

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL012524\
 Data File : VL041032.D
 Acq On : 25 Jan 2024 16:34
 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 01/26/2024
 Supervised By :Mahesh Dadoda 01/26/2024

Quant Time: Jan 26 00:29:18 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL012324AIR.M

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

QLast Update : Fri Jan 26 00:23:09 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.182	49	1071961	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.642	114	2590566	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.455	117	2530107m	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.764 95 1960143 10.257 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 102.600%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.719	85	2279795	9.629	ppbv	99
3) Chlorodifluoromethane	2.661	51	1729111	9.590	ppbv	99
4) Chloromethane	2.803	50	642363	9.505	ppbv	97
5) Vinyl Chloride	2.909	62	670649	10.122	ppbv	98
6) Bromomethane	3.108	94	200369	6.945	ppbv	95
7) Chloroethane	3.186	64	231582	9.707	ppbv	98
8) Dichlorotetrafluoroethane	2.845	85	1684330	9.523	ppbv	99
9) Propene	2.681	41	580621	9.818	ppbv	94
10) Heptane	7.568	43	1436395	9.869	ppbv	99
11) Trichlorofluoromethane	3.549	101	1821709	9.549	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.054	101	1271383	9.195	ppbv	100
13) Ethanol	3.227	45	103285	7.328	ppbv	96
14) Bromoethene	3.356	108	537604	10.127	ppbv	99
15) Acetone	3.456	43	1275313	9.303	ppbv	97
16) 1,3-Butadiene	2.973	39	658384	10.040	ppbv	100
17) tert-Butyl alcohol	3.867	59	1078269	9.590	ppbv	100
18) 1,1-Dichloroethene	3.867	96	564490	9.536	ppbv	95
19) Isopropyl Alcohol	3.565	45	735126	9.264	ppbv	100
20) Methylene Chloride	3.922	84	461509	8.749	ppbv	93
21) Allyl Chloride	3.983	41	740625	8.892	ppbv	99
22) trans-1,2-Dichloroethene	4.433	96	564622	9.263	ppbv	98
23) Vinyl Acetate	4.616	43	1300628	9.204	ppbv	98
24) 1,1-Dichloroethane	4.552	63	1159062	9.246	ppbv	100
25) Ethyl Acetate	5.192	43	2441791	9.824	ppbv	99
26) Hexane	5.202	57	1047553	9.887	ppbv	98
27) Carbon Disulfide	4.112	76	1400806	10.160	ppbv	99
28) Methyl tert-Butyl Ether	4.575	73	778084	8.849	ppbv	98
29) Chloroform	5.266	83	1832365	9.751	ppbv	99
30) Cyclohexane	6.591	84	862475	9.716	ppbv	97
31) cis-1,2-Dichloroethene	5.066	61	1074571	10.806	ppbv	96
32) 1,1,1-Trichloroethane	5.992	97	1800286	10.024	ppbv	99
34) 2-Butanone	4.774	43	1299588	10.530	ppbv	98
35) Carbon Tetrachloride	6.484	117	1896304	10.977	ppbv	98
36) Benzene	6.362	78	2205773	10.310	ppbv	99
37) 1,2-Dichloroethane	5.793	62	1364947	10.454	ppbv	99
38) Trichloroethene	7.279	130	852958	9.944	ppbv	97
39) 1,2-Dichloropropane	7.063	63	864683	10.259	ppbv	95
40) 1,4-Dioxane	7.272	88	348620	9.959	ppbv	87
41) Tetrahydrofuran	5.546	42	881108	10.515	ppbv	100
42) Bromodichloromethane	7.237	83	2020951	10.818	ppbv	99
43) Methyl Methacrylate	7.465	69	915938	11.094	ppbv	98
44) 2,2,4-Trimethylpentane	7.314	57	3759501	10.443	ppbv	98
45) t-1,3-Dichloropropene	8.700	75	408693	7.245	ppbv	99

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL012324AIR.M

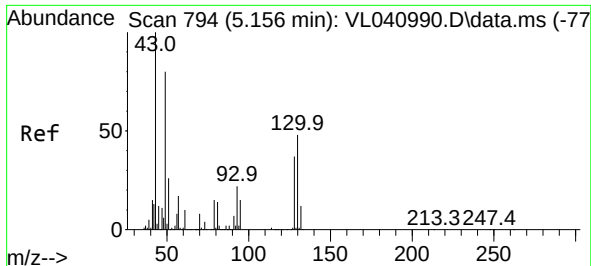
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Fri Jan 26 00:23:09 2024

Response via : Initial Calibration

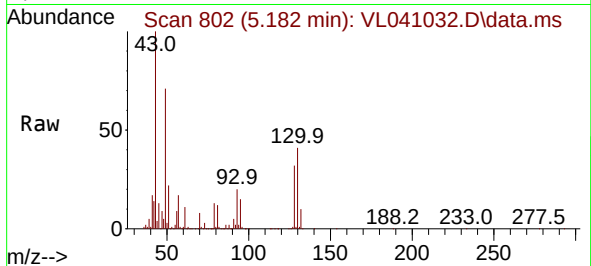
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.134	75	546563	7.769	ppbv	96
47) 1,1,2-Trichloroethane	8.886	97	947809	10.433	ppbv	98
48) Dibromochloromethane	9.697	129	1669806	10.872	ppbv	99
49) Bromoform	12.394	173	1408901	11.694	ppbv	99
50) 4-Methyl-2-Pentanone	8.169	43	2431896	11.189	ppbv	98
51) 2-Hexanone	9.539	43	1720273	10.980	ppbv #	99
52) Tetrachloroethene	10.603	164	751576	10.578	ppbv	99
53) Toluene	9.208	91	2544337	10.856	ppbv	99
54) 1,2-Dibromoethane	9.999	107	1237934	10.062	ppbv	97
56) 1,1,1,2-Tetrachloroethane	11.497	131	1239220	10.208	ppbv	98
57) Chlorobenzene	11.516	112	1970970	9.684	ppbv	99
58) Ethyl Benzene	12.076	91	3499202	10.299	ppbv	98
59) m/p-Xylene	12.362	91	6032322m	20.364	ppbv	
60) o-Xylene	13.044	91	2924665	10.290	ppbv	99
61) Styrene	12.886	104	1427263	10.936	ppbv	99
62) Isopropylbenzene	14.018	105	4236644	10.080	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.037	83	2175250	9.848	ppbv	100
64) n-propylbenzene	14.905	120	1077866	10.150	ppbv	99
65) tert-Butylbenzene	16.079	119	3695652	10.064	ppbv	98
66) Benzyl Chloride	16.317	91	137215m	5.702	ppbv	
67) sec-Butylbenzene	16.622	105	5292691	9.898	ppbv	100
69) p-Isopropyltoluene	16.982	119	4173629	10.076	ppbv	99
70) n-Butylbenzene	17.873	91	4536735	10.136	ppbv	99
71) 2-Chlorotoluene	14.786	91	3269756	10.082	ppbv	99
72) 4-Ethyltoluene	15.182	105	3272083	10.308	ppbv	98
73) 1,3,5-Trimethylbenzene	15.339	105	2854566	10.133	ppbv	100
74) 1,2,4-Trimethylbenzene	16.092	105	3167297	9.918	ppbv	97
75) 1,3-Dichlorobenzene	16.320	146	1783881	9.815	ppbv	99
76) 1,4-Dichlorobenzene	16.458	146	1712445	9.548	ppbv	100
77) 1,2-Dichlorobenzene	17.127	146	1729776	9.575	ppbv	98
78) Hexachloro-1,3-Butadiene	22.616	225	962333	8.261	ppbv	100
79) Naphthalene	21.371	128	2108737	11.575	ppbv	98
80) Naphthalene,2-methyl-	24.362	142	371687	11.617	ppbv	96
81) 1,2,4-Trichlorobenzene	21.124	180	1056255	9.937	ppbv	98

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



#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.182 min Scan# 80
Delta R.T. 0.003 min
Lab File: VL041032.D
Acq: 25 Jan 2024 16:34

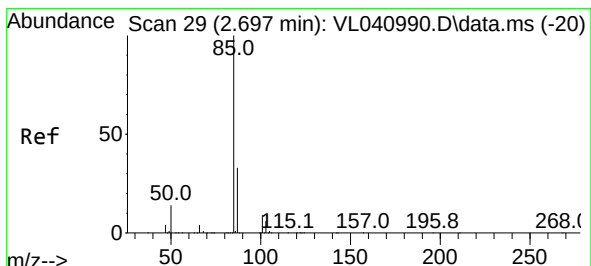
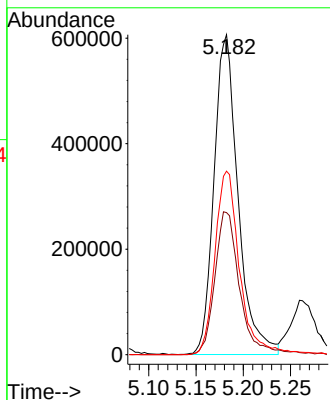
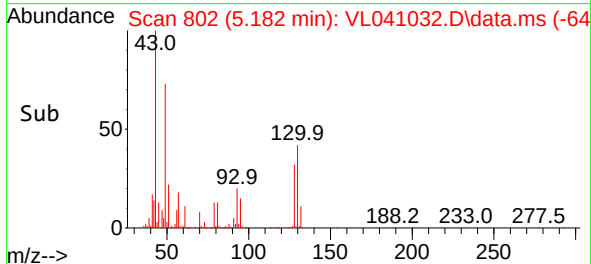
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC



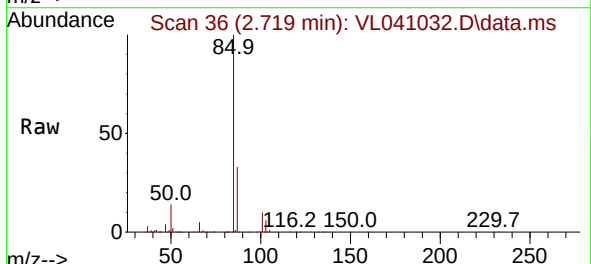
Tgt Ion: 49 Resp: 107196
Ion Ratio Lower Upper
49 100
128 46.6 23.9 71.7
130 59.4 31.1 93.5

Manual Integrations
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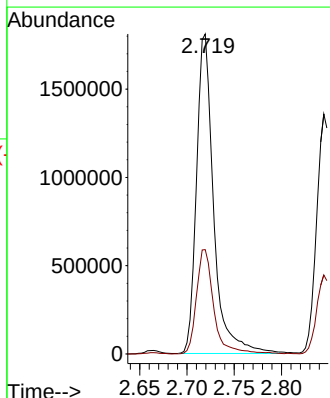
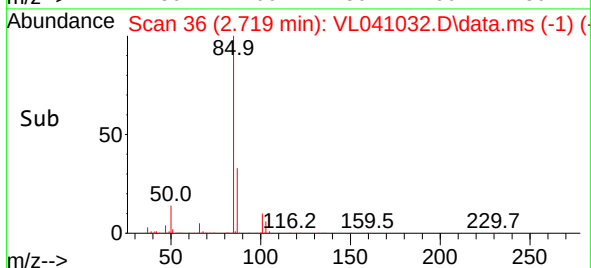
Reviewed By :Semsettin Yesilyurt 01/26/2024
Supervised By :Mahesh Dadoda 01/26/2024

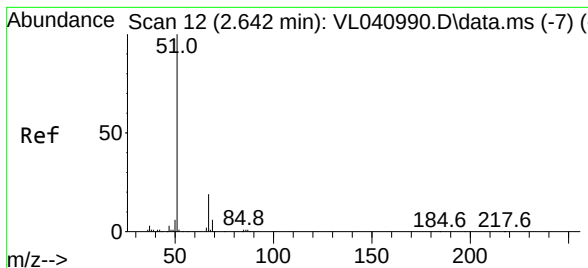


#2
Dichlorodifluoromethane
Concen: 9.629 ppbv
RT: 2.719 min Scan# 36
Delta R.T. 0.003 min
Lab File: VL041032.D
Acq: 25 Jan 2024 16:34



Tgt Ion: 85 Resp: 2279795
Ion Ratio Lower Upper
85 100
87 32.6 26.3 39.5





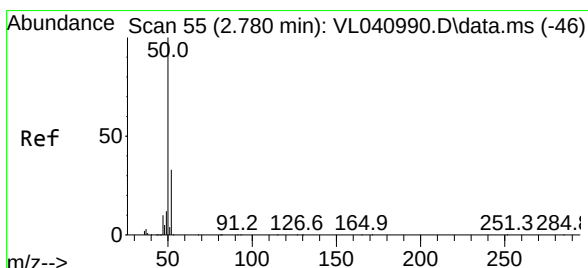
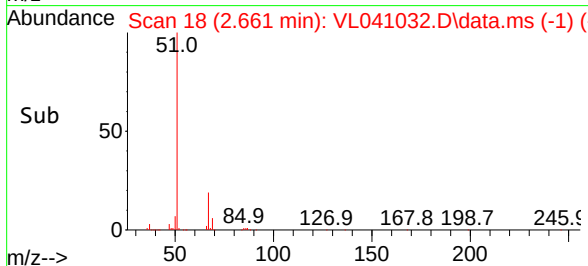
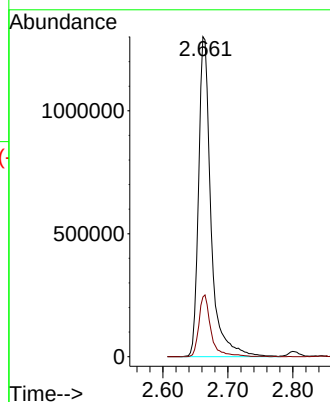
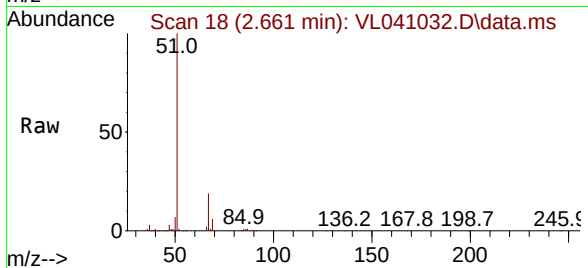
#3
Chlorodifluoromethane
Concen: 9.590 ppbv
RT: 2.661 min Scan# 11
Delta R.T. 0.000 min
Lab File: VL041032.D
Acq: 25 Jan 2024 16:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 51 Resp: 172911
Ion Ratio Lower Upper
51 100
67 18.9 14.8 22.2

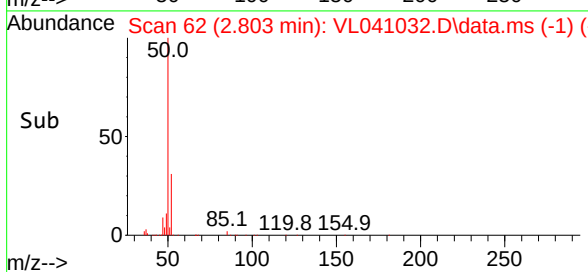
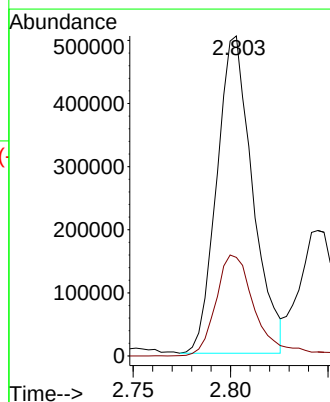
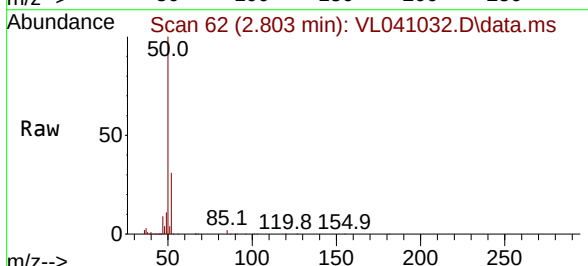
Manual Integrations
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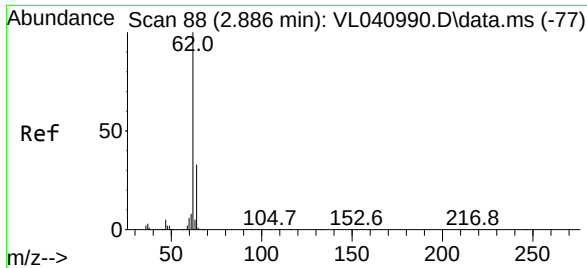
Reviewed By :Semsettin Yesilyurt 01/26/2024
Supervised By :Mahesh Dadoda 01/26/2024



#4
Chloromethane
Concen: 9.505 ppbv
RT: 2.803 min Scan# 62
Delta R.T. 0.003 min
Lab File: VL041032.D
Acq: 25 Jan 2024 16:34

Tgt Ion: 50 Resp: 642363
Ion Ratio Lower Upper
50 100
52 31.0 26.2 39.4





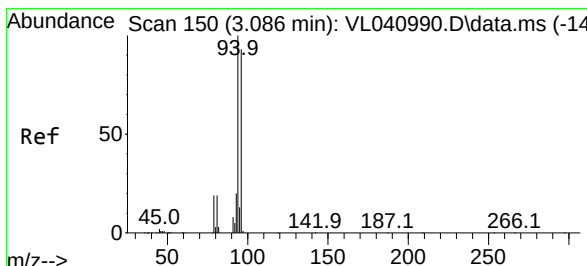
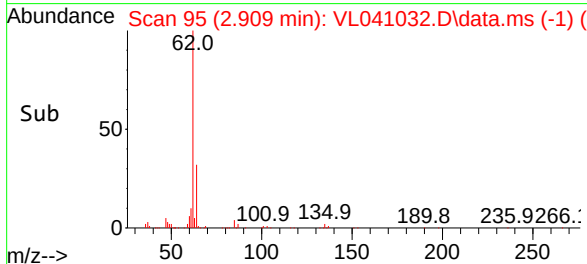
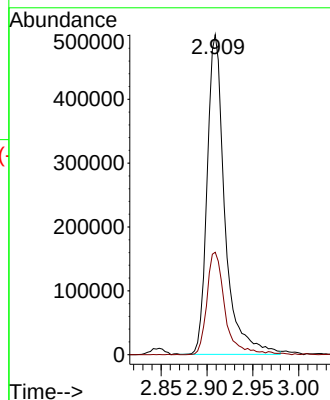
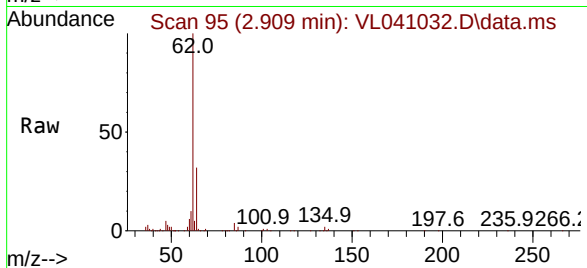
#5
 Vinyl Chloride
 Concen: 10.122 ppbv
 RT: 2.909 min Scan# 91
 Delta R.T. 0.003 min
 Lab File: VL041032.D
 Acq: 25 Jan 2024 16:34

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion: 62 Resp: 670649
 Ion Ratio Lower Upper
 62 100
 64 32.0 26.6 40.0

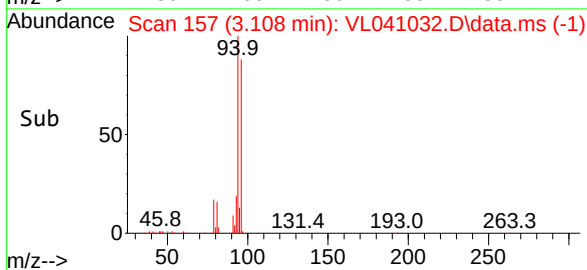
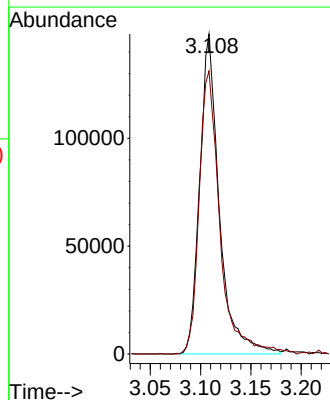
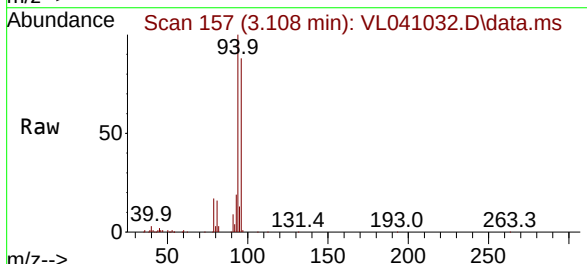
Manual Integrations
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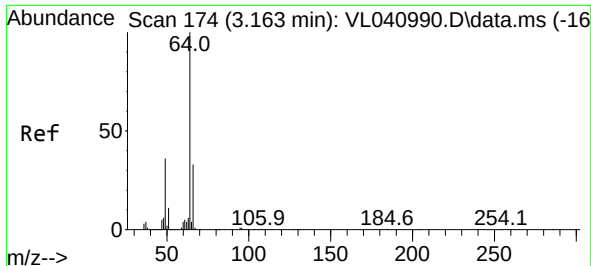
Reviewed By :Semsettin Yesilyurt 01/26/2024
 Supervised By :Mahesh Dadoda 01/26/2024



#6
 Bromomethane
 Concen: 6.945 ppbv
 RT: 3.108 min Scan# 157
 Delta R.T. 0.003 min
 Lab File: VL041032.D
 Acq: 25 Jan 2024 16:34

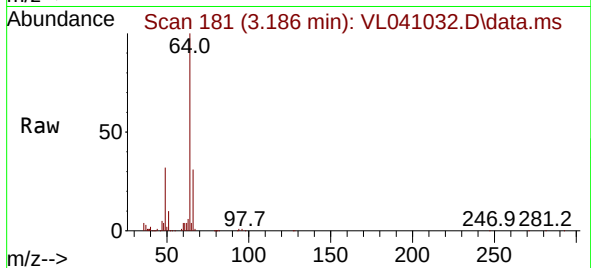
Tgt Ion: 94 Resp: 200369
 Ion Ratio Lower Upper
 94 100
 96 88.2 74.2 111.4





#7
Chloroethane
Concen: 9.707 ppbv
RT: 3.186 min Scan# 11
Delta R.T. 0.003 min
Lab File: VL041032.D
Acq: 25 Jan 2024 16:34

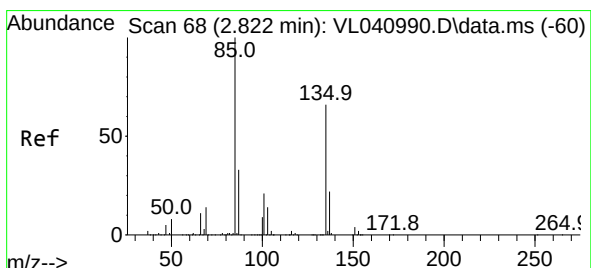
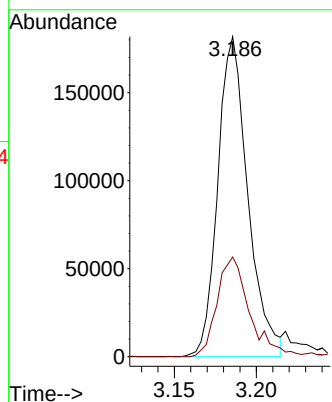
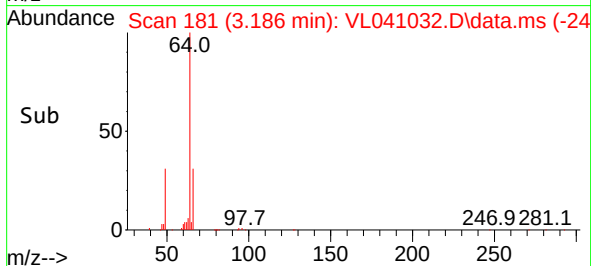
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC



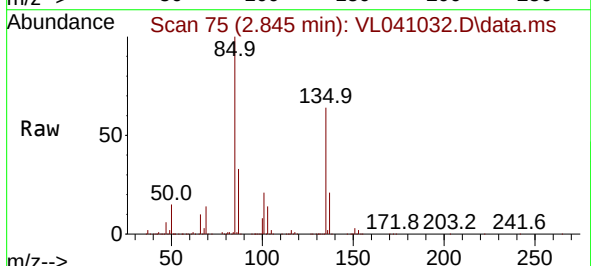
Tgt Ion: 64 Resp: 23158
Ion Ratio Lower Upper
64 100
66 31.2 26.0 39.0

Manual Integrations
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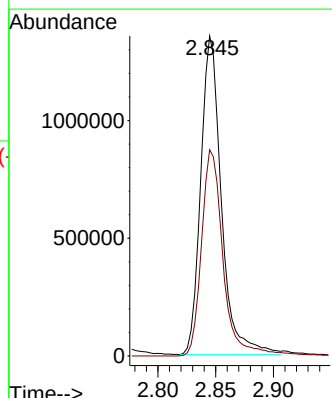
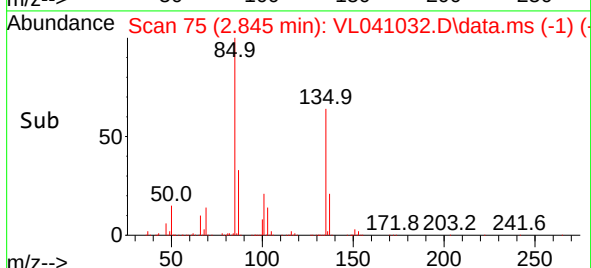
Reviewed By :Semsettin Yesilyurt 01/26/2024
Supervised By :Mahesh Dadoda 01/26/2024

