

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL112124\
 Data File : VL041716.D
 Acq On : 21 Nov 2024 15:46
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 11/22/2024
 Supervised By : Mahesh Dadoda 11/22/2024

Quant Time: Nov 22 01:08:50 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL110724AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Fri Nov 22 01:00:55 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.230	49	1057651	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.693	114	2933077	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.503	117	2794086	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.812 95 2044697 9.932 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 99.300%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.767	85	1292249	6.760	ppbv	99
3) Chlorodifluoromethane	2.713	51	1279274	9.283	ppbv	99
4) Chloromethane	2.851	50	703210	9.634	ppbv	98
5) Vinyl Chloride	2.957	62	676535	10.303	ppbv	99
6) Bromomethane	3.160	94	287896	8.265	ppbv	99
7) Chloroethane	3.237	64	242562	10.122	ppbv	98
8) Dichlorotetrafluoroethane	2.896	85	1655808	9.703	ppbv	97
9) Propene	2.732	41	568529	9.468	ppbv	100
10) Heptane	7.616	43	1451664	10.789	ppbv	100
11) Trichlorofluoromethane	3.600	101	1598576	9.600	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.105	101	1200967	9.923	ppbv	99
13) Ethanol	3.285	45	19081m	5.190	ppbv	
14) Bromoethene	3.404	108	471023	9.681	ppbv	98
15) Acetone	3.507	43	1221603	9.385	ppbv	99
16) 1,3-Butadiene	3.021	39	670260	10.205	ppbv	99
17) tert-Butyl alcohol	3.915	59	1130521	9.897	ppbv	99
18) 1,1-Dichloroethene	3.918	96	528024	9.948	ppbv	91
19) Isopropyl Alcohol	3.613	45	630750	10.138	ppbv #	98
20) Methylene Chloride	3.970	84	438753	9.160	ppbv	97
21) Allyl Chloride	4.034	41	815920	10.144	ppbv	98
22) trans-1,2-Dichloroethene	4.484	96	535620	10.148	ppbv	98
23) Vinyl Acetate	4.664	43	726042	12.653	ppbv #	97
24) 1,1-Dichloroethane	4.600	63	1154395	9.799	ppbv	99
25) Ethyl Acetate	5.240	43	2588640	9.608	ppbv	99
26) Hexane	5.253	57	1044800	10.093	ppbv	97
27) Carbon Disulfide	4.163	76	1279183	10.999	ppbv	100
28) Methyl tert-Butyl Ether	4.623	73	626938	9.405	ppbv	100
29) Chloroform	5.314	83	1667143	9.757	ppbv	99
30) Cyclohexane	6.642	84	893628	10.138	ppbv	98
31) cis-1,2-Dichloroethene	5.118	61	995302	9.995	ppbv	99
32) 1,1,1-Trichloroethane	6.041	97	1637105	10.502	ppbv	100
34) 2-Butanone	4.822	43	1326267	9.081	ppbv	98
35) Carbon Tetrachloride	6.533	117	1696639	10.964	ppbv	99
36) Benzene	6.410	78	2247959	10.344	ppbv	99
37) 1,2-Dichloroethane	5.848	62	1267601	10.339	ppbv	100
38) Trichloroethene	7.330	130	1285707	15.404	ppbv	98
39) 1,2-Dichloropropane	7.111	63	860843	10.024	ppbv	97
40) 1,4-Dioxane	7.327	88	362339	11.759	ppbv	87
41) Tetrahydrofuran	5.594	42	889296	10.662	ppbv	99
42) Bromodichloromethane	7.288	83	1794888	10.535	ppbv	99
43) Methyl Methacrylate	7.510	69	861885	11.295	ppbv	97
44) 2,2,4-Trimethylpentane	7.365	57	3803122	10.331	ppbv	100
45) t-1,3-Dichloropropene	8.748	75	730997	10.484	ppbv	96

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL110724AIR.M

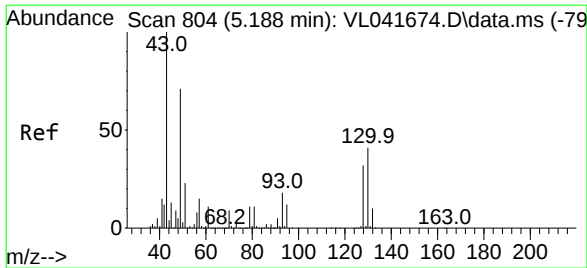
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Fri Nov 22 01:00:55 2024

Response via : Initial Calibration

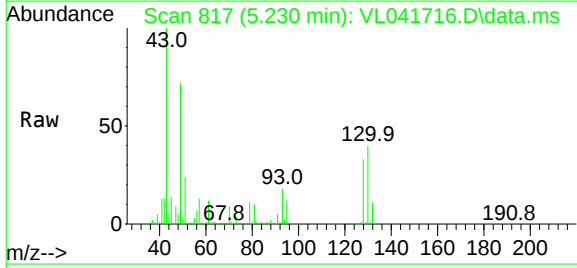
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.179	75	1076550	10.750	ppbv	100
47) 1,1,2-Trichloroethane	8.938	97	940621	10.120	ppbv	98
48) Dibromochloromethane	9.748	129	1537701	10.883	ppbv	100
49) Bromoform	12.445	173	1348848	11.157	ppbv	99
50) 4-Methyl-2-Pentanone	8.217	43	2487875	11.096	ppbv	99
51) 2-Hexanone	9.587	43	1928715	11.813	ppbv	99
52) Tetrachloroethene	10.655	164	822968	11.112	ppbv	98
53) Toluene	9.259	91	2575431	11.269	ppbv	100
54) 1,2-Dibromoethane	10.050	107	1226683	11.296	ppbv	99
56) 1,1,1,2-Tetrachloroethane	11.545	131	1153543	10.010	ppbv	99
57) Chlorobenzene	11.564	112	2056508	9.952	ppbv	99
58) Ethyl Benzene	12.127	91	3526421	11.512	ppbv	98
59) m/p-Xylene	12.410	91	6056978m	22.081	ppbv	
60) o-Xylene	13.095	91	2939812	11.239	ppbv	100
61) Styrene	12.934	104	1390368	12.879	ppbv	99
62) Isopropylbenzene	14.066	105	4212885	10.429	ppbv	100
63) 1,1,1,2-Tetrachloroethane	13.085	83	1192554	6.198	ppbv	100
64) n-propylbenzene	14.950	120	1137229	10.754	ppbv	97
65) tert-Butylbenzene	16.127	119	3802509	10.473	ppbv	100
66) Benzyl Chloride	16.365	91	196066m	7.020	ppbv	
67) sec-Butylbenzene	16.674	105	5361203	10.476	ppbv	100
69) p-Isopropyltoluene	17.031	119	4453669	10.765	ppbv	100
70) n-Butylbenzene	17.921	91	4594843	10.855	ppbv	100
71) 2-Chlorotoluene	14.834	91	3205329	10.977	ppbv	100
72) 4-Ethyltoluene	15.230	105	3485346	11.461	ppbv	99
73) 1,3,5-Trimethylbenzene	15.387	105	2994754	11.222	ppbv	100
74) 1,2,4-Trimethylbenzene	16.143	105	3339224	10.773	ppbv	99
75) 1,3-Dichlorobenzene	16.365	146	2043094	10.643	ppbv	100
76) 1,4-Dichlorobenzene	16.510	146	1992823	10.759	ppbv	99
77) 1,2-Dichlorobenzene	17.178	146	2007849	10.558	ppbv	100
78) Hexachloro-1,3-Butadiene	22.673	225	1396945	9.288	ppbv	100
79) Naphthalene	21.423	128	2826909	14.775	ppbv	99
80) Naphthalene,2-methyl-	24.403	142	1349060	32.345	ppbv	99
81) 1,2,4-Trichlorobenzene	21.178	180	1464975	12.175	ppbv	100

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



#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.230 min Scan# 81
Delta R.T. 0.009 min
Lab File: VL041716.D
Acq: 21 Nov 2024 15:46

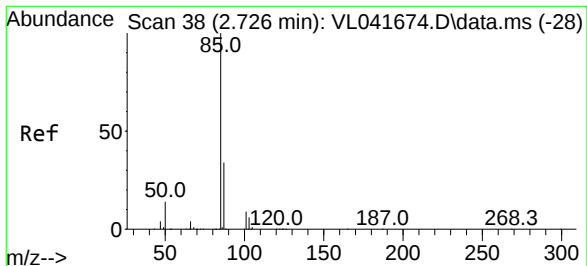
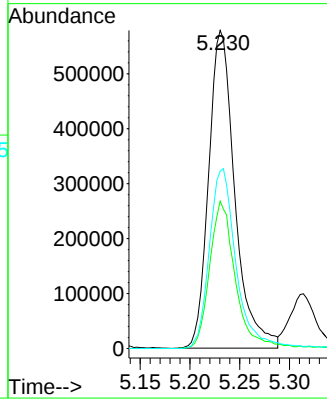
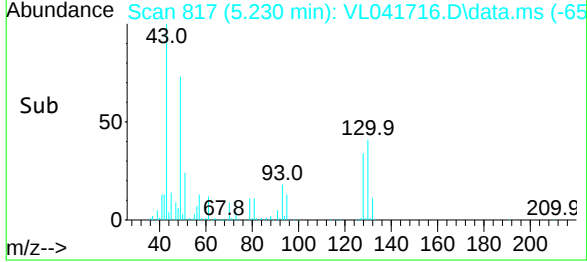
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC



Tgt Ion: 49 Resp: 1057651
Ion Ratio Lower Upper
49 100
128 46.3 23.8 71.2
130 58.7 30.1 90.5

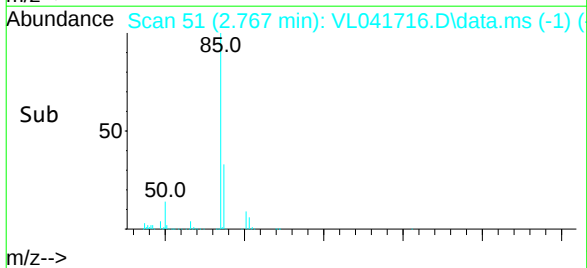
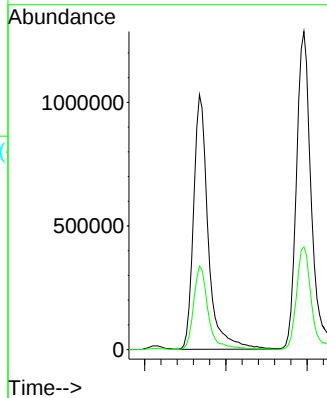
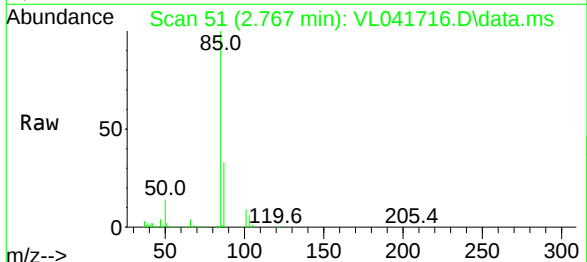
Manual Integrations
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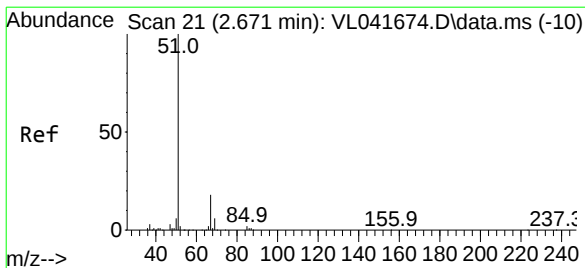
Reviewed By :Semsettin Yesilyurt 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024



#2
Dichlorodifluoromethane
Concen: 6.760 ppbv
RT: 2.767 min Scan# 51
Delta R.T. 0.010 min
Lab File: VL041716.D
Acq: 21 Nov 2024 15:46

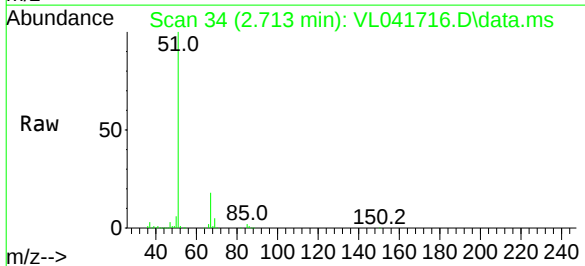
Tgt Ion: 85 Resp: 1292249
Ion Ratio Lower Upper
85 100
87 32.8 26.8 40.2





#3
Chlorodifluoromethane
Concen: 9.283 ppbv
RT: 2.713 min Scan# 34
Delta R.T. 0.010 min
Lab File: VL041716.D
Acq: 21 Nov 2024 15:46

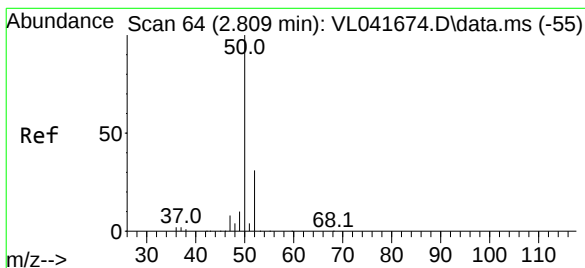
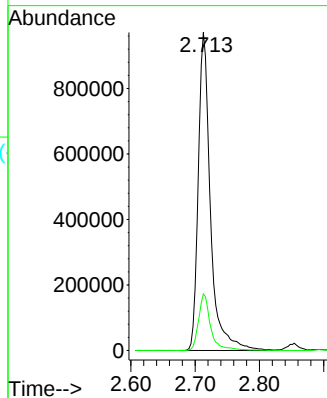
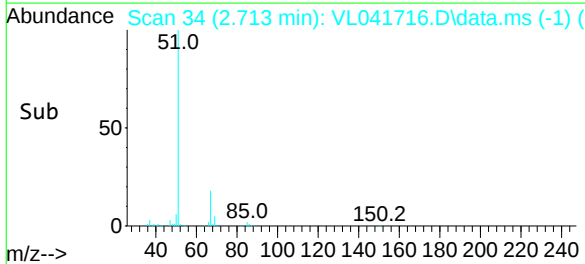
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC



Tgt Ion: 51 Resp: 1279274
Ion Ratio Lower Upper
51 100
67 17.8 13.9 20.9

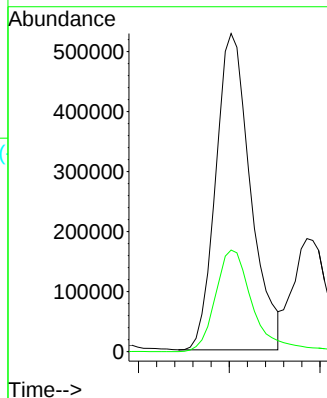
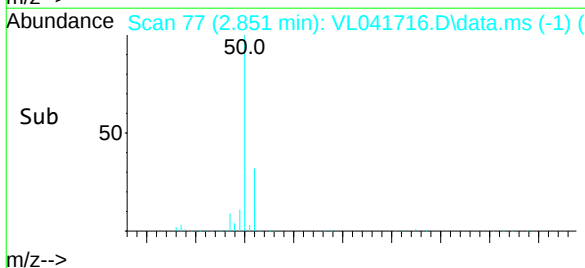
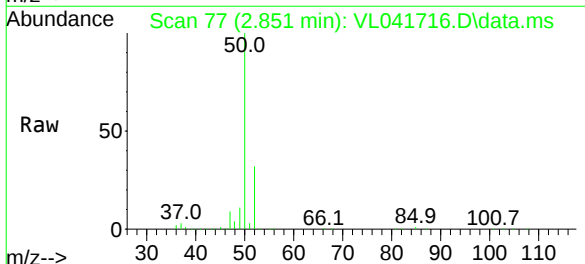
Manual Integrations
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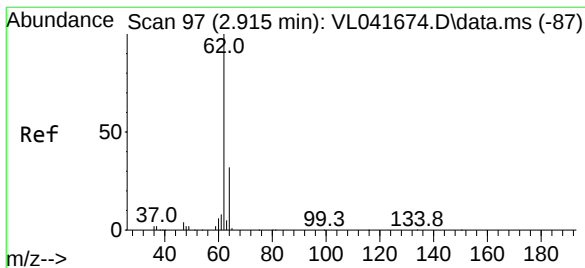
Reviewed By :Semsettin Yesilyurt 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024



#4
Chloromethane
Concen: 9.634 ppbv
RT: 2.851 min Scan# 77
Delta R.T. 0.010 min
Lab File: VL041716.D
Acq: 21 Nov 2024 15:46

Tgt Ion: 50 Resp: 703210
Ion Ratio Lower Upper
50 100
52 32.1 24.9 37.3





#5
 Vinyl Chloride
 Concen: 10.303 ppbv
 RT: 2.957 min Scan# 111
 Delta R.T. 0.010 min
 Lab File: VL041716.D
 Acq: 21 Nov 2024 15:46

Instrument :

MSVOA_L

ClientSampleId :

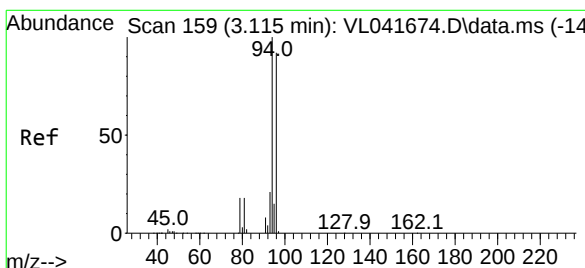
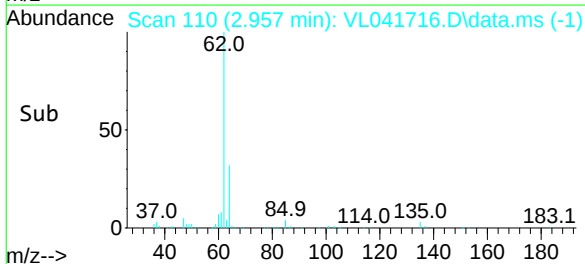
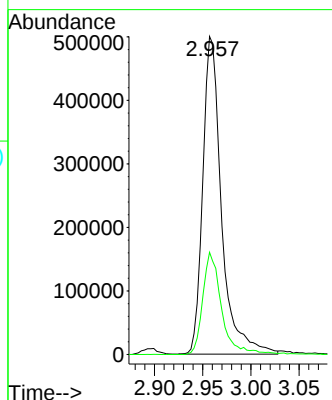
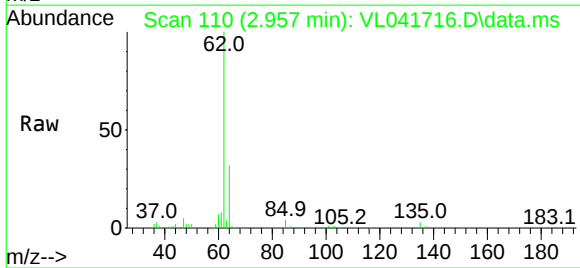
VSTDCCC010EC

Tgt Ion: 62 Resp: 676535
 Ion Ratio Lower Upper
 62 100
 64 32.2 25.4 38.2

Manual Integrations

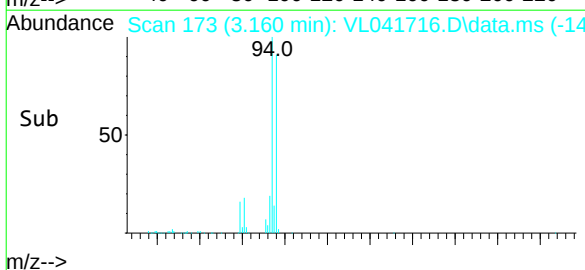
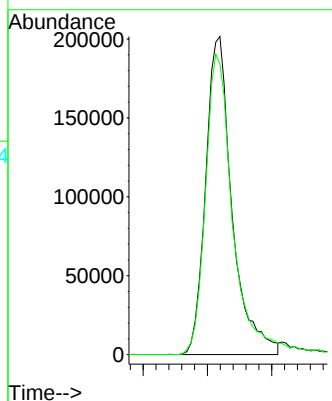
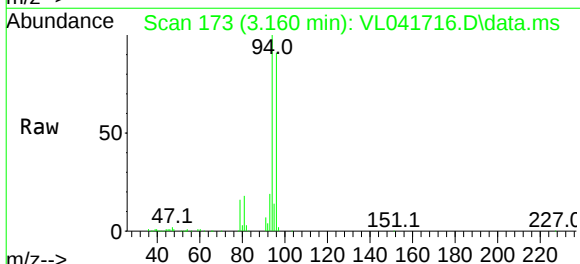
APPROVED

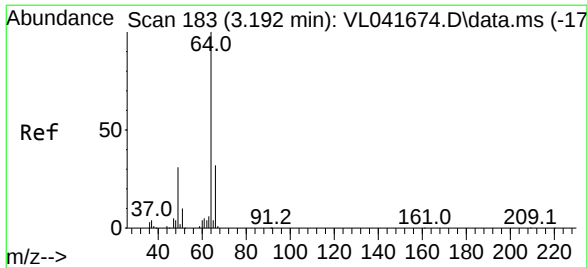
Reviewed By :Semsettin Yesilyurt 11/22/2024
 Supervised By :Mahesh Dadoda 11/22/2024



#6
 Bromomethane
 Concen: 8.265 ppbv
 RT: 3.160 min Scan# 173
 Delta R.T. 0.013 min
 Lab File: VL041716.D
 Acq: 21 Nov 2024 15:46

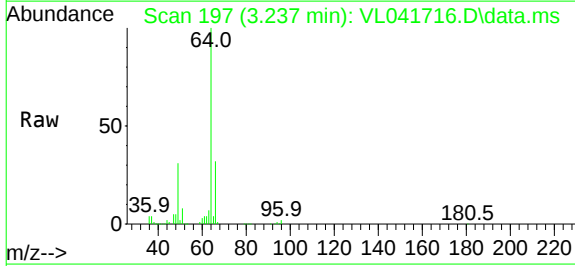
Tgt Ion: 94 Resp: 287896
 Ion Ratio Lower Upper
 94 100
 96 91.3 73.4 110.2





#7
Chloroethane
Concen: 10.122 ppbv
RT: 3.237 min Scan# 19
Delta R.T. 0.010 min
Lab File: VL041716.D
Acq: 21 Nov 2024 15:46

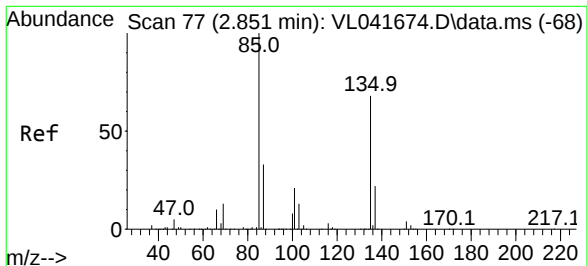
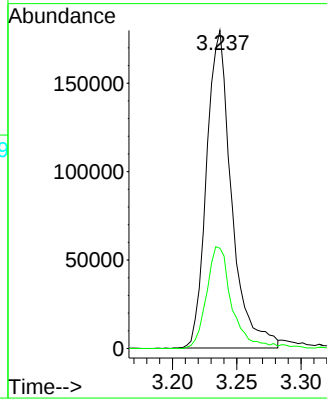
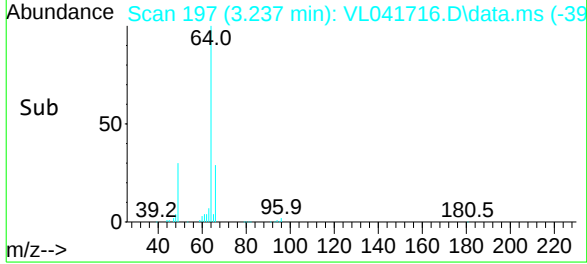
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC



Tgt Ion: 64 Resp: 242562
Ion Ratio Lower Upper
64 100
66 31.5 25.9 38.9

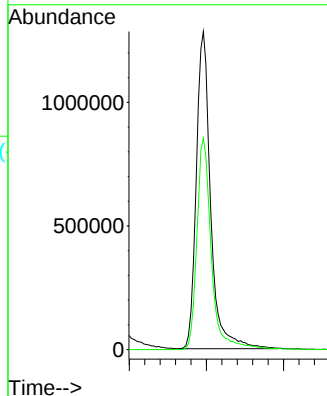
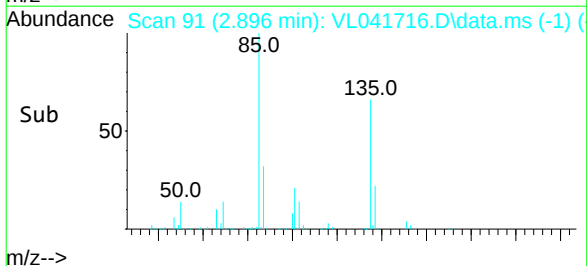
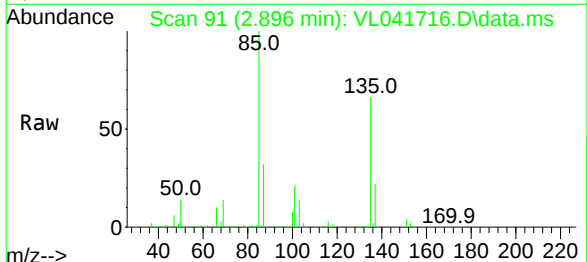
Manual Integrations
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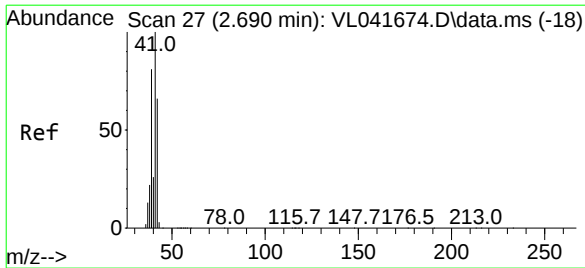
Reviewed By :Semsettin Yesilyurt 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024



