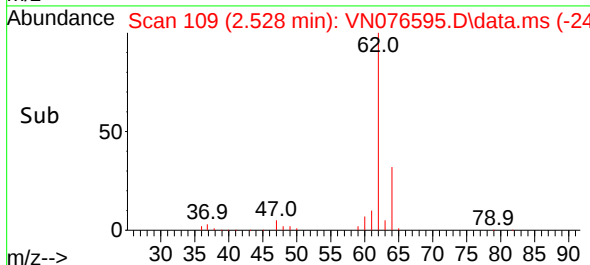
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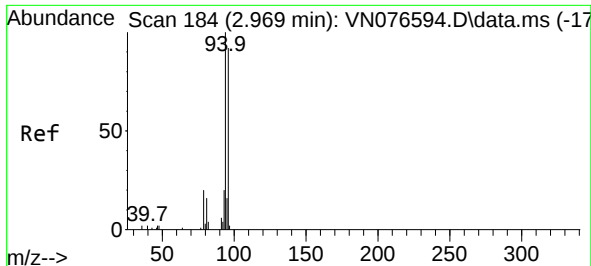


#4
Vinyl Chloride
Concen: 41.875 ug/l
RT: 2.528 min Scan# 109
Delta R.T. -0.002 min
Lab File: VN076595.D
Acq: 09 Feb 2023 18:14



Tgt Ion: 62 Resp: 181287
Ion Ratio Lower Upper
62 100
64 31.6 25.6 38.4





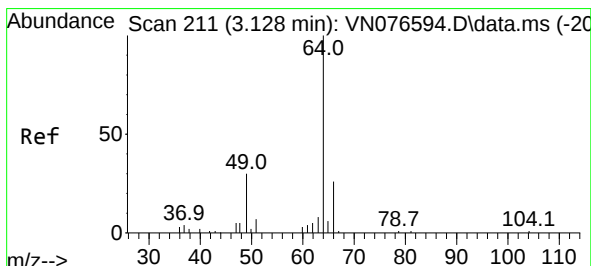
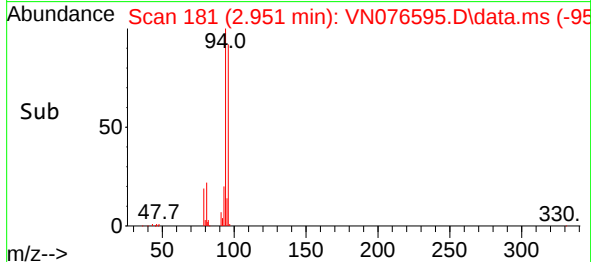
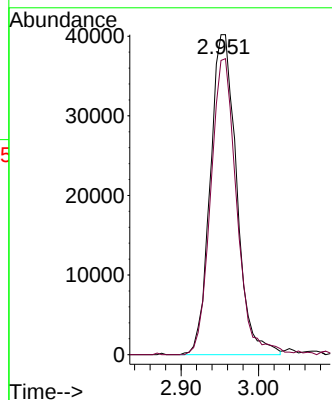
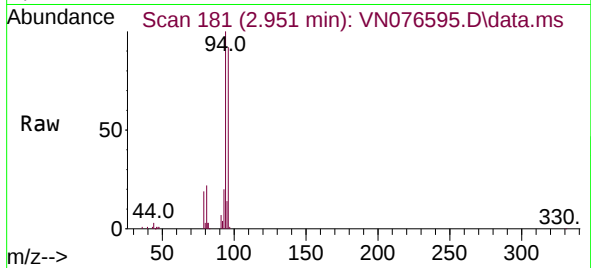
#5
Bromomethane
Concen: 43.678 ug/l
RT: 2.951 min Scan# 11
Delta R.T. 0.003 min
Lab File: VN076595.D
Acq: 09 Feb 2023 18:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tgt Ion: 94 Resp: 9493
Ion Ratio Lower Upper
94 100
96 91.9 68.3 102.5

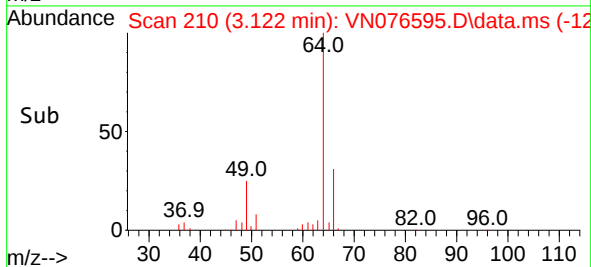
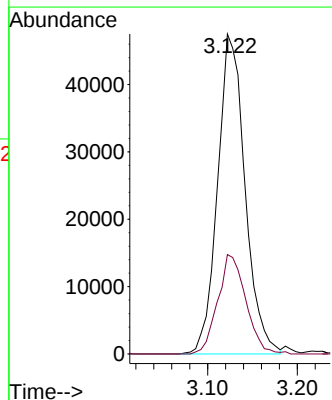
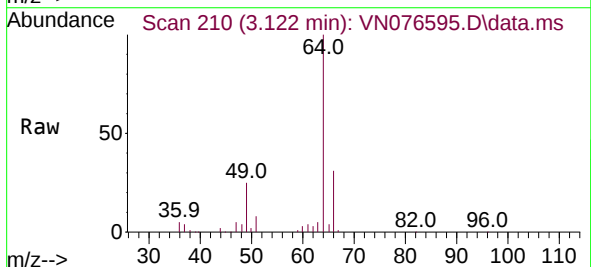
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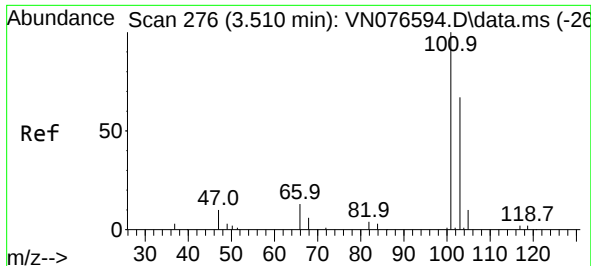
Reviewed By :John Carlone 02/10/2023
Supervised By :Semsettin Yesilyurt 02/10/2023



#6
Chloroethane
Concen: 49.966 ug/l
RT: 3.122 min Scan# 210
Delta R.T. -0.002 min
Lab File: VN076595.D
Acq: 09 Feb 2023 18:14

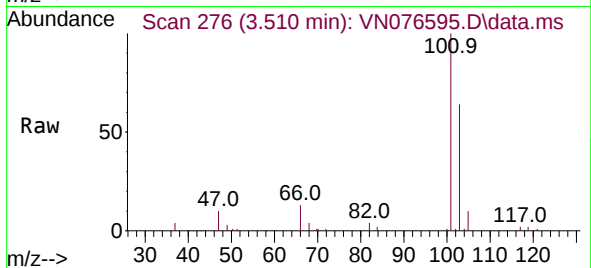
Tgt Ion: 64 Resp: 100758
Ion Ratio Lower Upper
64 100
66 31.0 21.8 32.8





#7
 Trichlorofluoromethane
 Concen: 47.109 ug/l
 RT: 3.510 min Scan# 276
 Delta R.T. 0.004 min
 Lab File: VN076595.D
 Acq: 09 Feb 2023 18:14

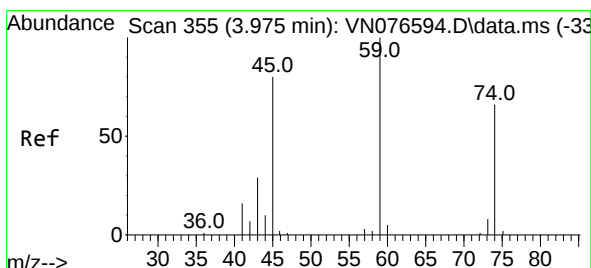
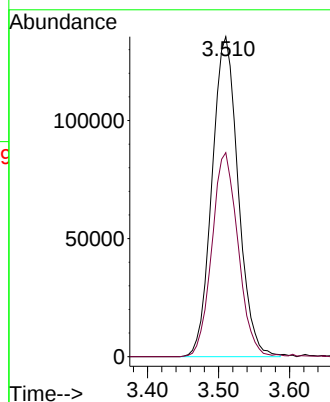
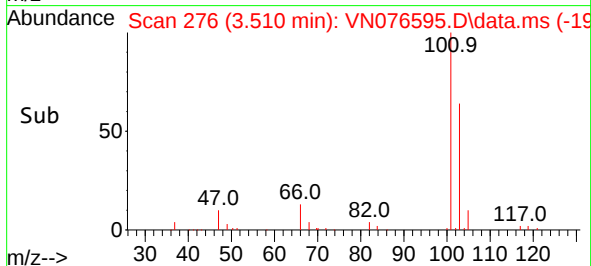
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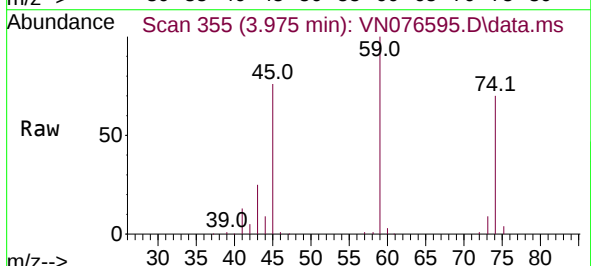
Tgt Ion:101 Resp: 346309
 Ion Ratio Lower Upper
 101 100
 103 63.8 54.8 82.2

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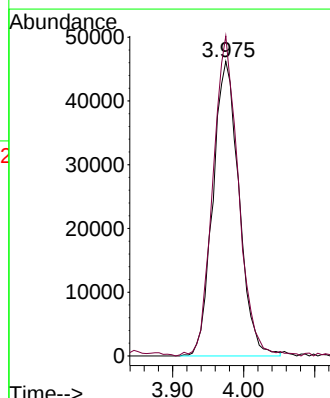
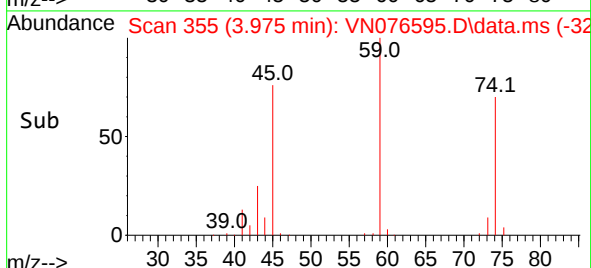
Reviewed By :John Carlone 02/10/2023
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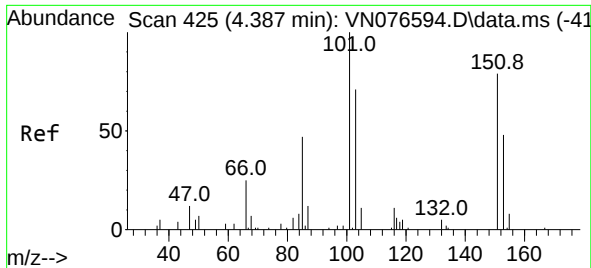


#8
 Diethyl Ether
 Concen: 50.479 ug/l
 RT: 3.975 min Scan# 355
 Delta R.T. -0.014 min
 Lab File: VN076595.D
 Acq: 09 Feb 2023 18:14



Tgt Ion: 74 Resp: 117699
 Ion Ratio Lower Upper
 74 100
 45 103.5 19.0 171.0





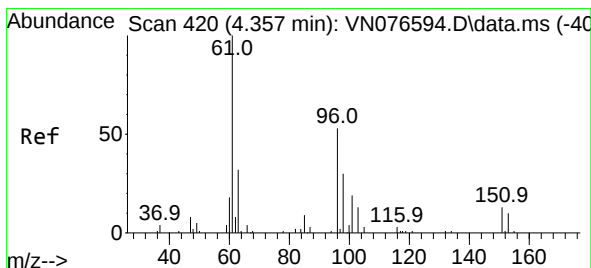
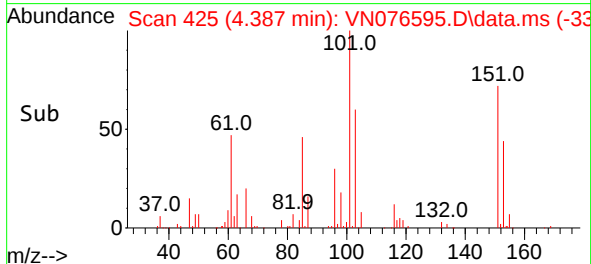
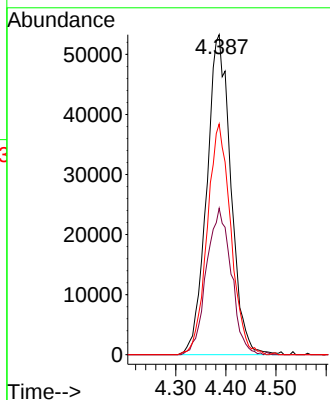
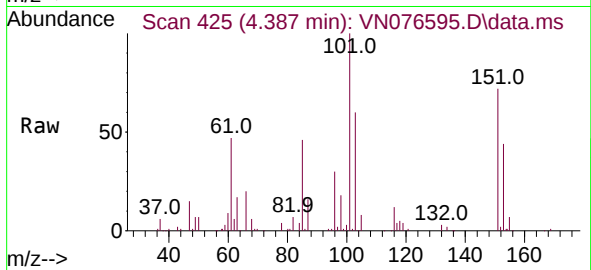
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1,1,2-Trichlorotrifluoroethane
Concen: 50.277 ug/l
RT: 4.387 min Scan# 419
Delta R.T. 0.004 min
Lab File: VN076595.D
Acq: 09 Feb 2023 18:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tgt Ion:101 Resp: 17791
Ion Ratio Lower Upper
101 100
85 46.9 0.0 94.6
151 70.1 0.0 144.8

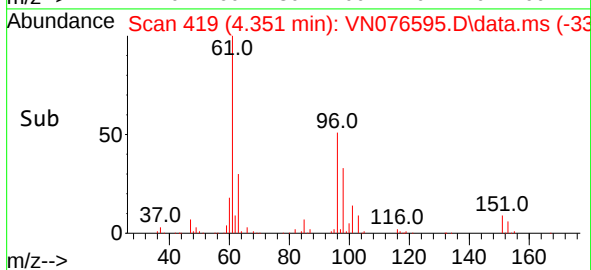
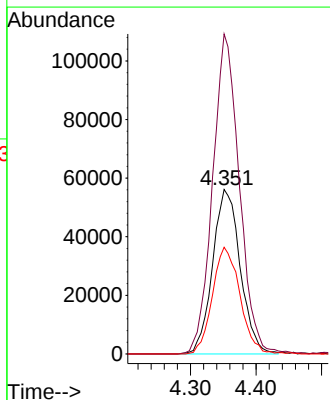
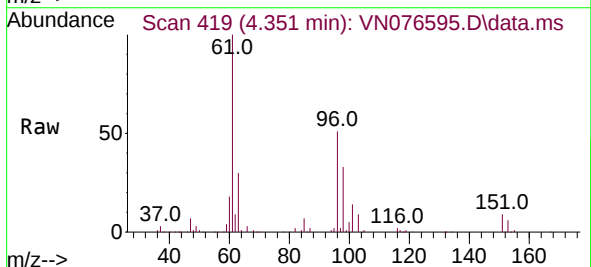
Manual Integrations
APPROVED

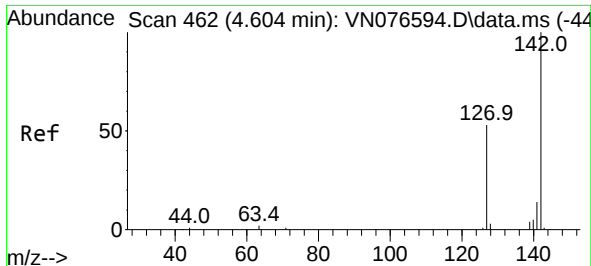
Reviewed By :John Carlone 02/10/2023
Supervised By :Semsettin Yesilyurt 02/10/2023



#10
1,1-Dichloroethene
Concen: 49.358 ug/l
RT: 4.351 min Scan# 419
Delta R.T. -0.008 min
Lab File: VN076595.D
Acq: 09 Feb 2023 18:14

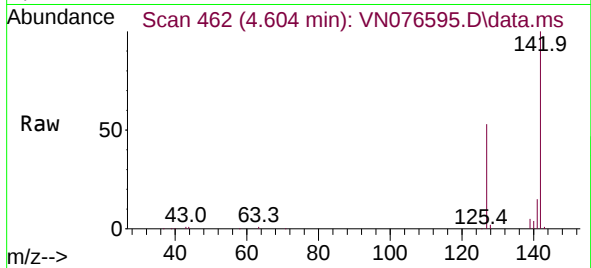
Tgt Ion: 96 Resp: 164137
Ion Ratio Lower Upper
96 100
61 194.6 125.5 188.3#
98 64.9 45.0 67.4





#11
Methyl Iodide
Concen: 51.046 ug/l
RT: 4.604 min Scan# 411
Delta R.T. -0.008 min
Lab File: VN076595.D
Acq: 09 Feb 2023 18:14

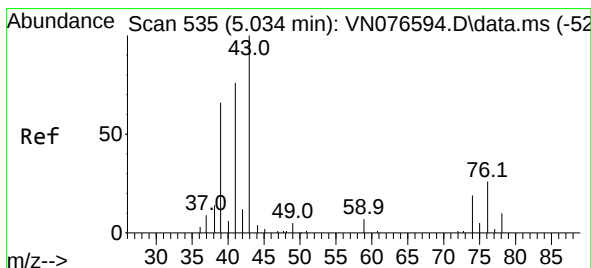
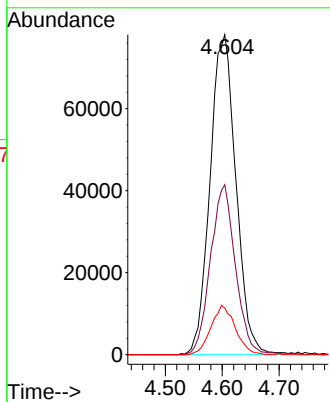
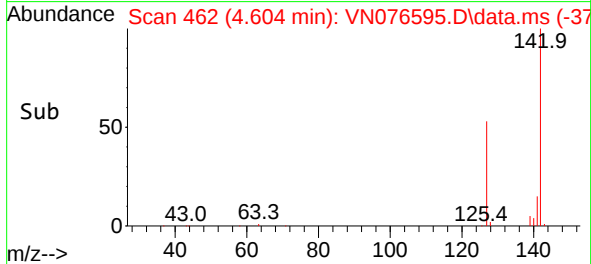
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050



Tgt Ion:142 Resp: 24683
Ion Ratio Lower Upper
142 100
127 53.0 19.3 57.8
141 14.1 7.7 23.1

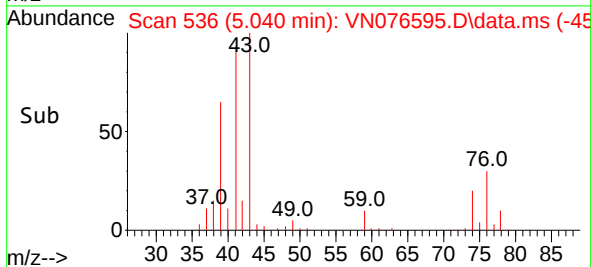
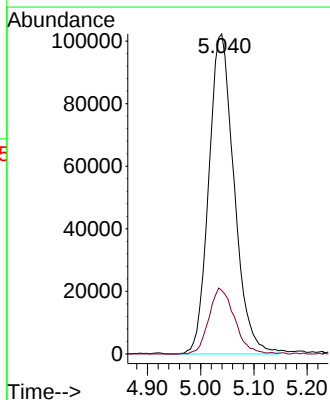
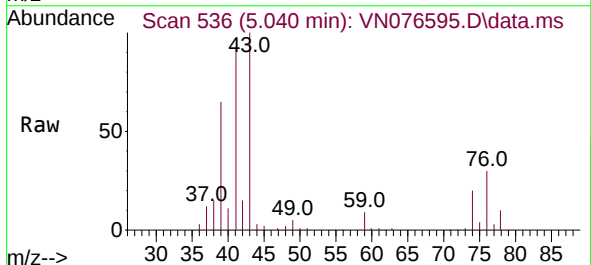
Manual Integrations
APPROVED

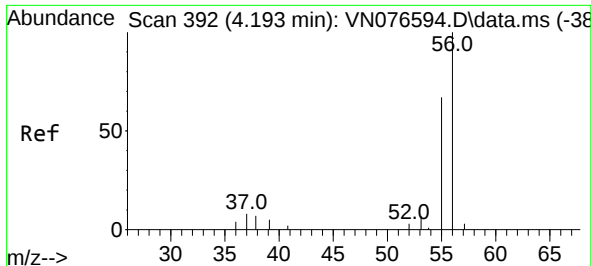
Reviewed By :John Carlone 02/10/2023
Supervised By :Semsettin Yesilyurt 02/10/2023



#12
Methyl Acetate
Concen: 48.428 ug/l
RT: 5.040 min Scan# 536
Delta R.T. -0.008 min
Lab File: VN076595.D
Acq: 09 Feb 2023 18:14

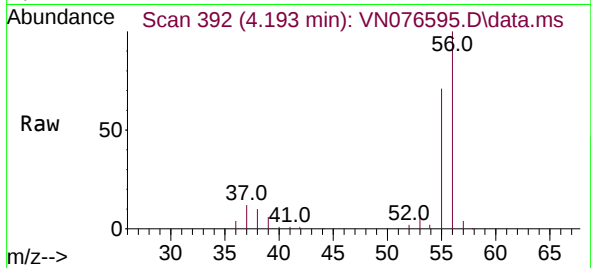
Tgt Ion: 43 Resp: 337957
Ion Ratio Lower Upper
43 100
74 19.8 19.0 28.6





#13
Acrolein
Concen: 245.390 ug/l
RT: 4.193 min Scan# 392
Delta R.T. -0.013 min
Lab File: VN076595.D
Acq: 09 Feb 2023 18:14

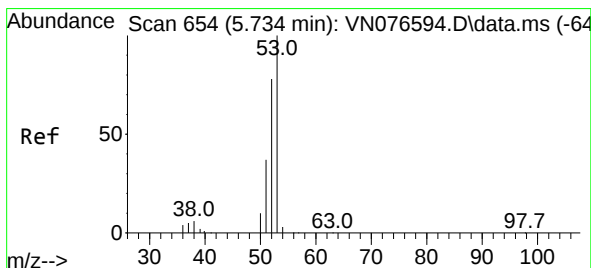
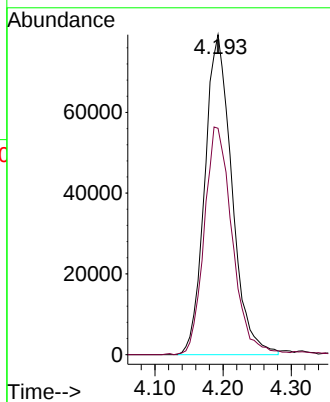
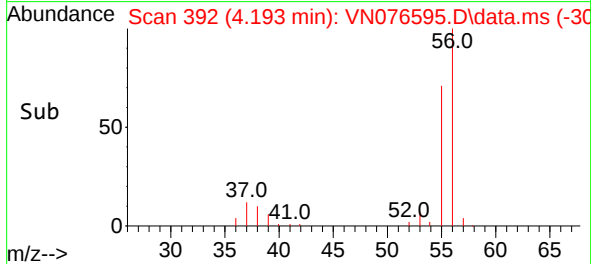
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050



Tgt Ion: 56 Resp: 21933
Ion Ratio Lower Upper
56 100
55 73.0 56.2 84.2

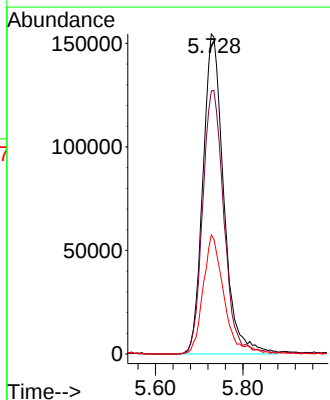
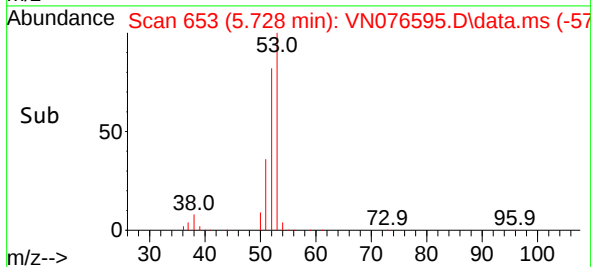
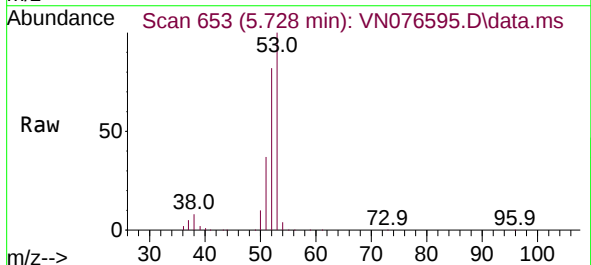
Manual Integrations
APPROVED

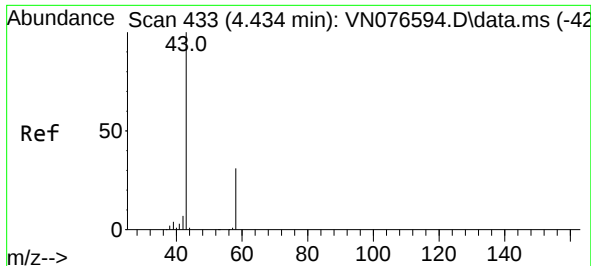
Reviewed By :John Carlone 02/10/2023
Supervised By :Semsettin Yesilyurt 02/10/2023



#14
Acrylonitrile
Concen: 249.618 ug/l
RT: 5.728 min Scan# 653
Delta R.T. -0.014 min
Lab File: VN076595.D
Acq: 09 Feb 2023 18:14

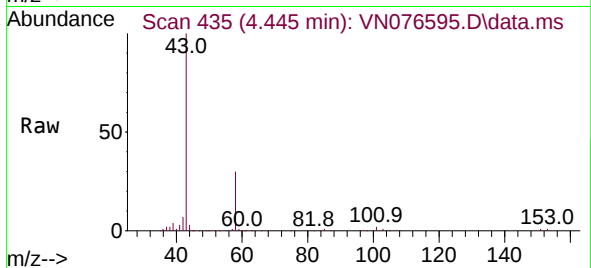
Tgt Ion: 53 Resp: 510347
Ion Ratio Lower Upper
53 100
52 82.5 40.8 122.4
51 36.0 17.0 51.0





#15
Acetone
Concen: 231.766 ug/l
RT: 4.445 min Scan# 41
Delta R.T. -0.008 min
Lab File: VN076595.D
Acq: 09 Feb 2023 18:14

