

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101823\
 Data File : VY016032.D
 Acq On : 18 Oct 2023 20:02
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/19/2023
 Supervised By : Semsettin Yesilyurt 10/20/2023

Quant Time: Oct 19 03:28:53 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y101823S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 19 03:15:44 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	203048	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	331191	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	306424	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	158192	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	110527	47.893	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	95.780%		
35) Dibromofluoromethane	7.728	113	98393	45.136	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	90.280%		
50) Toluene-d8	10.185	98	352833	44.565	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	89.140%		
62) 4-Bromofluorobenzene	12.483	95	127684	45.198	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	90.400%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.912	85	77041	45.908	ug/l	97
3) Chloromethane	2.113	50	100833	47.586	ug/l	99
4) Vinyl Chloride	2.253	62	109825	46.181	ug/l	97
5) Bromomethane	2.662	94	76546	44.125	ug/l	98
6) Chloroethane	2.802	64	70155	45.877	ug/l	97
7) Trichlorofluoromethane	3.125	101	199507	55.125	ug/l	98
8) Diethyl Ether	3.540	74	75098	58.733	ug/l	92
9) 1,1,2-Trichlorotrifluo...	3.900	101	94859	45.565	ug/l	96
10) Methyl Iodide	4.089	142	121681	44.761	ug/l	97
11) Tert butyl alcohol	5.088	59	163397m	458.666	ug/l	
12) 1,1-Dichloroethene	3.875	96	89331	45.860	ug/l	88
13) Acrolein	3.747	56	98210	376.473	ug/l	99
14) Allyl chloride	4.485	41	148374	48.712	ug/l	94
15) Acrylonitrile	5.192	53	300230	393.588	ug/l	97
16) Acetone	3.997	43	312527	365.330	ug/l	94
17) Carbon Disulfide	4.192	76	265198	46.472	ug/l	98
18) Methyl Acetate	4.509	43	248169	84.285	ug/l	93
19) Methyl tert-butyl Ether	5.247	73	332176	52.859	ug/l	99
20) Methylene Chloride	4.723	84	129632	51.009	ug/l	91
21) trans-1,2-Dichloroethene	5.229	96	106504	46.951	ug/l	94
22) Diisopropyl ether	6.137	45	328022	49.458	ug/l	96
23) Vinyl Acetate	6.076	43	1116369	271.350	ug/l #	94
24) 1,1-Dichloroethane	6.027	63	186234	47.332	ug/l	97
25) 2-Butanone	7.015	43	461935	394.224	ug/l	94
26) 2,2-Dichloropropane	6.990	77	147092	41.550	ug/l	97
27) cis-1,2-Dichloroethene	6.997	96	122833	47.019	ug/l	92
28) Bromochloromethane	7.344	49	90559	53.816	ug/l	93
29) Tetrahydrofuran	7.375	42	325141	458.419	ug/l	91
30) Chloroform	7.515	83	200313	47.481	ug/l	97
31) Cyclohexane	7.789	56	158858	43.979	ug/l	95
32) 1,1,1-Trichloroethane	7.710	97	172274	45.639	ug/l	98
36) 1,1-Dichloropropene	7.923	75	148094	45.155	ug/l	99
37) Ethyl Acetate	7.094	43	211222	89.346	ug/l	99
38) Carbon Tetrachloride	7.905	117	156334	44.848	ug/l	100
39) Methylcyclohexane	9.191	83	184758	45.077	ug/l	91
40) Benzene	8.167	78	431951	46.730	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.326	41	73385	59.838	ug/l	90
42) 1,2-Dichloroethane	8.246	62	148514	49.878	ug/l	94
43) Isopropyl Acetate	8.283	43	266031	64.363	ug/l	97
44) Trichloroethene	8.947	130	126397	48.769	ug/l	97
45) 1,2-Dichloropropane	9.222	63	110668	47.839	ug/l	97
46) Dibromomethane	9.313	93	80126	52.173	ug/l	97
47) Bromodichloromethane	9.502	83	161752	48.055	ug/l	98
48) Methyl methacrylate	9.301	41	117710	62.564	ug/l	88
49) 1,4-Dioxane	9.374	88	55544	2271.306	ug/l #	59
51) 4-Methyl-2-Pentanone	10.075	43	913896	384.494	ug/l	91
52) Toluene	10.252	92	280208	46.736	ug/l	95
53) t-1,3-Dichloropropene	10.472	75	180449	49.488	ug/l	100
54) cis-1,3-Dichloropropene	9.935	75	188663	47.466	ug/l #	89
55) 1,1,2-Trichloroethane	10.648	97	111027	52.622	ug/l	96
56) Ethyl methacrylate	10.514	69	177907	57.697	ug/l #	87
57) 1,3-Dichloropropane	10.795	76	186198	52.021	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.789	63	449898	303.767	ug/l	94
59) 2-Hexanone	10.837	43	747187	413.179	ug/l	89
60) Dibromochloromethane	10.990	129	130325	51.074	ug/l	100
61) 1,2-Dibromoethane	11.093	107	117384	54.667	ug/l	100
64) Tetrachloroethene	10.728	164	126566	53.267	ug/l	97
65) Chlorobenzene	11.520	112	307809	46.384	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.593	131	116495	46.574	ug/l	99
67) Ethyl Benzene	11.599	91	542759	46.220	ug/l	99
68) m/p-Xylenes	11.709	106	422581	92.284	ug/l	94
69) o-Xylene	12.032	106	201490	46.253	ug/l	97
70) Styrene	12.051	104	351729	47.373	ug/l	95
71) Bromoform	12.215	173	97626	55.468	ug/l #	99
73) Isopropylbenzene	12.337	105	526342	44.480	ug/l	99
74) N-amyl acetate	12.148	43	217319	58.144	ug/l #	90
75) 1,1,2,2-Tetrachloroethane	12.587	83	161975	54.651	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	134413m	60.010	ug/l	
77) Bromobenzene	12.617	156	133197	46.375	ug/l	93
78) n-propylbenzene	12.678	91	640415	44.932	ug/l	100
79) 2-Chlorotoluene	12.764	91	362788	45.347	ug/l	100
80) 1,3,5-Trimethylbenzene	12.819	105	441579	45.052	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.386	75	61543	59.979	ug/l	93
82) 4-Chlorotoluene	12.861	91	378743	45.361	ug/l	99
83) tert-Butylbenzene	13.081	119	385427	44.845	ug/l	98
84) 1,2,4-Trimethylbenzene	13.123	105	441574	45.368	ug/l	98
85) sec-Butylbenzene	13.258	105	574564	44.761	ug/l	100
86) p-Isopropyltoluene	13.373	119	483937	45.114	ug/l	98
87) 1,3-Dichlorobenzene	13.373	146	255411	45.704	ug/l	100
88) 1,4-Dichlorobenzene	13.453	146	253478	45.050	ug/l	99
89) n-Butylbenzene	13.703	91	448826	44.945	ug/l	97
90) Hexachloroethane	13.965	117	91108	44.554	ug/l	90
91) 1,2-Dichlorobenzene	13.745	146	240142	46.804	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	42575	75.465	ug/l	90
93) 1,2,4-Trichlorobenzene	15.013	180	152104	46.535	ug/l	99
94) Hexachlorobutadiene	15.117	225	77007	43.376	ug/l	98
95) Naphthalene	15.239	128	490112	61.092	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	145251	48.651	ug/l	99

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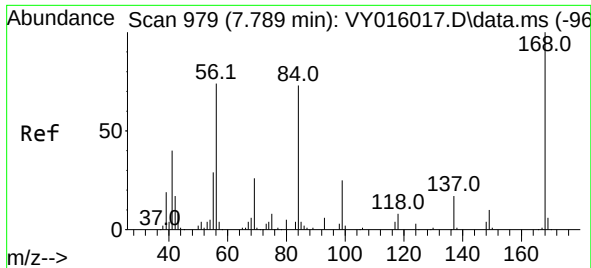
Manual Integrations
APPROVED

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Supervised By :Semsettin Yesilyurt 10/20/2023

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Response via : Initial Calibration

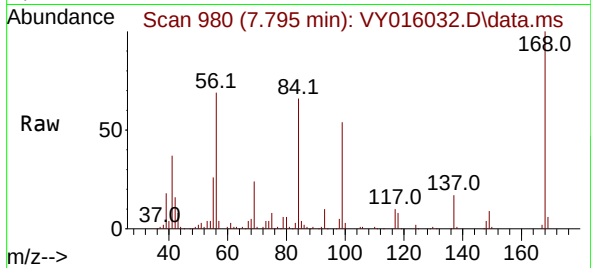
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
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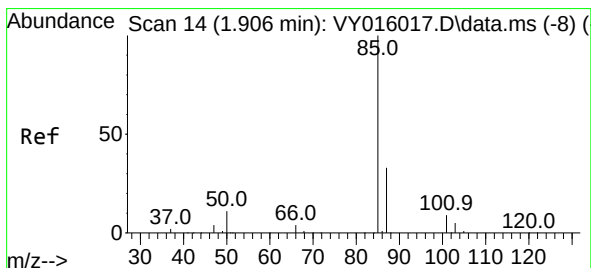
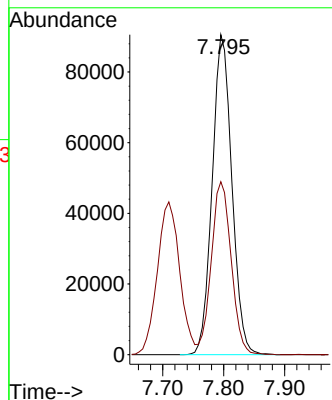
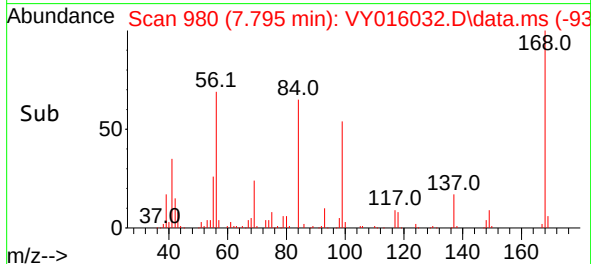
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC



Tgt Ion:168 Resp: 203048
Ion Ratio Lower Upper
168 100
99 54.0 43.4 65.0

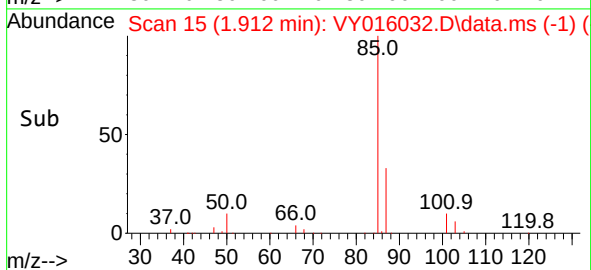
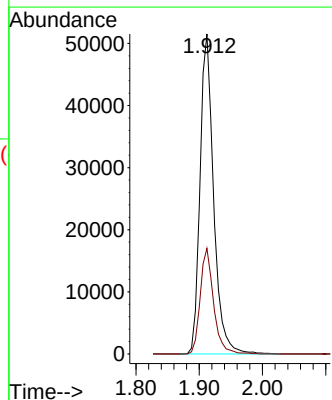
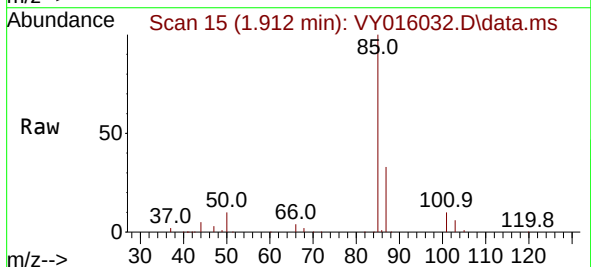
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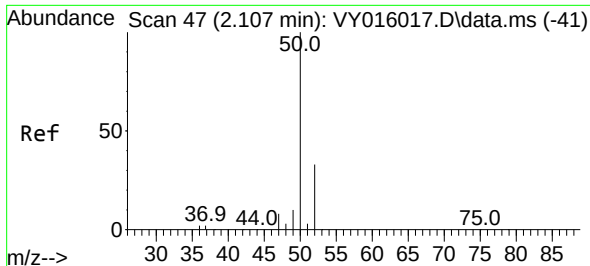
Reviewed By :John Carlone 10/19/2023
Supervised By :Semsettin Yesilyurt 10/20/2023



#2
Dichlorodifluoromethane
Concen: 45.908 ug/l
RT: 1.912 min Scan# 15
Delta R.T. 0.006 min
Lab File: VY016032.D
Acq: 18 Oct 2023 20:02

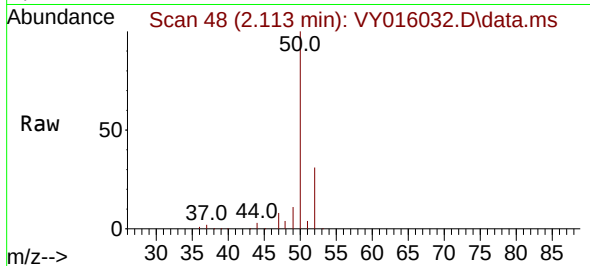
Tgt Ion: 85 Resp: 77041
Ion Ratio Lower Upper
85 100
87 33.0 15.6 46.8





#3
Chloromethane
Concen: 47.586 ug/l
RT: 2.113 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY016032.D
Acq: 18 Oct 2023 20:02

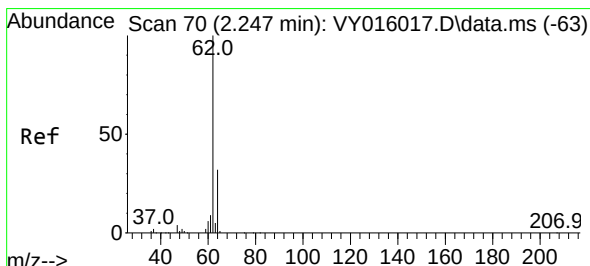
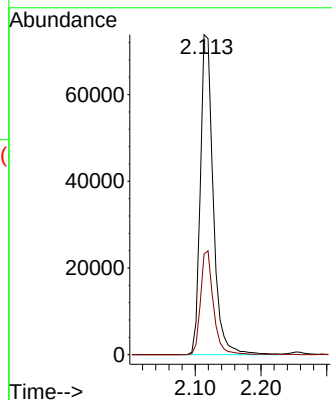
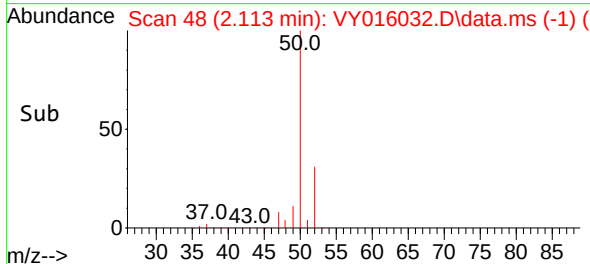
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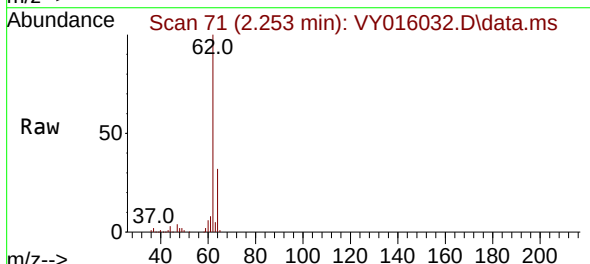
Tgt Ion: 50 Resp: 100833
Ion Ratio Lower Upper
50 100
52 31.4 25.4 38.2

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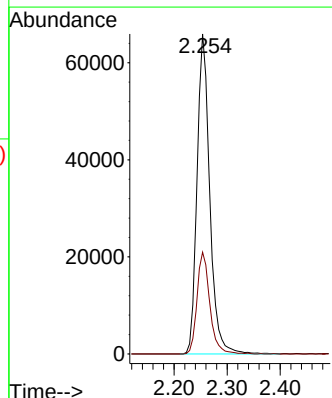
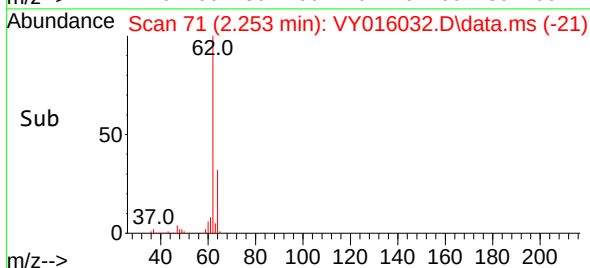
Reviewed By :John Carlone 10/19/2023
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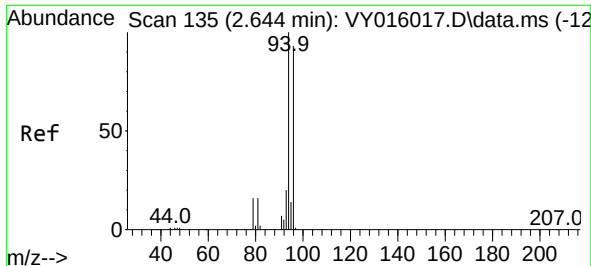


#4
Vinyl Chloride
Concen: 46.181 ug/l
RT: 2.253 min Scan# 71
Delta R.T. 0.006 min
Lab File: VY016032.D
Acq: 18 Oct 2023 20:02



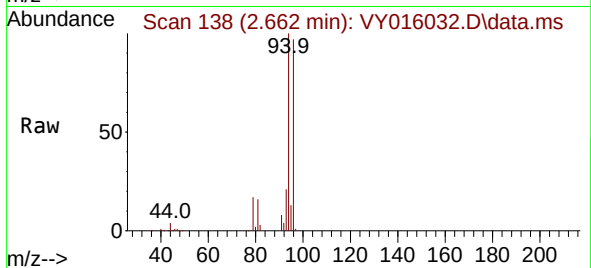
Tgt Ion: 62 Resp: 109825
Ion Ratio Lower Upper
62 100
64 31.8 24.3 36.5





#5
Bromomethane
Concen: 44.125 ug/l
RT: 2.662 min Scan# 11
Delta R.T. 0.018 min
Lab File: VY016032.D
Acq: 18 Oct 2023 20:02

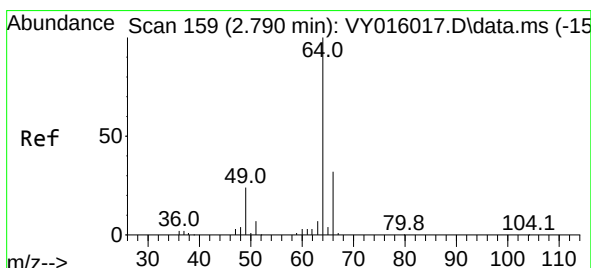
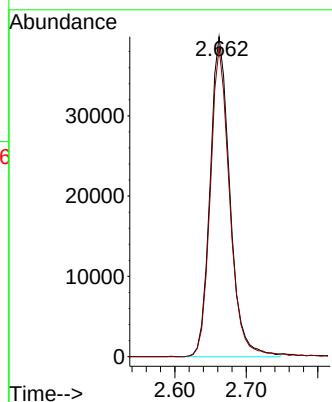
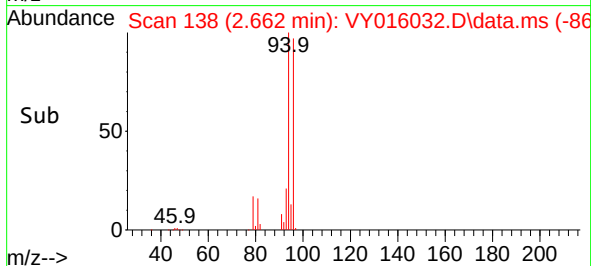
Instrument :
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Tgt Ion: 94 Resp: 76540
Ion Ratio Lower Upper
94 100
96 96.5 75.8 113.6

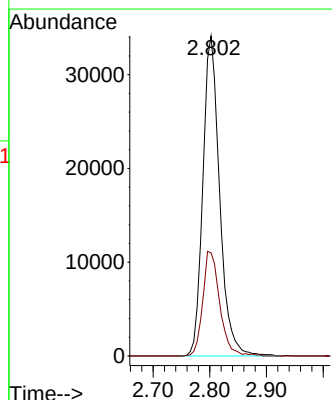
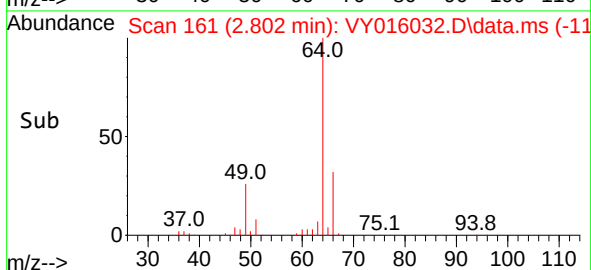
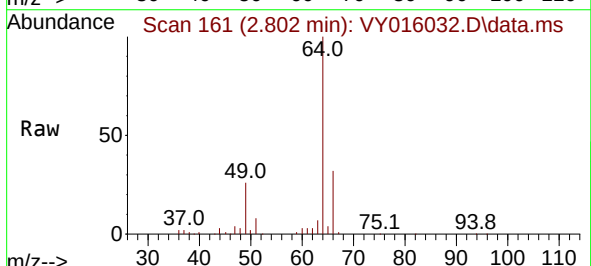
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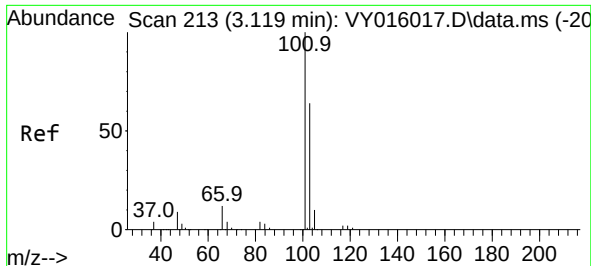
Reviewed By :John Carlone 10/19/2023
Supervised By :Semsettin Yesilyurt 10/20/2023



#6
Chloroethane
Concen: 45.877 ug/l
RT: 2.802 min Scan# 161
Delta R.T. 0.012 min
Lab File: VY016032.D
Acq: 18 Oct 2023 20:02

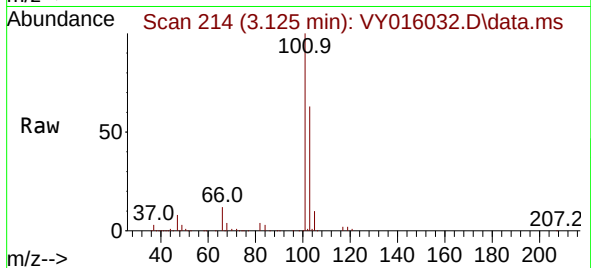
Tgt Ion: 64 Resp: 70155
Ion Ratio Lower Upper
64 100
66 32.2 24.4 36.6





#7
Trichlorofluoromethane
Concen: 55.125 ug/l
RT: 3.125 min Scan# 213
Delta R.T. 0.006 min
Lab File: VY016032.D
Acq: 18 Oct 2023 20:02

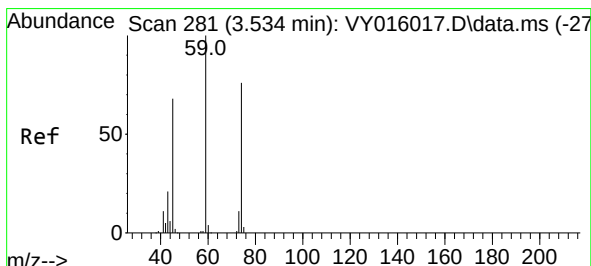
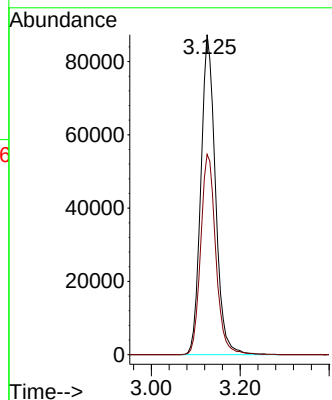
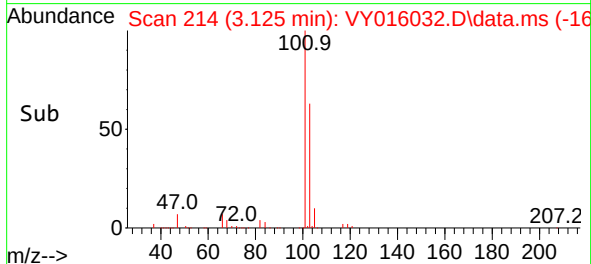
Instrument :
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VSTDCCC050EC



Tgt Ion:101 Resp: 19950
Ion Ratio Lower Upper
101 100
103 62.6 51.4 77.0

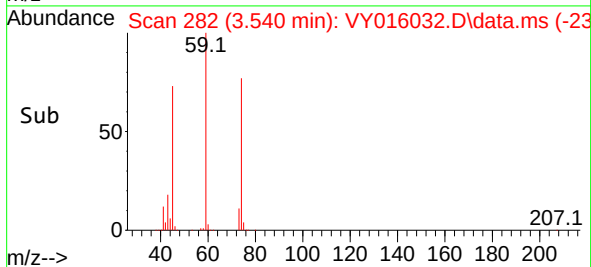
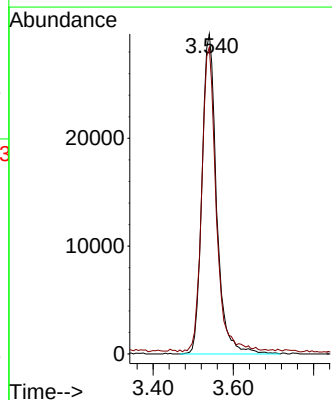
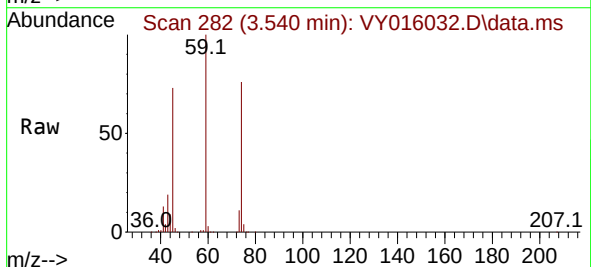
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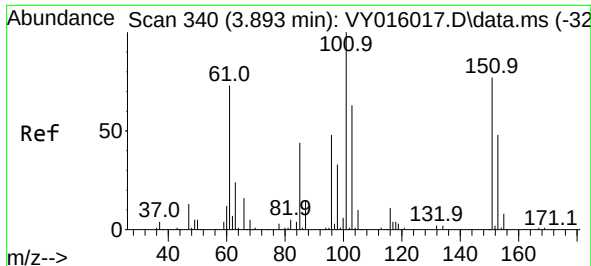
Reviewed By :John Carlone 10/19/2023
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#8
Diethyl Ether
Concen: 58.733 ug/l
RT: 3.540 min Scan# 282
Delta R.T. 0.006 min
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Acq: 18 Oct 2023 20:02

Tgt Ion: 74 Resp: 75098
Ion Ratio Lower Upper
74 100
45 94.4 51.5 154.5





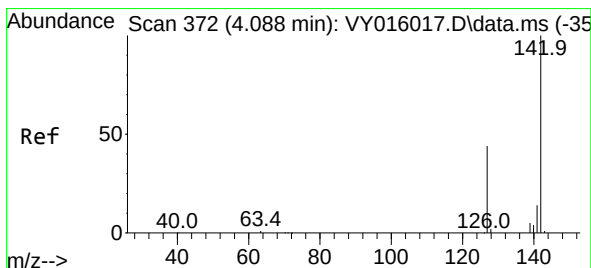
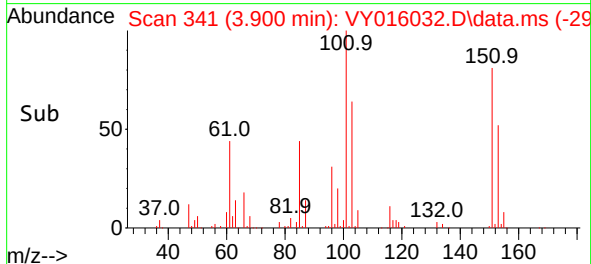
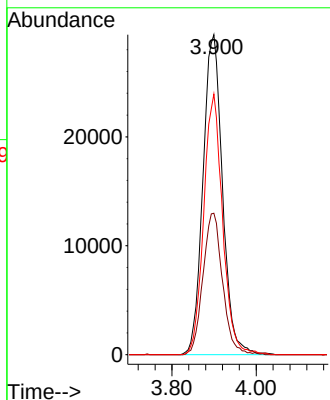
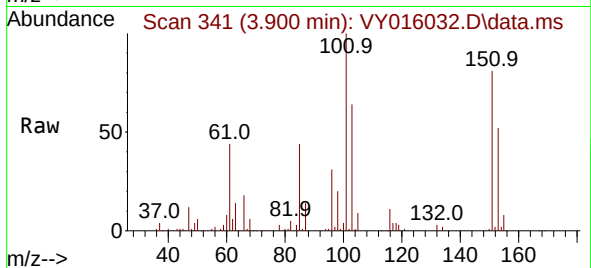
#9
1,1,2-Trichlorotrifluoroethane
Concen: 45.565 ug/l
RT: 3.900 min Scan# 340
Delta R.T. 0.006 min
Lab File: VY016032.D
Acq: 18 Oct 2023 20:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:101 Resp: 9485
Ion Ratio Lower Upper
101 100
85 44.3 36.6 55.0
151 78.8 67.0 100.6