#8
Dichlorotetrafluoroethane
Concen: 9.703 ppbv
RT: 2.896 min Scan# 91
Delta R.T. 0.013 min
Lab File: VL041716.D
Acq: 21 Nov 2024 15:46

Tgt Ion: 85 Resp: 1655808
Ion Ratio Lower Upper
85 100
135 67.3 55.5 83.3





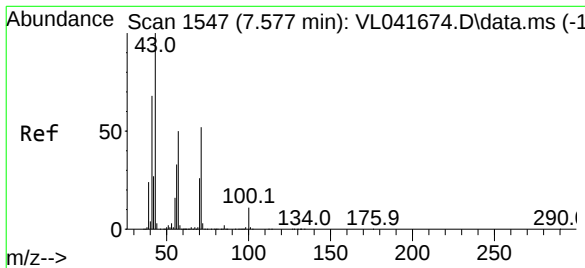
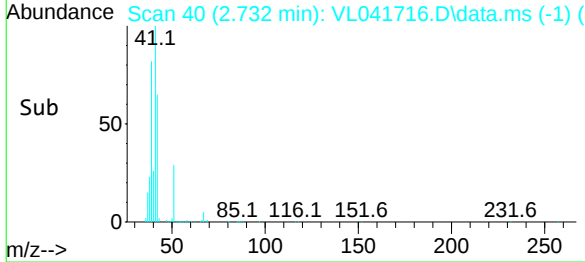
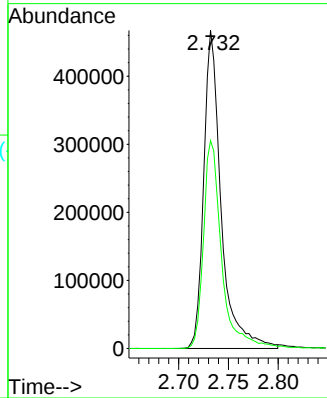
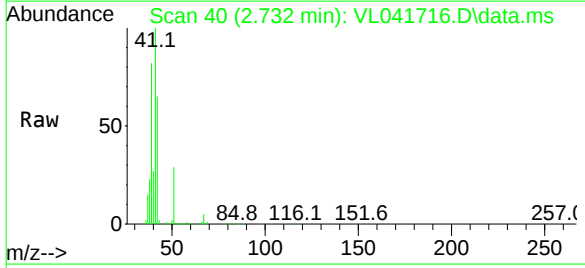
#9
Propene
Concen: 9.468 ppbv
RT: 2.732 min Scan# 40
Delta R.T. 0.010 min
Lab File: VL041716.D
Acq: 21 Nov 2024 15:46

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 41 Resp: 568529
Ion Ratio Lower Upper
41 100
42 68.8 55.0 82.4

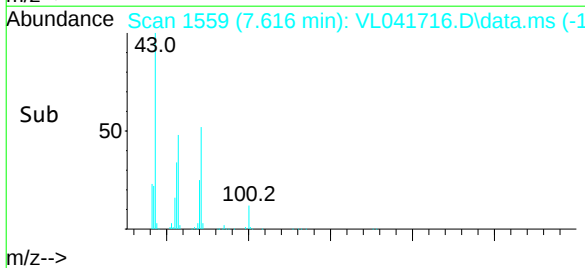
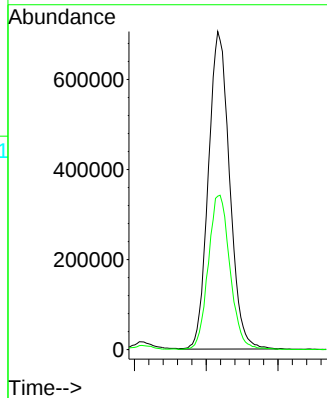
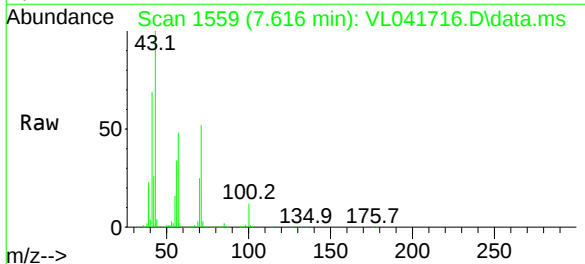
Manual Integrations
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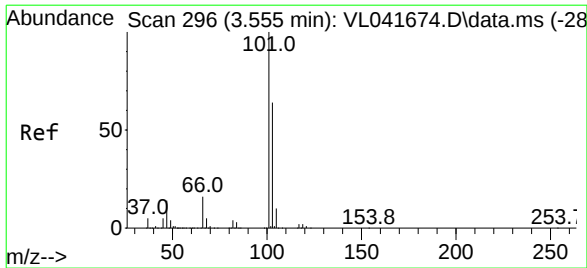
Reviewed By :Semsettin Yesilyurt 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024



#10
Heptane
Concen: 10.789 ppbv
RT: 7.616 min Scan# 1559
Delta R.T. 0.006 min
Lab File: VL041716.D
Acq: 21 Nov 2024 15:46

Tgt Ion: 43 Resp: 1451664
Ion Ratio Lower Upper
43 100
57 50.0 40.0 60.0





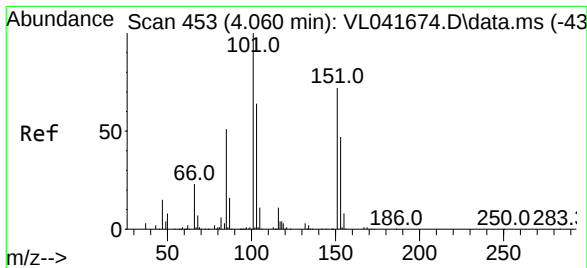
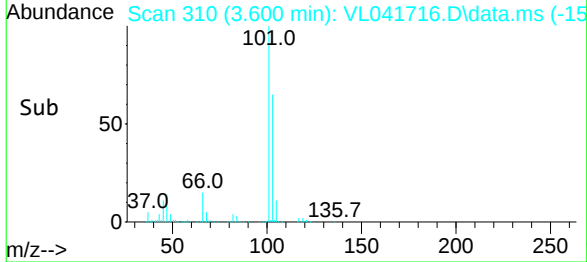
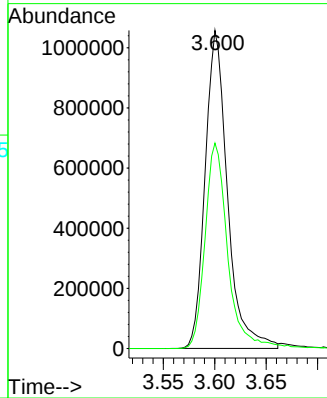
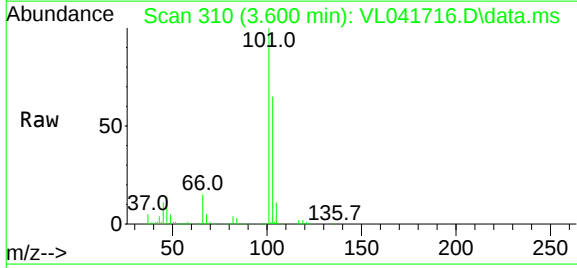
#11
Trichlorofluoromethane
Concen: 9.600 ppbv
RT: 3.600 min Scan# 311
Delta R.T. 0.010 min
Lab File: VL041716.D
Acq: 21 Nov 2024 15:46

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:101 Resp: 1598576
Ion Ratio Lower Upper
101 100
103 64.6 51.0 76.6

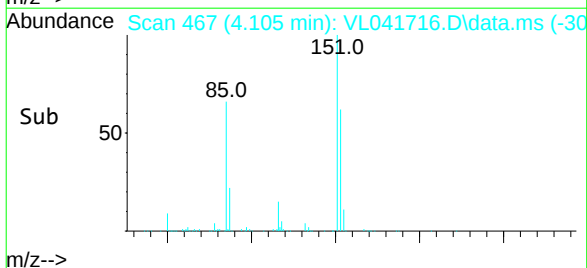
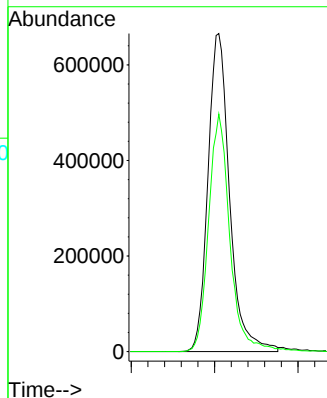
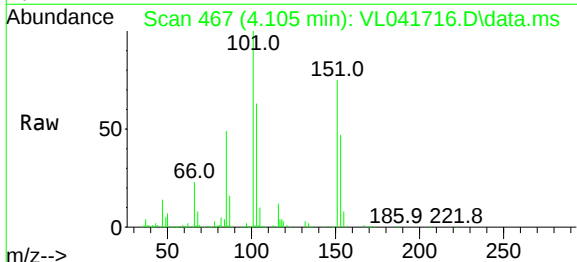
Manual Integrations
APPROVED

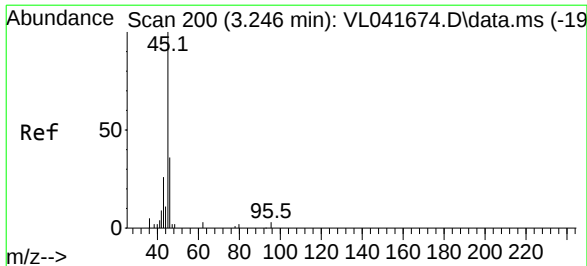
Reviewed By :Semsettin Yesilyurt 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024



#12
1,1,2-Trichlorotrifluoroethane
Concen: 9.923 ppbv
RT: 4.105 min Scan# 467
Delta R.T. 0.010 min
Lab File: VL041716.D
Acq: 21 Nov 2024 15:46

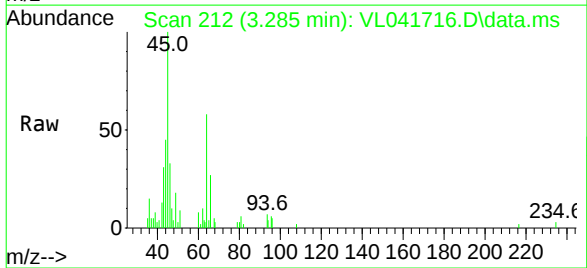
Tgt Ion:101 Resp: 1200967
Ion Ratio Lower Upper
101 100
151 73.4 59.1 88.7





#13
Ethanol
Concen: 5.190 ppbv m
RT: 3.285 min Scan# 21
Delta R.T. 0.010 min
Lab File: VL041716.D
Acq: 21 Nov 2024 15:46

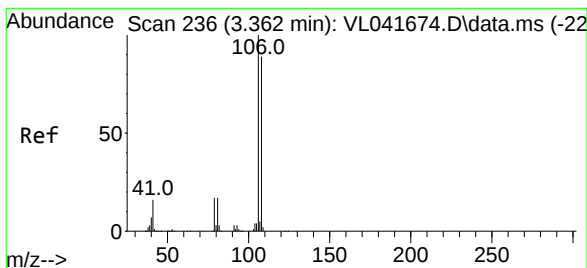
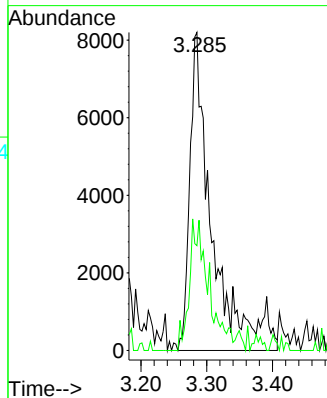
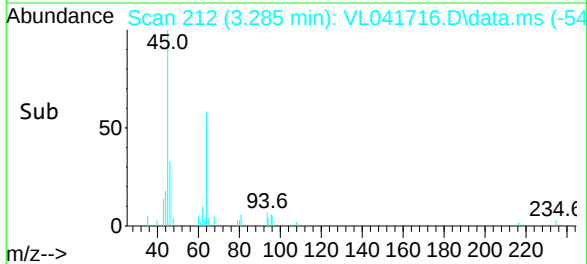
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC



Tgt Ion: 45 Resp: 19081
Ion Ratio Lower Upper
45 100
46 38.3 13.8 55.2

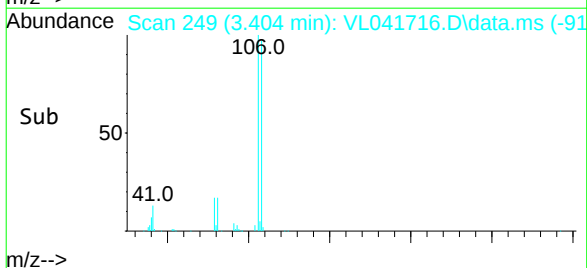
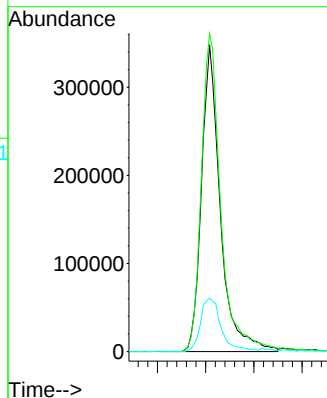
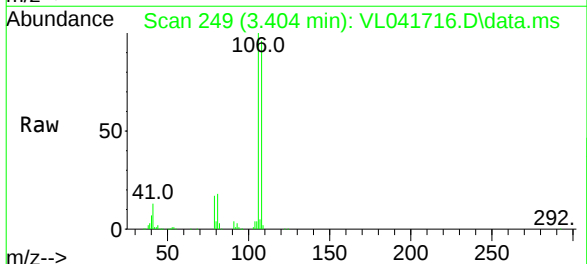
Manual Integrations
APPROVED

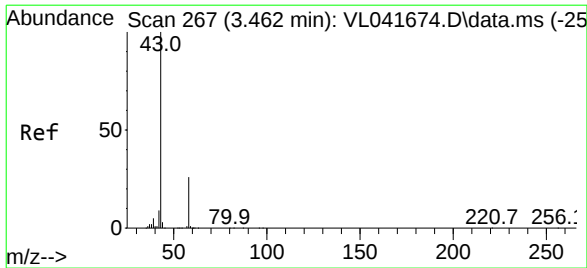
Reviewed By :Semsettin Yesilyurt 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024



#14
Bromoethene
Concen: 9.681 ppbv
RT: 3.404 min Scan# 249
Delta R.T. 0.010 min
Lab File: VL041716.D
Acq: 21 Nov 2024 15:46

Tgt Ion:108 Resp: 471023
Ion Ratio Lower Upper
108 100
106 108.6 88.6 133.0
79 20.5 15.6 23.4





#15

Acetone

Concen: 9.385 ppbv

RT: 3.507 min Scan# 28

Delta R.T. 0.010 min

Lab File: VL041716.D

Acq: 21 Nov 2024 15:46

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 43 Resp: 1221603

Ion Ratio Lower Upper

43 100

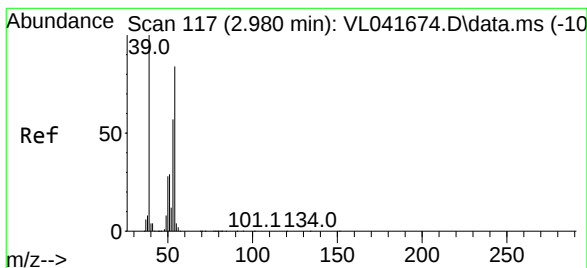
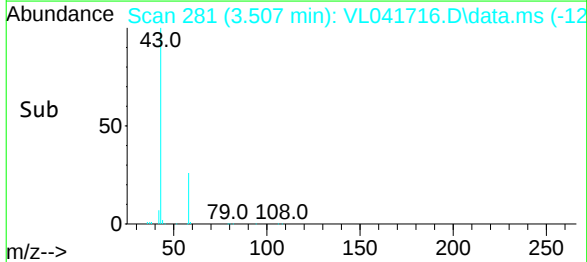
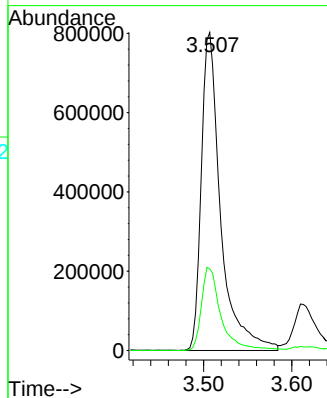
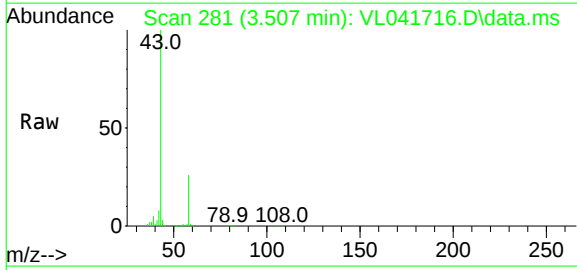
58 26.3 21.4 32.0

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#16

1,3-Butadiene

Concen: 10.205 ppbv

RT: 3.021 min Scan# 130

Delta R.T. 0.010 min

Lab File: VL041716.D

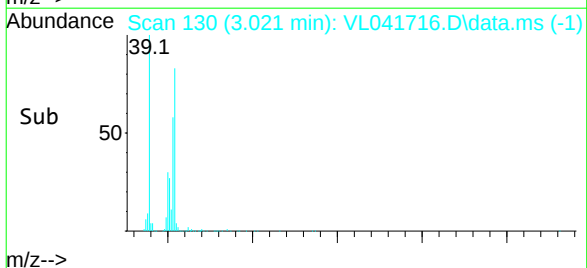
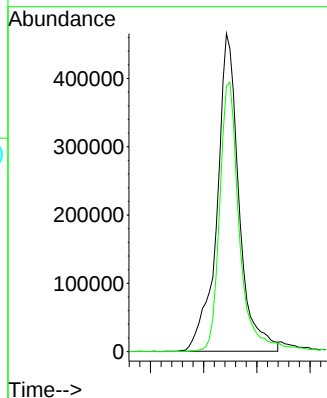
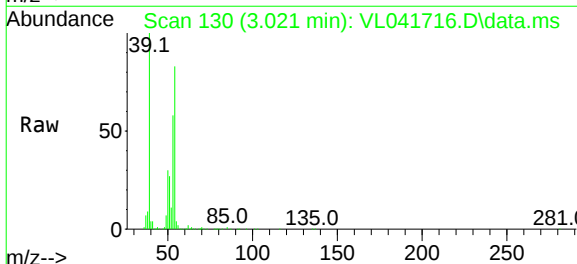
Acq: 21 Nov 2024 15:46

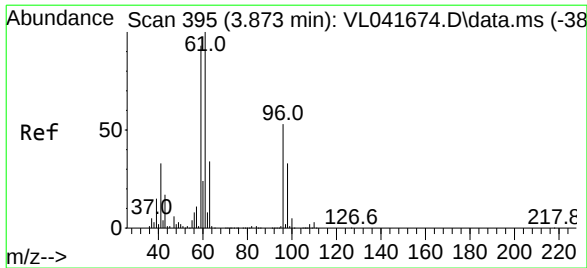
Tgt Ion: 39 Resp: 670260

Ion Ratio Lower Upper

39 100

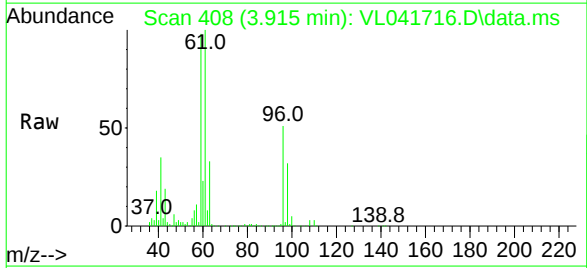
54 77.3 61.3 91.9





#17
tert-Butyl alcohol
Concen: 9.897 ppbv
RT: 3.915 min Scan# 408
Delta R.T. 0.010 min
Lab File: VL041716.D
Acq: 21 Nov 2024 15:46

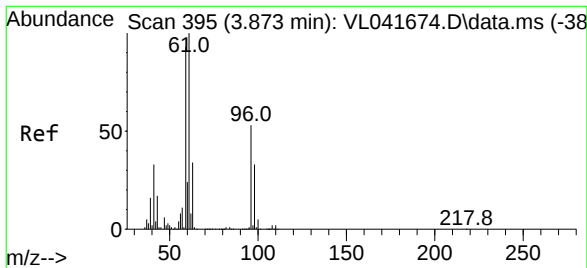
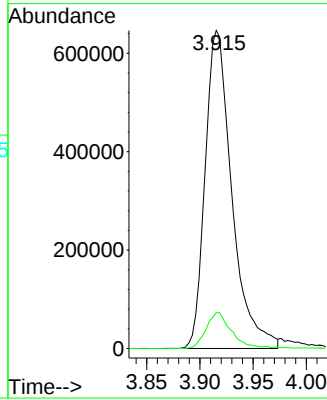
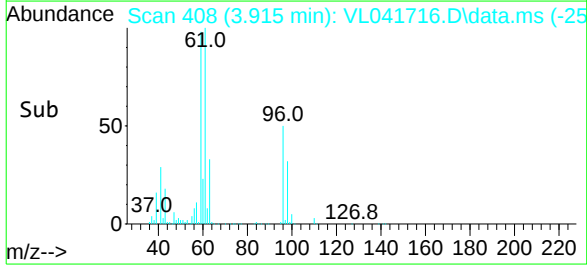
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC



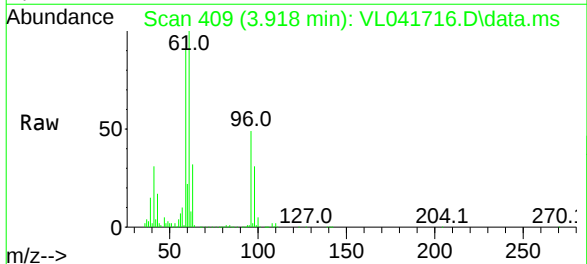
Tgt Ion: 59 Resp: 1130521
Ion Ratio Lower Upper
59 100
57 11.1 8.5 12.7

Manual Integrations
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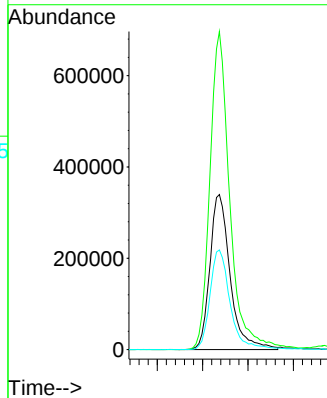
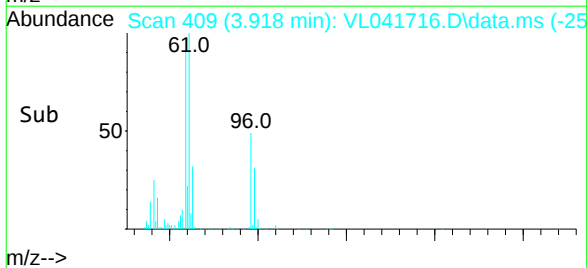
Reviewed By :Semsettin Yesilyurt 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

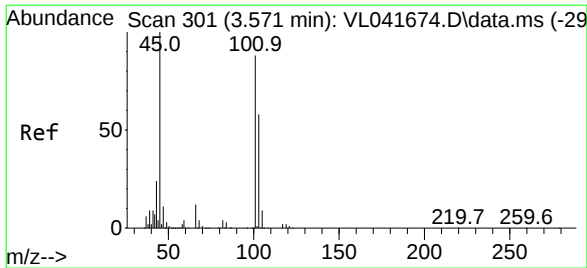


#18
1,1-Dichloroethene
Concen: 9.948 ppbv
RT: 3.918 min Scan# 409
Delta R.T. 0.010 min
Lab File: VL041716.D
Acq: 21 Nov 2024 15:46