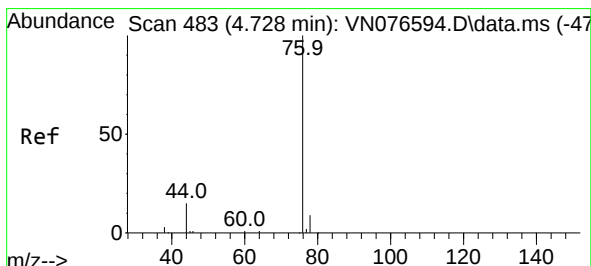
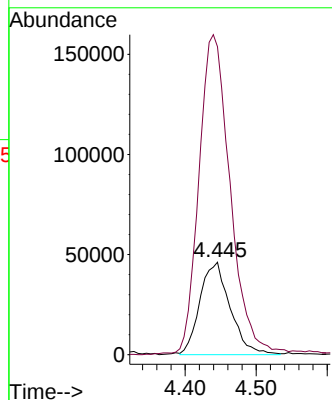
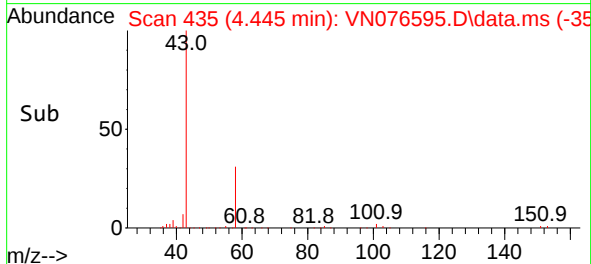
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050



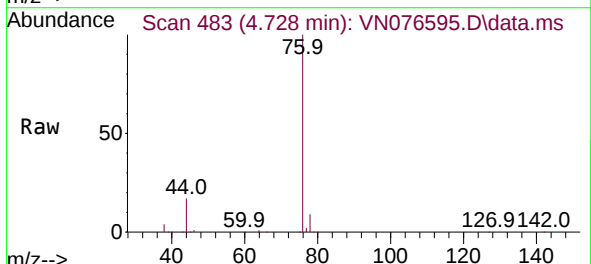
Tgt Ion: 58 Resp: 13674
Ion Ratio Lower Upper
58 100
43 331.0 232.2 348.4

Manual Integrations
APPROVED

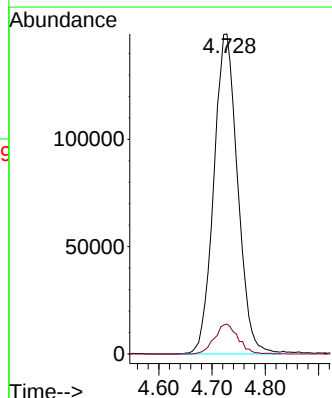
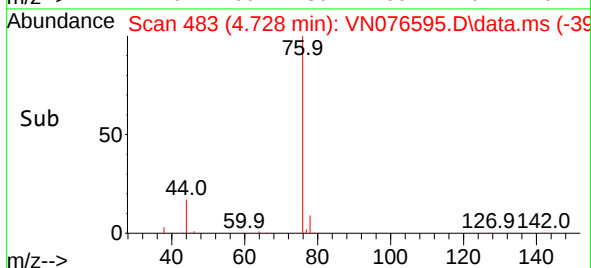
Reviewed By :John Carlone 02/10/2023
Supervised By :Semsettin Yesilyurt 02/10/2023

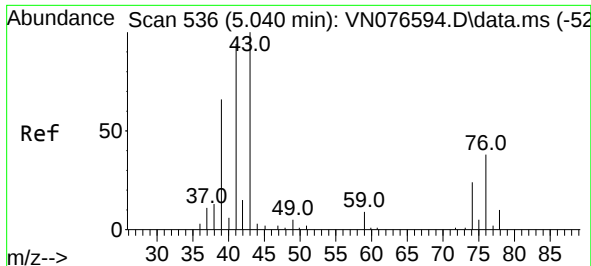


#16
Carbon Disulfide
Concen: 50.778 ug/l
RT: 4.728 min Scan# 483
Delta R.T. -0.008 min
Lab File: VN076595.D
Acq: 09 Feb 2023 18:14



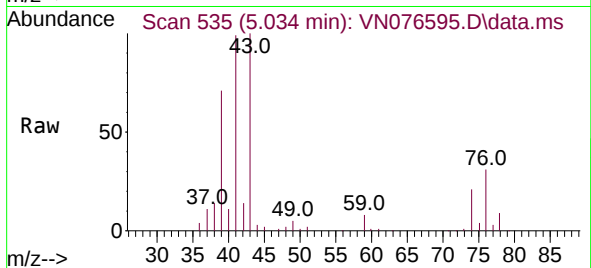
Tgt Ion: 76 Resp: 464072
Ion Ratio Lower Upper
76 100
78 9.3 7.2 10.8





#17
 Allyl chloride
 Concen: 49.683 ug/l
 RT: 5.034 min Scan# 51
 Delta R.T. -0.008 min
 Lab File: VN076595.D
 Acq: 09 Feb 2023 18:14

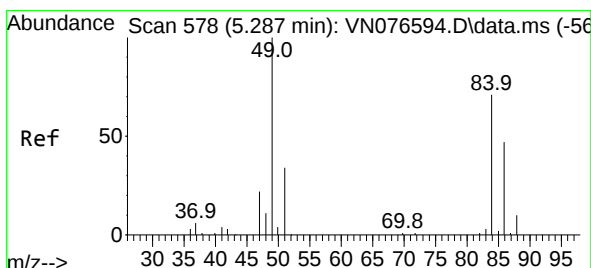
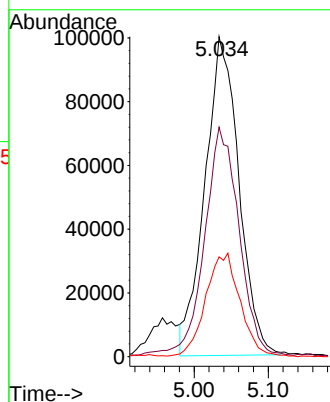
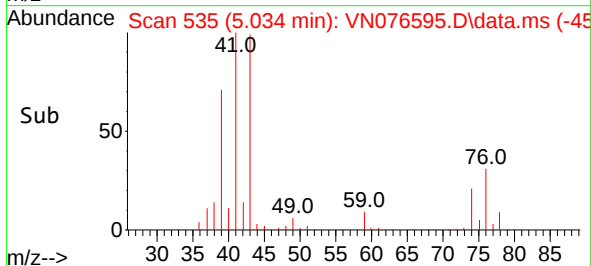
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050



Tgt Ion: 41 Resp: 31851
 Ion Ratio Lower Upper
 41 100
 39 71.5 39.1 117.5
 76 31.2 19.8 59.4

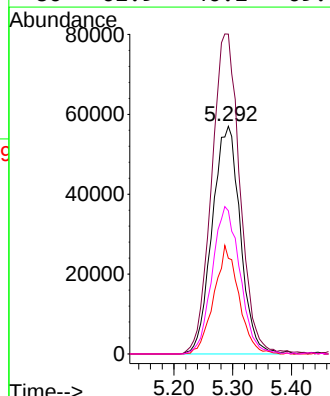
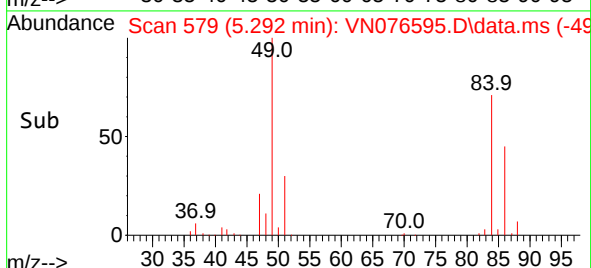
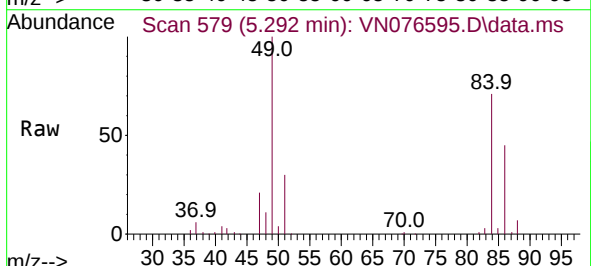
Manual Integrations
 APPROVED

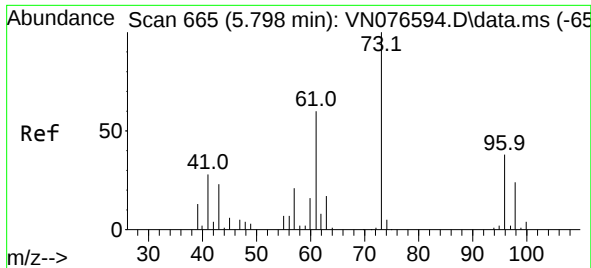
Reviewed By :John Carlone 02/10/2023
 Supervised By :Semsettin Yesilyurt 02/10/2023



#18
 Methylene Chloride
 Concen: 48.064 ug/l
 RT: 5.292 min Scan# 579
 Delta R.T. -0.008 min
 Lab File: VN076595.D
 Acq: 09 Feb 2023 18:14

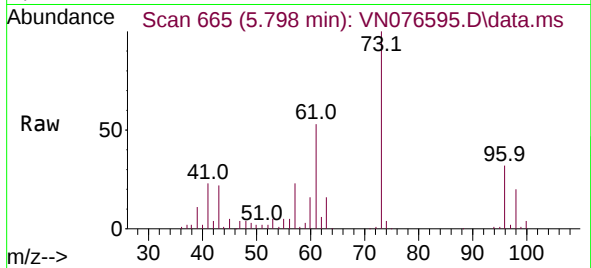
Tgt Ion: 84 Resp: 189133
 Ion Ratio Lower Upper
 84 100
 49 140.5 99.6 149.4
 51 42.0 28.2 42.2
 86 62.9 46.2 69.4





#19
trans-1,2-Dichloroethene
Concen: 50.055 ug/l m
RT: 5.798 min Scan# 665
Delta R.T. -0.014 min
Lab File: VN076595.D
Acq: 09 Feb 2023 18:14

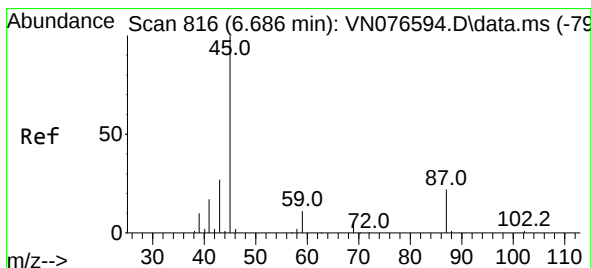
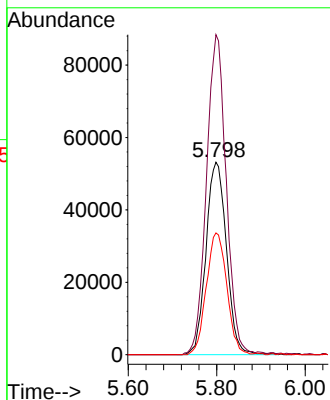
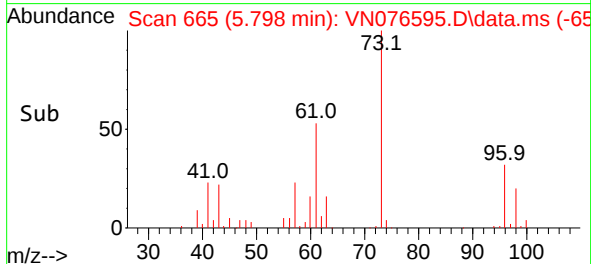
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050



Tgt Ion: 96 Resp: 171069
Ion Ratio Lower Upper
96 100
61 166.2 110.2 165.4
98 63.3 50.0 75.0

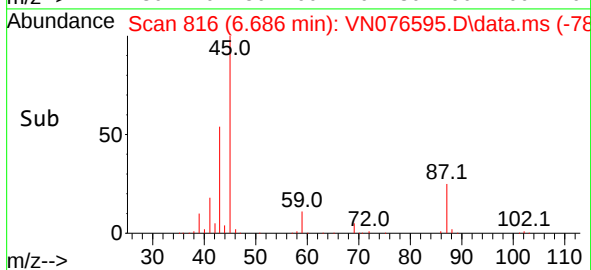
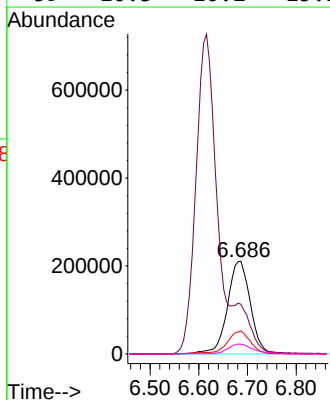
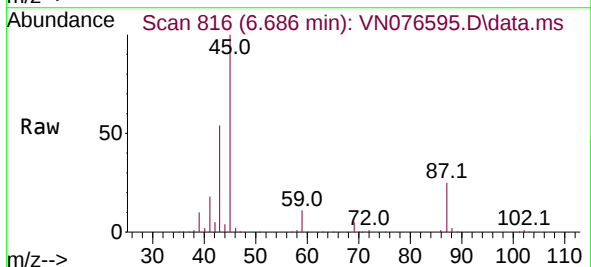
Manual Integrations
APPROVED

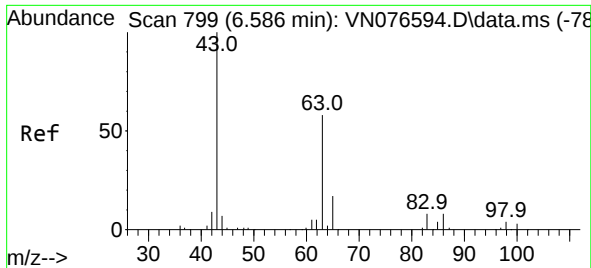
Reviewed By :John Carlone 02/10/2023
Supervised By :Semsettin Yesilyurt 02/10/2023



#20
Diisopropyl ether
Concen: 46.920 ug/l
RT: 6.686 min Scan# 816
Delta R.T. -0.008 min
Lab File: VN076595.D
Acq: 09 Feb 2023 18:14

Tgt Ion: 45 Resp: 686620
Ion Ratio Lower Upper
45 100
43 52.1 47.3 70.9
87 24.7 21.8 32.8
59 10.3 10.2 15.2





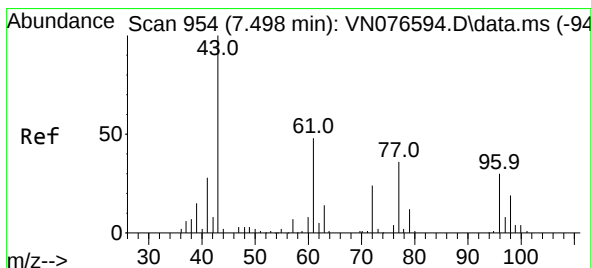
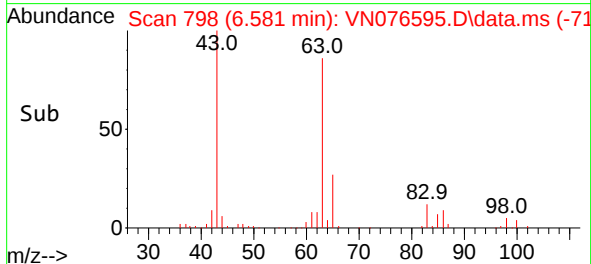
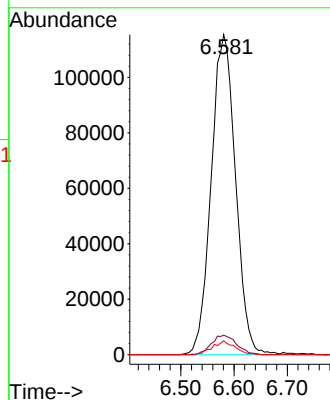
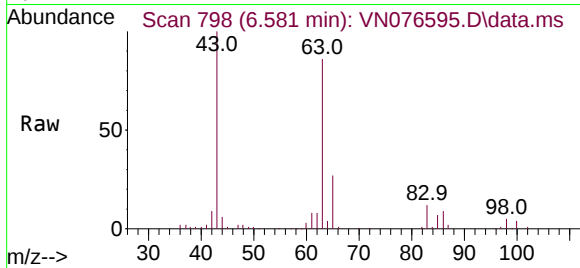
#21
1,1-Dichloroethane
Concen: 45.928 ug/l
RT: 6.581 min Scan# 799
Delta R.T. -0.002 min
Lab File: VN076595.D
Acq: 09 Feb 2023 18:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tgt Ion: 63 Resp: 366508
Ion Ratio Lower Upper
63 100
98 6.1 3.3 9.9
100 4.3 2.2 6.6

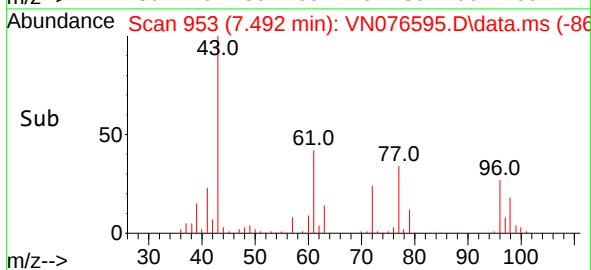
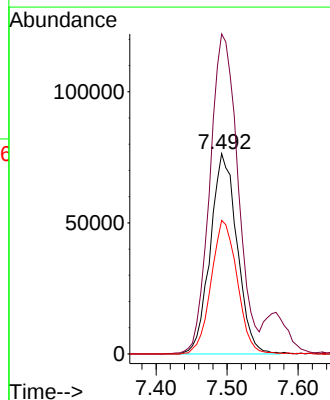
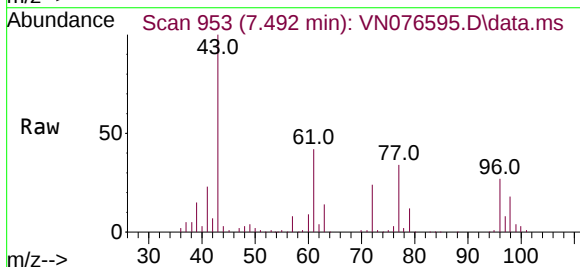
Manual Integrations
APPROVED

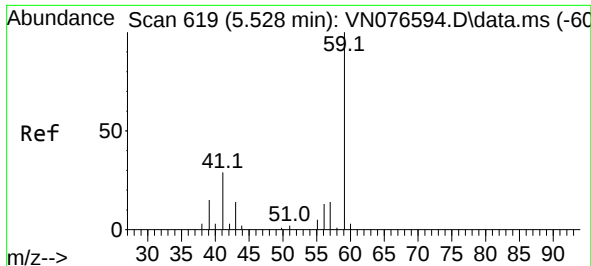
Reviewed By :John Carlone 02/10/2023
Supervised By :Semsettin Yesilyurt 02/10/2023



#22
cis-1,2-Dichloroethene
Concen: 48.849 ug/l
RT: 7.492 min Scan# 953
Delta R.T. -0.008 min
Lab File: VN076595.D
Acq: 09 Feb 2023 18:14

Tgt Ion: 96 Resp: 199955
Ion Ratio Lower Upper
96 100
61 167.5 118.8 178.2
98 65.1 52.1 78.1





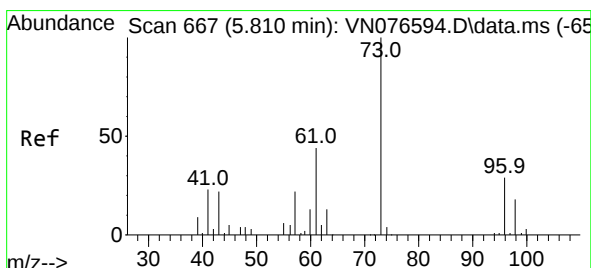
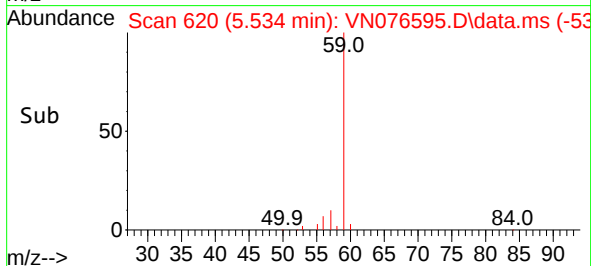
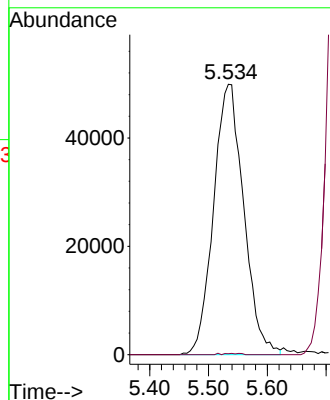
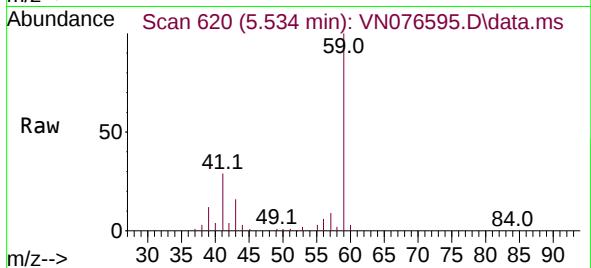
#23
tert-Butyl Alcohol
Concen: 259.357 ug/l
RT: 5.534 min Scan# 619
Delta R.T. -0.025 min
Lab File: VN076595.D
Acq: 09 Feb 2023 18:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tgt Ion: 59 Resp: 177935
Ion Ratio Lower Upper
59 100
52 0.2 0.2 0.4

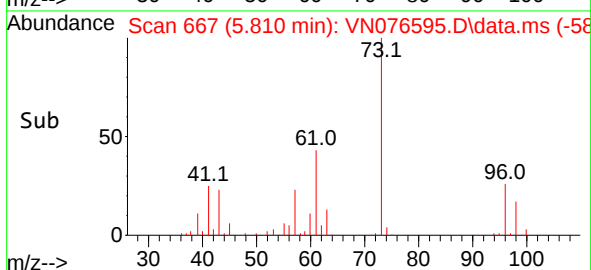
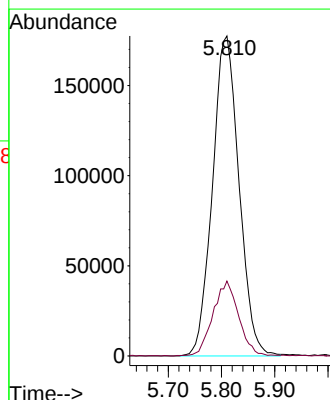
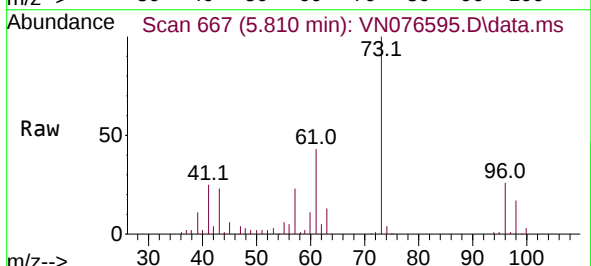
Manual Integrations
APPROVED

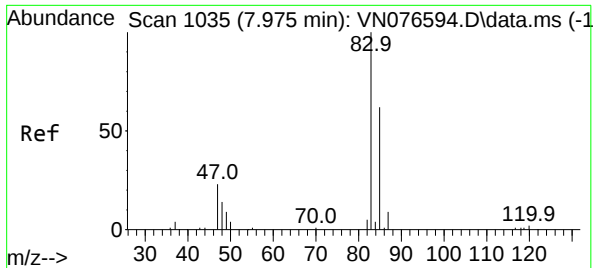
Reviewed By :John Carlone 02/10/2023
Supervised By :Semsettin Yesilyurt 02/10/2023



#24
Methyl tert-Butyl Ether
Concen: 51.283 ug/l
RT: 5.810 min Scan# 667
Delta R.T. -0.008 min
Lab File: VN076595.D
Acq: 09 Feb 2023 18:14

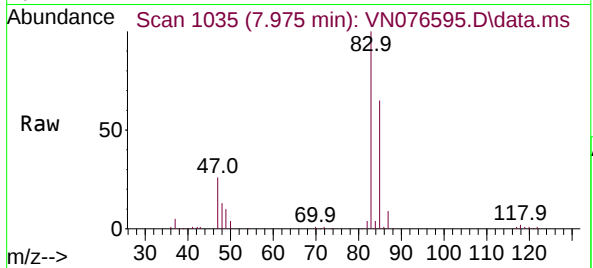
Tgt Ion: 73 Resp: 614397
Ion Ratio Lower Upper
73 100
43 22.2 15.6 23.4





#25
Chloroform
Concen: 46.786 ug/l
RT: 7.975 min Scan# 1035
Delta R.T. -0.002 min
Lab File: VN076595.D
Acq: 09 Feb 2023 18:14

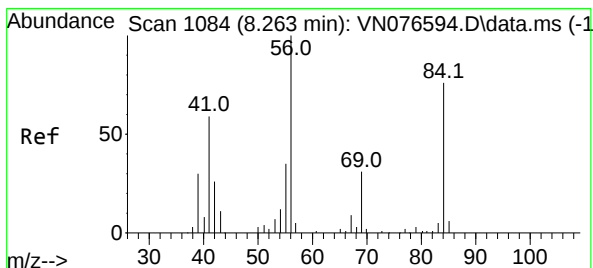
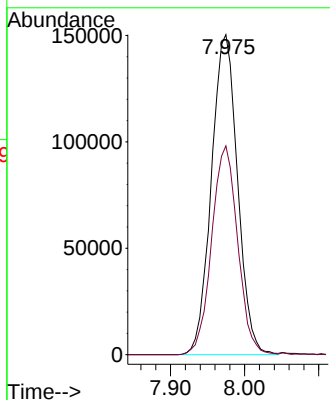
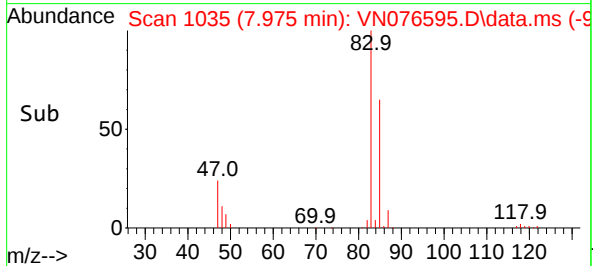
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050



Tgt Ion: 83 Resp: 369434
Ion Ratio Lower Upper
83 100
85 65.2 53.6 80.4

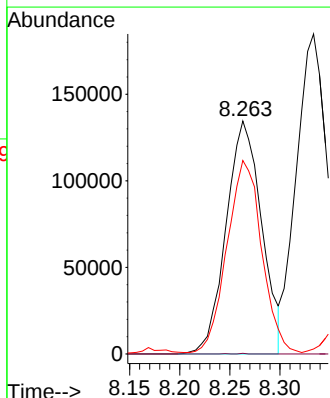
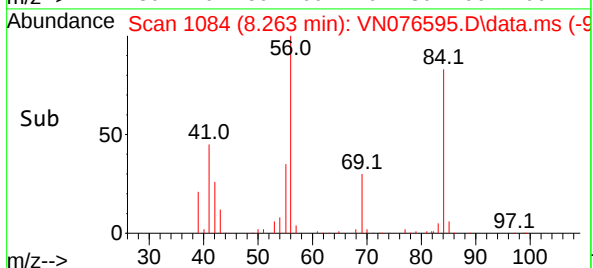
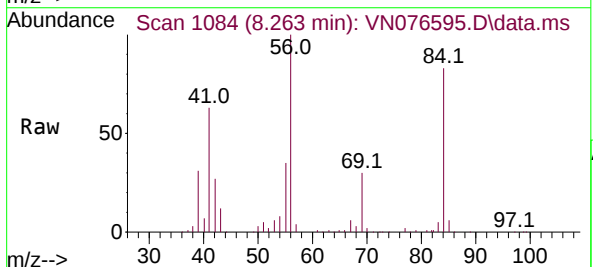
Manual Integrations
APPROVED