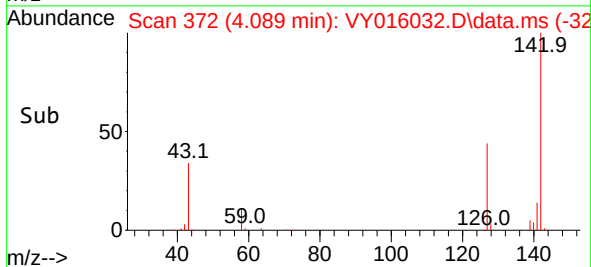
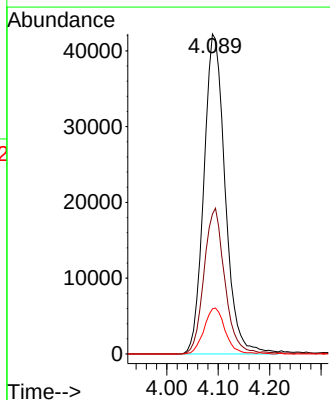
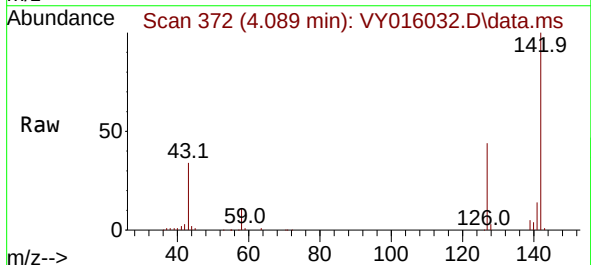
Manual Integrations
APPROVED

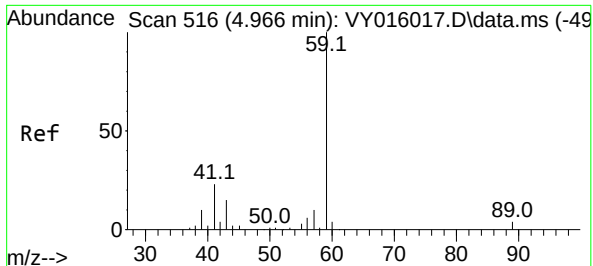
Reviewed By :John Carlone 10/19/2023
Supervised By :Semsettin Yesilyurt 10/20/2023



#10
Methyl Iodide
Concen: 44.761 ug/l
RT: 4.089 min Scan# 372
Delta R.T. 0.000 min
Lab File: VY016032.D
Acq: 18 Oct 2023 20:02

Tgt Ion:142 Resp: 121681
Ion Ratio Lower Upper
142 100
127 44.9 37.6 56.4
141 14.2 11.8 17.8





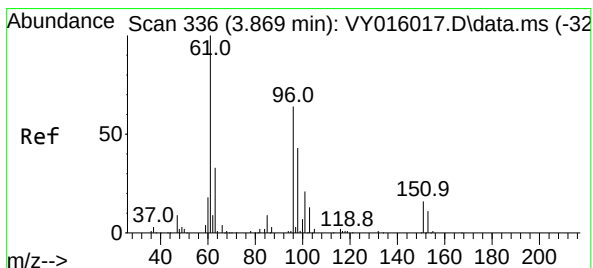
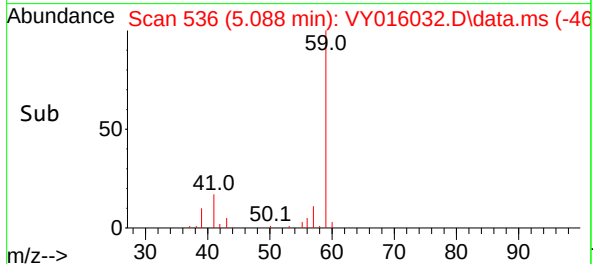
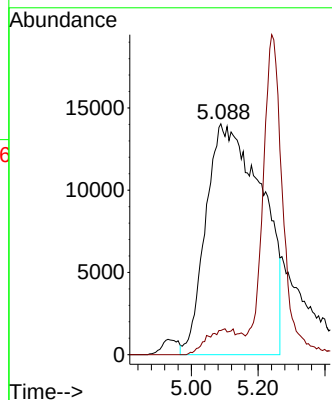
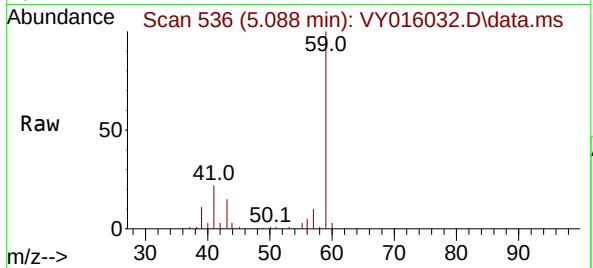
#11
Tert butyl alcohol
Concen: 458.666 ug/l m
RT: 5.088 min Scan# 516
Delta R.T. 0.122 min
Lab File: VY016032.D
Acq: 18 Oct 2023 20:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 59 Resp: 16339
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4

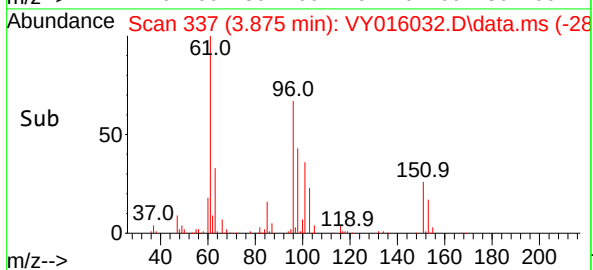
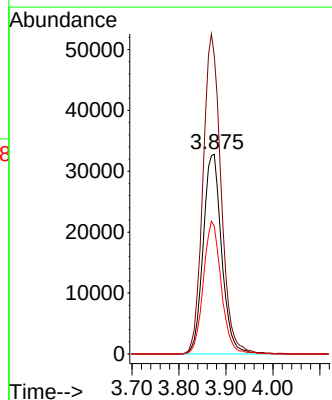
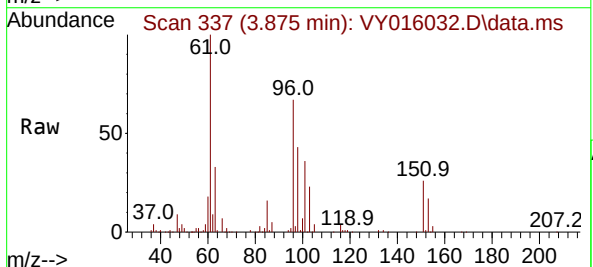
Manual Integrations
APPROVED

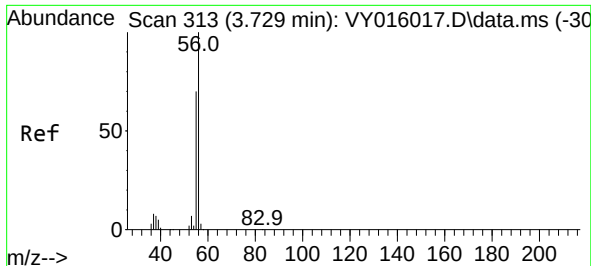
Reviewed By :John Carlone 10/19/2023
Supervised By :Semsettin Yesilyurt 10/20/2023



#12
1,1-Dichloroethene
Concen: 45.860 ug/l
RT: 3.875 min Scan# 337
Delta R.T. 0.006 min
Lab File: VY016032.D
Acq: 18 Oct 2023 20:02

Tgt Ion: 96 Resp: 89331
Ion Ratio Lower Upper
96 100
61 149.5 136.4 204.6
98 64.1 49.4 74.2





#13

Acrolein

Concen: 376.473 ug/l

RT: 3.747 min Scan# 316

Delta R.T. 0.018 min

Lab File: VY016032.D

Acq: 18 Oct 2023 20:02

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 56 Resp: 98210

Ion Ratio Lower Upper

56 100

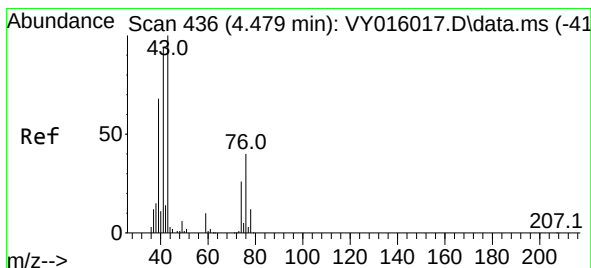
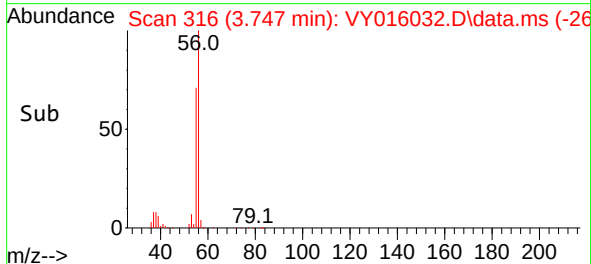
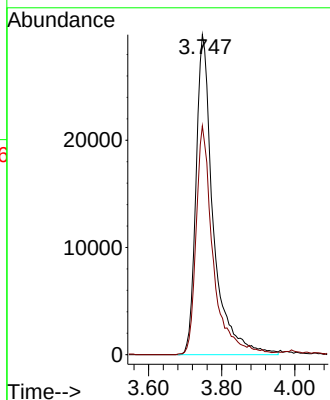
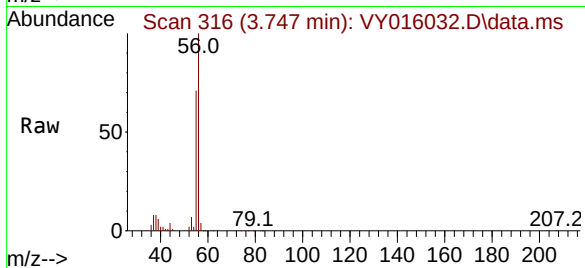
55 70.6 57.0 85.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/19/2023

Supervised By :Semsettin Yesilyurt 10/20/2023



#14

Allyl chloride

Concen: 48.712 ug/l

RT: 4.485 min Scan# 437

Delta R.T. 0.006 min

Lab File: VY016032.D

Acq: 18 Oct 2023 20:02

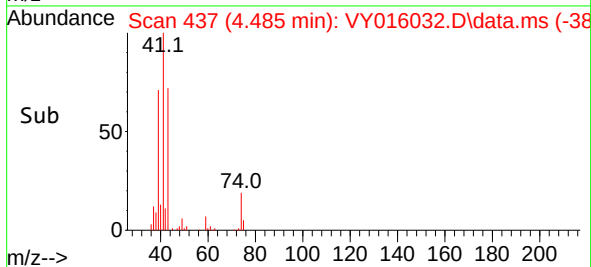
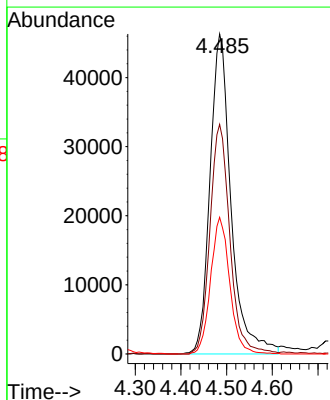
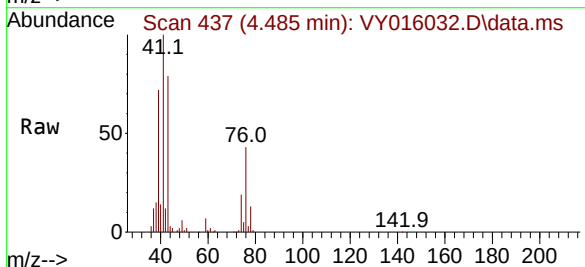
Tgt Ion: 41 Resp: 148374

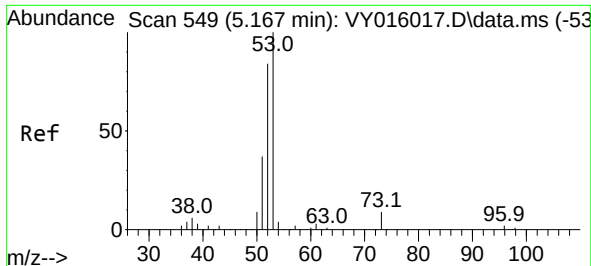
Ion Ratio Lower Upper

41 100

39 67.9 58.0 87.0

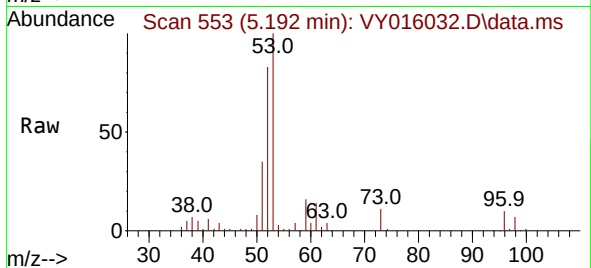
76 38.7 27.4 41.2





#15
Acrylonitrile
Concen: 393.588 ug/l
RT: 5.192 min Scan# 51
Delta R.T. 0.025 min
Lab File: VY016032.D
Acq: 18 Oct 2023 20:02

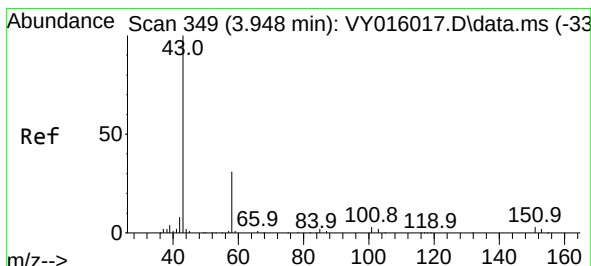
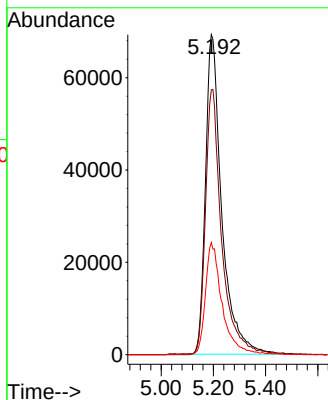
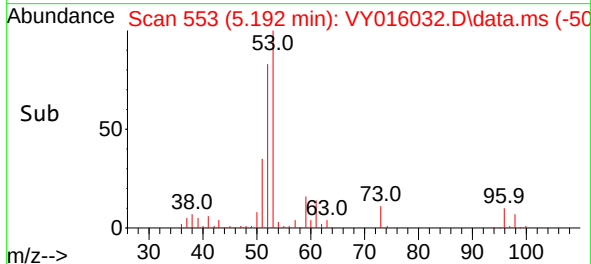
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC



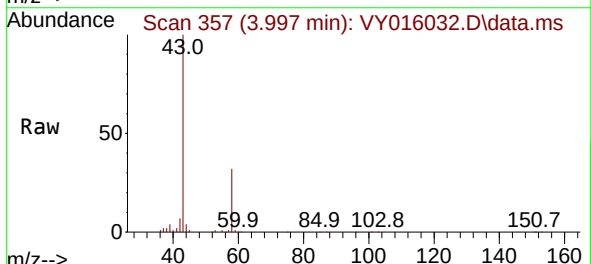
Tgt Ion: 53 Resp: 300230
Ion Ratio Lower Upper
53 100
52 81.5 66.9 100.3
51 35.1 29.8 44.6

Manual Integrations
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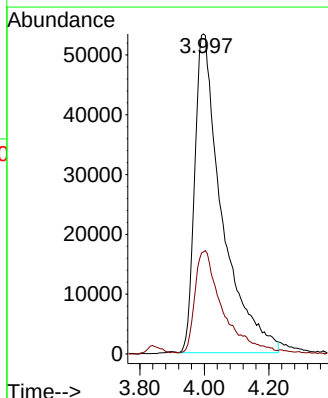
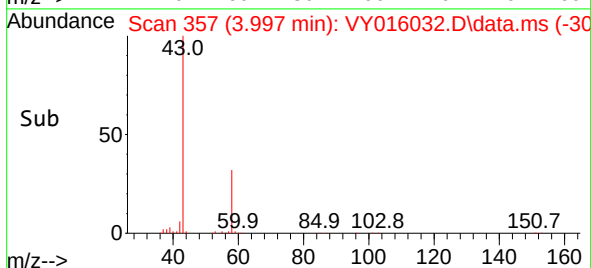
Reviewed By :John Carlone 10/19/2023
Supervised By :Semsettin Yesilyurt 10/20/2023

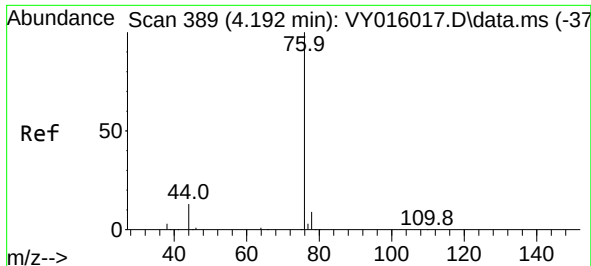


#16
Acetone
Concen: 365.330 ug/l
RT: 3.997 min Scan# 357
Delta R.T. 0.049 min
Lab File: VY016032.D
Acq: 18 Oct 2023 20:02



Tgt Ion: 43 Resp: 312527
Ion Ratio Lower Upper
43 100
58 31.7 22.7 34.1





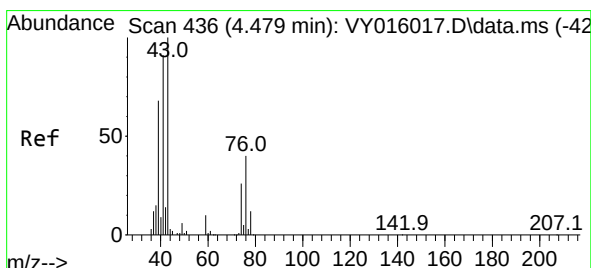
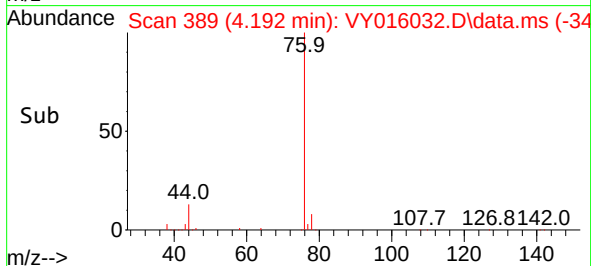
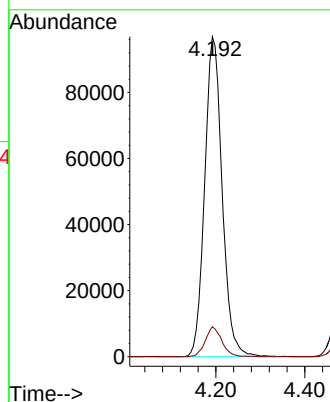
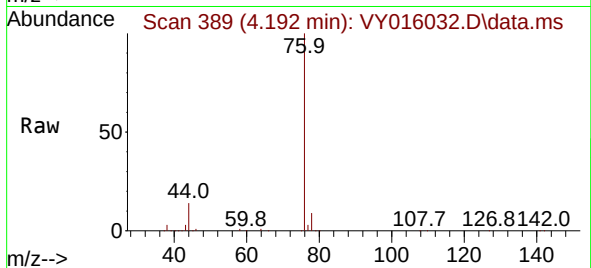
#17
Carbon Disulfide
Concen: 46.472 ug/l
RT: 4.192 min Scan# 389
Delta R.T. 0.000 min
Lab File: VY016032.D
Acq: 18 Oct 2023 20:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 76 Resp: 265198
Ion Ratio Lower Upper
76 100
78 9.4 7.0 10.4

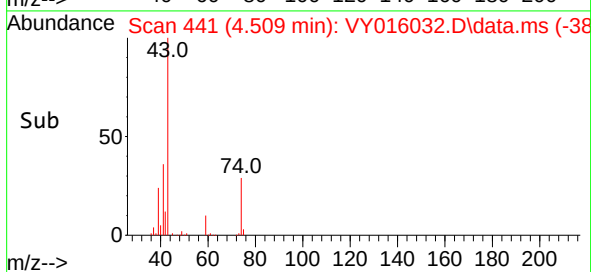
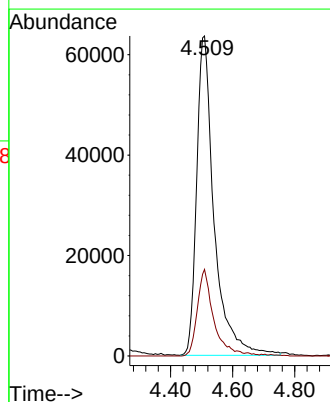
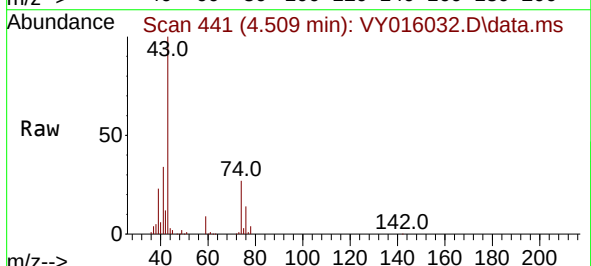
Manual Integrations
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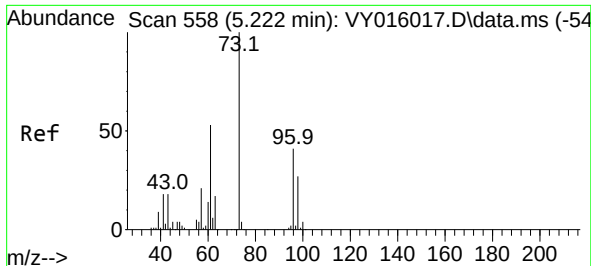
Reviewed By :John Carlone 10/19/2023
Supervised By :Semsettin Yesilyurt 10/20/2023



#18
Methyl Acetate
Concen: 84.285 ug/l
RT: 4.509 min Scan# 441
Delta R.T. 0.031 min
Lab File: VY016032.D
Acq: 18 Oct 2023 20:02

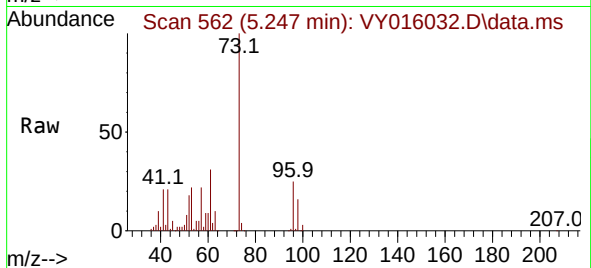
Tgt Ion: 43 Resp: 248169
Ion Ratio Lower Upper
43 100
74 25.1 17.4 26.0





#19
Methyl tert-butyl Ether
Concen: 52.859 ug/l
RT: 5.247 min Scan# 50
Delta R.T. 0.025 min
Lab File: VY016032.D
Acq: 18 Oct 2023 20:02

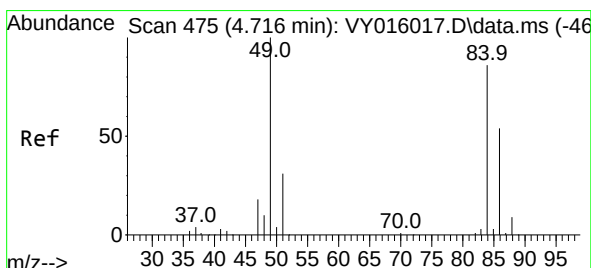
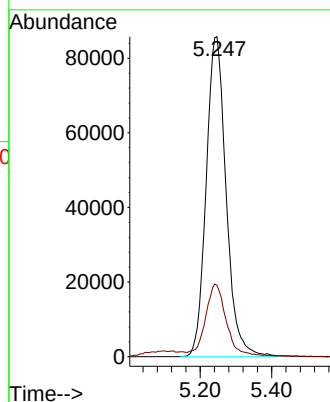
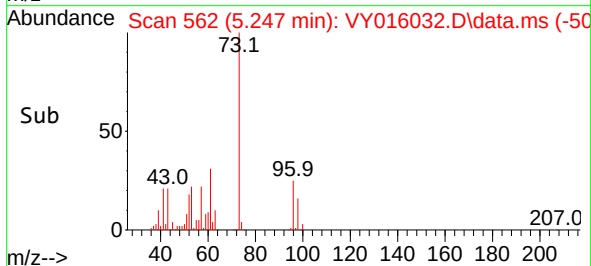
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC



Tgt Ion: 73 Resp: 332170
Ion Ratio Lower Upper
73 100
57 22.1 17.3 25.9

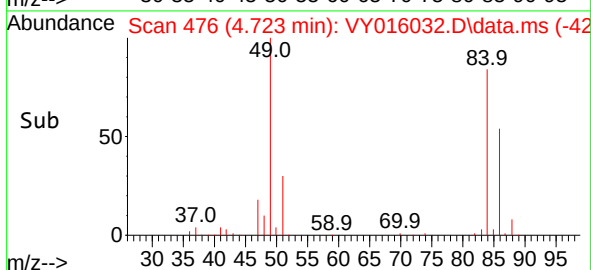
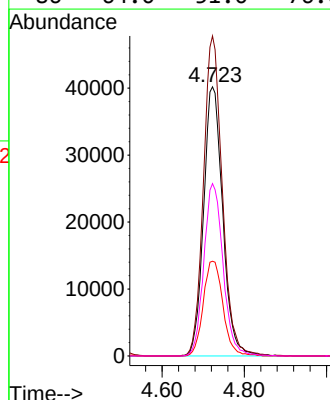
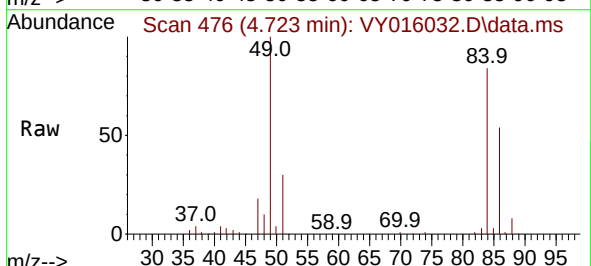
Manual Integrations
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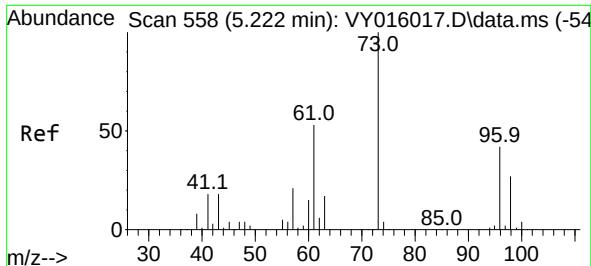
Reviewed By :John Carlone 10/19/2023
Supervised By :Semsettin Yesilyurt 10/20/2023



#20
Methylene Chloride
Concen: 51.009 ug/l
RT: 4.723 min Scan# 476
Delta R.T. 0.006 min
Lab File: VY016032.D
Acq: 18 Oct 2023 20:02

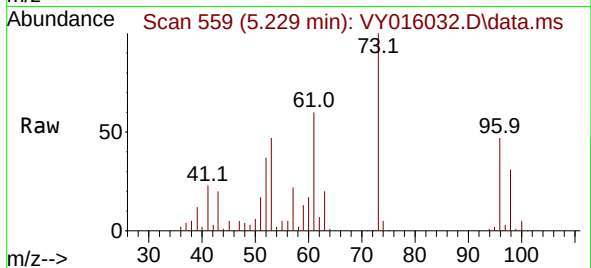
Tgt Ion: 84 Resp: 129632
Ion Ratio Lower Upper
84 100
49 118.9 106.9 160.3
51 35.2 33.2 49.8
86 64.0 51.0 76.6





#21
trans-1,2-Dichloroethene
Concen: 46.951 ug/l
RT: 5.229 min Scan# 511
Delta R.T. 0.006 min
Lab File: VY016032.D
Acq: 18 Oct 2023 20:02

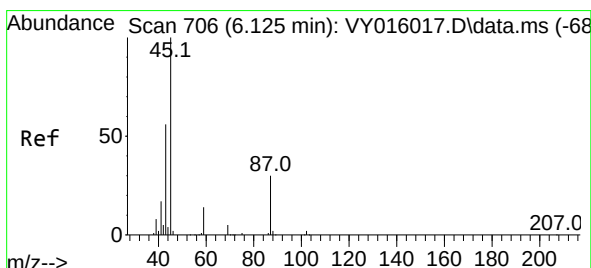
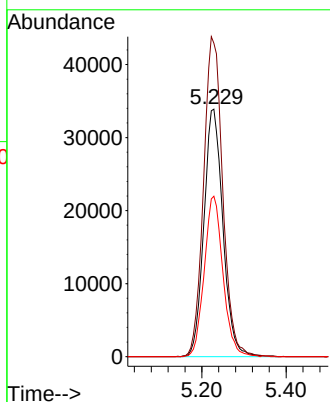
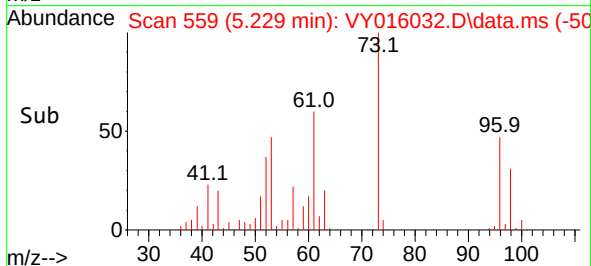
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC



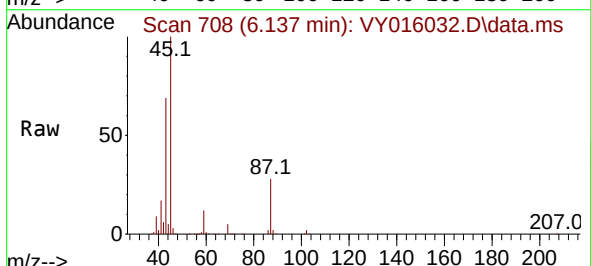
Tgt Ion: 96 Resp: 106504
Ion Ratio Lower Upper
96 100
61 126.6 110.2 165.4
98 64.9 51.8 77.6

Manual Integrations
APPROVED

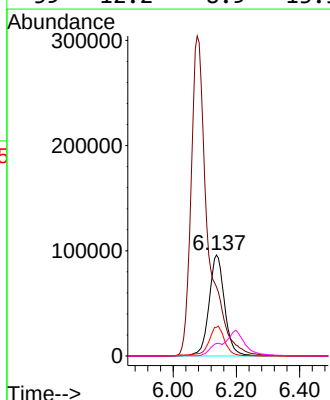
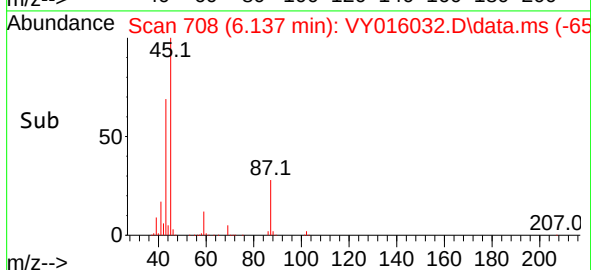
Reviewed By :John Carlone 10/19/2023
Supervised By :Semsettin Yesilyurt 10/20/2023