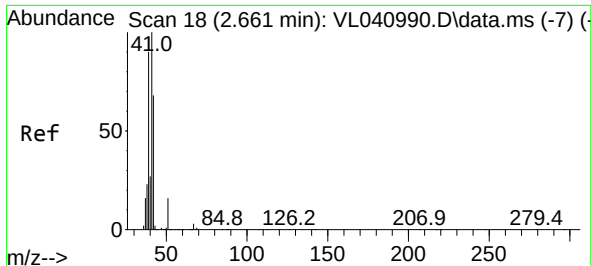


#8
Dichlorotetrafluoroethane
Concen: 9.523 ppbv
RT: 2.845 min Scan# 75
Delta R.T. 0.000 min
Lab File: VL041032.D
Acq: 25 Jan 2024 16:34



Tgt Ion: 85 Resp: 1684330
Ion Ratio Lower Upper
85 100
135 67.9 55.0 82.6





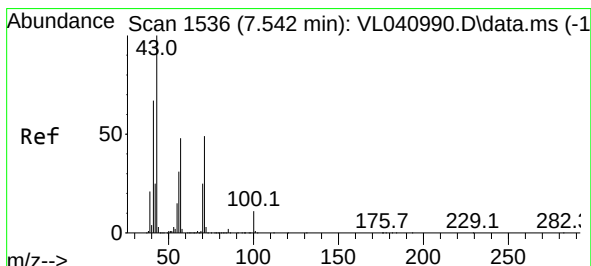
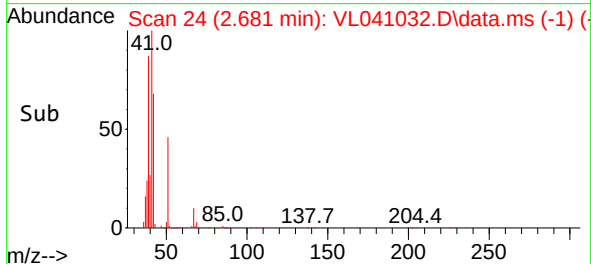
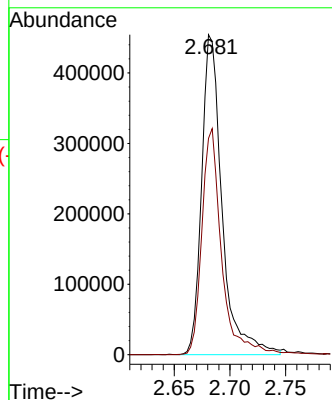
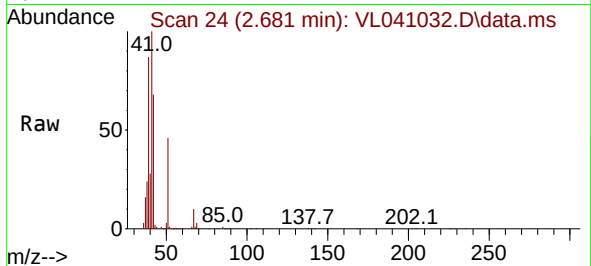
#9
 Propene
 Concen: 9.818 ppbv
 RT: 2.681 min Scan# 24
 Delta R.T. 0.000 min
 Lab File: VL041032.D
 Acq: 25 Jan 2024 16:34

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion: 41 Resp: 58062
 Ion Ratio Lower Upper
 41 100
 42 68.9 59.0 88.4

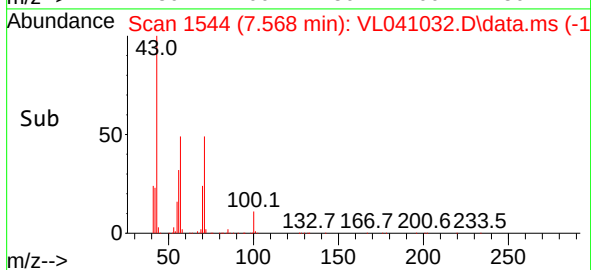
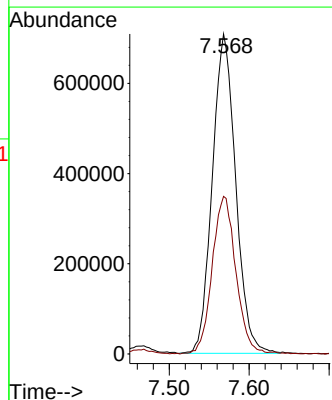
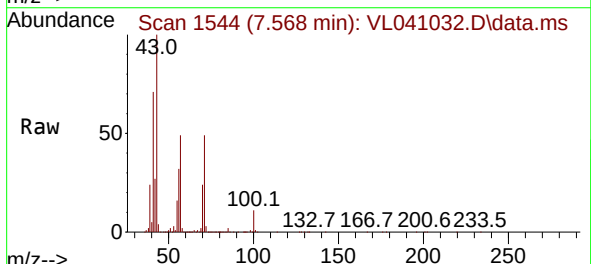
Manual Integrations
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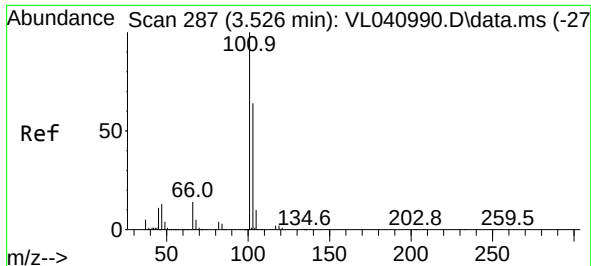
Reviewed By :Semsettin Yesilyurt 01/26/2024
 Supervised By :Mahesh Dadoda 01/26/2024



#10
 Heptane
 Concen: 9.869 ppbv
 RT: 7.568 min Scan# 1544
 Delta R.T. 0.003 min
 Lab File: VL041032.D
 Acq: 25 Jan 2024 16:34

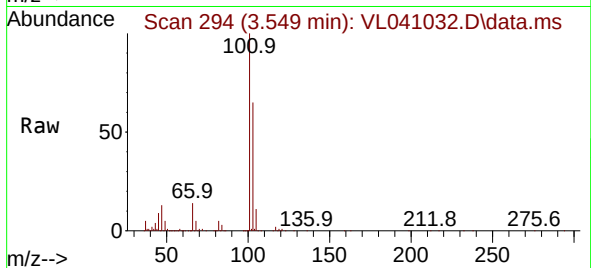
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 Ion Ratio Lower Upper
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 57 50.3 39.4 59.2





#11
 Trichlorofluoromethane
 Concen: 9.549 ppbv
 RT: 3.549 min Scan# 24
 Delta R.T. 0.000 min
 Lab File: VL041032.D
 Acq: 25 Jan 2024 16:34

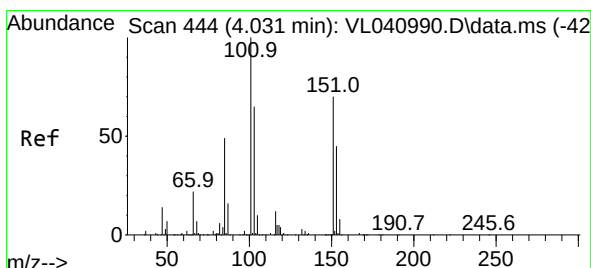
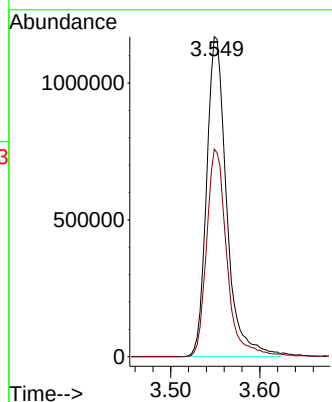
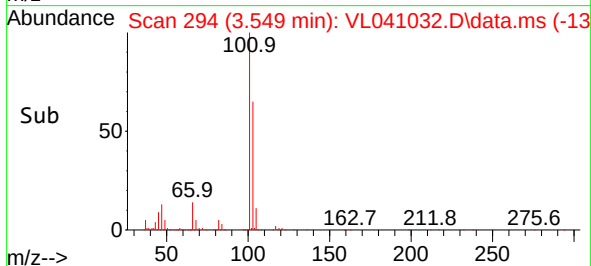
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC



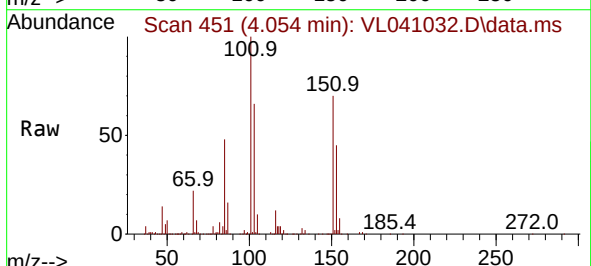
Tgt Ion:101 Resp: 1821709
 Ion Ratio Lower Upper
 101 100
 103 64.8 51.4 77.2

Manual Integrations
 APPROVED

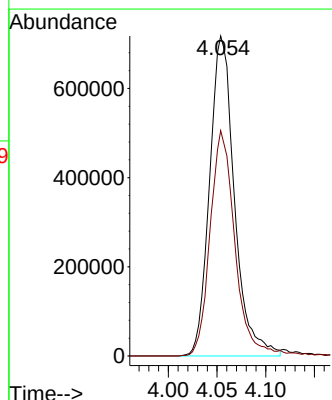
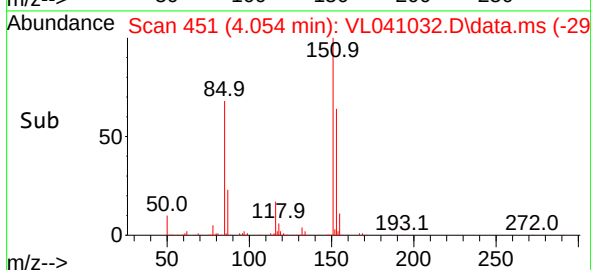
Reviewed By :Semsettin Yesilyurt 01/26/2024
 Supervised By :Mahesh Dadoda 01/26/2024

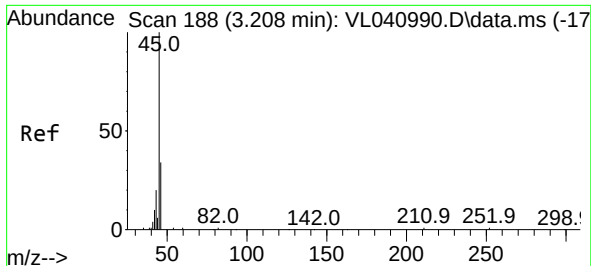


#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.195 ppbv
 RT: 4.054 min Scan# 451
 Delta R.T. 0.000 min
 Lab File: VL041032.D
 Acq: 25 Jan 2024 16:34



Tgt Ion:101 Resp: 1271383
 Ion Ratio Lower Upper
 101 100
 151 71.2 56.6 85.0





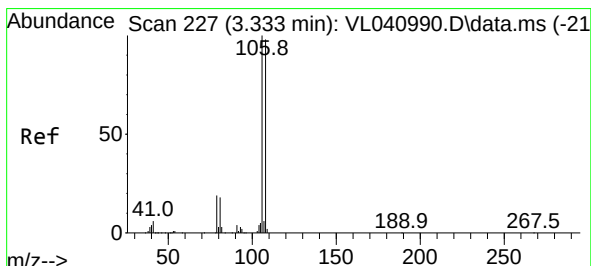
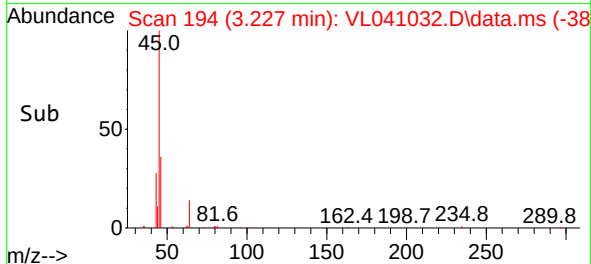
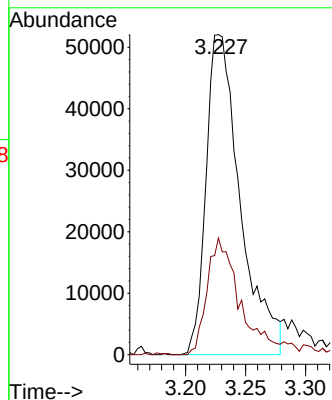
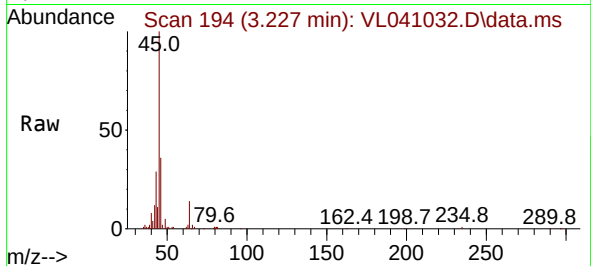
#13
Ethanol
Concen: 7.328 ppbv
RT: 3.227 min Scan# 194
Delta R.T. 0.000 min
Lab File: VL041032.D
Acq: 25 Jan 2024 16:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 45 Resp: 103285
Ion Ratio Lower Upper
45 100
46 37.9 16.2 64.8

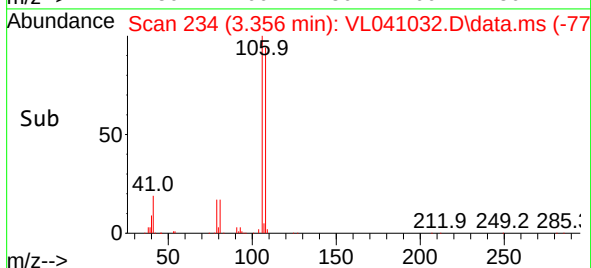
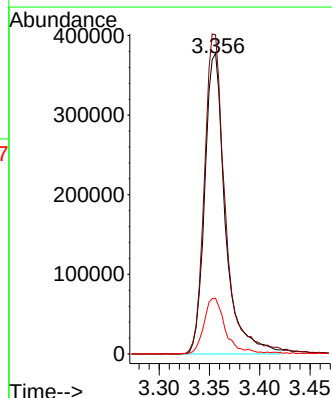
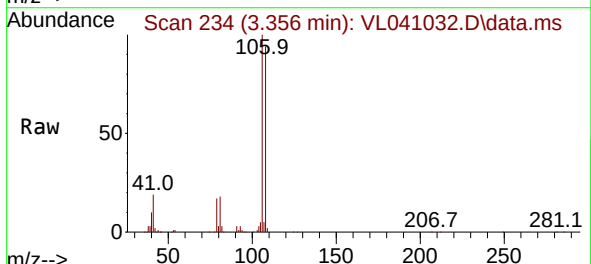
Manual Integrations
APPROVED

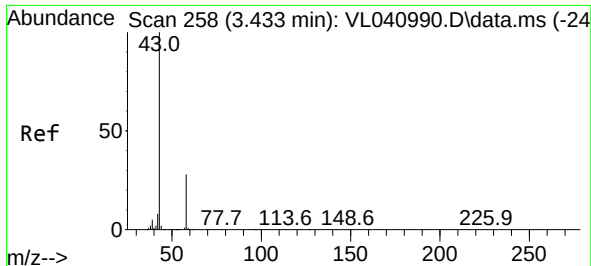
Reviewed By :Semsettin Yesilyurt 01/26/2024
Supervised By :Mahesh Dadoda 01/26/2024



#14
Bromoethene
Concen: 10.127 ppbv
RT: 3.356 min Scan# 234
Delta R.T. 0.003 min
Lab File: VL041032.D
Acq: 25 Jan 2024 16:34

Tgt Ion:108 Resp: 537604
Ion Ratio Lower Upper
108 100
106 109.2 86.4 129.6
79 20.1 16.2 24.4





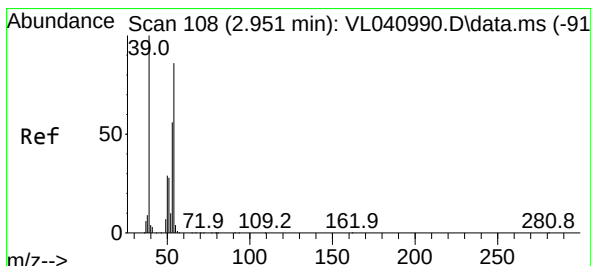
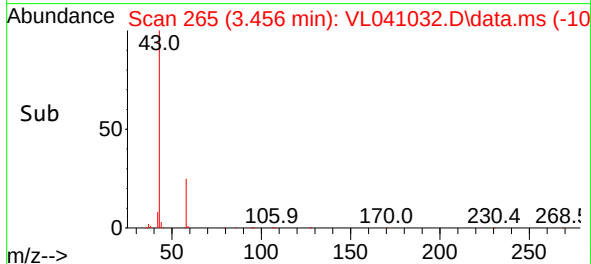
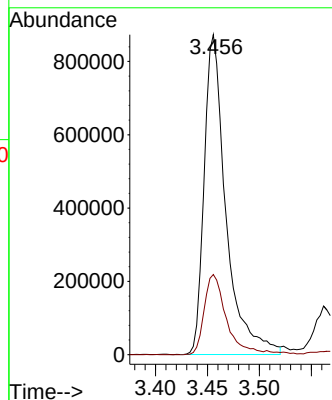
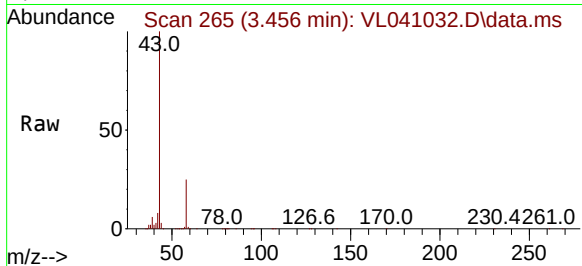
#15
Acetone
Concen: 9.303 ppbv
RT: 3.456 min Scan# 20
Delta R.T. 0.000 min
Lab File: VL041032.D
Acq: 25 Jan 2024 16:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 43 Resp: 127531
Ion Ratio Lower Upper
43 100
58 26.1 22.2 33.2

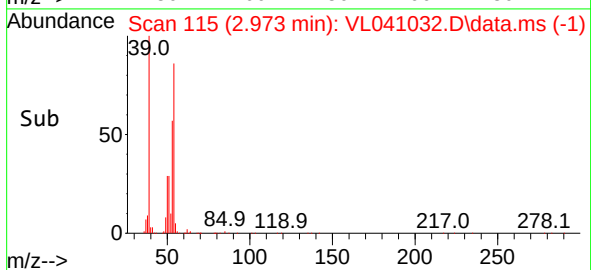
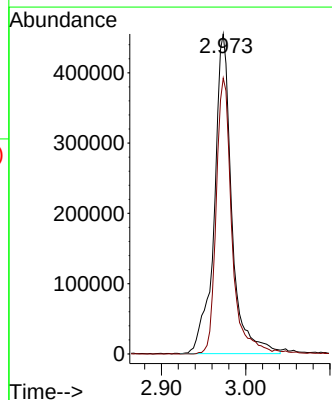
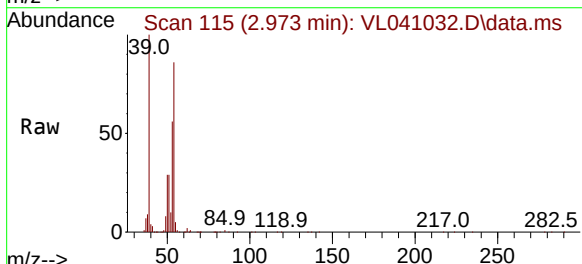
Manual Integrations
APPROVED

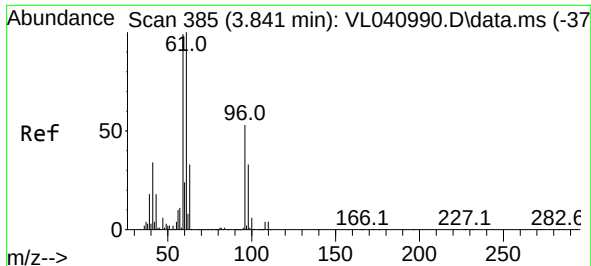
Reviewed By :Semsettin Yesilyurt 01/26/2024
Supervised By :Mahesh Dadoda 01/26/2024



#16
1,3-Butadiene
Concen: 10.040 ppbv
RT: 2.973 min Scan# 115
Delta R.T. 0.003 min
Lab File: VL041032.D
Acq: 25 Jan 2024 16:34

Tgt Ion: 39 Resp: 658384
Ion Ratio Lower Upper
39 100
54 78.0 62.7 94.1





#17

tert-Butyl alcohol

Concen: 9.590 ppbv

RT: 3.867 min Scan# 393

Delta R.T. 0.003 min

Lab File: VL041032.D

Acq: 25 Jan 2024 16:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 59 Resp: 1078269

Ion Ratio Lower Upper

59 100

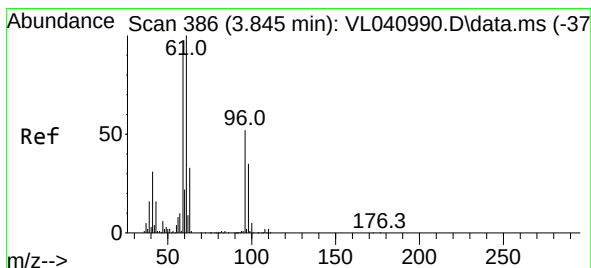
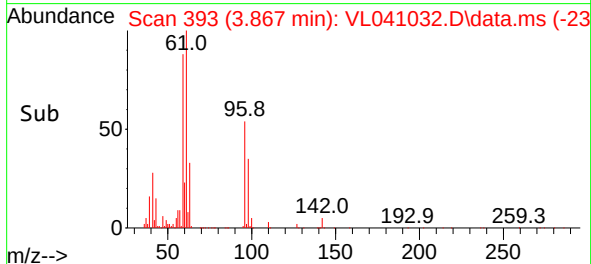
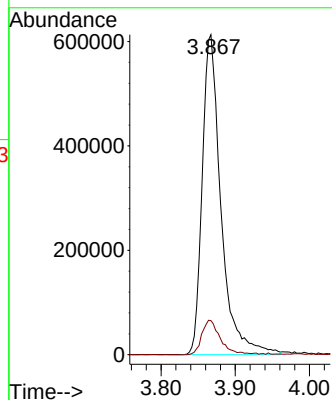
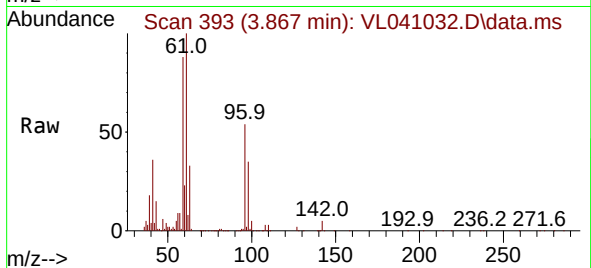
57 10.9 8.7 13.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 01/26/2024

Supervised By :Mahesh Dadoda 01/26/2024



#18

1,1-Dichloroethene

Concen: 9.536 ppbv

RT: 3.867 min Scan# 393

Delta R.T. 0.000 min

Lab File: VL041032.D

Acq: 25 Jan 2024 16:34

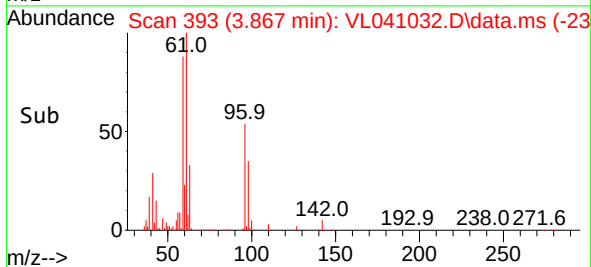
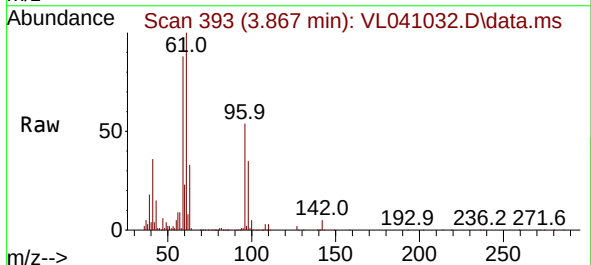
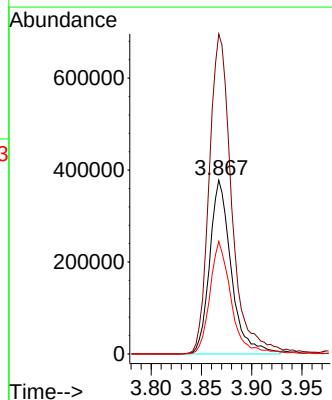
Tgt Ion: 96 Resp: 564490

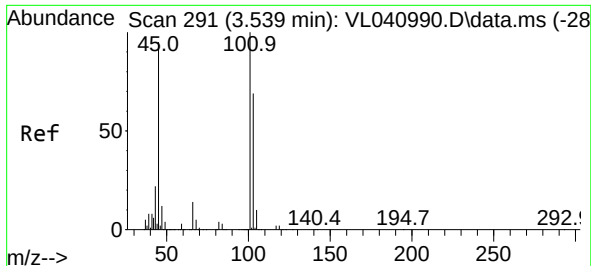
Ion Ratio Lower Upper

96 100

61 184.1 153.8 230.8

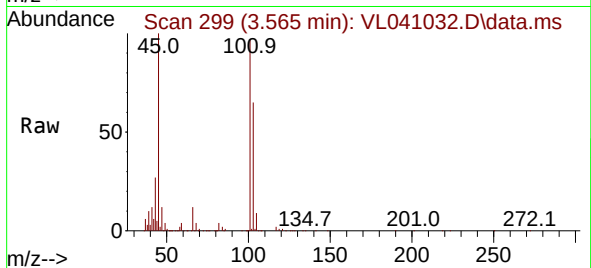
98 64.8 53.7 80.5





#19
Isopropyl Alcohol
Concen: 9.264 ppbv
RT: 3.565 min Scan# 291
Delta R.T. 0.003 min
Lab File: VL041032.D
Acq: 25 Jan 2024 16:34