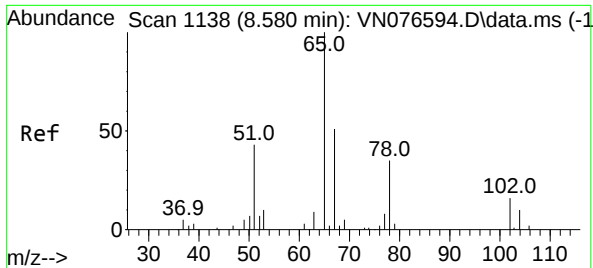
Reviewed By :John Carlone 02/10/2023
Supervised By :Semsettin Yesilyurt 02/10/2023



#26
Cyclohexane
Concen: 46.892 ug/l
RT: 8.263 min Scan# 1084
Delta R.T. -0.002 min
Lab File: VN076595.D
Acq: 09 Feb 2023 18:14

Tgt Ion: 56 Resp: 332056
Ion Ratio Lower Upper
56 100
89 0.0 0.0 0.0
84 81.6 68.4 102.6





#27

1,2-Dichloroethane-d4

Concen: 28.469 ug/l

RT: 8.580 min Scan# 1138

Delta R.T. -0.008 min

Lab File: VN076595.D

Acq: 09 Feb 2023 18:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tgt Ion: 65 Resp: 9996

Ion Ratio Lower Upper

65 100

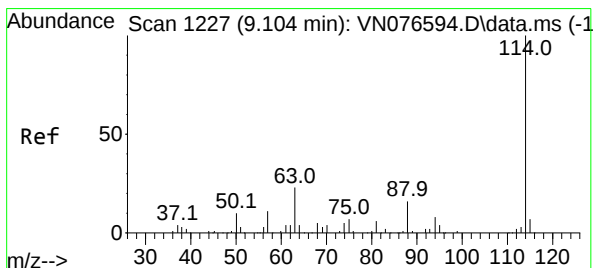
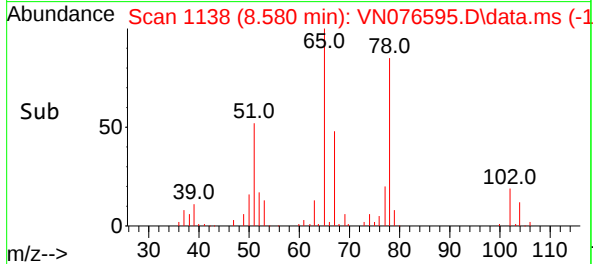
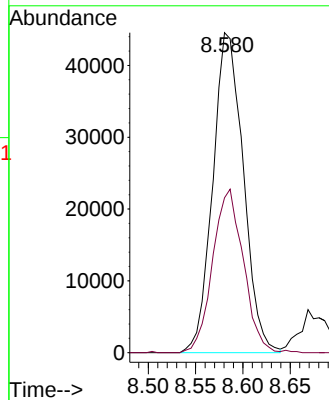
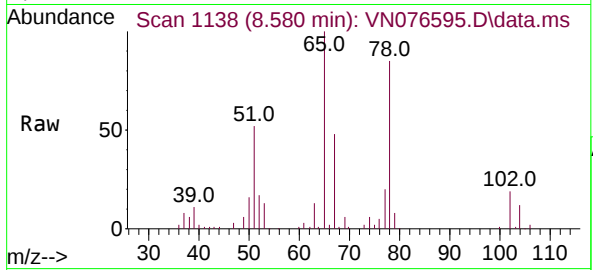
67 51.2 45.2 67.8

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: VN076595.D

Acq: 09 Feb 2023 18:14

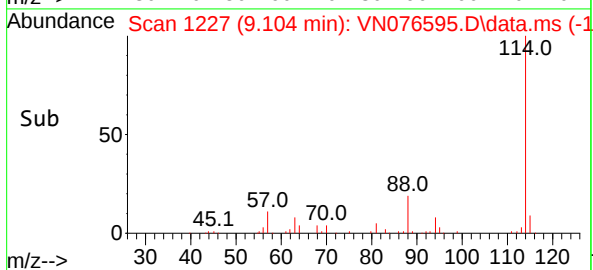
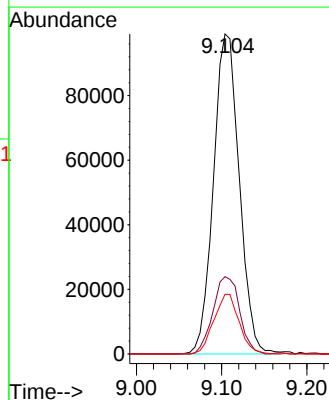
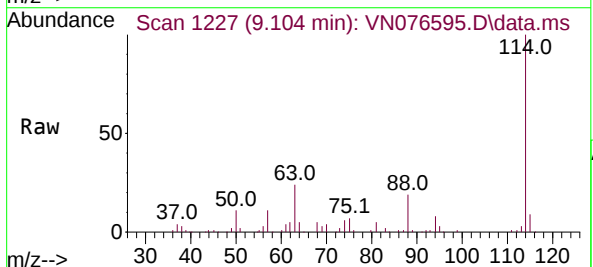
Tgt Ion:114 Resp: 208764

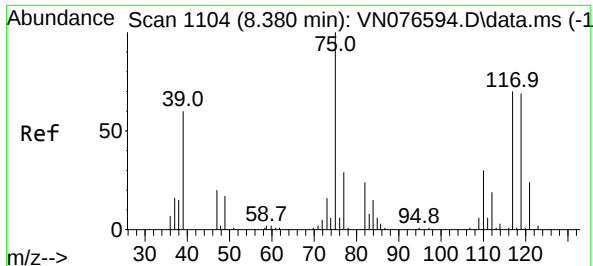
Ion Ratio Lower Upper

114 100

63 24.9 16.6 25.0

88 18.2 12.2 18.4





#29
1,1-Dichloropropene
Concen: 50.978 ug/l
RT: 8.375 min Scan# 1103
Delta R.T. -0.008 min
Lab File: VN076595.D
Acq: 09 Feb 2023 18:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC050

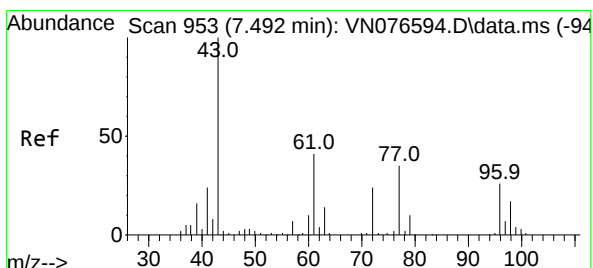
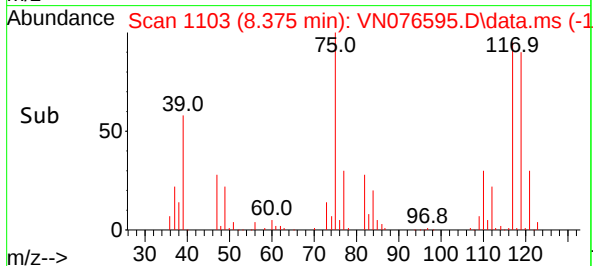
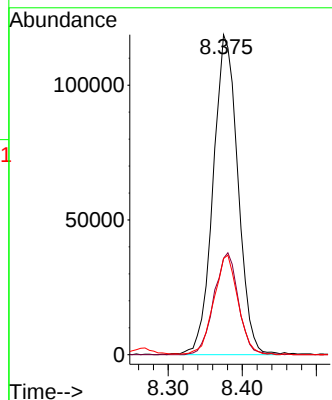
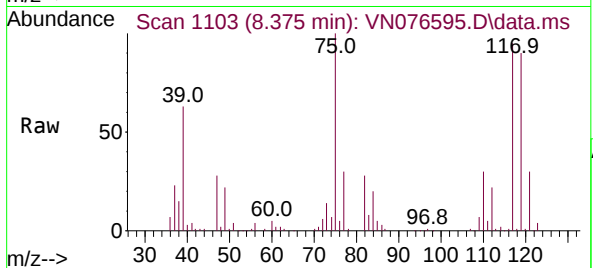
Tgt Ion: 75 Resp: 275469
Ion Ratio Lower Upper
75 100
110 31.2 0.0 72.2
77 30.5 0.0 64.0

Manual Integrations

APPROVED

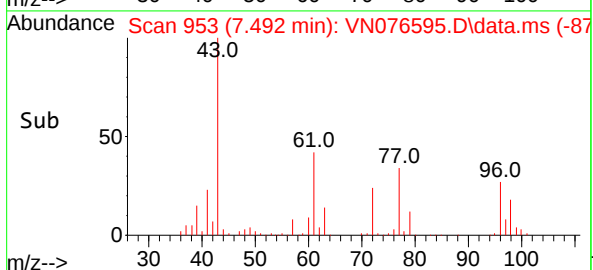
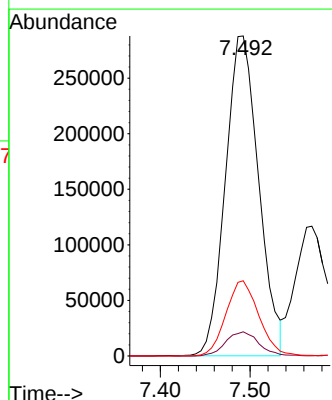
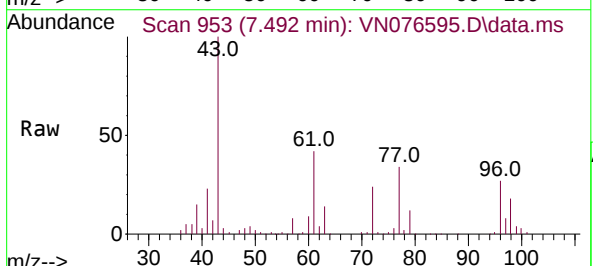
Reviewed By :John Carlone 02/10/2023

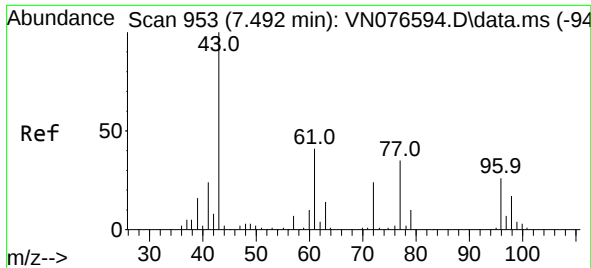
Supervised By :Semsettin Yesilyurt 02/10/2023



#30
2-Butanone
Concen: 254.164 ug/l
RT: 7.492 min Scan# 953
Delta R.T. -0.014 min
Lab File: VN076595.D
Acq: 09 Feb 2023 18:14

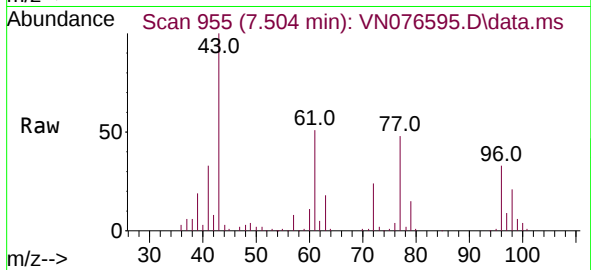
Tgt Ion: 43 Resp: 741346
Ion Ratio Lower Upper
43 100
57 7.5 6.3 9.5
72 23.4 21.0 31.4





#31
2,2-Dichloropropane
Concen: 52.456 ug/l
RT: 7.504 min Scan# 91
Delta R.T. -0.002 min
Lab File: VN076595.D
Acq: 09 Feb 2023 18:14

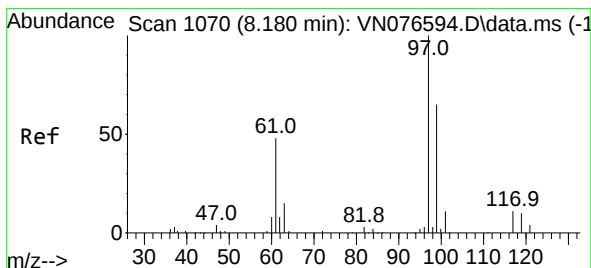
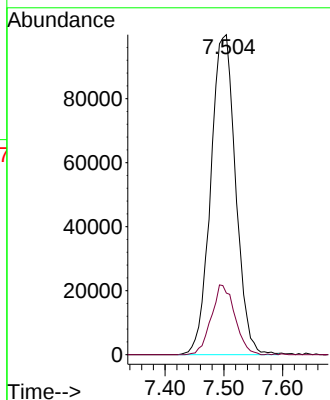
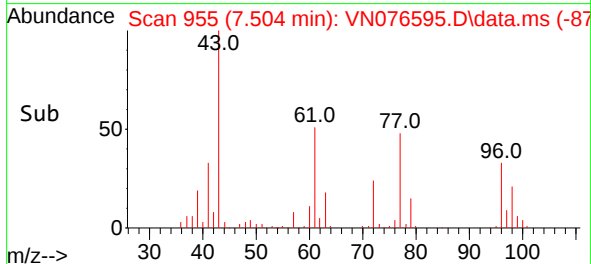
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050



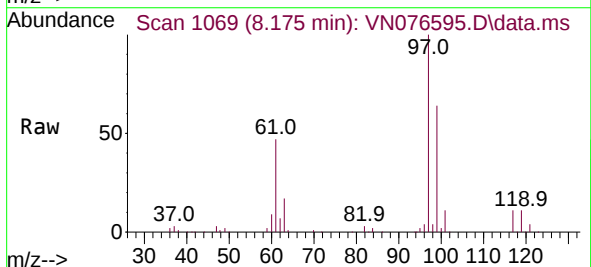
Tgt Ion: 77 Resp: 29430
Ion Ratio Lower Upper
77 100
97 20.7 18.4 27.6

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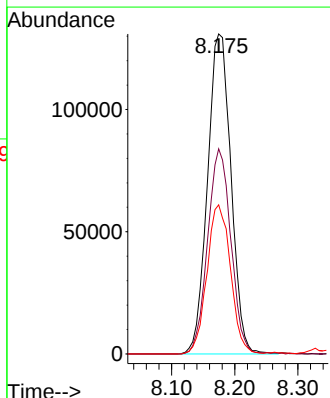
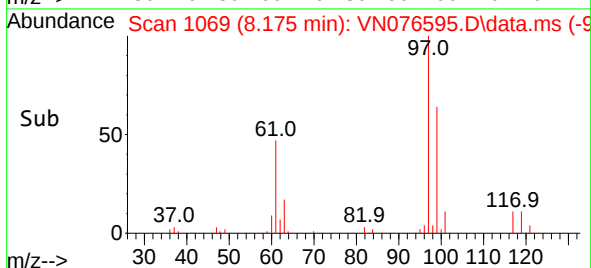
Reviewed By :John Carlone 02/10/2023
Supervised By :Semsettin Yesilyurt 02/10/2023

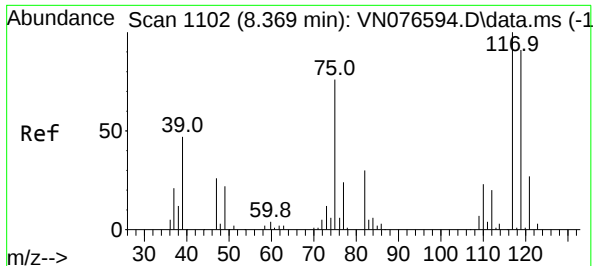


#32
1,1,1-Trichloroethane
Concen: 50.491 ug/l
RT: 8.175 min Scan# 1069
Delta R.T. -0.008 min
Lab File: VN076595.D
Acq: 09 Feb 2023 18:14



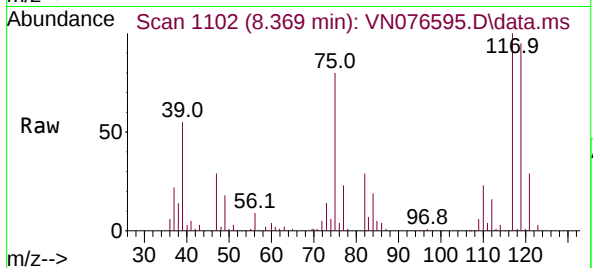
Tgt Ion: 97 Resp: 338517
Ion Ratio Lower Upper
97 100
99 63.4 50.0 75.0
61 46.8 36.1 54.1





#33
Carbon Tetrachloride
Concen: 51.259 ug/l
RT: 8.369 min Scan# 1102
Delta R.T. -0.002 min
Lab File: VN076595.D
Acq: 09 Feb 2023 18:14

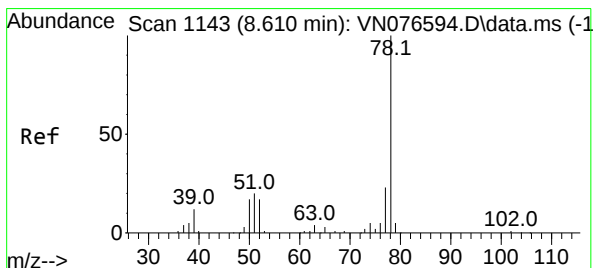
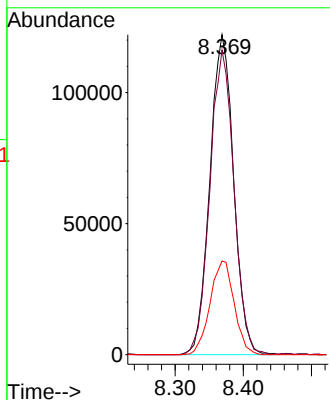
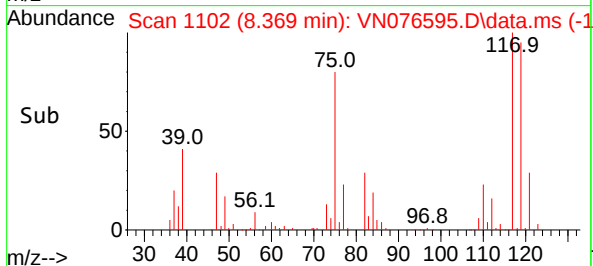
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050



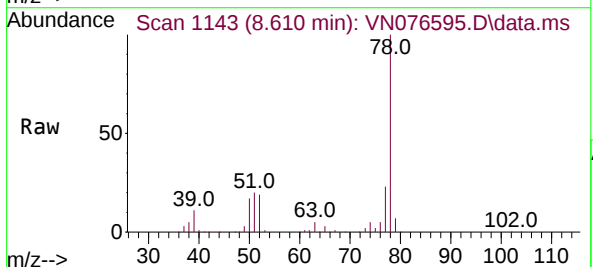
Tgt Ion:117 Resp: 296499
Ion Ratio Lower Upper
117 100
119 95.2 77.8 116.6
121 29.3 27.6 41.4

Manual Integrations
APPROVED

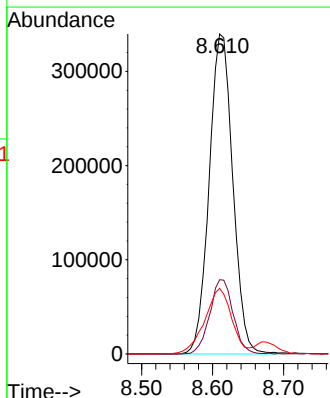
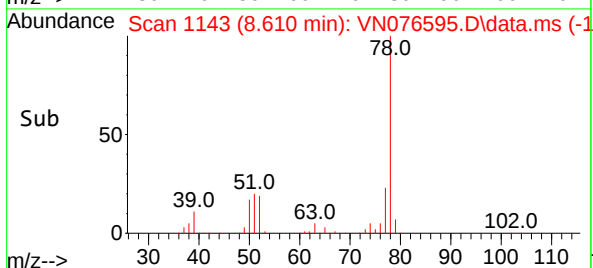
Reviewed By :John Carlone 02/10/2023
Supervised By :Semsettin Yesilyurt 02/10/2023

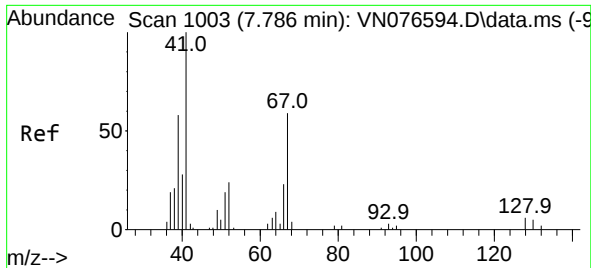


#34
Benzene
Concen: 47.182 ug/l
RT: 8.610 min Scan# 1143
Delta R.T. -0.002 min
Lab File: VN076595.D
Acq: 09 Feb 2023 18:14



Tgt Ion: 78 Resp: 783390
Ion Ratio Lower Upper
78 100
77 23.2 19.9 29.9
51 20.1 21.1 31.7#





#35
Methacrylonitrile
Concen: 53.242 ug/l
RT: 7.781 min Scan# 1002
Delta R.T. -0.013 min
Lab File: VN076595.D
Acq: 09 Feb 2023 18:14

Instrument :

MSVOA_N

ClientSampleId :

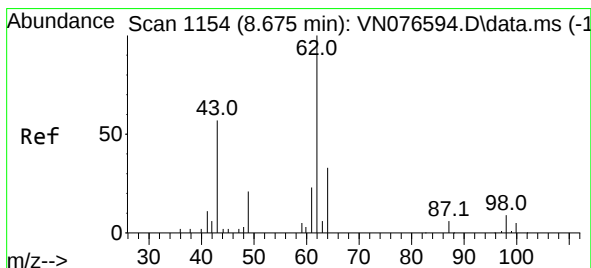
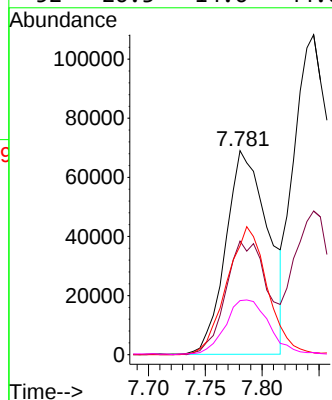
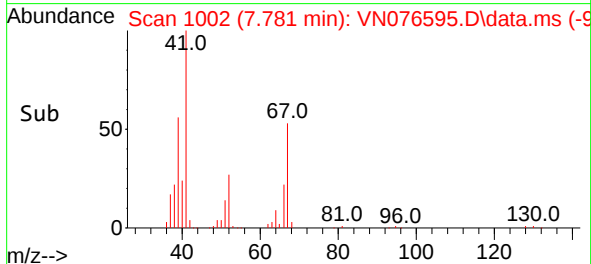
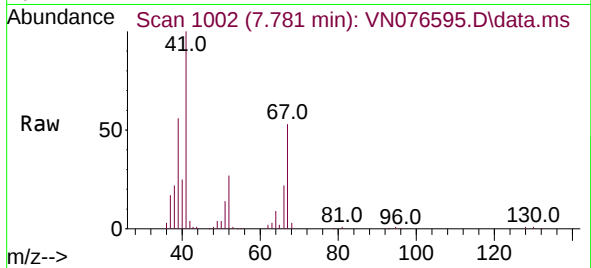
VSTDICC050

Tgt Ion: 41 Resp: 17856
Ion Ratio Lower Upper
41 100
39 55.5 27.7 83.1
67 53.5 38.0 113.9
52 26.3 14.6 44.0

Manual Integrations

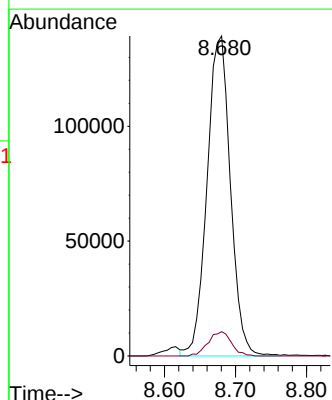
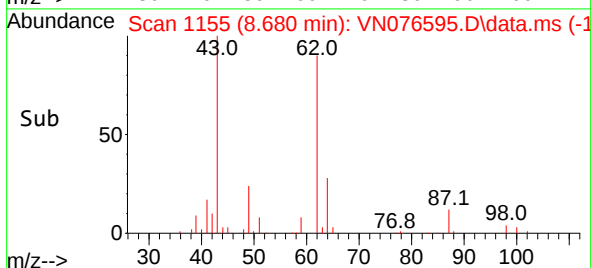
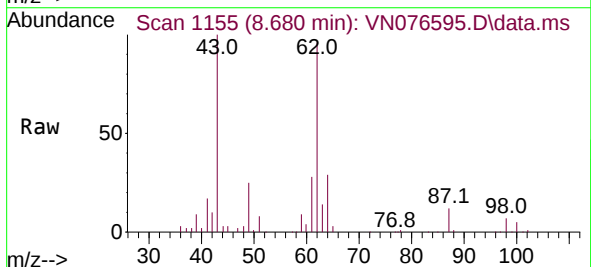
APPROVED

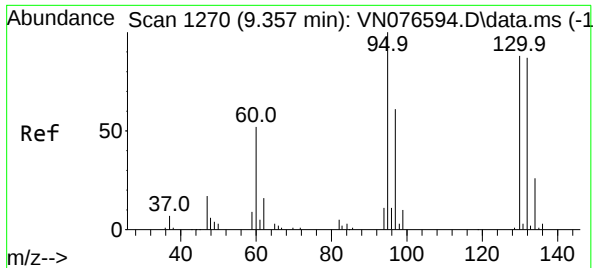
Reviewed By :John Carlone 02/10/2023
Supervised By :Semsettin Yesilyurt 02/10/2023



#36
1,2-Dichloroethane
Concen: 50.127 ug/l
RT: 8.680 min Scan# 1155
Delta R.T. -0.003 min
Lab File: VN076595.D
Acq: 09 Feb 2023 18:14