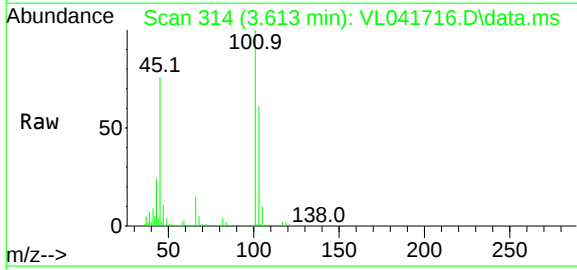
Tgt Ion: 96 Resp: 528024
Ion Ratio Lower Upper
96 100
61 205.1 150.7 226.1
98 64.2 49.4 74.2





#19
Isopropyl Alcohol
Concen: 10.138 ppbv
RT: 3.613 min Scan# 311
Delta R.T. 0.010 min
Lab File: VL041716.D
Acq: 21 Nov 2024 15:46

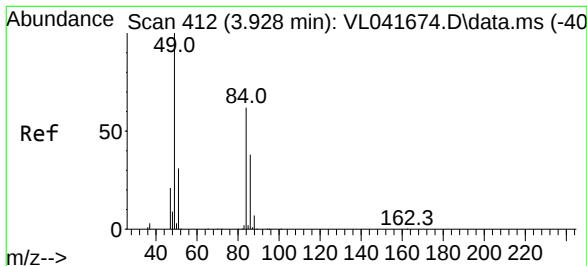
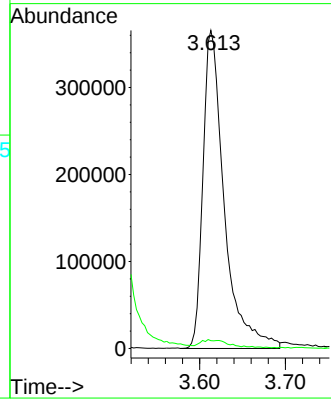
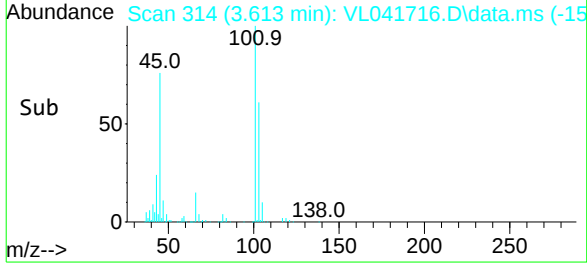
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC



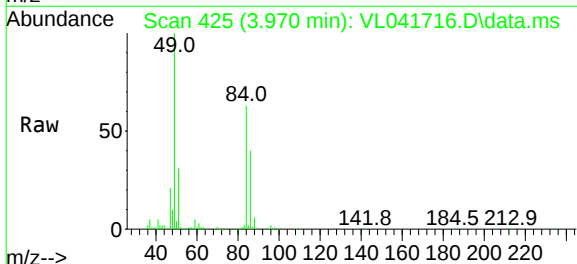
Tgt Ion: 45 Resp: 630750
Ion Ratio Lower Upper
45 100
58 3.8 2.5 3.7

Manual Integrations
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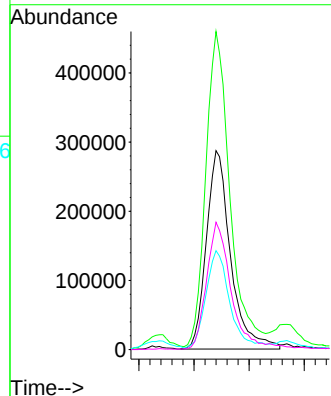
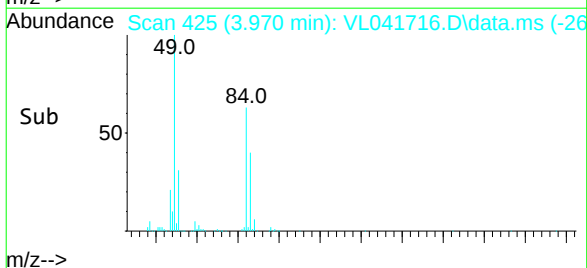
Reviewed By :Semsettin Yesilyurt 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

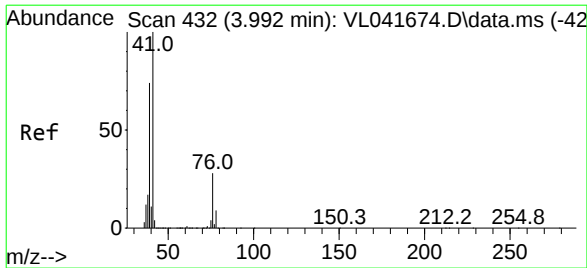


#20
Methylene Chloride
Concen: 9.160 ppbv
RT: 3.970 min Scan# 425
Delta R.T. 0.010 min
Lab File: VL041716.D
Acq: 21 Nov 2024 15:46



Tgt Ion: 84 Resp: 438753
Ion Ratio Lower Upper
84 100
49 158.6 129.7 194.5
51 48.3 39.8 59.6
86 64.0 49.1 73.7





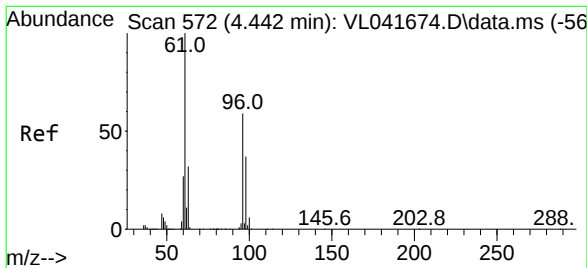
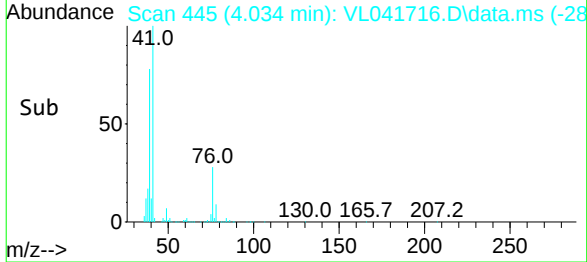
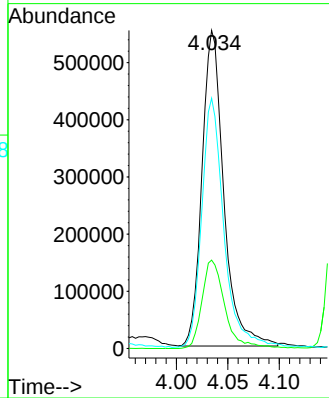
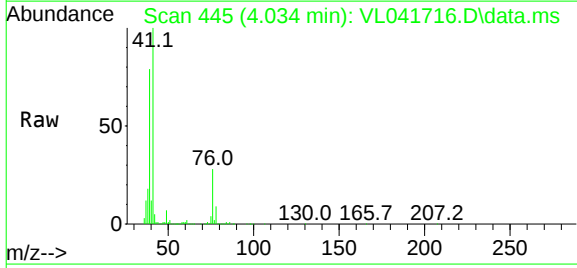
#21
 Allyl Chloride
 Concen: 10.144 ppbv
 RT: 4.034 min Scan# 44
 Delta R.T. 0.010 min
 Lab File: VL041716.D
 Acq: 21 Nov 2024 15:46

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion: 41 Resp: 815920
 Ion Ratio Lower Upper
 41 100
 76 29.3 23.5 35.3
 39 80.5 63.0 94.4

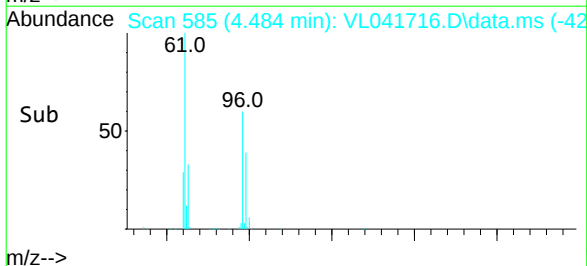
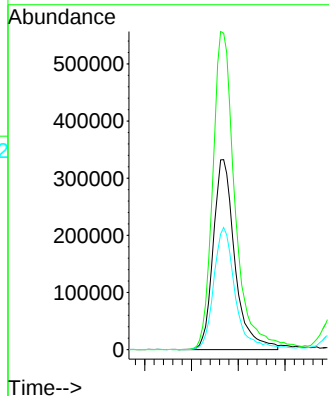
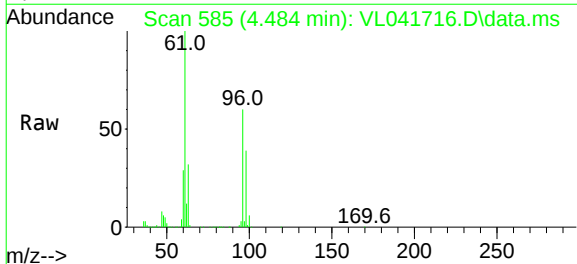
Manual Integrations
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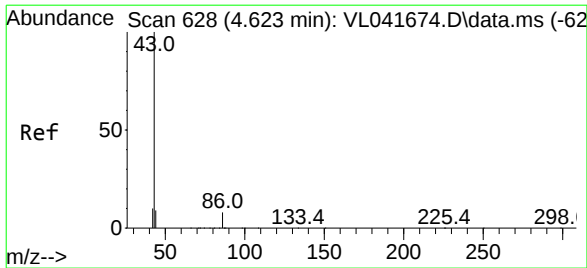
Reviewed By :Semsettin Yesilyurt 11/22/2024
 Supervised By :Mahesh Dadoda 11/22/2024



#22
 trans-1,2-Dichloroethene
 Concen: 10.148 ppbv
 RT: 4.484 min Scan# 585
 Delta R.T. 0.010 min
 Lab File: VL041716.D
 Acq: 21 Nov 2024 15:46

Tgt Ion: 96 Resp: 535620
 Ion Ratio Lower Upper
 96 100
 61 166.6 134.5 201.7
 98 64.3 49.6 74.4





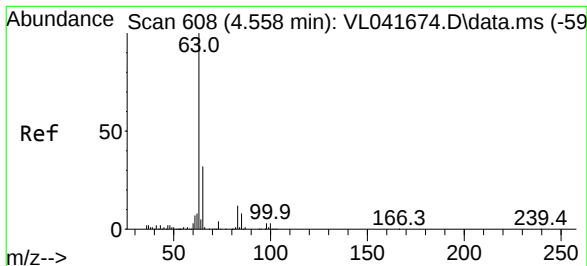
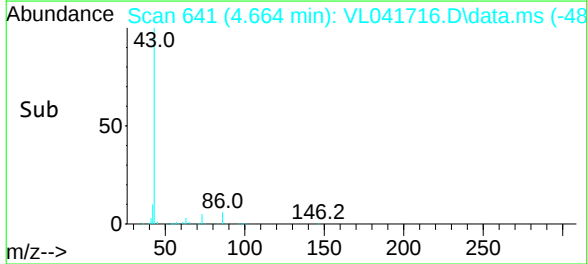
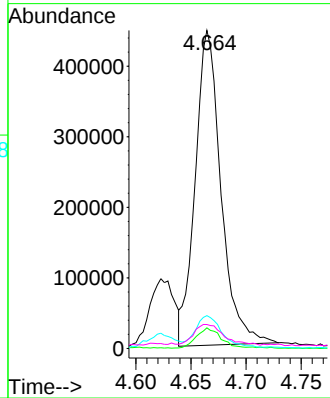
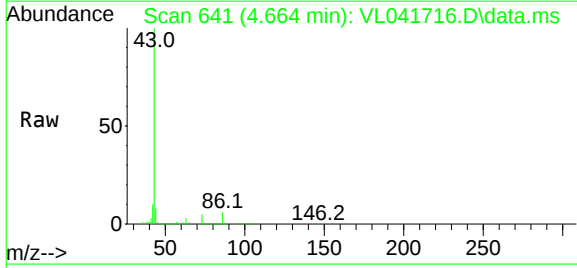
#23
 Vinyl Acetate
 Concen: 12.653 ppbv
 RT: 4.664 min Scan# 641
 Delta R.T. 0.010 min
 Lab File: VL041716.D
 Acq: 21 Nov 2024 15:46

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion: 43	Resp: 726042
Ion Ratio	Lower Upper
43 100	
86 6.5	5.3 7.9
42 10.1	8.5 12.7
44 6.3	6.7 10.1#

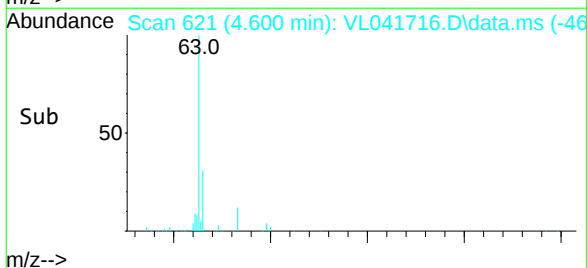
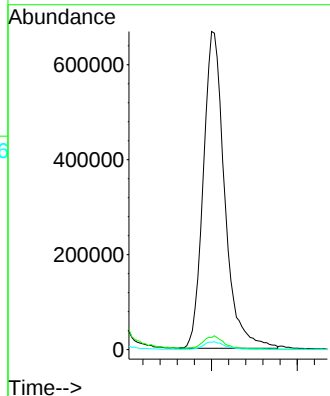
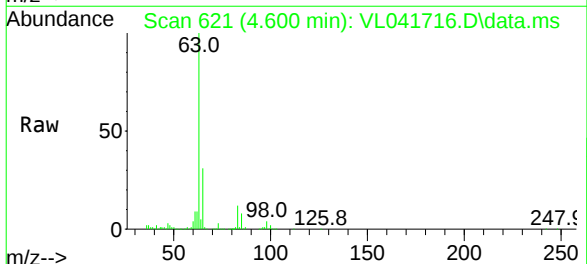
Manual Integrations
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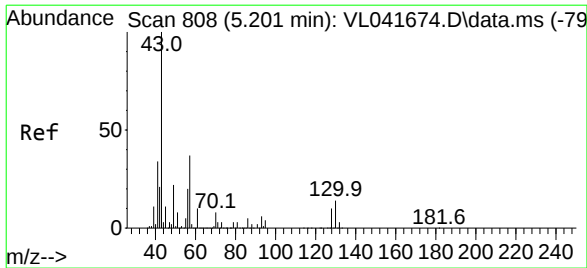
Reviewed By :Semsettin Yesilyurt 11/22/2024
 Supervised By :Mahesh Dadoda 11/22/2024



#24
 1,1-Dichloroethane
 Concen: 9.799 ppbv
 RT: 4.600 min Scan# 621
 Delta R.T. 0.006 min
 Lab File: VL041716.D
 Acq: 21 Nov 2024 15:46

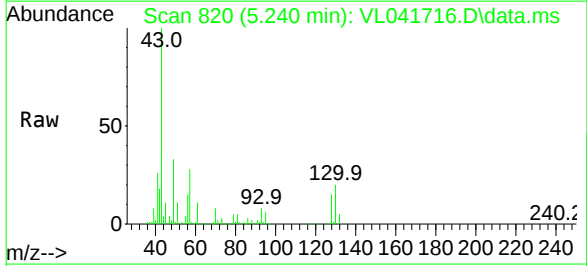
Tgt Ion: 63	Resp: 1154395
Ion Ratio	Lower Upper
63 100	
98 3.8	1.8 5.4
100 2.3	1.4 4.2





#25
Ethyl Acetate
Concen: 9.608 ppbv
RT: 5.240 min Scan# 820
Delta R.T. 0.006 min
Lab File: VL041716.D
Acq: 21 Nov 2024 15:46

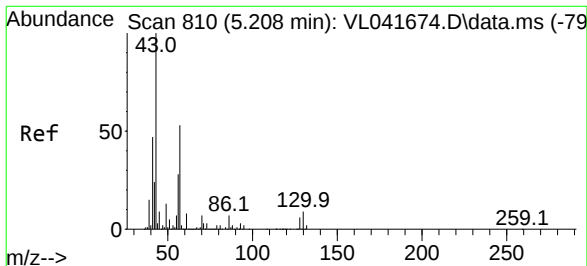
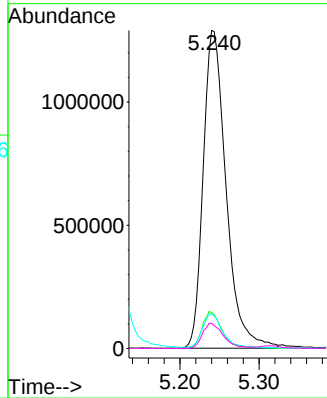
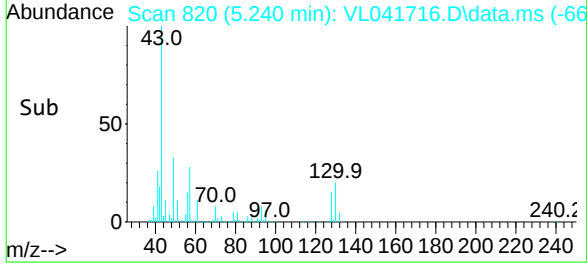
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC



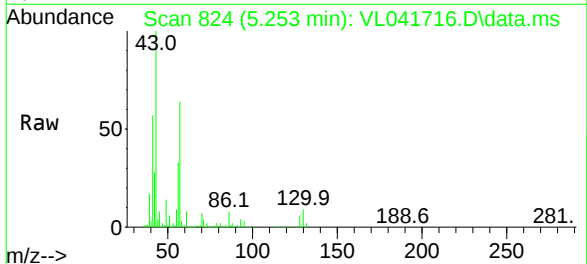
Tgt Ion: 43 Resp: 2588640
Ion Ratio Lower Upper
43 100
45 10.5 8.6 13.0
61 10.0 8.4 12.6
70 7.3 5.8 8.6

Manual Integrations
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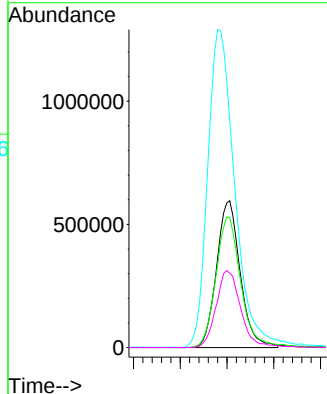
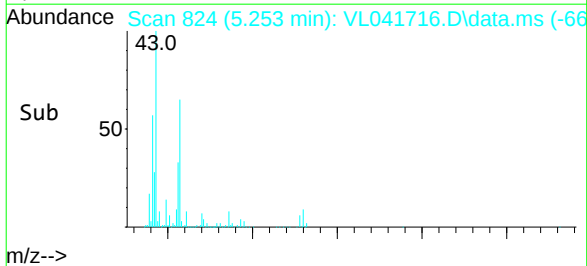
Reviewed By :Semsettin Yesilyurt 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

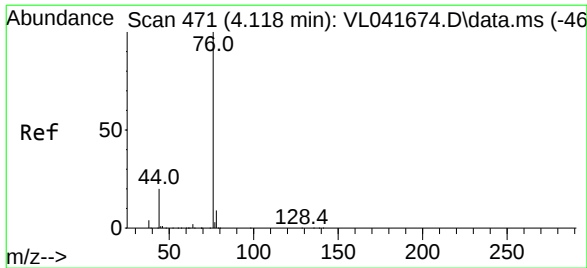


#26
Hexane
Concen: 10.093 ppbv
RT: 5.253 min Scan# 824
Delta R.T. 0.010 min
Lab File: VL041716.D
Acq: 21 Nov 2024 15:46



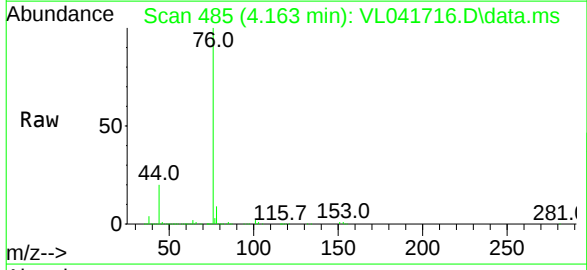
Tgt Ion: 57 Resp: 1044800
Ion Ratio Lower Upper
57 100
41 95.1 76.1 114.1
43 250.8 207.0 310.6
56 55.0 43.7 65.5





#27
Carbon Disulfide
Concen: 10.999 ppbv
RT: 4.163 min Scan# 48
Delta R.T. 0.010 min
Lab File: VL041716.D
Acq: 21 Nov 2024 15:46

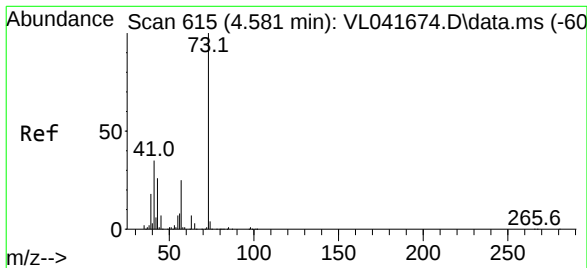
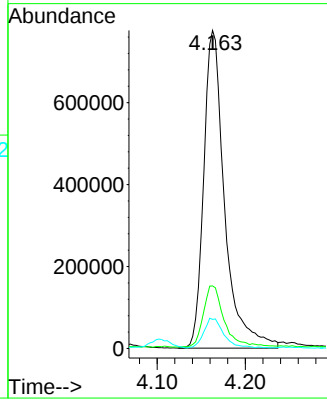
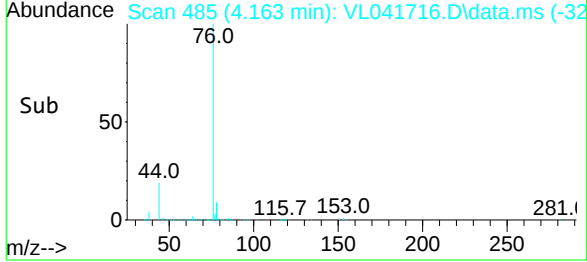
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC



Tgt Ion: 76 Resp: 1279183
Ion Ratio Lower Upper
76 100
44 19.9 15.8 23.8
78 9.5 7.5 11.3

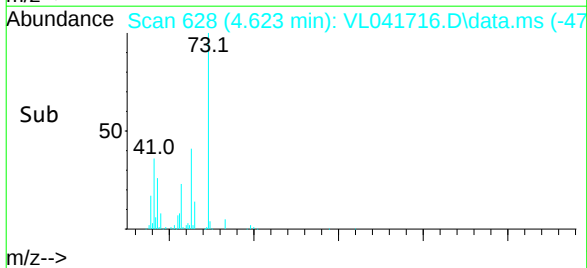
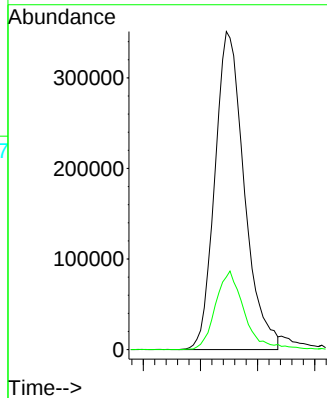
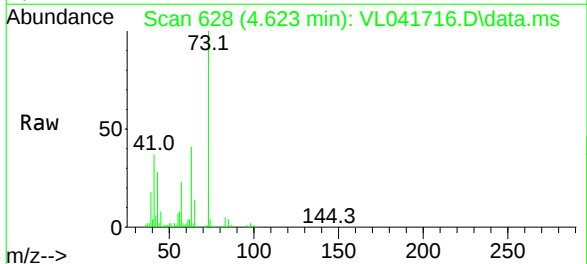
Manual Integrations
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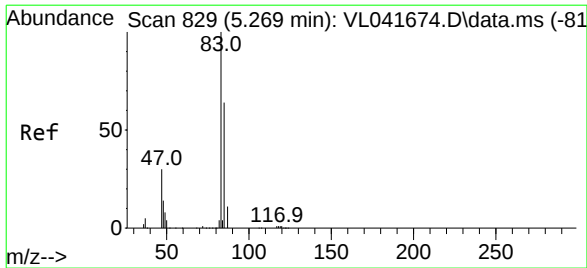
Reviewed By :Semsettin Yesilyurt 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024



#28
Methyl tert-Butyl Ether
Concen: 9.405 ppbv
RT: 4.623 min Scan# 628
Delta R.T. 0.006 min
Lab File: VL041716.D
Acq: 21 Nov 2024 15:46