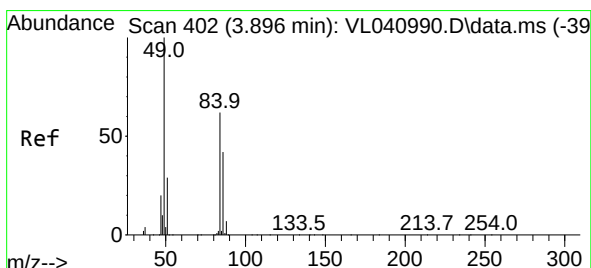
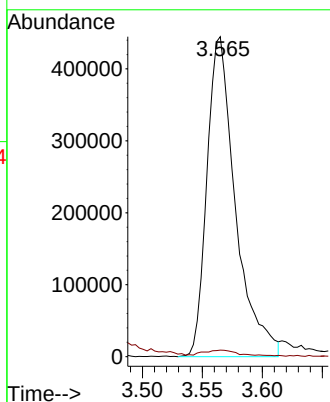
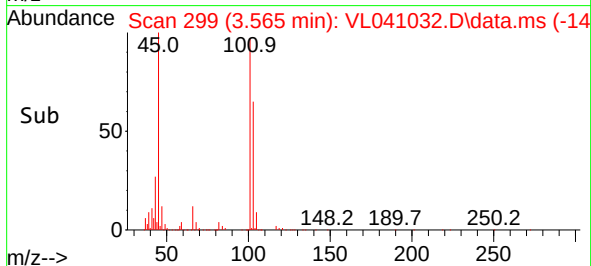
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC



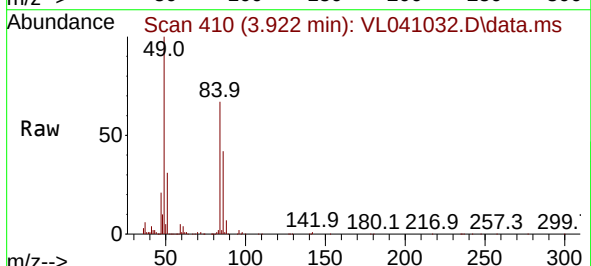
Tgt Ion: 45 Resp: 735120
Ion Ratio Lower Upper
45 100
58 2.9 2.2 3.4

Manual Integrations
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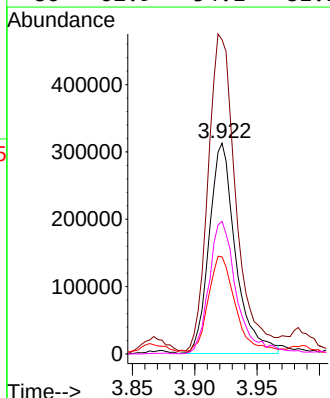
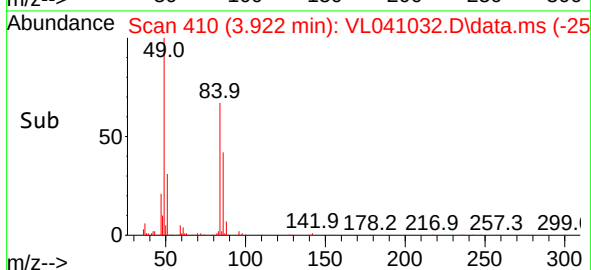
Reviewed By :Semsettin Yesilyurt 01/26/2024
Supervised By :Mahesh Dadoda 01/26/2024

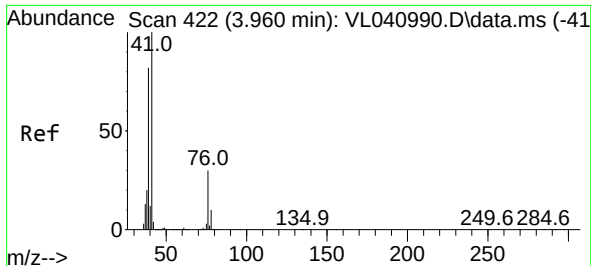


#20
Methylene Chloride
Concen: 8.749 ppbv
RT: 3.922 min Scan# 410
Delta R.T. 0.003 min
Lab File: VL041032.D
Acq: 25 Jan 2024 16:34



Tgt Ion: 84 Resp: 461509
Ion Ratio Lower Upper
84 100
49 147.8 128.1 192.1
51 45.1 36.5 54.7
86 62.9 54.1 81.1





#21

Allyl Chloride

Concen: 8.892 ppbv

RT: 3.983 min Scan# 41

Delta R.T. 0.000 min

Lab File: VL041032.D

Acq: 25 Jan 2024 16:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 41 Resp: 74062

Ion Ratio Lower Upper

41 100

76 30.2 25.0 37.4

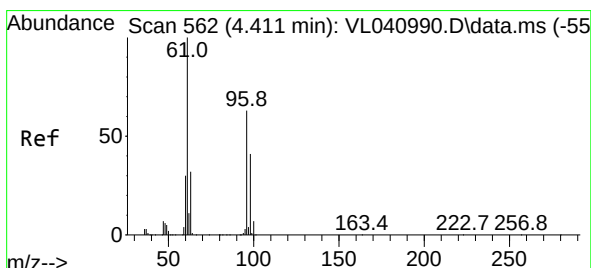
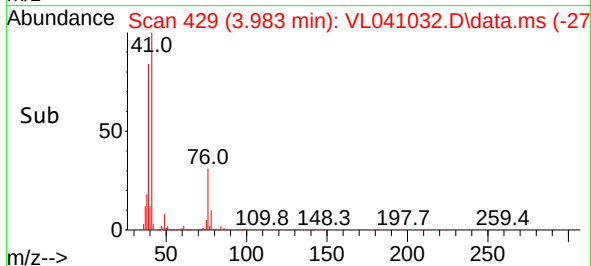
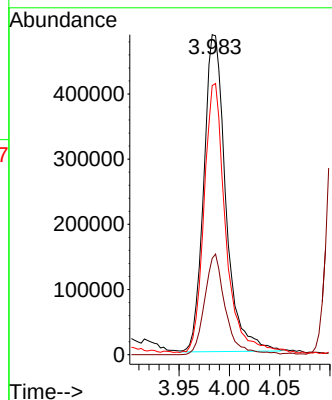
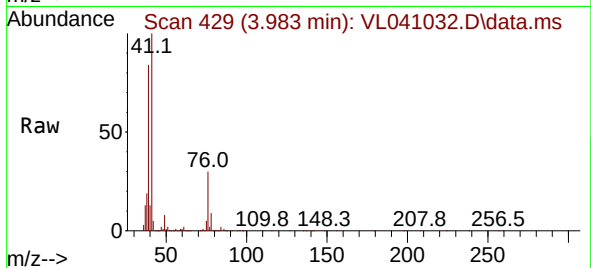
39 84.6 67.0 100.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 01/26/2024

Supervised By :Mahesh Dadoda 01/26/2024



#22

trans-1,2-Dichloroethene

Concen: 9.263 ppbv

RT: 4.433 min Scan# 569

Delta R.T. 0.000 min

Lab File: VL041032.D

Acq: 25 Jan 2024 16:34

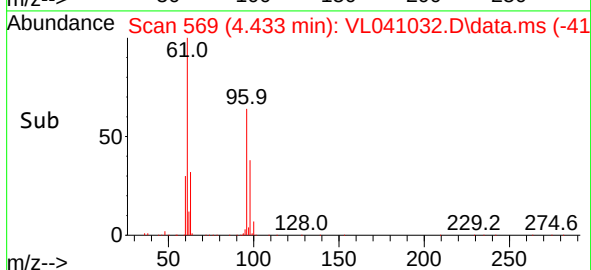
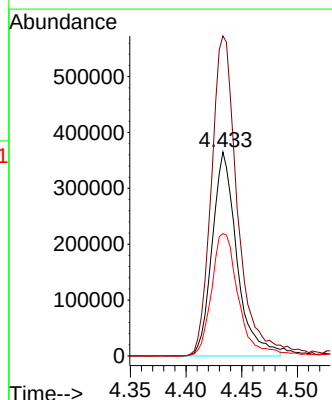
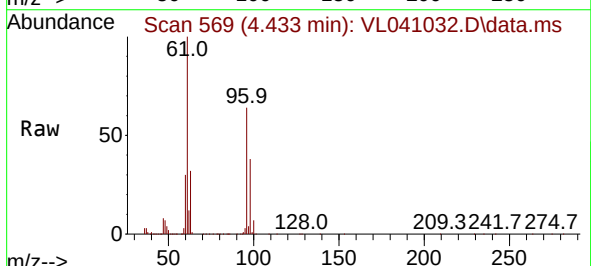
Tgt Ion: 96 Resp: 564622

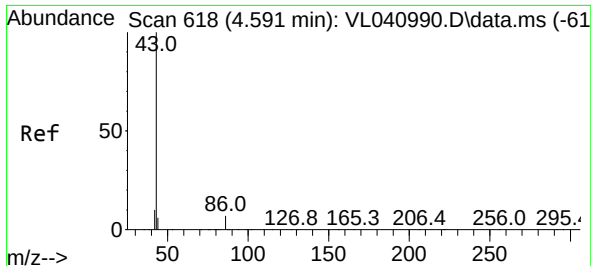
Ion Ratio Lower Upper

96 100

61 156.8 126.0 189.0

98 59.9 51.2 76.8





#23
 Vinyl Acetate
 Concen: 9.204 ppbv
 RT: 4.616 min Scan# 606
 Delta R.T. 0.003 min
 Lab File: VL041032.D
 Acq: 25 Jan 2024 16:34

Instrument :

MSVOA_L

ClientSampleId :

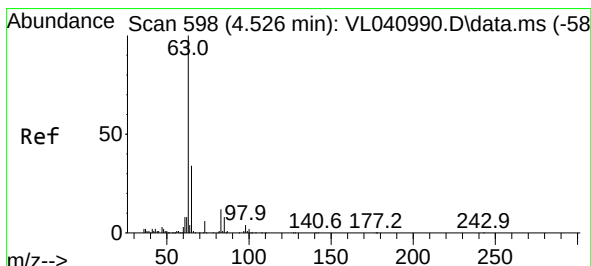
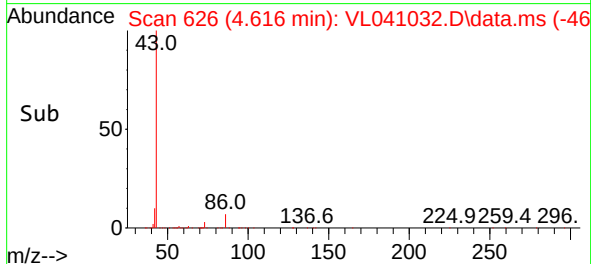
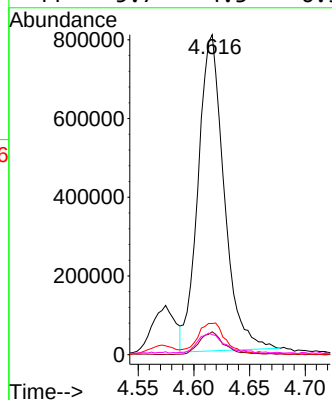
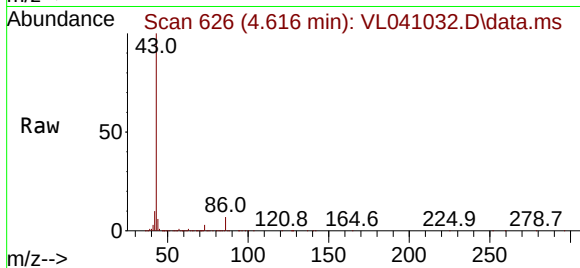
VSTDCCC010EC

Tgt Ion: 43 Resp: 1300628
 Ion Ratio Lower Upper
 43 100
 86 7.1 5.4 8.0
 42 9.7 8.6 13.0
 44 5.7 4.3 6.5

Manual Integrations

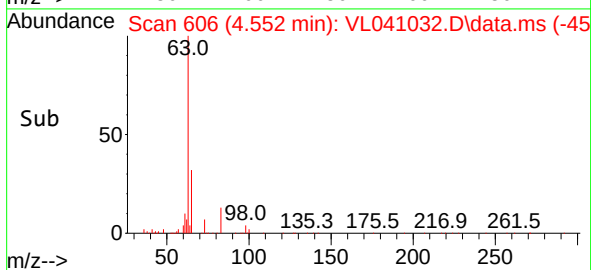
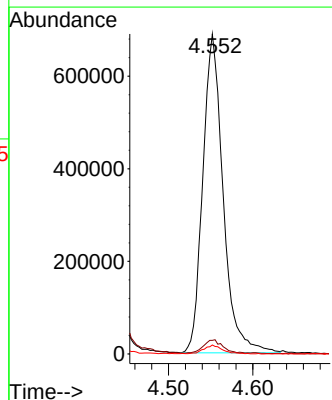
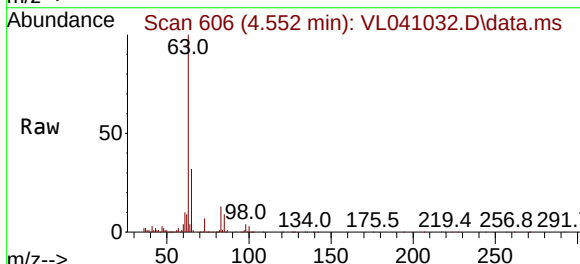
APPROVED

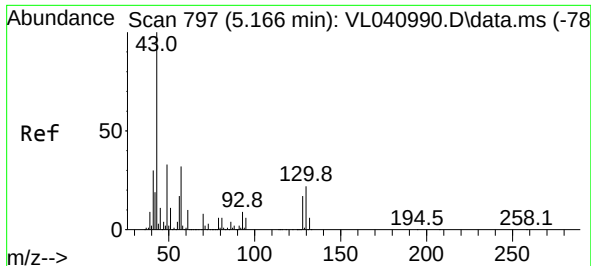
Reviewed By :Semsettin Yesilyurt 01/26/2024
 Supervised By :Mahesh Dadoda 01/26/2024



#24
 1,1-Dichloroethane
 Concen: 9.246 ppbv
 RT: 4.552 min Scan# 606
 Delta R.T. 0.000 min
 Lab File: VL041032.D
 Acq: 25 Jan 2024 16:34

Tgt Ion: 63 Resp: 1159062
 Ion Ratio Lower Upper
 63 100
 98 4.0 2.1 6.3
 100 2.8 1.3 3.9





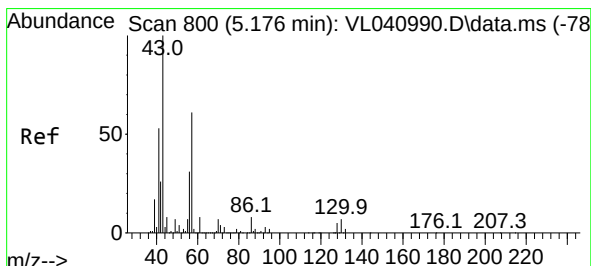
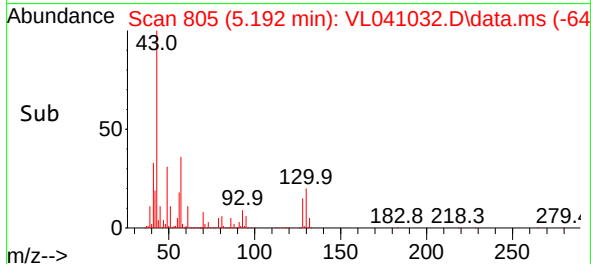
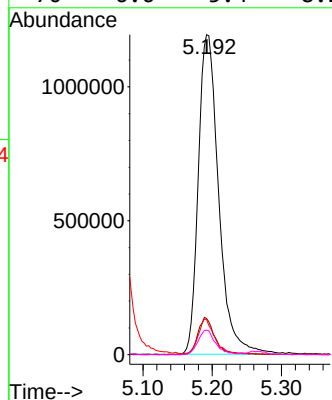
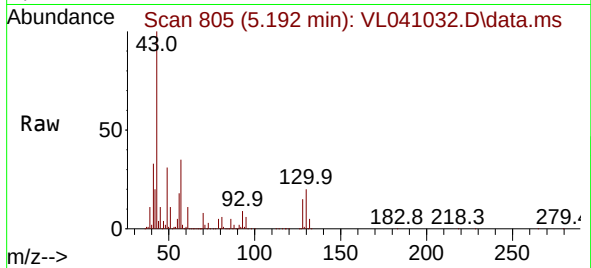
#25
Ethyl Acetate
Concen: 9.824 ppbv
RT: 5.192 min Scan# 805
Delta R.T. 0.000 min
Lab File: VL041032.D
Acq: 25 Jan 2024 16:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 43 Resp: 244179
Ion Ratio Lower Upper
43 100
45 10.0 8.2 12.4
61 9.4 7.9 11.9
70 6.6 5.4 8.2

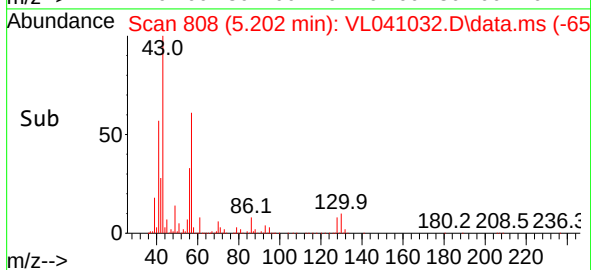
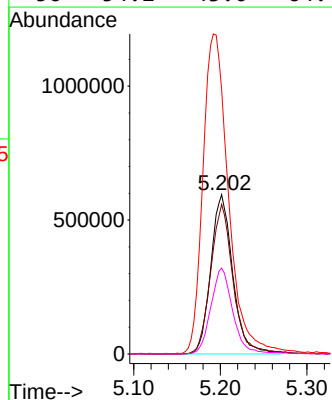
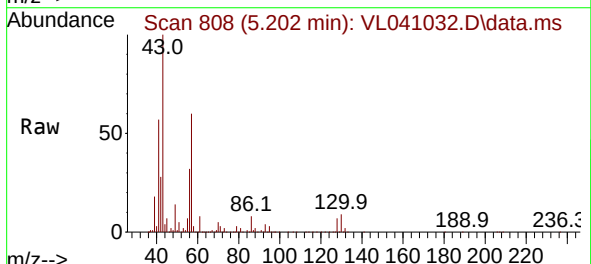
Manual Integrations
APPROVED

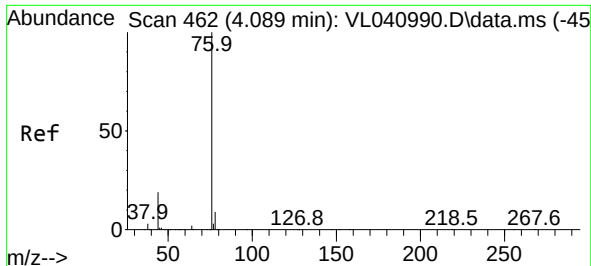
Reviewed By :Semsettin Yesilyurt 01/26/2024
Supervised By :Mahesh Dadoda 01/26/2024



#26
Hexane
Concen: 9.887 ppbv
RT: 5.202 min Scan# 808
Delta R.T. 0.000 min
Lab File: VL041032.D
Acq: 25 Jan 2024 16:34

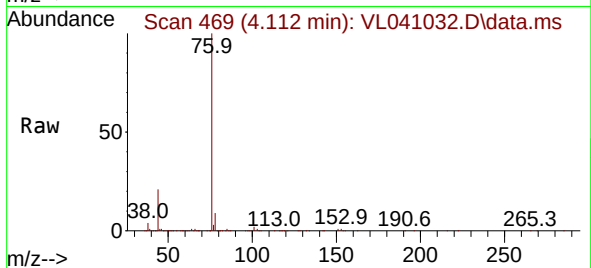
Tgt Ion: 57 Resp: 1047553
Ion Ratio Lower Upper
57 100
41 96.2 74.4 111.6
43 235.4 190.6 285.8
56 54.2 43.0 64.4





#27
Carbon Disulfide
Concen: 10.160 ppbv
RT: 4.112 min Scan# 411
Delta R.T. 0.000 min
Lab File: VL041032.D
Acq: 25 Jan 2024 16:34

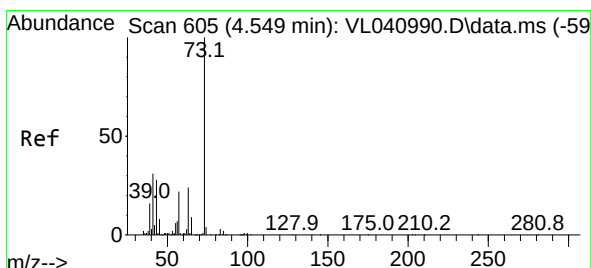
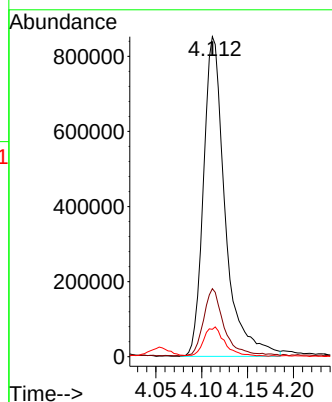
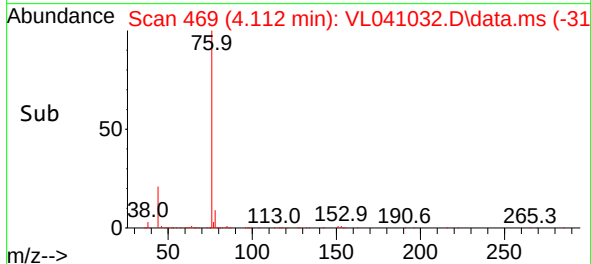
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC



Tgt Ion: 76 Resp: 1400800
Ion Ratio Lower Upper
76 100
44 20.0 16.0 24.0
78 9.2 7.8 11.8

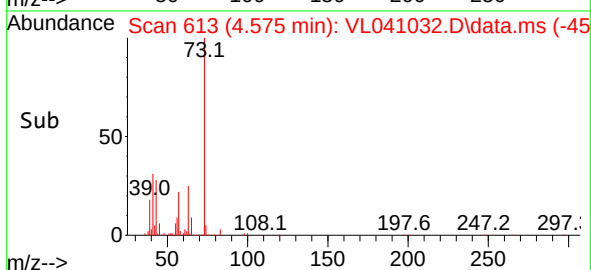
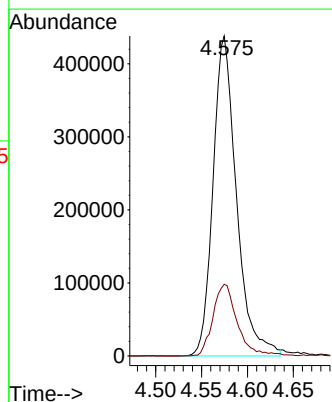
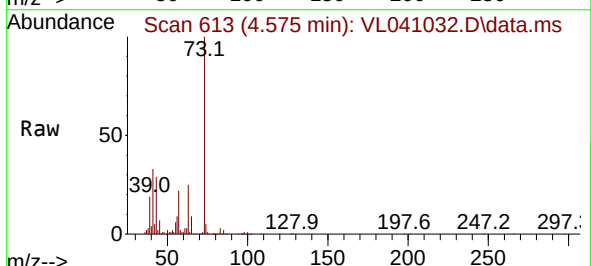
Manual Integrations
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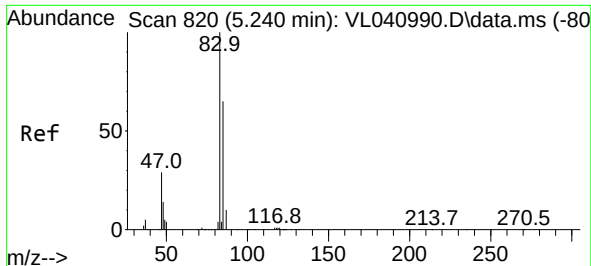
Reviewed By :Semsettin Yesilyurt 01/26/2024
Supervised By :Mahesh Dadoda 01/26/2024



#28
Methyl tert-Butyl Ether
Concen: 8.849 ppbv
RT: 4.575 min Scan# 613
Delta R.T. 0.003 min
Lab File: VL041032.D
Acq: 25 Jan 2024 16:34

Tgt Ion: 73 Resp: 778084
Ion Ratio Lower Upper
73 100
57 23.2 18.0 27.0





#29

Chloroform

Concen: 9.751 ppbv

RT: 5.266 min Scan# 81

Delta R.T. 0.006 min

Lab File: VL041032.D

Acq: 25 Jan 2024 16:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 83 Resp: 183236