Tgt Ion: 62 Resp: 319163
Ion Ratio Lower Upper
62 100
98 7.5 7.4 11.2





#37

Trichloroethene

Concen: 52.287 ug/l

RT: 9.357 min Scan# 11

Delta R.T. -0.002 min

Lab File: VN076595.D

Acq: 09 Feb 2023 18:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC050

Tgt Ion:130 Resp: 177749

Ion Ratio Lower Upper

130 100

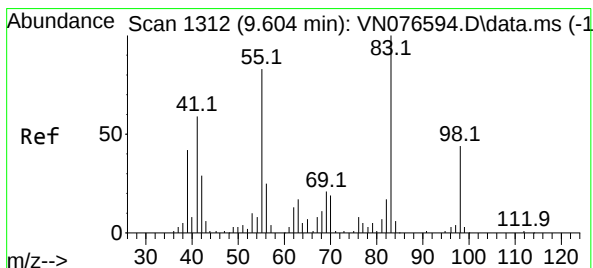
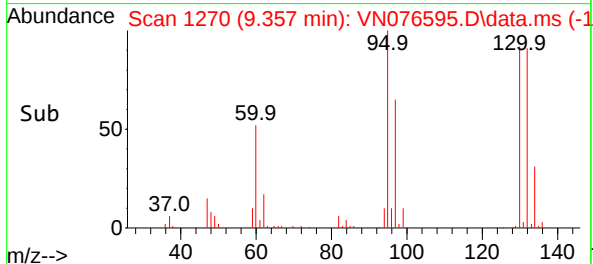
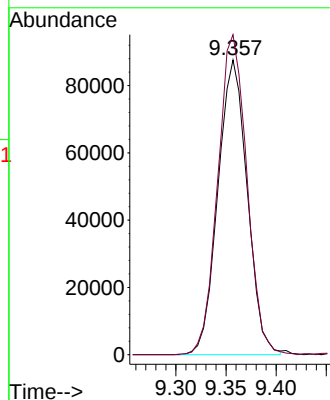
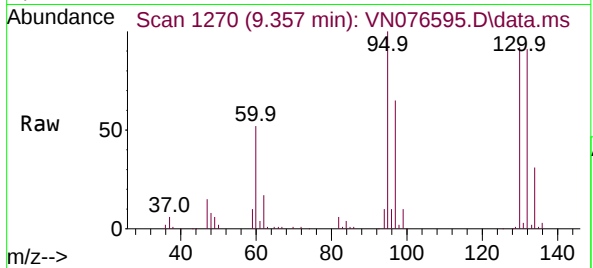
95 108.4 75.9 113.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/10/2023

Supervised By :Semsettin Yesilyurt 02/10/2023



#38

Methylcyclohexane

Concen: 54.681 ug/l

RT: 9.604 min Scan# 1312

Delta R.T. -0.002 min

Lab File: VN076595.D

Acq: 09 Feb 2023 18:14

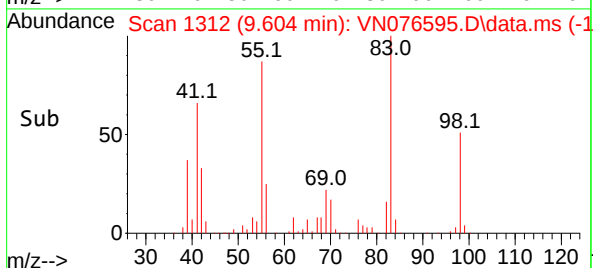
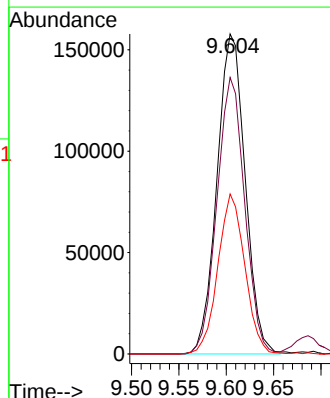
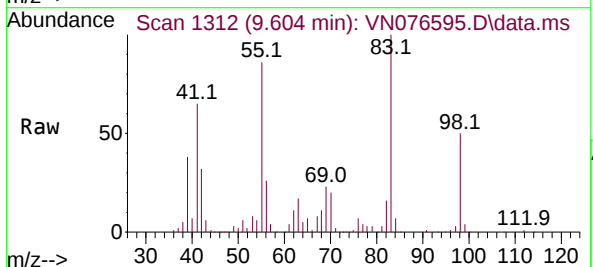
Tgt Ion: 83 Resp: 327051

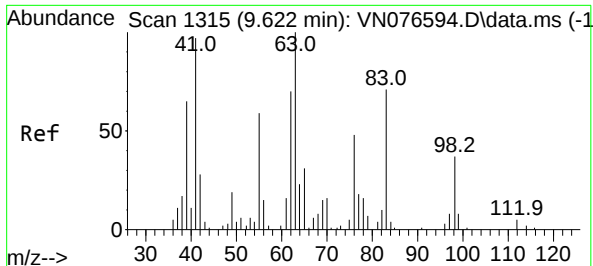
Ion Ratio Lower Upper

83 100

55 85.1 37.4 112.2

98 47.8 24.5 73.5





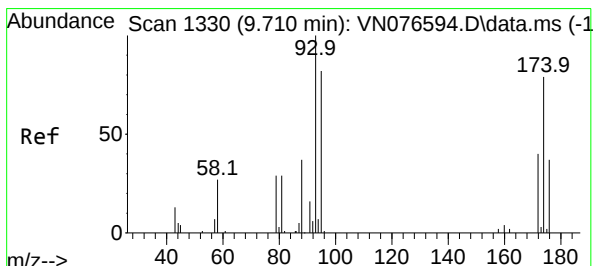
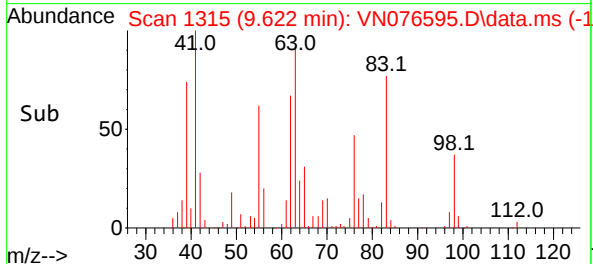
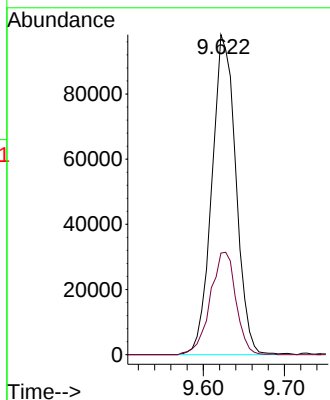
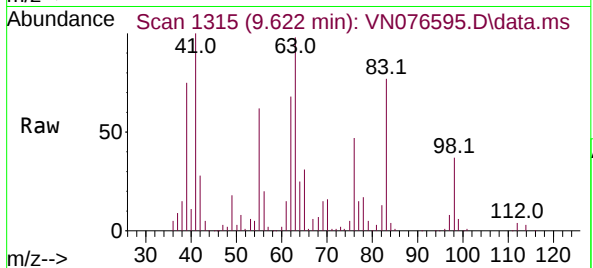
#39
1,2-Dichloropropane
Concen: 50.945 ug/l
RT: 9.622 min Scan# 1315
Delta R.T. -0.008 min
Lab File: VN076595.D
Acq: 09 Feb 2023 18:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Tgt Ion: 63 Resp: 201859
Ion Ratio Lower Upper
63 100
65 31.8 25.0 37.6

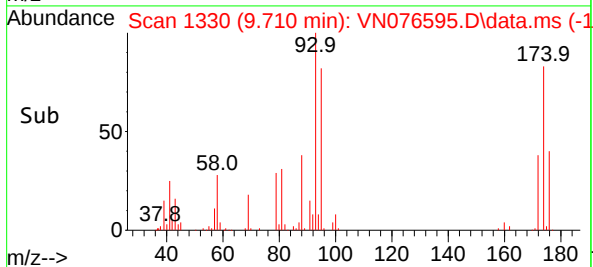
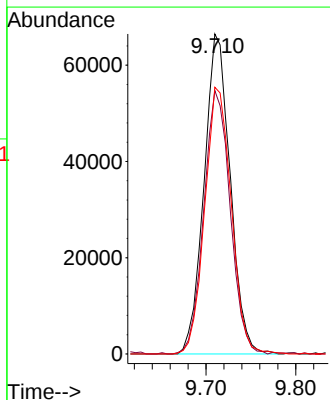
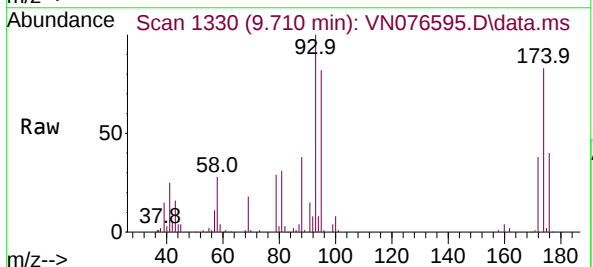
Manual Integrations
APPROVED

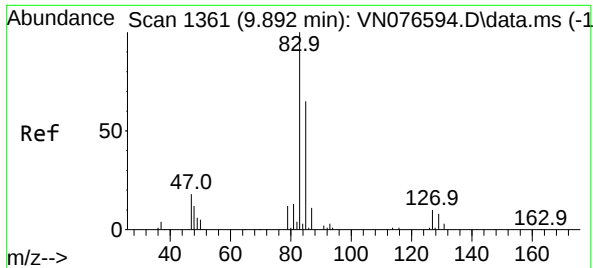
Reviewed By :John Carlone 02/10/2023
Supervised By :Semsettin Yesilyurt 02/10/2023



#40
Dibromomethane
Concen: 51.579 ug/l
RT: 9.710 min Scan# 1330
Delta R.T. -0.002 min
Lab File: VN076595.D
Acq: 09 Feb 2023 18:14

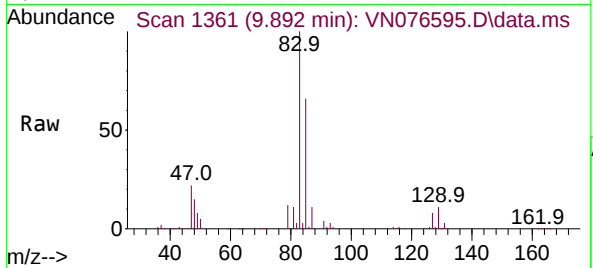
Tgt Ion: 93 Resp: 134450
Ion Ratio Lower Upper
93 100
95 83.1 0.0 168.0
174 84.6 0.0 158.4





#41
Bromodichloromethane
Concen: 52.743 ug/l
RT: 9.892 min Scan# 1361
Delta R.T. 0.004 min
Lab File: VN076595.D
Acq: 09 Feb 2023 18:14

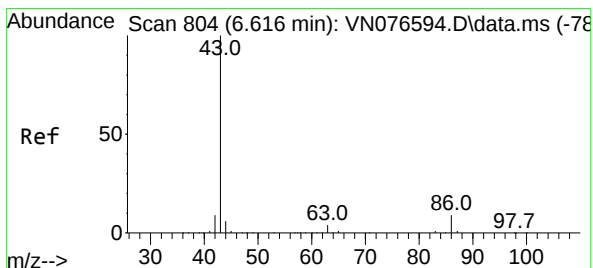
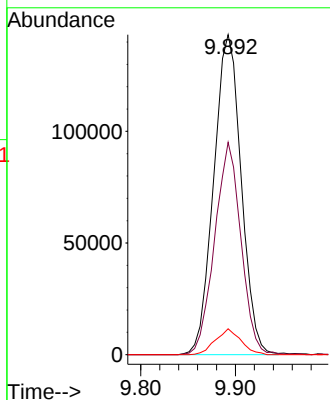
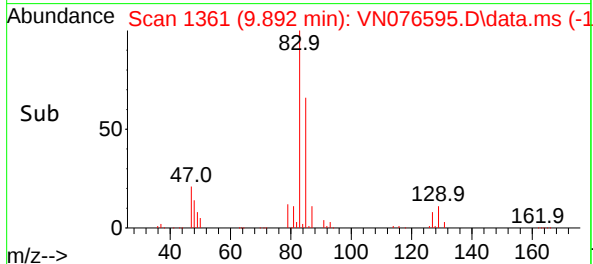
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050



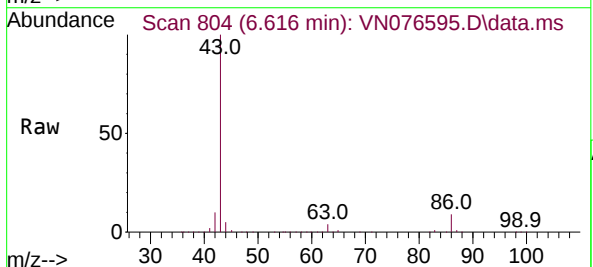
Tgt Ion: 83 Resp: 289079
Ion Ratio Lower Upper
83 100
85 66.3 50.2 75.4
127 8.1 5.1 7.7

Manual Integrations
APPROVED

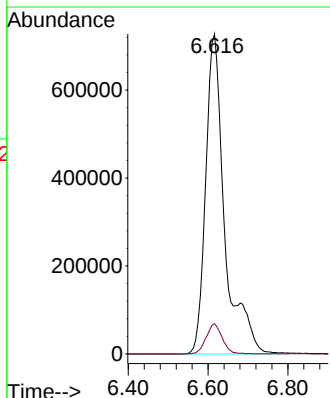
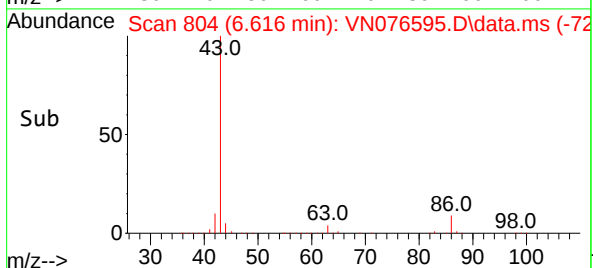
Reviewed By :John Carlone 02/10/2023
Supervised By :Semsettin Yesilyurt 02/10/2023

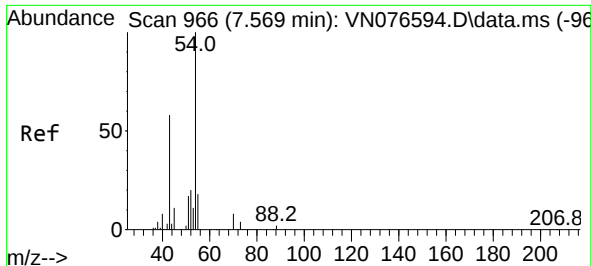


#42
Vinyl Acetate
Concen: 253.731 ug/l m
RT: 6.616 min Scan# 804
Delta R.T. -0.008 min
Lab File: VN076595.D
Acq: 09 Feb 2023 18:14



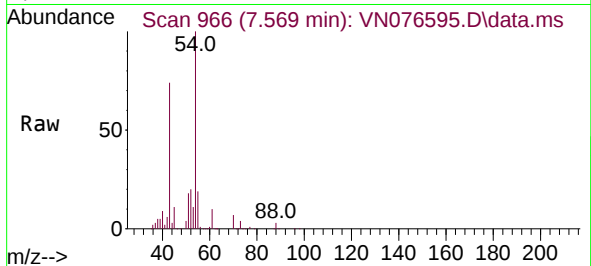
Tgt Ion: 43 Resp: 2405881
Ion Ratio Lower Upper
43 100
86 7.9 7.5 11.3





#43
Ethyl Acetate
Concen: 50.043 ug/l
RT: 7.569 min Scan# 90
Delta R.T. -0.014 min
Lab File: VN076595.D
Acq: 09 Feb 2023 18:14

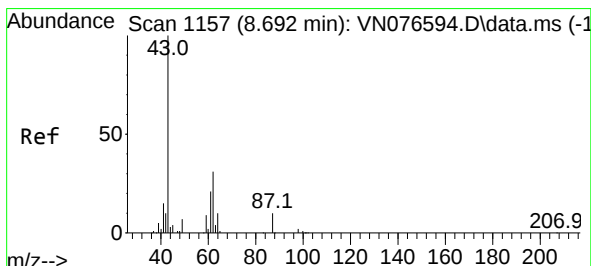
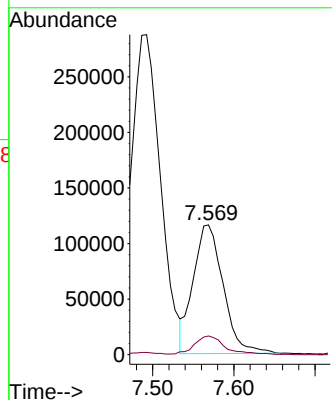
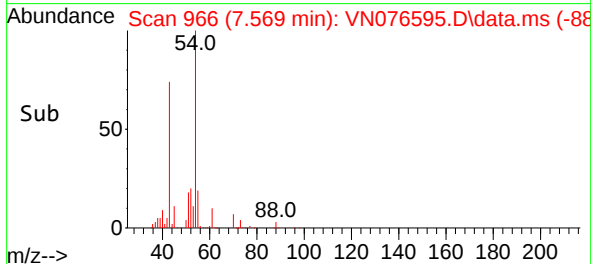
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050



Tgt Ion: 43 Resp: 29760
Ion Ratio Lower Upper
43 100
45 14.3 11.5 17.3

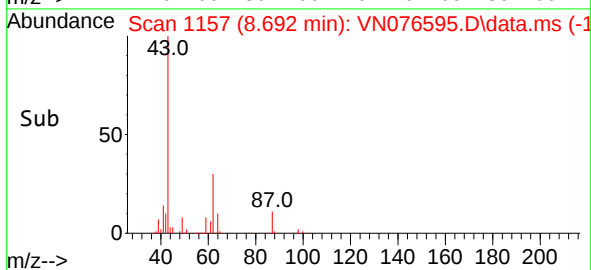
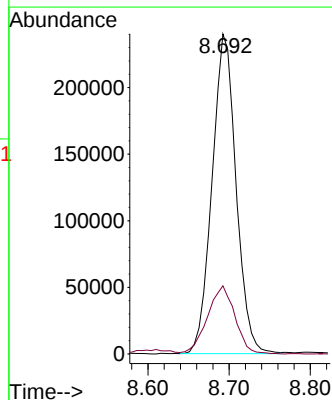
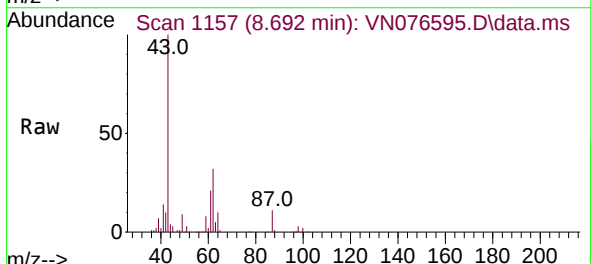
Manual Integrations
APPROVED

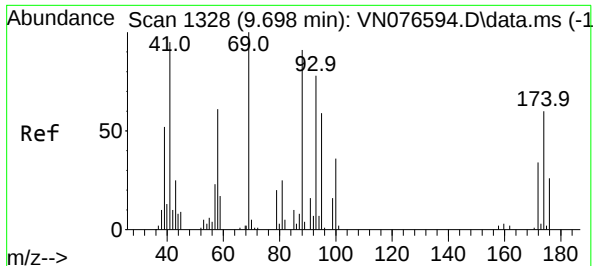
Reviewed By :John Carlone 02/10/2023
Supervised By :Semsettin Yesilyurt 02/10/2023



#44
Isopropyl Acetate
Concen: 50.490 ug/l
RT: 8.692 min Scan# 1157
Delta R.T. -0.002 min
Lab File: VN076595.D
Acq: 09 Feb 2023 18:14

Tgt Ion: 43 Resp: 493962
Ion Ratio Lower Upper
43 100
61 24.4 19.5 29.3





#45

1,4-Dioxane

Concen: 1008.715 ug/l

RT: 9.692 min Scan# 1327

Delta R.T. -0.008 min

Lab File: VN076595.D

Acq: 09 Feb 2023 18:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC050

Tgt Ion: 88 Resp: 80448

Ion Ratio Lower Upper

88 100

43 34.0 25.7 38.5

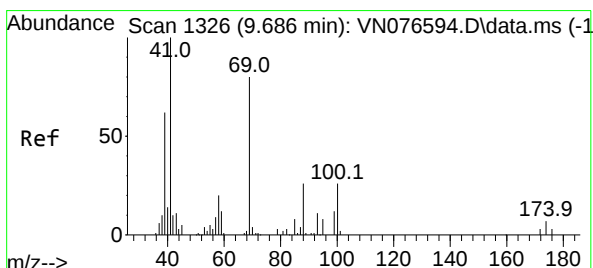
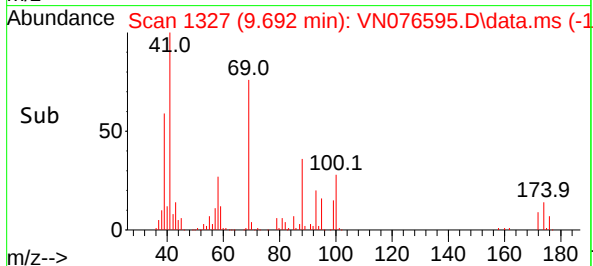
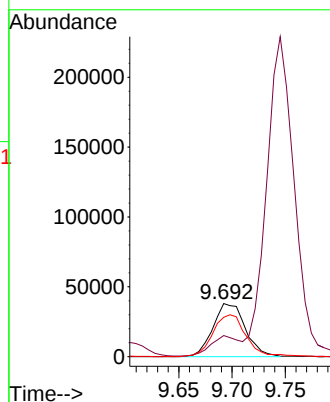
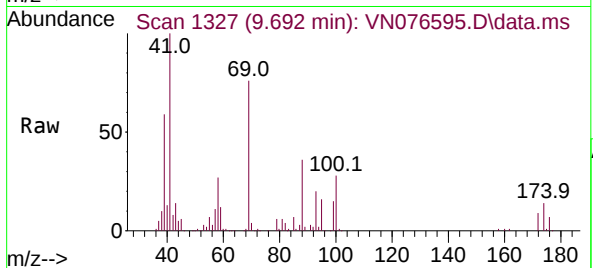
58 79.1 53.4 80.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/10/2023

Supervised By :Semsettin Yesilyurt 02/10/2023



#46

Methyl methacrylate

Concen: 52.840 ug/l

RT: 9.686 min Scan# 1326

Delta R.T. -0.002 min

Lab File: VN076595.D

Acq: 09 Feb 2023 18:14

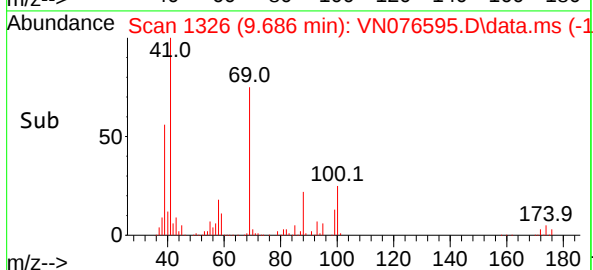
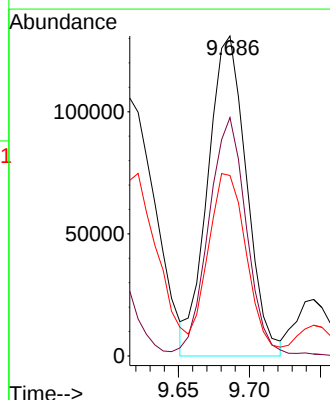
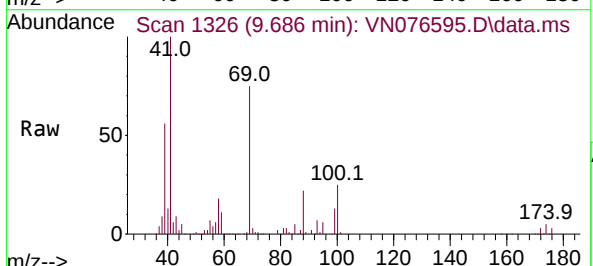
Tgt Ion: 41 Resp: 249254

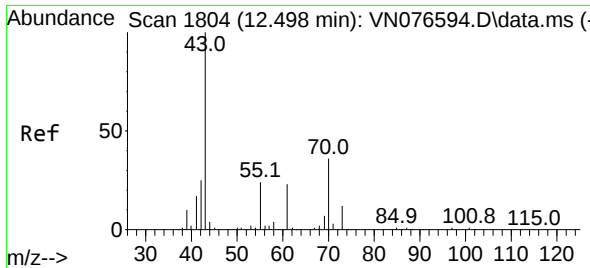
Ion Ratio Lower Upper

41 100

69 76.1 45.6 136.7

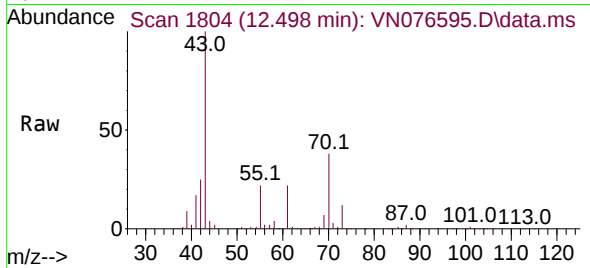
39 56.2 32.3 96.9





#47
n-amy1 Acetate
Concen: 53.177 ug/l
RT: 12.498 min Scan# 1804
Delta R.T. -0.002 min
Lab File: VN076595.D
Acq: 09 Feb 2023 18:14

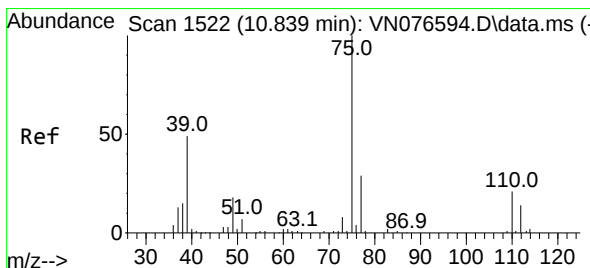
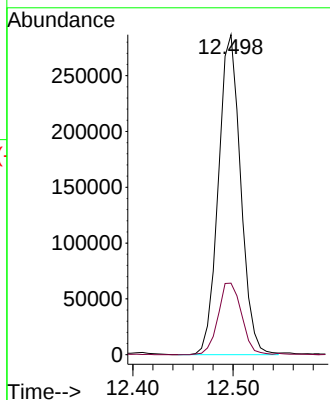
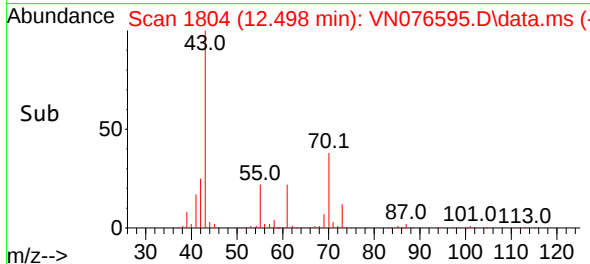
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050