Tgt Ion: 73 Resp: 626938
Ion Ratio Lower Upper
73 100
57 24.4 19.6 29.4





#29

Chloroform

Concen: 9.757 ppbv

RT: 5.314 min Scan# 84

Delta R.T. 0.006 min

Lab File: VL041716.D

Acq: 21 Nov 2024 15:46

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 83 Resp: 1667143

Ion Ratio Lower Upper

83 100

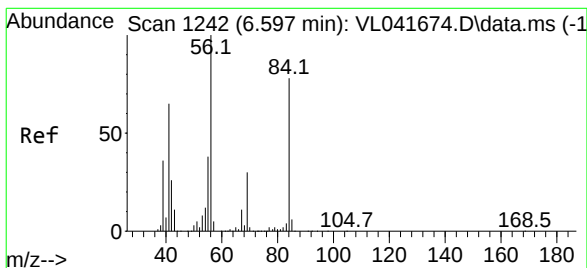
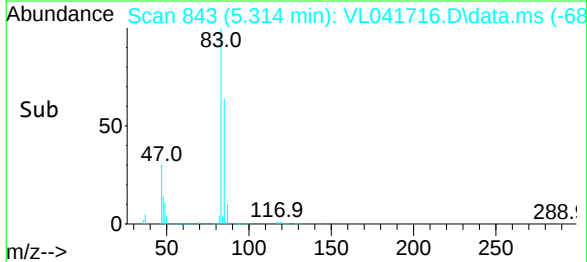
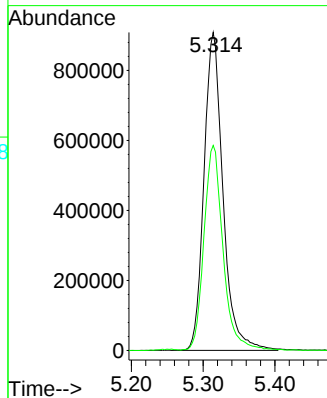
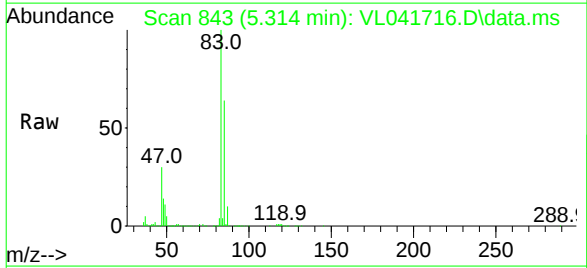
85 64.3 51.1 76.7

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#30

Cyclohexane

Concen: 10.138 ppbv

RT: 6.642 min Scan# 1256

Delta R.T. 0.010 min

Lab File: VL041716.D

Acq: 21 Nov 2024 15:46

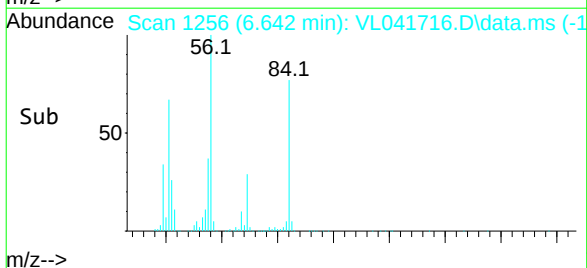
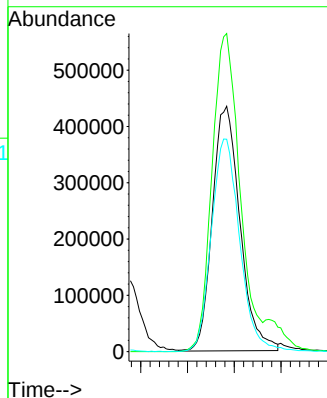
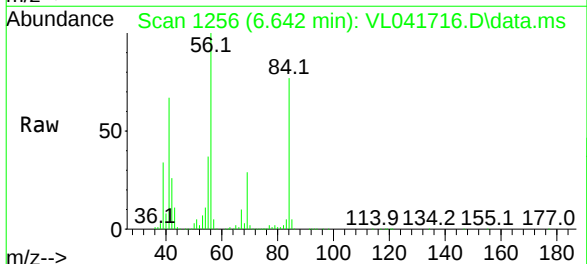
Tgt Ion: 84 Resp: 893628

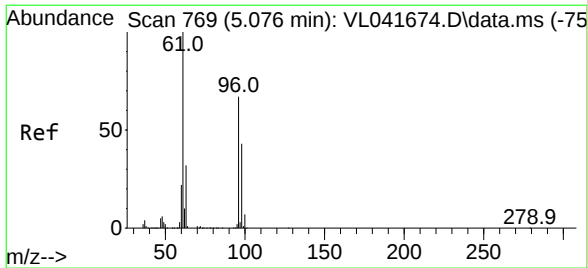
Ion Ratio Lower Upper

84 100

56 139.6 110.8 166.2

41 89.7 70.0 105.0





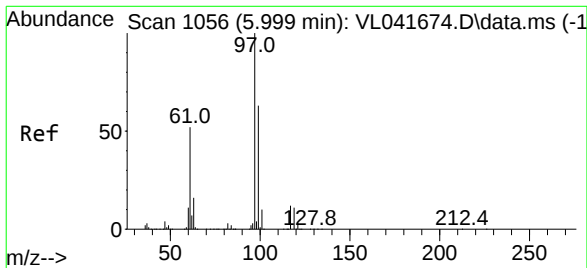
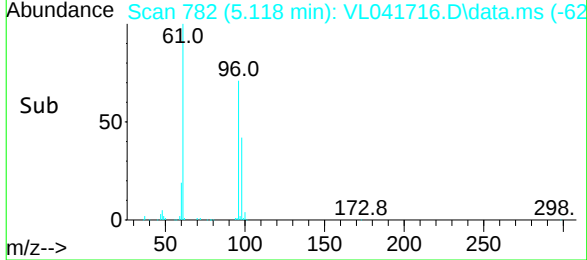
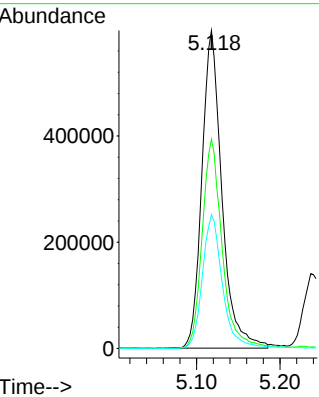
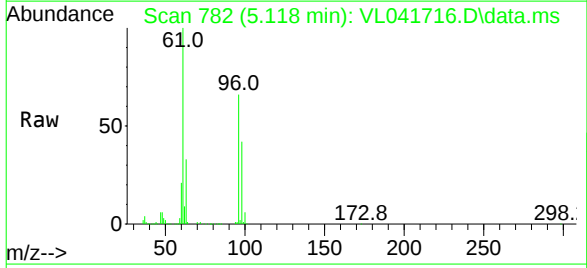
#31
 cis-1,2-Dichloroethene
 Concen: 9.995 ppbv
 RT: 5.118 min Scan# 78
 Delta R.T. 0.010 min
 Lab File: VL041716.D
 Acq: 21 Nov 2024 15:46

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion: 61 Resp: 995302
 Ion Ratio Lower Upper
 61 100
 96 65.8 53.4 80.2
 98 42.0 34.0 51.0

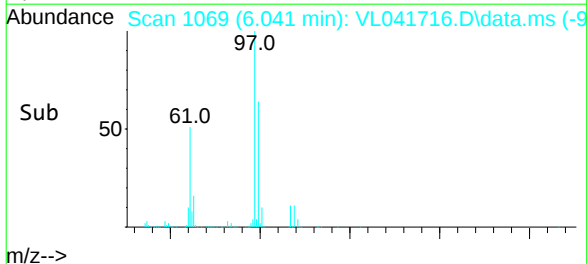
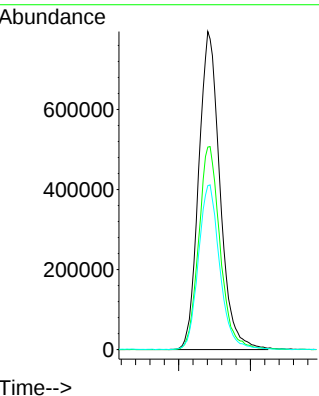
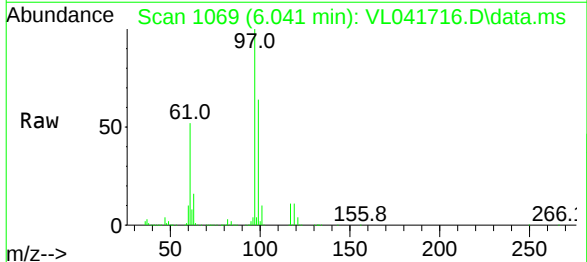
Manual Integrations
 APPROVED

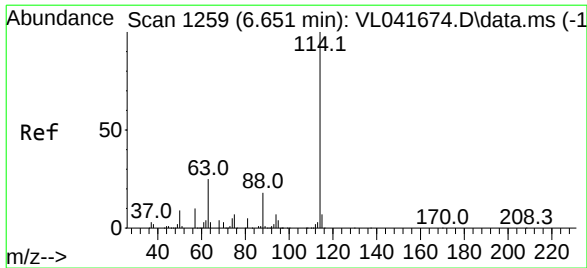
Reviewed By :Semsettin Yesilyurt 11/22/2024
 Supervised By :Mahesh Dadoda 11/22/2024



#32
 1,1,1-Trichloroethane
 Concen: 10.502 ppbv
 RT: 6.041 min Scan# 1069
 Delta R.T. 0.006 min
 Lab File: VL041716.D
 Acq: 21 Nov 2024 15:46

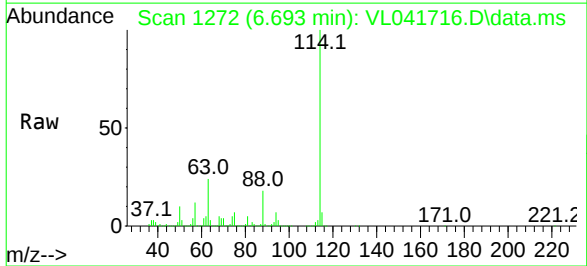
Tgt Ion: 97 Resp: 1637105
 Ion Ratio Lower Upper
 97 100
 99 64.4 51.4 77.2
 61 52.0 41.7 62.5





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.693 min Scan# 12
Delta R.T. 0.010 min
Lab File: VL041716.D
Acq: 21 Nov 2024 15:46

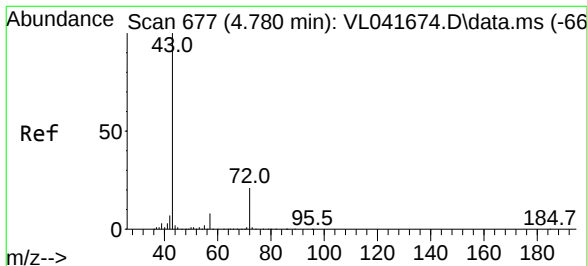
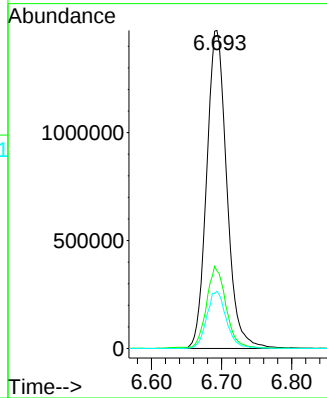
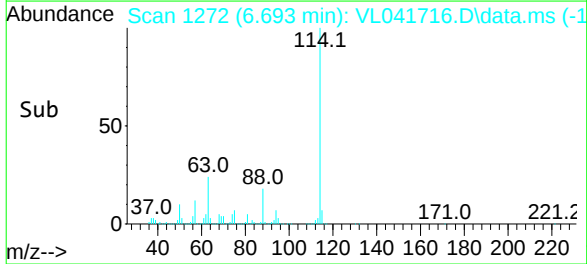
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC



Tgt Ion: 114 Resp: 2933077
Ion Ratio Lower Upper
114 100
63 25.5 20.3 30.5
88 17.6 14.2 21.4

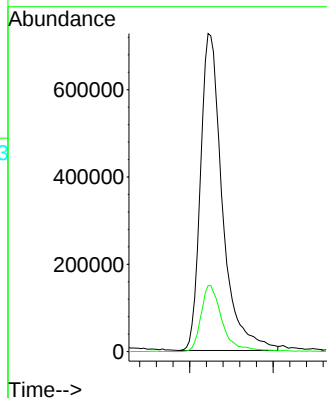
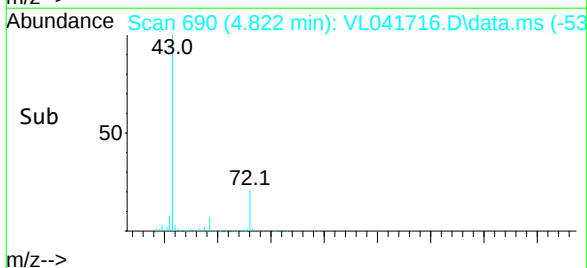
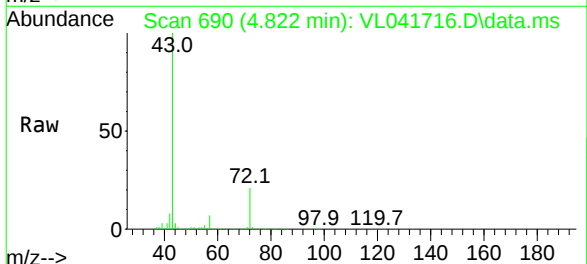
Manual Integrations
APPROVED

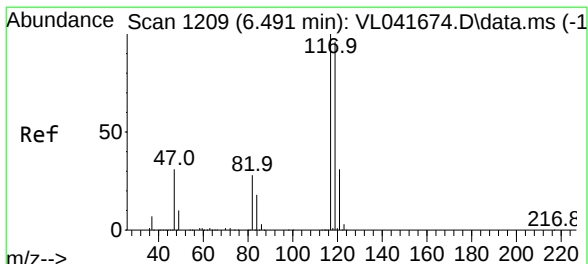
Reviewed By :Semsettin Yesilyurt 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024



#34
2-Butanone
Concen: 9.081 ppbv
RT: 4.822 min Scan# 690
Delta R.T. 0.006 min
Lab File: VL041716.D
Acq: 21 Nov 2024 15:46

Tgt Ion: 43 Resp: 1326267
Ion Ratio Lower Upper
43 100
72 20.5 17.4 26.0





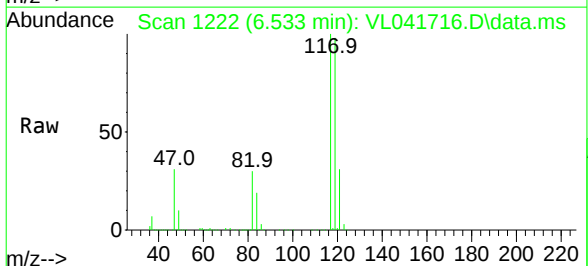
#35
Carbon Tetrachloride
Concen: 10.964 ppbv
RT: 6.533 min Scan# 1210
Delta R.T. 0.006 min
Lab File: VL041716.D
Acq: 21 Nov 2024 15:46

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

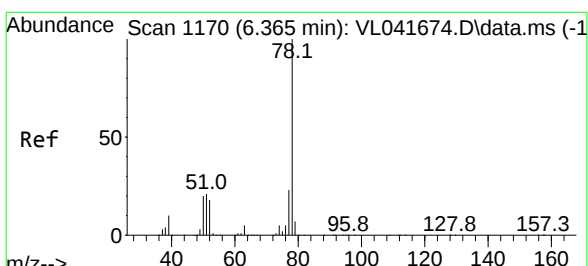
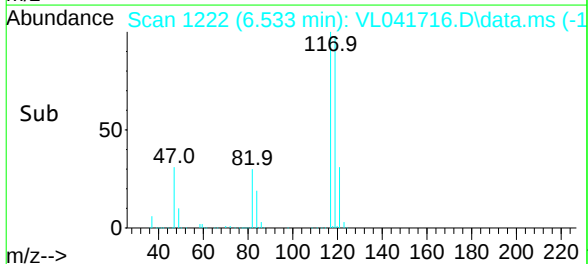
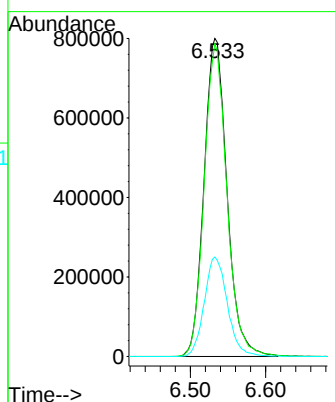


Tgt Ion: 117 Resp: 1696639

Ion	Ratio	Lower	Upper
117	100		
119	98.1	77.2	115.8
121	31.2	25.0	37.4

Manual Integrations
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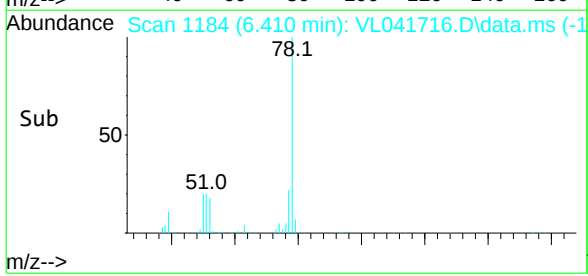
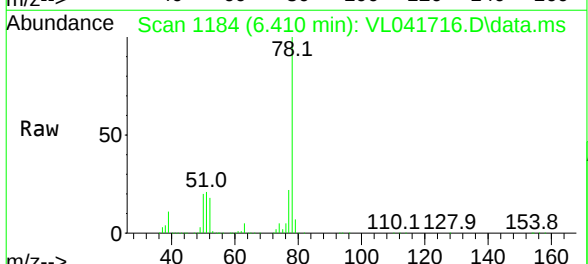
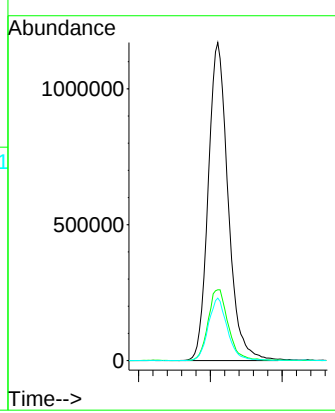
Reviewed By : Semsettin Yesilyurt 11/22/2024
Supervised By : Mahesh Dadoda 11/22/2024

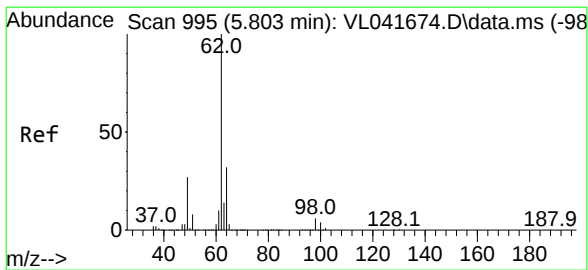


#36
Benzene
Concen: 10.344 ppbv
RT: 6.410 min Scan# 1184
Delta R.T. 0.010 min
Lab File: VL041716.D
Acq: 21 Nov 2024 15:46

Tgt Ion: 78 Resp: 2247959

Ion	Ratio	Lower	Upper
78	100		
77	22.2	18.5	27.7
50	19.6	15.6	23.4





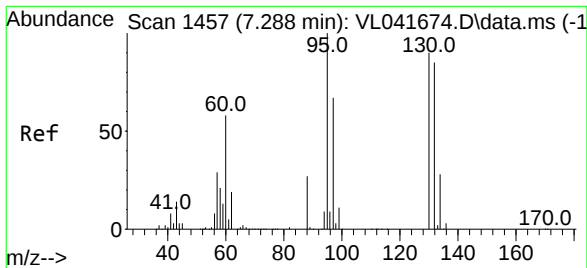
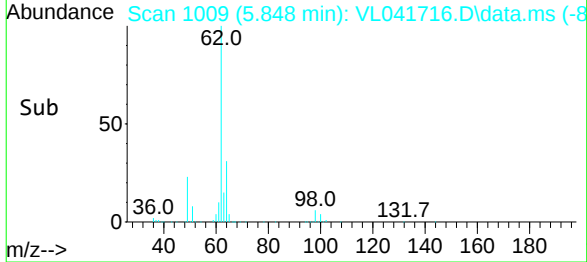
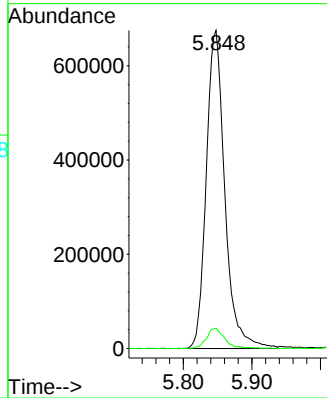
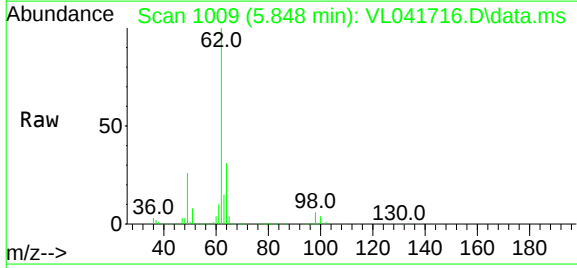
#37
1,2-Dichloroethane
Concen: 10.339 ppbv
RT: 5.848 min Scan# 10
Delta R.T. 0.010 min
Lab File: VL041716.D
Acq: 21 Nov 2024 15:46

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 62 Resp: 1267601
Ion Ratio Lower Upper
62 100
98 6.4 5.2 7.8

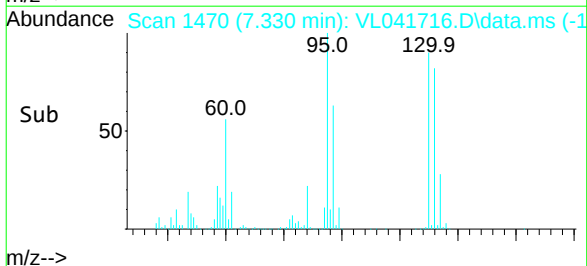
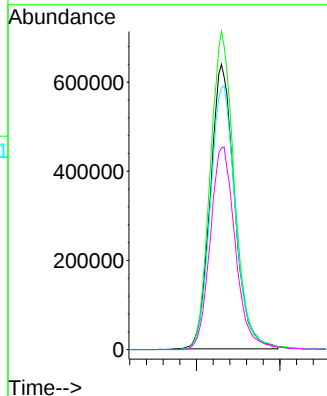
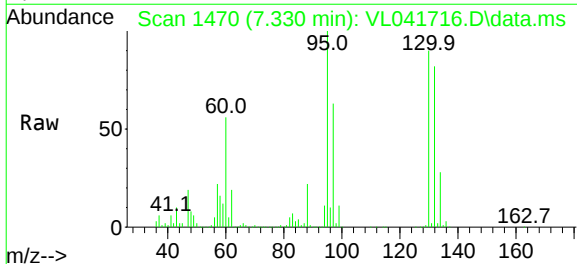
Manual Integrations
APPROVED

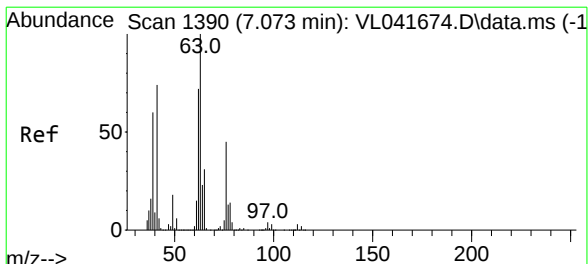
Reviewed By :Semsettin Yesilyurt 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024



#38
Trichloroethene
Concen: 15.404 ppbv
RT: 7.330 min Scan# 1470
Delta R.T. 0.003 min
Lab File: VL041716.D
Acq: 21 Nov 2024 15:46

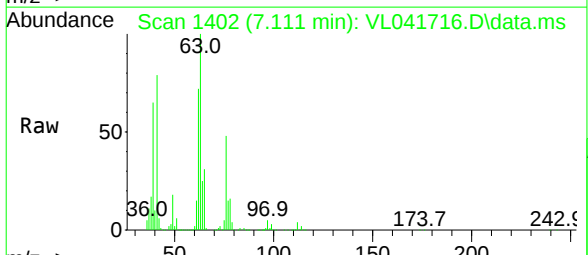
Tgt Ion:130 Resp: 1285707
Ion Ratio Lower Upper
130 100
95 111.7 89.1 133.7
132 92.0 75.7 113.5
97 70.8 60.0 90.0





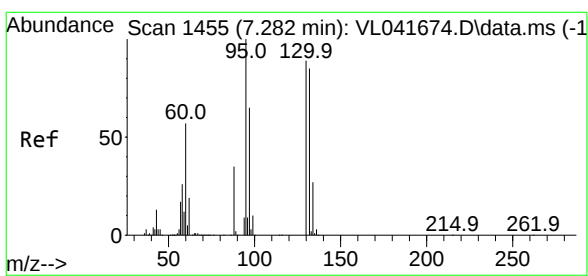
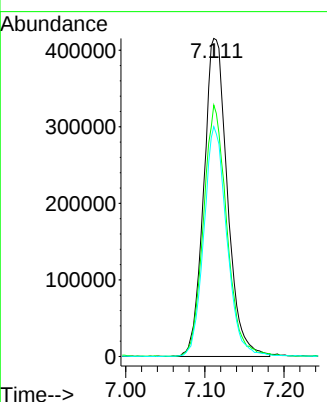
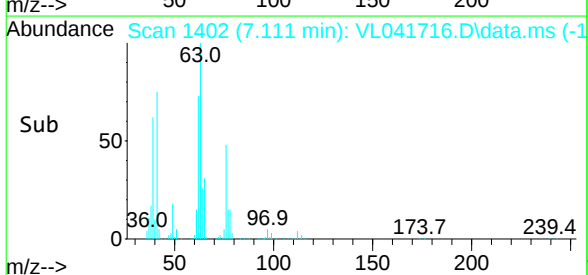
#39
 1,2-Dichloropropane
 Concen: 10.024 ppbv
 RT: 7.111 min Scan# 1468
 Delta R.T. 0.003 min
 Lab File: VL041716.D
 Acq: 21 Nov 2024 15:46