Ion Ratio Lower Upper

83 100

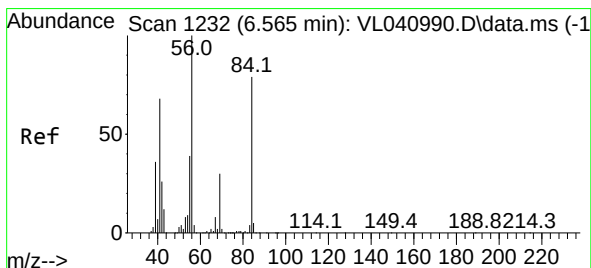
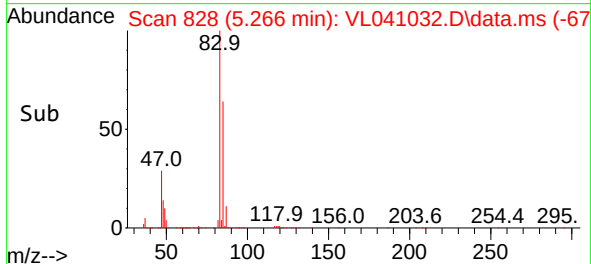
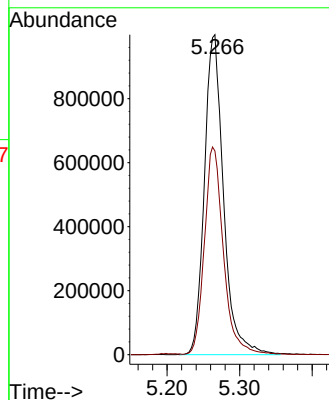
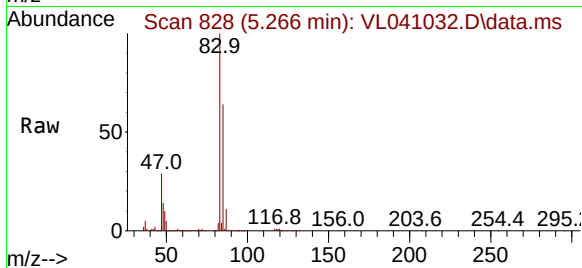
85 63.4 51.6 77.4

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 01/26/2024

Supervised By :Mahesh Dadoda 01/26/2024



#30

Cyclohexane

Concen: 9.716 ppbv

RT: 6.591 min Scan# 1240

Delta R.T. 0.003 min

Lab File: VL041032.D

Acq: 25 Jan 2024 16:34

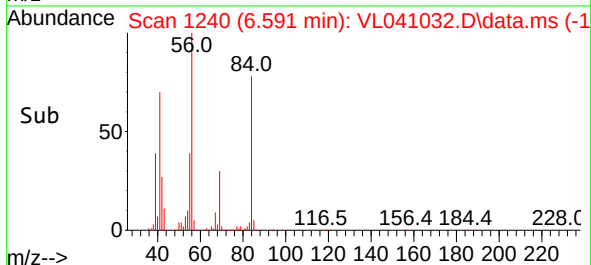
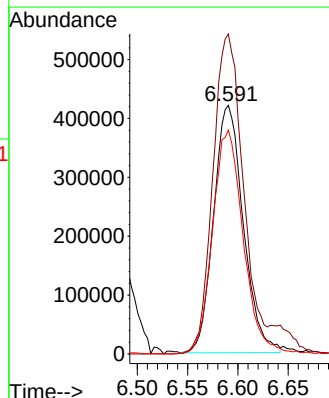
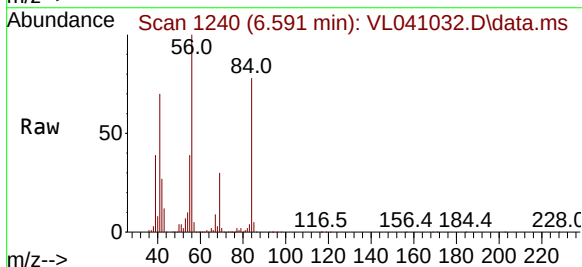
Tgt Ion: 84 Resp: 862475

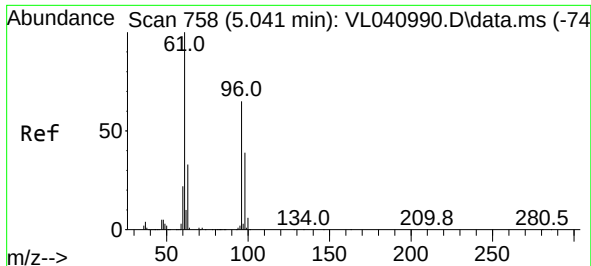
Ion Ratio Lower Upper

84 100

56 141.3 111.7 167.5

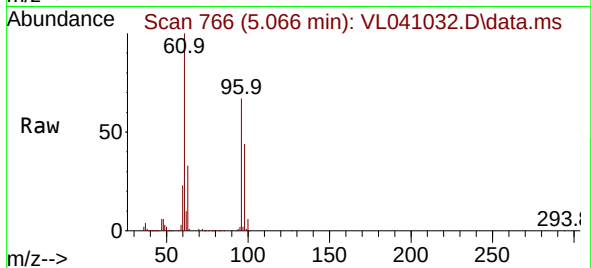
41 93.5 71.0 106.6





#31
 cis-1,2-Dichloroethene
 Concen: 10.806 ppbv
 RT: 5.066 min Scan# 70
 Delta R.T. 0.000 min
 Lab File: VL041032.D
 Acq: 25 Jan 2024 16:34

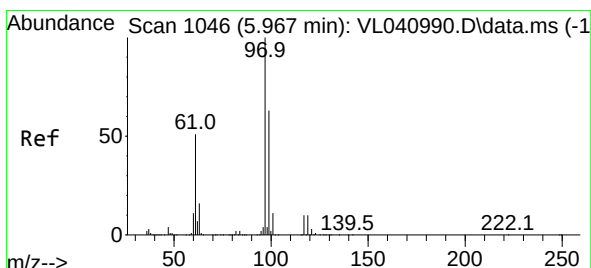
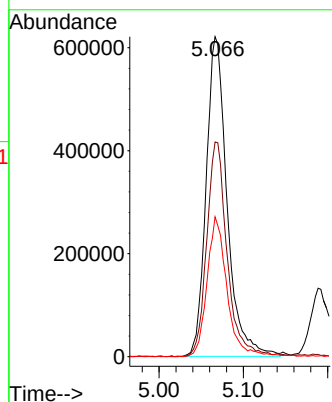
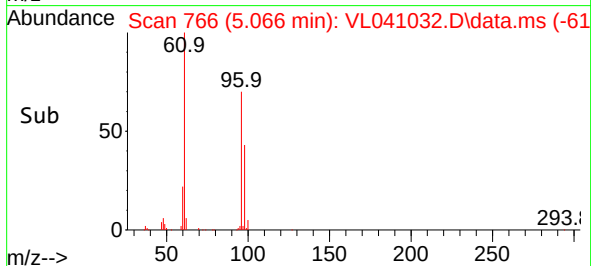
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC



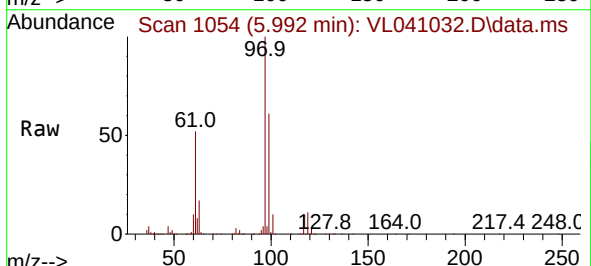
Tgt Ion: 61 Resp: 107457
 Ion Ratio Lower Upper
 61 100
 96 67.1 51.9 77.9
 98 43.7 31.5 47.3

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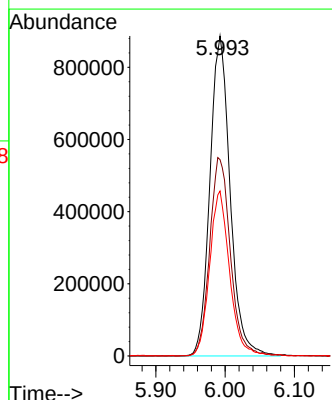
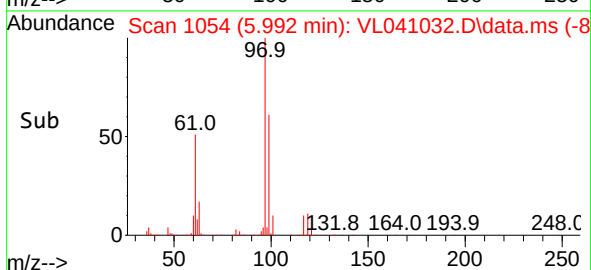
Reviewed By :Semsettin Yesilyurt 01/26/2024
 Supervised By :Mahesh Dadoda 01/26/2024

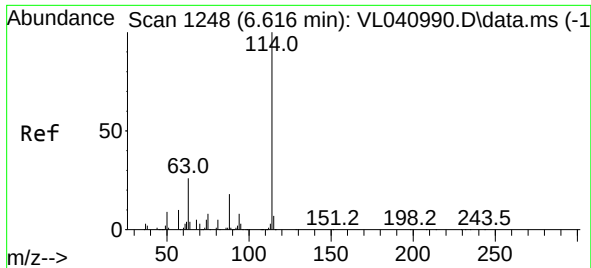


#32
 1,1,1-Trichloroethane
 Concen: 10.024 ppbv
 RT: 5.992 min Scan# 1054
 Delta R.T. 0.000 min
 Lab File: VL041032.D
 Acq: 25 Jan 2024 16:34



Tgt Ion: 97 Resp: 1800286
 Ion Ratio Lower Upper
 97 100
 99 63.7 51.5 77.3
 61 50.9 40.3 60.5





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.642 min Scan# 114

Delta R.T. 0.000 min

Lab File: VL041032.D

Acq: 25 Jan 2024 16:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion:114 Resp: 259056

Ion Ratio Lower Upper

114 100

63 26.9 20.8 31.2

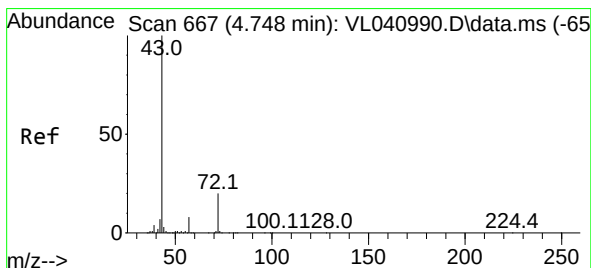
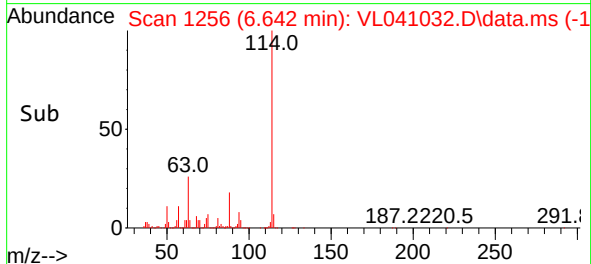
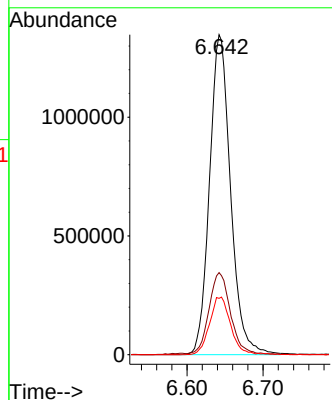
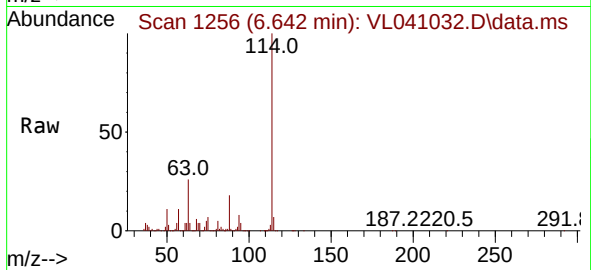
88 18.1 14.3 21.5

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 01/26/2024

Supervised By :Mahesh Dadoda 01/26/2024



#34

2-Butanone

Concen: 10.530 ppbv

RT: 4.774 min Scan# 675

Delta R.T. 0.003 min

Lab File: VL041032.D

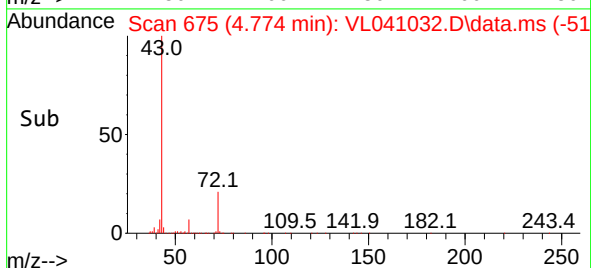
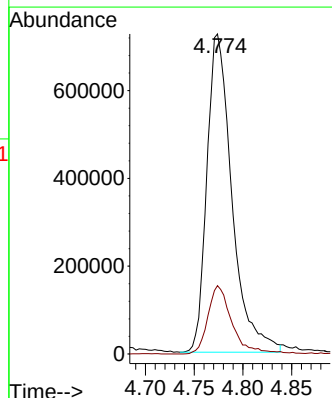
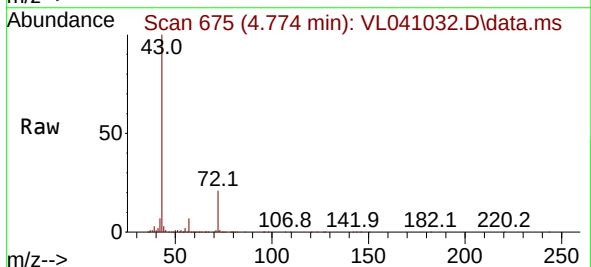
Acq: 25 Jan 2024 16:34

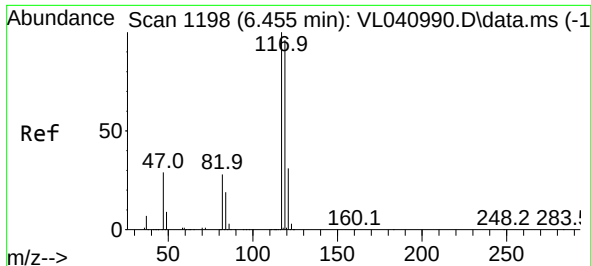
Tgt Ion: 43 Resp: 1299588

Ion Ratio Lower Upper

43 100

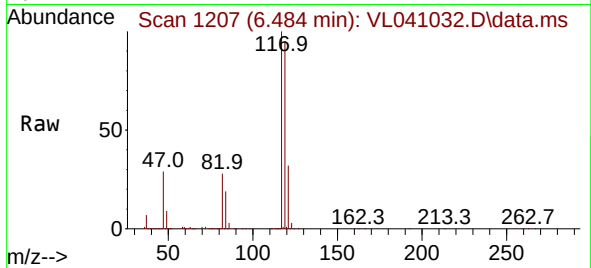
72 21.1 17.5 26.3





#35
Carbon Tetrachloride
Concen: 10.977 ppbv
RT: 6.484 min Scan# 1198
Delta R.T. 0.003 min
Lab File: VL041032.D
Acq: 25 Jan 2024 16:34

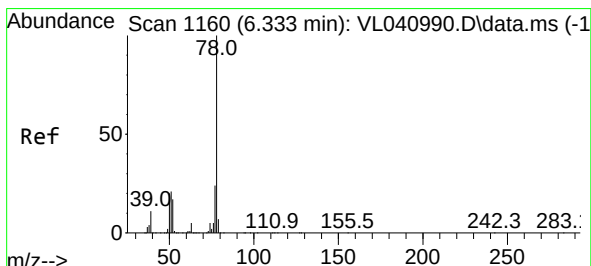
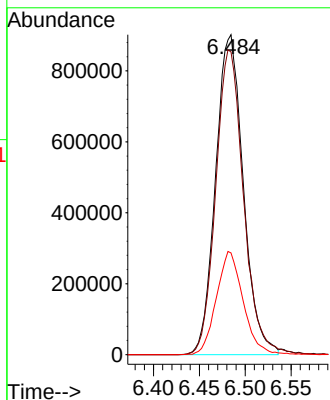
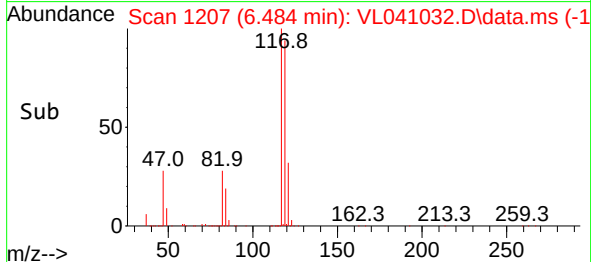
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC



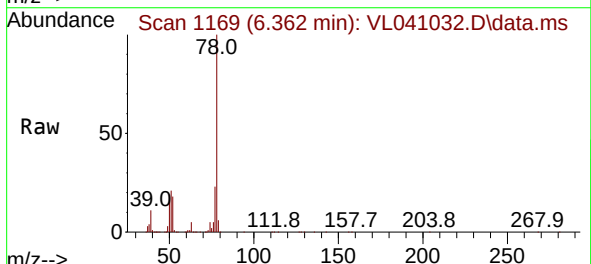
Tgt Ion: 117 Resp: 1896304
Ion Ratio Lower Upper
117 100
119 94.6 76.9 115.3
121 31.8 24.7 37.1

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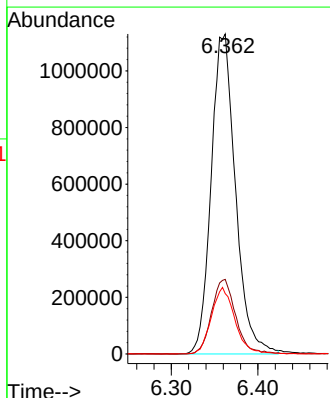
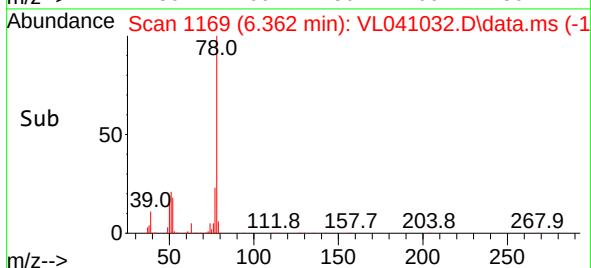
Reviewed By :Semsettin Yesilyurt 01/26/2024
Supervised By :Mahesh Dadoda 01/26/2024

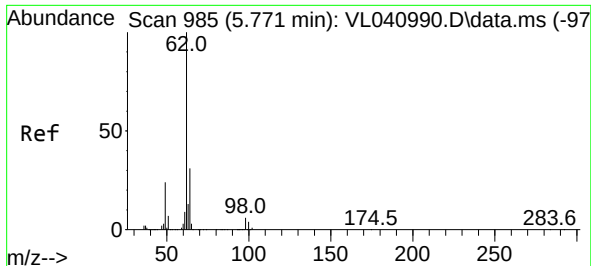


#36
Benzene
Concen: 10.310 ppbv
RT: 6.362 min Scan# 1169
Delta R.T. 0.007 min
Lab File: VL041032.D
Acq: 25 Jan 2024 16:34



Tgt Ion: 78 Resp: 2205773
Ion Ratio Lower Upper
78 100
77 23.3 19.0 28.4
50 18.8 15.8 23.6





#37

1,2-Dichloroethane

Concen: 10.454 ppbv

RT: 5.793 min Scan# 91

Delta R.T. 0.000 min

Lab File: VL041032.D

Acq: 25 Jan 2024 16:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 62 Resp: 136494

Ion Ratio Lower Upper

62 100

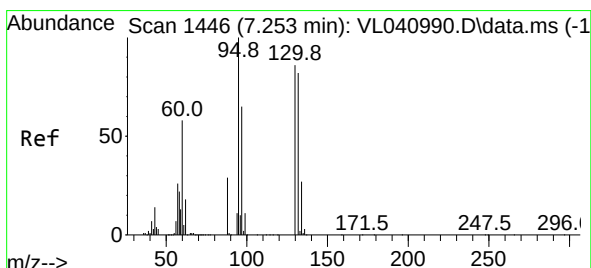
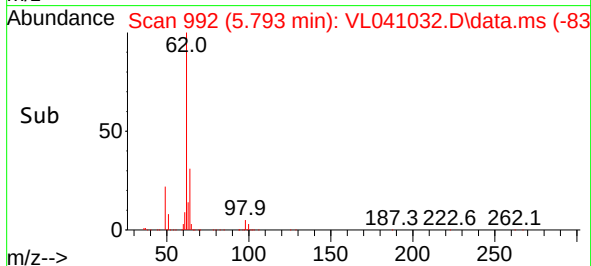
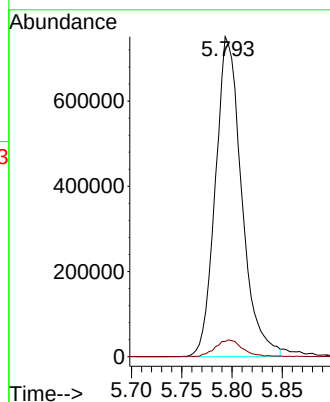
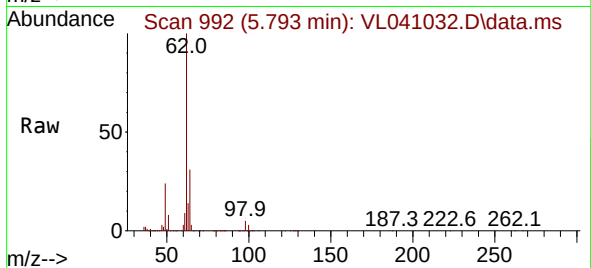
98 5.6 4.7 7.1

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 01/26/2024

Supervised By :Mahesh Dadoda 01/26/2024



#38

Trichloroethene

Concen: 9.944 ppbv

RT: 7.279 min Scan# 1454

Delta R.T. 0.000 min

Lab File: VL041032.D

Acq: 25 Jan 2024 16:34

Tgt Ion:130 Resp: 852958

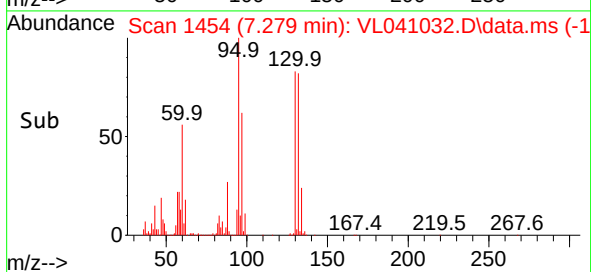
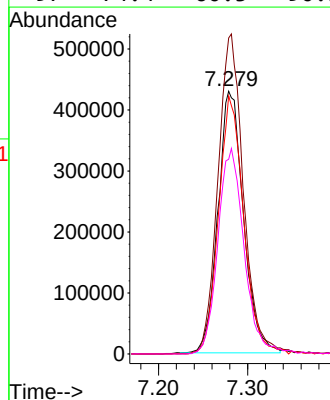
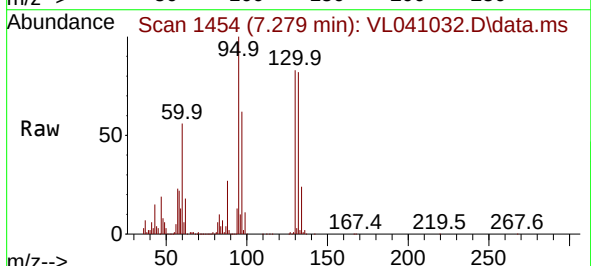
Ion Ratio Lower Upper

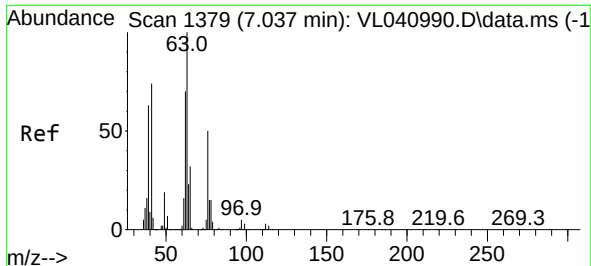
130 100

95 120.8 92.9 139.3

132 98.5 76.2 114.2

97 74.4 60.3 90.5





#39
1,2-Dichloropropane
Concen: 10.259 ppbv
RT: 7.063 min Scan# 11
Delta R.T. 0.000 min
Lab File: VL041032.D
Acq: 25 Jan 2024 16:34

Instrument :

MSVOA_L

ClientSampleId :

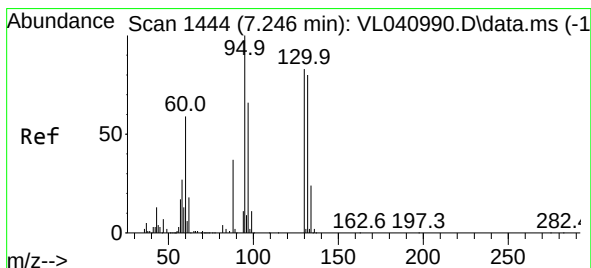
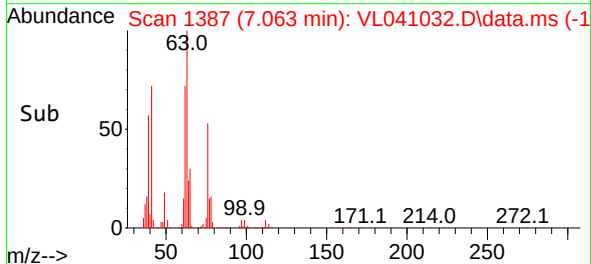
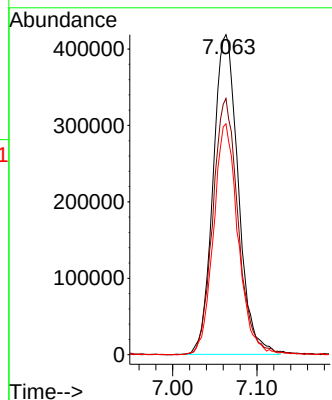
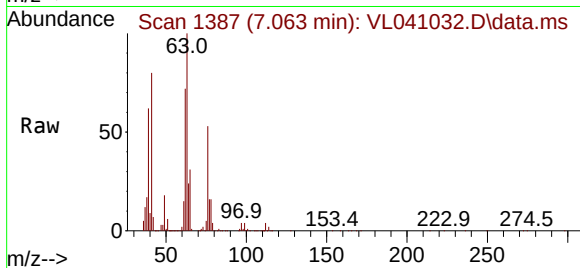
VSTDCCC010EC