Tgt Ion: 43 Resp: 44221
Ion Ratio Lower Upper
43 100
55 23.6 16.8 25.2

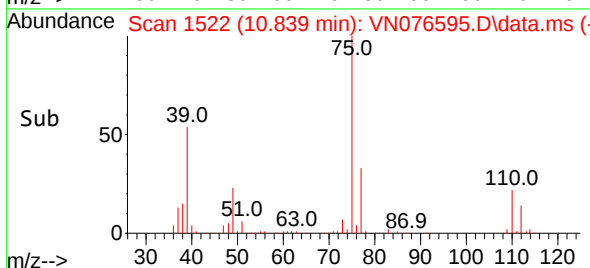
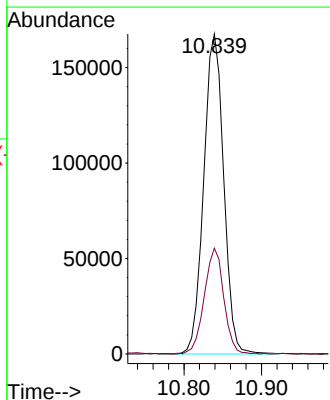
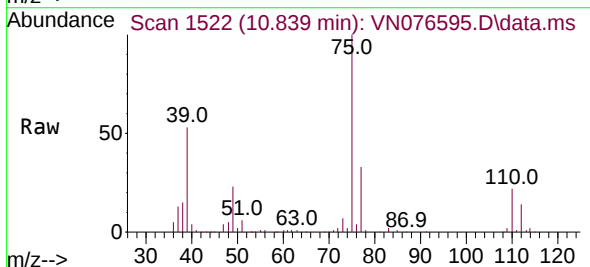
Manual Integrations
APPROVED

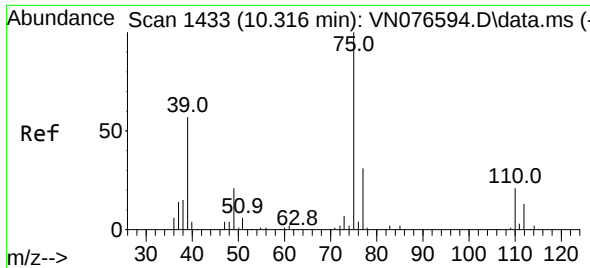
Reviewed By :John Carlone 02/10/2023
Supervised By :Semsettin Yesilyurt 02/10/2023



#48
t-1,3-Dichloropropene
Concen: 54.308 ug/l
RT: 10.839 min Scan# 1522
Delta R.T. -0.002 min
Lab File: VN076595.D
Acq: 09 Feb 2023 18:14

Tgt Ion: 75 Resp: 299624
Ion Ratio Lower Upper
75 100
77 32.9 25.8 38.8





#49

cis-1,3-Dichloropropene

Concen: 53.103 ug/l

RT: 10.316 min Scan# 1433

Delta R.T. -0.002 min

Lab File: VN076595.D

Acq: 09 Feb 2023 18:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC050

Tgt Ion: 75 Resp: 323874

Ion Ratio Lower Upper

75 100

77 34.1 22.5 33.7

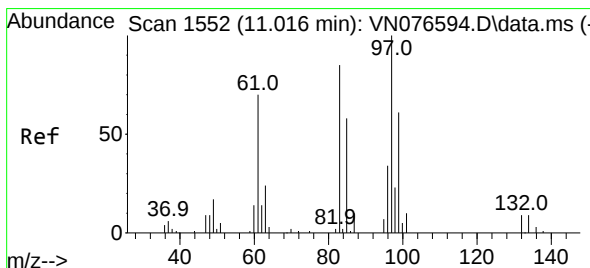
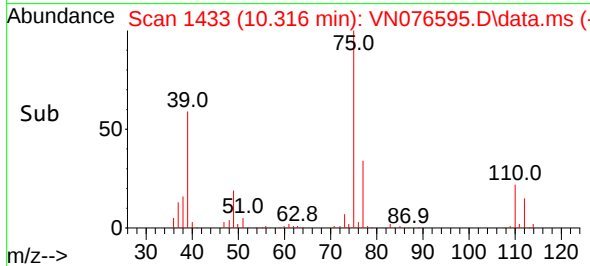
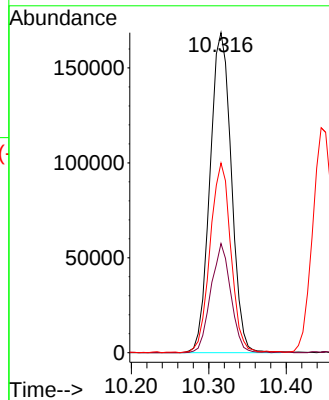
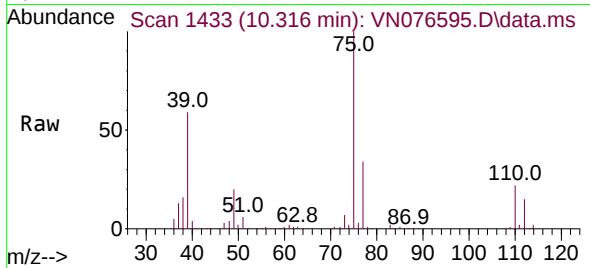
39 59.2 37.6 56.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/10/2023

Supervised By :Semsettin Yesilyurt 02/10/2023



#50

1,1,2-Trichloroethane

Concen: 51.943 ug/l

RT: 11.022 min Scan# 1553

Delta R.T. 0.003 min

Lab File: VN076595.D

Acq: 09 Feb 2023 18:14

Tgt Ion: 97 Resp: 183883

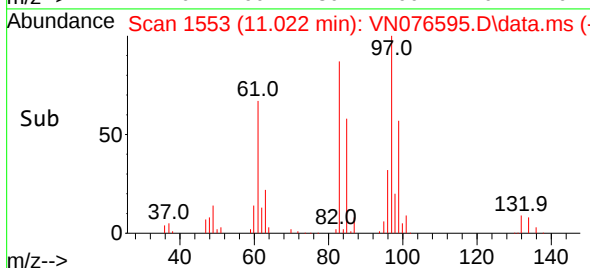
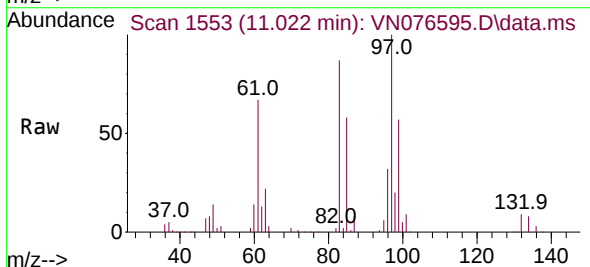
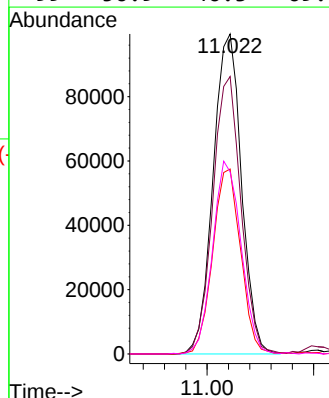
Ion Ratio Lower Upper

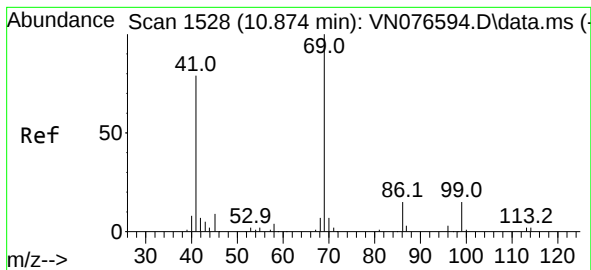
97 100

83 86.5 69.2 103.8

85 57.6 41.4 62.2

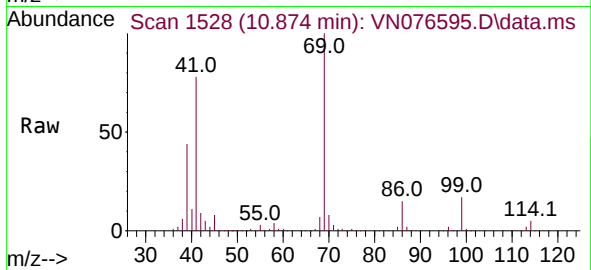
99 56.9 46.3 69.5





#51
Ethyl methacrylate
Concen: 55.695 ug/l
RT: 10.874 min Scan# 1528
Delta R.T. -0.003 min
Lab File: VN076595.D
Acq: 09 Feb 2023 18:14

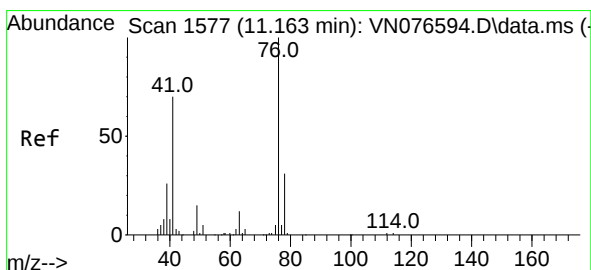
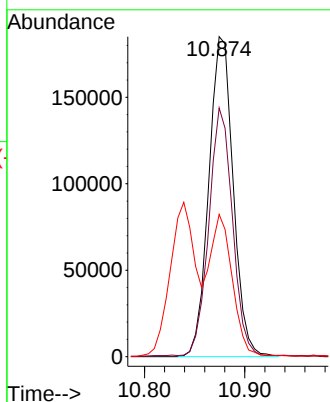
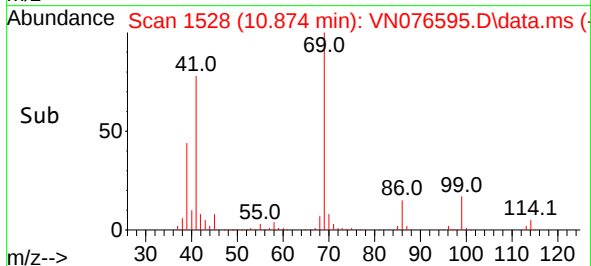
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050



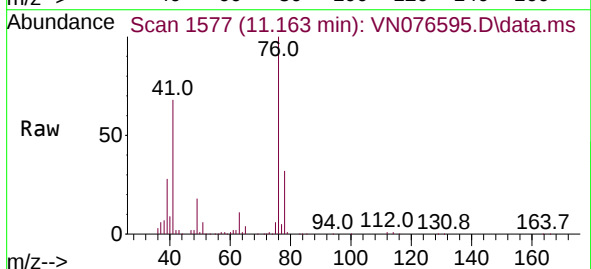
Tgt Ion: 69 Resp: 313070
Ion Ratio Lower Upper
69 100
41 77.4 32.5 97.5
39 44.0 21.5 64.5

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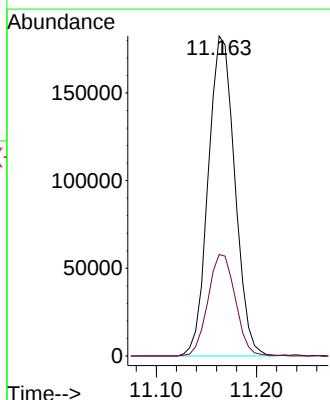
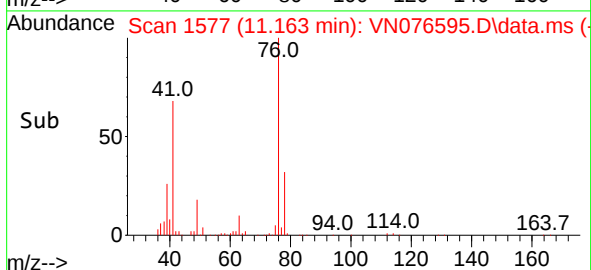
Reviewed By :John Carlone 02/10/2023
Supervised By :Semsettin Yesilyurt 02/10/2023

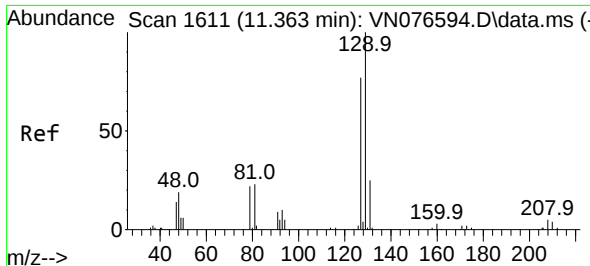


#52
1,3-Dichloropropane
Concen: 50.978 ug/l
RT: 11.163 min Scan# 1577
Delta R.T. -0.002 min
Lab File: VN076595.D
Acq: 09 Feb 2023 18:14



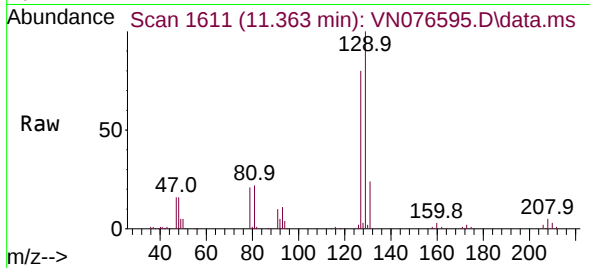
Tgt Ion: 76 Resp: 336400
Ion Ratio Lower Upper
76 100
78 32.6 0.0 63.8





#53
Dibromochloromethane
Concen: 54.380 ug/l
RT: 11.363 min Scan# 1611
Delta R.T. -0.002 min
Lab File: VN076595.D
Acq: 09 Feb 2023 18:14

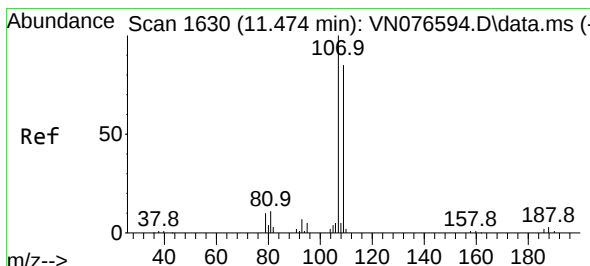
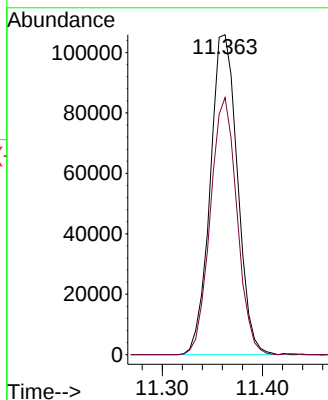
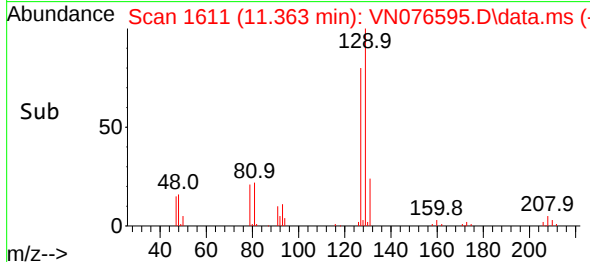
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050



Tgt Ion:129 Resp: 200039
Ion Ratio Lower Upper
129 100
127 78.4 40.6 121.7

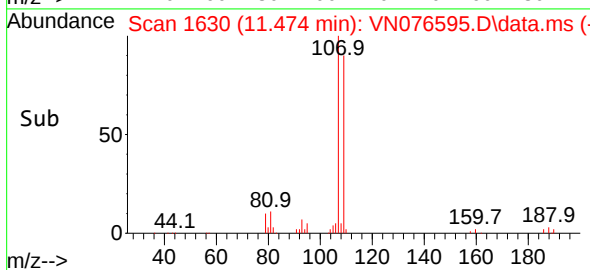
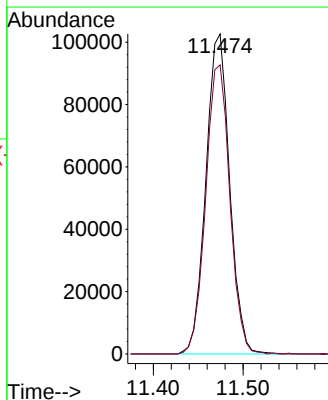
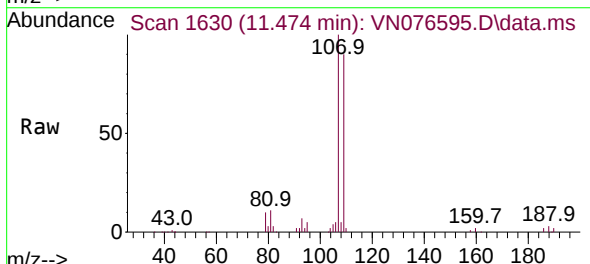
Manual Integrations
APPROVED

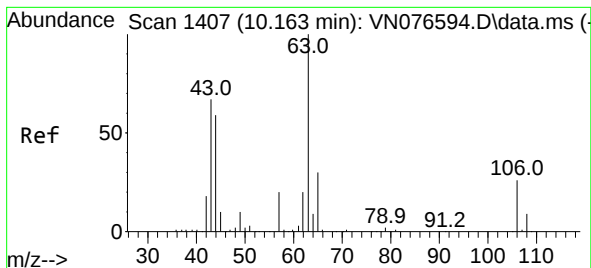
Reviewed By :John Carlone 02/10/2023
Supervised By :Semsettin Yesilyurt 02/10/2023



#54
1,2-Dibromoethane
Concen: 52.695 ug/l
RT: 11.474 min Scan# 1630
Delta R.T. 0.003 min
Lab File: VN076595.D
Acq: 09 Feb 2023 18:14

Tgt Ion:107 Resp: 188765
Ion Ratio Lower Upper
107 100
109 91.5 76.2 114.2





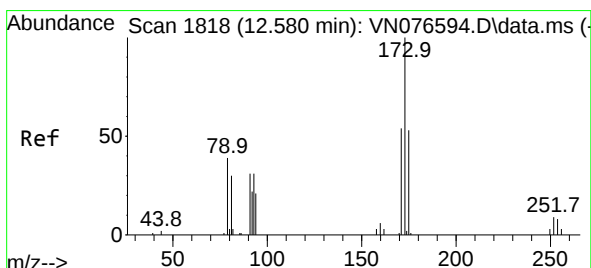
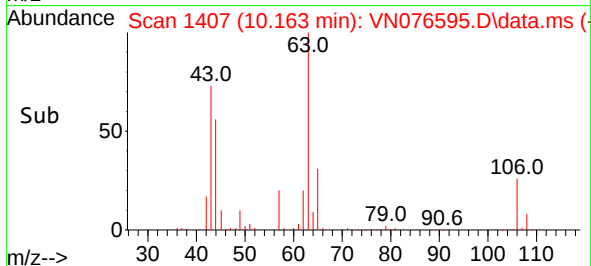
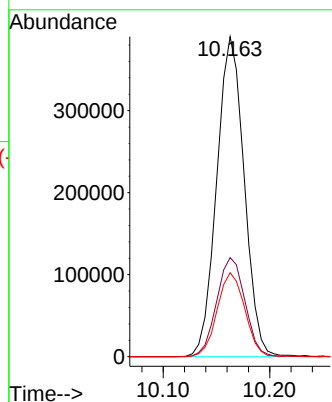
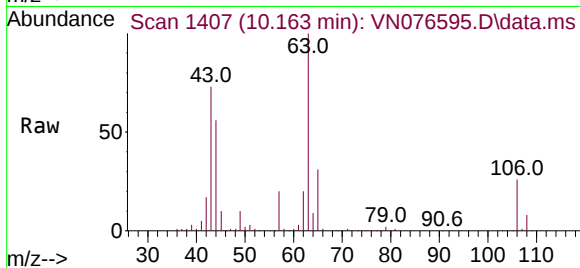
#55
2-Chloroethyl vinyl ether
Concen: 271.706 ug/l
RT: 10.163 min Scan# 1407
Delta R.T. -0.002 min
Lab File: VN076595.D
Acq: 09 Feb 2023 18:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Tgt Ion: 63 Resp: 697630
Ion Ratio Lower Upper
63 100
65 31.9 24.6 36.8
106 26.3 21.3 31.9

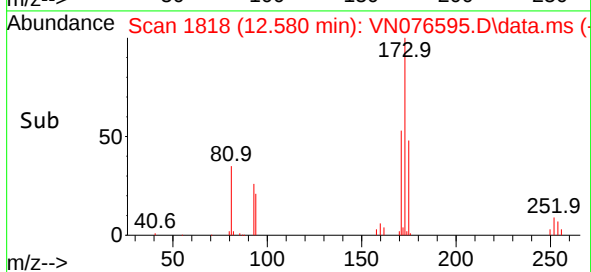
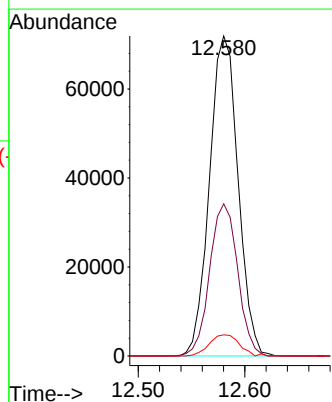
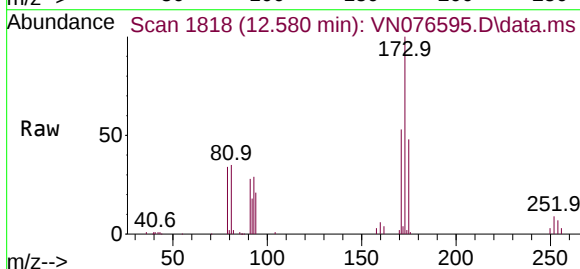
Manual Integrations
APPROVED

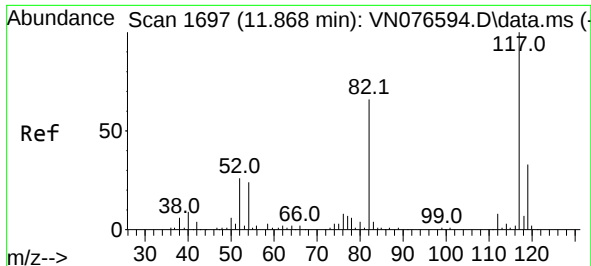
Reviewed By :John Carlone 02/10/2023
Supervised By :Semsettin Yesilyurt 02/10/2023



#56
Bromoform
Concen: 56.560 ug/l
RT: 12.580 min Scan# 1818
Delta R.T. 0.004 min
Lab File: VN076595.D
Acq: 09 Feb 2023 18:14

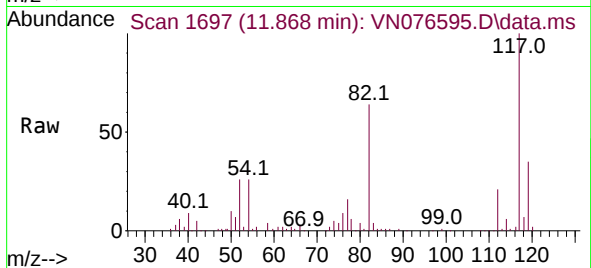
Tgt Ion:173 Resp: 133998
Ion Ratio Lower Upper
173 100
175 46.5 39.1 58.7
254 6.9 7.0 10.6#





#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.868 min Scan# 117
Delta R.T. -0.003 min
Lab File: VN076595.D
Acq: 09 Feb 2023 18:14

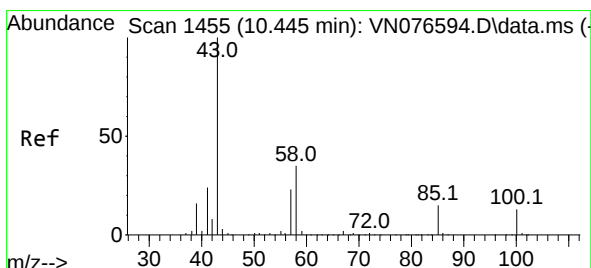
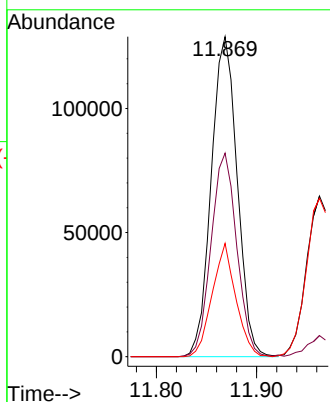
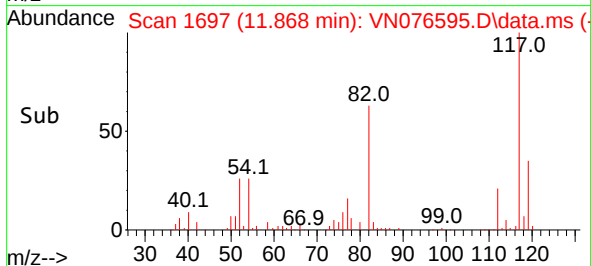
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050



Tgt Ion:117 Resp: 23156
Ion Ratio Lower Upper
117 100
82 62.9 44.6 67.0
119 32.2 25.6 38.4

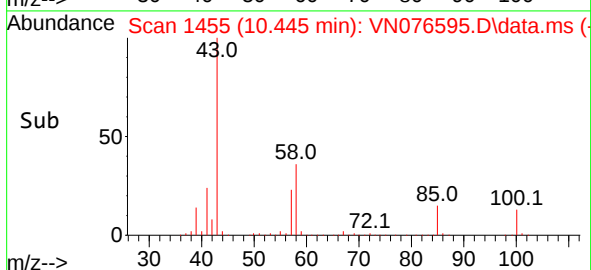
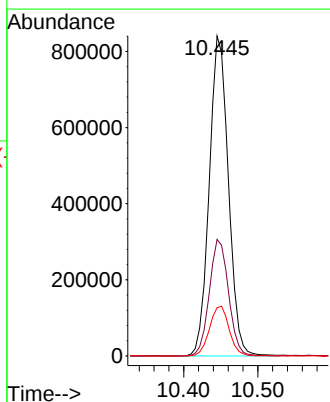
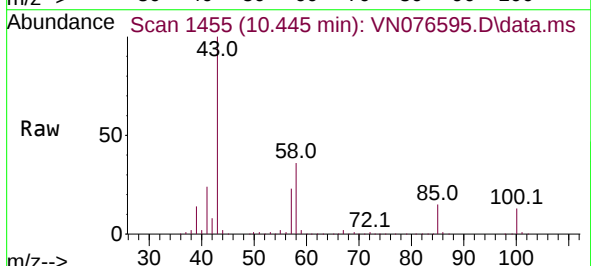
Manual Integrations
APPROVED

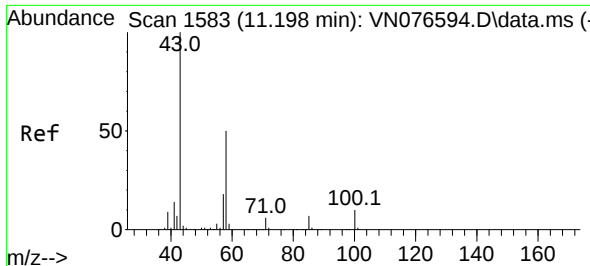
Reviewed By :John Carlone 02/10/2023
Supervised By :Semsettin Yesilyurt 02/10/2023



#58
4-Methyl-2-Pentanone
Concen: 232.873 ug/l
RT: 10.445 min Scan# 1455
Delta R.T. -0.002 min
Lab File: VN076595.D
Acq: 09 Feb 2023 18:14

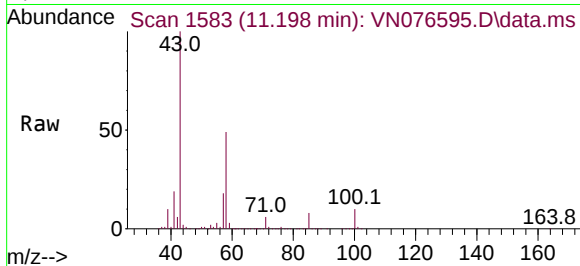
Tgt Ion: 43 Resp: 1507468
Ion Ratio Lower Upper
43 100
58 36.5 30.8 46.2
85 16.0 13.3 19.9