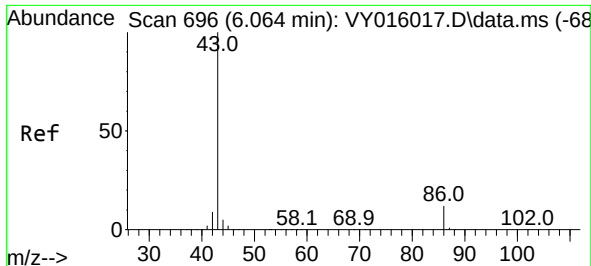


#22
Diisopropyl ether
Concen: 49.458 ug/l
RT: 6.137 min Scan# 708
Delta R.T. 0.012 min
Lab File: VY016032.D
Acq: 18 Oct 2023 20:02



Tgt Ion: 45 Resp: 328022
Ion Ratio Lower Upper
45 100
43 68.1 52.2 78.4
87 28.4 21.0 31.6
59 12.2 8.9 13.3





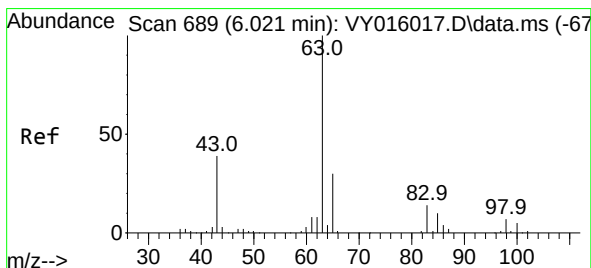
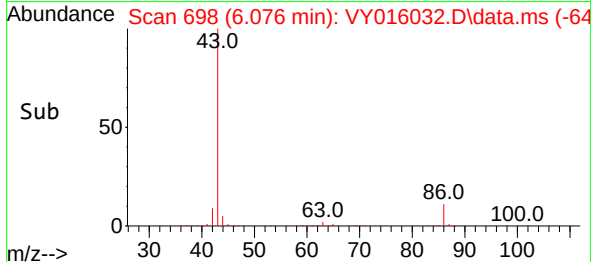
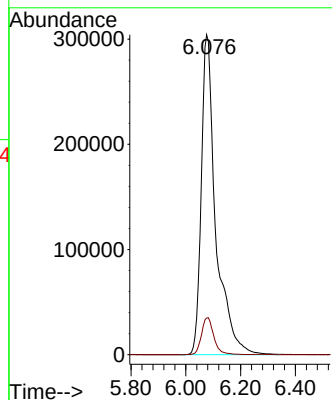
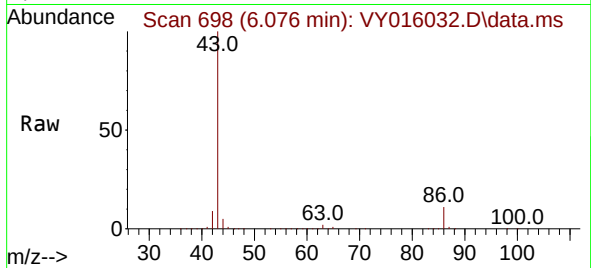
#23
 Vinyl Acetate
 Concen: 271.350 ug/l
 RT: 6.076 min Scan# 696
 Delta R.T. 0.012 min
 Lab File: VY016032.D
 Acq: 18 Oct 2023 20:02

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 43 Resp: 111636
 Ion Ratio Lower Upper
 43 100
 86 11.5 7.5 11.3

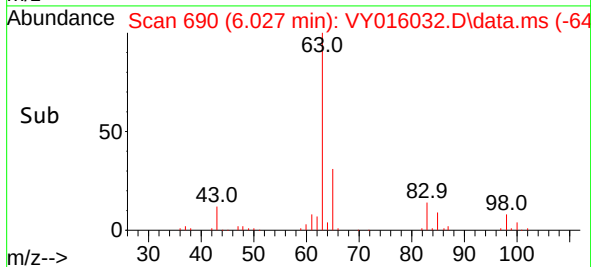
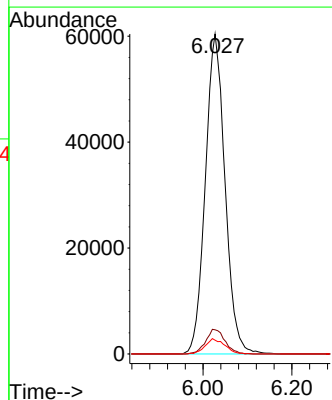
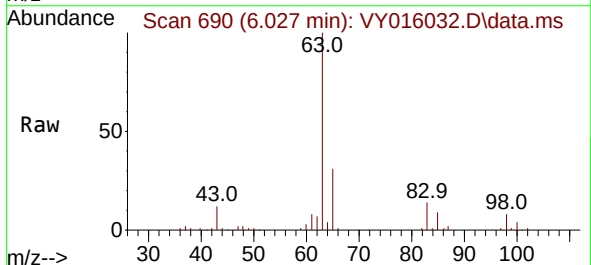
Manual Integrations
 APPROVED

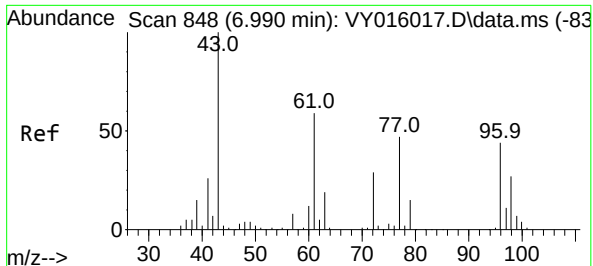
Reviewed By :John Carlone 10/19/2023
 Supervised By :Semsettin Yesilyurt 10/20/2023



#24
 1,1-Dichloroethane
 Concen: 47.332 ug/l
 RT: 6.027 min Scan# 690
 Delta R.T. 0.006 min
 Lab File: VY016032.D
 Acq: 18 Oct 2023 20:02

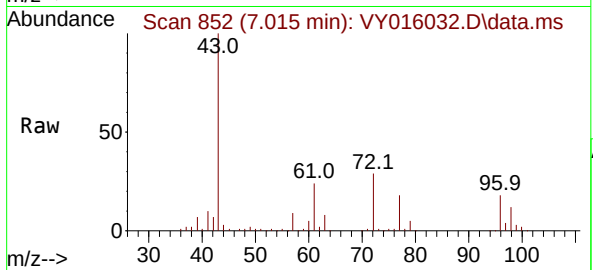
Tgt Ion: 63 Resp: 186234
 Ion Ratio Lower Upper
 63 100
 98 7.6 3.1 9.4
 100 4.3 1.8 5.5





#25
2-Butanone
Concen: 394.224 ug/l
RT: 7.015 min Scan# 848
Delta R.T. 0.025 min
Lab File: VY016032.D
Acq: 18 Oct 2023 20:02

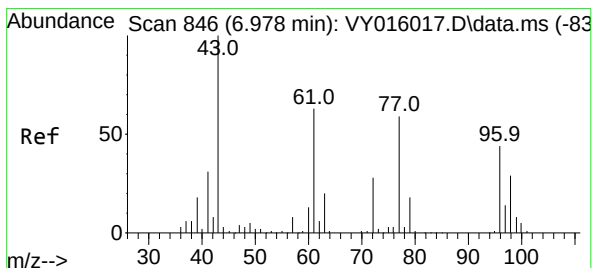
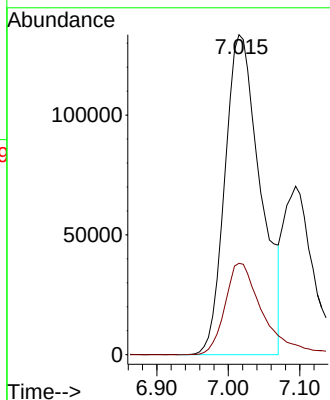
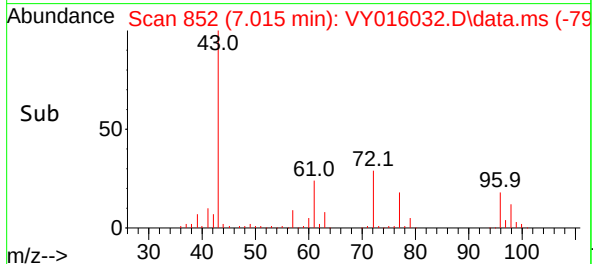
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC



Tgt Ion: 43 Resp: 46193
Ion Ratio Lower Upper
43 100
72 28.5 20.5 30.7

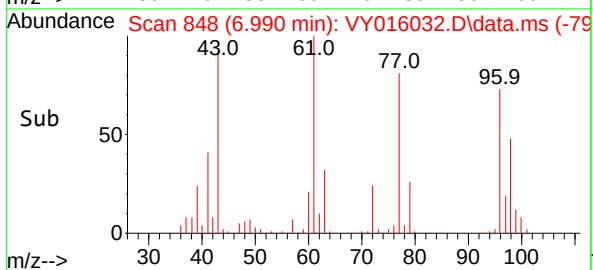
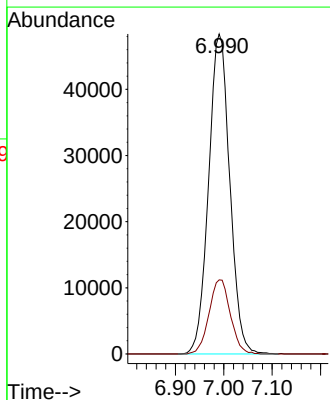
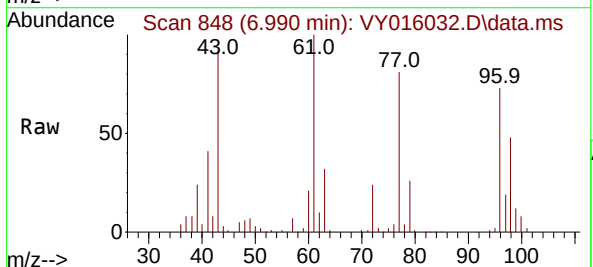
Manual Integrations
APPROVED

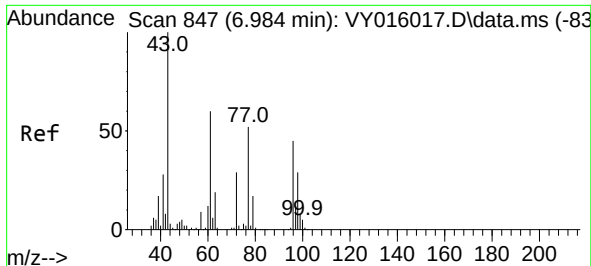
Reviewed By :John Carlone 10/19/2023
Supervised By :Semsettin Yesilyurt 10/20/2023



#26
2,2-Dichloropropane
Concen: 41.550 ug/l
RT: 6.990 min Scan# 848
Delta R.T. 0.012 min
Lab File: VY016032.D
Acq: 18 Oct 2023 20:02

Tgt Ion: 77 Resp: 147092
Ion Ratio Lower Upper
77 100
97 23.3 10.9 32.9





#27

cis-1,2-Dichloroethene

Concen: 47.019 ug/l

RT: 6.997 min Scan# 847

Delta R.T. 0.012 min

Lab File: VY016032.D

Acq: 18 Oct 2023 20:02

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 96 Resp: 12283

Ion Ratio Lower Upper

96 100

61 135.8 0.0 301.4

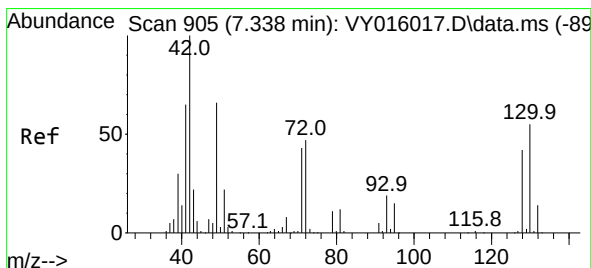
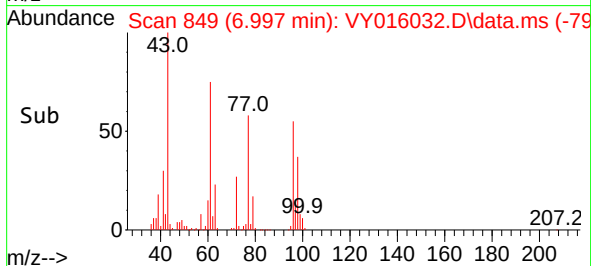
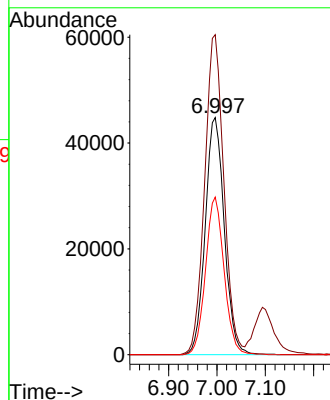
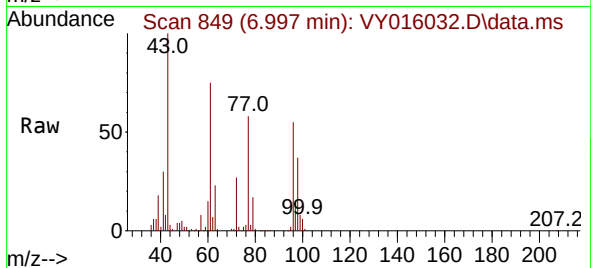
98 64.7 0.0 130.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/19/2023

Supervised By :Semsettin Yesilyurt 10/20/2023



#28

Bromochloromethane

Concen: 53.816 ug/l

RT: 7.344 min Scan# 906

Delta R.T. 0.006 min

Lab File: VY016032.D

Acq: 18 Oct 2023 20:02

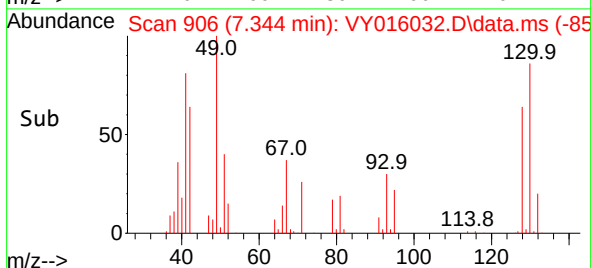
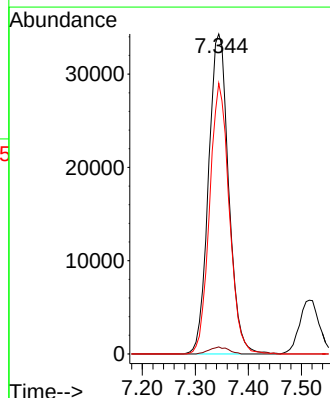
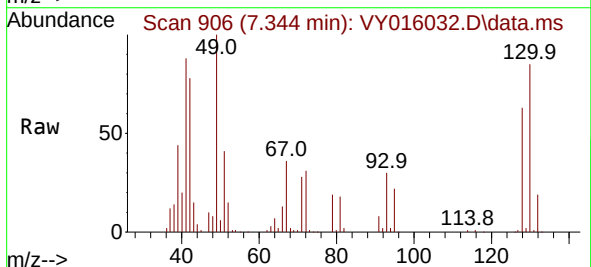
Tgt Ion: 49 Resp: 90559

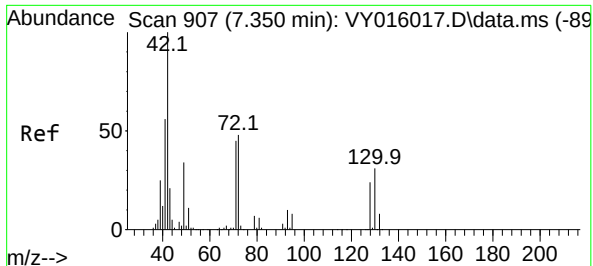
Ion Ratio Lower Upper

49 100

129 2.1 0.0 4.6

130 82.4 60.7 91.1





#29

Tetrahydrofuran

Concen: 458.419 ug/l

RT: 7.375 min Scan# 911

Delta R.T. 0.025 min

Lab File: VY016032.D

Acq: 18 Oct 2023 20:02

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

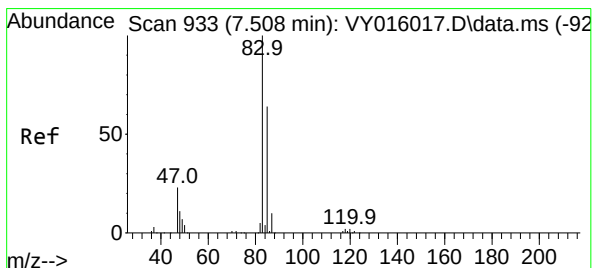
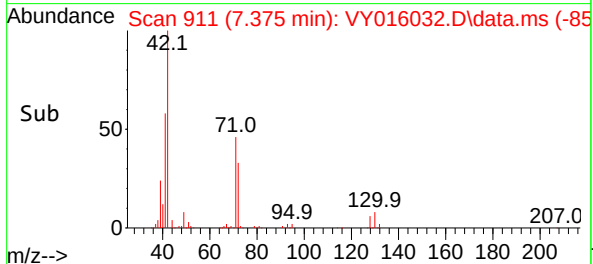
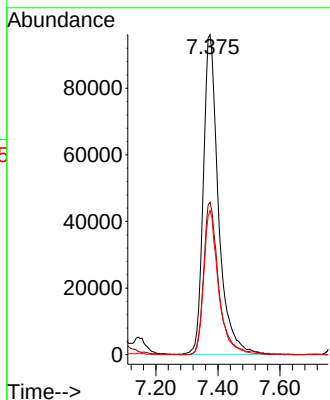
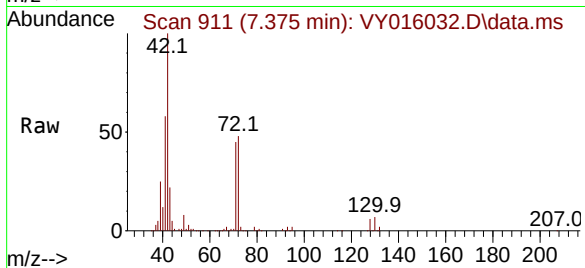
Tgt Ion:	42	Resp:	32514
Ion	Ratio	Lower	Upper
42	100		
72	46.9	32.8	49.2
71	44.3	31.0	46.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/19/2023

Supervised By :Semsettin Yesilyurt 10/20/2023



#30

Chloroform

Concen: 47.481 ug/l

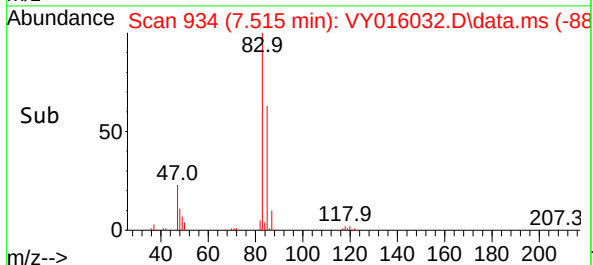
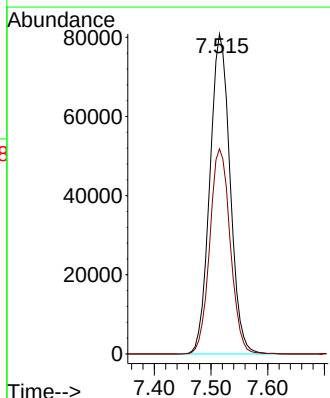
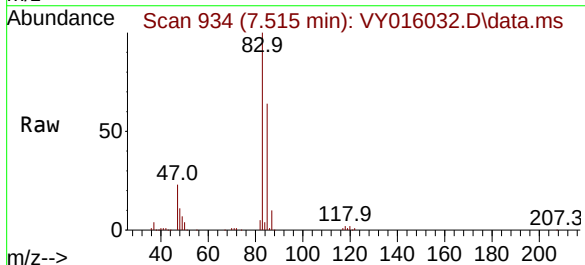
RT: 7.515 min Scan# 934

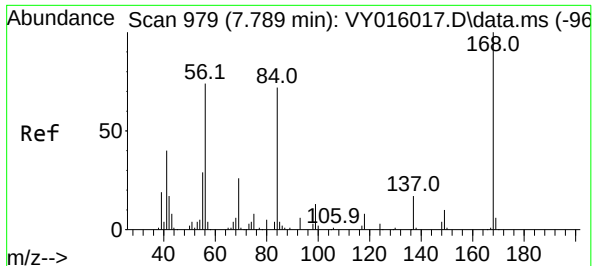
Delta R.T. 0.006 min

Lab File: VY016032.D

Acq: 18 Oct 2023 20:02

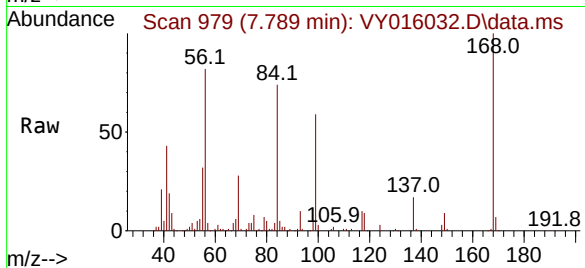
Tgt Ion:	83	Resp:	200313
Ion	Ratio	Lower	Upper
83	100		
85	64.1	49.7	74.5





#31
Cyclohexane
Concen: 43.979 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY016032.D
Acq: 18 Oct 2023 20:02

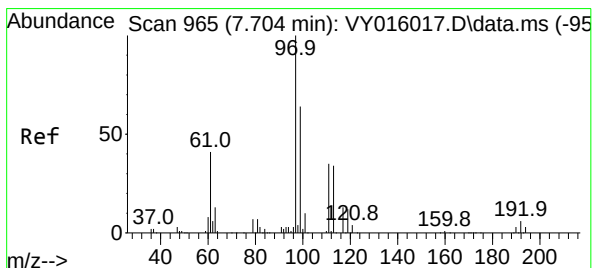
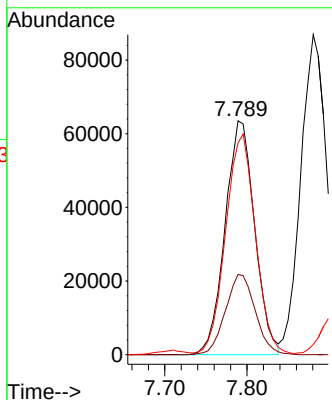
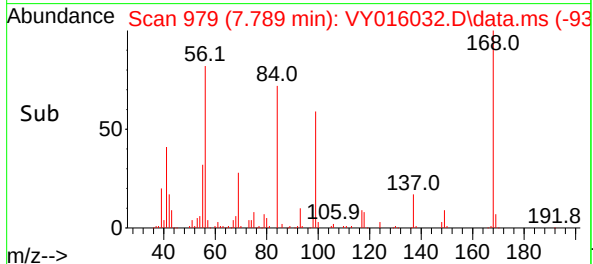
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC



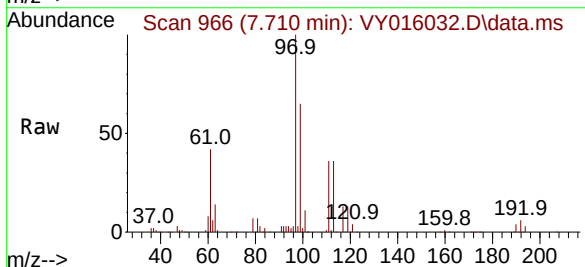
Tgt Ion: 56 Resp: 158858
Ion Ratio Lower Upper
56 100
69 34.3 27.8 41.6
84 89.0 66.4 99.6

Manual Integrations
APPROVED

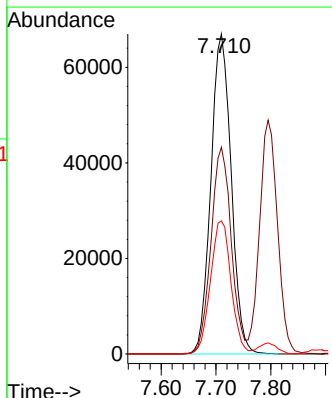
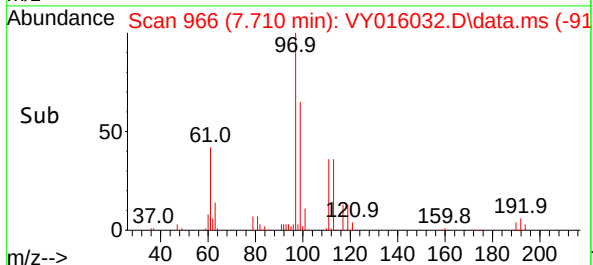
Reviewed By :John Carlone 10/19/2023
Supervised By :Semsettin Yesilyurt 10/20/2023

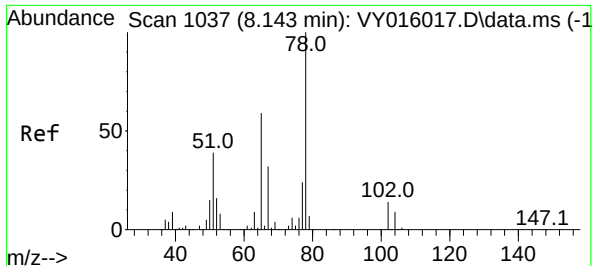


#32
1,1,1-Trichloroethane
Concen: 45.639 ug/l
RT: 7.710 min Scan# 966
Delta R.T. 0.006 min
Lab File: VY016032.D
Acq: 18 Oct 2023 20:02



Tgt Ion: 97 Resp: 172274
Ion Ratio Lower Upper
97 100
99 64.3 50.8 76.2
61 42.2 35.1 52.7





#33

1,2-Dichloroethane-d4

Concen: 47.893 ug/l

RT: 8.149 min Scan# 11052

Delta R.T. 0.006 min

Lab File: VY016032.D

Acq: 18 Oct 2023 20:02

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 65 Resp: 11052

Ion Ratio Lower Upper

65 100

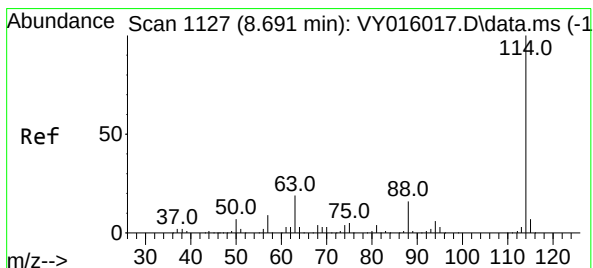
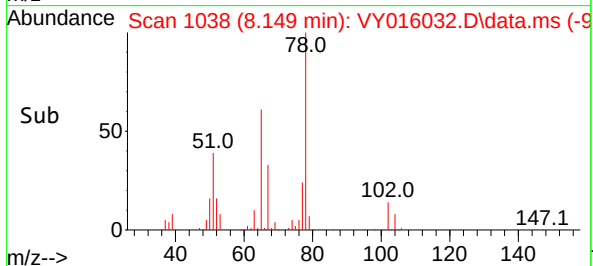
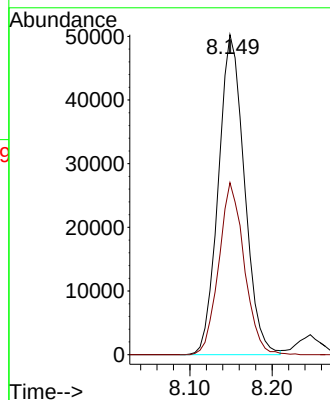
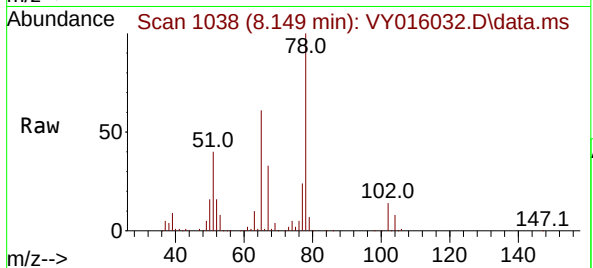
67 52.5 0.0 101.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/19/2023

Supervised By :Semsettin Yesilyurt 10/20/2023



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1128

Delta R.T. 0.006 min

Lab File: VY016032.D

Acq: 18 Oct 2023 20:02

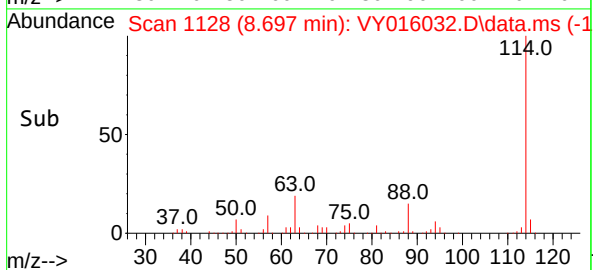
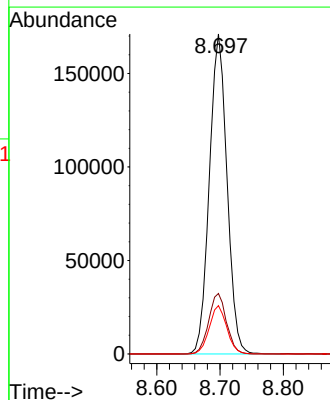
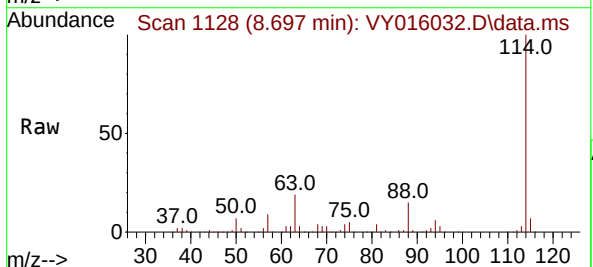
Tgt Ion:114 Resp: 331191