Tgt Ion: 63 Resp: 86468
Ion Ratio Lower Upper
63 100
41 80.1 59.6 89.4
62 72.1 55.6 83.4

Manual Integrations

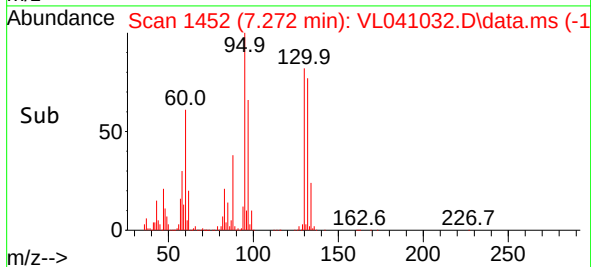
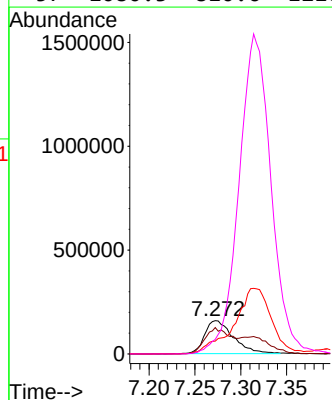
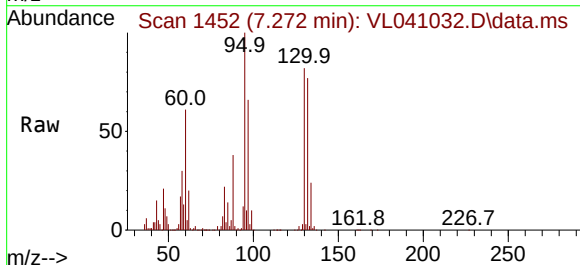
APPROVED

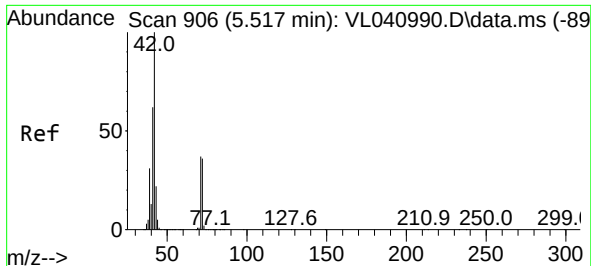
Reviewed By :Semsettin Yesilyurt 01/26/2024
Supervised By :Mahesh Dadoda 01/26/2024



#40
1,4-Dioxane
Concen: 9.959 ppbv
RT: 7.272 min Scan# 1452
Delta R.T. 0.003 min
Lab File: VL041032.D
Acq: 25 Jan 2024 16:34

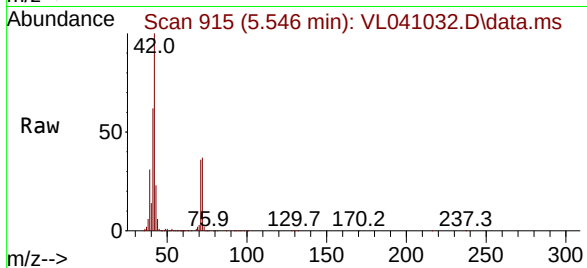
Tgt Ion: 88 Resp: 348620
Ion Ratio Lower Upper
88 100
58 124.5 96.6 144.8
43 257.2 191.0 286.6
57 1080.3 810.6 1216.0





#41
Tetrahydrofuran
Concen: 10.515 ppbv
RT: 5.546 min Scan# 915
Delta R.T. 0.003 min
Lab File: VL041032.D
Acq: 25 Jan 2024 16:34

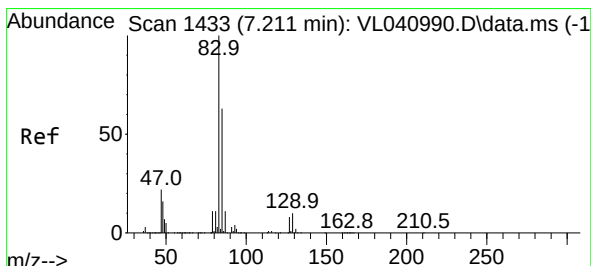
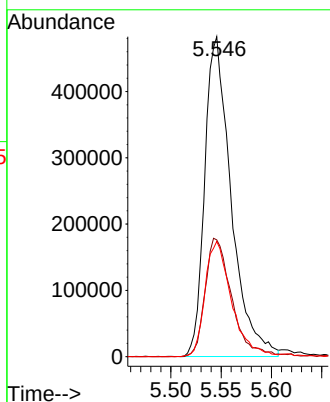
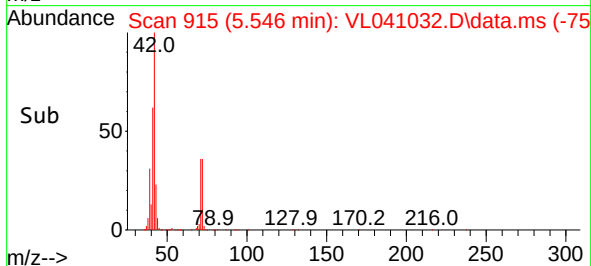
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC



Tgt Ion: 42 Resp: 881108
Ion Ratio Lower Upper
42 100
72 37.9 30.0 45.0
71 37.0 29.5 44.3

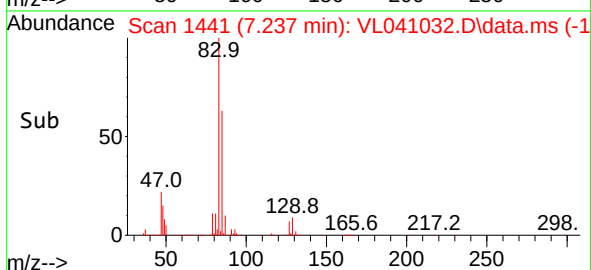
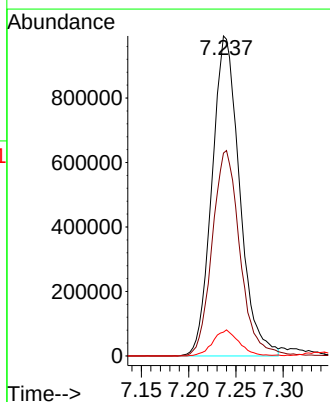
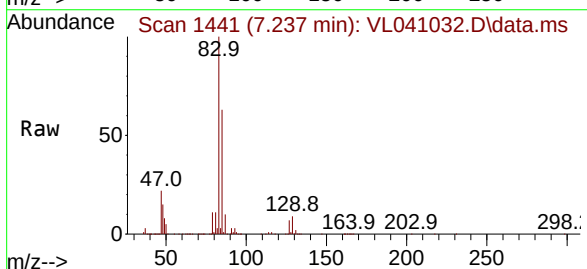
Manual Integrations
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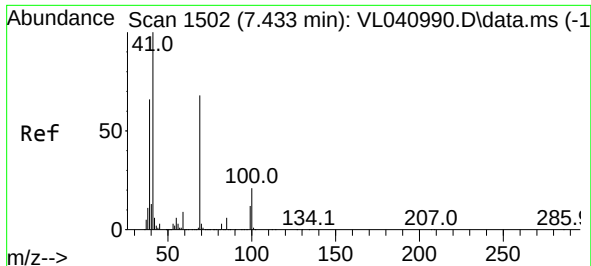
Reviewed By :Semsettin Yesilyurt 01/26/2024
Supervised By :Mahesh Dadoda 01/26/2024



#42
Bromodichloromethane
Concen: 10.818 ppbv
RT: 7.237 min Scan# 1441
Delta R.T. 0.000 min
Lab File: VL041032.D
Acq: 25 Jan 2024 16:34

Tgt Ion: 83 Resp: 2020951
Ion Ratio Lower Upper
83 100
85 63.4 50.5 75.7
127 7.4 6.4 9.6





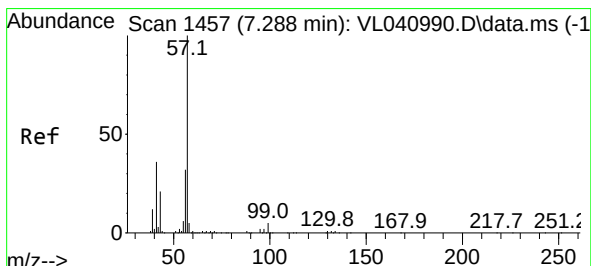
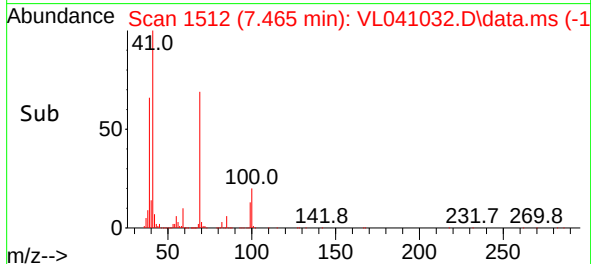
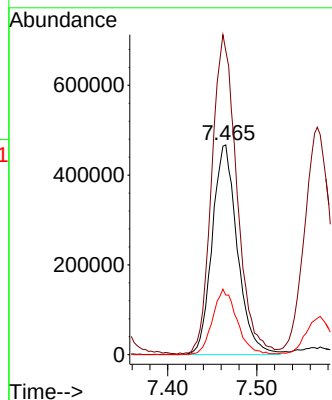
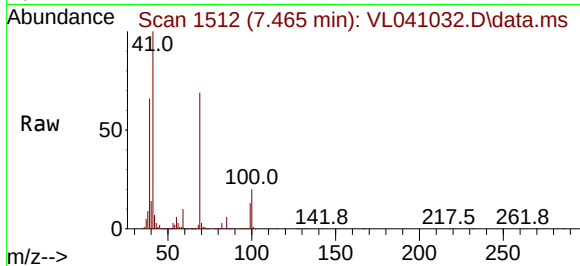
#43
Methyl Methacrylate
Concen: 11.094 ppbv
RT: 7.465 min Scan# 1512
Delta R.T. 0.003 min
Lab File: VL041032.D
Acq: 25 Jan 2024 16:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 69 Resp: 915938
Ion Ratio Lower Upper
69 100
41 152.7 120.2 180.2
100 30.3 24.6 36.8

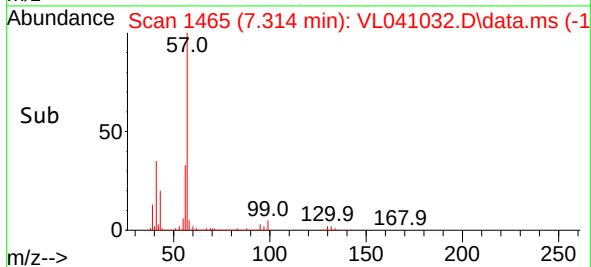
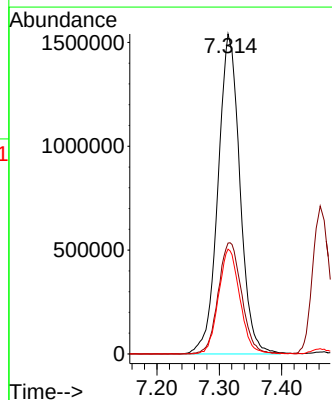
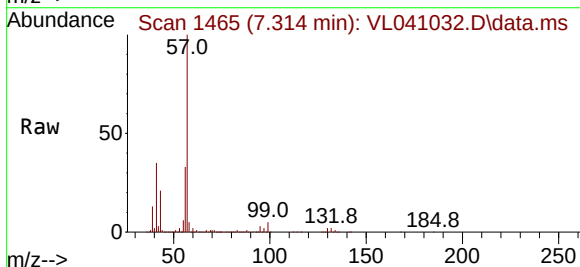
Manual Integrations
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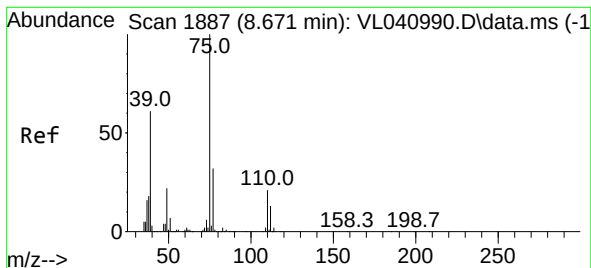
Reviewed By :Semsettin Yesilyurt 01/26/2024
Supervised By :Mahesh Dadoda 01/26/2024



#44
2,2,4-Trimethylpentane
Concen: 10.443 ppbv
RT: 7.314 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VL041032.D
Acq: 25 Jan 2024 16:34

Tgt Ion: 57 Resp: 3759501
Ion Ratio Lower Upper
57 100
41 37.2 28.6 43.0
56 32.0 25.2 37.8





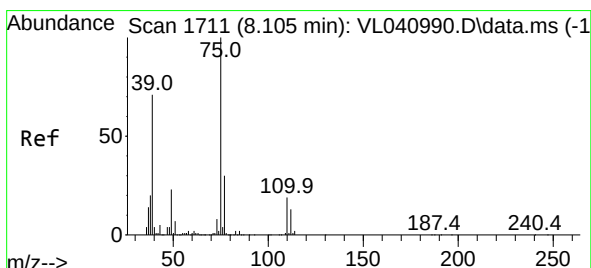
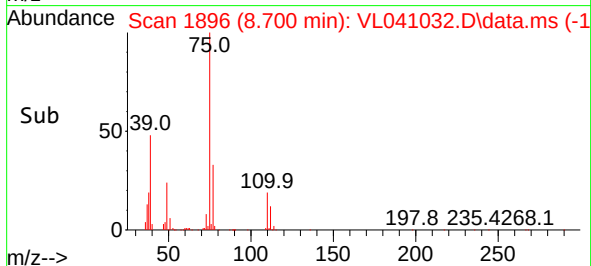
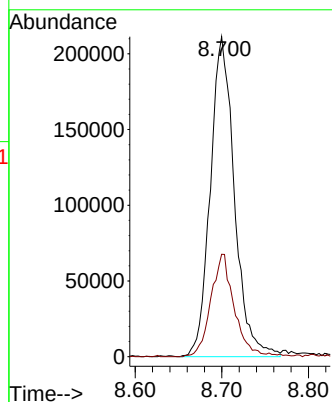
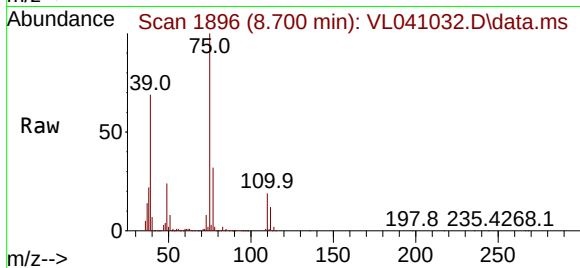
#45
t-1,3-Dichloropropene
Concen: 7.245 ppbv
RT: 8.700 min Scan# 11
Delta R.T. 0.003 min
Lab File: VL041032.D
Acq: 25 Jan 2024 16:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 75 Resp: 40869
Ion Ratio Lower Upper
75 100
77 32.0 25.3 37.9

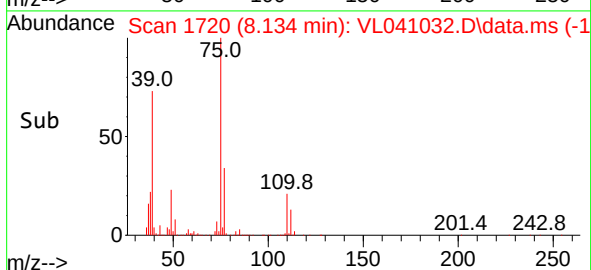
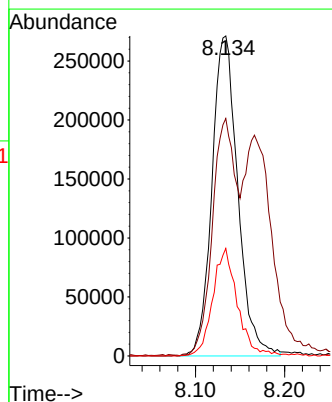
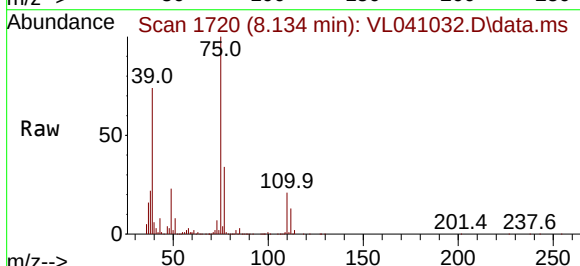
Manual Integrations
APPROVED

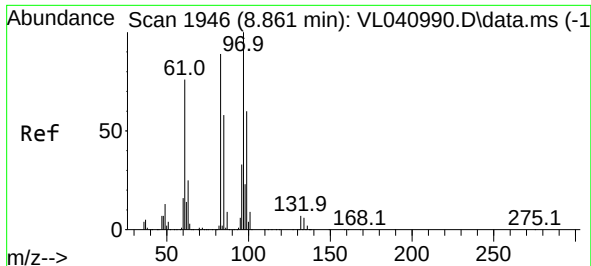
Reviewed By :Semsettin Yesilyurt 01/26/2024
Supervised By :Mahesh Dadoda 01/26/2024



#46
cis-1,3-Dichloropropene
Concen: 7.769 ppbv
RT: 8.134 min Scan# 1720
Delta R.T. 0.003 min
Lab File: VL041032.D
Acq: 25 Jan 2024 16:34

Tgt Ion: 75 Resp: 546563
Ion Ratio Lower Upper
75 100
39 74.1 57.3 85.9
77 33.5 24.3 36.5





#47

1,1,2-Trichloroethane

Concen: 10.433 ppbv

RT: 8.886 min Scan# 1946

Delta R.T. -0.003 min

Lab File: VL041032.D

Acq: 25 Jan 2024 16:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 97 Resp: 947809

Ion Ratio Lower Upper

97 100

83 92.2 71.5 107.3

85 59.3 46.1 69.1

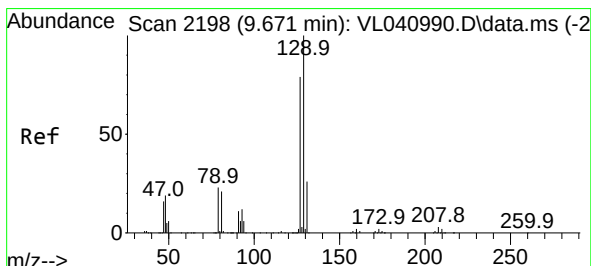
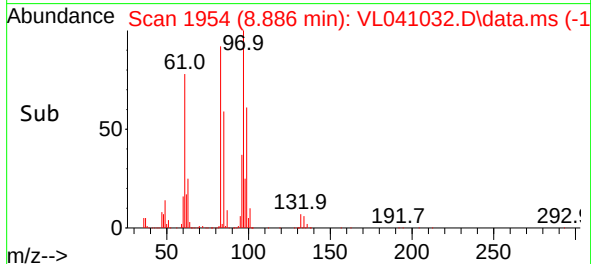
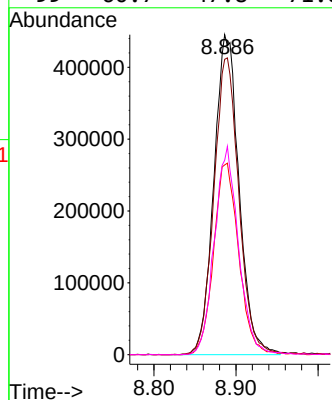
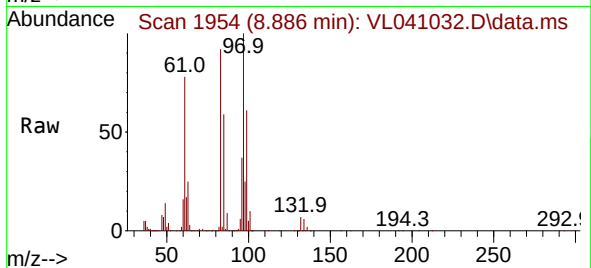
99 60.7 47.8 71.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 01/26/2024

Supervised By :Mahesh Dadoda 01/26/2024



#48

Dibromochloromethane

Concen: 10.872 ppbv

RT: 9.697 min Scan# 2206

Delta R.T. 0.000 min

Lab File: VL041032.D

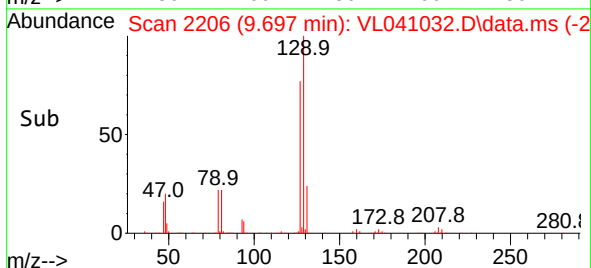
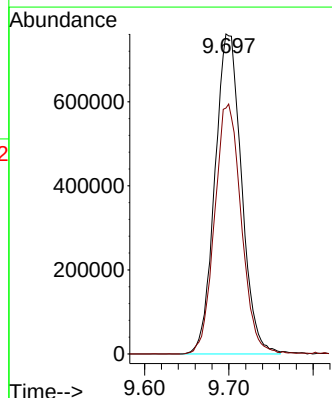
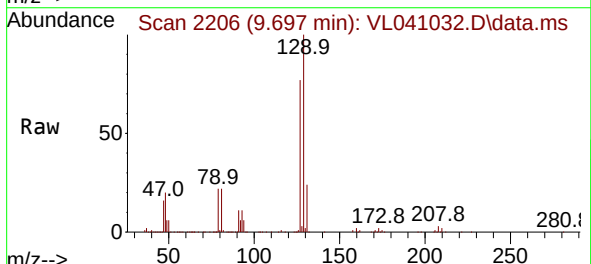
Acq: 25 Jan 2024 16:34

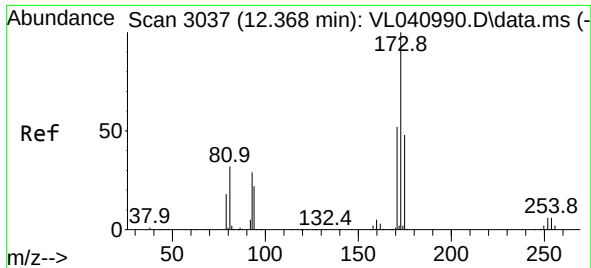
Tgt Ion:129 Resp: 1669806

Ion Ratio Lower Upper

129 100

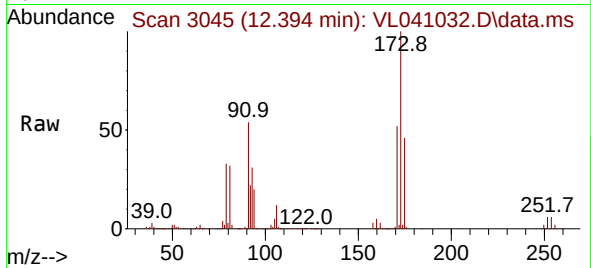
127 78.4 39.6 119.0





#49
Bromoform
Concen: 11.694 ppbv
RT: 12.394 min Scan# 3037
Delta R.T. 0.003 min
Lab File: VL041032.D
Acq: 25 Jan 2024 16:34

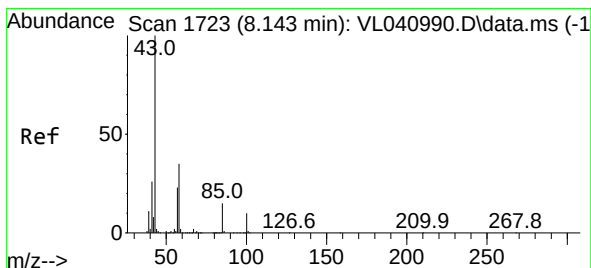
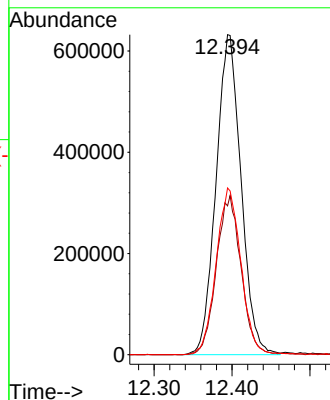
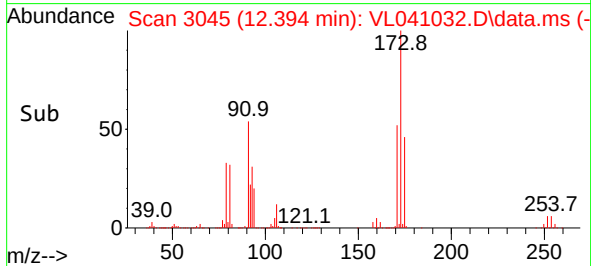
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC



Tgt Ion: 173 Resp: 140890
Ion Ratio Lower Upper
173 100
175 49.4 39.0 58.4
171 51.9 42.0 63.0