#59
2-Hexanone
Concen: 239.621 ug/l
RT: 11.198 min Scan# 1583
Delta R.T. -0.002 min
Lab File: VN076595.D
Acq: 09 Feb 2023 18:14

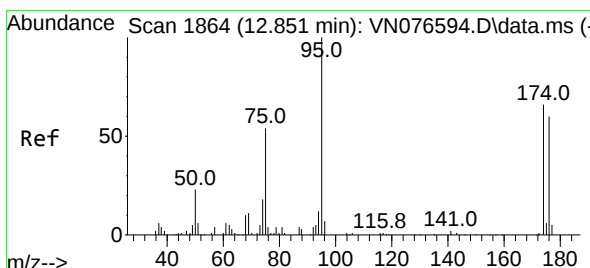
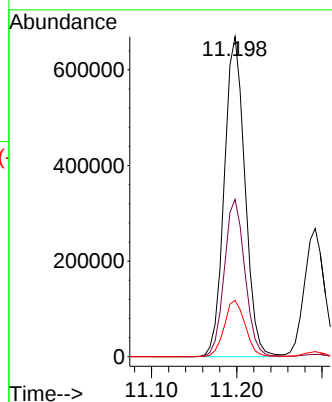
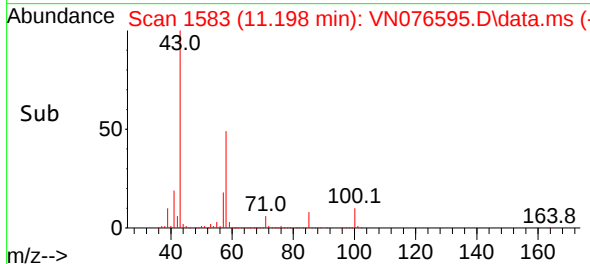
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050



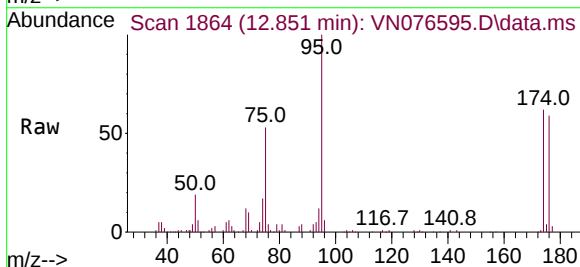
Tgt Ion: 43 Resp: 112781
Ion Ratio Lower Upper
43 100
58 49.0 43.6 65.4
57 17.9 14.3 21.5

Manual Integrations
APPROVED

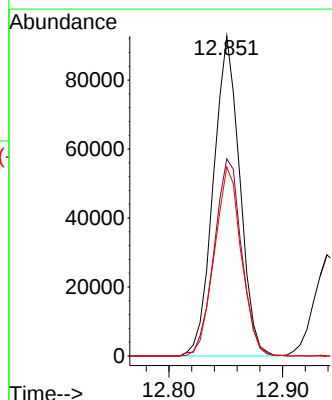
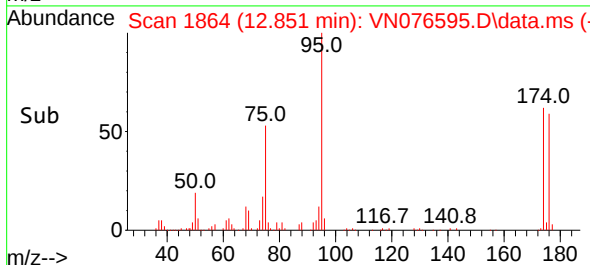
Reviewed By :John Carlone 02/10/2023
Supervised By :Semsettin Yesilyurt 02/10/2023

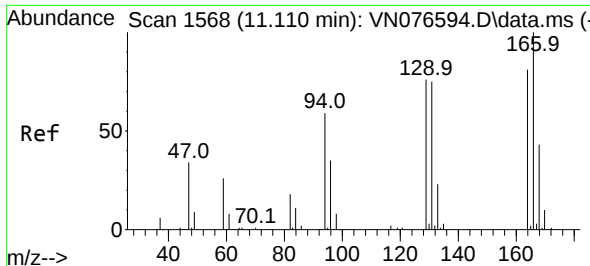


#60
4-Bromofluorobenzene
Concen: 28.598 ug/l
RT: 12.851 min Scan# 1864
Delta R.T. -0.002 min
Lab File: VN076595.D
Acq: 09 Feb 2023 18:14



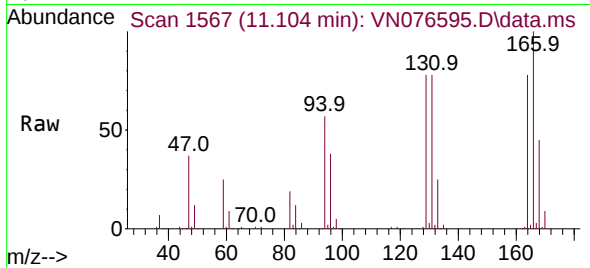
Tgt Ion: 95 Resp: 149504
Ion Ratio Lower Upper
95 100
174 64.1 57.8 86.8
176 60.5 57.0 85.4





#61
Tetrachloroethene
Concen: 48.702 ug/l
RT: 11.104 min Scan# 1567
Delta R.T. -0.002 min
Lab File: VN076595.D
Acq: 09 Feb 2023 18:14

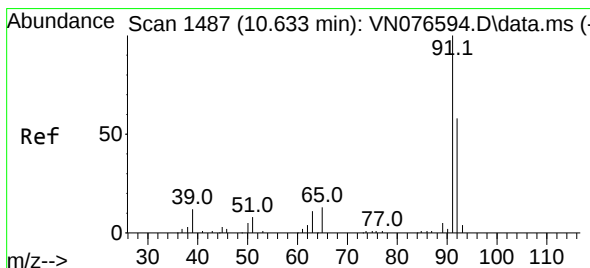
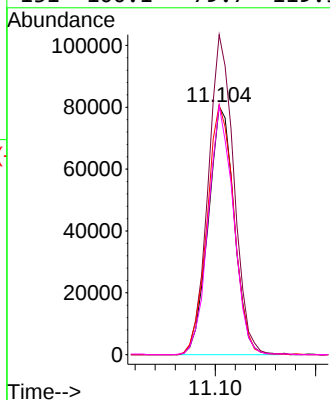
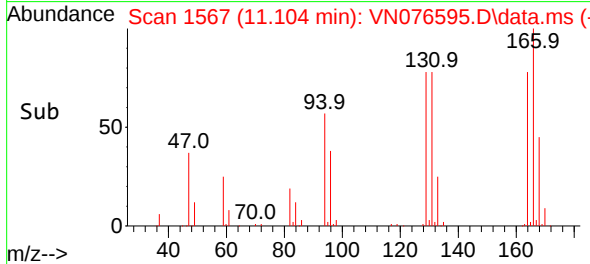
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050



Tgt Ion:164 Resp: 14416
Ion Ratio Lower Upper
164 100
166 128.9 99.6 149.4
129 100.7 84.0 126.0
131 100.1 79.7 119.5

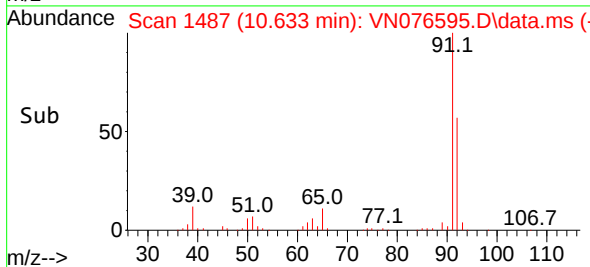
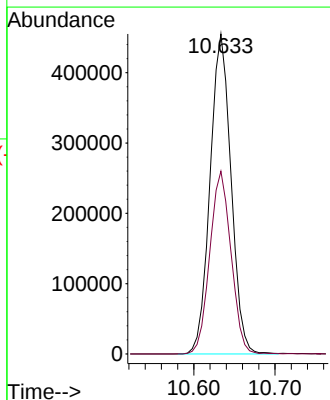
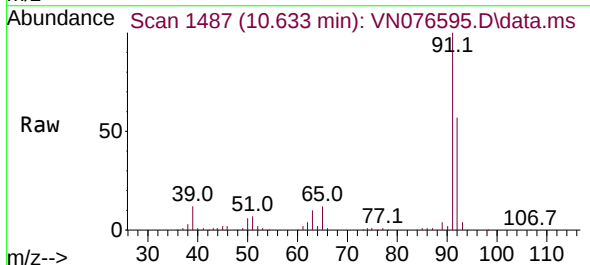
Manual Integrations
APPROVED

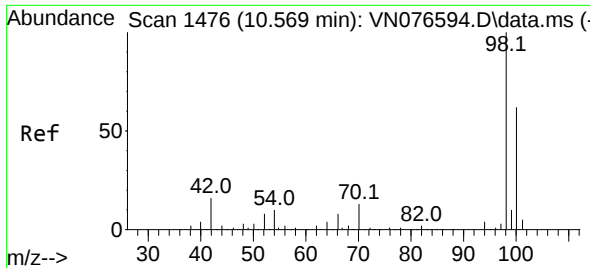
Reviewed By :John Carlone 02/10/2023
Supervised By :Semsettin Yesilyurt 02/10/2023



#62
Toluene
Concen: 47.611 ug/l
RT: 10.633 min Scan# 1487
Delta R.T. -0.002 min
Lab File: VN076595.D
Acq: 09 Feb 2023 18:14

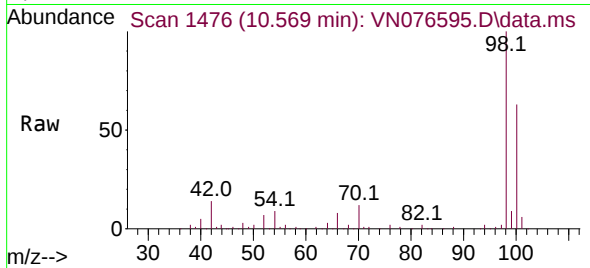
Tgt Ion: 91 Resp: 817407
Ion Ratio Lower Upper
91 100
92 57.6 46.0 69.0





#63
Toluene-d8
Concen: 29.248 ug/l
RT: 10.569 min Scan# 1476
Delta R.T. -0.002 min
Lab File: VN076595.D
Acq: 09 Feb 2023 18:14

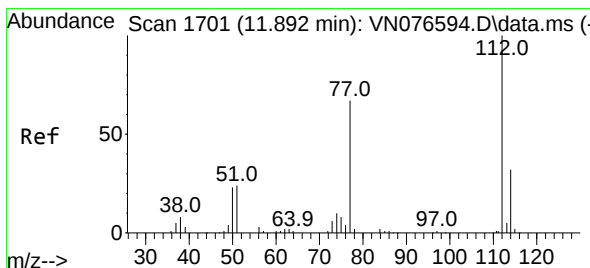
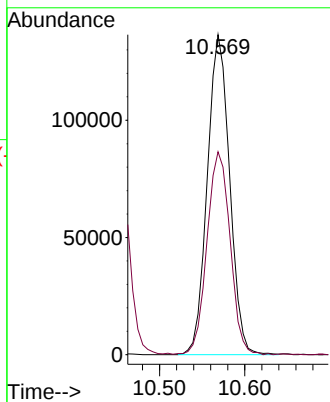
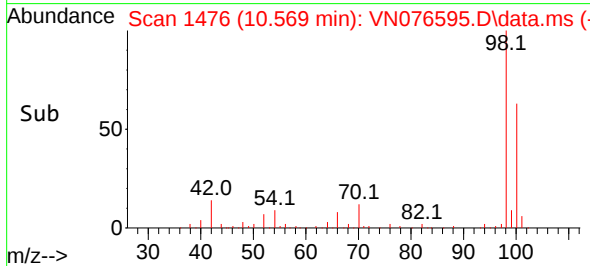
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050



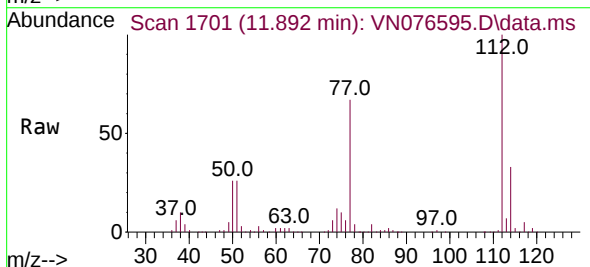
Tgt Ion: 98 Resp: 248684
Ion Ratio Lower Upper
98 100
100 65.5 52.7 79.1

Manual Integrations
APPROVED

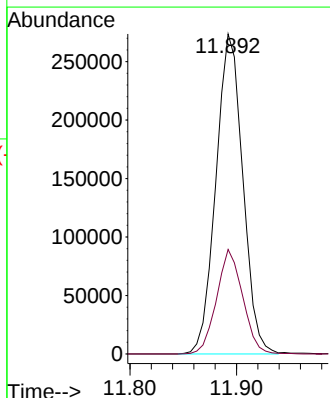
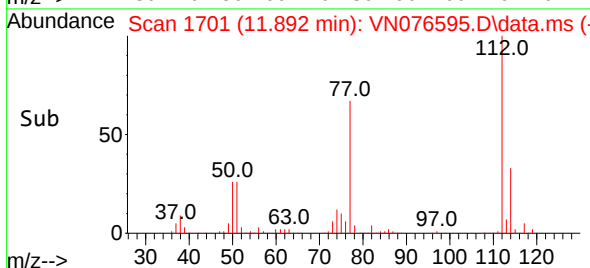
Reviewed By :John Carlone 02/10/2023
Supervised By :Semsettin Yesilyurt 02/10/2023

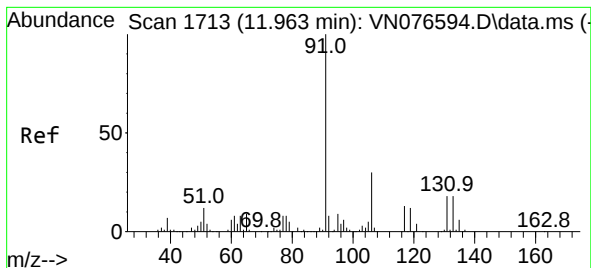


#64
Chlorobenzene
Concen: 48.163 ug/l
RT: 11.892 min Scan# 1701
Delta R.T. -0.002 min
Lab File: VN076595.D
Acq: 09 Feb 2023 18:14



Tgt Ion:112 Resp: 479011
Ion Ratio Lower Upper
112 100
114 32.7 24.7 37.1





#65

1,1,1,2-Tetrachloroethane

Concen: 48.059 ug/l

RT: 11.963 min Scan# 1713

Delta R.T. -0.002 min

Lab File: VN076595.D

Acq: 09 Feb 2023 18:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC050

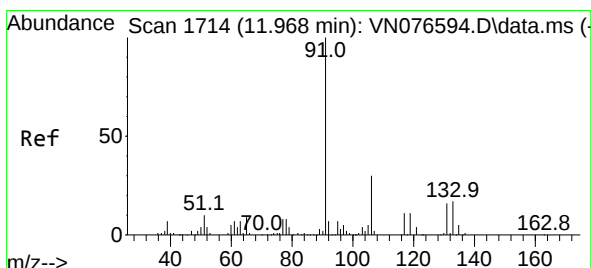
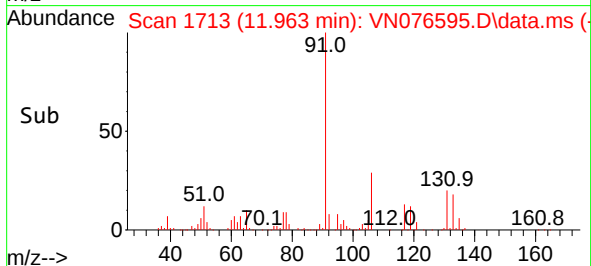
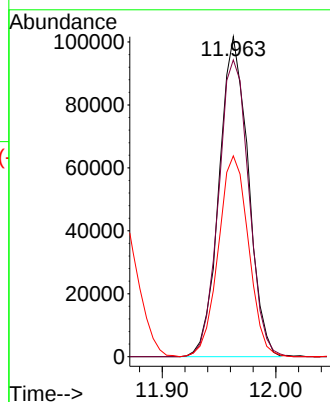
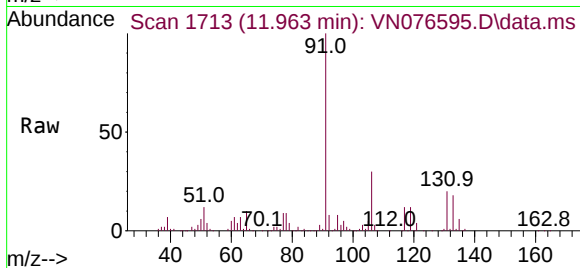
Tgt Ion:131 Resp: 181204
 Ion Ratio Lower Upper
 131 100
 133 96.5 0.0 191.8
 119 64.9 0.0 135.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/10/2023

Supervised By :Semsettin Yesilyurt 02/10/2023



#66

Ethyl Benzene

Concen: 49.199 ug/l

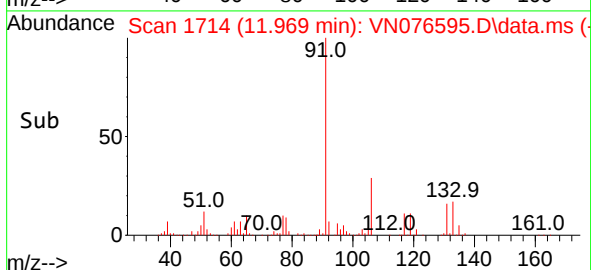
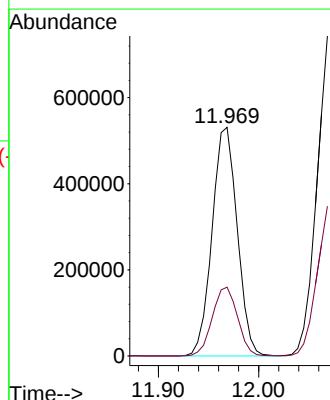
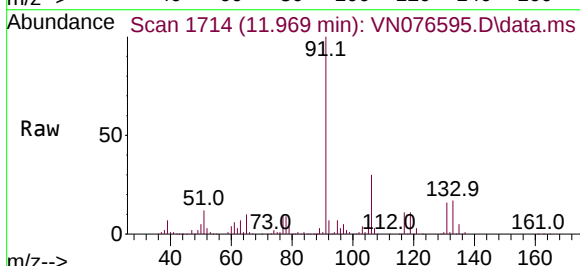
RT: 11.969 min Scan# 1714

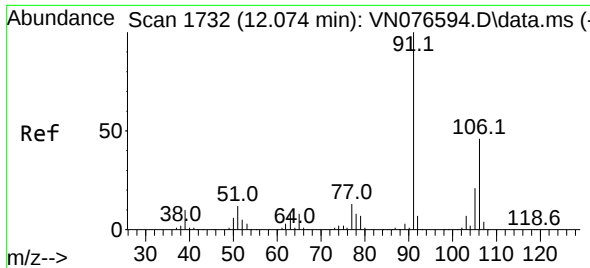
Delta R.T. 0.004 min

Lab File: VN076595.D

Acq: 09 Feb 2023 18:14

Tgt Ion: 91 Resp: 926005
 Ion Ratio Lower Upper
 91 100
 106 30.0 24.1 36.1





#67
m/p-Xylenes
Concen: 98.948 ug/l
RT: 12.074 min Scan# 1732
Delta R.T. -0.002 min
Lab File: VN076595.D
Acq: 09 Feb 2023 18:14

Instrument :

MSVOA_N

ClientSampleId :

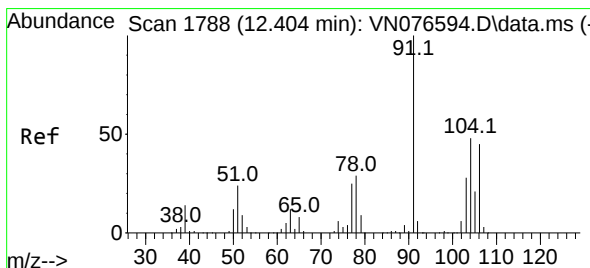
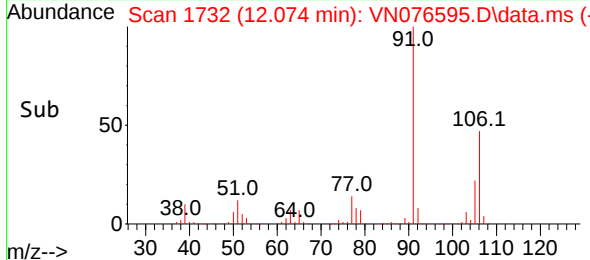
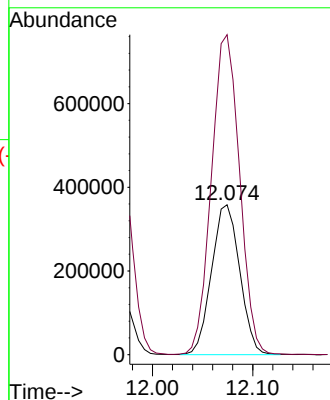
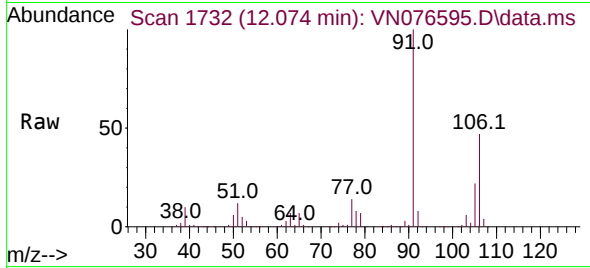
VSTDICC050

Tgt Ion:106 Resp: 698754
Ion Ratio Lower Upper
106 100
91 213.6 164.2 246.4

Manual Integrations

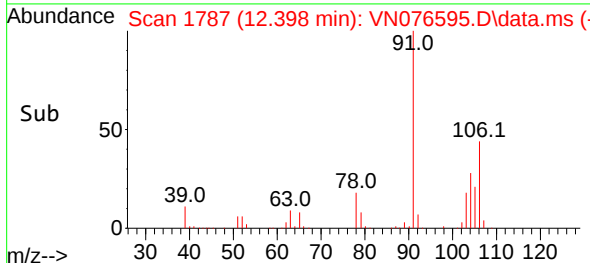
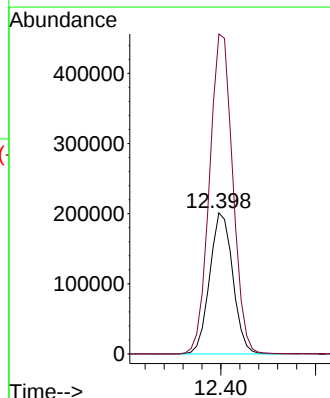
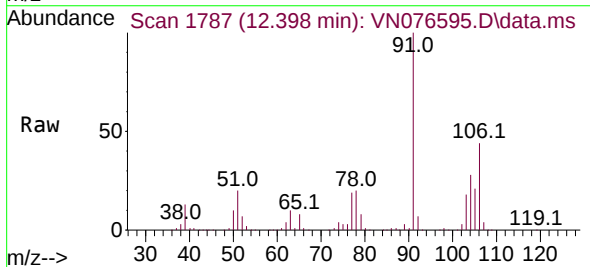
APPROVED

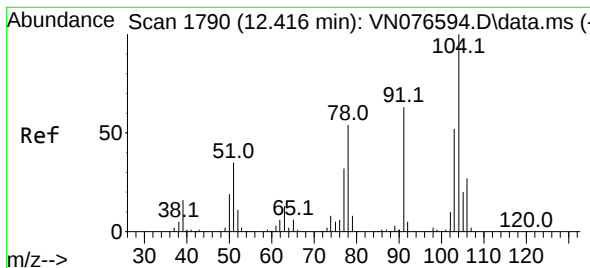
Reviewed By :John Carlone 02/10/2023
Supervised By :Semsettin Yesilyurt 02/10/2023



#68
o-Xylene
Concen: 48.995 ug/l
RT: 12.398 min Scan# 1787
Delta R.T. -0.002 min
Lab File: VN076595.D
Acq: 09 Feb 2023 18:14

Tgt Ion:106 Resp: 340870
Ion Ratio Lower Upper
106 100
91 228.9 108.5 325.5





#69

Styrene

Concen: 50.568 ug/l

RT: 12.416 min Scan# 11

Delta R.T. 0.004 min

Lab File: VN076595.D

Acq: 09 Feb 2023 18:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC050

Tgt Ion:104 Resp: 55842

Ion Ratio Lower Upper

104 100

78 58.5 39.9 59.9

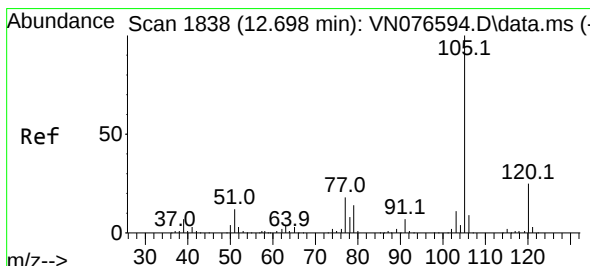
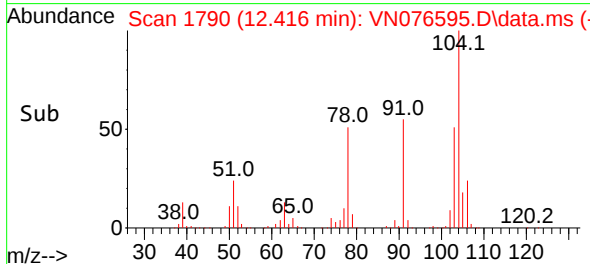
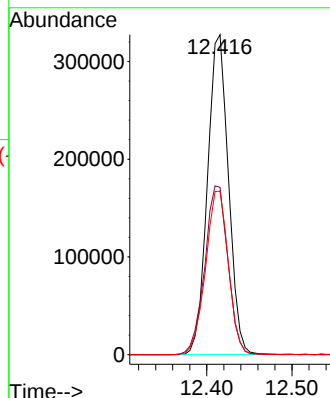
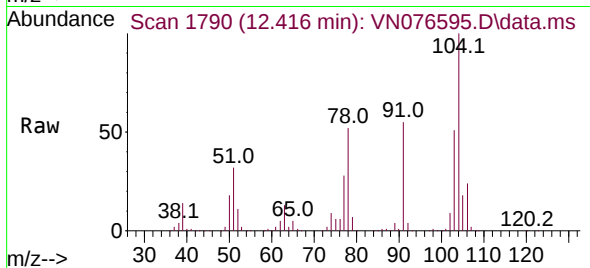
103 55.8 43.8 65.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/10/2023