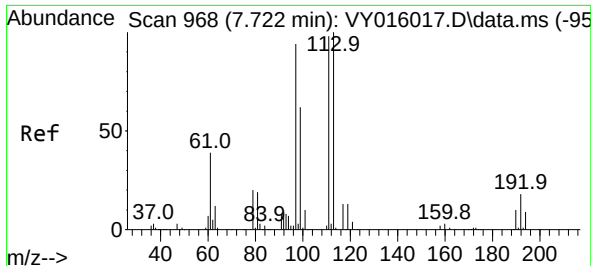
Ion Ratio Lower Upper

114 100

63 18.9 0.0 42.4

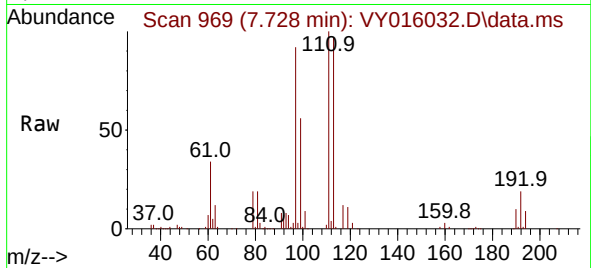
88 15.1 0.0 30.6





#35
Dibromofluoromethane
Concen: 45.136 ug/l
RT: 7.728 min Scan# 968
Delta R.T. 0.006 min
Lab File: VY016032.D
Acq: 18 Oct 2023 20:02

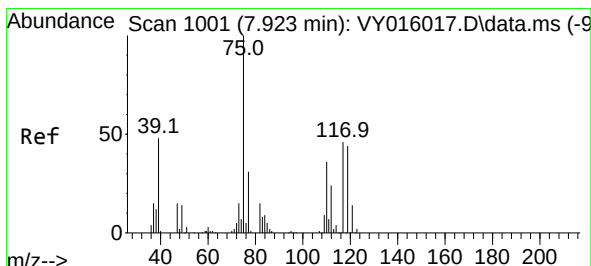
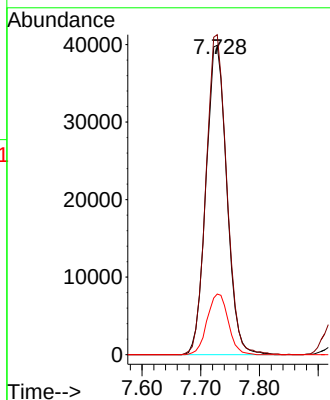
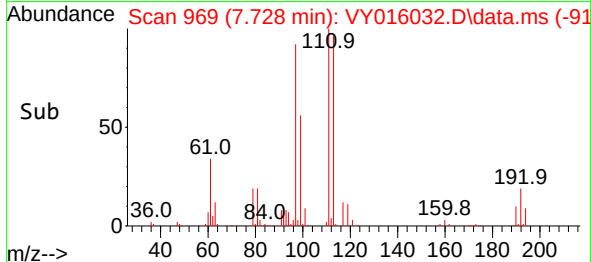
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC



Tgt Ion: 113 Resp: 9839
Ion Ratio Lower Upper
113 100
111 102.6 81.3 121.9
192 19.8 16.9 25.3

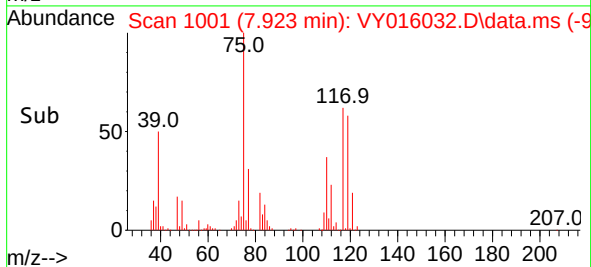
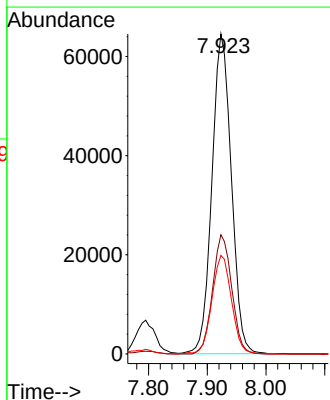
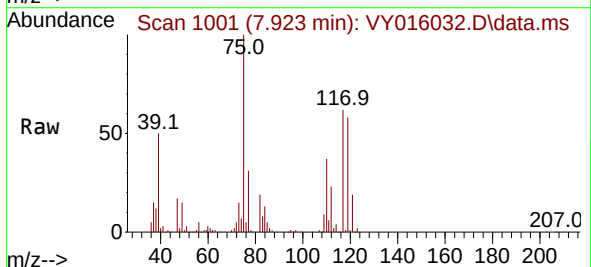
Manual Integrations
APPROVED

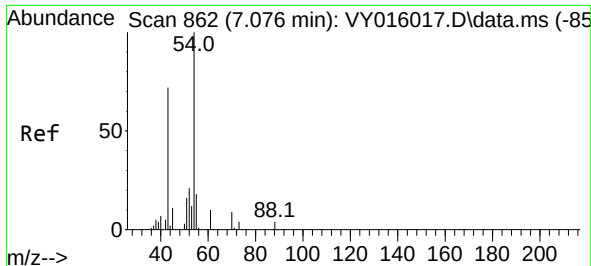
Reviewed By :John Carlone 10/19/2023
Supervised By :Semsettin Yesilyurt 10/20/2023



#36
1,1-Dichloropropene
Concen: 45.155 ug/l
RT: 7.923 min Scan# 1001
Delta R.T. 0.000 min
Lab File: VY016032.D
Acq: 18 Oct 2023 20:02

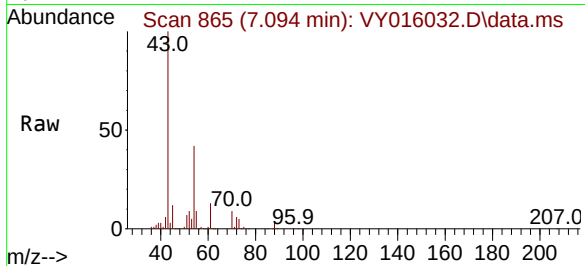
Tgt Ion: 75 Resp: 148094
Ion Ratio Lower Upper
75 100
110 36.7 17.8 53.5
77 31.1 24.4 36.6





#37
Ethyl Acetate
Concen: 89.346 ug/l
RT: 7.094 min Scan# 865
Delta R.T. 0.018 min
Lab File: VY016032.D
Acq: 18 Oct 2023 20:02

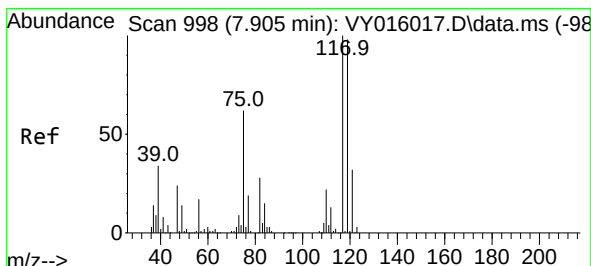
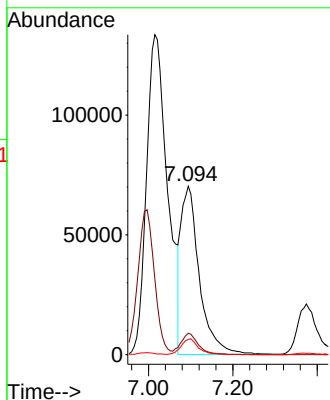
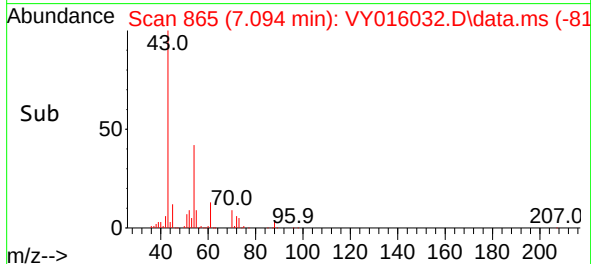
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC



Tgt Ion: 43 Resp: 21122
Ion Ratio Lower Upper
43 100
61 11.8 10.1 15.1
70 8.9 7.1 10.7

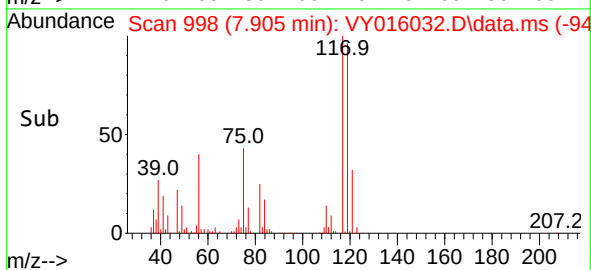
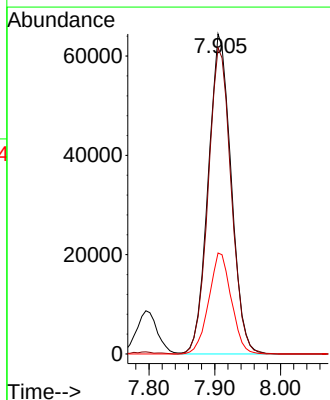
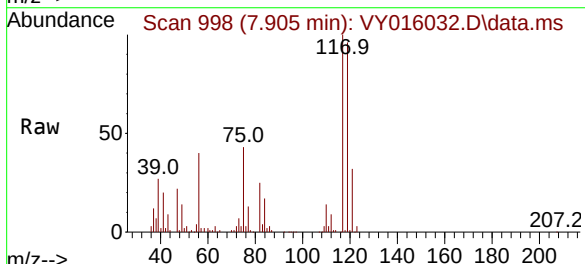
Manual Integrations
APPROVED

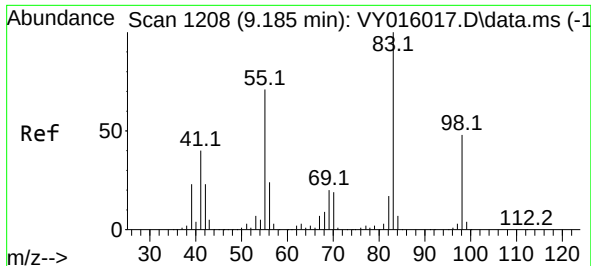
Reviewed By :John Carlone 10/19/2023
Supervised By :Semsettin Yesilyurt 10/20/2023



#38
Carbon Tetrachloride
Concen: 44.848 ug/l
RT: 7.905 min Scan# 998
Delta R.T. 0.000 min
Lab File: VY016032.D
Acq: 18 Oct 2023 20:02

Tgt Ion:117 Resp: 156334
Ion Ratio Lower Upper
117 100
119 95.6 76.4 114.6
121 31.6 25.8 38.6





#39

Methylcyclohexane

Concen: 45.077 ug/l

RT: 9.191 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY016032.D

Acq: 18 Oct 2023 20:02

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 83 Resp: 184758

Ion Ratio Lower Upper

83 100

55 67.9 63.0 94.4

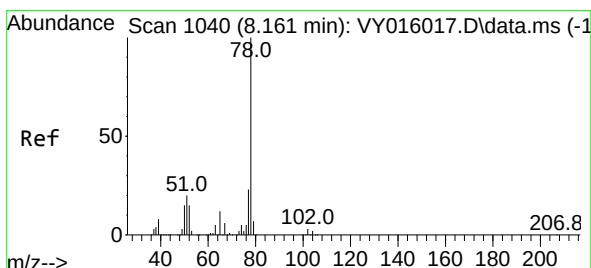
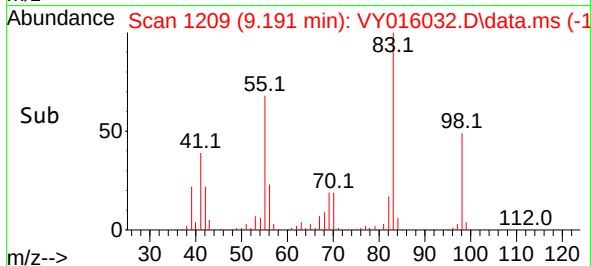
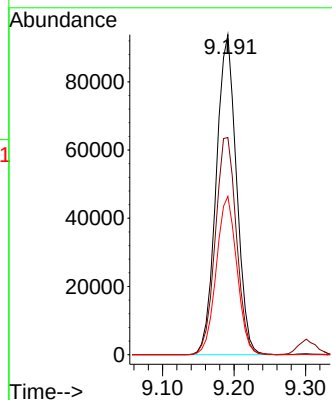
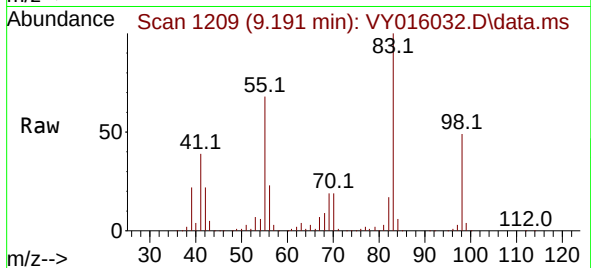
98 49.4 37.4 56.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/19/2023

Supervised By :Semsettin Yesilyurt 10/20/2023



#40

Benzene

Concen: 46.730 ug/l

RT: 8.167 min Scan# 1041

Delta R.T. 0.006 min

Lab File: VY016032.D

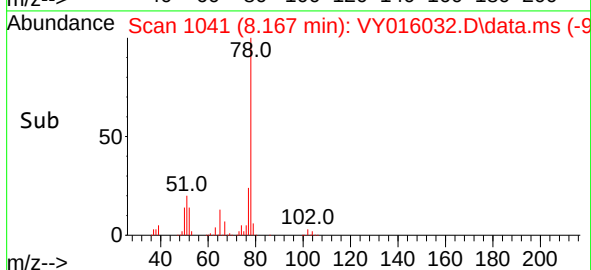
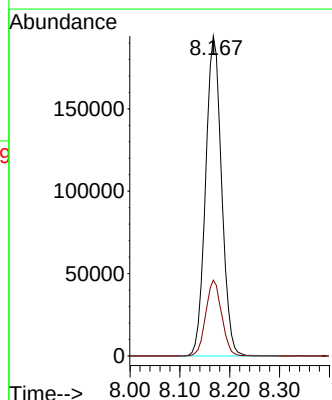
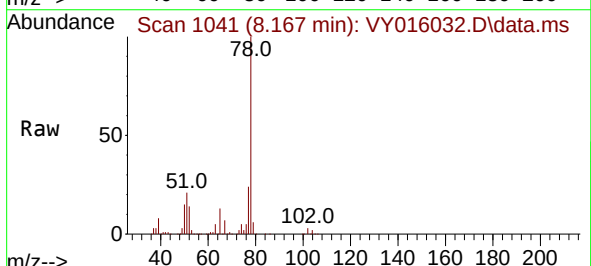
Acq: 18 Oct 2023 20:02

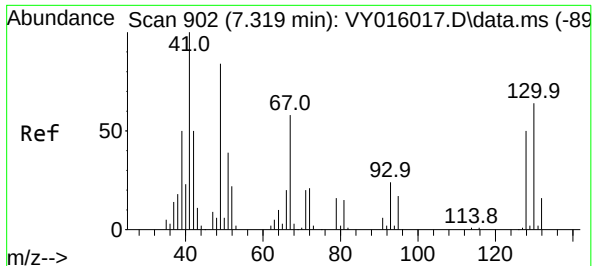
Tgt Ion: 78 Resp: 431951

Ion Ratio Lower Upper

78 100

77 23.7 19.0 28.6





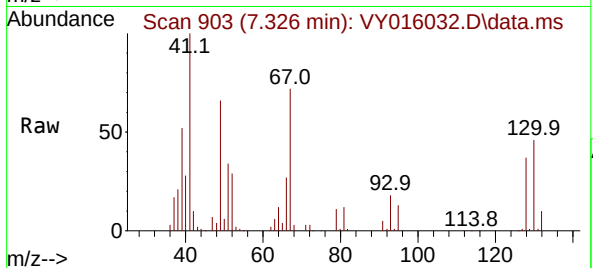
#41
Methacrylonitrile
Concen: 59.838 ug/l
RT: 7.326 min Scan# 902
Delta R.T. 0.006 min
Lab File: VY016032.D
Acq: 18 Oct 2023 20:02

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC



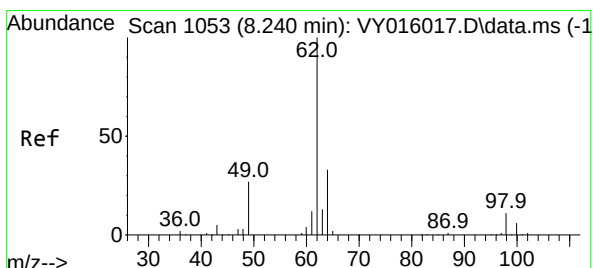
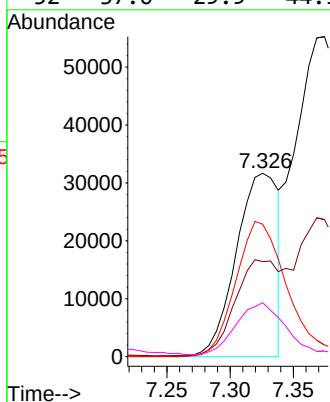
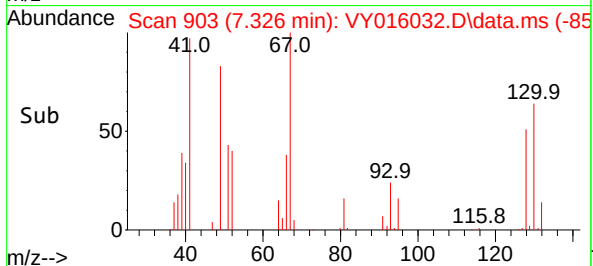
Tgt Ion: 41 Resp: 7338
Ion Ratio Lower Upper
41 100
39 52.9 52.1 78.1
67 91.6 66.2 99.2
52 37.0 29.9 44.9

Manual Integrations

APPROVED

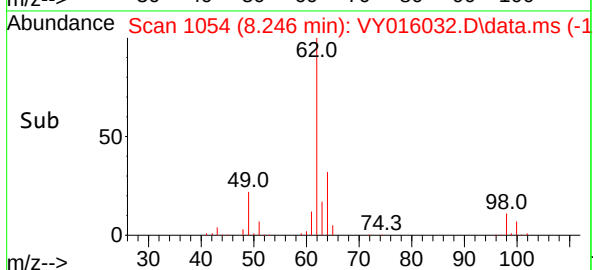
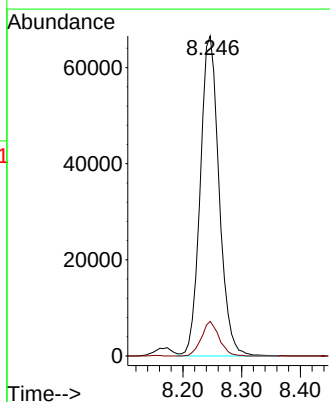
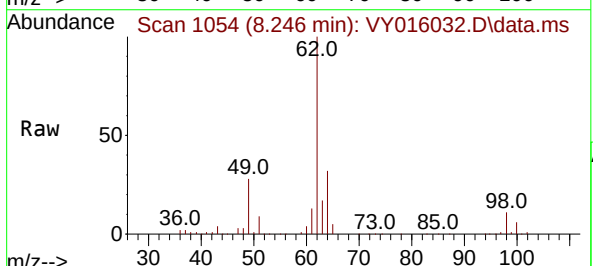
Reviewed By :John Carlone 10/19/2023

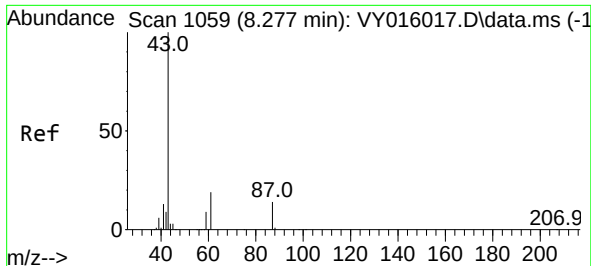
Supervised By :Semsettin Yesilyurt 10/20/2023



#42
1,2-Dichloroethane
Concen: 49.878 ug/l
RT: 8.246 min Scan# 1054
Delta R.T. 0.006 min
Lab File: VY016032.D
Acq: 18 Oct 2023 20:02

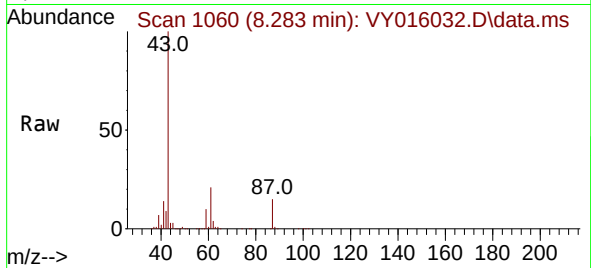
Tgt Ion: 62 Resp: 148514
Ion Ratio Lower Upper
62 100
98 10.2 0.0 15.8





#43
Isopropyl Acetate
Concen: 64.363 ug/l
RT: 8.283 min Scan# 1060
Delta R.T. 0.006 min
Lab File: VY016032.D
Acq: 18 Oct 2023 20:02

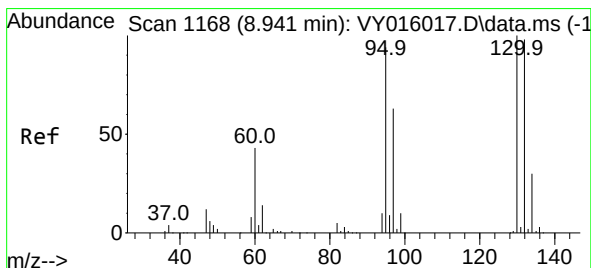
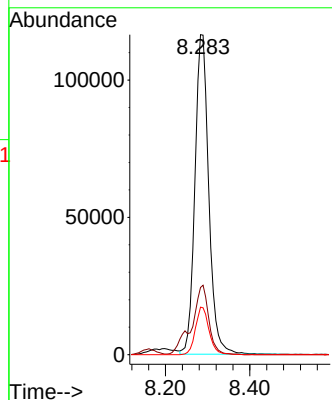
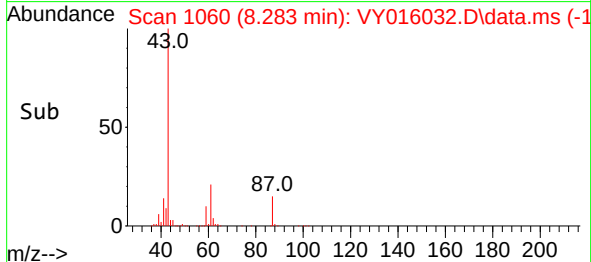
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC



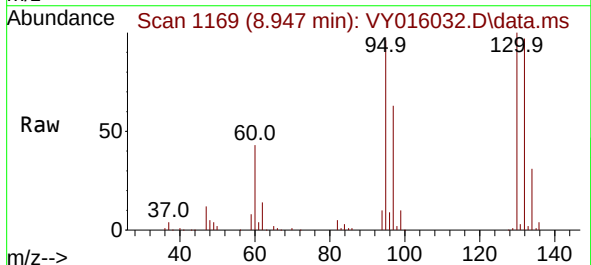
Tgt Ion: 43 Resp: 26603
Ion Ratio Lower Upper
43 100
61 27.1 21.1 31.7
87 14.6 9.8 14.8

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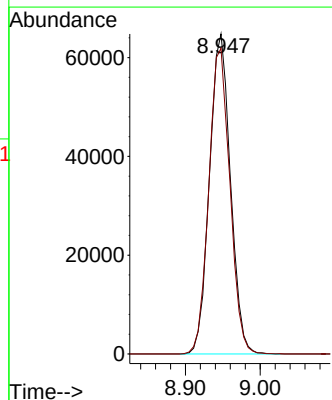
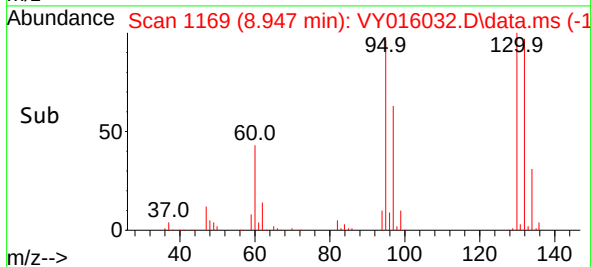
Reviewed By :John Carlone 10/19/2023
Supervised By :Semsettin Yesilyurt 10/20/2023

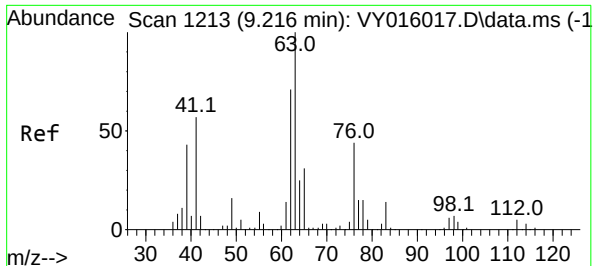


#44
Trichloroethene
Concen: 48.769 ug/l
RT: 8.947 min Scan# 1169
Delta R.T. 0.006 min
Lab File: VY016032.D
Acq: 18 Oct 2023 20:02



Tgt Ion:130 Resp: 126397
Ion Ratio Lower Upper
130 100
95 95.5 0.0 196.0





#45

1,2-Dichloropropane

Concen: 47.839 ug/l

RT: 9.222 min Scan# 11066

Delta R.T. 0.006 min

Lab File: VY016032.D

Acq: 18 Oct 2023 20:02

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 63 Resp: 11066

Ion Ratio Lower Upper

63 100

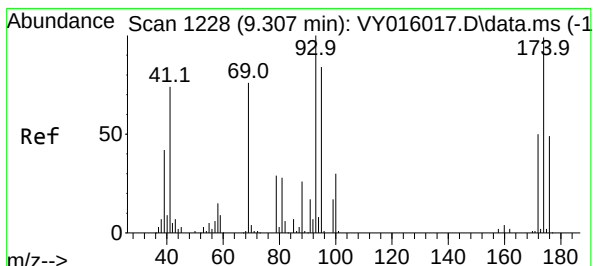
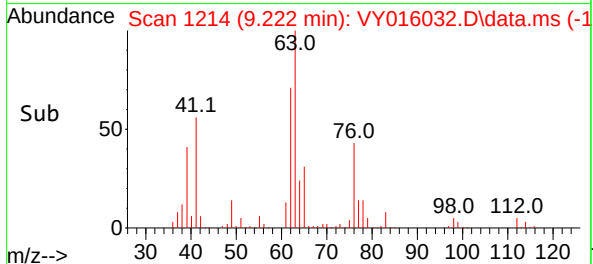
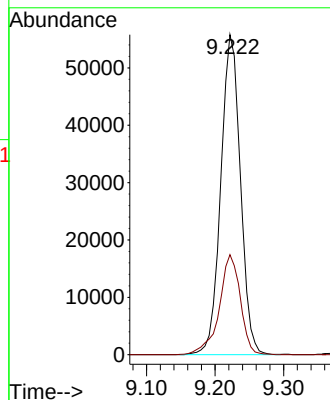
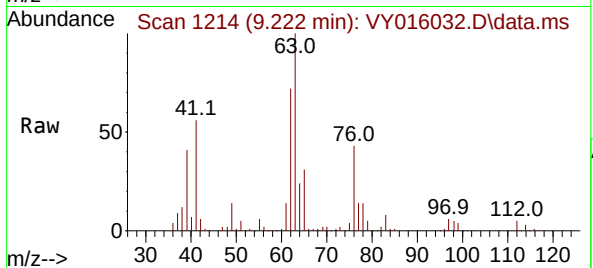
65 31.3 23.8 35.6

Manual Integrations

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Reviewed By :John Carlone 10/19/2023

Supervised By :Semsettin Yesilyurt 10/20/2023



#46

Dibromomethane

Concen: 52.173 ug/l

RT: 9.313 min Scan# 1229

Delta R.T. 0.006 min

Lab File: VY016032.D

Acq: 18 Oct 2023 20:02

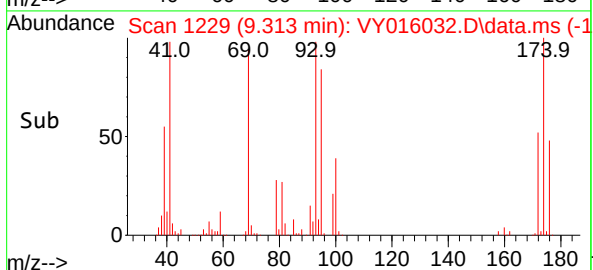
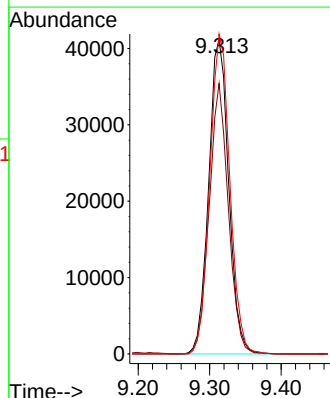
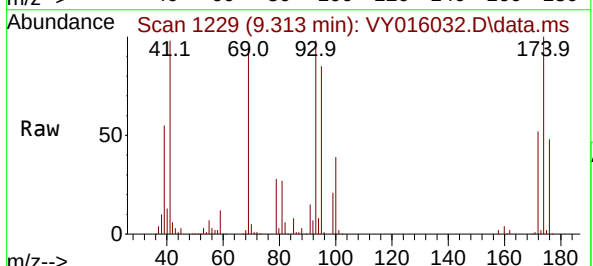
Tgt Ion: 93 Resp: 80126

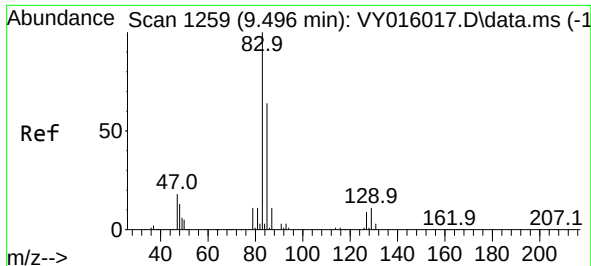
Ion Ratio Lower Upper

93 100

95 82.6 66.6 100.0

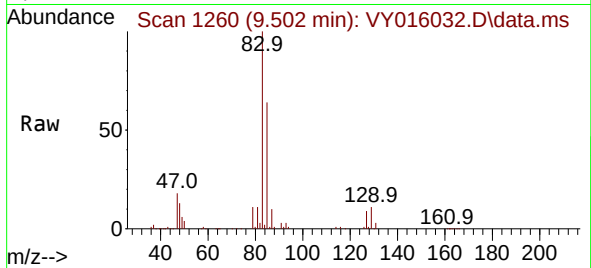
174 101.6 84.8 127.2





#47
Bromodichloromethane
Concen: 48.055 ug/l
RT: 9.502 min Scan# 1260
Delta R.T. 0.006 min
Lab File: VY016032.D
Acq: 18 Oct 2023 20:02