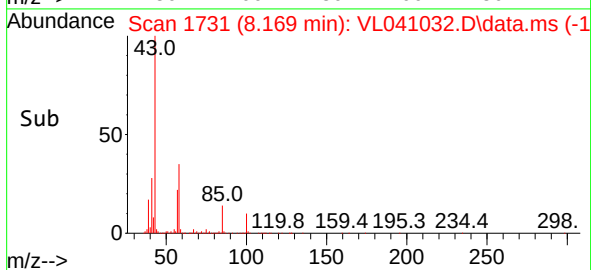
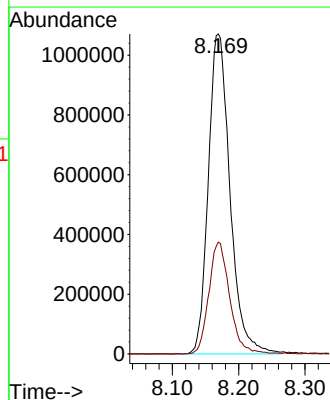
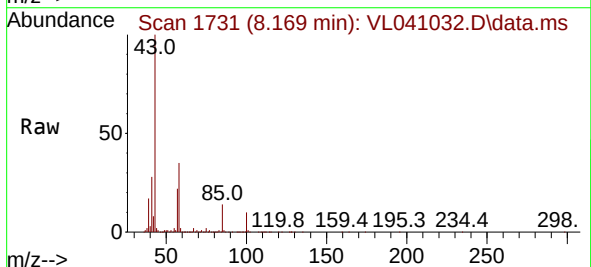
Manual Integrations
APPROVED

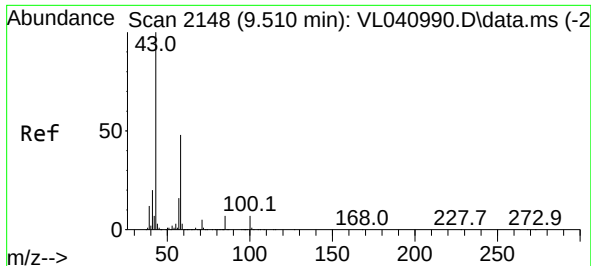
Reviewed By :Semsettin Yesilyurt 01/26/2024
Supervised By :Mahesh Dadoda 01/26/2024



#50
4-Methyl-2-Pentanone
Concen: 11.189 ppbv
RT: 8.169 min Scan# 1731
Delta R.T. 0.000 min
Lab File: VL041032.D
Acq: 25 Jan 2024 16:34

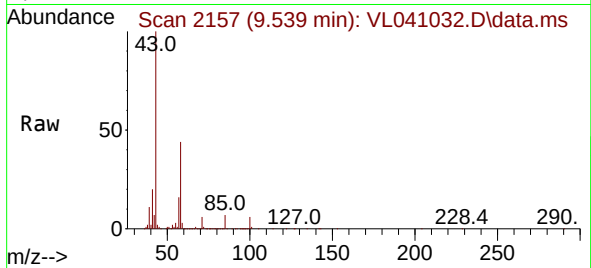
Tgt Ion: 43 Resp: 2431896
Ion Ratio Lower Upper
43 100
58 33.9 27.8 41.8





#51
2-Hexanone
Concen: 10.980 ppbv
RT: 9.539 min Scan# 2148
Delta R.T. 0.003 min
Lab File: VL041032.D
Acq: 25 Jan 2024 16:34

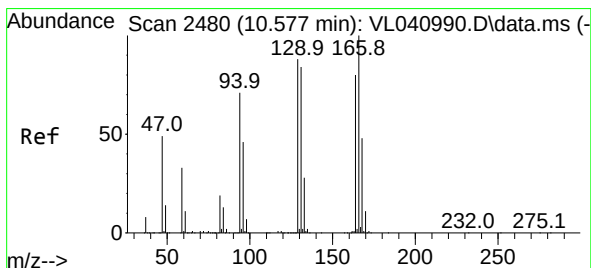
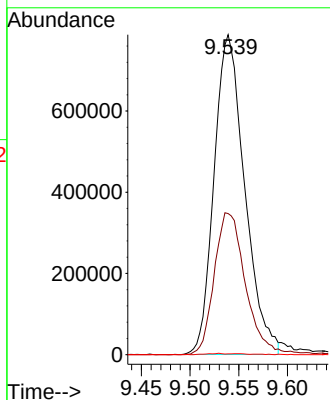
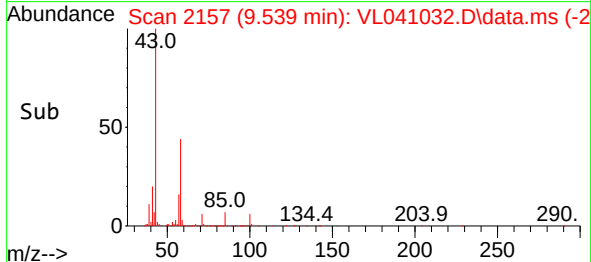
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC



Tgt Ion: 43 Resp: 172027
Ion Ratio Lower Upper
43 100
58 45.6 36.8 55.2
98 0.5 0.3 0.5

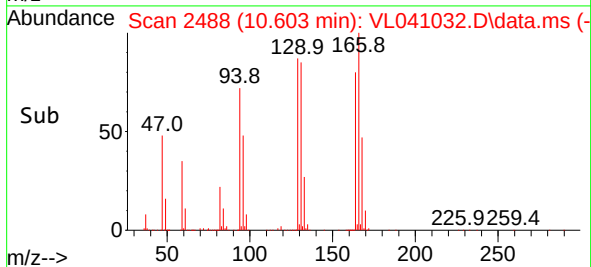
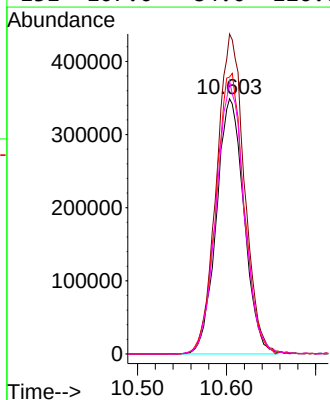
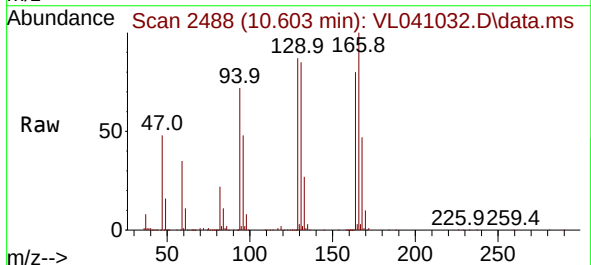
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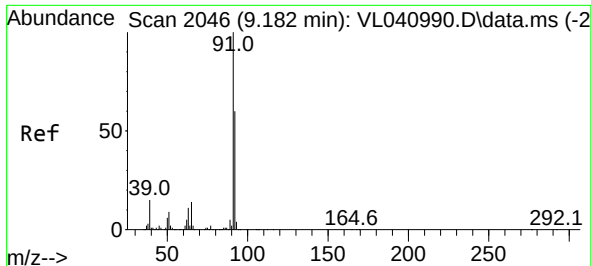
Reviewed By :Semsettin Yesilyurt 01/26/2024
Supervised By :Mahesh Dadoda 01/26/2024



#52
Tetrachloroethene
Concen: 10.578 ppbv
RT: 10.603 min Scan# 2488
Delta R.T. 0.000 min
Lab File: VL041032.D
Acq: 25 Jan 2024 16:34

Tgt Ion:164 Resp: 751576
Ion Ratio Lower Upper
164 100
166 125.4 100.2 150.2
129 108.5 87.9 131.9
131 107.0 84.0 126.0





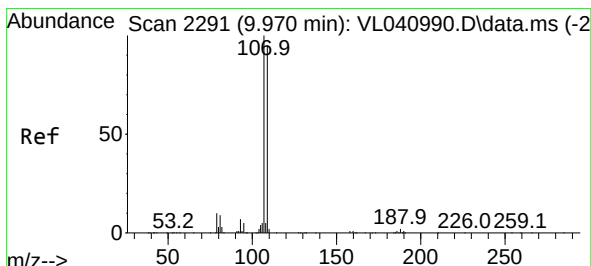
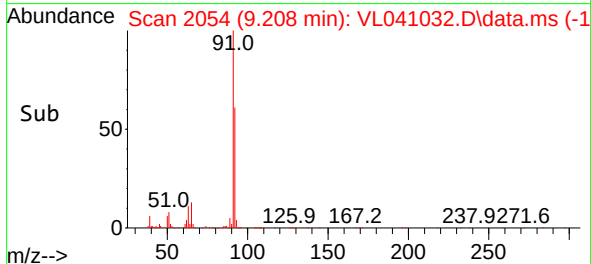
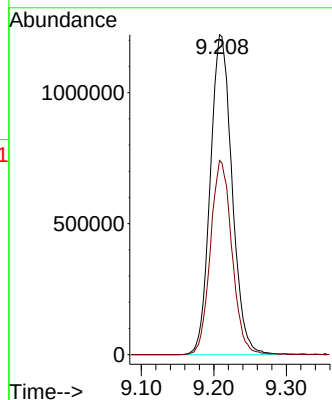
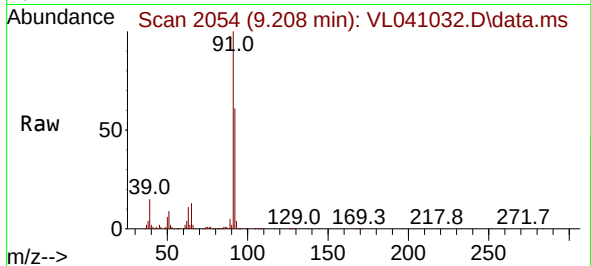
#53
Toluene
Concen: 10.856 ppbv
RT: 9.208 min Scan# 2046
Delta R.T. 0.000 min
Lab File: VL041032.D
Acq: 25 Jan 2024 16:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 91 Resp: 254433
Ion Ratio Lower Upper
91 100
92 60.2 48.6 72.8

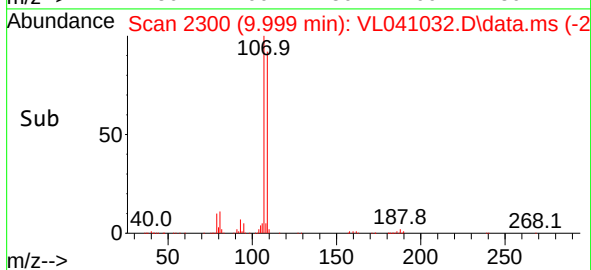
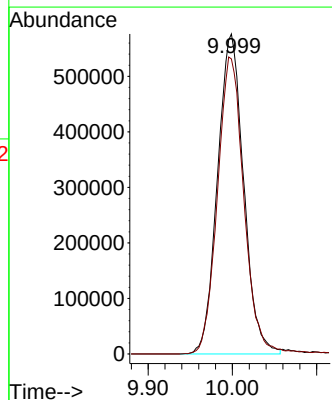
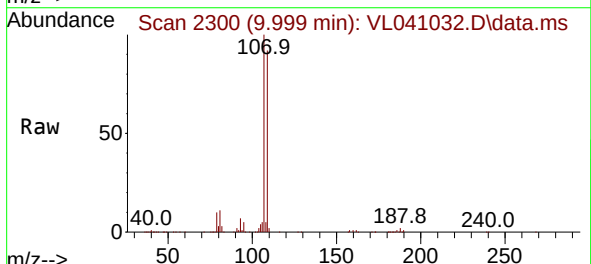
Manual Integrations
APPROVED

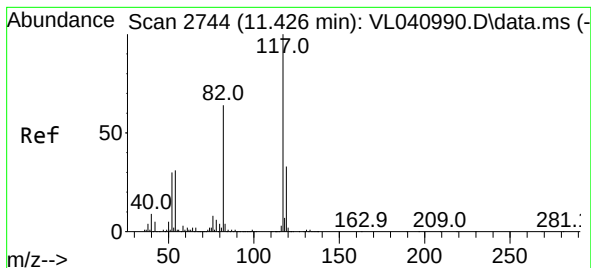
Reviewed By :Semsettin Yesilyurt 01/26/2024
Supervised By :Mahesh Dadoda 01/26/2024



#54
1,2-Dibromoethane
Concen: 10.062 ppbv
RT: 9.999 min Scan# 2300
Delta R.T. 0.003 min
Lab File: VL041032.D
Acq: 25 Jan 2024 16:34

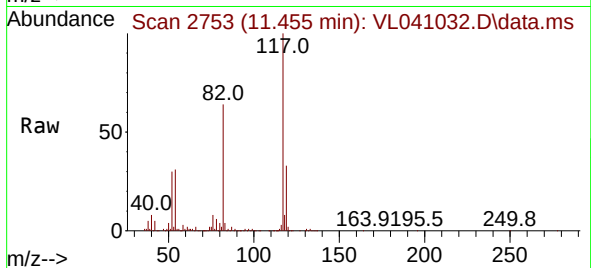
Tgt Ion:107 Resp: 1237934
Ion Ratio Lower Upper
107 100
109 92.2 76.1 114.1





#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 11.455 min Scan# 21
Delta R.T. 0.000 min
Lab File: VL041032.D
Acq: 25 Jan 2024 16:34

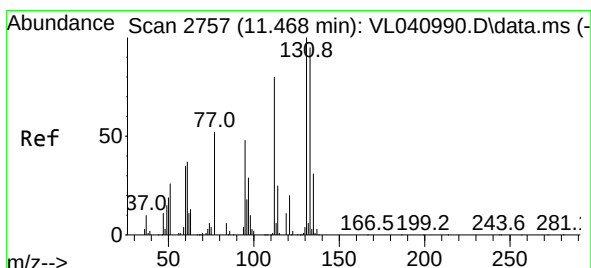
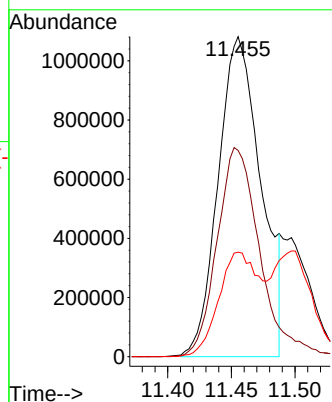
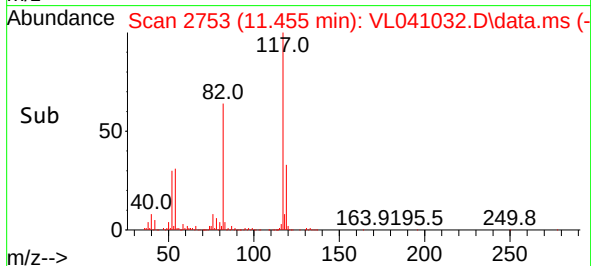
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC



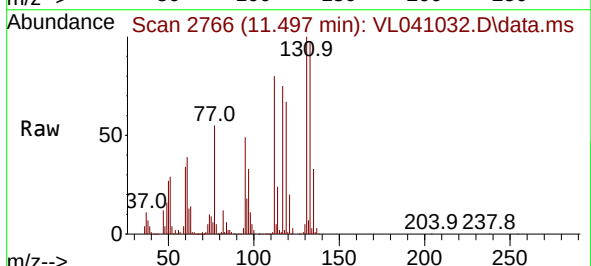
Tgt Ion:117 Resp: 253010
Ion Ratio Lower Upper
117 100
82 65.7 51.7 77.5
119 29.8 23.8 35.6

Manual Integrations
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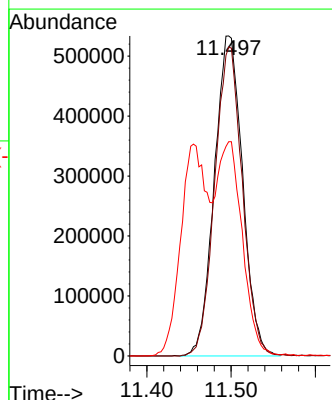
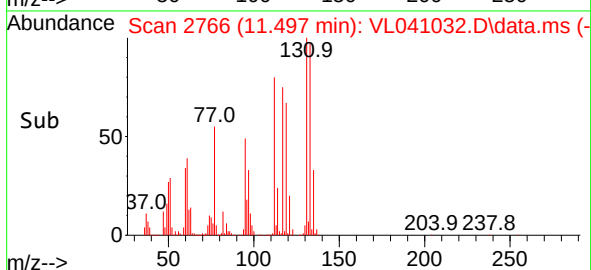
Reviewed By :Semsettin Yesilyurt 01/26/2024
Supervised By :Mahesh Dadoda 01/26/2024

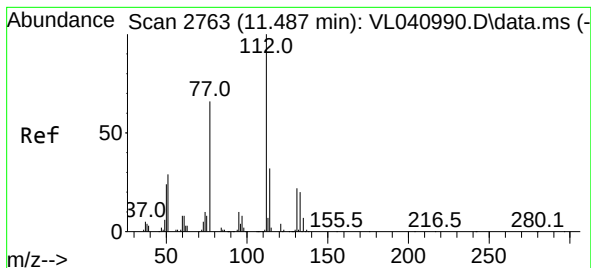


#56
1,1,1,2-Tetrachloroethane
Concen: 10.208 ppbv
RT: 11.497 min Scan# 2766
Delta R.T. 0.003 min
Lab File: VL041032.D
Acq: 25 Jan 2024 16:34



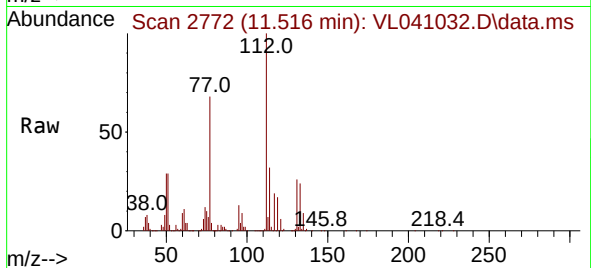
Tgt Ion:131 Resp: 1239220
Ion Ratio Lower Upper
131 100
133 94.7 75.9 113.9
119 64.5 49.2 73.8





#57
Chlorobenzene
Concen: 9.684 ppbv
RT: 11.516 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL041032.D
Acq: 25 Jan 2024 16:34

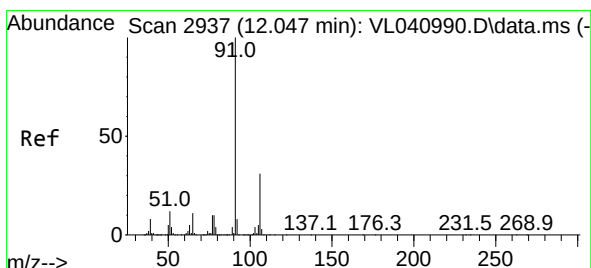
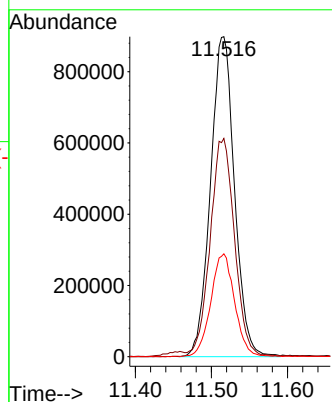
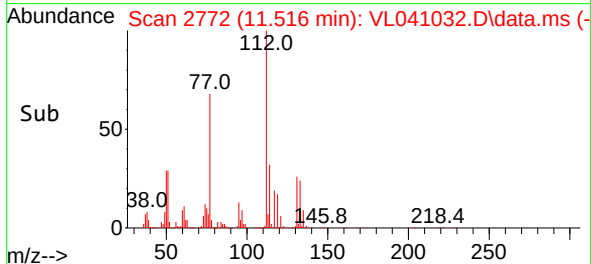
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC



Tgt Ion:112 Resp: 1970970
Ion Ratio Lower Upper
112 100
77 67.9 53.4 80.0
114 32.1 29.1 35.5

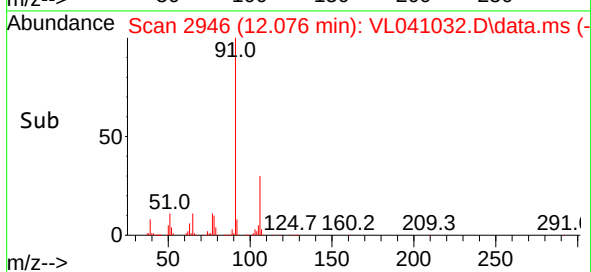
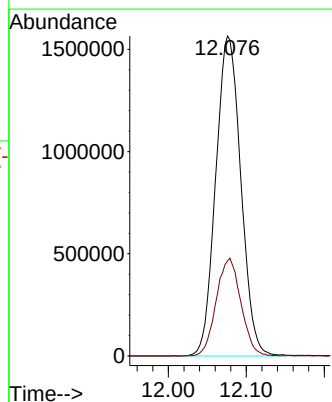
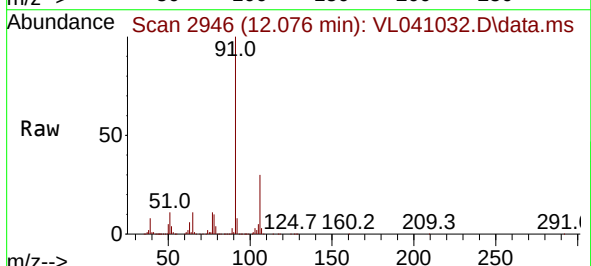
Manual Integrations
APPROVED

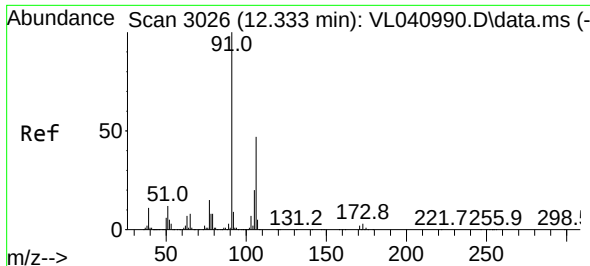
Reviewed By :Semsettin Yesilyurt 01/26/2024
Supervised By :Mahesh Dadoda 01/26/2024



#58
Ethyl Benzene
Concen: 10.299 ppbv
RT: 12.076 min Scan# 2946
Delta R.T. 0.000 min
Lab File: VL041032.D
Acq: 25 Jan 2024 16:34

Tgt Ion: 91 Resp: 3499202
Ion Ratio Lower Upper
91 100
106 29.7 24.8 37.2





#59

m/p-Xylene

Concen: 20.364 ppbv m

RT: 12.362 min Scan# 3026

Delta R.T. 0.003 min

Lab File: VL041032.D

Acq: 25 Jan 2024 16:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 91 Resp: 603232

Ion Ratio Lower Upper

91 100

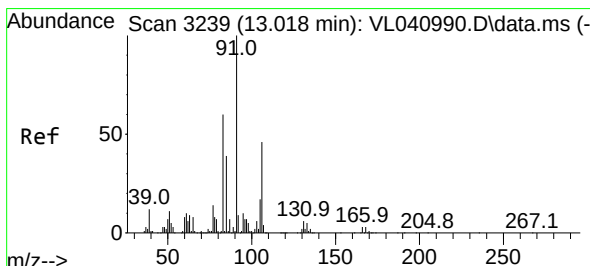
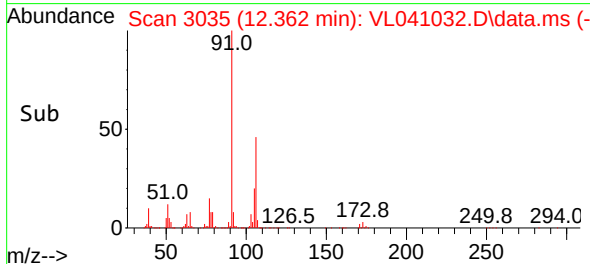
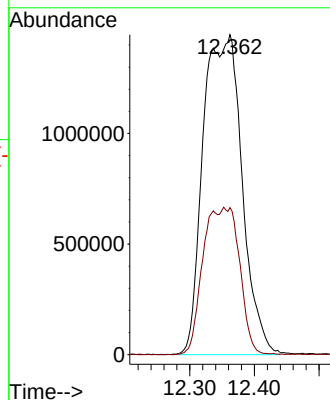
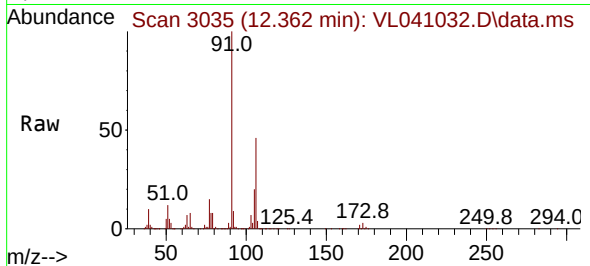
106 43.5 34.9 52.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 01/26/2024

Supervised By :Mahesh Dadoda 01/26/2024



#60

o-Xylene

Concen: 10.290 ppbv

RT: 13.044 min Scan# 3247

Delta R.T. 0.000 min

Lab File: VL041032.D

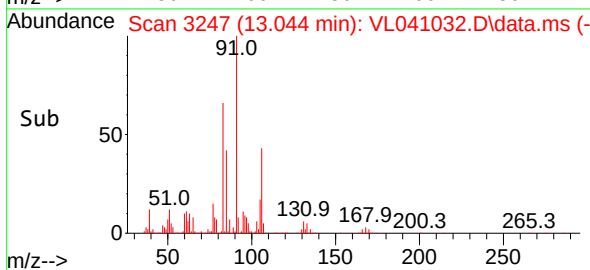
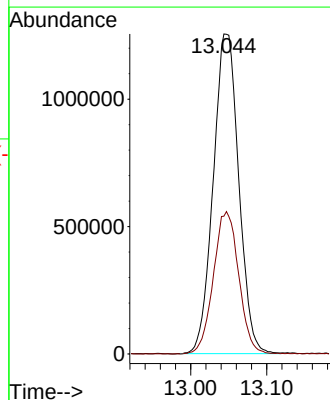
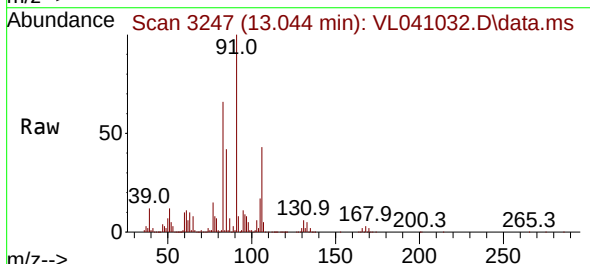
Acq: 25 Jan 2024 16:34