Supervised By :Semsettin Yesilyurt 02/10/2023



#70

Isopropylbenzene

Concen: 49.258 ug/l

RT: 12.698 min Scan# 1838

Delta R.T. -0.002 min

Lab File: VN076595.D

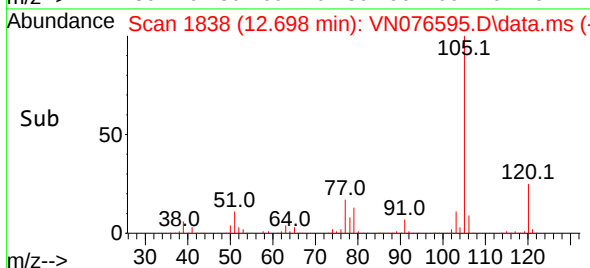
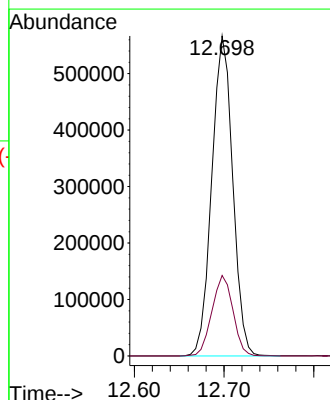
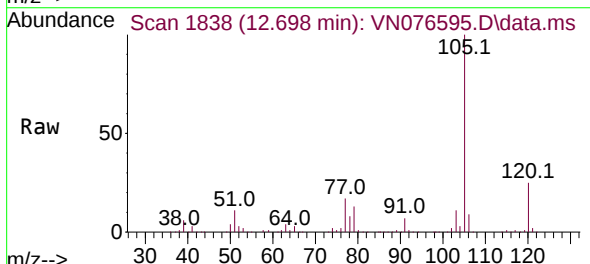
Acq: 09 Feb 2023 18:14

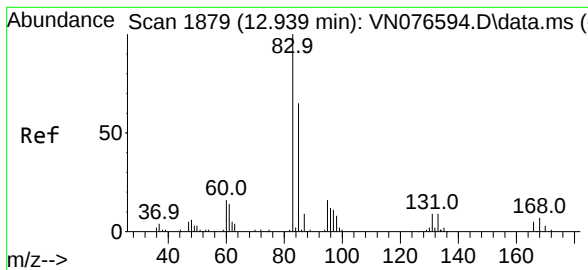
Tgt Ion:105 Resp: 918359

Ion Ratio Lower Upper

105 100

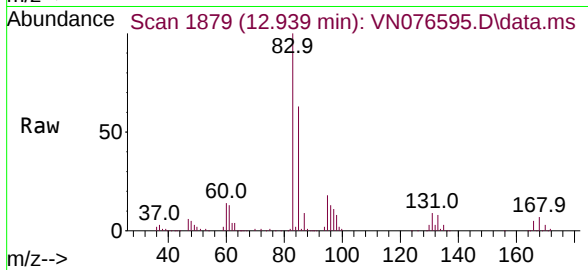
120 25.3 18.5 34.3





#71
1,1,2,2-Tetrachloroethane
Concen: 42.871 ug/l
RT: 12.939 min Scan# 1879
Delta R.T. -0.002 min
Lab File: VN076595.D
Acq: 09 Feb 2023 18:14

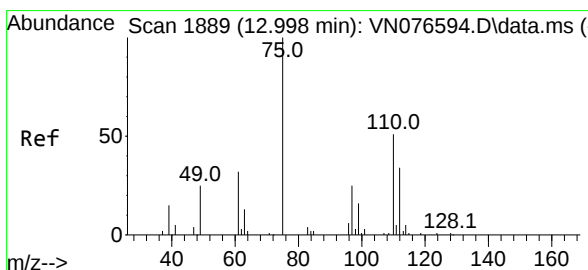
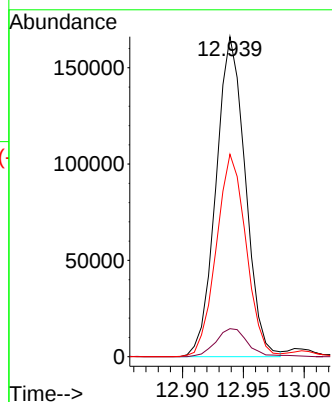
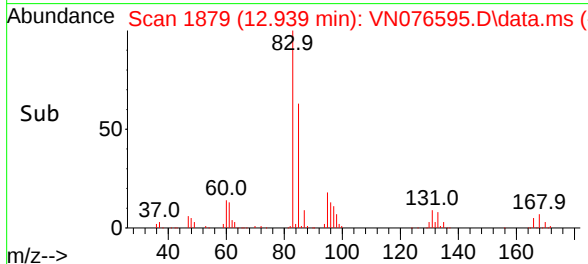
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050



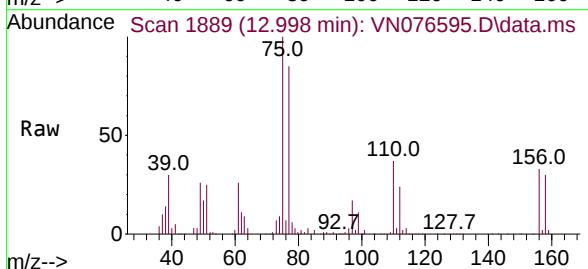
Tgt Ion: 83 Resp: 278668
Ion Ratio Lower Upper
83 100
131 9.3 4.5 13.5
85 64.3 30.9 92.7

Manual Integrations
APPROVED

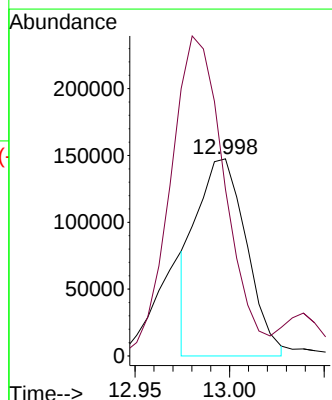
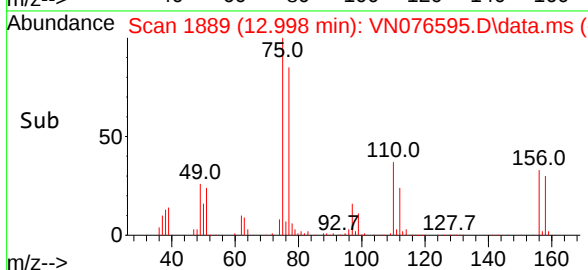
Reviewed By :John Carlone 02/10/2023
Supervised By :Semsettin Yesilyurt 02/10/2023

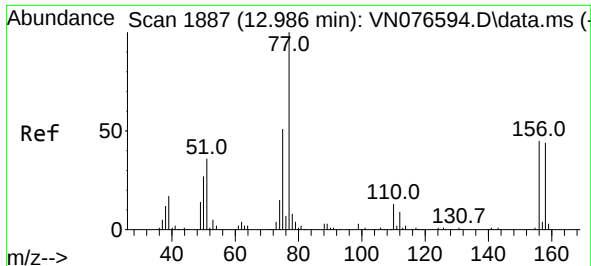


#72
1,2,3-Trichloropropane
Concen: 46.010 ug/l m
RT: 12.998 min Scan# 1889
Delta R.T. 0.004 min
Lab File: VN076595.D
Acq: 09 Feb 2023 18:14



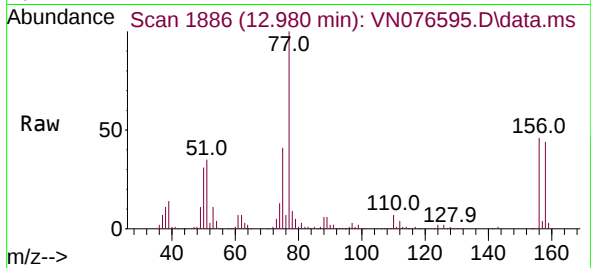
Tgt Ion: 75 Resp: 272356
Ion Ratio Lower Upper
75 100
77 177.2 0.0 372.4





#73
Bromobenzene
Concen: 43.452 ug/l
RT: 12.980 min Scan# 1886
Delta R.T. -0.002 min
Lab File: VN076595.D
Acq: 09 Feb 2023 18:14

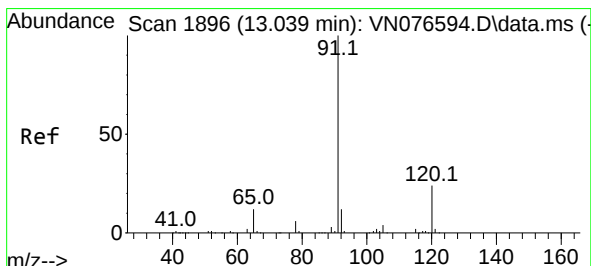
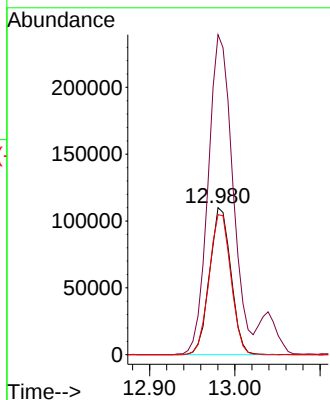
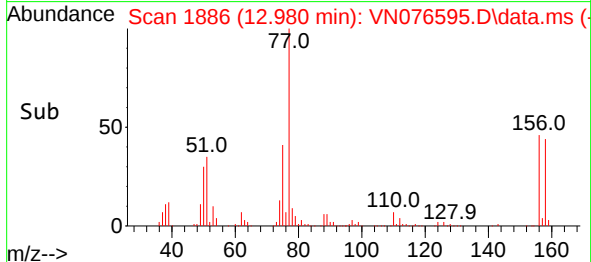
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050



Tgt Ion:156 Resp: 19223
Ion Ratio Lower Upper
156 100
77 251.1 0.0 491.8
158 97.1 0.0 185.0

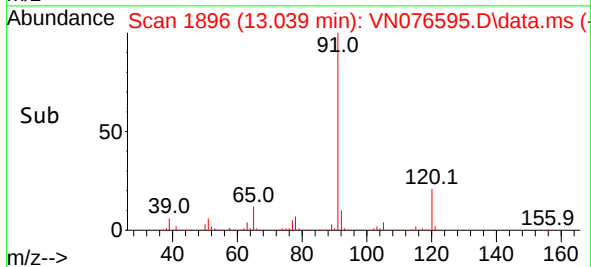
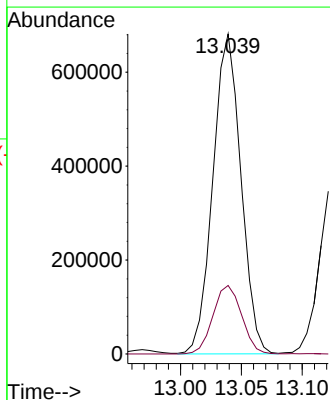
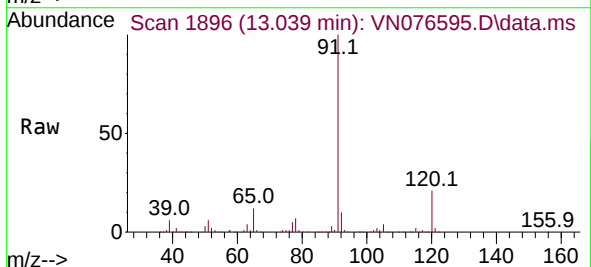
Manual Integrations
APPROVED

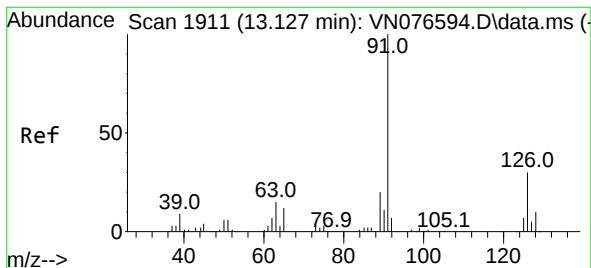
Reviewed By :John Carlone 02/10/2023
Supervised By :Semsettin Yesilyurt 02/10/2023



#74
n-propylbenzene
Concen: 45.658 ug/l
RT: 13.039 min Scan# 1896
Delta R.T. -0.002 min
Lab File: VN076595.D
Acq: 09 Feb 2023 18:14

Tgt Ion: 91 Resp: 1091763
Ion Ratio Lower Upper
91 100
120 21.8 0.0 44.6





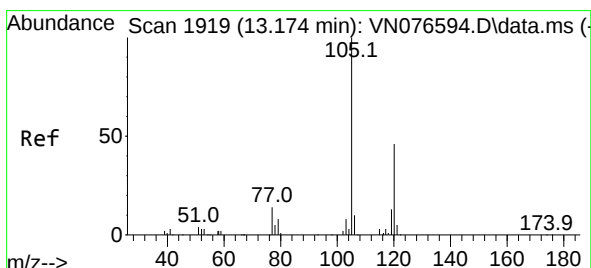
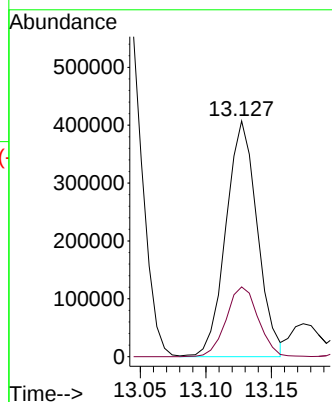
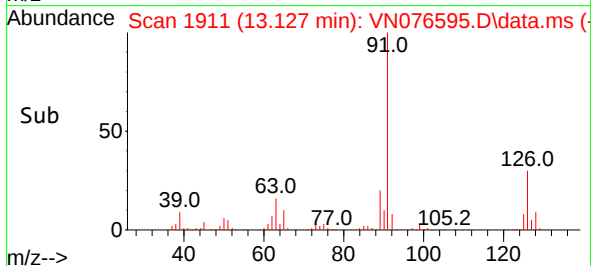
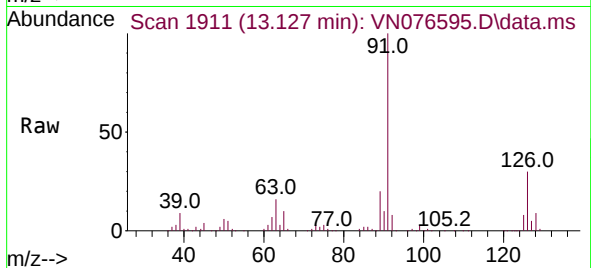
#75
2-Chlorotoluene
Concen: 45.035 ug/l
RT: 13.127 min Scan# 1911
Delta R.T. -0.002 min
Lab File: VN076595.D
Acq: 09 Feb 2023 18:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Tgt Ion: 91 Resp: 67740
Ion Ratio Lower Upper
91 100
126 30.3 0.0 66.2

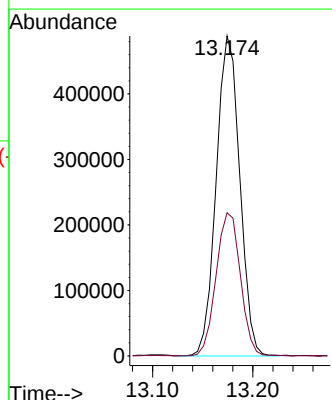
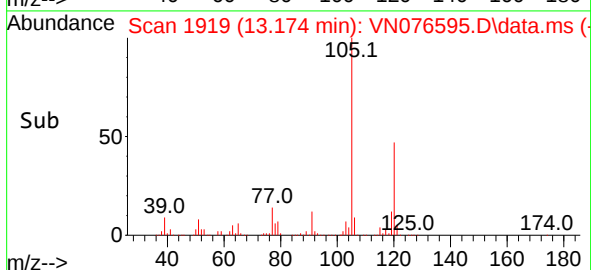
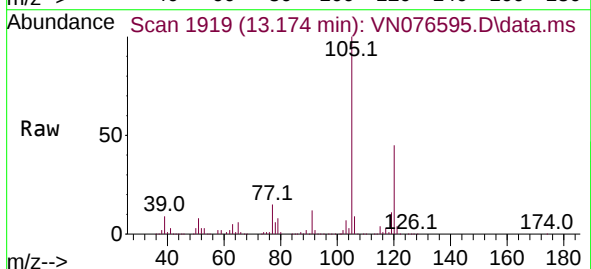
Manual Integrations
APPROVED

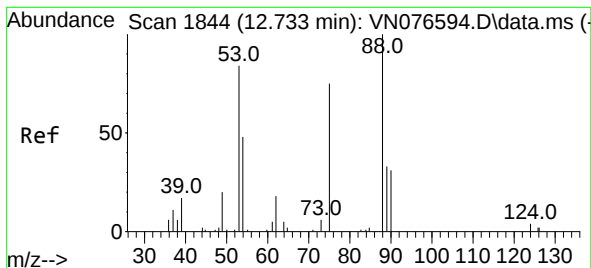
Reviewed By :John Carlone 02/10/2023
Supervised By :Semsettin Yesilyurt 02/10/2023



#76
1,3,5-Trimethylbenzene
Concen: 45.700 ug/l
RT: 13.174 min Scan# 1919
Delta R.T. -0.002 min
Lab File: VN076595.D
Acq: 09 Feb 2023 18:14

Tgt Ion:105 Resp: 795637
Ion Ratio Lower Upper
105 100
120 46.1 0.0 97.4





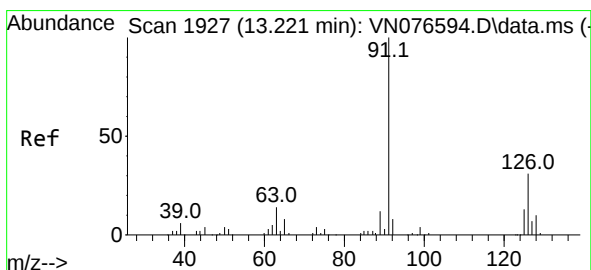
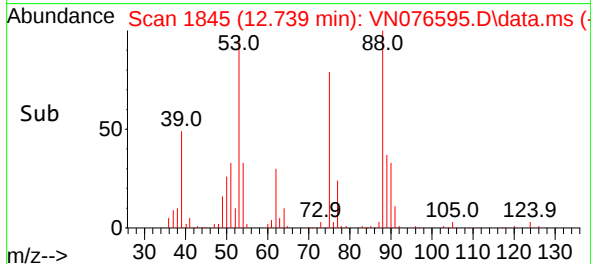
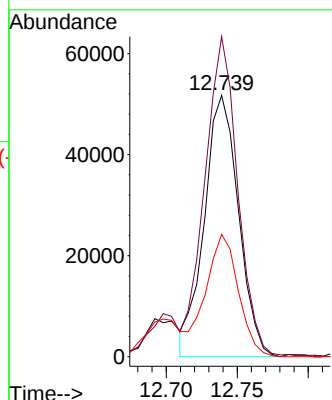
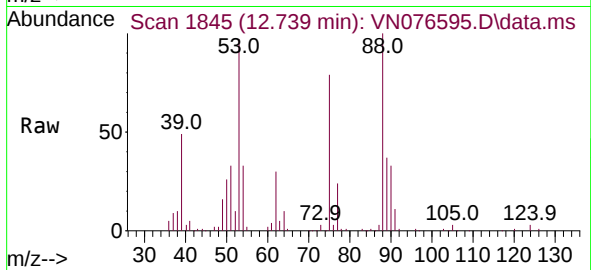
#77
t-1,4-Dichloro-2-butene
Concen: 48.386 ug/l
RT: 12.739 min Scan# 1844
Delta R.T. 0.004 min
Lab File: VN076595.D
Acq: 09 Feb 2023 18:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Tgt Ion: 75 Resp: 8664
Ion Ratio Lower Upper
75 100
53 121.8 43.3 129.9
89 46.8 21.1 63.1

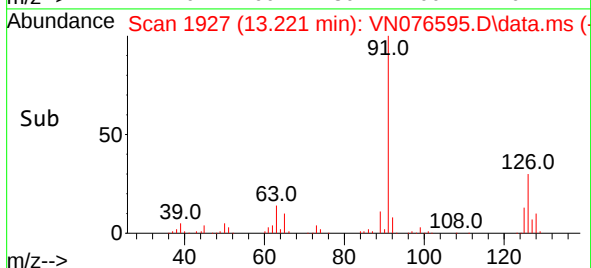
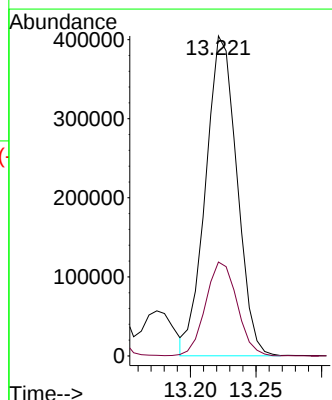
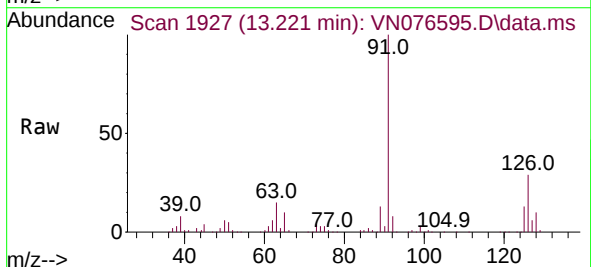
Manual Integrations
APPROVED

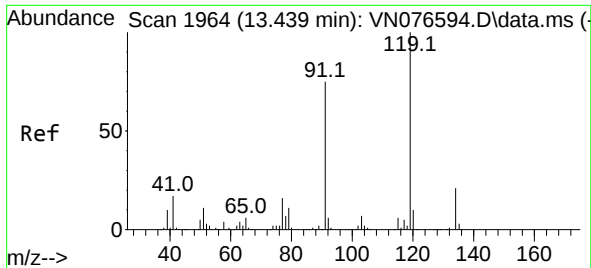
Reviewed By :John Carlone 02/10/2023
Supervised By :Semsettin Yesilyurt 02/10/2023



#78
4-Chlorotoluene
Concen: 44.465 ug/l
RT: 13.221 min Scan# 1927
Delta R.T. -0.002 min
Lab File: VN076595.D
Acq: 09 Feb 2023 18:14

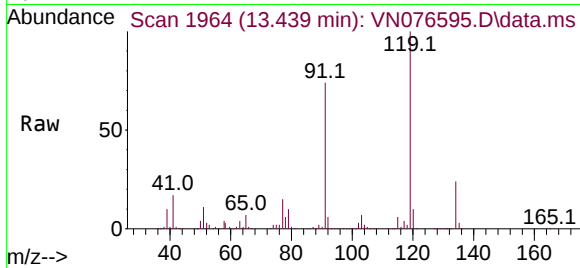
Tgt Ion: 91 Resp: 672499
Ion Ratio Lower Upper
91 100
126 29.6 0.0 67.8





#79
tert-butylbenzene
Concen: 46.324 ug/l
RT: 13.439 min Scan# 1964
Delta R.T. -0.002 min
Lab File: VN076595.D
Acq: 09 Feb 2023 18:14

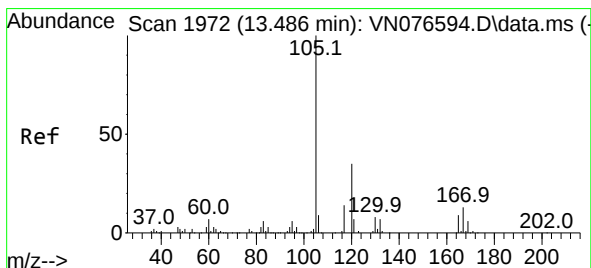
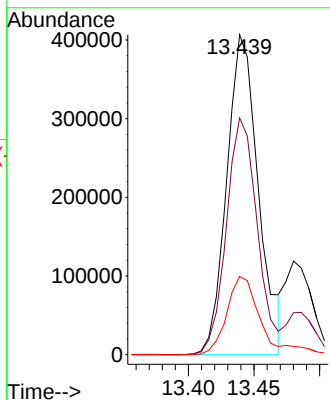
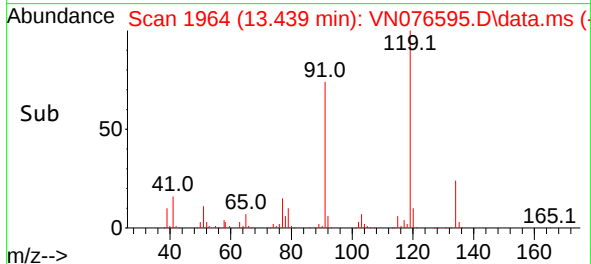
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050



Tgt Ion:119 Resp: 68455
Ion Ratio Lower Upper
119 100
91 72.2 0.0 129.0
134 23.8 0.0 52.2

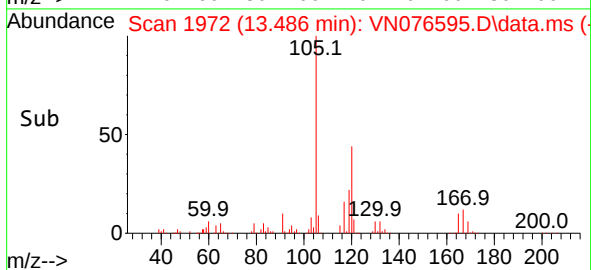
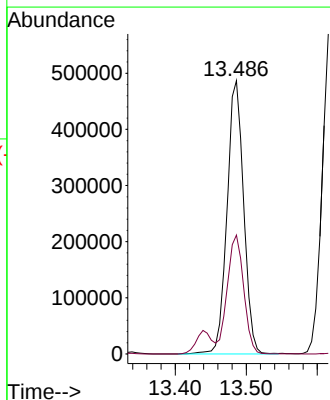
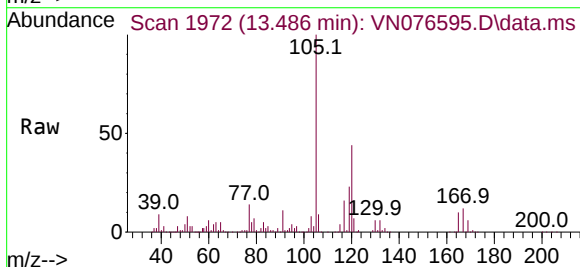
Manual Integrations
APPROVED

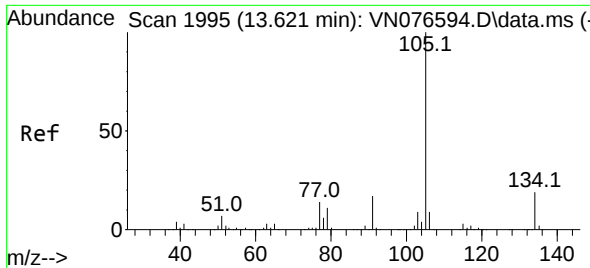
Reviewed By :John Carlone 02/10/2023
Supervised By :Semsettin Yesilyurt 02/10/2023



#80
1,2,4-Trimethylbenzene
Concen: 46.011 ug/l
RT: 13.486 min Scan# 1972
Delta R.T. 0.004 min
Lab File: VN076595.D
Acq: 09 Feb 2023 18:14

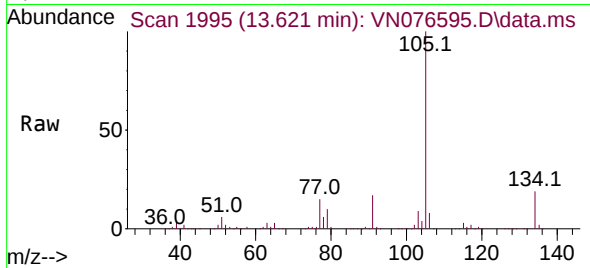
Tgt Ion:105 Resp: 790011
Ion Ratio Lower Upper
105 100
120 43.0 0.0 93.2