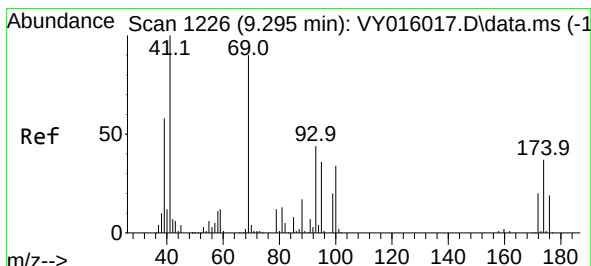
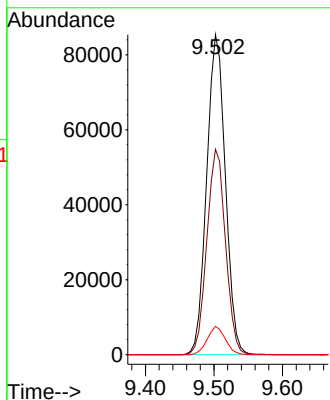
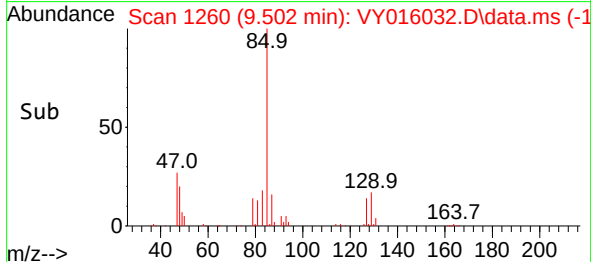
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC



Tgt Ion: 83 Resp: 161752
Ion Ratio Lower Upper
83 100
85 64.2 50.1 75.1
127 8.8 7.1 10.7

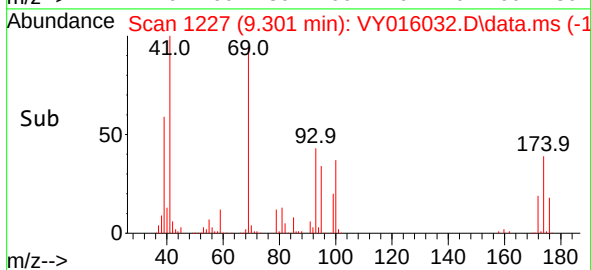
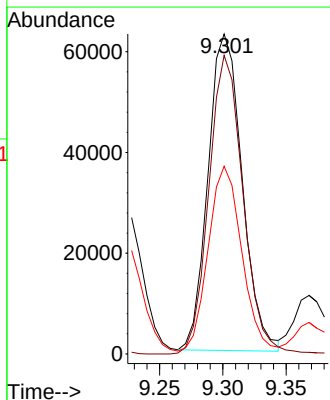
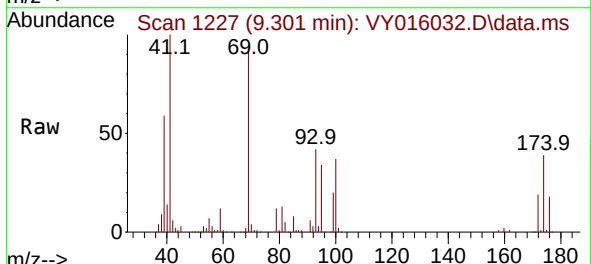
Manual Integrations
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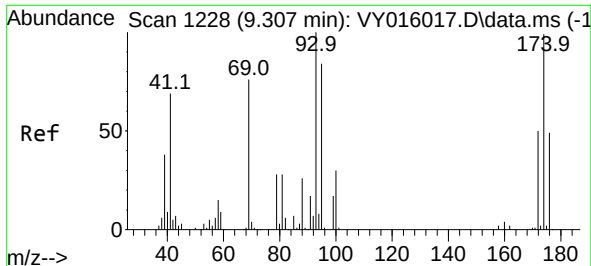
Reviewed By :John Carlone 10/19/2023
Supervised By :Semsettin Yesilyurt 10/20/2023



#48
Methyl methacrylate
Concen: 62.564 ug/l
RT: 9.301 min Scan# 1227
Delta R.T. 0.006 min
Lab File: VY016032.D
Acq: 18 Oct 2023 20:02

Tgt Ion: 41 Resp: 117710
Ion Ratio Lower Upper
41 100
69 94.7 64.5 96.7
39 57.4 50.8 76.2





#49

1,4-Dioxane

Concen: 2271.306 ug/l

RT: 9.374 min Scan# 1228

Delta R.T. 0.067 min

Lab File: VY016032.D

Acq: 18 Oct 2023 20:02

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

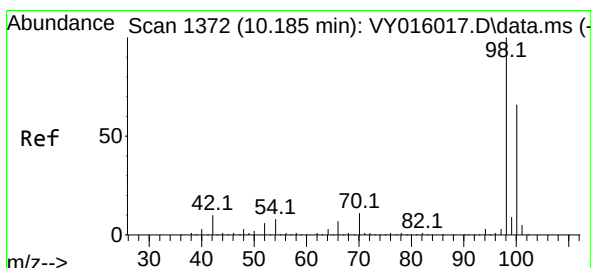
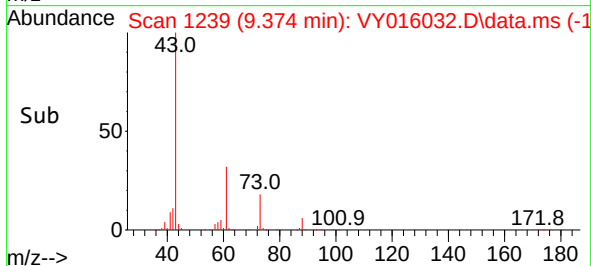
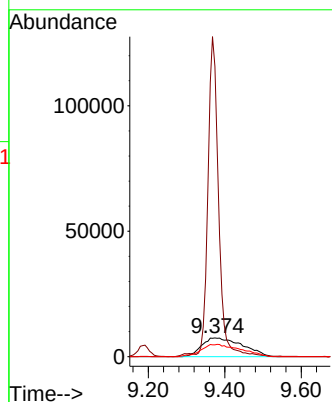
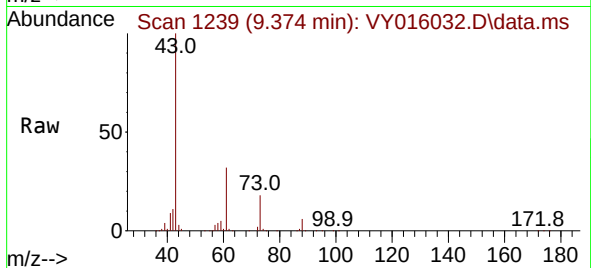
Tgt Ion: 88 Resp: 55544
 Ion Ratio Lower Upper
 88 100
 43 440.5 0.0 0.0
 58 63.4 30.9 46.3

Manual Integrations

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Reviewed By :John Carlone 10/19/2023

Supervised By :Semsettin Yesilyurt 10/20/2023



#50

Toluene-d8

Concen: 44.565 ug/l

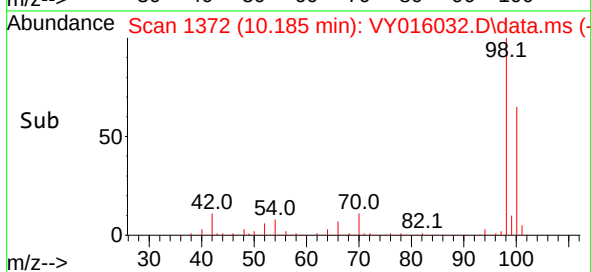
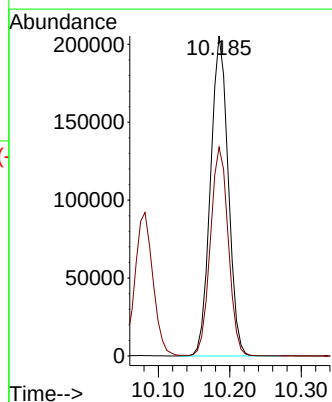
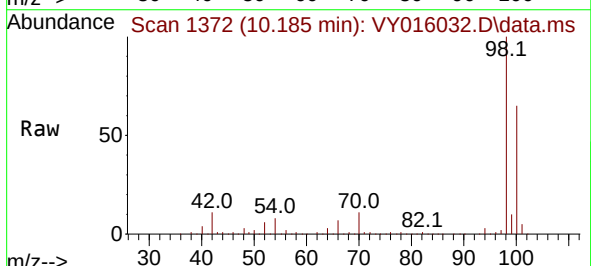
RT: 10.185 min Scan# 1372

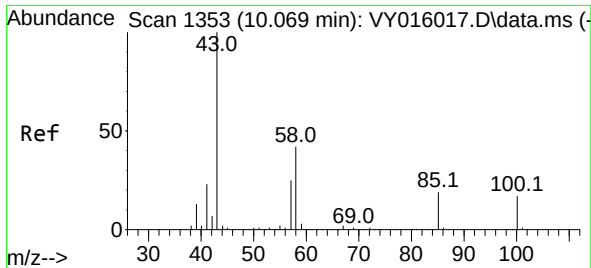
Delta R.T. 0.000 min

Lab File: VY016032.D

Acq: 18 Oct 2023 20:02

Tgt Ion: 98 Resp: 352833
 Ion Ratio Lower Upper
 98 100
 100 66.1 50.1 75.1





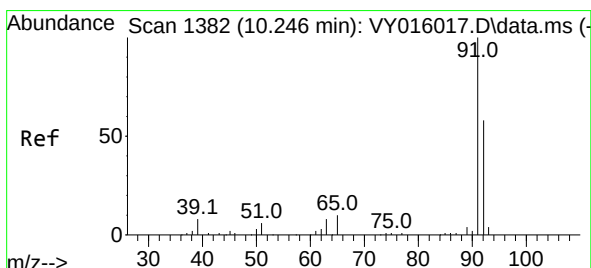
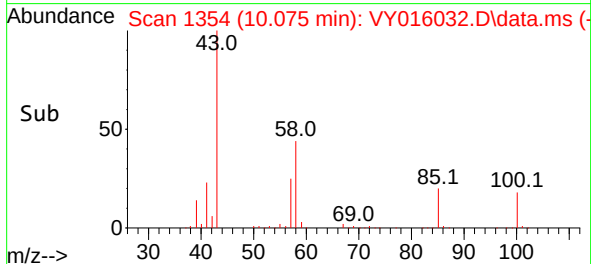
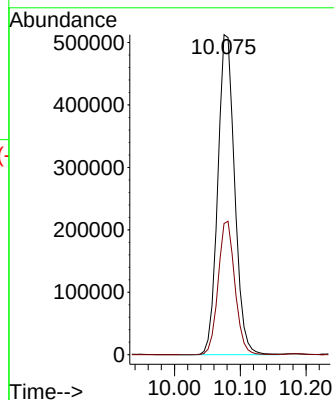
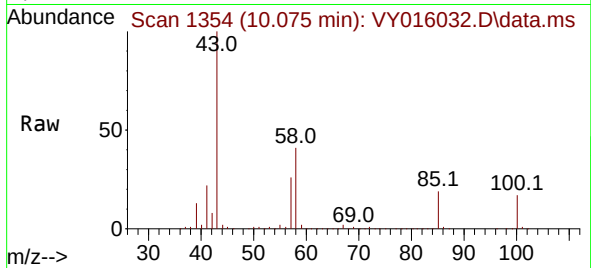
#51
4-Methyl-2-Pentanone
Concen: 384.494 ug/l
RT: 10.075 min Scan# 1353
Delta R.T. 0.006 min
Lab File: VY016032.D
Acq: 18 Oct 2023 20:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 913890
Ion Ratio Lower Upper
43 100
58 41.4 29.0 43.6

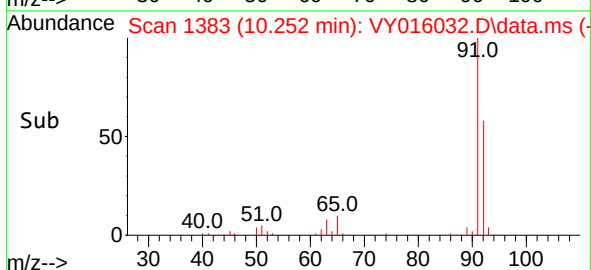
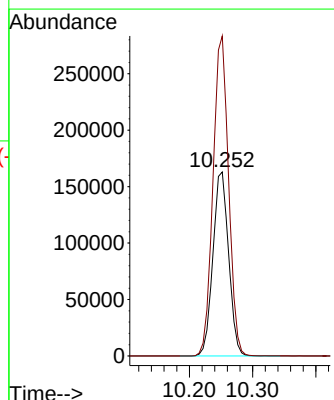
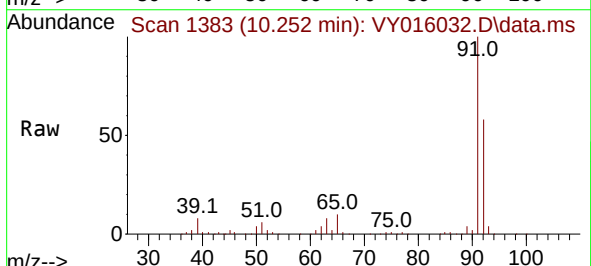
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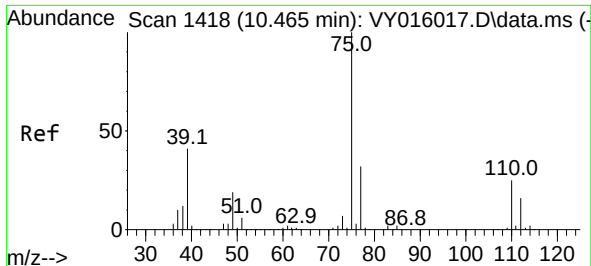
Reviewed By :John Carlone 10/19/2023
Supervised By :Semsettin Yesilyurt 10/20/2023



#52
Toluene
Concen: 46.736 ug/l
RT: 10.252 min Scan# 1383
Delta R.T. 0.006 min
Lab File: VY016032.D
Acq: 18 Oct 2023 20:02

Tgt Ion: 92 Resp: 280208
Ion Ratio Lower Upper
92 100
91 172.5 143.8 215.6





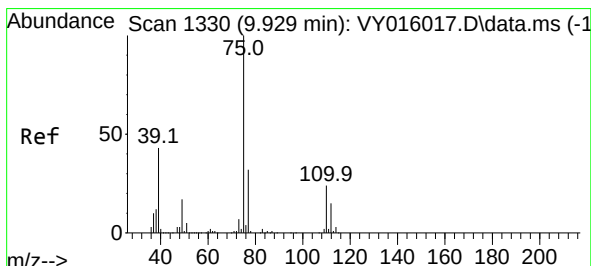
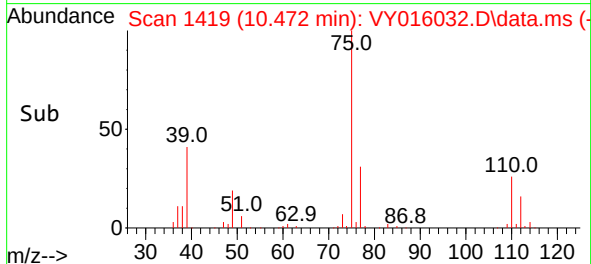
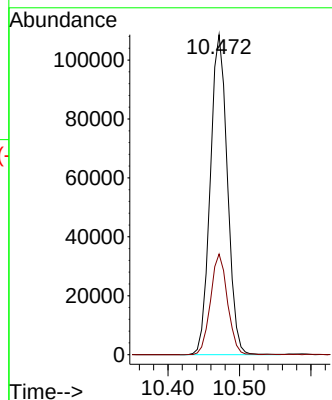
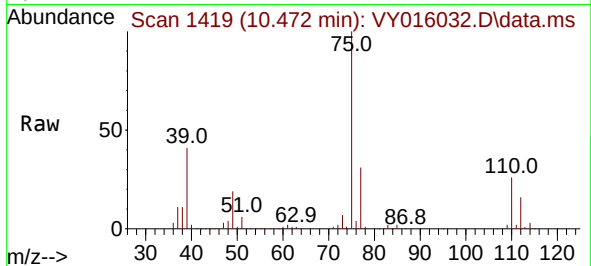
#53
 t-1,3-Dichloropropene
 Concen: 49.488 ug/l
 RT: 10.472 min Scan# 1418
 Delta R.T. 0.006 min
 Lab File: VY016032.D
 Acq: 18 Oct 2023 20:02

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 75 Resp: 180449
 Ion Ratio Lower Upper
 75 100
 77 31.4 25.0 37.4

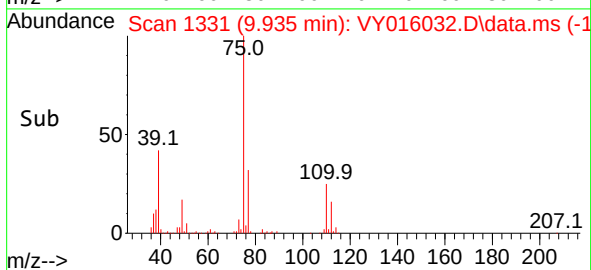
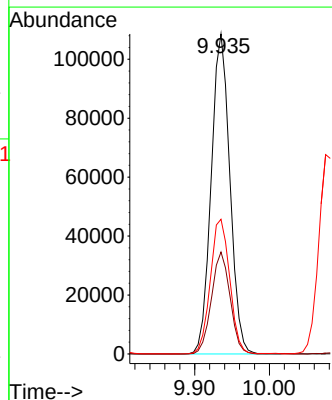
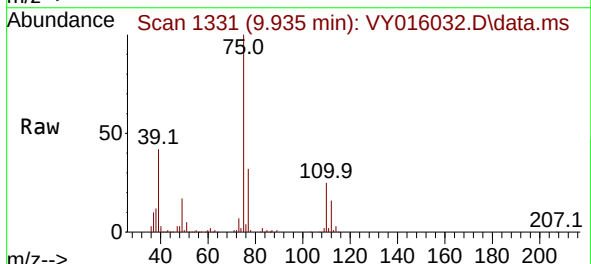
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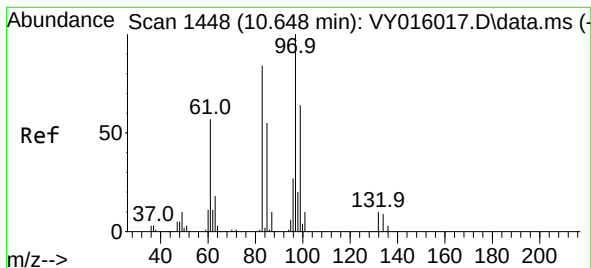
Reviewed By :John Carlone 10/19/2023
 Supervised By :Semsettin Yesilyurt 10/20/2023



#54
 cis-1,3-Dichloropropene
 Concen: 47.466 ug/l
 RT: 9.935 min Scan# 1331
 Delta R.T. 0.006 min
 Lab File: VY016032.D
 Acq: 18 Oct 2023 20:02

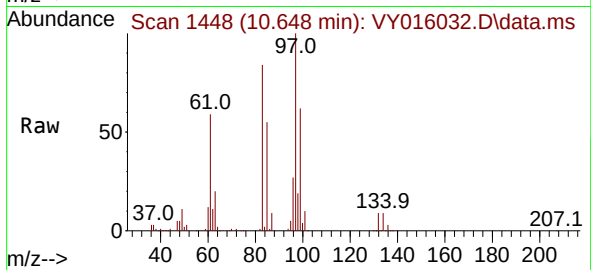
Tgt Ion: 75 Resp: 188663
 Ion Ratio Lower Upper
 75 100
 77 31.9 24.2 36.4
 39 42.1 42.2 63.4#





#55
1,1,2-Trichloroethane
Concen: 52.622 ug/l
RT: 10.648 min Scan# 1448
Delta R.T. 0.000 min
Lab File: VY016032.D
Acq: 18 Oct 2023 20:02

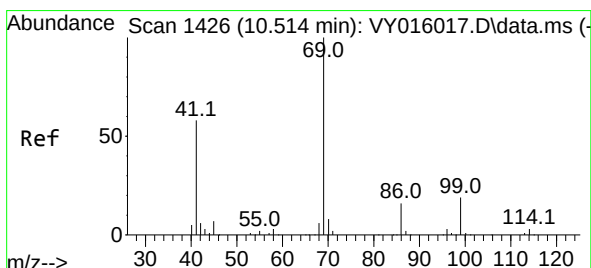
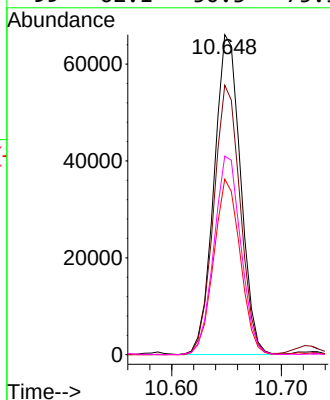
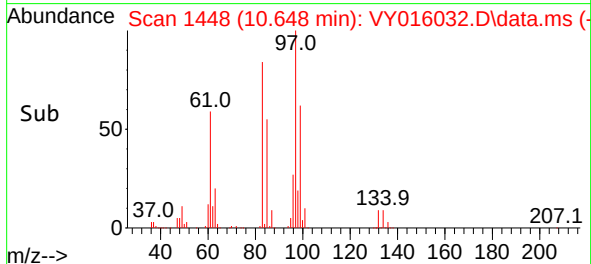
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC



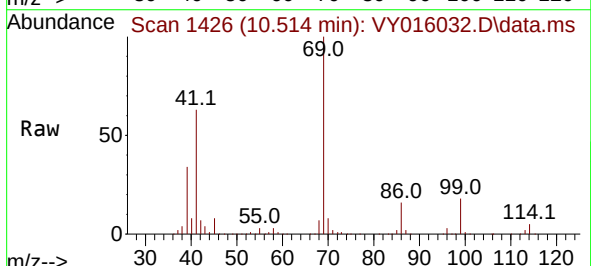
Tgt Ion: 97 Resp: 111027
Ion Ratio Lower Upper
97 100
83 84.3 72.0 108.0
85 54.9 45.4 68.0
99 62.1 50.3 75.5

Manual Integrations
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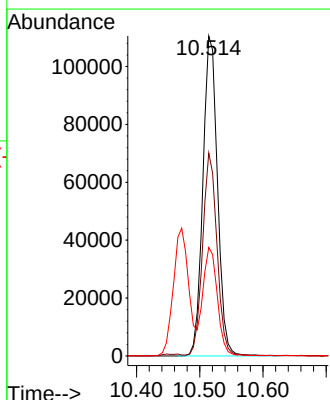
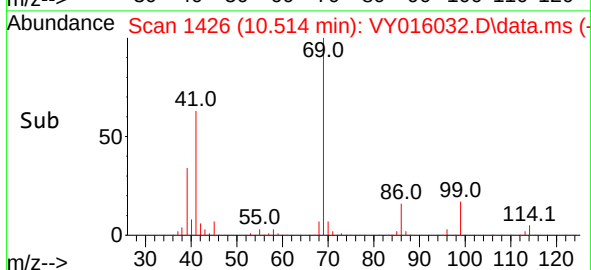
Reviewed By :John Carlone 10/19/2023
Supervised By :Semsettin Yesilyurt 10/20/2023

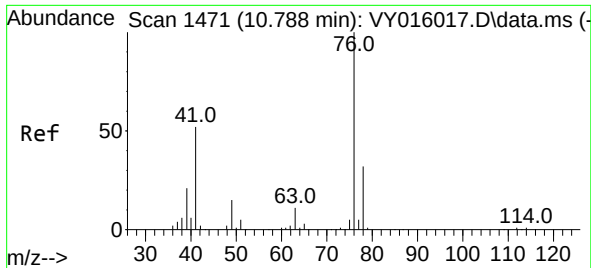


#56
Ethyl methacrylate
Concen: 57.697 ug/l
RT: 10.514 min Scan# 1426
Delta R.T. 0.000 min
Lab File: VY016032.D
Acq: 18 Oct 2023 20:02



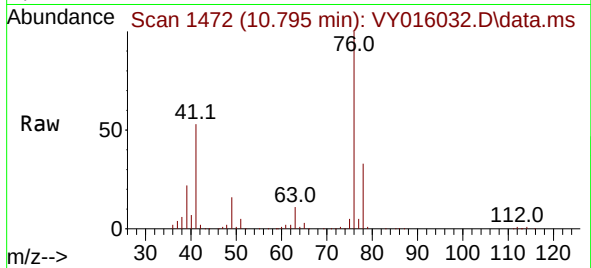
Tgt Ion: 69 Resp: 177907
Ion Ratio Lower Upper
69 100
41 62.2 57.6 86.4
39 32.9 34.1 51.1#





#57
1,3-Dichloropropane
Concen: 52.021 ug/l
RT: 10.795 min Scan# 1471
Delta R.T. 0.006 min
Lab File: VY016032.D
Acq: 18 Oct 2023 20:02

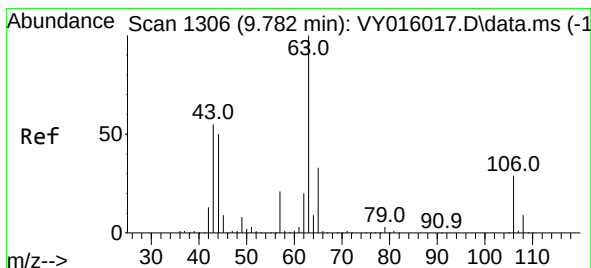
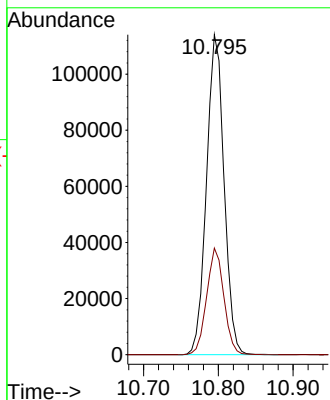
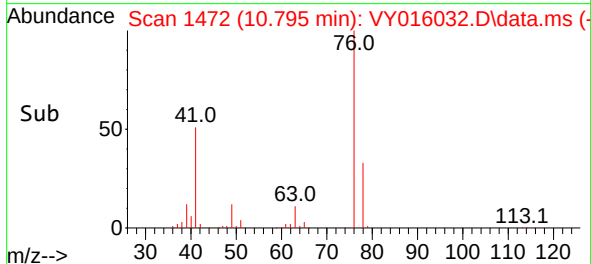
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC



Tgt Ion: 76 Resp: 186198
Ion Ratio Lower Upper
76 100
78 32.7 25.3 37.9

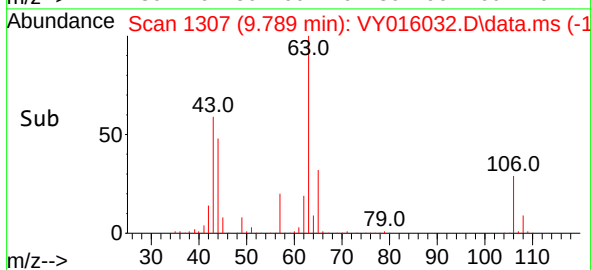
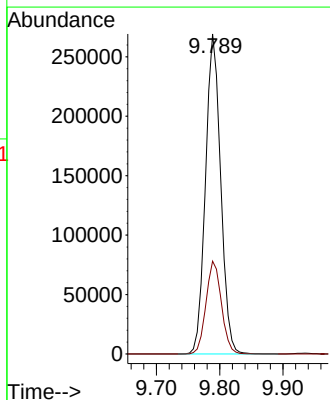
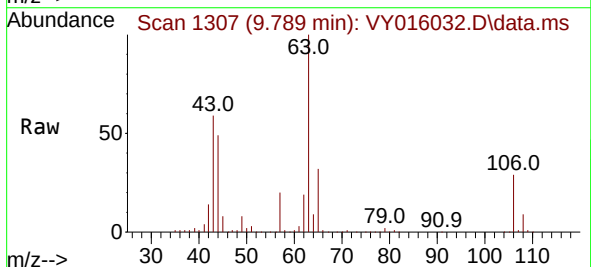
Manual Integrations
APPROVED

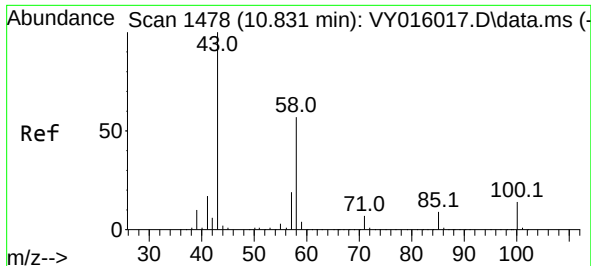
Reviewed By :John Carlone 10/19/2023
Supervised By :Semsettin Yesilyurt 10/20/2023



#58
2-Chloroethyl Vinyl ether
Concen: 303.767 ug/l
RT: 9.789 min Scan# 1307
Delta R.T. 0.006 min
Lab File: VY016032.D
Acq: 18 Oct 2023 20:02

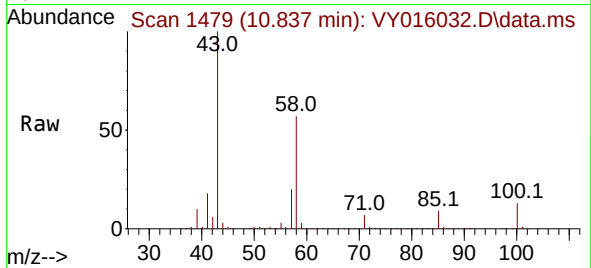
Tgt Ion: 63 Resp: 449898
Ion Ratio Lower Upper
63 100
106 29.4 21.2 31.8