Instrument : MSVOA_L
 ClientSampleId : VSTDCCC010EC

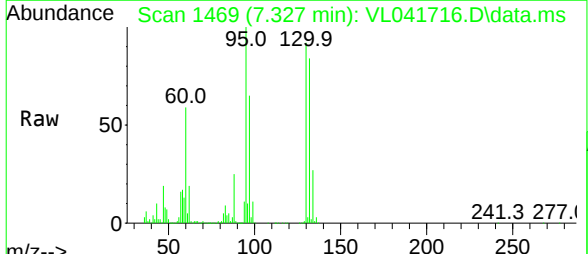


Tgt Ion:	63	Resp:	860843
Ion	Ratio	Lower	Upper
63	100		
41	78.9	59.1	88.7
62	72.2	57.7	86.5

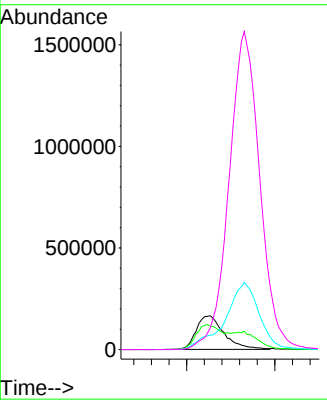
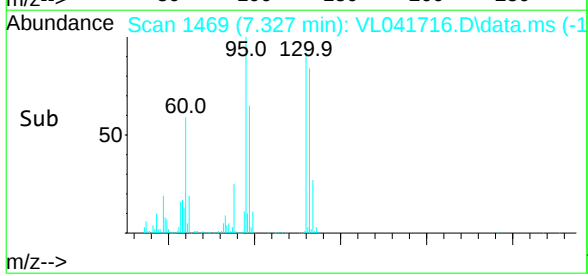
Manual Integrations
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 Reviewed By :Semsettin Yesilyurt 11/22/2024
 Supervised By :Mahesh Dadoda 11/22/2024

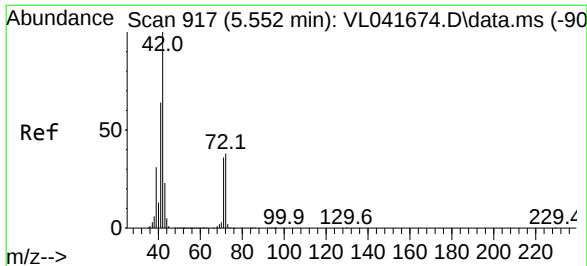


#40
 1,4-Dioxane
 Concen: 11.759 ppbv
 RT: 7.327 min Scan# 1469
 Delta R.T. 0.010 min
 Lab File: VL041716.D
 Acq: 21 Nov 2024 15:46



Tgt Ion:	88	Resp:	362339
Ion	Ratio	Lower	Upper
88	100		
58	122.3	101.4	152.2
43	246.2	208.0	312.0
57	1052.1	902.9	1354.3





#41

Tetrahydrofuran

Concen: 10.662 ppbv

RT: 5.594 min Scan# 93

Delta R.T. 0.006 min

Lab File: VL041716.D

Acq: 21 Nov 2024 15:46

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 42 Resp: 889296

Ion Ratio Lower Upper

42 100

72 37.5 29.8 44.6

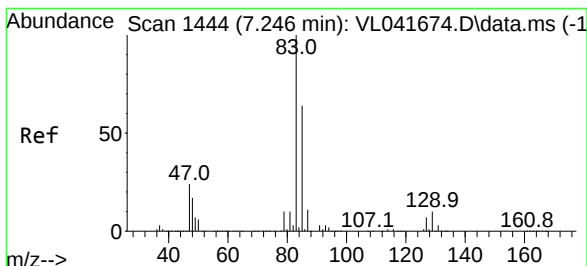
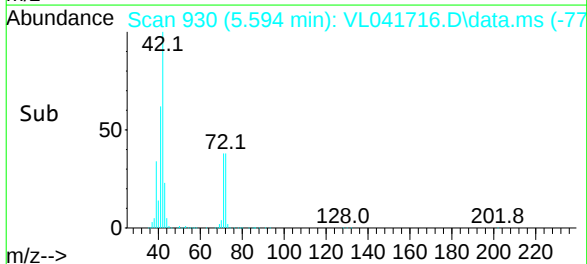
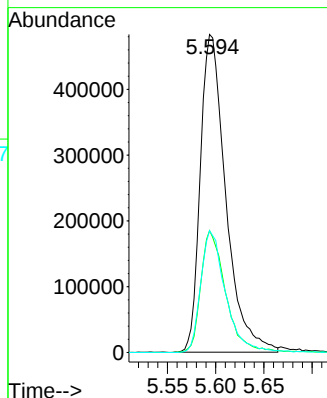
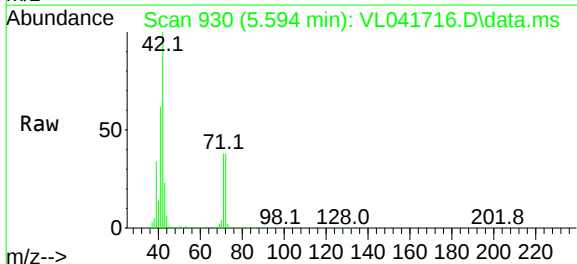
71 37.6 29.4 44.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#42

Bromodichloromethane

Concen: 10.535 ppbv

RT: 7.288 min Scan# 1457

Delta R.T. 0.006 min

Lab File: VL041716.D

Acq: 21 Nov 2024 15:46

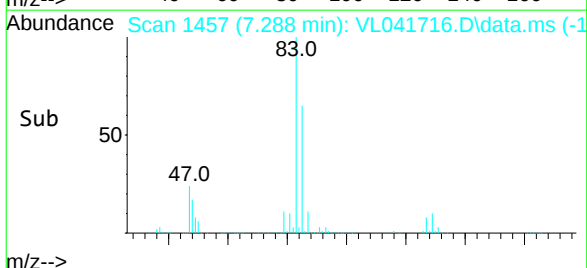
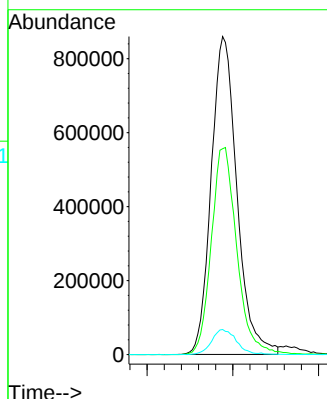
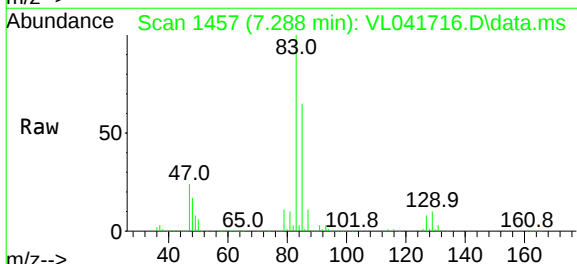
Tgt Ion: 83 Resp: 1794888

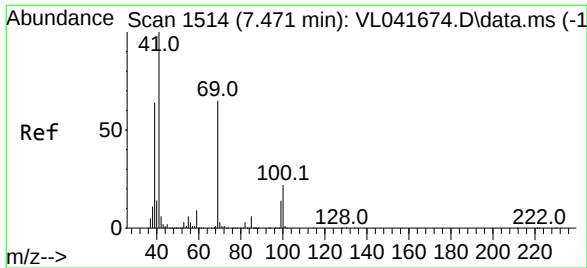
Ion Ratio Lower Upper

83 100

85 64.8 51.2 76.8

127 7.9 6.0 9.0





#43

Methyl Methacrylate

Concen: 11.295 ppbv

RT: 7.510 min Scan# 1514

Delta R.T. 0.003 min

Lab File: VL041716.D

Acq: 21 Nov 2024 15:46

Instrument :

MSVOA_L

ClientSampleId :

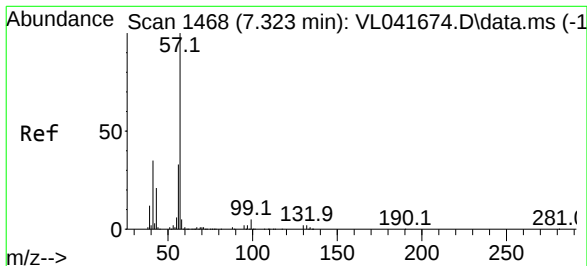
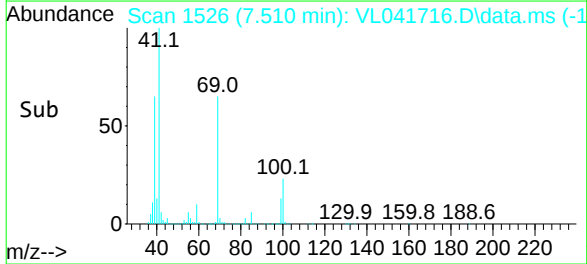
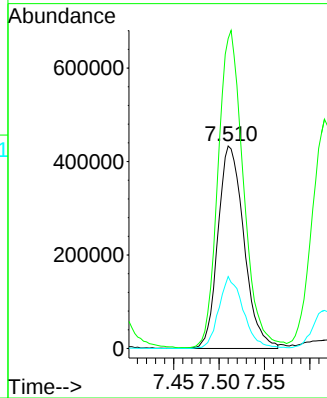
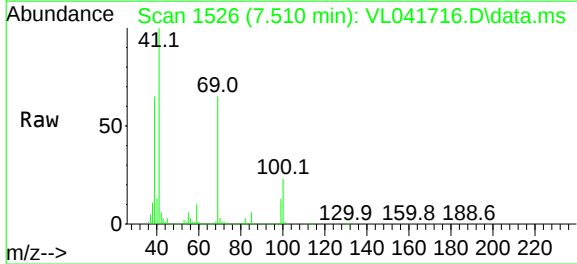
VSTDCCC010EC

Tgt Ion:	69	Resp:	861885
Ion	Ratio	Lower	Upper
69	100		
41	153.9	119.8	179.6
100	33.6	27.3	40.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024



#44

2,2,4-Trimethylpentane

Concen: 10.331 ppbv

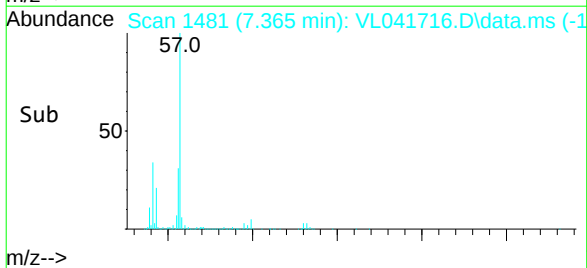
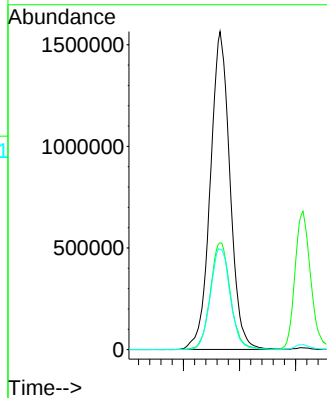
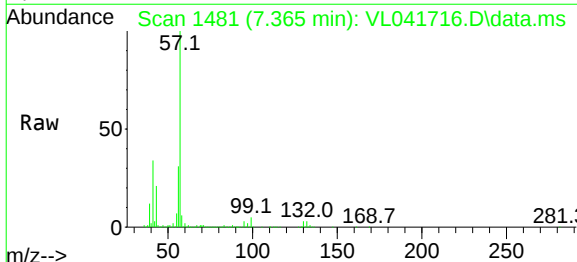
RT: 7.365 min Scan# 1481

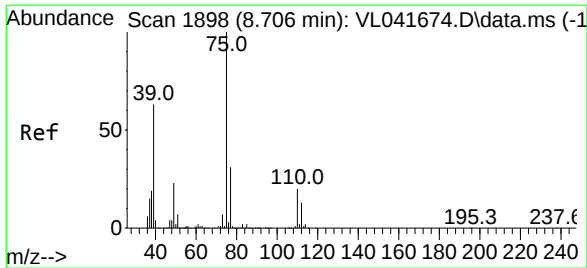
Delta R.T. 0.010 min

Lab File: VL041716.D

Acq: 21 Nov 2024 15:46

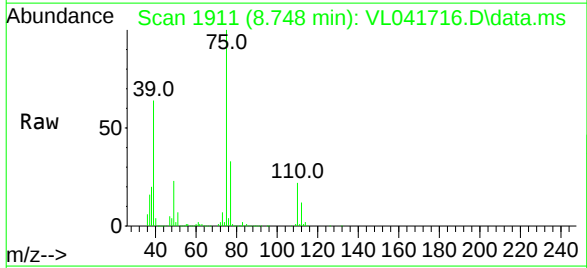
Tgt Ion:	57	Resp:	3803122
Ion	Ratio	Lower	Upper
57	100		
41	34.1	27.0	40.6
56	32.4	25.8	38.6





#45
t-1,3-Dichloropropene
Concen: 10.484 ppbv
RT: 8.748 min Scan# 1911
Delta R.T. 0.006 min
Lab File: VL041716.D
Acq: 21 Nov 2024 15:46

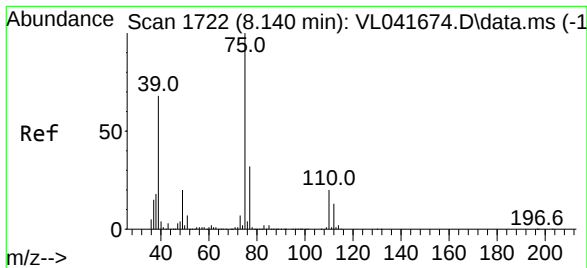
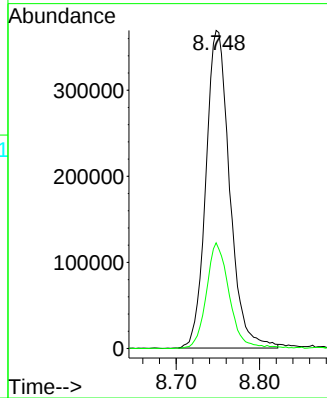
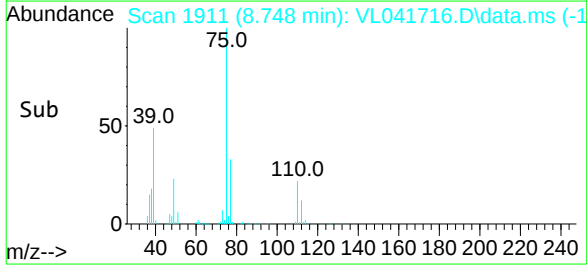
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC



Tgt Ion: 75 Resp: 730997
Ion Ratio Lower Upper
75 100
77 33.2 24.7 37.1

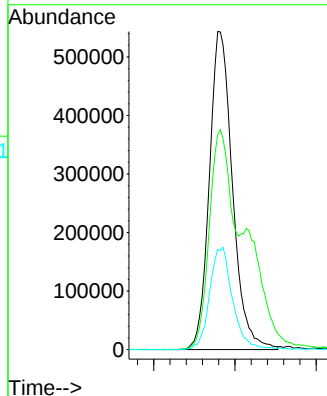
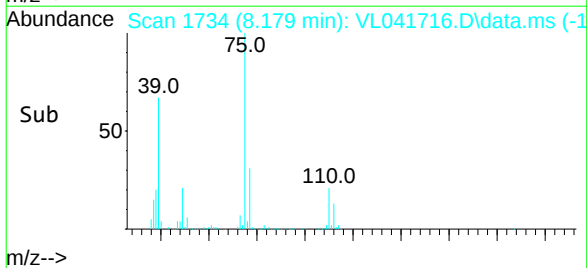
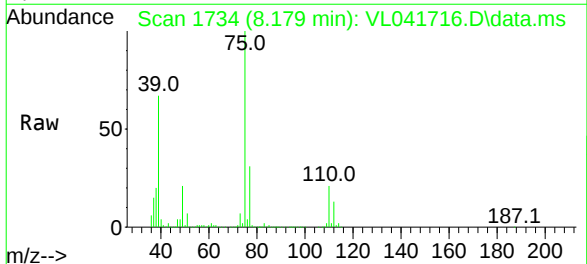
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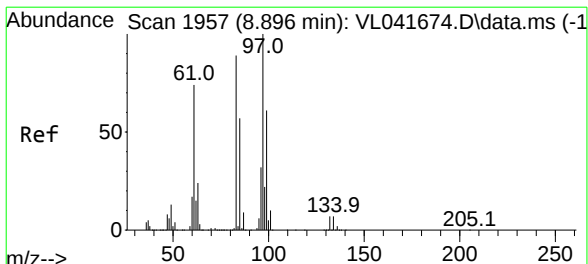
Reviewed By :Semsettin Yesilyurt 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024



#46
cis-1,3-Dichloropropene
Concen: 10.750 ppbv
RT: 8.179 min Scan# 1734
Delta R.T. 0.006 min
Lab File: VL041716.D
Acq: 21 Nov 2024 15:46

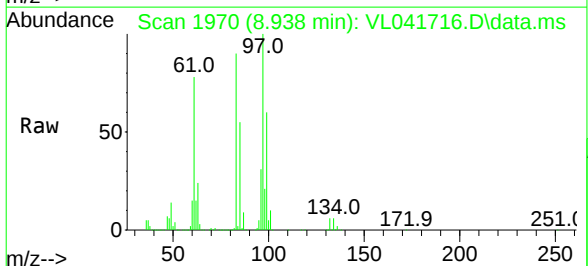
Tgt Ion: 75 Resp: 1076550
Ion Ratio Lower Upper
75 100
39 67.4 54.1 81.1
77 31.5 25.3 37.9





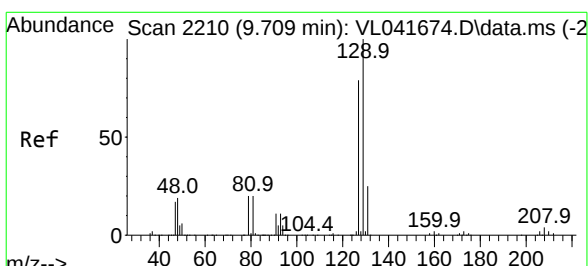
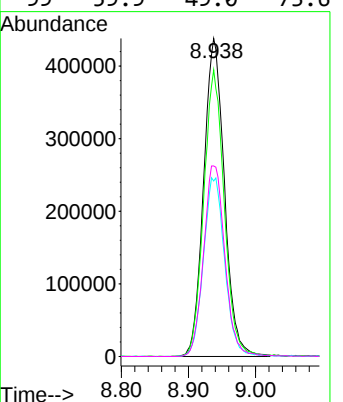
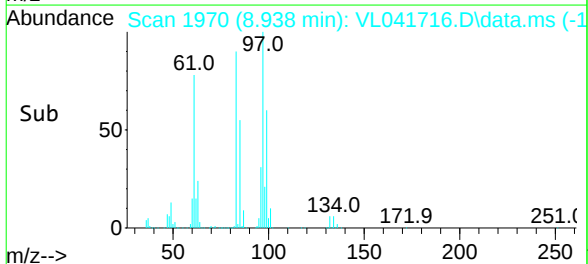
#47
 1,1,2-Trichloroethane
 Concen: 10.120 ppbv
 RT: 8.938 min Scan# 1957
 Delta R.T. 0.006 min
 Lab File: VL041716.D
 Acq: 21 Nov 2024 15:46

Instrument : MSVOA_L
 ClientSampleId : VSTDCCC010EC

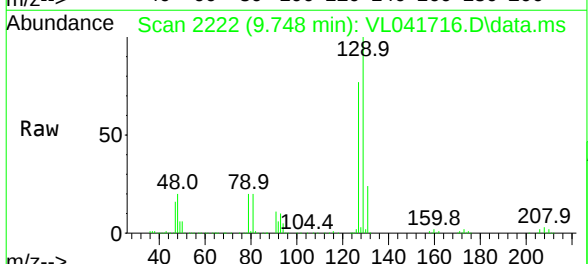


Tgt Ion	Ratio	Lower	Upper
97	100		
83	90.1	71.0	106.6
85	55.2	45.4	68.2
99	59.9	49.0	73.6

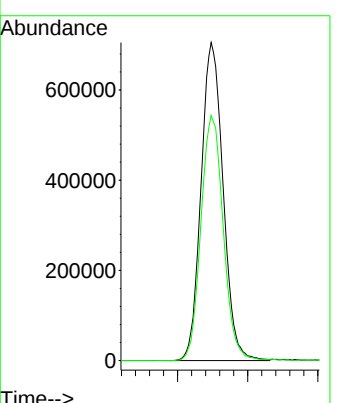
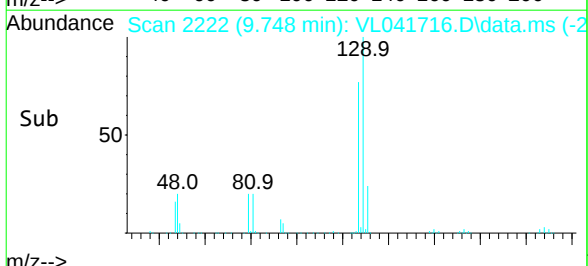
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 Reviewed By :Semsettin Yesilyurt 11/22/2024
 Supervised By :Mahesh Dadoda 11/22/2024

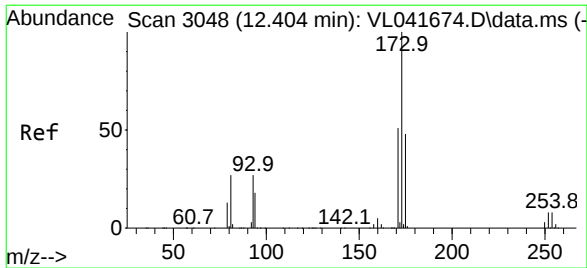


#48
 Dibromochloromethane
 Concen: 10.883 ppbv
 RT: 9.748 min Scan# 2222
 Delta R.T. 0.006 min
 Lab File: VL041716.D
 Acq: 21 Nov 2024 15:46



Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.3	39.1	117.2





#49

Bromoform

Concen: 11.157 ppbv

RT: 12.445 min Scan# 3048

Delta R.T. 0.006 min

Lab File: VL041716.D

Acq: 21 Nov 2024 15:46

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 173 Resp: 1348848

Ion Ratio Lower Upper

173 100

175 49.4 39.2 58.8

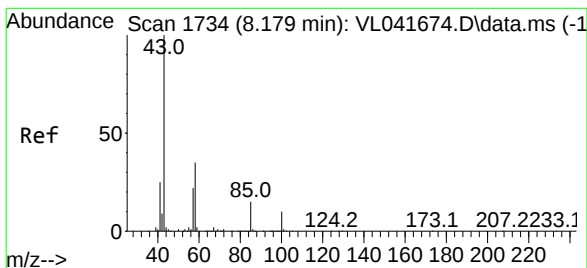
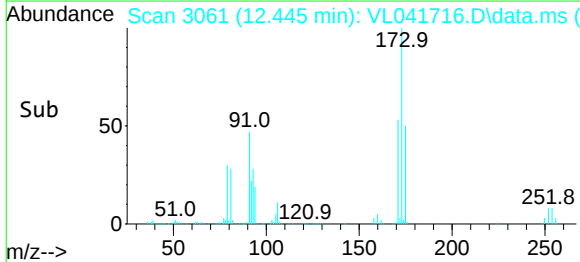
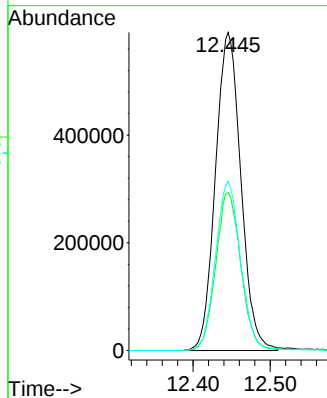
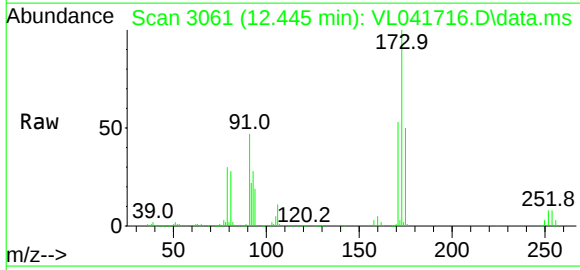
171 52.7 41.7 62.5