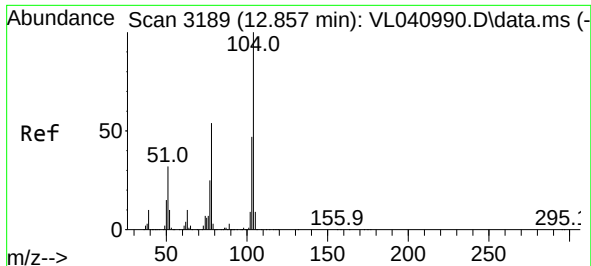
Tgt Ion: 91 Resp: 2924665

Ion Ratio Lower Upper

91 100

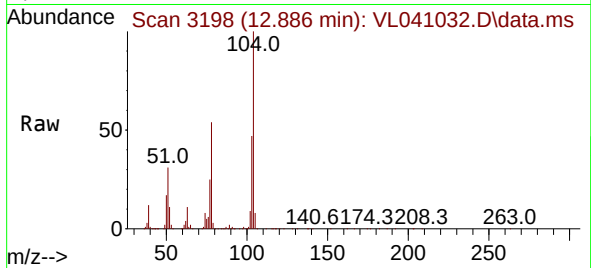
106 44.2 22.6 67.7





#61
Styrene
Concen: 10.936 ppbv
RT: 12.886 min Scan# 3189
Delta R.T. 0.003 min
Lab File: VL041032.D
Acq: 25 Jan 2024 16:34

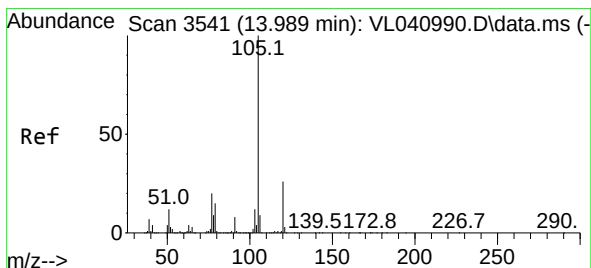
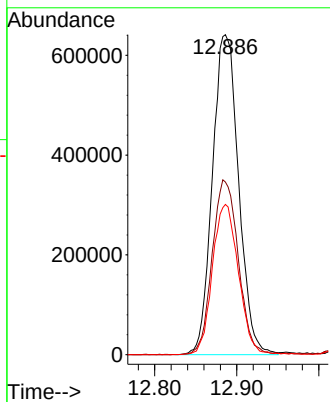
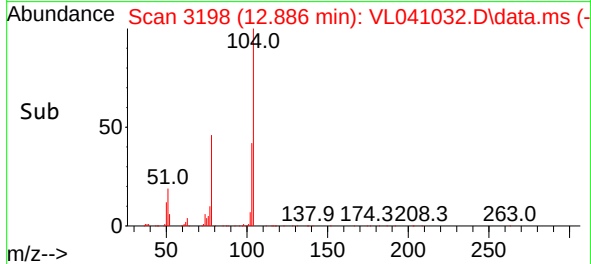
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC



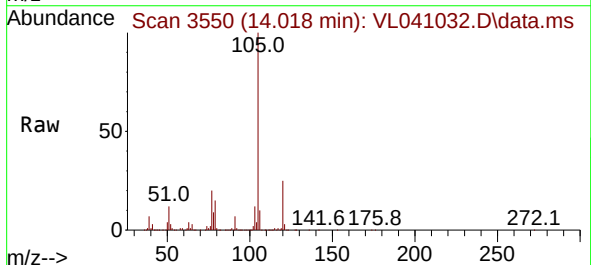
Tgt Ion:104 Resp: 142726
Ion Ratio Lower Upper
104 100
78 54.3 42.7 64.1
103 46.8 37.6 56.4

Manual Integrations
APPROVED

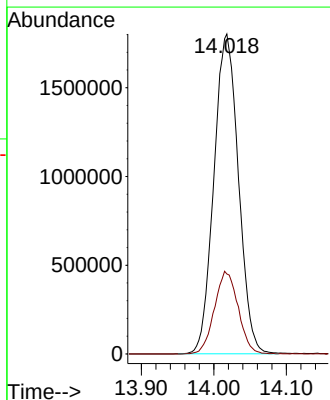
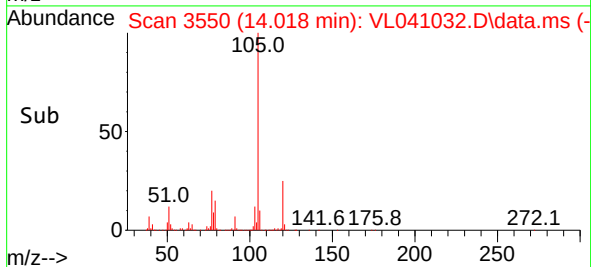
Reviewed By :Semsettin Yesilyurt 01/26/2024
Supervised By :Mahesh Dadoda 01/26/2024

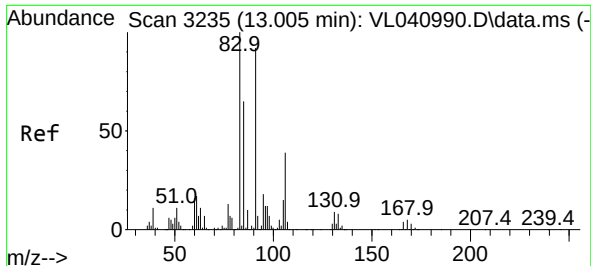


#62
Isopropylbenzene
Concen: 10.080 ppbv
RT: 14.018 min Scan# 3550
Delta R.T. 0.003 min
Lab File: VL041032.D
Acq: 25 Jan 2024 16:34



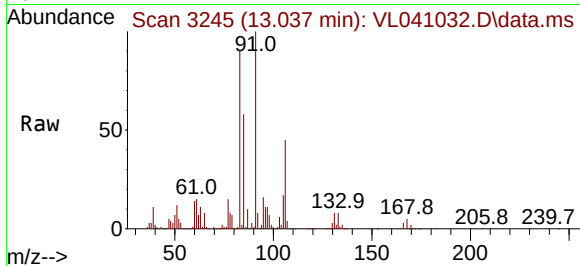
Tgt Ion:105 Resp: 4236644
Ion Ratio Lower Upper
105 100
120 25.0 20.9 31.3





#63
1,1,2,2-Tetrachloroethane
Concen: 9.848 ppbv
RT: 13.037 min Scan# 31
Delta R.T. 0.003 min
Lab File: VL041032.D
Acq: 25 Jan 2024 16:34

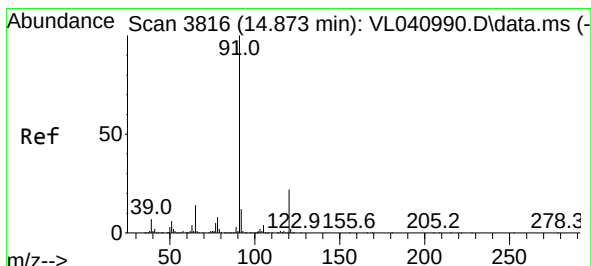
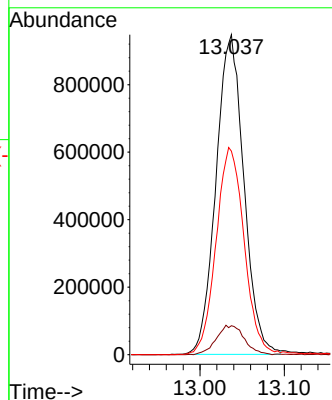
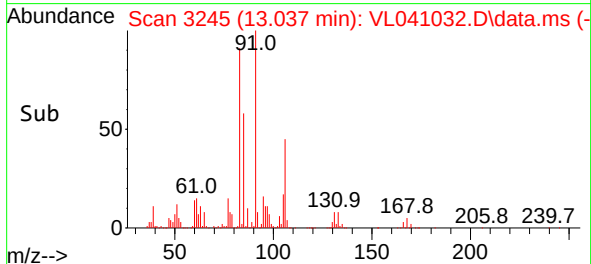
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC



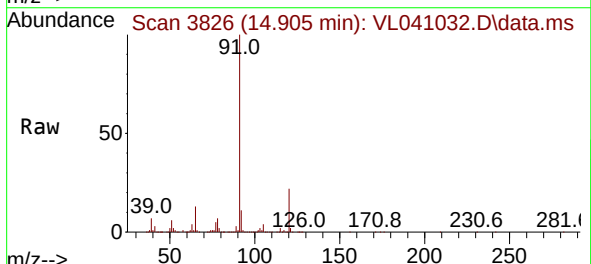
Tgt Ion: 83 Resp: 2175250
Ion Ratio Lower Upper
83 100
131 9.4 4.6 13.8
85 66.2 33.0 99.0

Manual Integrations
APPROVED

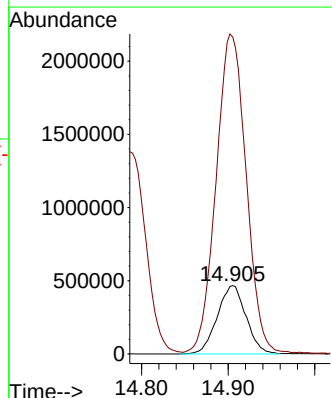
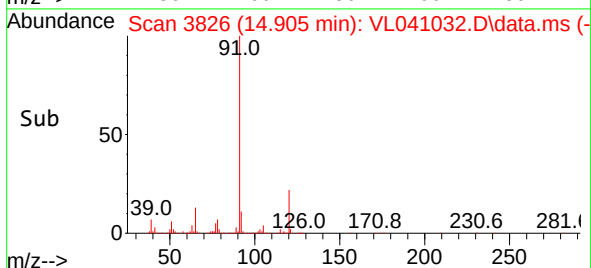
Reviewed By :Semsettin Yesilyurt 01/26/2024
Supervised By :Mahesh Dadoda 01/26/2024

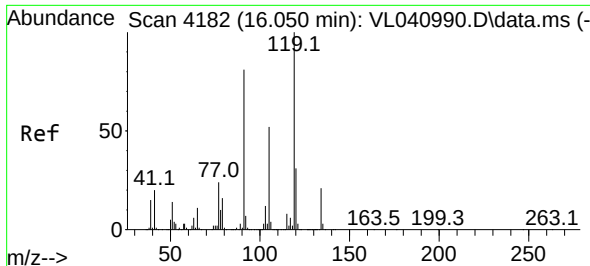


#64
n-propylbenzene
Concen: 10.150 ppbv
RT: 14.905 min Scan# 3826
Delta R.T. 0.003 min
Lab File: VL041032.D
Acq: 25 Jan 2024 16:34



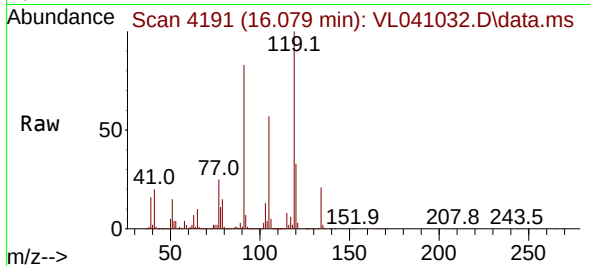
Tgt Ion:120 Resp: 1077866
Ion Ratio Lower Upper
120 100
91 491.5 390.6 585.8





#65
tert-Butylbenzene
Concen: 10.064 ppbv
RT: 16.079 min Scan# 4182
Delta R.T. 0.003 min
Lab File: VL041032.D
Acq: 25 Jan 2024 16:34

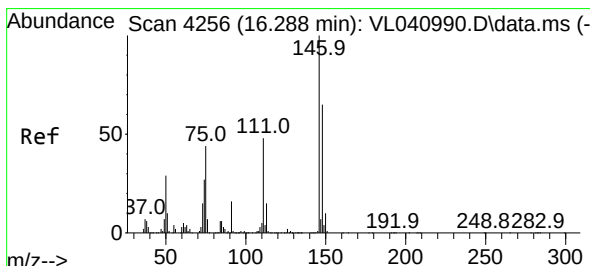
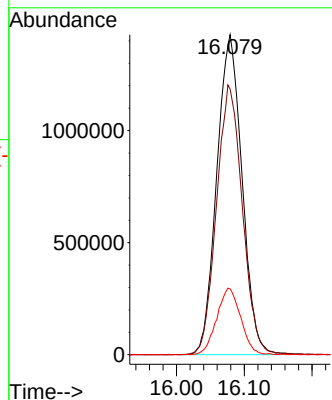
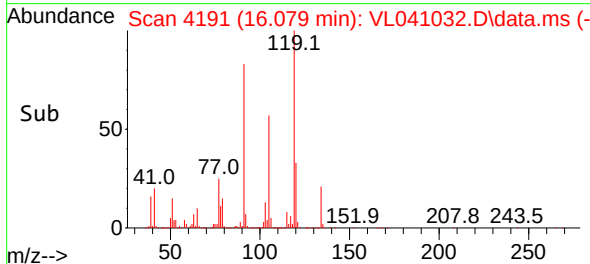
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC



Tgt Ion:119 Resp: 3695652
Ion Ratio Lower Upper
119 100
91 86.2 67.6 101.4
134 19.8 16.1 24.1

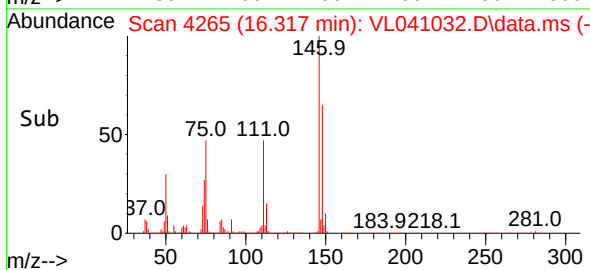
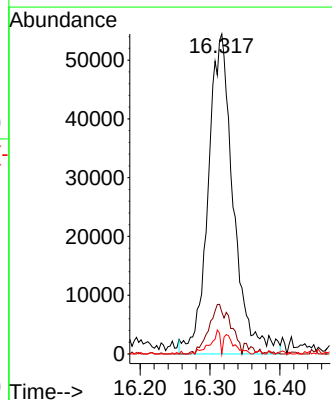
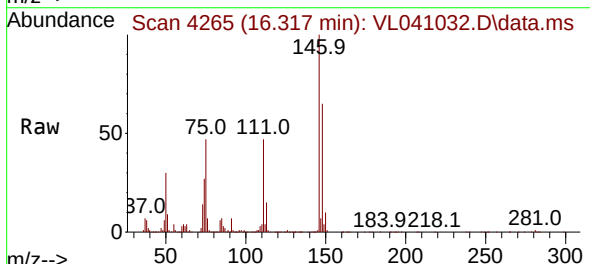
Manual Integrations
APPROVED

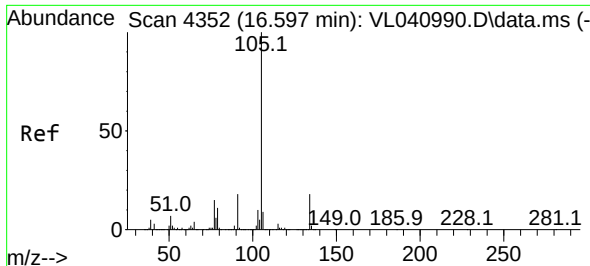
Reviewed By :Semsettin Yesilyurt 01/26/2024
Supervised By :Mahesh Dadoda 01/26/2024



#66
Benzyl Chloride
Concen: 5.702 ppbv m
RT: 16.317 min Scan# 4265
Delta R.T. 0.003 min
Lab File: VL041032.D
Acq: 25 Jan 2024 16:34

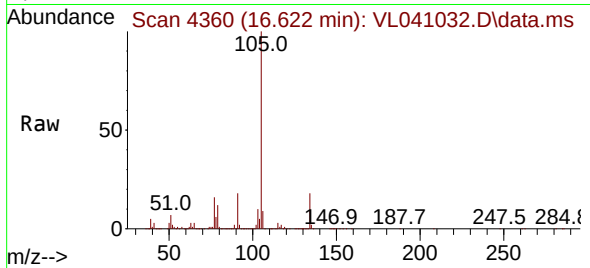
Tgt Ion: 91 Resp: 137215
Ion Ratio Lower Upper
91 100
126 14.6 13.6 20.4
128 5.7 4.2 6.2





#67
 sec-Butylbenzene
 Concen: 9.898 ppbv
 RT: 16.622 min Scan# 41
 Delta R.T. 0.003 min
 Lab File: VL041032.D
 Acq: 25 Jan 2024 16:34

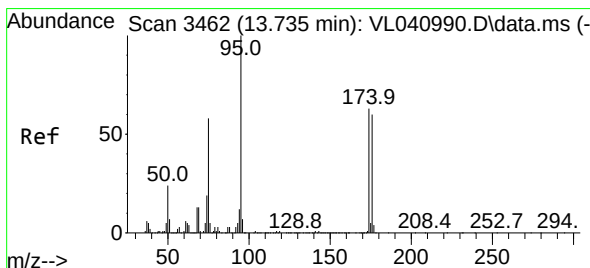
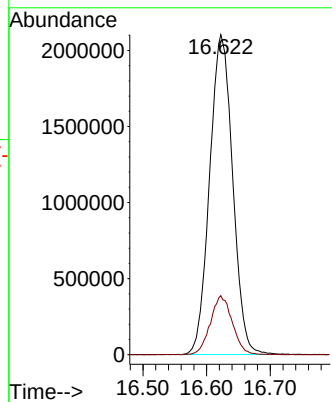
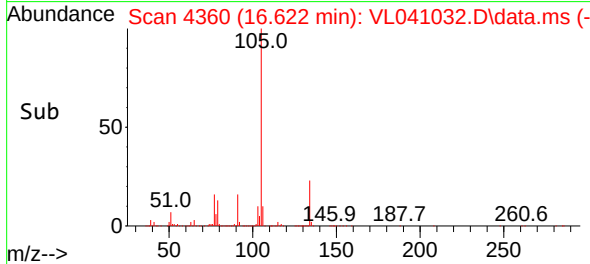
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC



Tgt Ion:105 Resp: 529269
 Ion Ratio Lower Upper
 105 100
 134 17.6 14.2 21.4

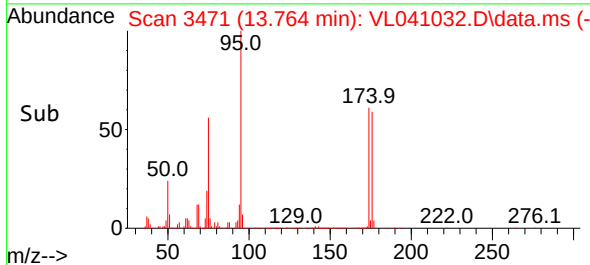
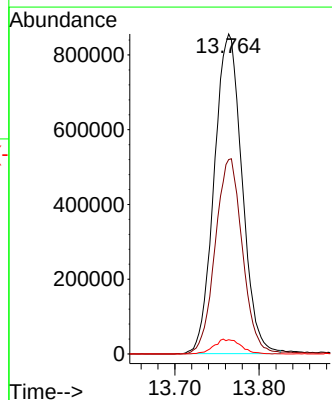
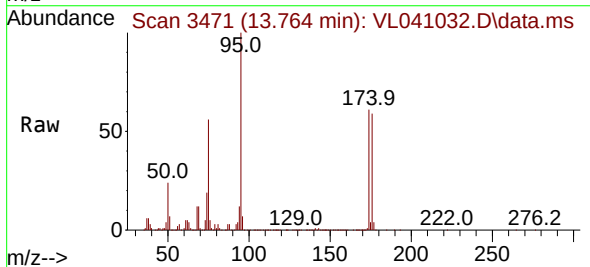
Manual Integrations
 APPROVED

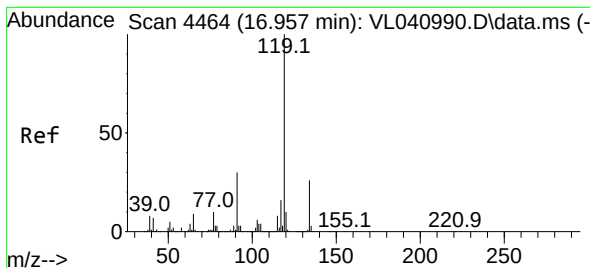
Reviewed By :Semsettin Yesilyurt 01/26/2024
 Supervised By :Mahesh Dadoda 01/26/2024



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.257 ppbv
 RT: 13.764 min Scan# 3471
 Delta R.T. 0.000 min
 Lab File: VL041032.D
 Acq: 25 Jan 2024 16:34

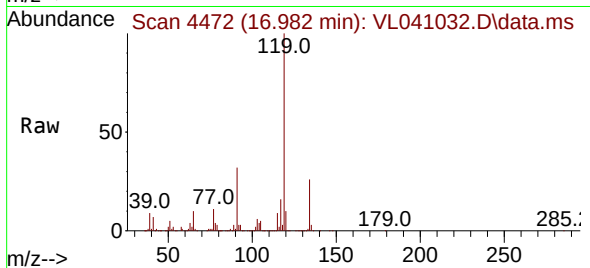
Tgt Ion: 95 Resp: 1960143
 Ion Ratio Lower Upper
 95 100
 174 60.5 49.1 73.7
 175 4.5 3.7 5.5





#69
p-Isopropyltoluene
Concen: 10.076 ppbv
RT: 16.982 min Scan# 4464
Delta R.T. 0.003 min
Lab File: VL041032.D
Acq: 25 Jan 2024 16:34

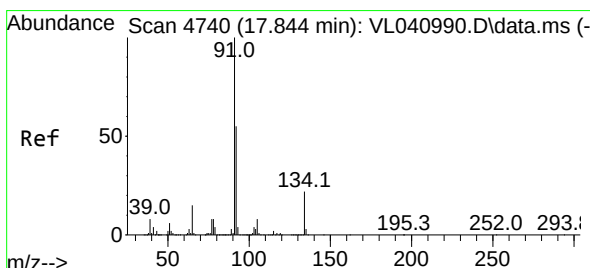
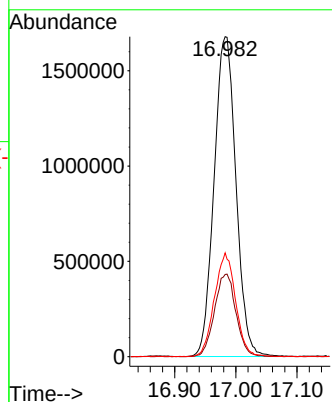
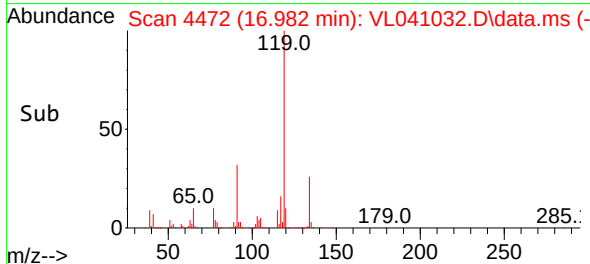
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC



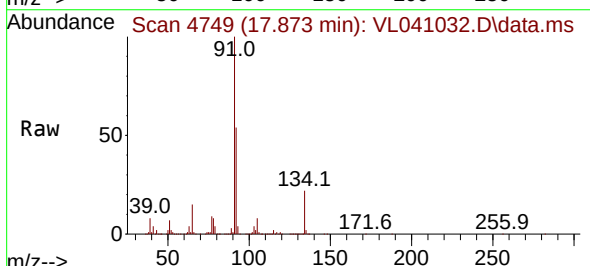
Tgt Ion:119 Resp: 4173629
Ion Ratio Lower Upper
119 100
134 25.4 20.6 30.8
91 31.3 24.5 36.7

Manual Integrations
APPROVED

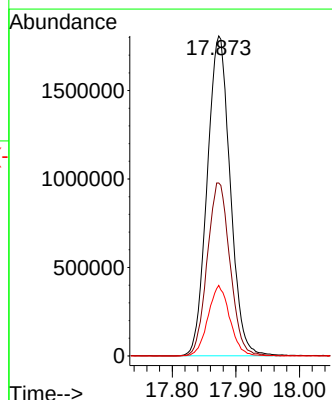
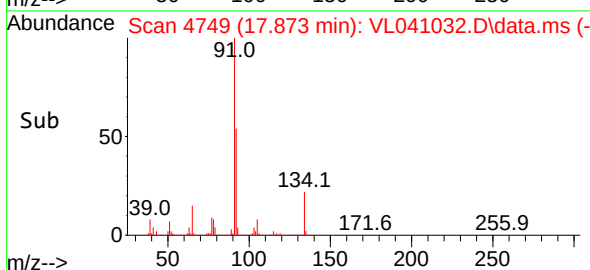
Reviewed By :Semsettin Yesilyurt 01/26/2024
Supervised By :Mahesh Dadoda 01/26/2024

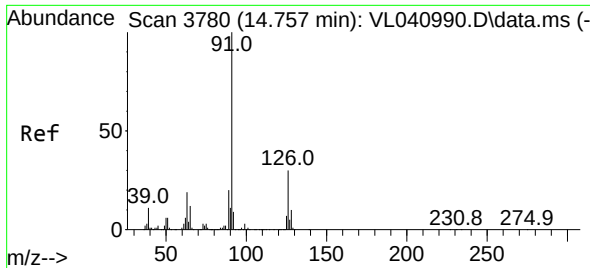


#70
n-Butylbenzene
Concen: 10.136 ppbv
RT: 17.873 min Scan# 4749
Delta R.T. 0.003 min
Lab File: VL041032.D
Acq: 25 Jan 2024 16:34



Tgt Ion: 91 Resp: 4536735
Ion Ratio Lower Upper
91 100
92 53.7 43.4 65.0
134 21.0 17.4 26.0