#59
2-Hexanone
Concen: 413.179 ug/l
RT: 10.837 min Scan# 1478
Delta R.T. 0.006 min
Lab File: VY016032.D
Acq: 18 Oct 2023 20:02

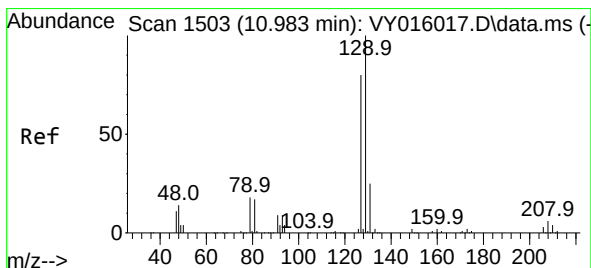
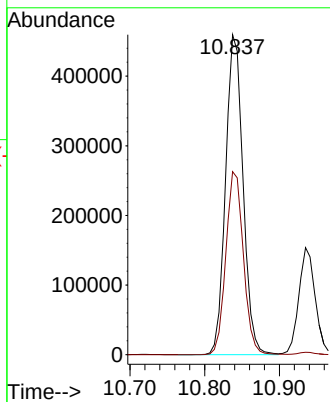
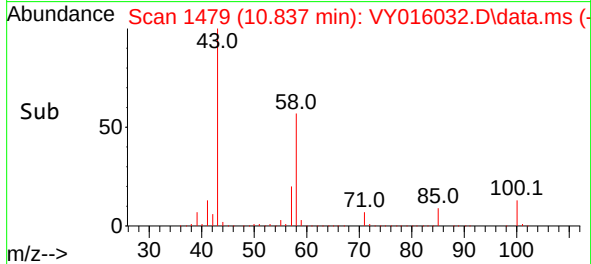
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC



Tgt Ion: 43 Resp: 74718
Ion Ratio Lower Upper
43 100
58 57.5 25.1 75.3

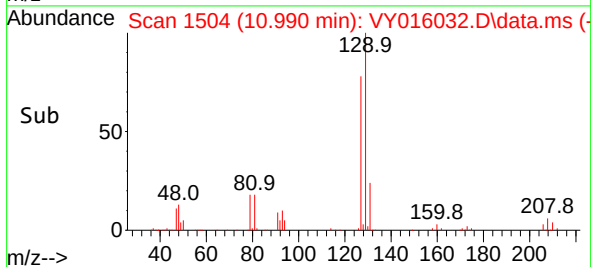
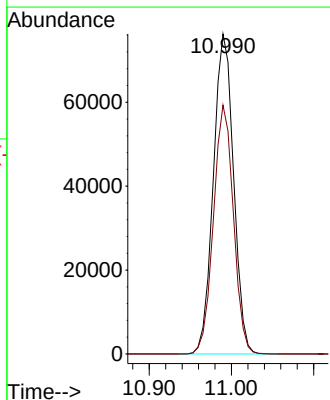
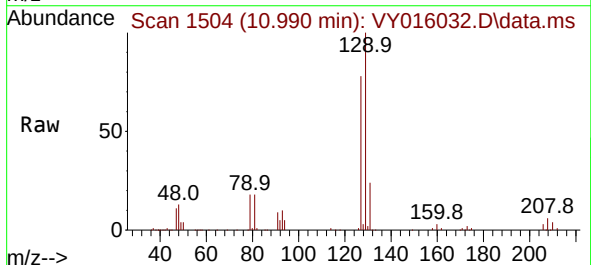
Manual Integrations
APPROVED

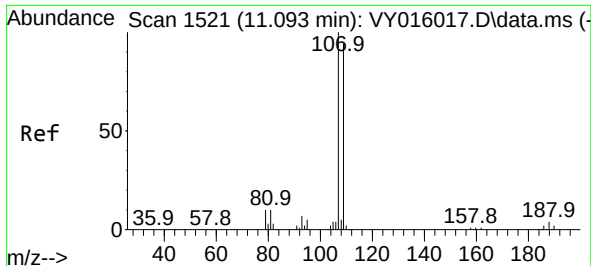
Reviewed By :John Carlone 10/19/2023
Supervised By :Semsettin Yesilyurt 10/20/2023



#60
Dibromochloromethane
Concen: 51.074 ug/l
RT: 10.990 min Scan# 1504
Delta R.T. 0.006 min
Lab File: VY016032.D
Acq: 18 Oct 2023 20:02

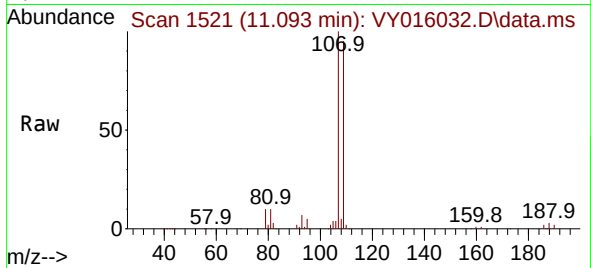
Tgt Ion:129 Resp: 130325
Ion Ratio Lower Upper
129 100
127 76.8 38.5 115.5





#61
1,2-Dibromoethane
Concen: 54.667 ug/l
RT: 11.093 min Scan# 1521
Delta R.T. 0.000 min
Lab File: VY016032.D
Acq: 18 Oct 2023 20:02

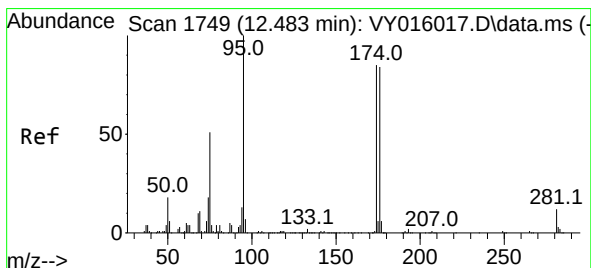
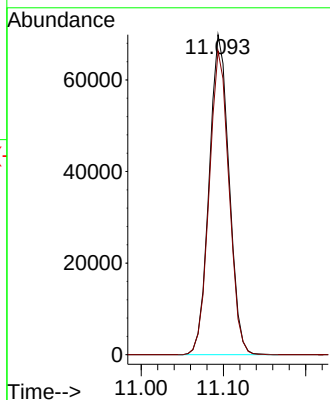
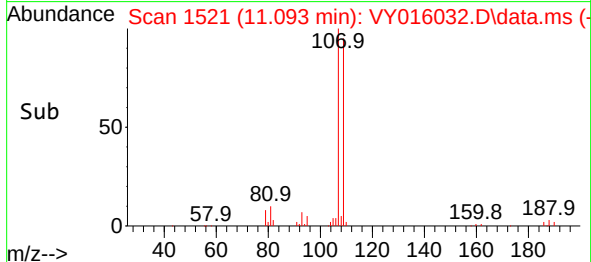
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC



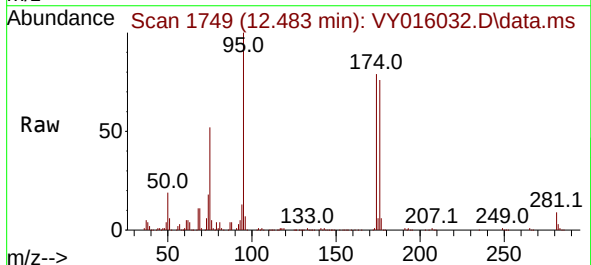
Tgt Ion:107 Resp: 117384
Ion Ratio Lower Upper
107 100
109 94.5 75.6 113.4

Manual Integrations
APPROVED

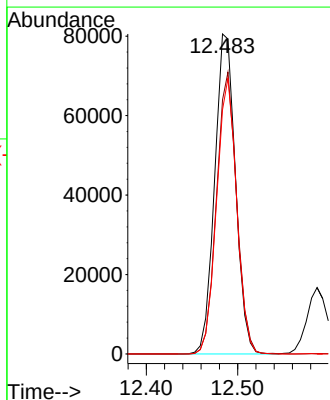
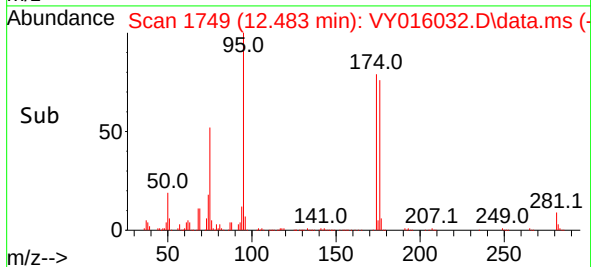
Reviewed By :John Carlone 10/19/2023
Supervised By :Semsettin Yesilyurt 10/20/2023

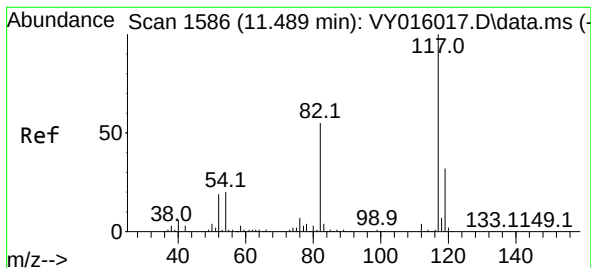


#62
4-Bromofluorobenzene
Concen: 45.198 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY016032.D
Acq: 18 Oct 2023 20:02



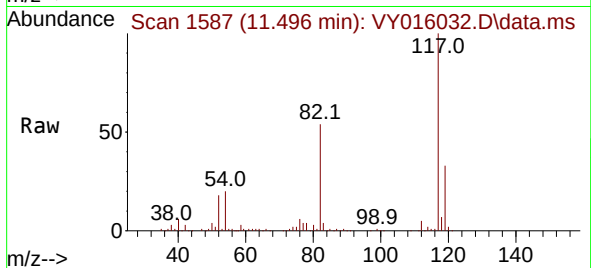
Tgt Ion: 95 Resp: 127684
Ion Ratio Lower Upper
95 100
174 85.3 0.0 178.2
176 83.1 0.0 173.8





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY016032.D
Acq: 18 Oct 2023 20:02

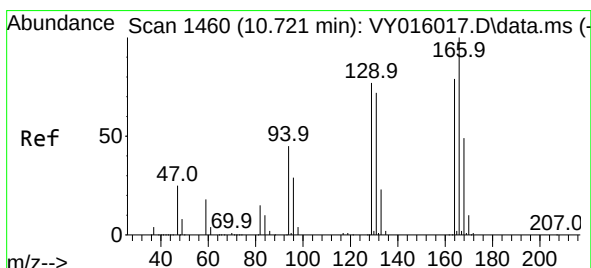
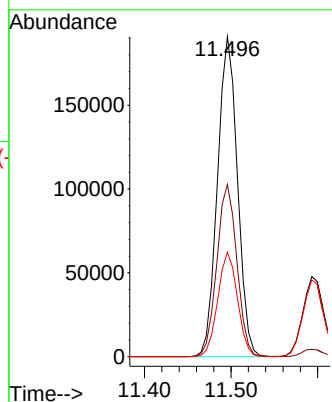
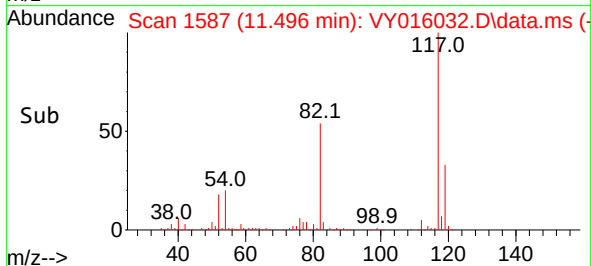
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC



Tgt Ion:117 Resp: 306424
Ion Ratio Lower Upper
117 100
82 53.8 43.4 65.0
119 32.7 26.3 39.5

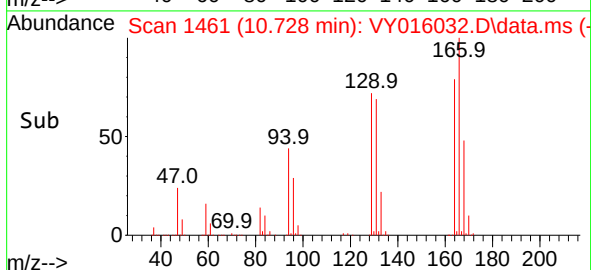
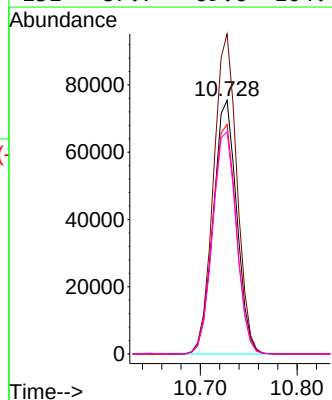
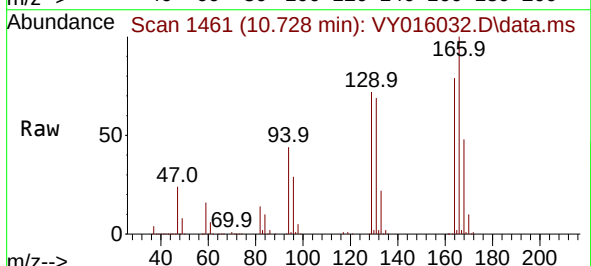
Manual Integrations
APPROVED

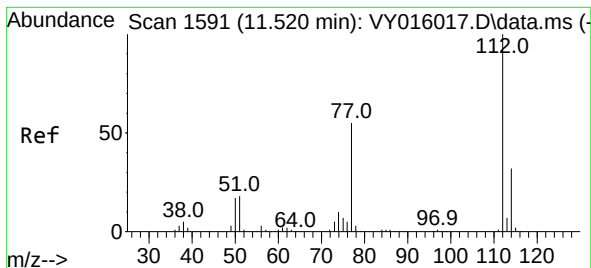
Reviewed By :John Carlone 10/19/2023
Supervised By :Semsettin Yesilyurt 10/20/2023



#64
Tetrachloroethene
Concen: 53.267 ug/l
RT: 10.728 min Scan# 1461
Delta R.T. 0.006 min
Lab File: VY016032.D
Acq: 18 Oct 2023 20:02

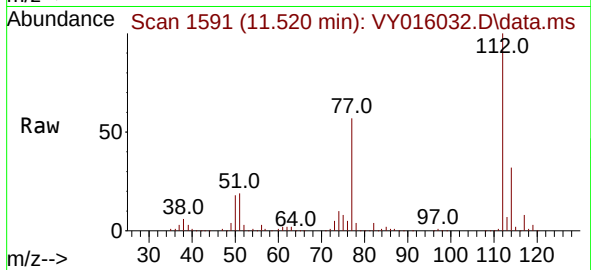
Tgt Ion:164 Resp: 126566
Ion Ratio Lower Upper
164 100
166 126.2 103.0 154.6
129 90.5 77.2 115.8
131 87.7 69.6 104.4





#65
Chlorobenzene
Concen: 46.384 ug/l
RT: 11.520 min Scan# 1591
Delta R.T. 0.000 min
Lab File: VY016032.D
Acq: 18 Oct 2023 20:02

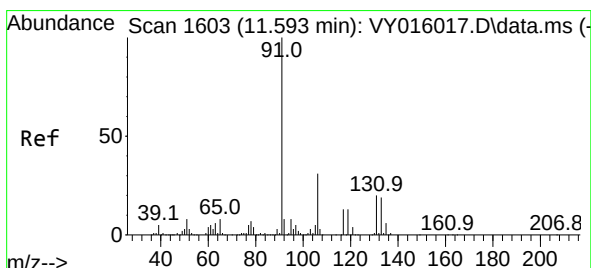
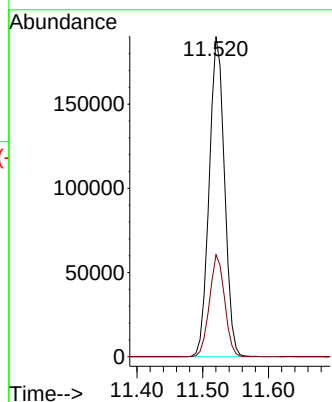
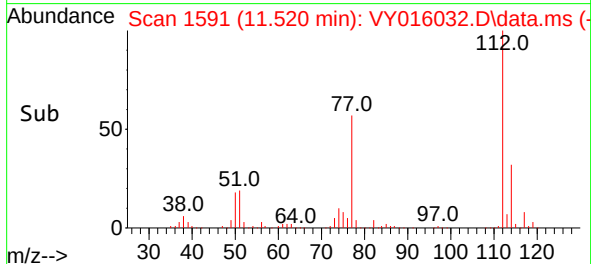
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC



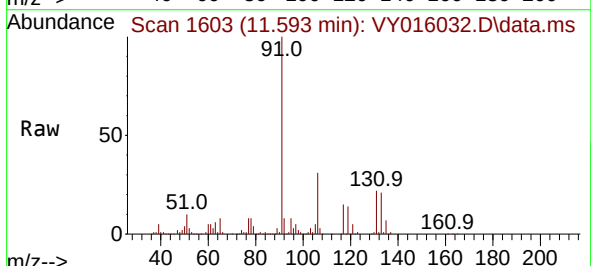
Tgt Ion:112 Resp: 307809
Ion Ratio Lower Upper
112 100
114 31.9 25.5 38.3

Manual Integrations
APPROVED

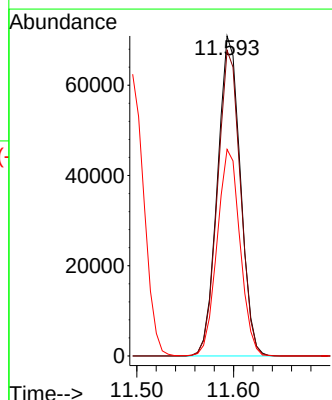
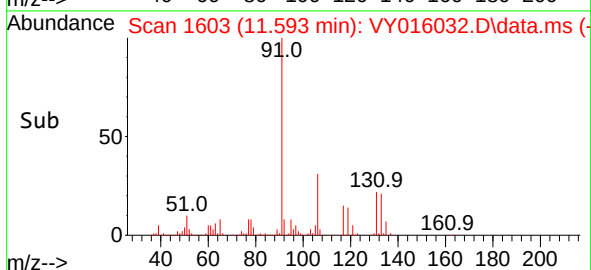
Reviewed By :John Carlone 10/19/2023
Supervised By :Semsettin Yesilyurt 10/20/2023

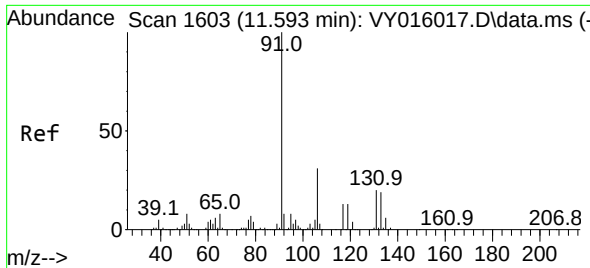


#66
1,1,1,2-Tetrachloroethane
Concen: 46.574 ug/l
RT: 11.593 min Scan# 1603
Delta R.T. 0.000 min
Lab File: VY016032.D
Acq: 18 Oct 2023 20:02



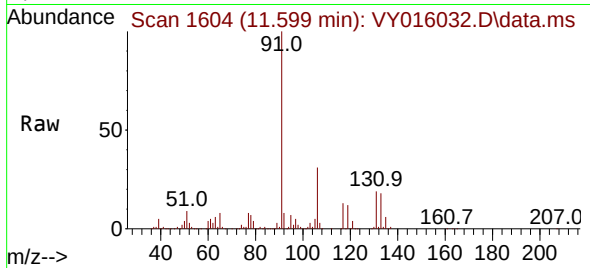
Tgt Ion:131 Resp: 116495
Ion Ratio Lower Upper
131 100
133 95.6 47.5 142.6
119 64.8 31.6 94.7





#67
Ethyl Benzene
Concen: 46.220 ug/l
RT: 11.599 min Scan# 1603
Delta R.T. 0.006 min
Lab File: VY016032.D
Acq: 18 Oct 2023 20:02

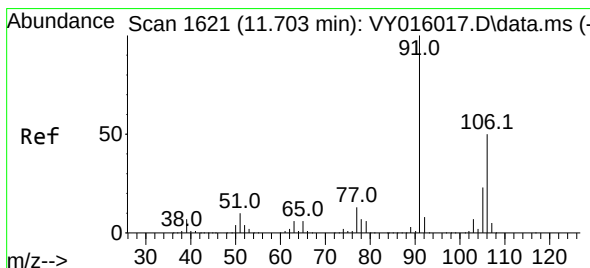
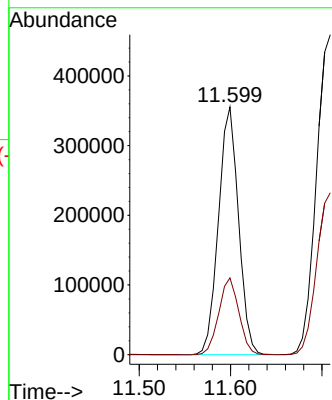
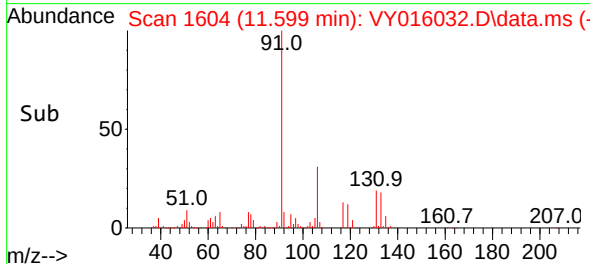
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC



Tgt Ion: 91 Resp: 542759
Ion Ratio Lower Upper
91 100
106 31.0 24.6 36.8

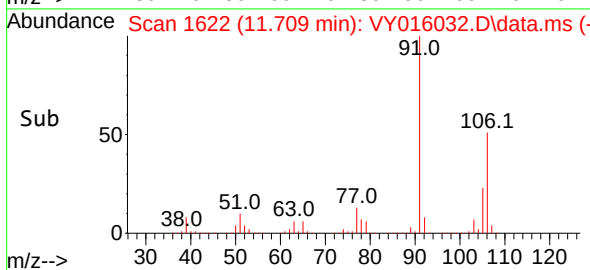
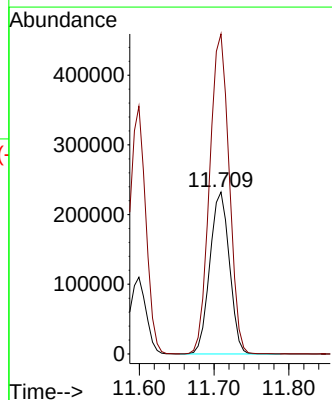
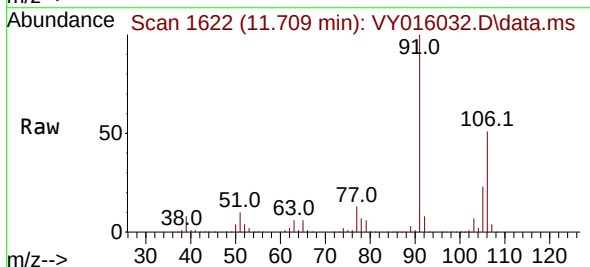
Manual Integrations
APPROVED

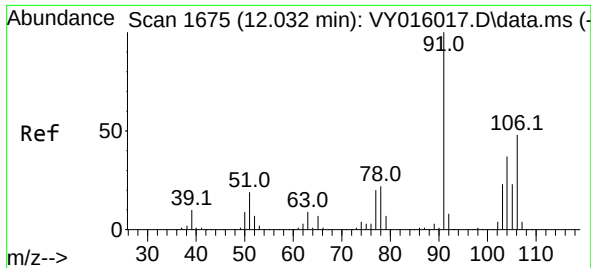
Reviewed By :John Carlone 10/19/2023
Supervised By :Semsettin Yesilyurt 10/20/2023



#68
m/p-Xylenes
Concen: 92.284 ug/l
RT: 11.709 min Scan# 1622
Delta R.T. 0.006 min
Lab File: VY016032.D
Acq: 18 Oct 2023 20:02

Tgt Ion:106 Resp: 422581
Ion Ratio Lower Upper
106 100
91 197.9 166.1 249.1





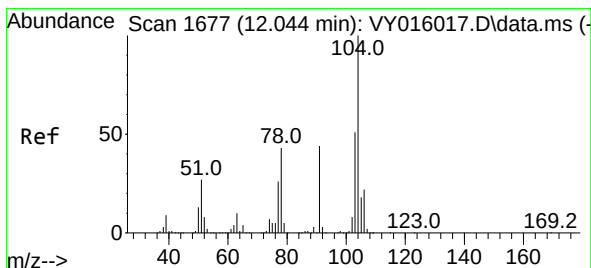
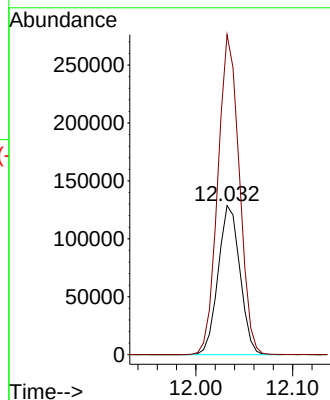
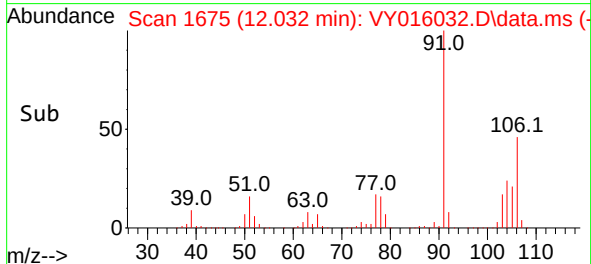
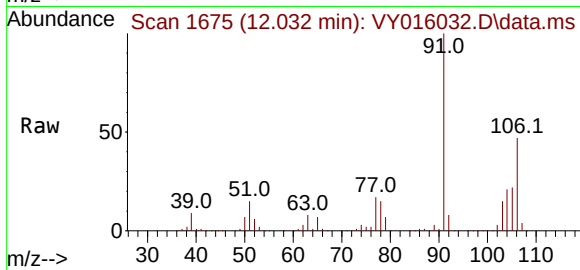
#69
o-Xylene
Concen: 46.253 ug/l
RT: 12.032 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VY016032.D
Acq: 18 Oct 2023 20:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:106 Resp: 201490
Ion Ratio Lower Upper
106 100
91 211.4 108.1 324.3

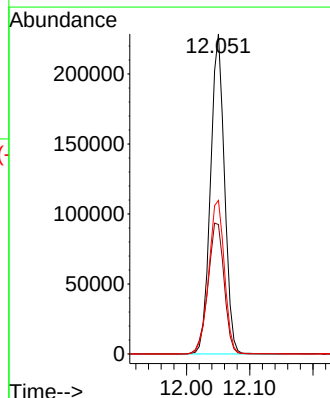
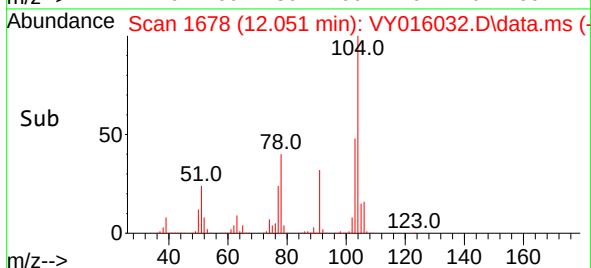
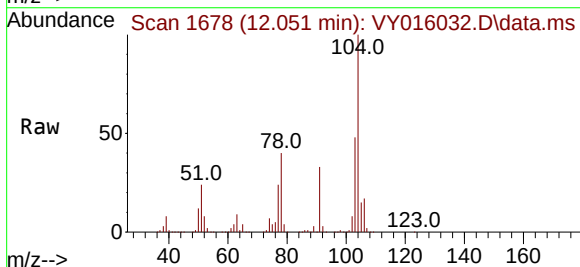
Manual Integrations
APPROVED

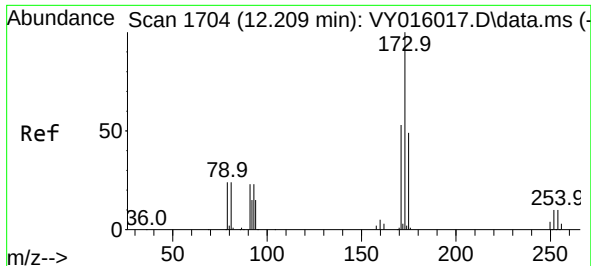
Reviewed By :John Carlone 10/19/2023
Supervised By :Semsettin Yesilyurt 10/20/2023



#70
Styrene
Concen: 47.373 ug/l
RT: 12.051 min Scan# 1678
Delta R.T. 0.006 min
Lab File: VY016032.D
Acq: 18 Oct 2023 20:02

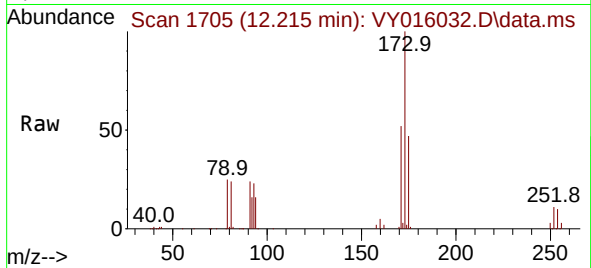
Tgt Ion:104 Resp: 351729
Ion Ratio Lower Upper
104 100
78 47.2 41.5 62.3
103 53.7 44.6 67.0





#71
Bromoform
Concen: 55.468 ug/l
RT: 12.215 min Scan# 1705
Delta R.T. 0.006 min
Lab File: VY016032.D
Acq: 18 Oct 2023 20:02