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Reviewed By :Semsettin Yesilyurt 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#50

4-Methyl-2-Pentanone

Concen: 11.096 ppbv

RT: 8.217 min Scan# 1746

Delta R.T. 0.006 min

Lab File: VL041716.D

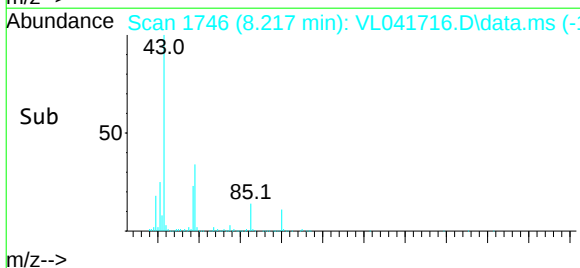
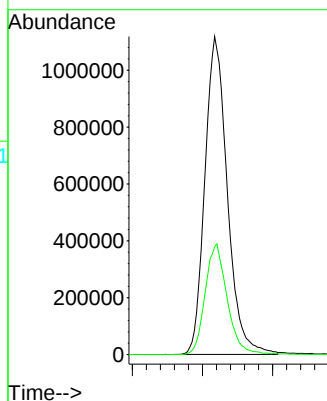
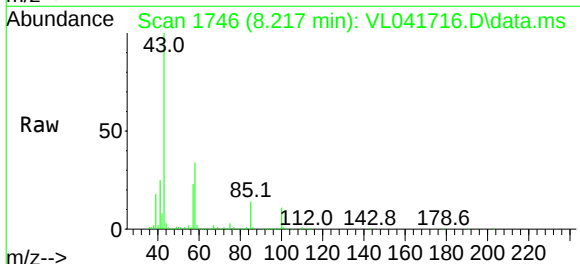
Acq: 21 Nov 2024 15:46

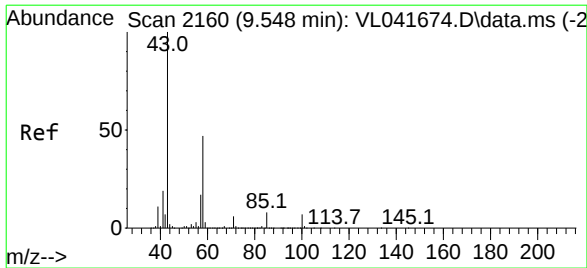
Tgt Ion: 43 Resp: 2487875

Ion Ratio Lower Upper

43 100

58 34.2 27.7 41.5





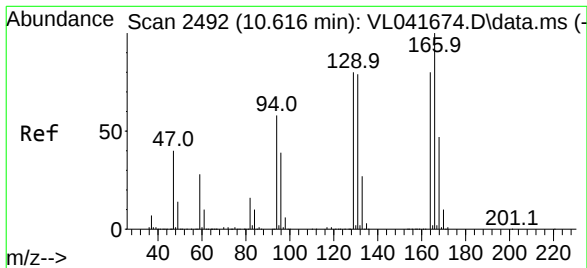
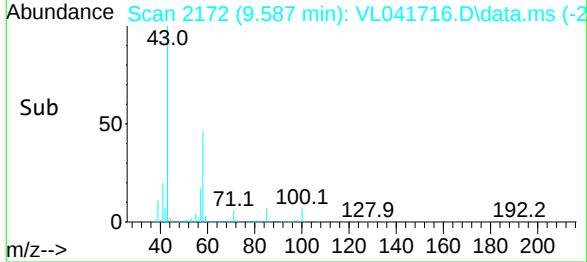
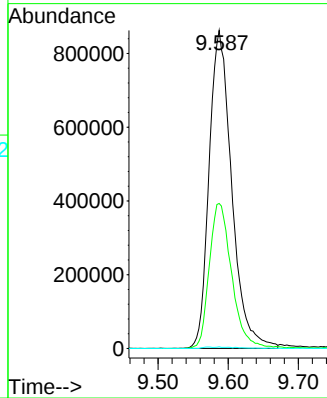
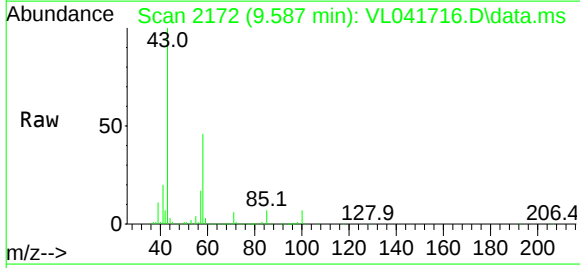
#51
2-Hexanone
Concen: 11.813 ppbv
RT: 9.587 min Scan# 2160
Delta R.T. 0.006 min
Lab File: VL041716.D
Acq: 21 Nov 2024 15:46

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 43 Resp: 1928715
Ion Ratio Lower Upper
43 100
58 45.6 37.0 55.6
98 0.7 0.6 0.8

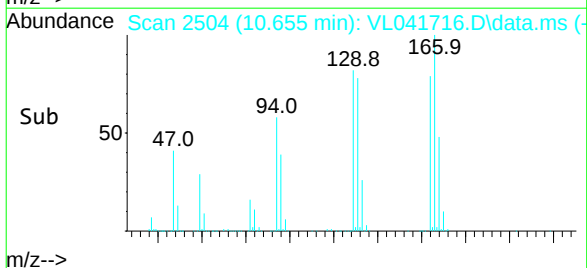
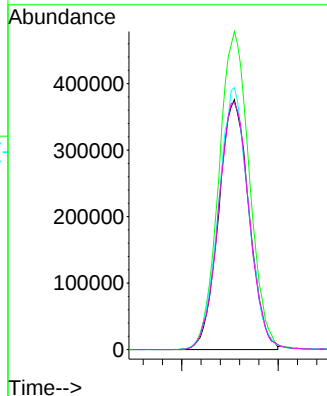
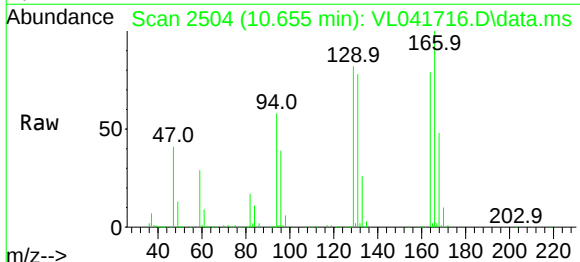
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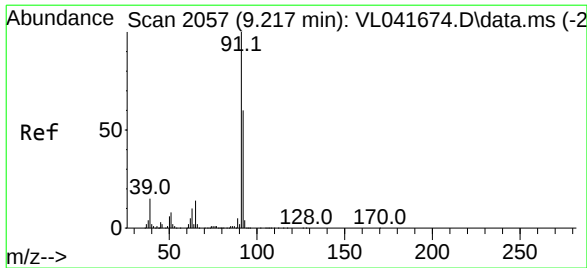
Reviewed By :Semsettin Yesilyurt 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024



#52
Tetrachloroethene
Concen: 11.112 ppbv
RT: 10.655 min Scan# 2504
Delta R.T. 0.006 min
Lab File: VL041716.D
Acq: 21 Nov 2024 15:46

Tgt Ion:164 Resp: 822968
Ion Ratio Lower Upper
164 100
166 127.3 100.2 150.4
129 104.7 79.7 119.5
131 98.6 79.0 118.4





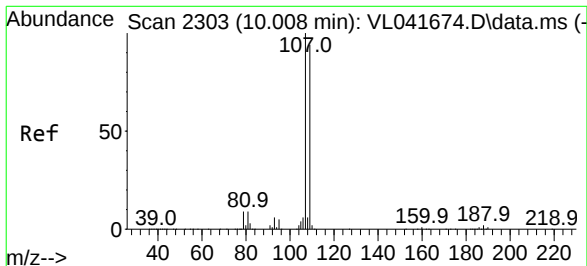
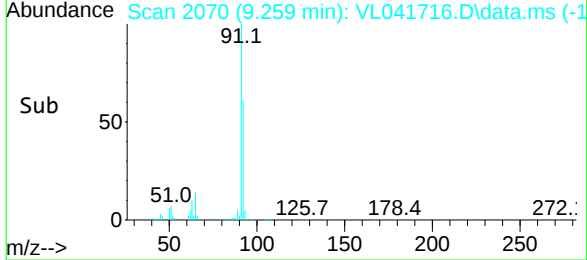
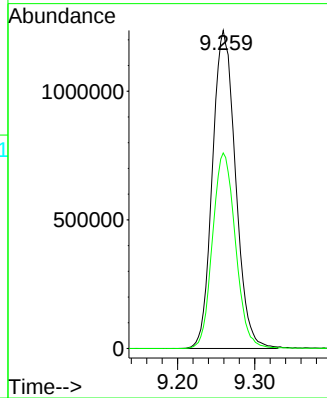
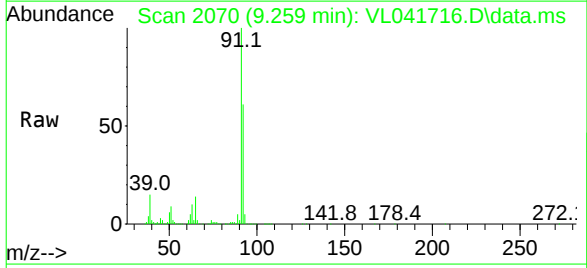
#53
Toluene
Concen: 11.269 ppbv
RT: 9.259 min Scan# 2057
Delta R.T. 0.006 min
Lab File: VL041716.D
Acq: 21 Nov 2024 15:46

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 91 Resp: 2575431
Ion Ratio Lower Upper
91 100
92 61.1 49.0 73.4

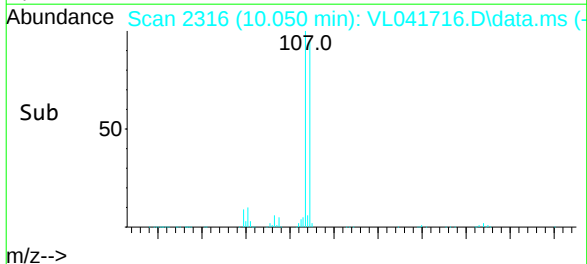
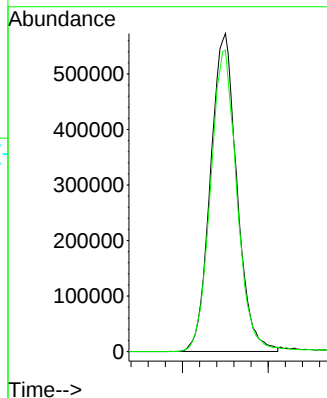
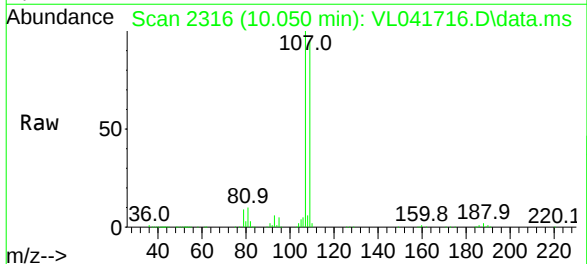
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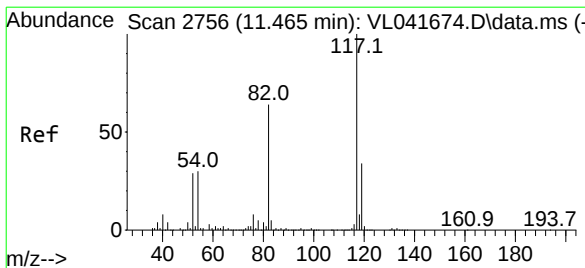
Reviewed By :Semsettin Yesilyurt 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024



#54
1,2-Dibromoethane
Concen: 11.296 ppbv
RT: 10.050 min Scan# 2316
Delta R.T. 0.010 min
Lab File: VL041716.D
Acq: 21 Nov 2024 15:46

Tgt Ion:107 Resp: 1226683
Ion Ratio Lower Upper
107 100
109 94.7 74.9 112.3





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.503 min Scan# 2756

Delta R.T. 0.006 min

Lab File: VL041716.D

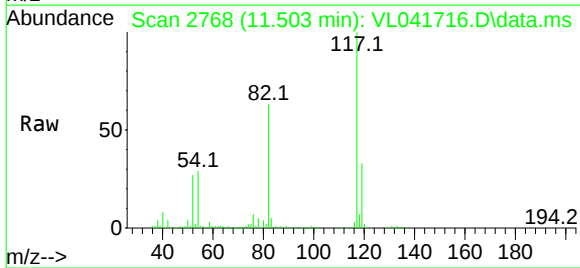
Acq: 21 Nov 2024 15:46

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC



Tgt Ion:117 Resp: 2794086

Ion Ratio Lower Upper

117 100

82 61.8 49.8 74.8

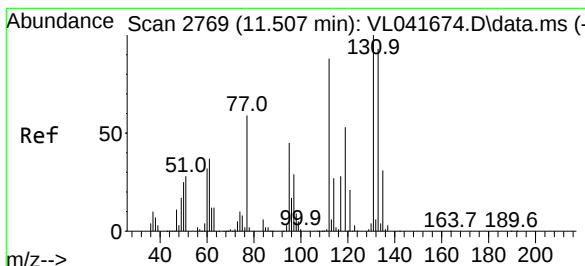
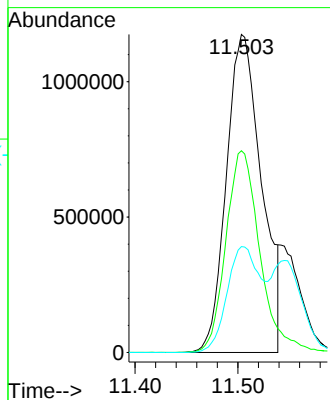
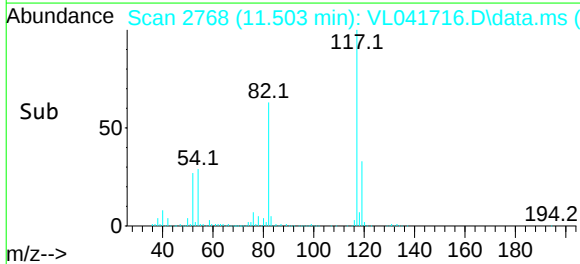
119 28.8 24.2 36.4

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Reviewed By :Semsettin Yesilyurt 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#56

1,1,1,2-Tetrachloroethane

Concen: 10.010 ppbv

RT: 11.545 min Scan# 2781

Delta R.T. 0.006 min

Lab File: VL041716.D

Acq: 21 Nov 2024 15:46

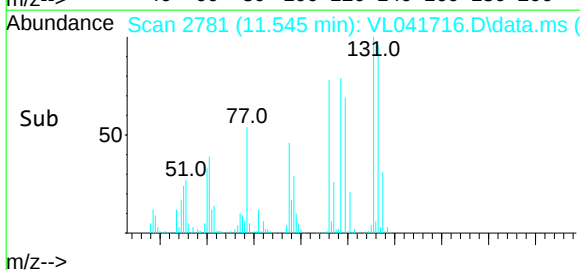
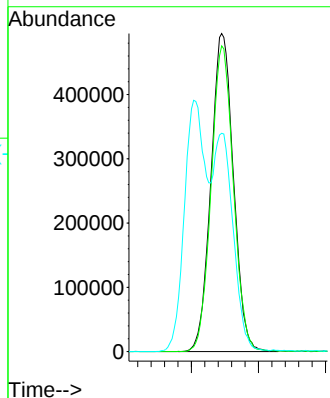
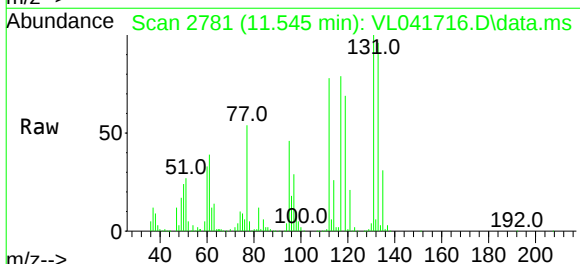
Tgt Ion:131 Resp: 1153543

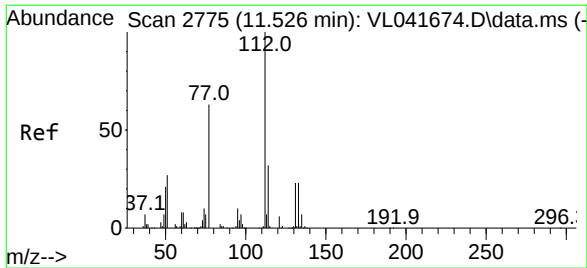
Ion Ratio Lower Upper

131 100

133 95.1 76.5 114.7

119 63.7 49.8 74.8





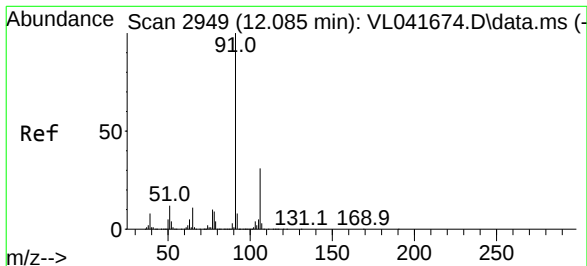
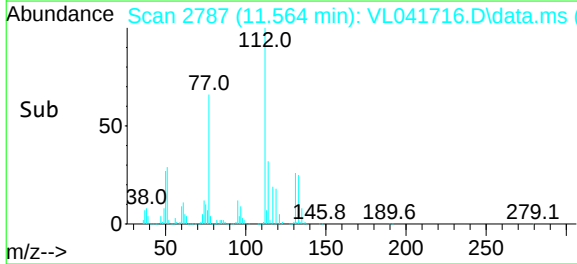
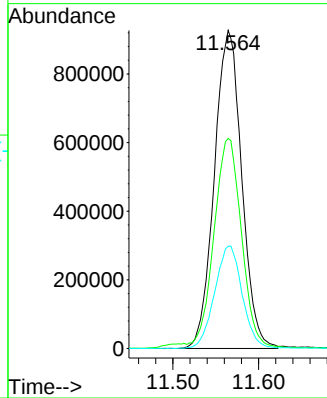
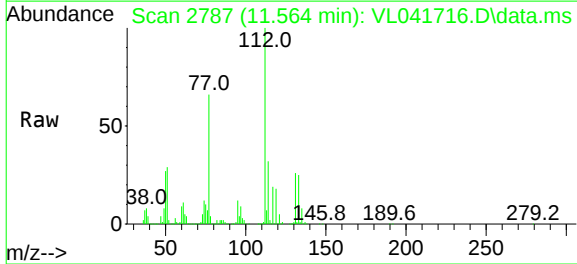
#57
Chlorobenzene
Concen: 9.952 ppbv
RT: 11.564 min Scan# 2775
Delta R.T. 0.006 min
Lab File: VL041716.D
Acq: 21 Nov 2024 15:46

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:112 Resp: 2056508
Ion Ratio Lower Upper
112 100
77 65.3 51.4 77.2
114 32.0 28.4 34.8

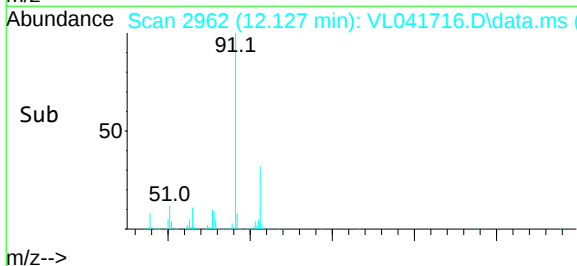
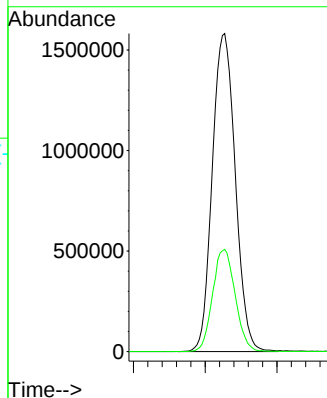
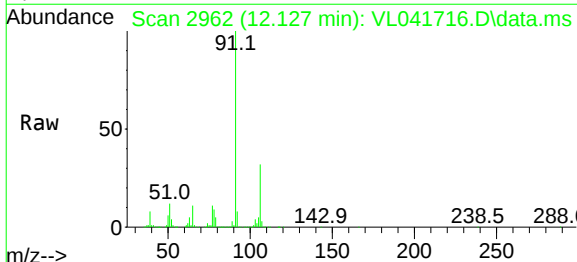
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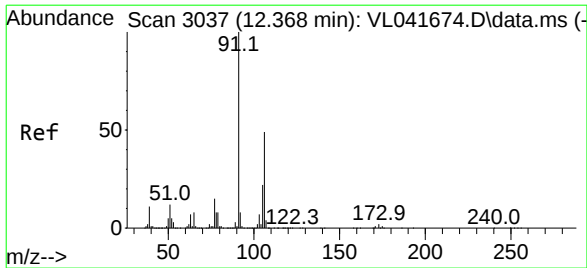
Reviewed By :Semsettin Yesilyurt 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024



#58
Ethyl Benzene
Concen: 11.512 ppbv
RT: 12.127 min Scan# 2962
Delta R.T. 0.006 min
Lab File: VL041716.D
Acq: 21 Nov 2024 15:46

Tgt Ion: 91 Resp: 3526421
Ion Ratio Lower Upper
91 100
106 32.1 24.9 37.3





#59

m/p-Xylene

Concen: 22.081 ppbv m

RT: 12.410 min Scan# 3037

Delta R.T. 0.006 min

Lab File: VL041716.D

Acq: 21 Nov 2024 15:46

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 91 Resp: 6056978

Ion Ratio Lower Upper

91 100

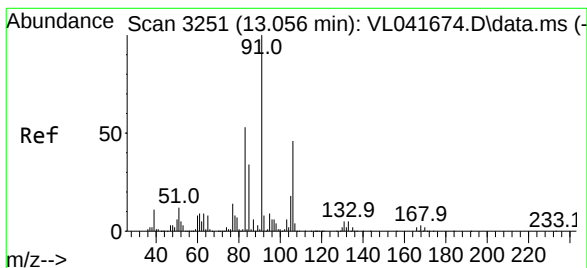
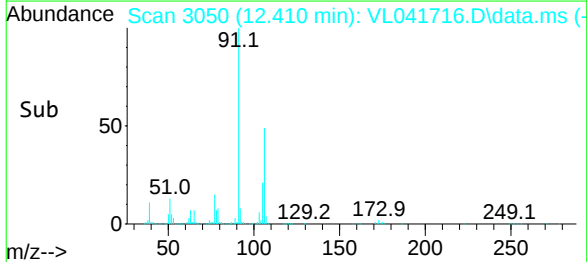
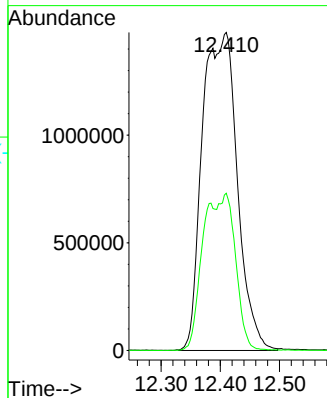
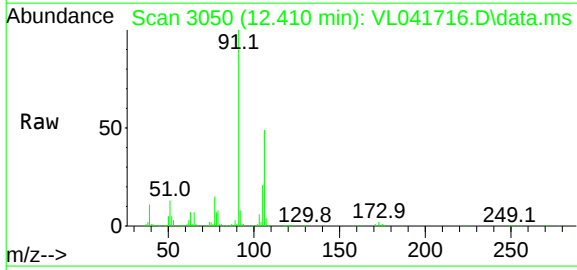
106 45.9 36.9 55.3

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#60

o-Xylene

Concen: 11.239 ppbv

RT: 13.095 min Scan# 3263

Delta R.T. 0.006 min

Lab File: VL041716.D

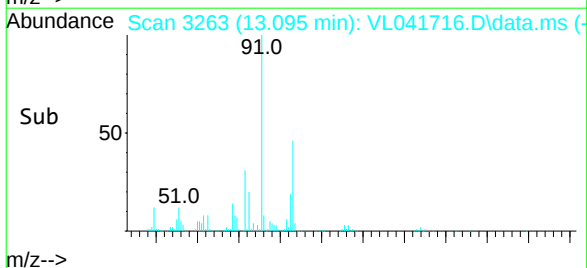
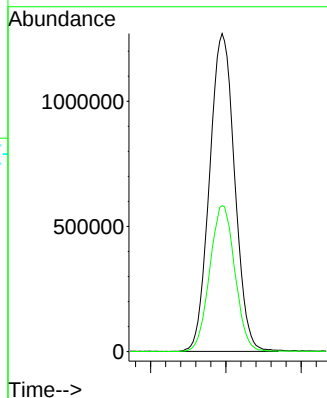
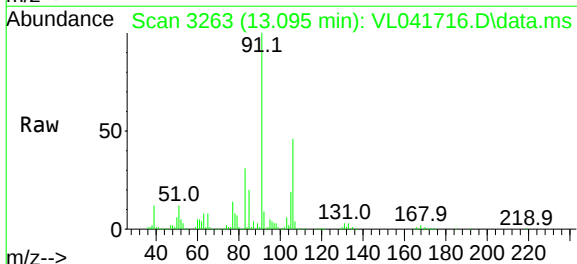
Acq: 21 Nov 2024 15:46