#81
 sec-Butylbenzene
 Concen: 46.503 ug/l
 RT: 13.621 min Scan# 1995
 Delta R.T. 0.003 min
 Lab File: VN076595.D
 Acq: 09 Feb 2023 18:14

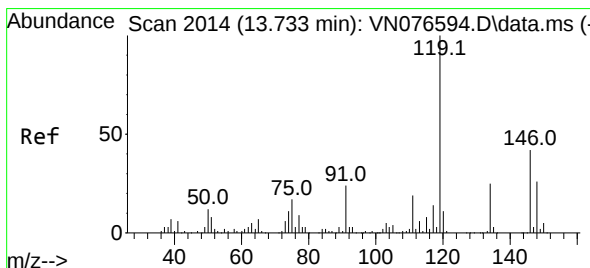
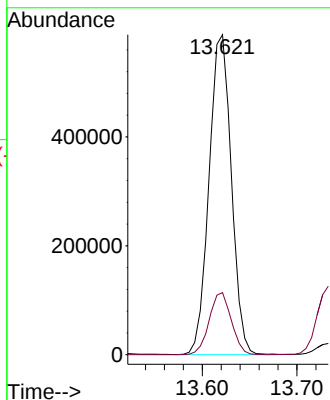
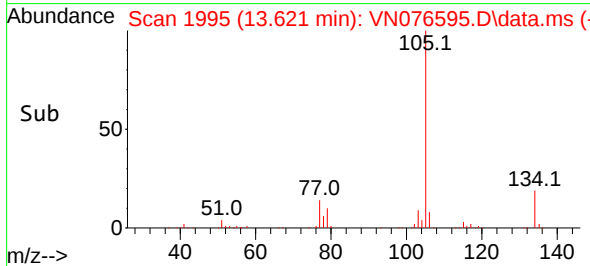
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050



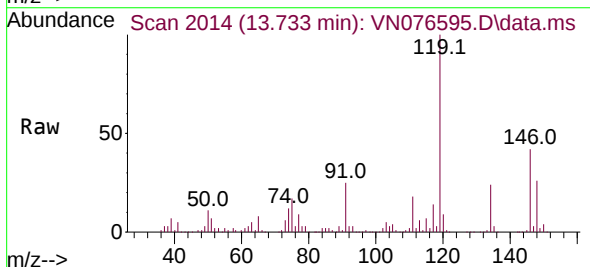
Tgt Ion:105 Resp: 962240
 Ion Ratio Lower Upper
 105 100
 134 19.3 0.0 38.8

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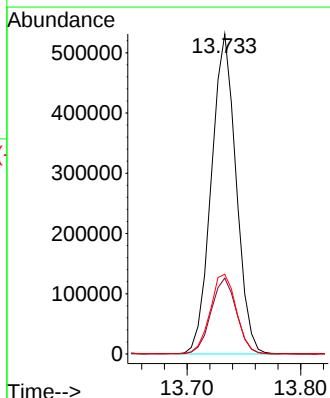
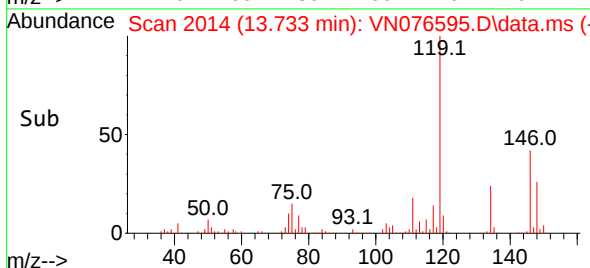
Reviewed By :John Carlone 02/10/2023
 Supervised By :Semsettin Yesilyurt 02/10/2023

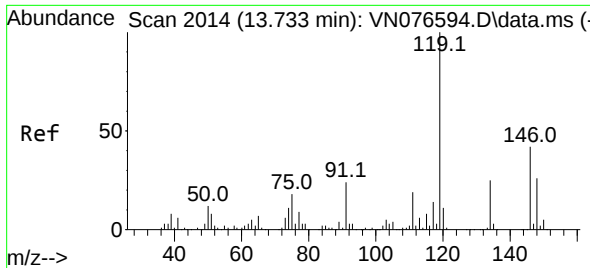


#82
 p-Isopropyltoluene
 Concen: 48.292 ug/l
 RT: 13.733 min Scan# 2014
 Delta R.T. 0.004 min
 Lab File: VN076595.D
 Acq: 09 Feb 2023 18:14



Tgt Ion:119 Resp: 802911
 Ion Ratio Lower Upper
 119 100
 134 24.4 0.0 51.4
 91 26.3 0.0 46.8





#83
1,3-Dichlorobenzene
Concen: 46.006 ug/l
RT: 13.733 min Scan# 2014
Delta R.T. -0.002 min
Lab File: VN076595.D
Acq: 09 Feb 2023 18:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

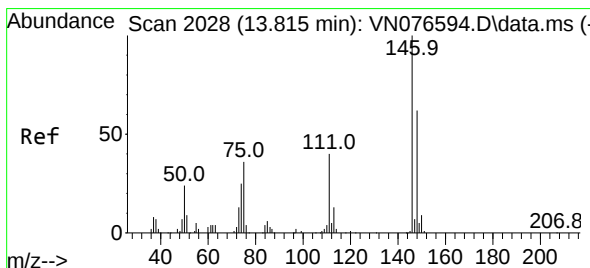
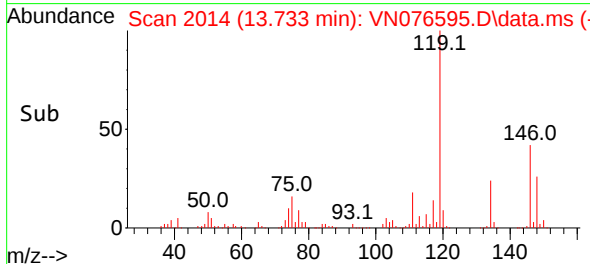
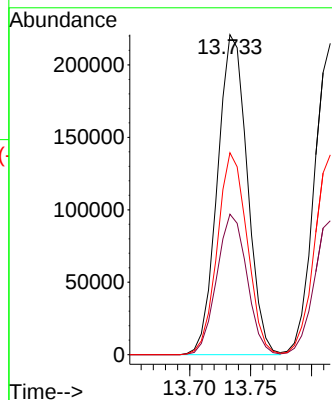
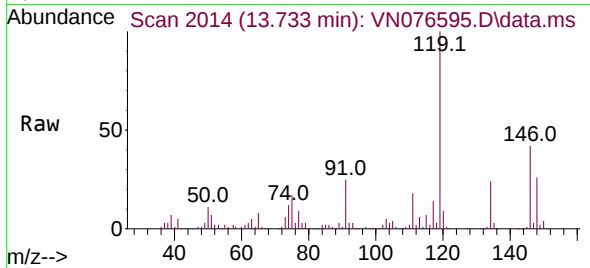
Tgt Ion:146 Resp: 376450
Ion Ratio Lower Upper
146 100
111 44.4 20.5 61.5
148 63.1 31.0 93.0

Manual Integrations

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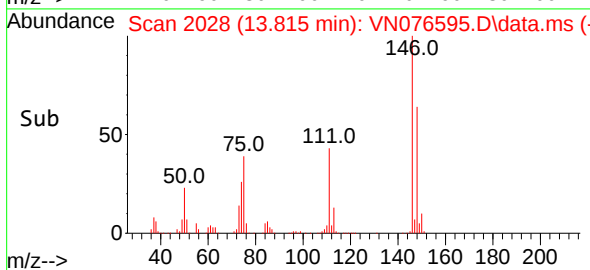
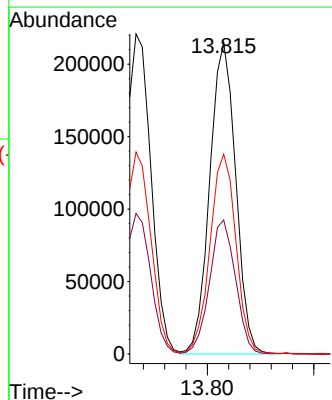
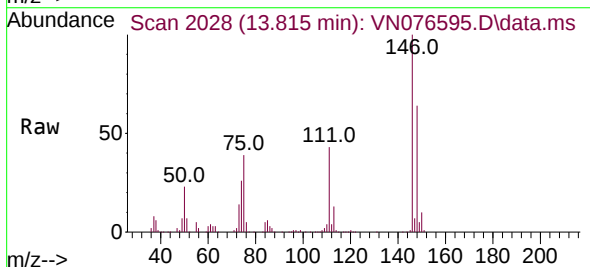
Reviewed By :John Carlone 02/10/2023

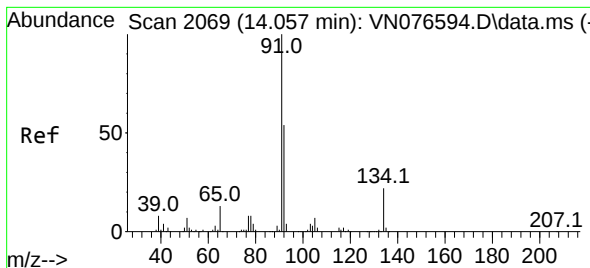
Supervised By :Semsettin Yesilyurt 02/10/2023



#84
1,4-Dichlorobenzene
Concen: 44.546 ug/l
RT: 13.815 min Scan# 2028
Delta R.T. 0.003 min
Lab File: VN076595.D
Acq: 09 Feb 2023 18:14

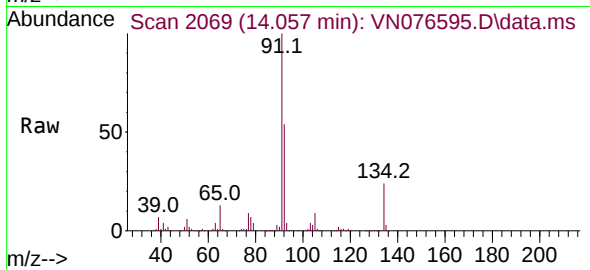
Tgt Ion:146 Resp: 363667
Ion Ratio Lower Upper
146 100
111 43.0 19.1 57.5
148 64.3 31.7 95.1





#85
n-Butylbenzene
Concen: 46.315 ug/l
RT: 14.057 min Scan# 2069
Delta R.T. -0.002 min
Lab File: VN076595.D
Acq: 09 Feb 2023 18:14

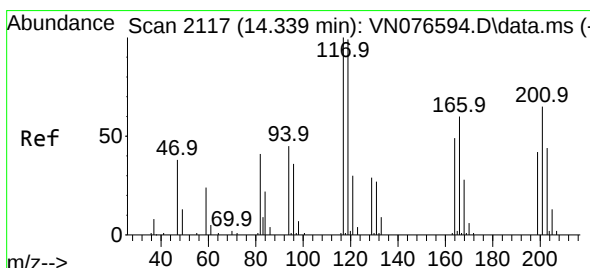
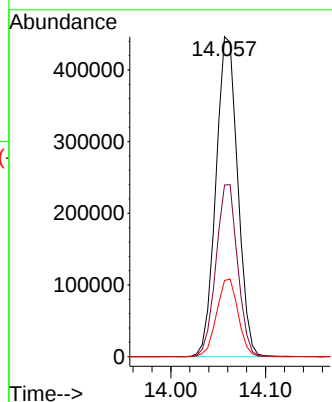
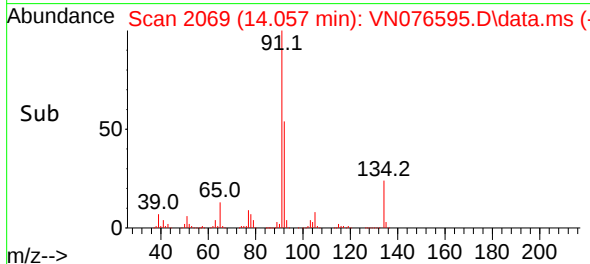
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050



Tgt Ion: 91 Resp: 715090
Ion Ratio Lower Upper
91 100
92 53.4 0.0 105.4
134 24.0 0.0 46.4

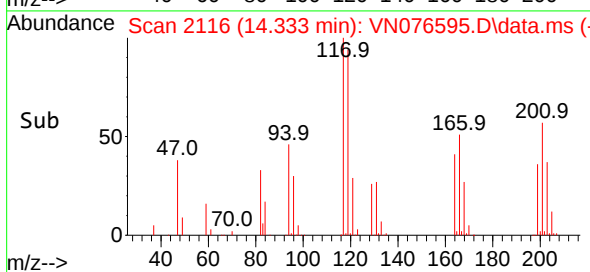
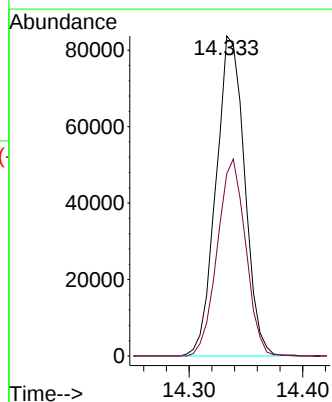
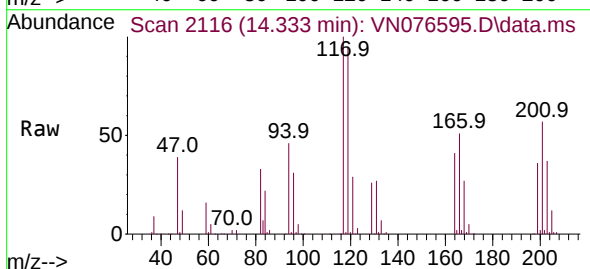
Manual Integrations
APPROVED

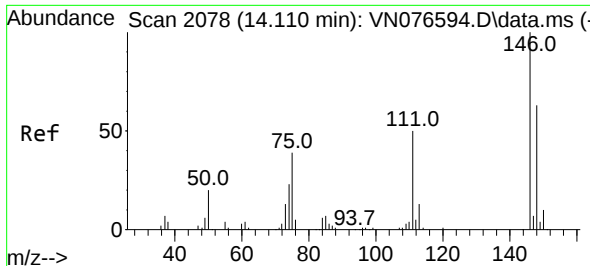
Reviewed By :John Carlone 02/10/2023
Supervised By :Semsettin Yesilyurt 02/10/2023



#86
Hexachloroethane
Concen: 45.385 ug/l
RT: 14.333 min Scan# 2116
Delta R.T. 0.004 min
Lab File: VN076595.D
Acq: 09 Feb 2023 18:14

Tgt Ion:117 Resp: 146517
Ion Ratio Lower Upper
117 100
201 60.9 29.4 88.3





#87

1,2-Dichlorobenzene

Concen: 41.829 ug/l

RT: 14.110 min Scan# 2078

Delta R.T. 0.004 min

Lab File: VN076595.D

Acq: 09 Feb 2023 18:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tgt Ion:146 Resp: 37572

Ion Ratio Lower Upper

146 100

111 46.0 21.4 64.2

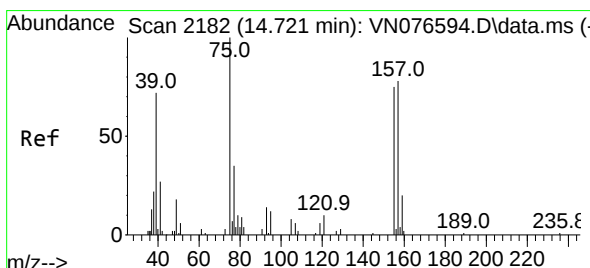
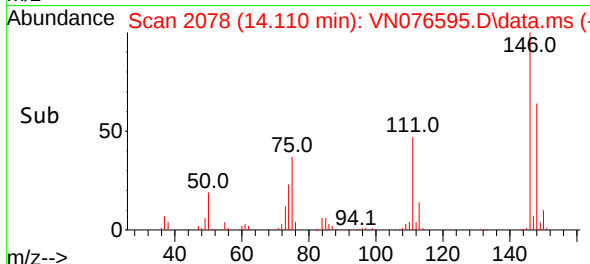
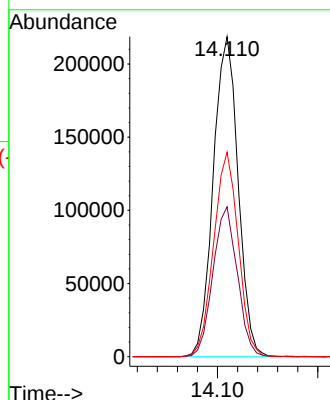
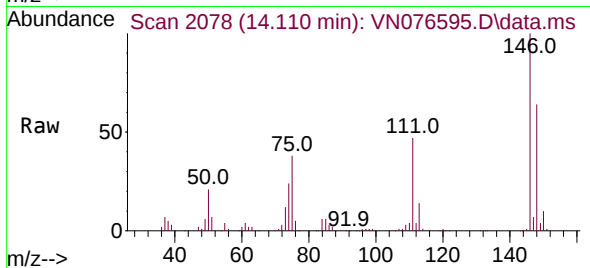
148 63.5 30.6 92.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/10/2023

Supervised By :Semsettin Yesilyurt 02/10/2023



#88

1,2-Dibromo-3-Chloropropane

Concen: 50.188 ug/l

RT: 14.721 min Scan# 2182

Delta R.T. 0.004 min

Lab File: VN076595.D

Acq: 09 Feb 2023 18:14

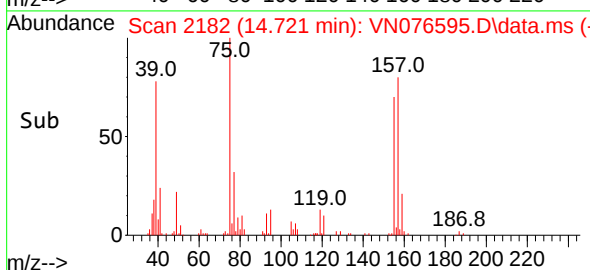
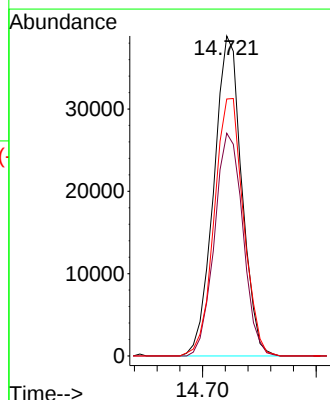
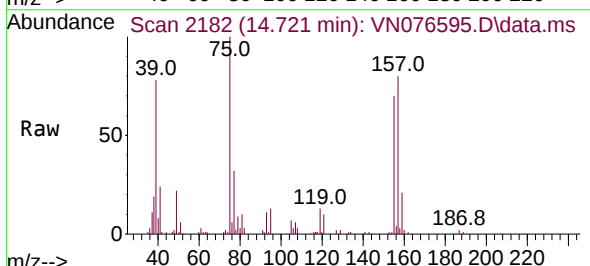
Tgt Ion: 75 Resp: 66500

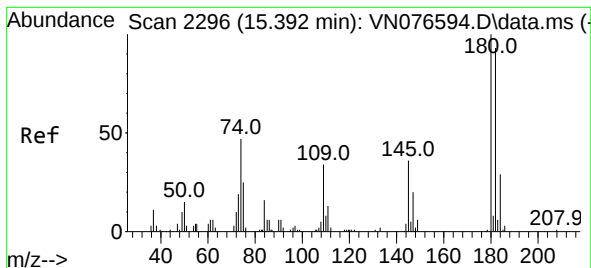
Ion Ratio Lower Upper

75 100

155 70.7 66.3 99.5

157 83.9 84.3 126.5#





#89

1,2,4-Trichlorobenzene

Concen: 53.553 ug/l

RT: 15.398 min Scan# 2296

Delta R.T. 0.004 min

Lab File: VN076595.D

Acq: 09 Feb 2023 18:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tgt Ion:180 Resp: 200618

Ion Ratio Lower Upper

180 100

182 95.2 74.9 112.3

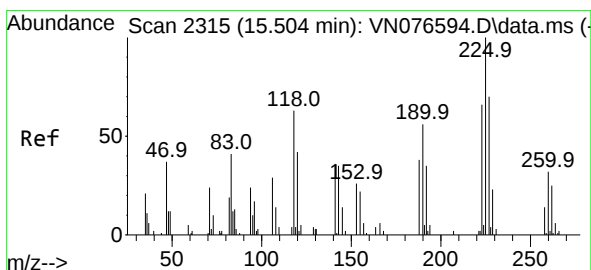
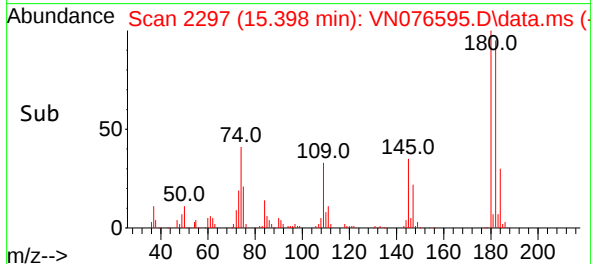
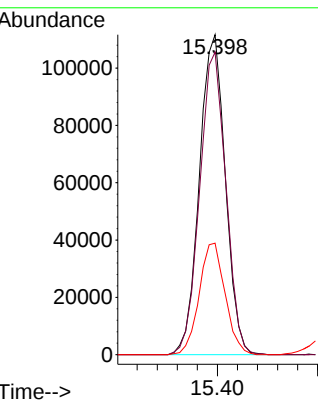
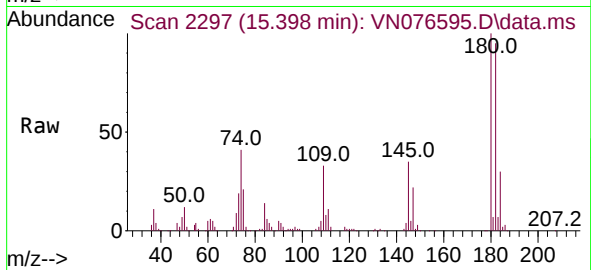
145 34.9 26.3 39.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/10/2023

Supervised By :Semsettin Yesilyurt 02/10/2023



#90

Hexachlorobutadiene

Concen: 52.828 ug/l

RT: 15.504 min Scan# 2315

Delta R.T. 0.004 min

Lab File: VN076595.D

Acq: 09 Feb 2023 18:14

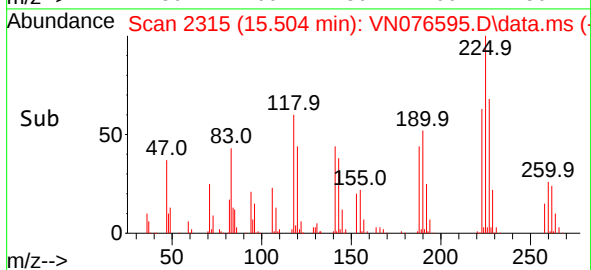
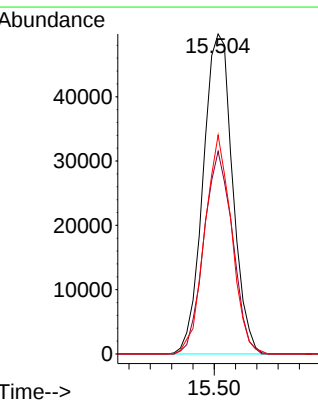
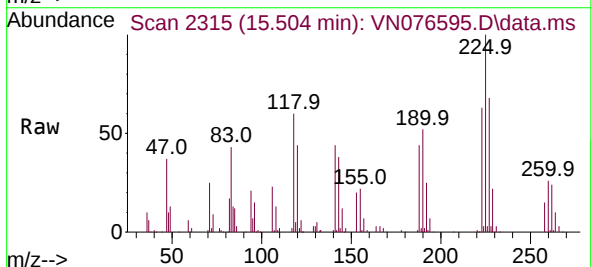
Tgt Ion:225 Resp: 95605

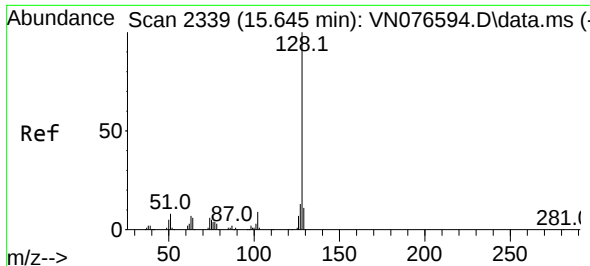
Ion Ratio Lower Upper

225 100

223 61.5 0.0 125.0

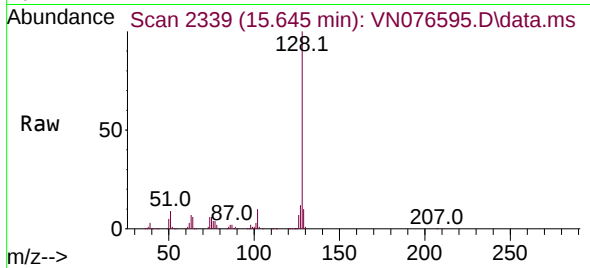
227 62.6 0.0 123.0





#91
Naphthalene
Concen: 54.749 ug/l
RT: 15.645 min Scan# 2339
Delta R.T. 0.004 min
Lab File: VN076595.D
Acq: 09 Feb 2023 18:14

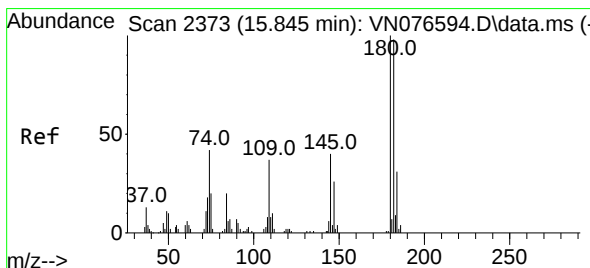
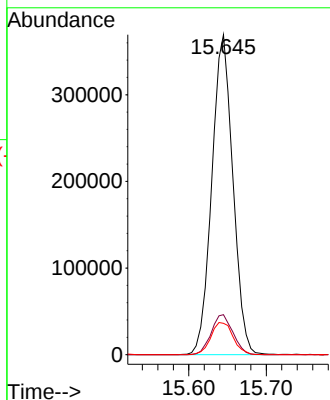
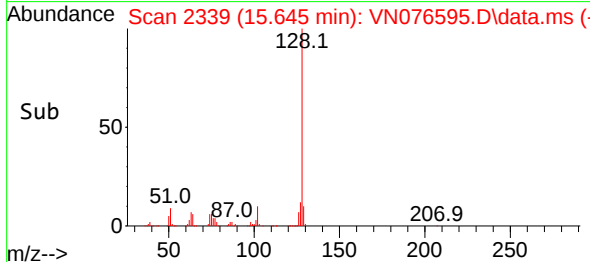
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050



Tgt Ion:128 Resp: 699790
Ion Ratio Lower Upper
128 100
127 12.9 10.7 16.1
129 10.7 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: 53.210 ug/l
RT: 15.845 min Scan# 2373
Delta R.T. 0.004 min
Lab File: VN076595.D
Acq: 09 Feb 2023 18:14

Tgt Ion:180 Resp: 198948
Ion Ratio Lower Upper
180 100
182 94.7 0.0 185.4
145 35.9 0.0 68.6