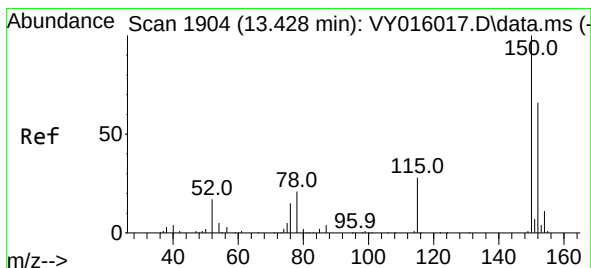
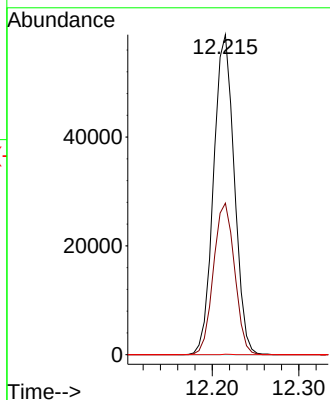
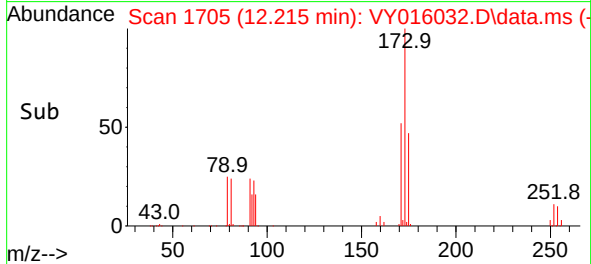
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC



Tgt Ion:173 Resp: 97620
Ion Ratio Lower Upper
173 100
175 48.3 24.6 73.8
254 0.1 0.2 0.2

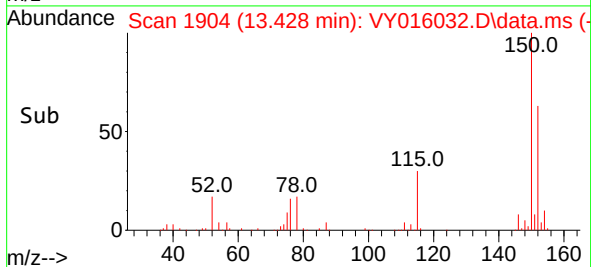
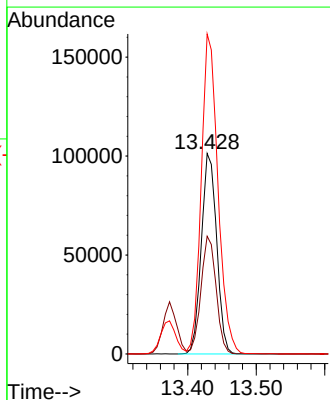
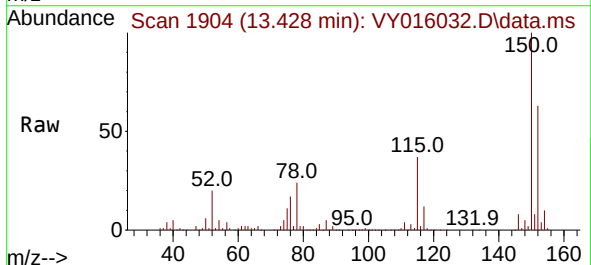
Manual Integrations
APPROVED

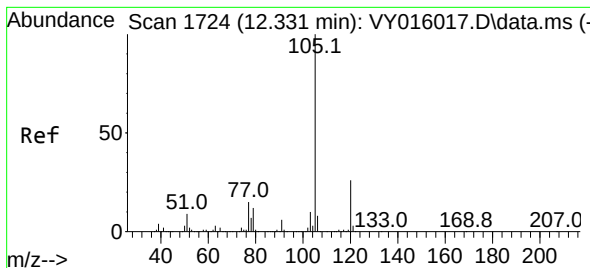
Reviewed By :John Carlone 10/19/2023
Supervised By :Semsettin Yesilyurt 10/20/2023



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY016032.D
Acq: 18 Oct 2023 20:02

Tgt Ion:152 Resp: 158192
Ion Ratio Lower Upper
152 100
115 57.8 28.8 86.5
150 173.4 0.0 348.8





#73

Isopropylbenzene

Concen: 44.480 ug/l

RT: 12.337 min Scan# 1725

Delta R.T. 0.006 min

Lab File: VY016032.D

Acq: 18 Oct 2023 20:02

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tgt Ion:105 Resp: 52634

Ion Ratio Lower Upper

105 100

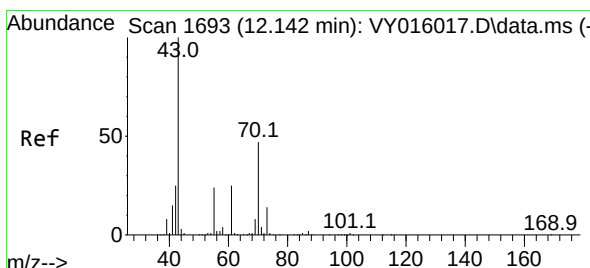
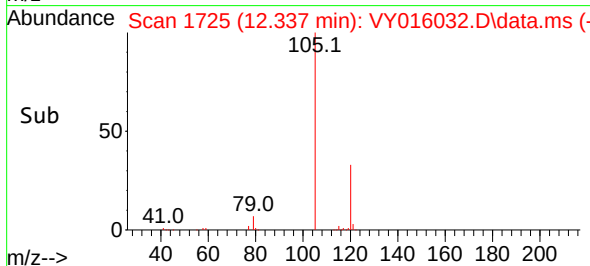
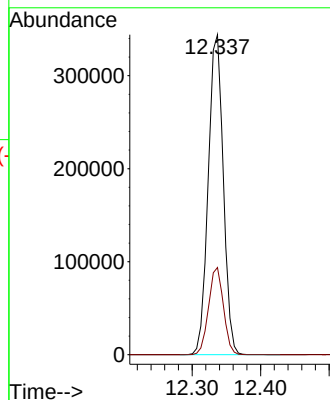
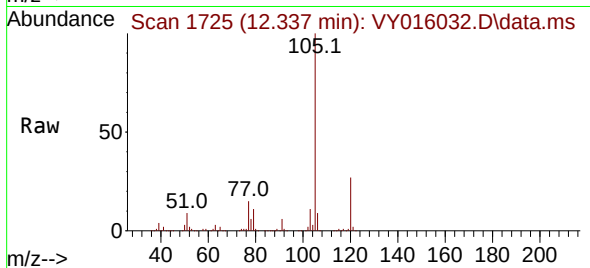
120 26.9 13.3 39.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/19/2023

Supervised By :Semsettin Yesilyurt 10/20/2023



#74

N-ethyl acetate

Concen: 58.144 ug/l

RT: 12.148 min Scan# 1694

Delta R.T. 0.006 min

Lab File: VY016032.D

Acq: 18 Oct 2023 20:02

Tgt Ion: 43 Resp: 217319

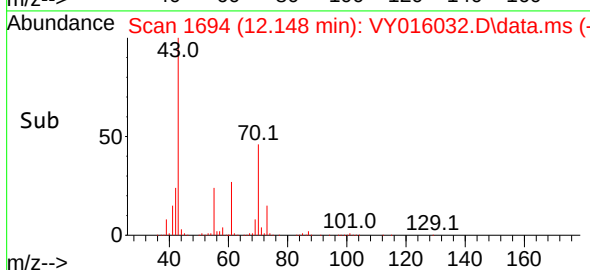
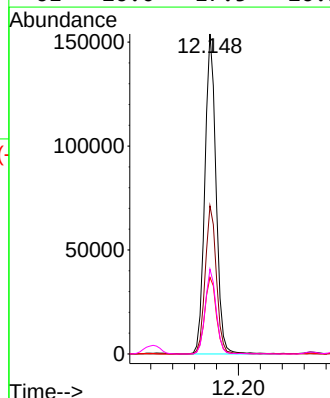
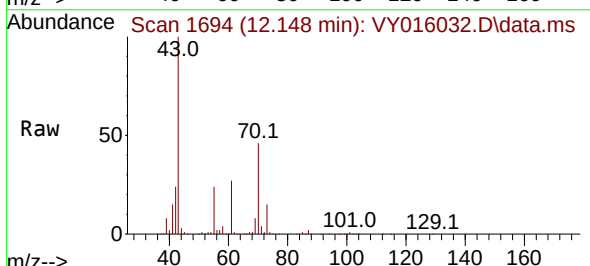
Ion Ratio Lower Upper

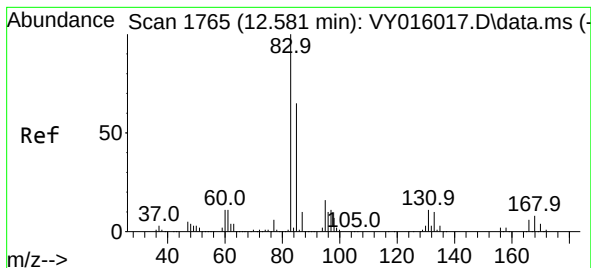
43 100

70 46.3 29.7 44.5

55 24.8 18.3 27.5

61 26.0 17.5 26.3





#75

1,1,2,2-Tetrachloroethane

Concen: 54.651 ug/l

RT: 12.587 min Scan# 1766

Delta R.T. 0.006 min

Lab File: VY016032.D

Acq: 18 Oct 2023 20:02

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

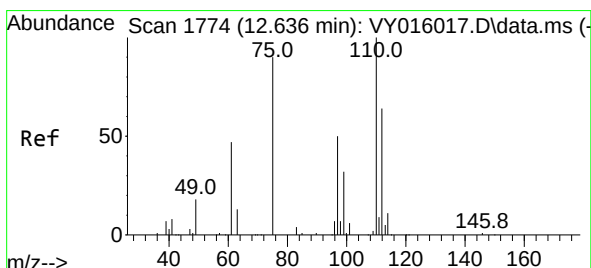
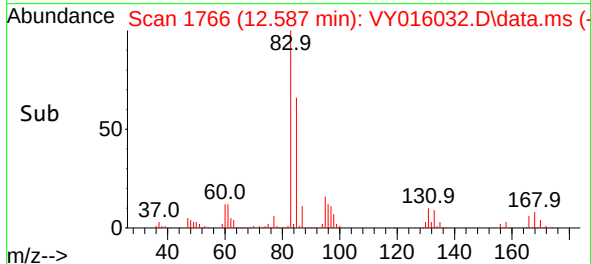
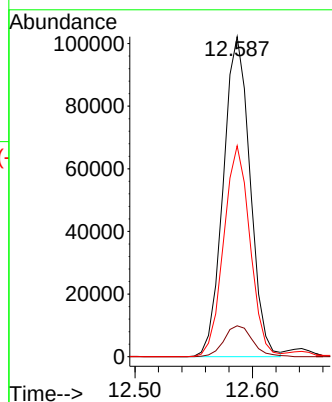
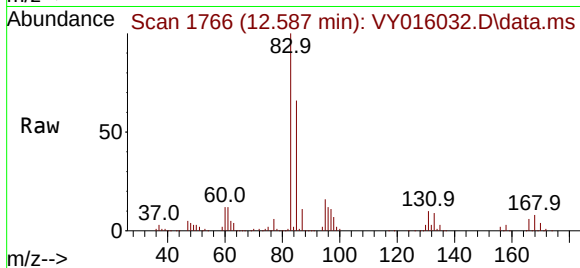
Tgt Ion: 83 Resp: 161975
 Ion Ratio Lower Upper
 83 100
 131 10.3 5.4 16.2
 85 64.7 31.8 95.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/19/2023

Supervised By :Semsettin Yesilyurt 10/20/2023



#76

1,2,3-Trichloropropane

Concen: 60.010 ug/l m

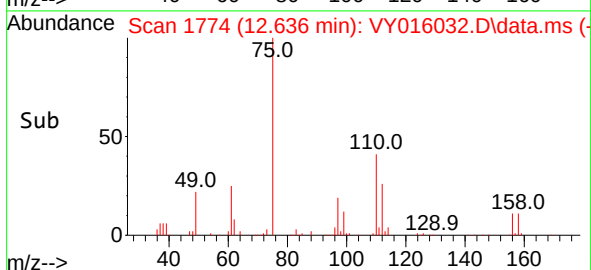
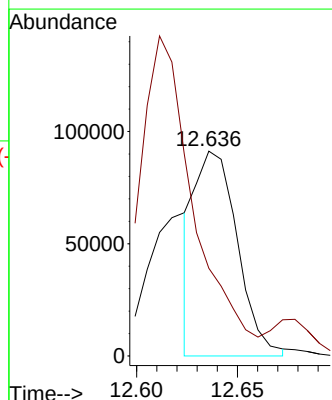
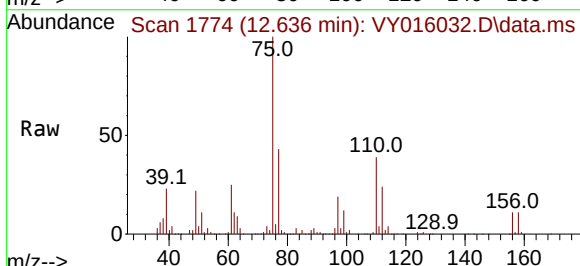
RT: 12.636 min Scan# 1774

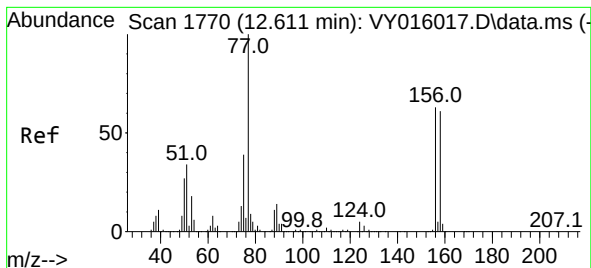
Delta R.T. 0.000 min

Lab File: VY016032.D

Acq: 18 Oct 2023 20:02

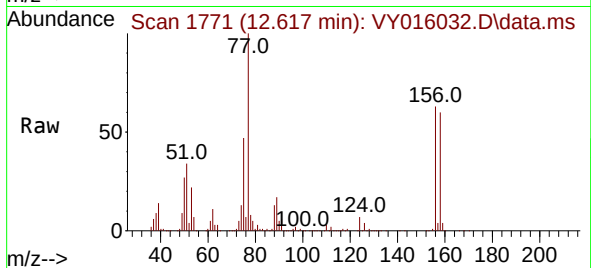
Tgt Ion: 75 Resp: 134413
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0





#77
Bromobenzene
Concen: 46.375 ug/l
RT: 12.617 min Scan# 1770
Delta R.T. 0.006 min
Lab File: VY016032.D
Acq: 18 Oct 2023 20:02

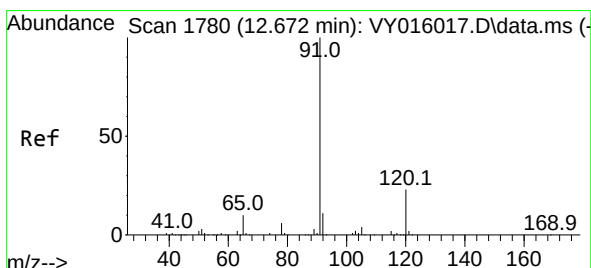
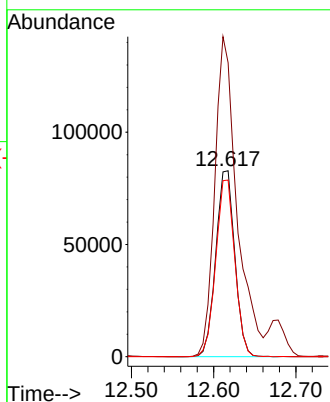
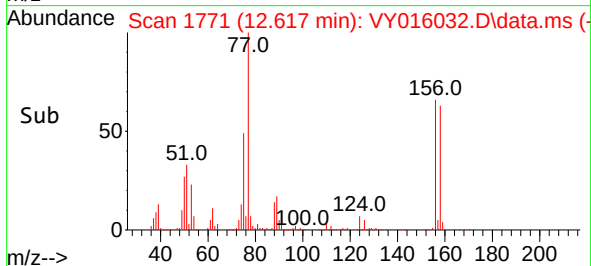
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC



Tgt Ion: 156 Resp: 133197
Ion Ratio Lower Upper
156 100
77 200.9 92.8 278.6
158 95.5 48.4 145.3

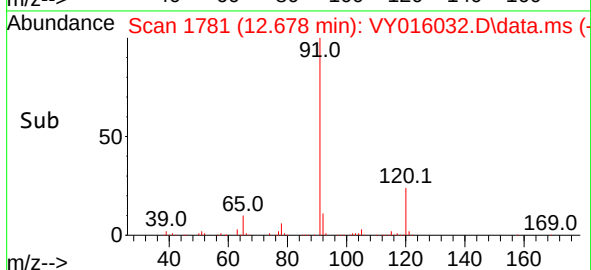
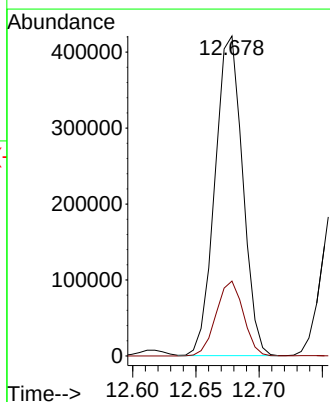
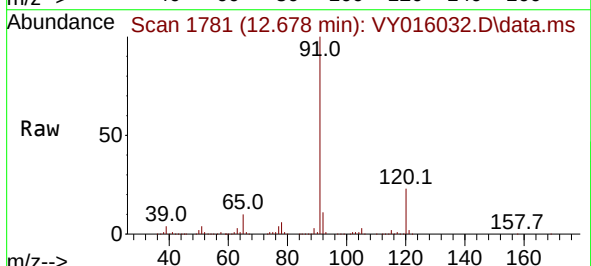
Manual Integrations
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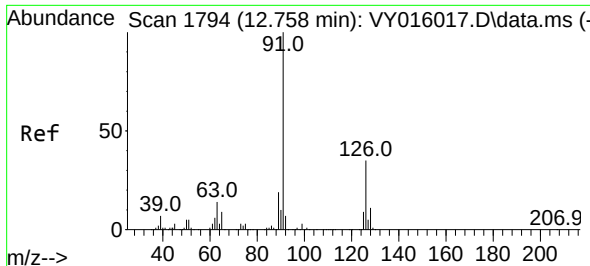
Reviewed By :John Carlone 10/19/2023
Supervised By :Semsettin Yesilyurt 10/20/2023



#78
n-propylbenzene
Concen: 44.932 ug/l
RT: 12.678 min Scan# 1781
Delta R.T. 0.006 min
Lab File: VY016032.D
Acq: 18 Oct 2023 20:02

Tgt Ion: 91 Resp: 640415
Ion Ratio Lower Upper
91 100
120 23.0 11.5 34.4





#79

2-Chlorotoluene

Concen: 45.347 ug/l

RT: 12.764 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY016032.D

Acq: 18 Oct 2023 20:02

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 91 Resp: 36278

Ion Ratio Lower Upper

91 100

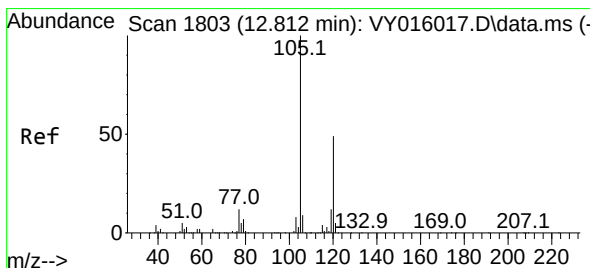
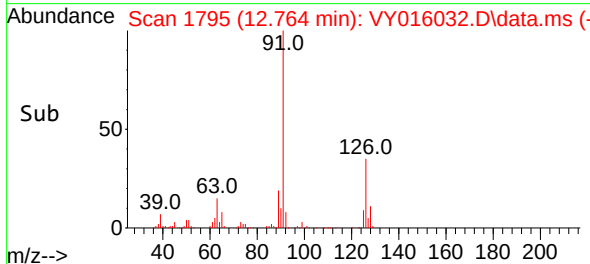
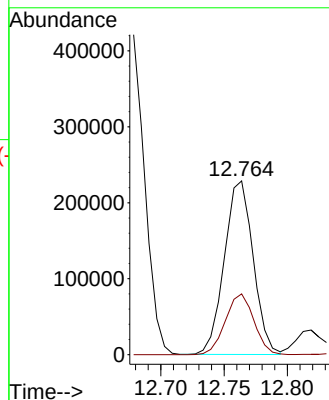
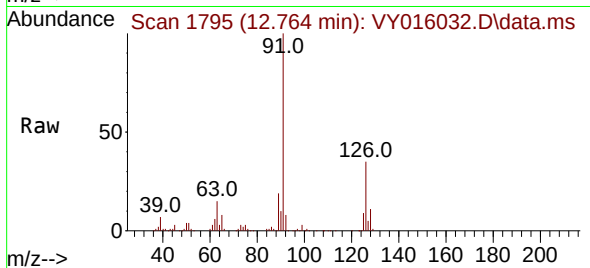
126 34.7 17.3 51.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/19/2023

Supervised By :Semsettin Yesilyurt 10/20/2023



#80

1,3,5-Trimethylbenzene

Concen: 45.052 ug/l

RT: 12.819 min Scan# 1804

Delta R.T. 0.006 min

Lab File: VY016032.D

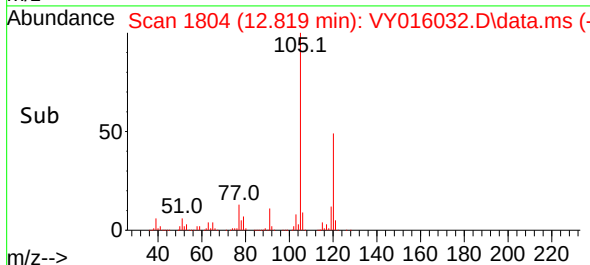
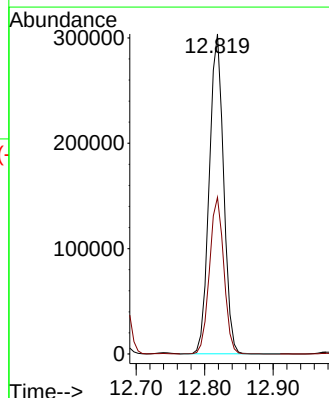
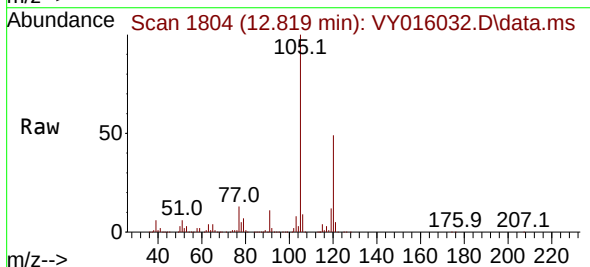
Acq: 18 Oct 2023 20:02

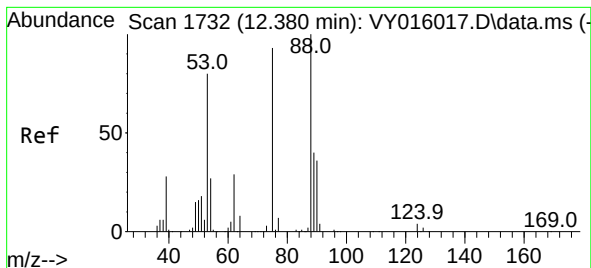
Tgt Ion:105 Resp: 441579

Ion Ratio Lower Upper

105 100

120 49.1 23.9 71.7





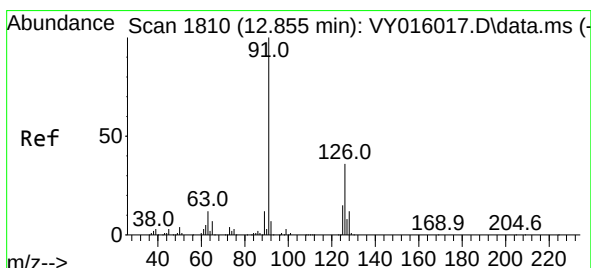
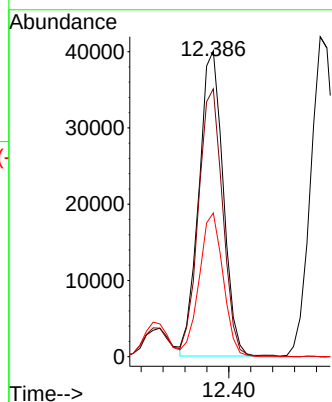
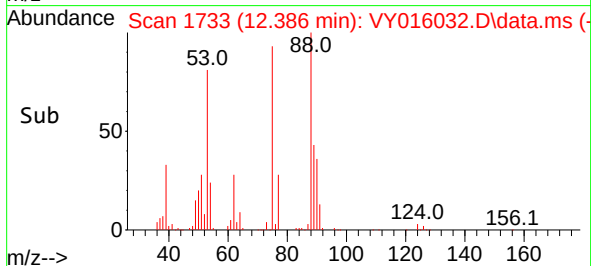
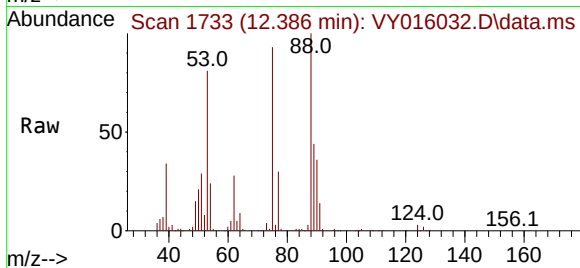
#81
trans-1,4-Dichloro-2-butene
Concen: 59.979 ug/l
RT: 12.386 min Scan# 1732
Delta R.T. 0.006 min
Lab File: VY016032.D
Acq: 18 Oct 2023 20:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 75 Resp: 61543
Ion Ratio Lower Upper
75 100
53 88.0 77.8 116.8
89 46.4 37.4 56.0

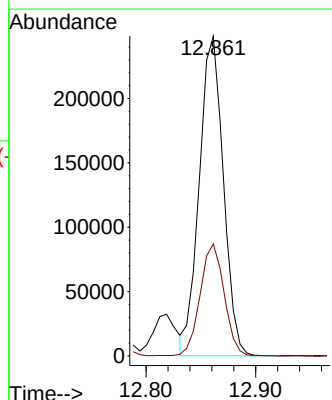
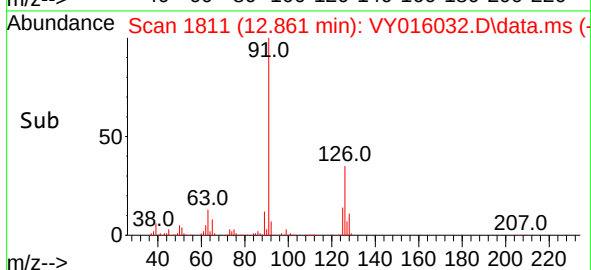
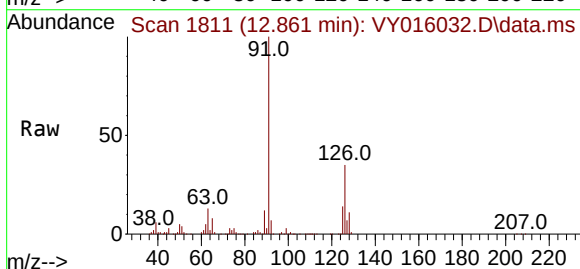
Manual Integrations
APPROVED

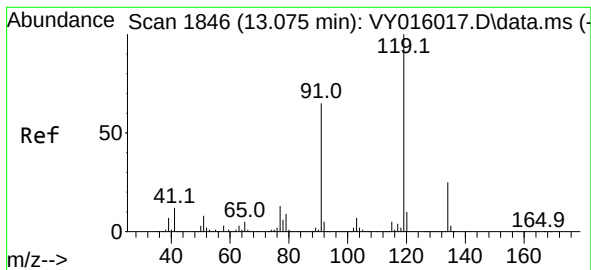
Reviewed By :John Carlone 10/19/2023
Supervised By :Semsettin Yesilyurt 10/20/2023



#82
4-Chlorotoluene
Concen: 45.361 ug/l
RT: 12.861 min Scan# 1811
Delta R.T. 0.006 min
Lab File: VY016032.D
Acq: 18 Oct 2023 20:02

Tgt Ion: 91 Resp: 378743
Ion Ratio Lower Upper
91 100
126 35.0 17.2 51.6





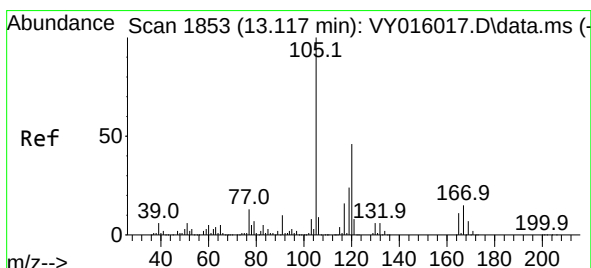
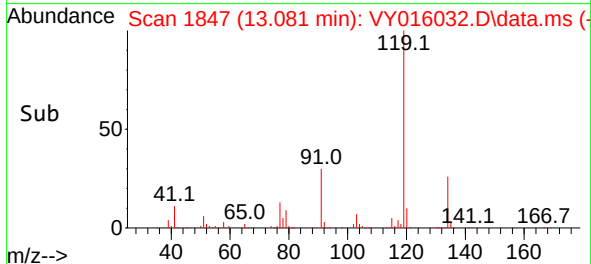
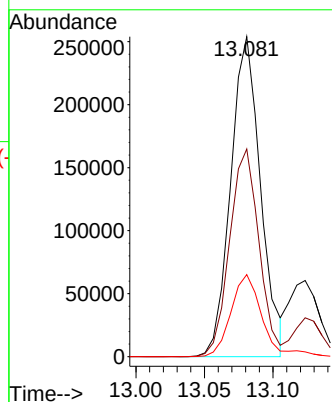
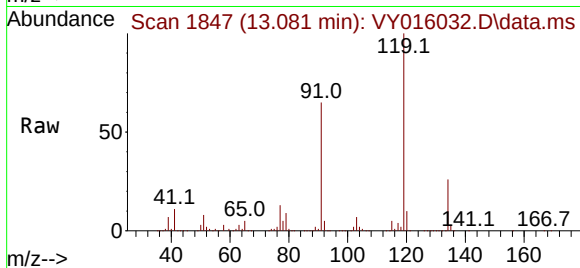
#83
tert-Butylbenzene
Concen: 44.845 ug/l
RT: 13.081 min Scan# 1846
Delta R.T. 0.006 min
Lab File: VY016032.D
Acq: 18 Oct 2023 20:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:119 Resp: 38542
Ion Ratio Lower Upper
119 100
91 63.7 32.9 98.6
134 26.8 13.0 38.9