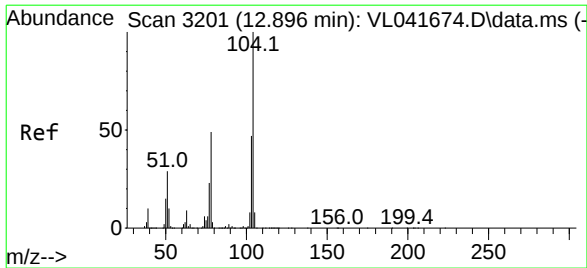
Tgt Ion: 91 Resp: 2939812

Ion Ratio Lower Upper

91 100

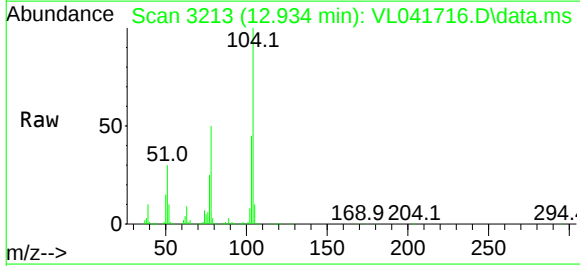
106 46.1 23.2 69.6





#61
Styrene
Concen: 12.879 ppbv
RT: 12.934 min Scan# 3201
Delta R.T. 0.006 min
Lab File: VL041716.D
Acq: 21 Nov 2024 15:46

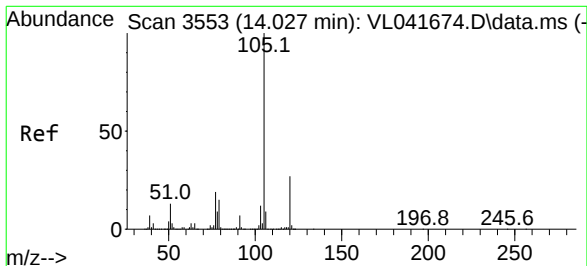
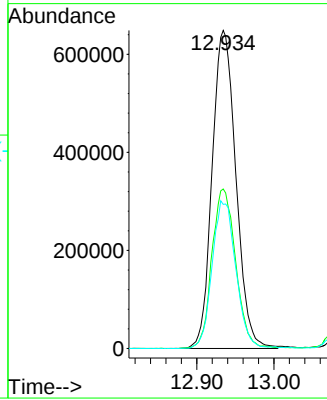
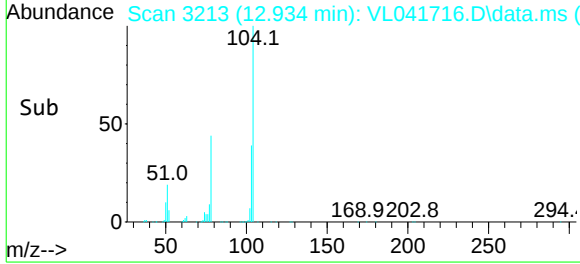
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC



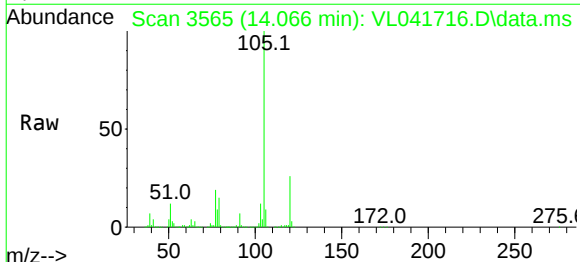
Tgt Ion:104 Resp: 1390368
Ion Ratio Lower Upper
104 100
78 50.3 39.8 59.8
103 46.5 37.4 56.0

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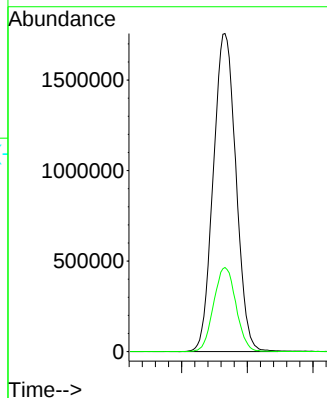
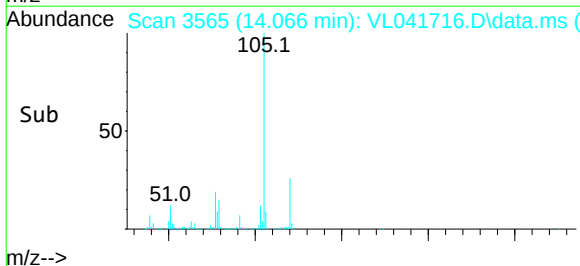
Reviewed By :Semsettin Yesilyurt 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

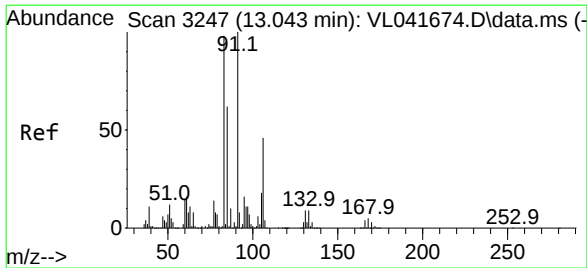


#62
Isopropylbenzene
Concen: 10.429 ppbv
RT: 14.066 min Scan# 3565
Delta R.T. 0.006 min
Lab File: VL041716.D
Acq: 21 Nov 2024 15:46



Tgt Ion:105 Resp: 4212885
Ion Ratio Lower Upper
105 100
120 26.2 21.1 31.7





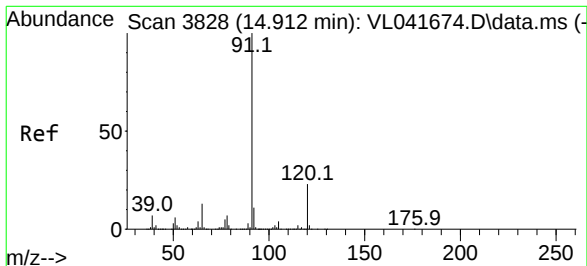
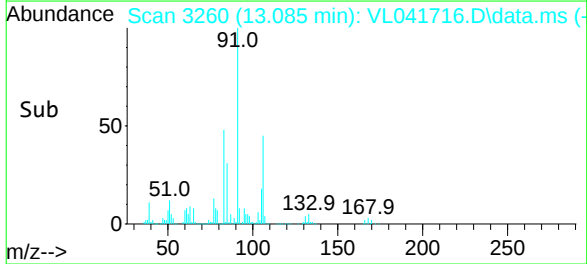
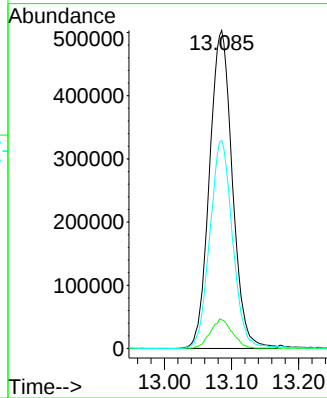
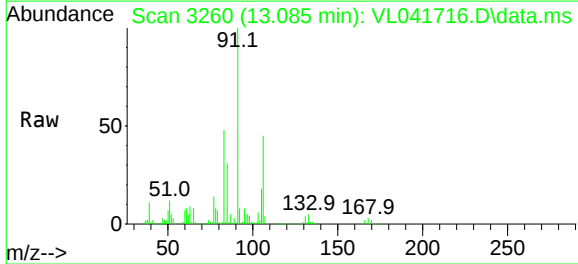
#63
1,1,2,2-Tetrachloroethane
Concen: 6.198 ppbv
RT: 13.085 min Scan# 3247
Delta R.T. 0.006 min
Lab File: VL041716.D
Acq: 21 Nov 2024 15:46

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 83 Resp: 1192554
Ion Ratio Lower Upper
83 100
131 9.0 4.8 14.3
85 65.2 32.6 98.0

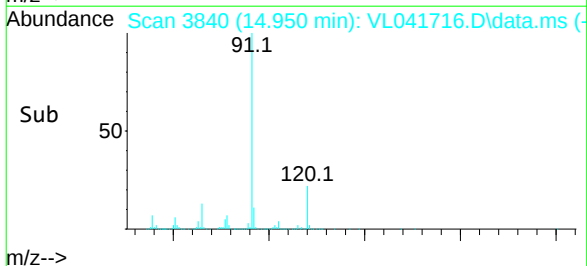
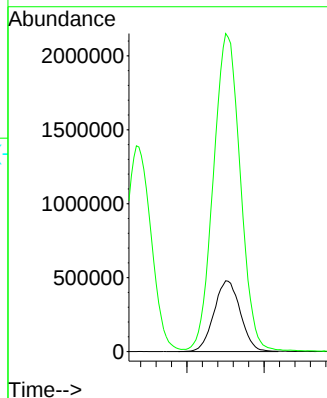
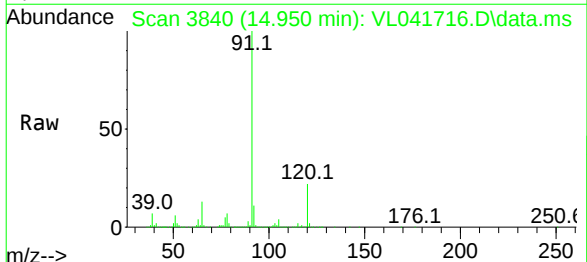
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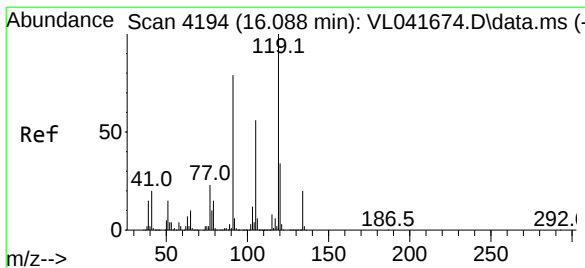
Reviewed By :Semsettin Yesilyurt 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024



#64
n-propylbenzene
Concen: 10.754 ppbv
RT: 14.950 min Scan# 3840
Delta R.T. 0.006 min
Lab File: VL041716.D
Acq: 21 Nov 2024 15:46

Tgt Ion:120 Resp: 1137229
Ion Ratio Lower Upper
120 100
91 459.8 362.4 543.6





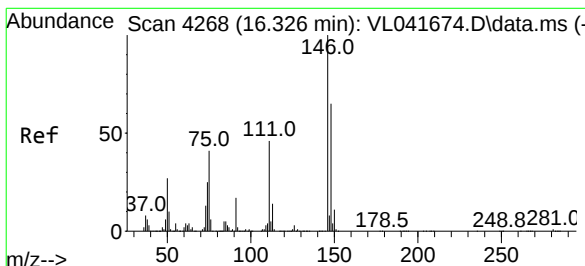
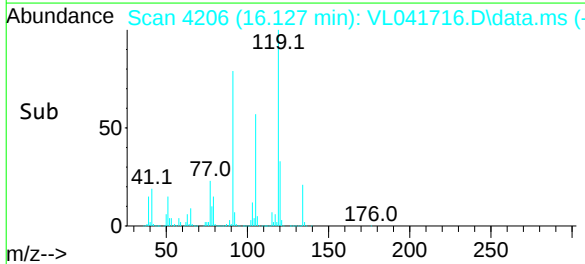
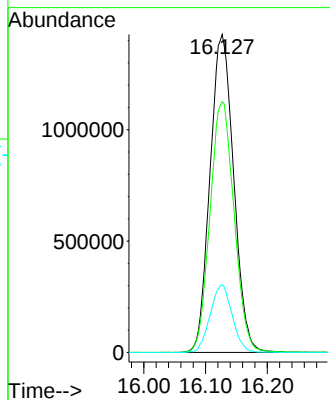
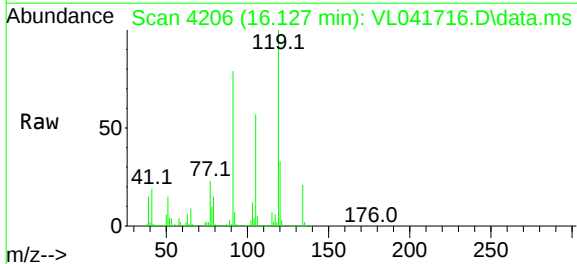
#65
tert-Butylbenzene
Concen: 10.473 ppbv
RT: 16.127 min Scan# 4206
Delta R.T. 0.010 min
Lab File: VL041716.D
Acq: 21 Nov 2024 15:46

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 119 Resp: 3802509
Ion Ratio Lower Upper
119 100
91 80.4 64.3 96.5
134 19.9 15.8 23.8

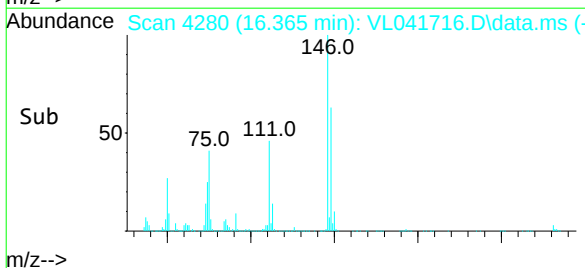
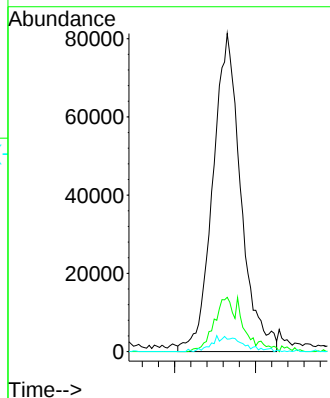
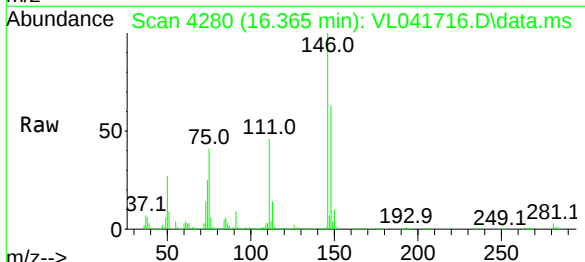
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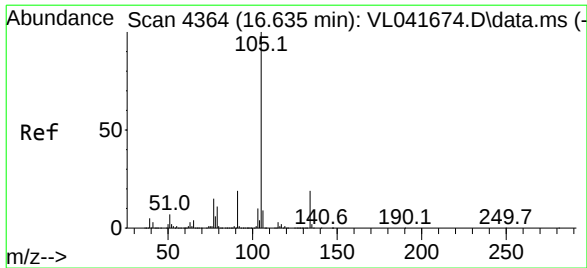
Reviewed By :Semsettin Yesilyurt 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024



#66
Benzyl Chloride
Concen: 7.020 ppbv m
RT: 16.365 min Scan# 4280
Delta R.T. 0.006 min
Lab File: VL041716.D
Acq: 21 Nov 2024 15:46

Tgt Ion: 91 Resp: 196066
Ion Ratio Lower Upper
91 100
126 18.1 13.8 20.6
128 5.4 4.3 6.5





#67

sec-Butylbenzene

Concen: 10.476 ppbv

RT: 16.674 min Scan# 43

Delta R.T. 0.006 min

Lab File: VL041716.D

Acq: 21 Nov 2024 15:46

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion:105 Resp: 5361203

Ion Ratio Lower Upper

105 100

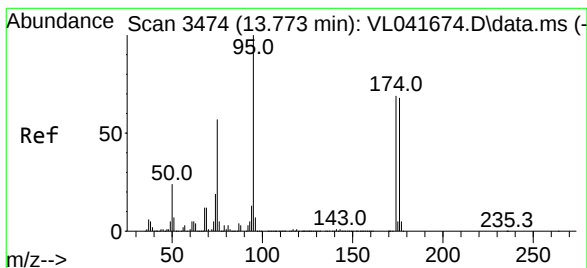
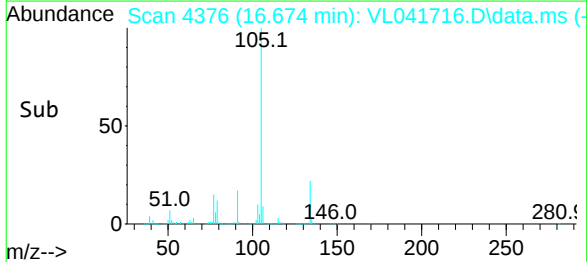
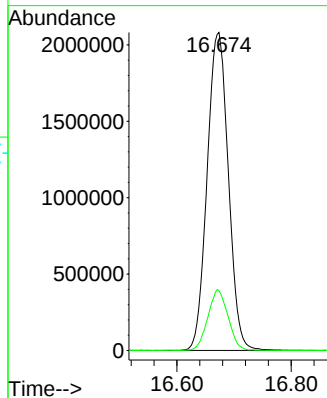
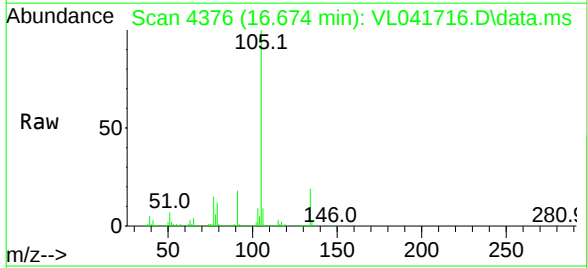
134 18.3 14.6 22.0

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#68

1-Bromo-4-Fluorobenzene

Concen: 9.932 ppbv

RT: 13.812 min Scan# 3486

Delta R.T. 0.006 min

Lab File: VL041716.D

Acq: 21 Nov 2024 15:46

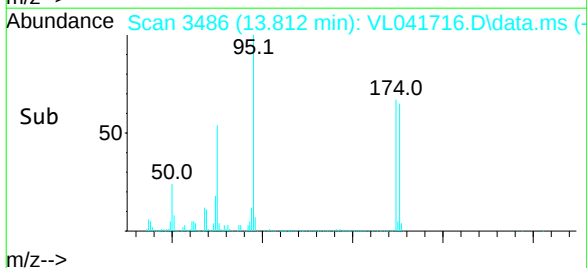
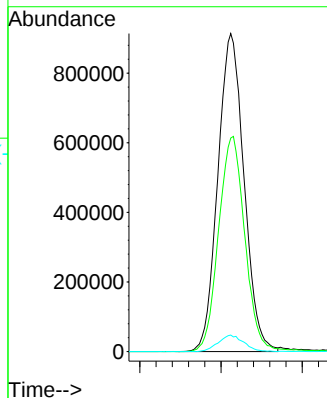
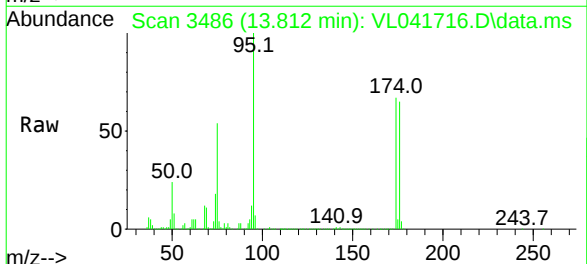
Tgt Ion: 95 Resp: 2044697

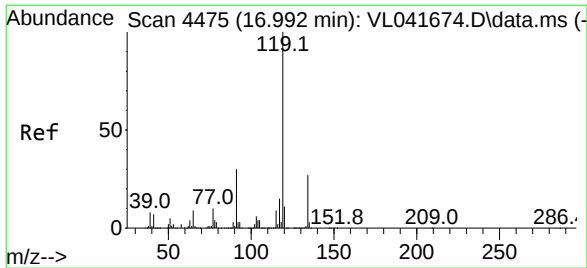
Ion Ratio Lower Upper

95 100

174 68.3 55.6 83.4

175 5.1 4.2 6.2





#69

p-Isopropyltoluene

Concen: 10.765 ppbv

RT: 17.031 min Scan# 44

Delta R.T. 0.003 min

Lab File: VL041716.D

Acq: 21 Nov 2024 15:46

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion:119 Resp: 4453669

Ion Ratio Lower Upper

119 100

134 25.8 20.8 31.2

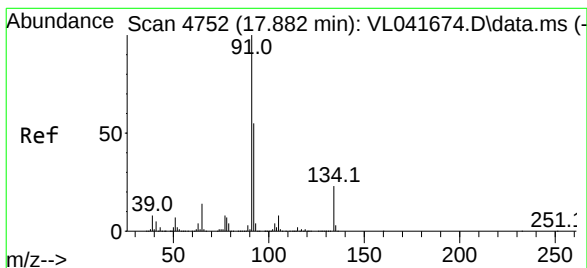
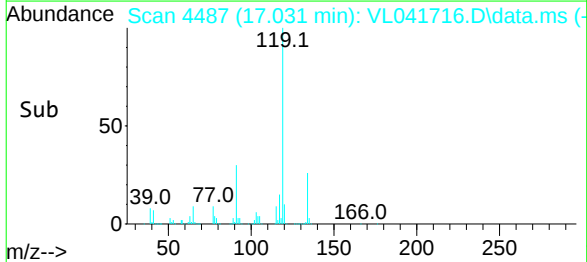
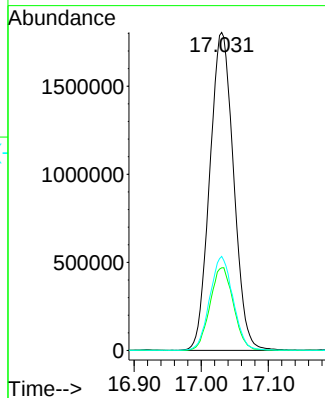
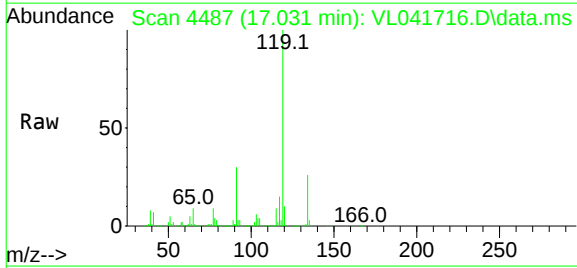
91 28.9 23.2 34.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#70

n-Butylbenzene

Concen: 10.855 ppbv

RT: 17.921 min Scan# 4764

Delta R.T. 0.003 min

Lab File: VL041716.D

Acq: 21 Nov 2024 15:46

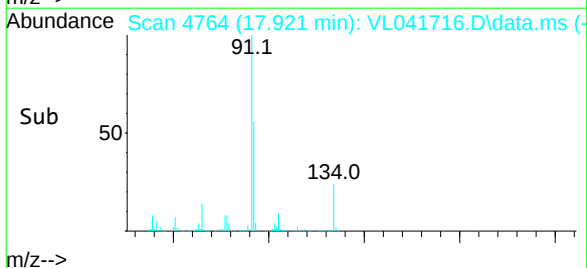
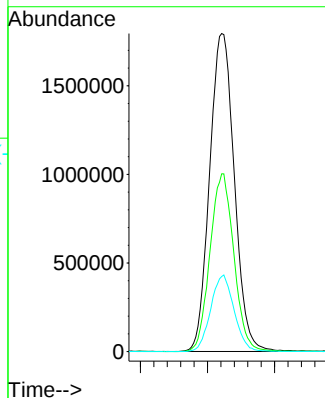
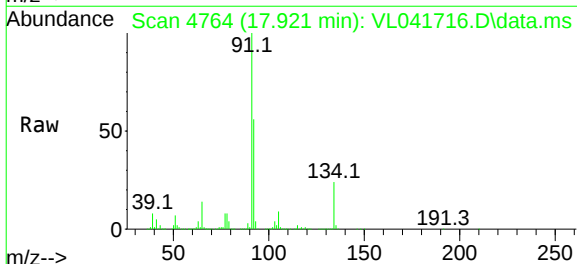
Tgt Ion: 91 Resp: 4594843