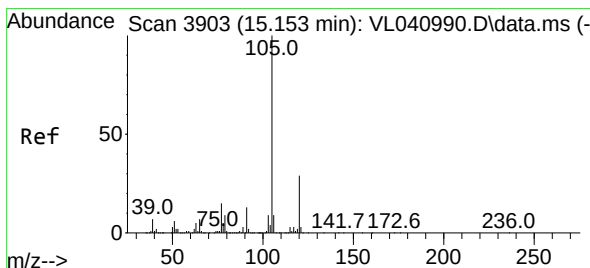
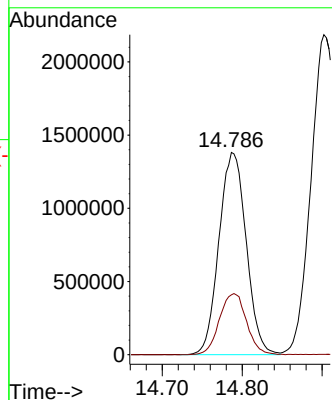
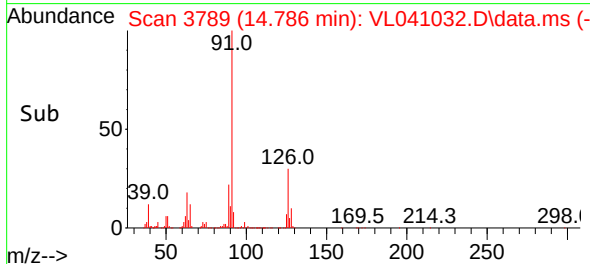
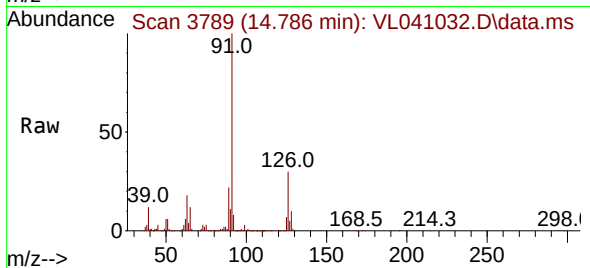
#71
2-Chlorotoluene
Concen: 10.082 ppbv
RT: 14.786 min Scan# 31
Delta R.T. 0.000 min
Lab File: VL041032.D
Acq: 25 Jan 2024 16:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 91 Resp: 3269750
Ion Ratio Lower Upper
91 100
126 30.1 12.3 49.1

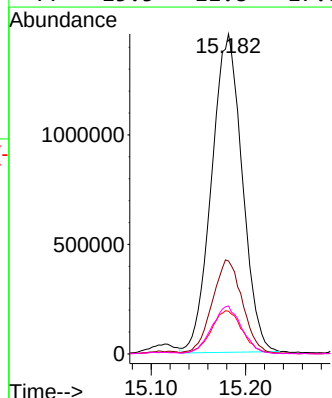
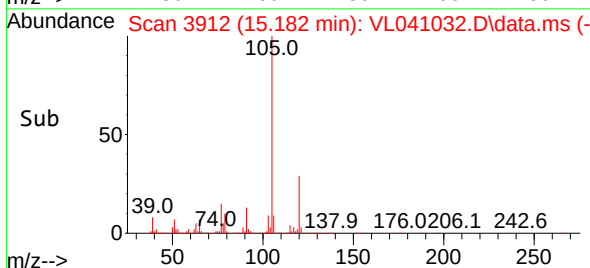
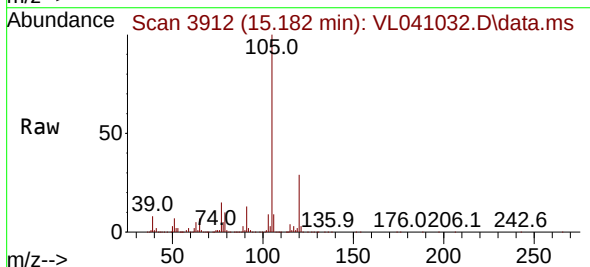
Manual Integrations
APPROVED

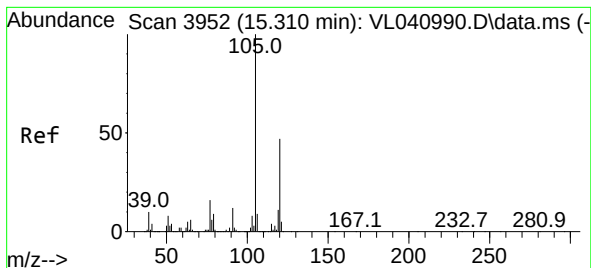
Reviewed By :Semsettin Yesilyurt 01/26/2024
Supervised By :Mahesh Dadoda 01/26/2024



#72
4-Ethyltoluene
Concen: 10.308 ppbv
RT: 15.182 min Scan# 3912
Delta R.T. 0.007 min
Lab File: VL041032.D
Acq: 25 Jan 2024 16:34

Tgt Ion:105 Resp: 3272083
Ion Ratio Lower Upper
105 100
120 29.5 24.3 36.5
91 14.4 11.0 16.4
77 15.5 11.8 17.8





#73

1,3,5-Trimethylbenzene

Concen: 10.133 ppbv

RT: 15.339 min Scan# 3952

Delta R.T. 0.000 min

Lab File: VL041032.D

Acq: 25 Jan 2024 16:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion:105 Resp: 285456

Ion Ratio Lower Upper

105 100

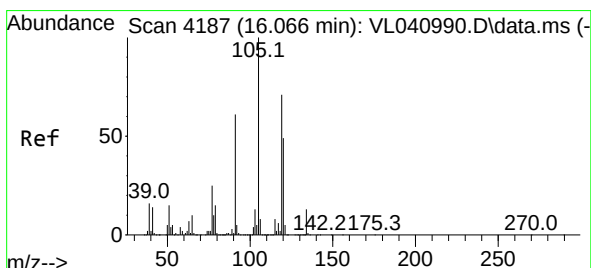
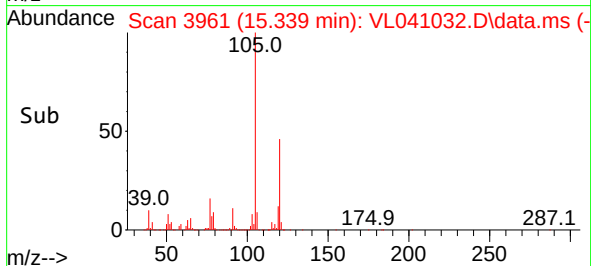
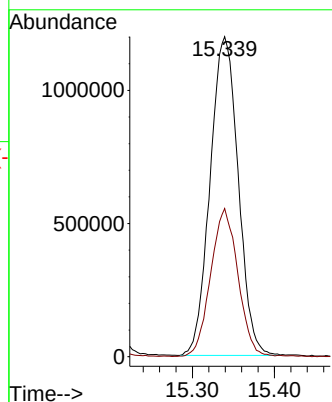
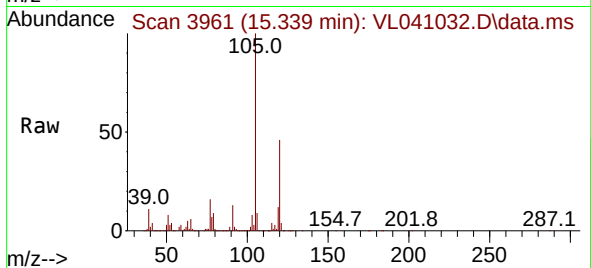
120 46.3 37.2 55.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 01/26/2024

Supervised By :Mahesh Dadoda 01/26/2024



#74

1,2,4-Trimethylbenzene

Concen: 9.918 ppbv

RT: 16.092 min Scan# 4195

Delta R.T. -0.003 min

Lab File: VL041032.D

Acq: 25 Jan 2024 16:34

Tgt Ion:105 Resp: 3167297

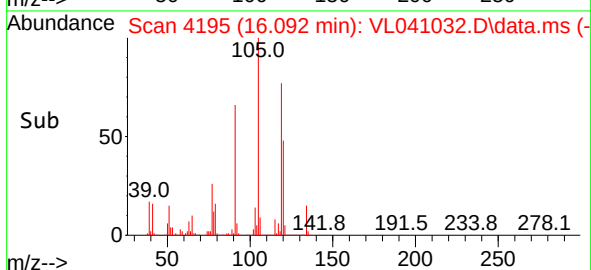
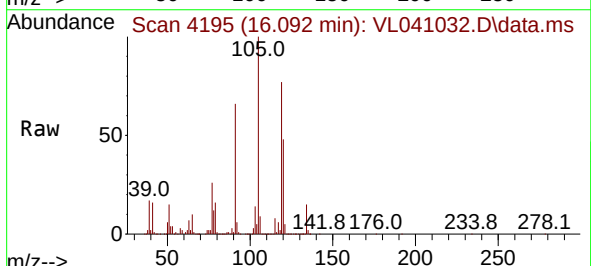
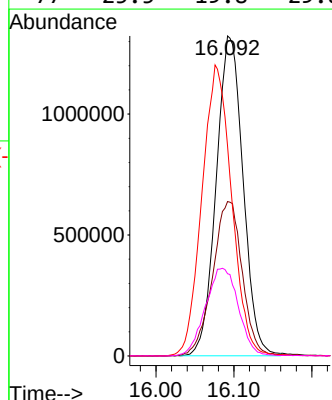
Ion Ratio Lower Upper

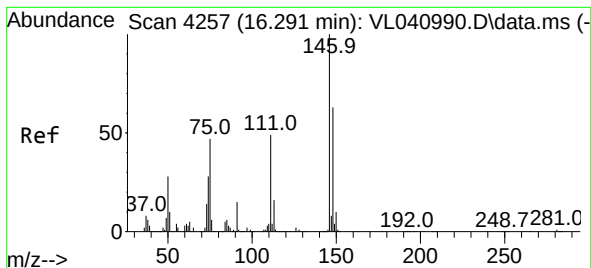
105 100

120 47.9 39.3 58.9

91 65.2 48.7 73.1

77 25.5 19.8 29.8





#75

1,3-Dichlorobenzene

Concen: 9.815 ppbv

RT: 16.320 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL041032.D

Acq: 25 Jan 2024 16:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion:146 Resp: 178388

Ion Ratio Lower Upper

146 100

111 48.3 24.4 73.2

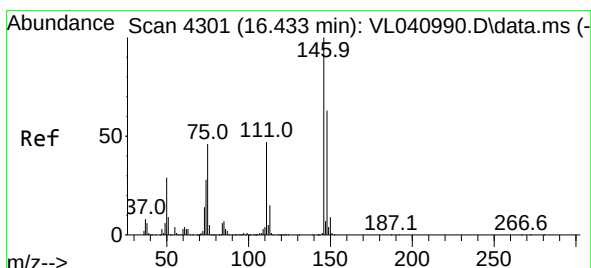
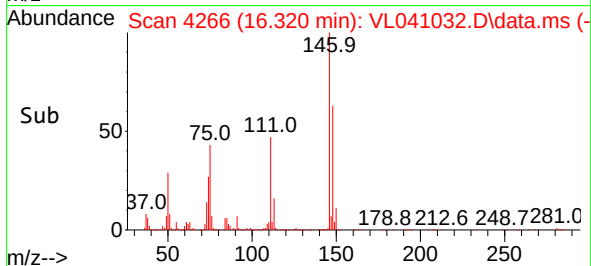
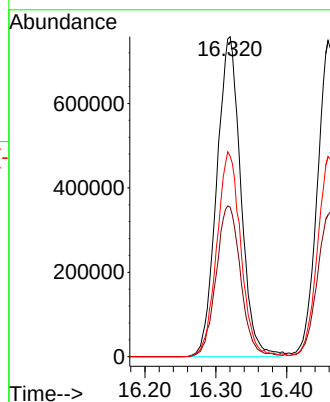
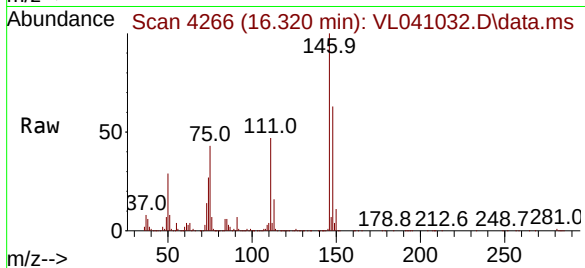
148 64.1 32.5 97.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 01/26/2024

Supervised By :Mahesh Dadoda 01/26/2024



#76

1,4-Dichlorobenzene

Concen: 9.548 ppbv

RT: 16.458 min Scan# 4309

Delta R.T. 0.000 min

Lab File: VL041032.D

Acq: 25 Jan 2024 16:34

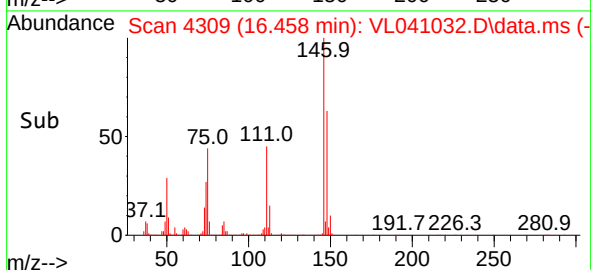
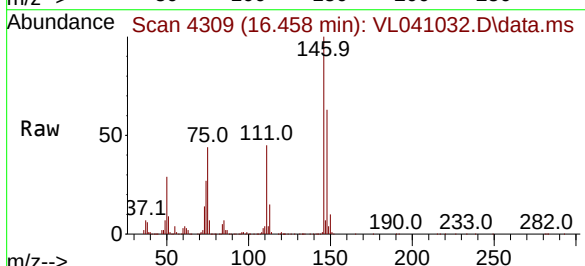
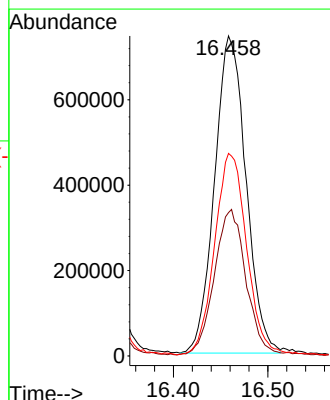
Tgt Ion:146 Resp: 1712445

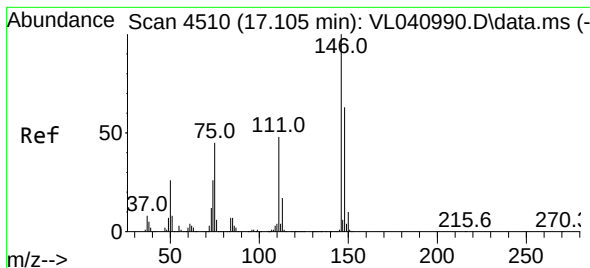
Ion Ratio Lower Upper

146 100

111 47.6 24.0 72.0

148 65.9 32.9 98.7





#77

1,2-Dichlorobenzene

Concen: 9.575 ppbv

RT: 17.127 min Scan# 41

Delta R.T. 0.000 min

Lab File: VL041032.D

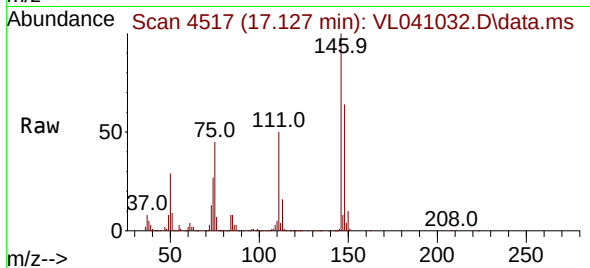
Acq: 25 Jan 2024 16:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC



Tgt Ion:146 Resp: 1729776

Ion Ratio Lower Upper

146 100

111 49.5 24.8 74.3

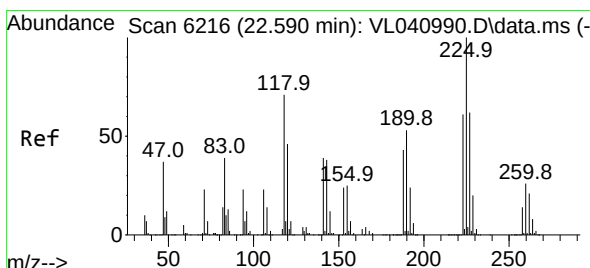
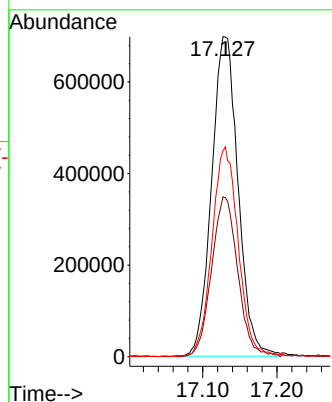
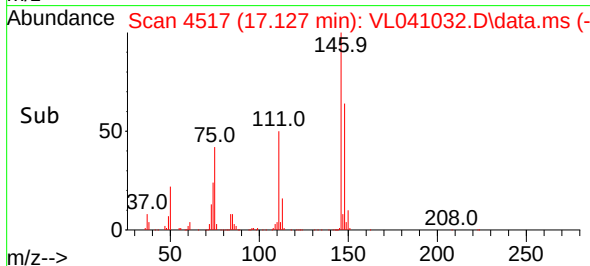
148 65.7 31.8 95.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 01/26/2024

Supervised By :Mahesh Dadoda 01/26/2024



#78

Hexachloro-1,3-Butadiene

Concen: 8.261 ppbv

RT: 22.616 min Scan# 6224

Delta R.T. 0.000 min

Lab File: VL041032.D

Acq: 25 Jan 2024 16:34

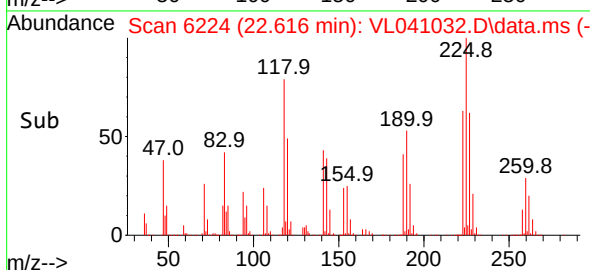
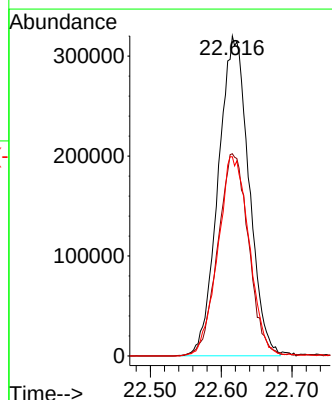
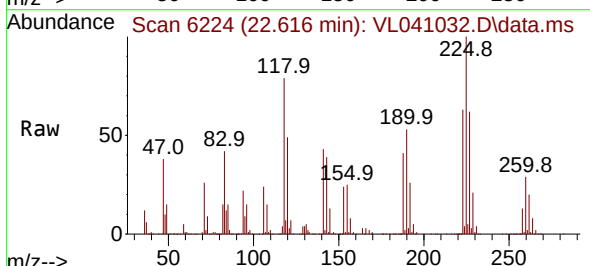
Tgt Ion:225 Resp: 962333

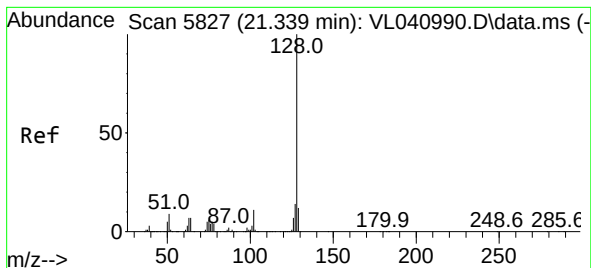
Ion Ratio Lower Upper

225 100

223 63.9 51.1 76.7

227 63.9 51.0 76.4





#79

Naphthalene

Concen: 11.575 ppbv

RT: 21.371 min Scan# 5837

Delta R.T. 0.007 min

Lab File: VL041032.D

Acq: 25 Jan 2024 16:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion:128 Resp: 210873

Ion Ratio Lower Upper

128 100

127 13.0 10.9 16.3

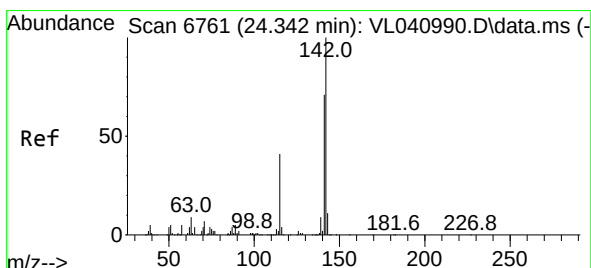
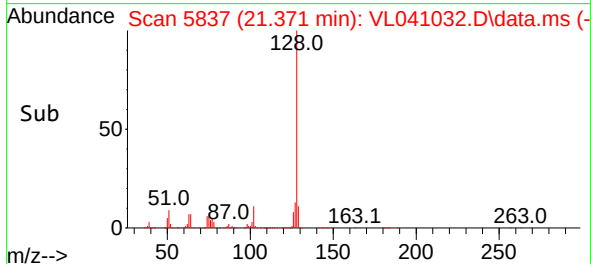
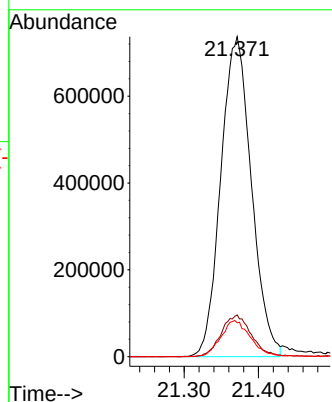
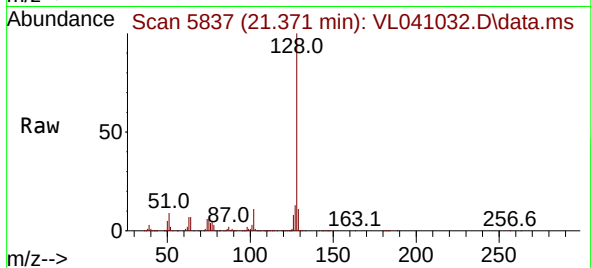
129 10.6 9.3 13.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 01/26/2024

Supervised By :Mahesh Dadoda 01/26/2024



#80

Naphthalene,2-methyl-

Concen: 11.617 ppbv

RT: 24.362 min Scan# 6767

Delta R.T. 0.000 min

Lab File: VL041032.D

Acq: 25 Jan 2024 16:34

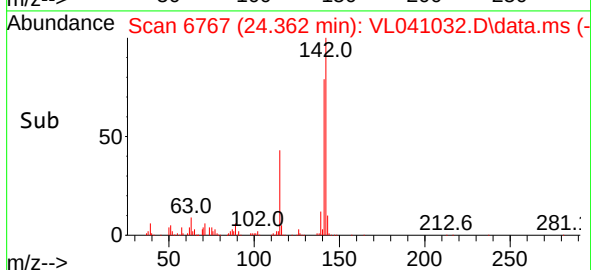
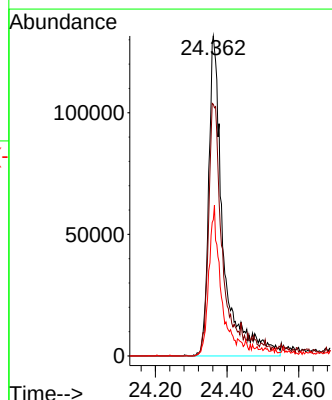
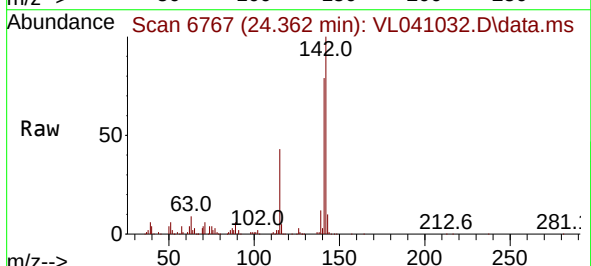
Tgt Ion:142 Resp: 371687

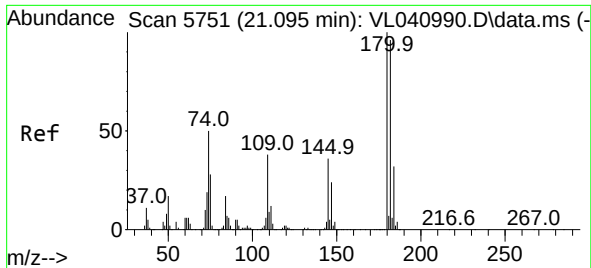
Ion Ratio Lower Upper

142 100

141 83.0 62.7 94.1

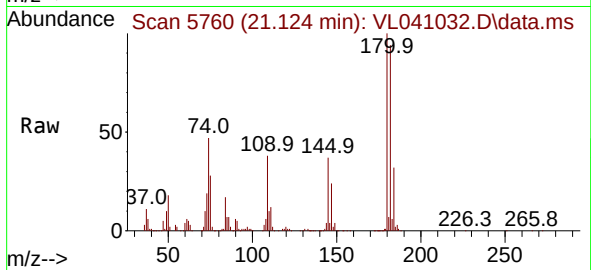
115 43.3 34.0 51.0





#81
 1,2,4-Trichlorobenzene
 Concen: 9.937 ppbv
 RT: 21.124 min Scan# 51
 Delta R.T. 0.003 min
 Lab File: VL041032.D
 Acq: 25 Jan 2024 16:34

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC



Tgt Ion:180 Resp: 105625
 Ion Ratio Lower Upper
 180 100
 182 96.3 78.6 118.0
 184 29.6 24.4 36.6

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 01/26/2024
 Supervised By :Mahesh Dadoda 01/26/2024