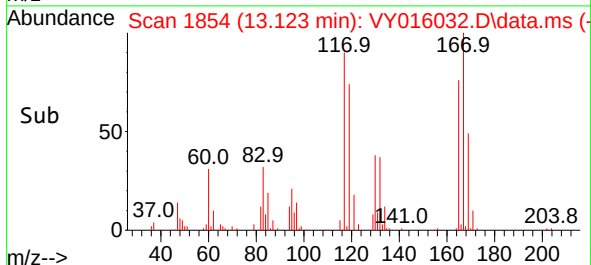
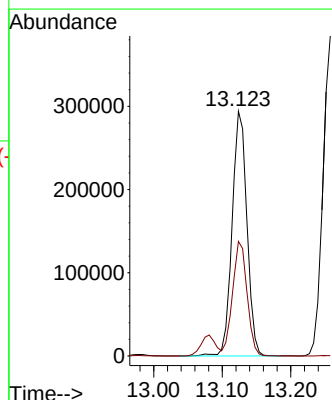
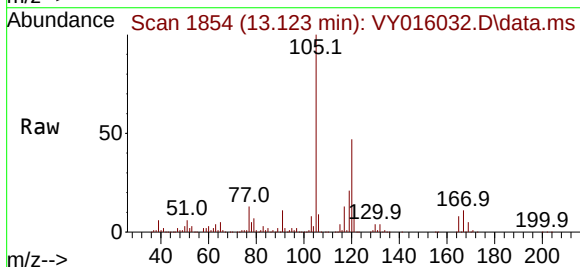
Manual Integrations
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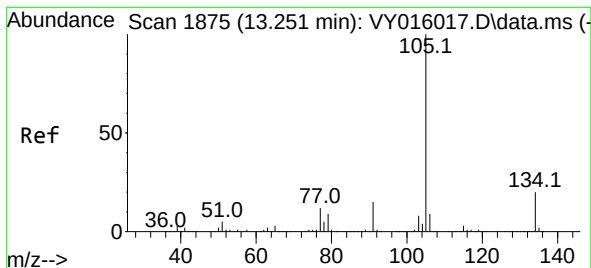
Reviewed By :John Carlone 10/19/2023
Supervised By :Semsettin Yesilyurt 10/20/2023



#84
1,2,4-Trimethylbenzene
Concen: 45.368 ug/l
RT: 13.123 min Scan# 1854
Delta R.T. 0.006 min
Lab File: VY016032.D
Acq: 18 Oct 2023 20:02

Tgt Ion:105 Resp: 441574
Ion Ratio Lower Upper
105 100
120 45.9 22.2 66.6





#85

sec-Butylbenzene

Concen: 44.761 ug/l

RT: 13.258 min Scan# 1875

Delta R.T. 0.006 min

Lab File: VY016032.D

Acq: 18 Oct 2023 20:02

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tgt Ion:105 Resp: 57456

Ion Ratio Lower Upper

105 100

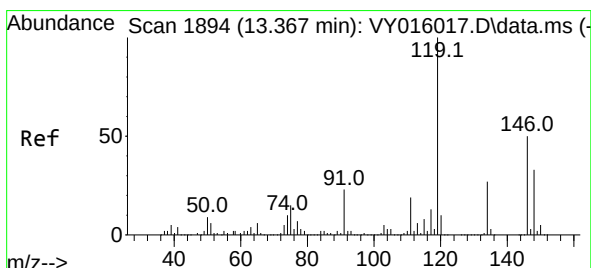
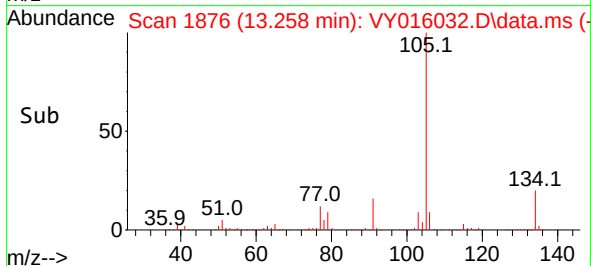
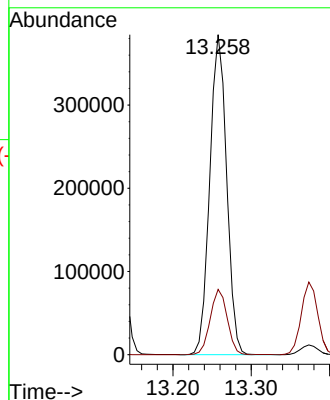
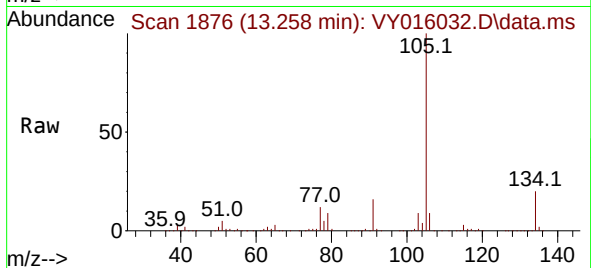
134 20.5 10.2 30.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/19/2023

Supervised By :Semsettin Yesilyurt 10/20/2023



#86

p-Isopropyltoluene

Concen: 45.114 ug/l

RT: 13.373 min Scan# 1895

Delta R.T. 0.006 min

Lab File: VY016032.D

Acq: 18 Oct 2023 20:02

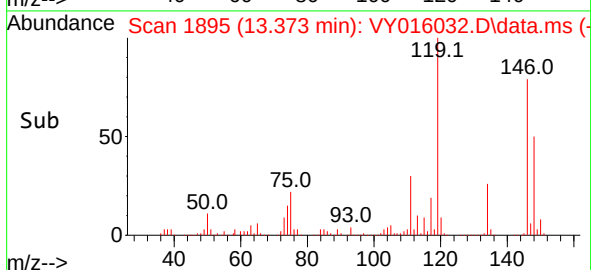
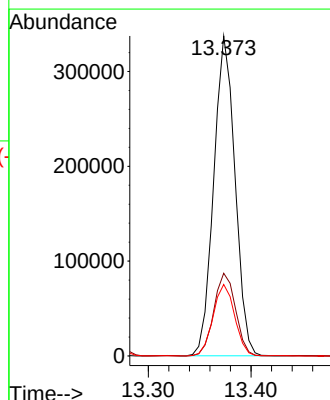
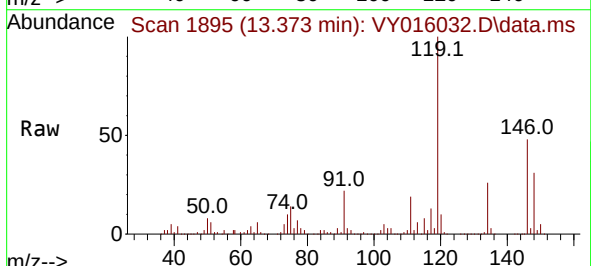
Tgt Ion:119 Resp: 483937

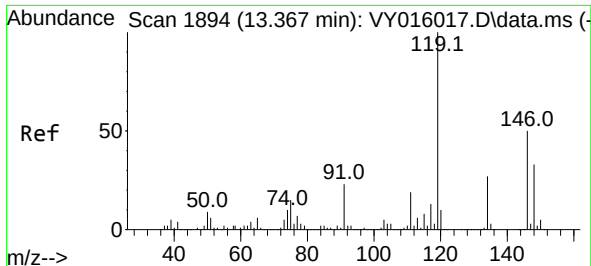
Ion Ratio Lower Upper

119 100

134 26.4 13.3 39.8

91 22.7 12.4 37.4





#87

1,3-Dichlorobenzene

Concen: 45.704 ug/l

RT: 13.373 min Scan# 1894

Delta R.T. 0.006 min

Lab File: VY016032.D

Acq: 18 Oct 2023 20:02

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tgt Ion:146 Resp: 25541

Ion Ratio Lower Upper

146 100

111 39.3 19.4 58.2

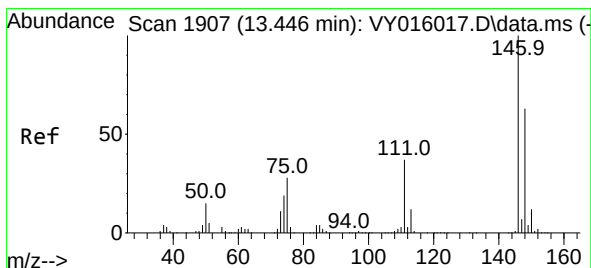
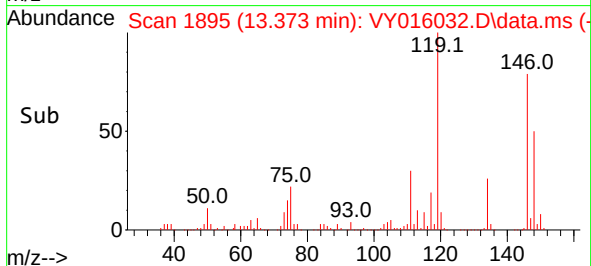
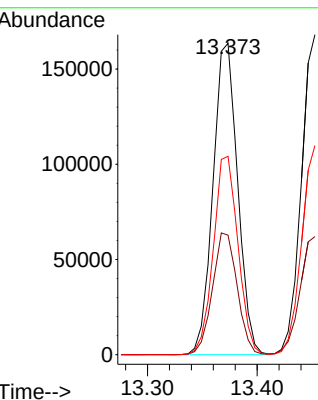
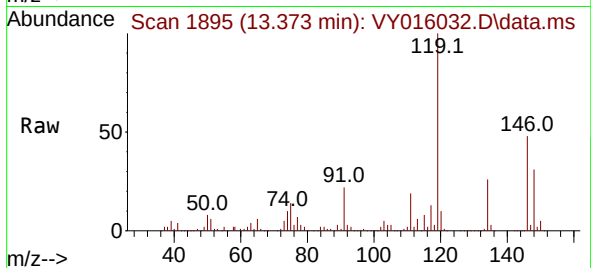
148 63.7 31.9 95.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/19/2023

Supervised By :Semsettin Yesilyurt 10/20/2023



#88

1,4-Dichlorobenzene

Concen: 45.050 ug/l

RT: 13.453 min Scan# 1908

Delta R.T. 0.006 min

Lab File: VY016032.D

Acq: 18 Oct 2023 20:02

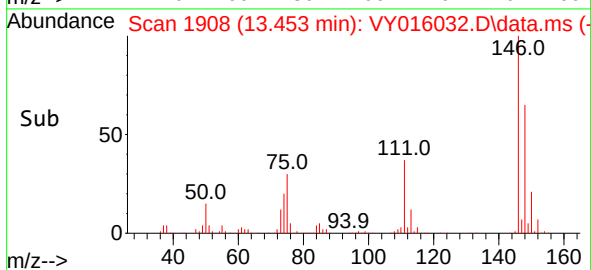
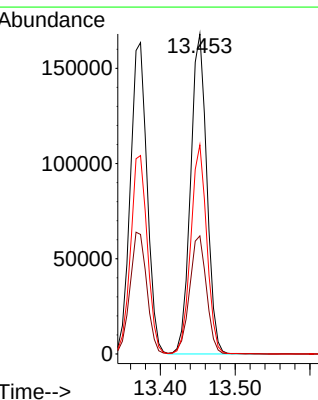
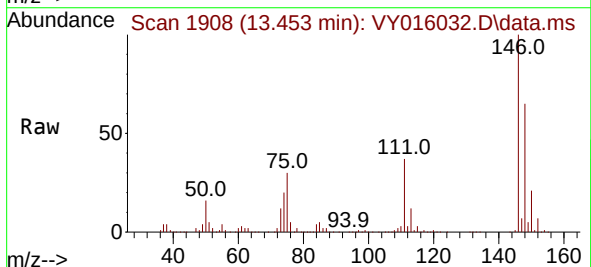
Tgt Ion:146 Resp: 253478

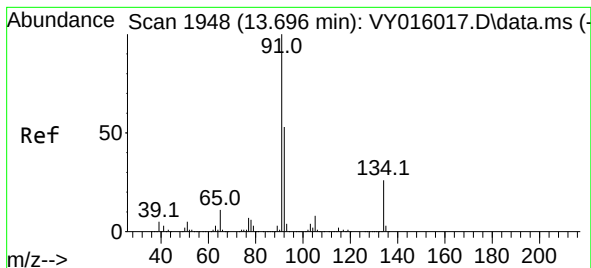
Ion Ratio Lower Upper

146 100

111 38.7 18.9 56.7

148 64.5 32.1 96.5





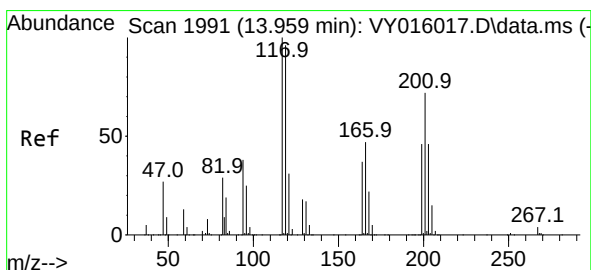
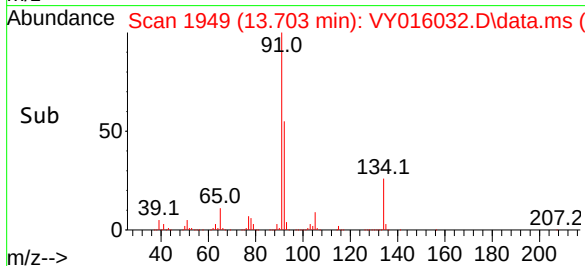
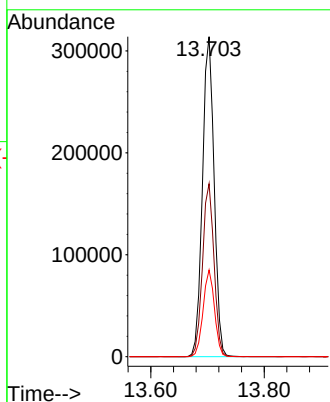
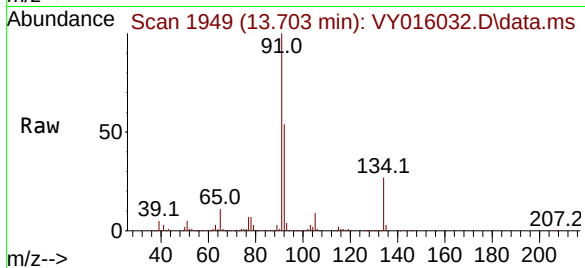
#89
n-Butylbenzene
Concen: 44.945 ug/l
RT: 13.703 min Scan# 1949
Delta R.T. 0.006 min
Lab File: VY016032.D
Acq: 18 Oct 2023 20:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 448820
Ion Ratio Lower Upper
91 100
92 53.4 25.4 76.0
134 26.5 12.6 37.6

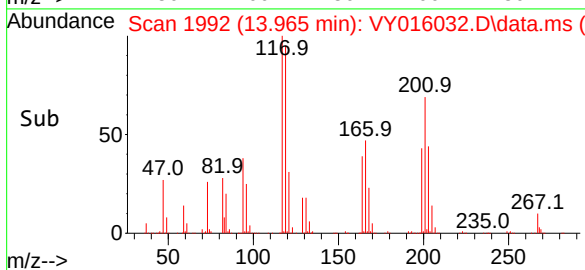
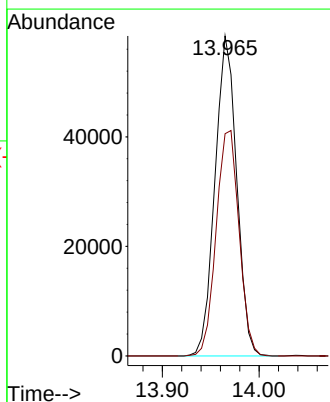
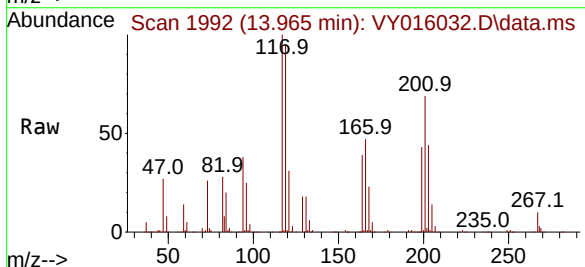
Manual Integrations
APPROVED

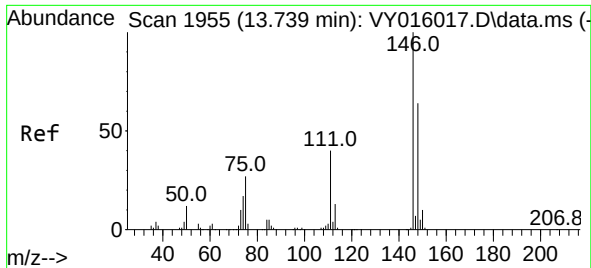
Reviewed By :John Carlone 10/19/2023
Supervised By :Semsettin Yesilyurt 10/20/2023



#90
Hexachloroethane
Concen: 44.554 ug/l
RT: 13.965 min Scan# 1992
Delta R.T. 0.006 min
Lab File: VY016032.D
Acq: 18 Oct 2023 20:02

Tgt Ion:117 Resp: 91108
Ion Ratio Lower Upper
117 100
201 74.3 41.6 124.8





#91

1,2-Dichlorobenzene

Concen: 46.804 ug/l

RT: 13.745 min Scan# 1955

Delta R.T. 0.006 min

Lab File: VY016032.D

Acq: 18 Oct 2023 20:02

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

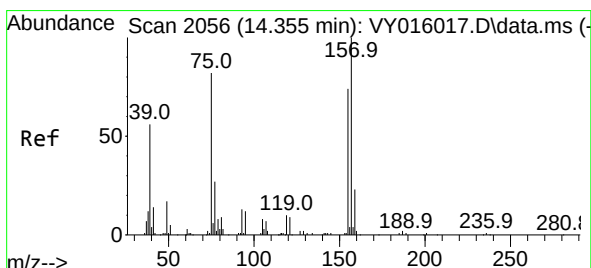
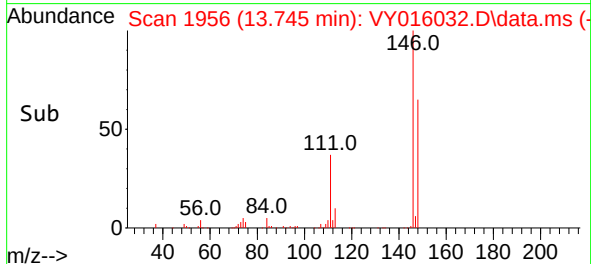
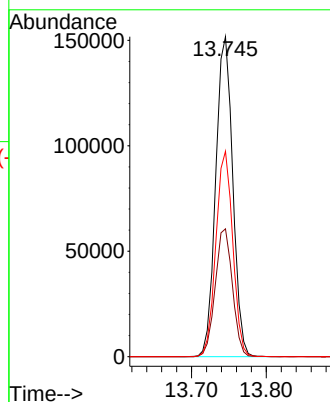
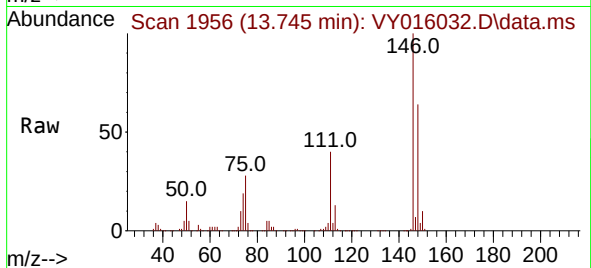
Tgt Ion:146	Resp: 24014
Ion Ratio	Lower Upper
146	100
111	40.5 19.7 59.0
148	63.6 32.0 96.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/19/2023

Supervised By :Semsettin Yesilyurt 10/20/2023



#92

1,2-Dibromo-3-Chloropropane

Concen: 75.465 ug/l

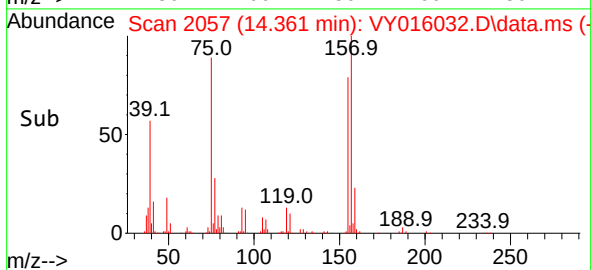
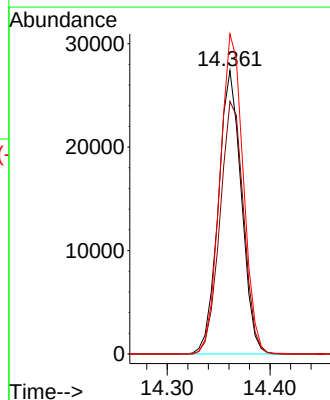
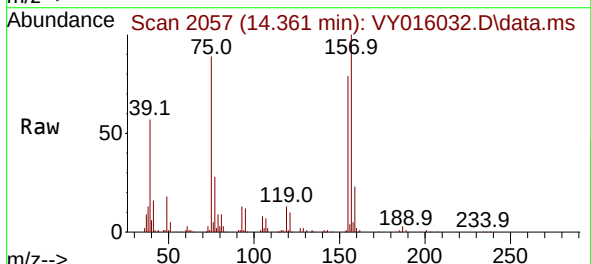
RT: 14.361 min Scan# 2057

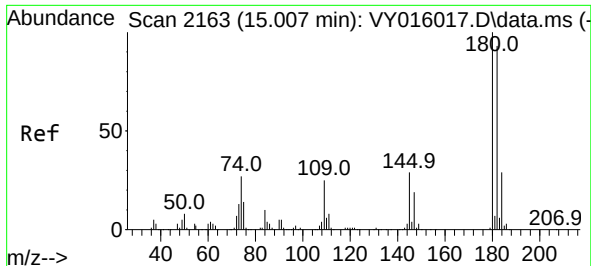
Delta R.T. 0.006 min

Lab File: VY016032.D

Acq: 18 Oct 2023 20:02

Tgt Ion: 75	Resp: 42575
Ion Ratio	Lower Upper
75	100
155	91.3 41.5 124.6
157	114.4 51.8 155.5





#93

1,2,4-Trichlorobenzene

Concen: 46.535 ug/l

RT: 15.013 min Scan# 2164

Delta R.T. 0.006 min

Lab File: VY016032.D

Acq: 18 Oct 2023 20:02

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tgt Ion:180 Resp: 152104

Ion Ratio Lower Upper

180 100

182 94.6 47.0 141.2

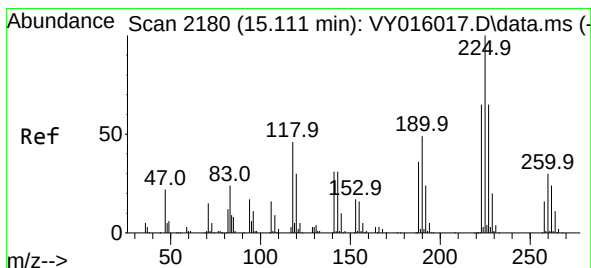
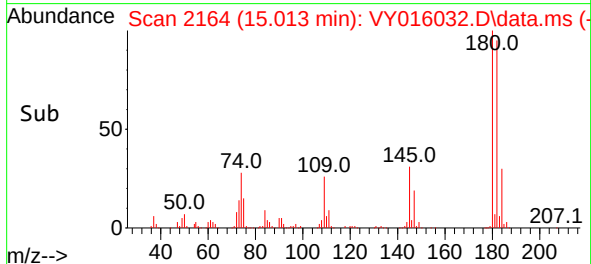
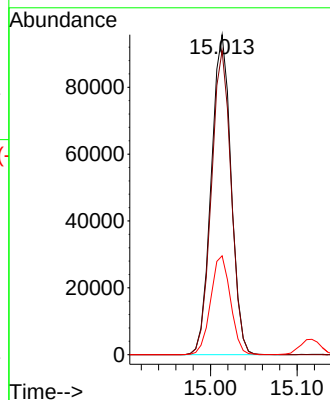
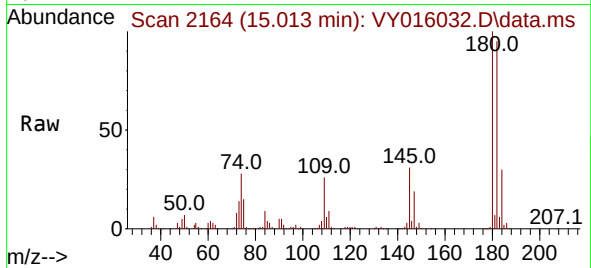
145 30.9 14.5 43.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/19/2023

Supervised By :Semsettin Yesilyurt 10/20/2023



#94

Hexachlorobutadiene

Concen: 43.376 ug/l

RT: 15.117 min Scan# 2181

Delta R.T. 0.006 min

Lab File: VY016032.D

Acq: 18 Oct 2023 20:02

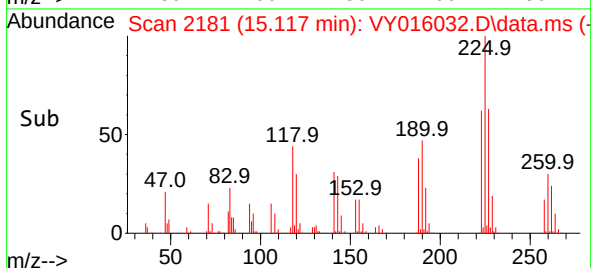
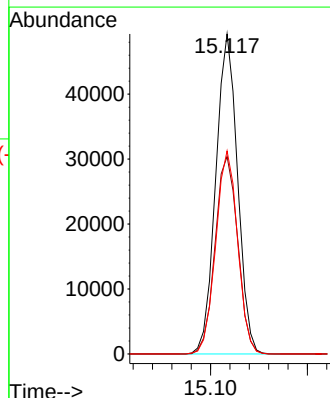
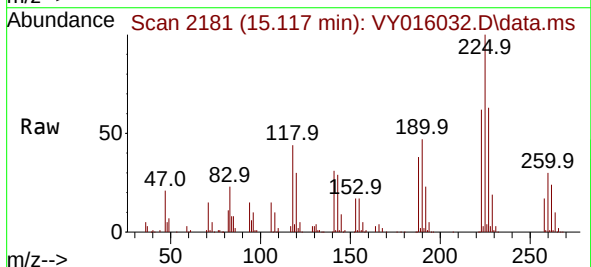
Tgt Ion:225 Resp: 77007

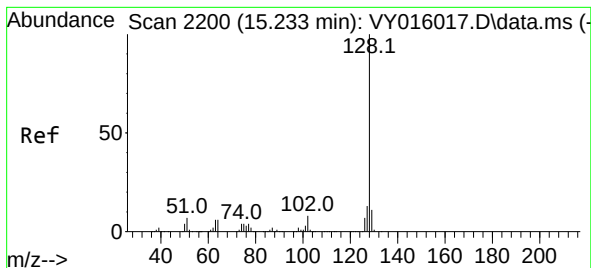
Ion Ratio Lower Upper

225 100

223 64.2 31.9 95.9

227 63.7 33.0 98.9





#95

Naphthalene

Concen: 61.092 ug/l

RT: 15.239 min Scan# 21

Delta R.T. 0.006 min

Lab File: VY016032.D

Acq: 18 Oct 2023 20:02

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tgt Ion:128 Resp: 49011

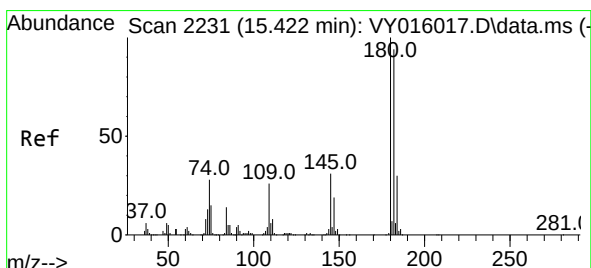
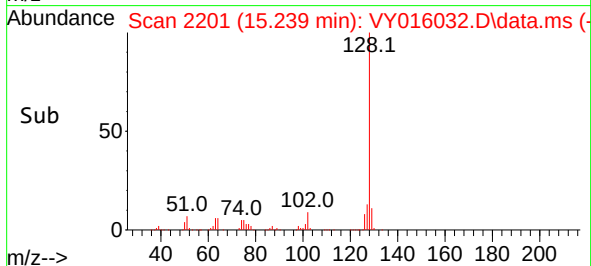
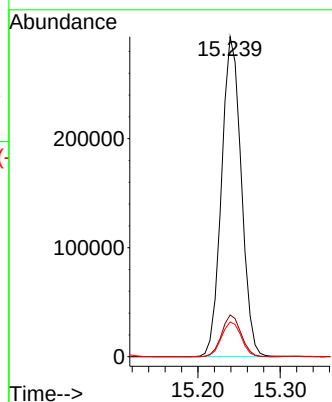
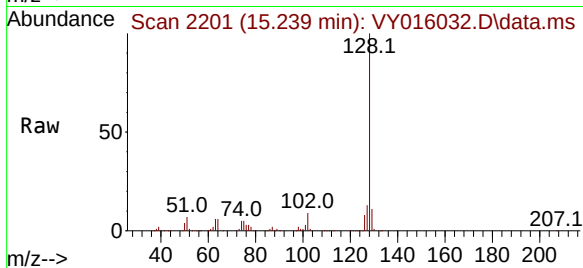
Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.8	16.2
129	10.8	8.6	13.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/19/2023

Supervised By :Semsettin Yesilyurt 10/20/2023



#96

1,2,3-Trichlorobenzene

Concen: 48.651 ug/l

RT: 15.428 min Scan# 2232

Delta R.T. 0.006 min

Lab File: VY016032.D

Acq: 18 Oct 2023 20:02

Tgt Ion:180 Resp: 145251

Ion	Ratio	Lower	Upper
180	100		
182	94.8	47.3	141.8
145	32.3	15.4	46.2