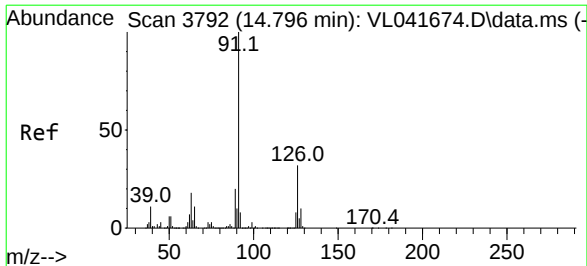
Ion Ratio Lower Upper

91 100

92 54.2 43.3 64.9

134 22.9 18.4 27.6





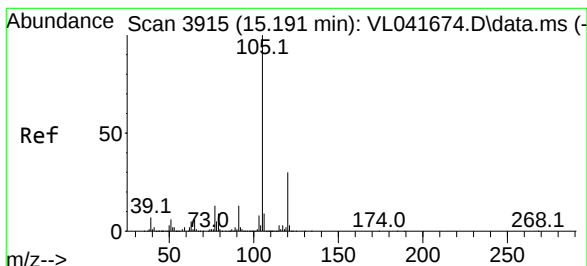
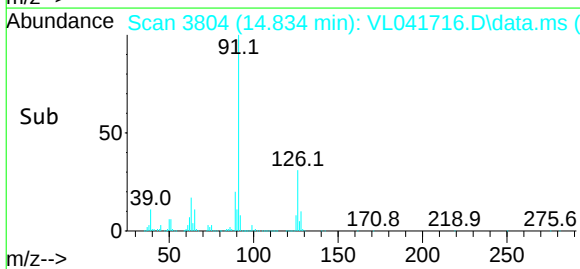
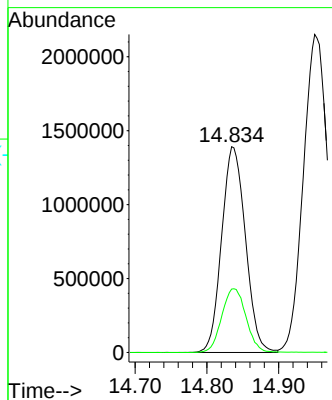
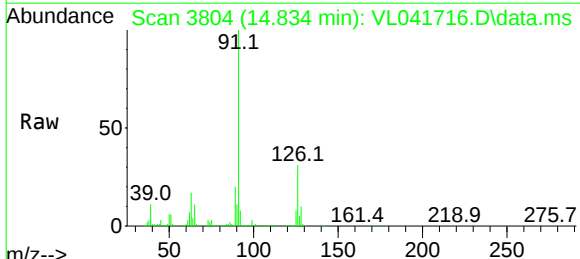
#71
2-Chlorotoluene
Concen: 10.977 ppbv
RT: 14.834 min Scan# 3812
Delta R.T. 0.003 min
Lab File: VL041716.D
Acq: 21 Nov 2024 15:46

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 91 Resp: 3205329
Ion Ratio Lower Upper
91 100
126 31.8 12.8 51.0

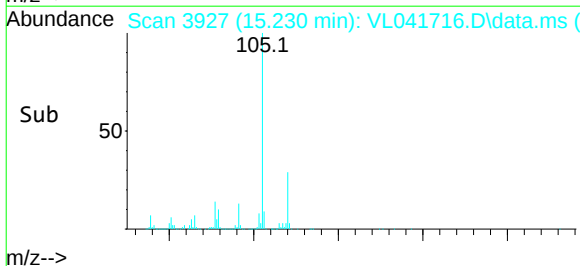
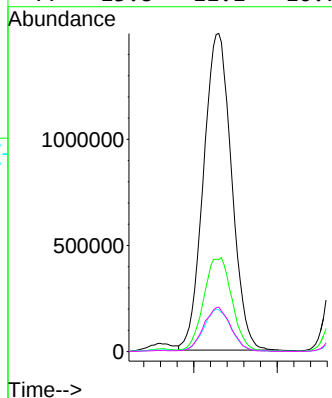
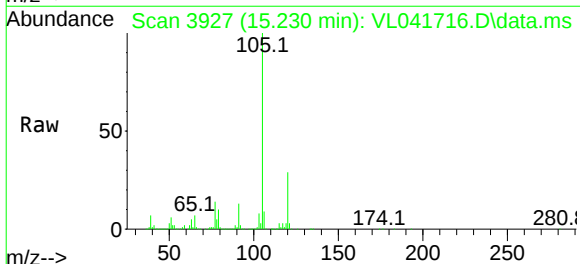
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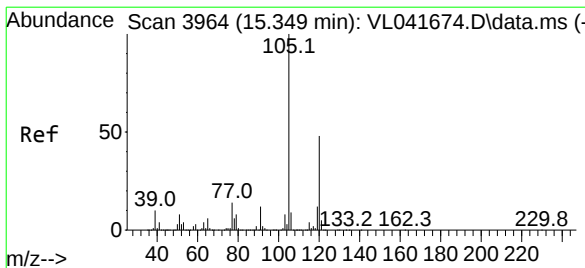
Reviewed By :Semsettin Yesilyurt 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024



#72
4-Ethyltoluene
Concen: 11.461 ppbv
RT: 15.230 min Scan# 3927
Delta R.T. 0.006 min
Lab File: VL041716.D
Acq: 21 Nov 2024 15:46

Tgt Ion:105 Resp: 3485346
Ion Ratio Lower Upper
105 100
120 31.1 25.0 37.4
91 13.9 10.6 15.8
77 13.8 11.1 16.7





#73

1,3,5-Trimethylbenzene

Concen: 11.222 ppbv

RT: 15.387 min Scan# 39

Delta R.T. 0.006 min

Lab File: VL041716.D

Acq: 21 Nov 2024 15:46

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion:105 Resp: 2994754

Ion Ratio Lower Upper

105 100

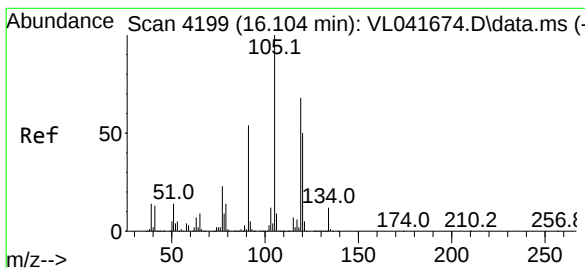
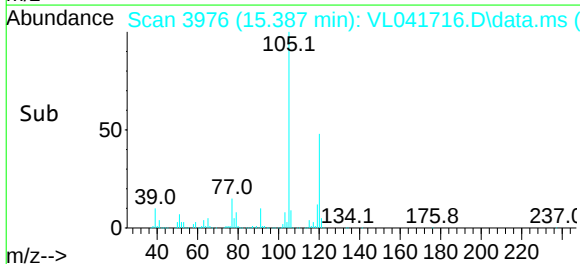
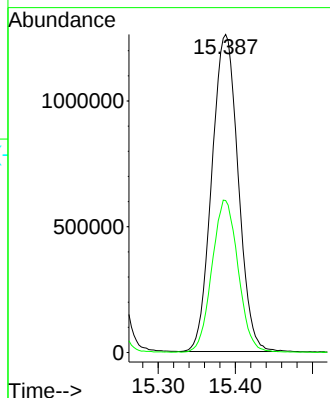
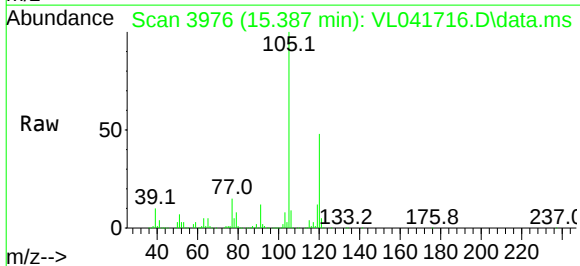
120 47.7 38.4 57.6

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#74

1,2,4-Trimethylbenzene

Concen: 10.773 ppbv

RT: 16.143 min Scan# 4211

Delta R.T. 0.003 min

Lab File: VL041716.D

Acq: 21 Nov 2024 15:46

Tgt Ion:105 Resp: 3339224

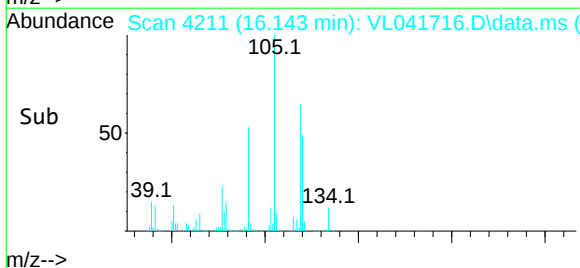
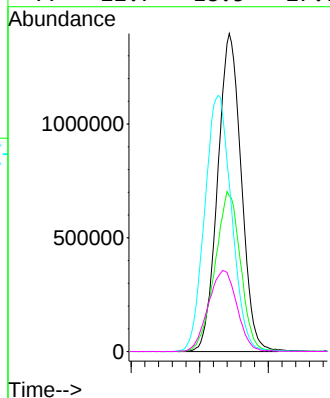
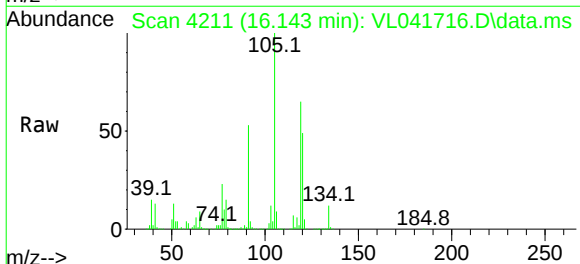
Ion Ratio Lower Upper

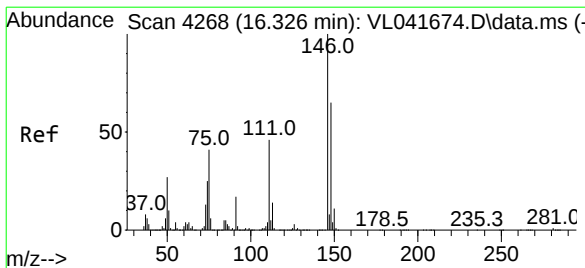
105 100

120 48.9 39.8 59.8

91 52.6 43.2 64.8

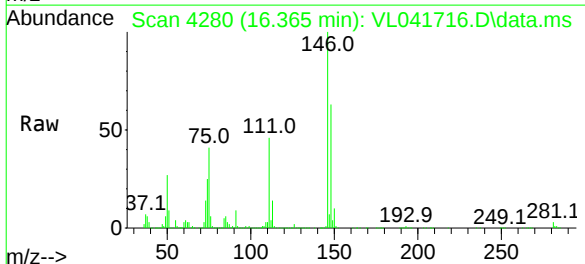
77 22.7 18.5 27.7





#75
1,3-Dichlorobenzene
Concen: 10.643 ppbv
RT: 16.365 min Scan# 4268
Delta R.T. 0.003 min
Lab File: VL041716.D
Acq: 21 Nov 2024 15:46

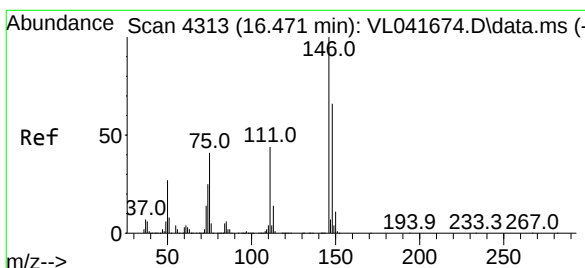
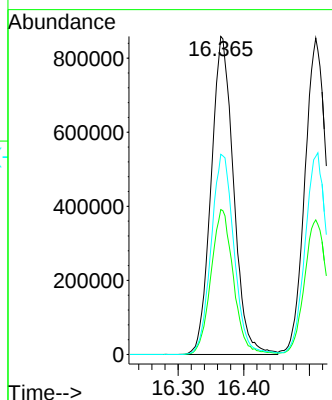
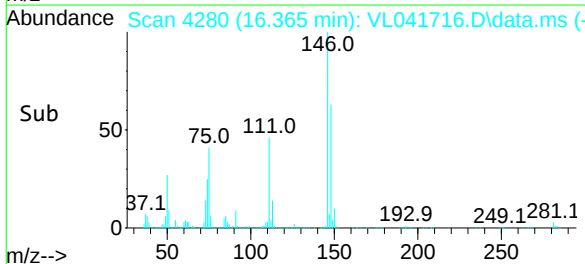
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC



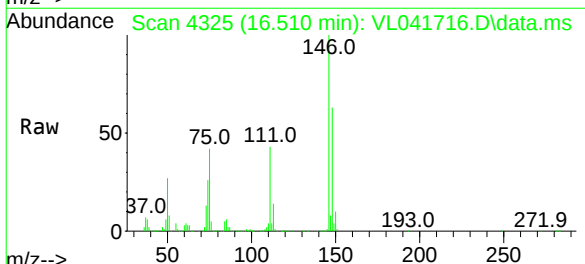
Tgt Ion:146 Resp: 2043094
Ion Ratio Lower Upper
146 100
111 45.5 22.8 68.3
148 64.2 32.4 97.0

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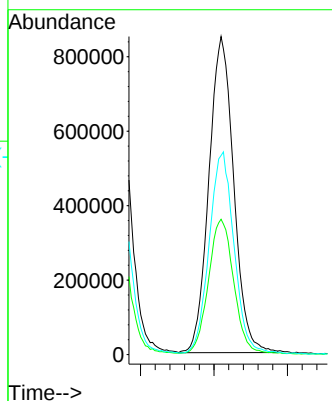
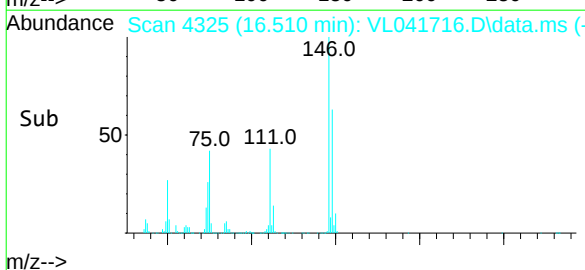
Reviewed By :Semsettin Yesilyurt 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

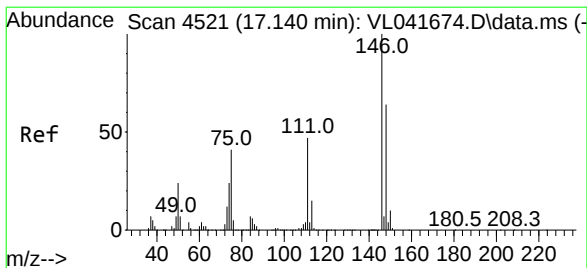


#76
1,4-Dichlorobenzene
Concen: 10.759 ppbv
RT: 16.510 min Scan# 4325
Delta R.T. 0.003 min
Lab File: VL041716.D
Acq: 21 Nov 2024 15:46



Tgt Ion:146 Resp: 1992823
Ion Ratio Lower Upper
146 100
111 44.4 22.1 66.3
148 64.8 33.3 99.8





#77

1,2-Dichlorobenzene

Concen: 10.558 ppbv

RT: 17.178 min Scan# 45

Delta R.T. 0.003 min

Lab File: VL041716.D

Acq: 21 Nov 2024 15:46

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion:146 Resp: 2007849

Ion Ratio Lower Upper

146 100

111 46.5 23.4 70.3

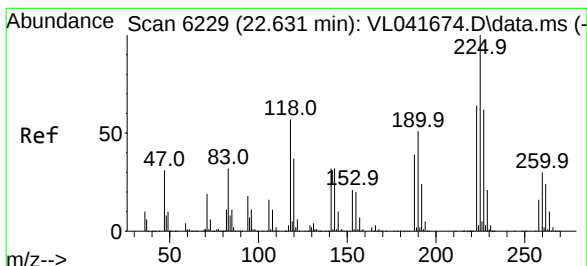
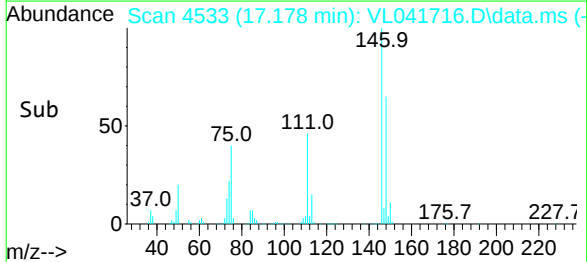
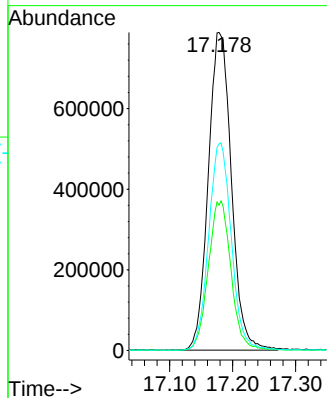
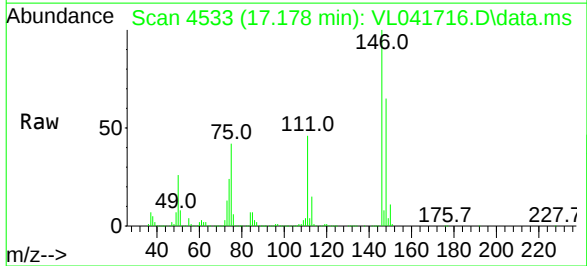
148 64.4 32.1 96.5

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#78

Hexachloro-1,3-Butadiene

Concen: 9.288 ppbv

RT: 22.673 min Scan# 6242

Delta R.T. 0.010 min

Lab File: VL041716.D

Acq: 21 Nov 2024 15:46

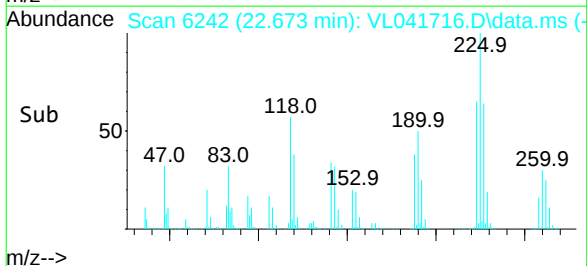
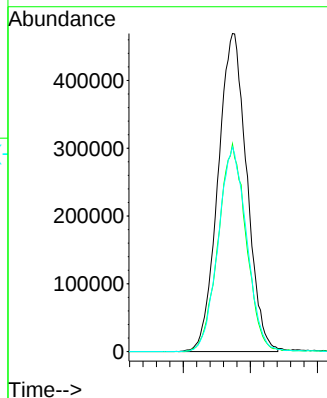
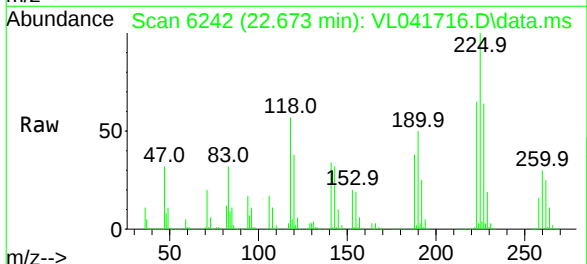
Tgt Ion:225 Resp: 1396945

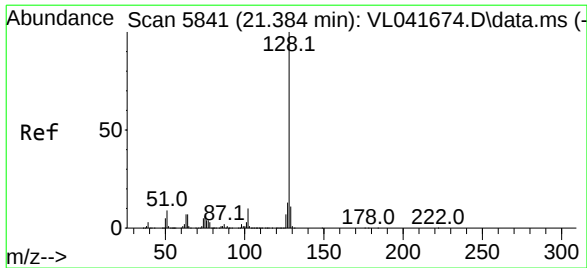
Ion Ratio Lower Upper

225 100

223 63.6 51.1 76.7

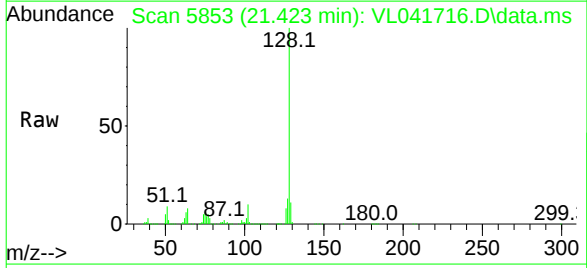
227 64.1 51.3 76.9





#79
Naphthalene
Concen: 14.775 ppbv
RT: 21.423 min Scan# 5841
Delta R.T. 0.003 min
Lab File: VL041716.D
Acq: 21 Nov 2024 15:46

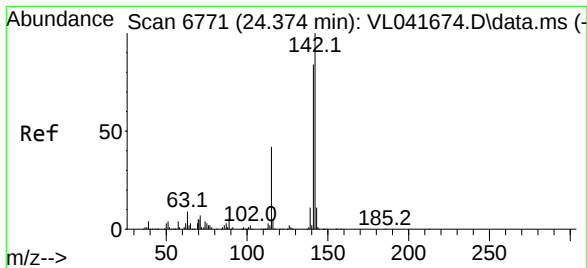
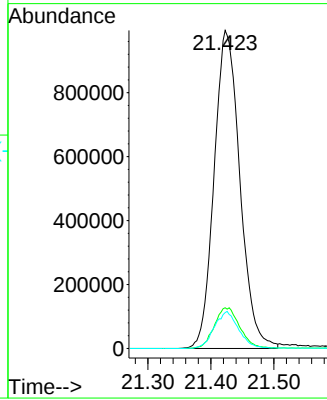
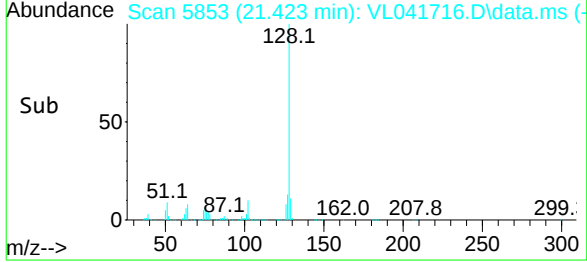
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC



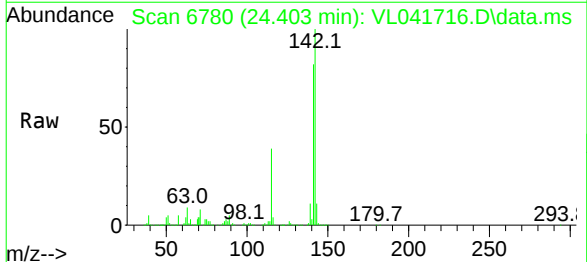
Tgt Ion:128 Resp: 2826909
Ion Ratio Lower Upper
128 100
127 12.8 10.5 15.7
129 11.3 8.7 13.1

Manual Integrations
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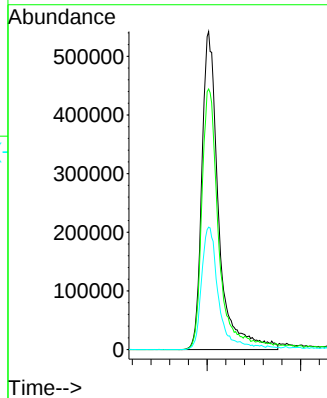
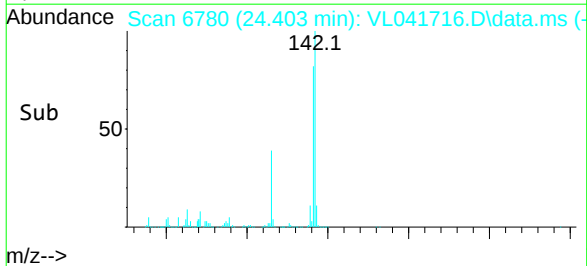
Reviewed By :Semsettin Yesilyurt 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

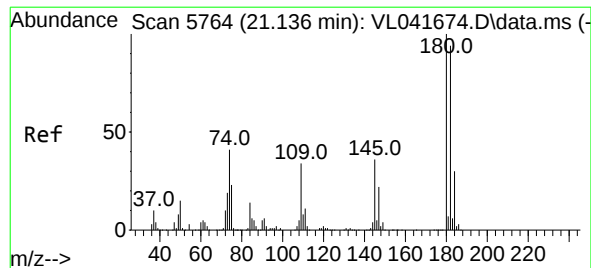


#80
Naphthalene,2-methyl-
Concen: 32.345 ppbv
RT: 24.403 min Scan# 6780
Delta R.T. 0.003 min
Lab File: VL041716.D
Acq: 21 Nov 2024 15:46



Tgt Ion:142 Resp: 1349060
Ion Ratio Lower Upper
142 100
141 85.7 68.1 102.1
115 40.0 33.1 49.7





#81

1,2,4-Trichlorobenzene

Concen: 12.175 ppbv

RT: 21.178 min Scan# 57

Delta R.T. 0.003 min

Lab File: VL041716.D

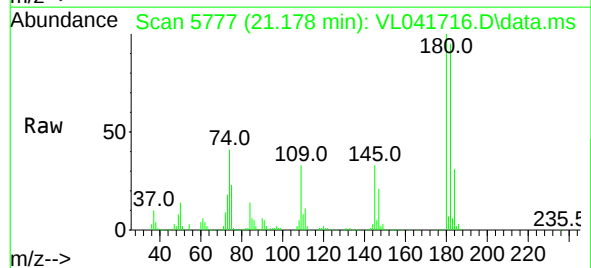
Acq: 21 Nov 2024 15:46

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC



Tgt Ion:180 Resp: 1464975

Ion Ratio Lower Upper

180 100

182 97.2 78.2 117.2

184 31.0 25.0 37.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024

