

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL012324\
 Data File : VL040996.D
 Acq On : 23 Jan 2024 13:34
 Operator : SY/MD
 Sample : VSTDICC015
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC015

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 01/24/2024
 Supervised By :Mahesh Dadoda 01/24/2024

Quant Time: Jan 23 14:09:19 2024

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

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

QLast Update : Tue Jan 23 13:30:00 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.160	49	1089393	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.623	114	2703189	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.430	117	2522973	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.738 95 2007428 10.802 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 108.000%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.700	85	3091715	14.900	ppbv	96
3) Chlorodifluoromethane	2.645	51	2375394	14.490	ppbv	99
4) Chloromethane	2.784	50	888824	14.704	ppbv	99
5) Vinyl Chloride	2.890	62	933786	16.003	ppbv	100
6) Bromomethane	3.089	94	406869	15.718	ppbv	95
7) Chloroethane	3.166	64	334506	16.080	ppbv	94
8) Dichlorotetrafluoroethane	2.825	85	2305829	15.422	ppbv	99
9) Propene	2.665	41	804762	14.878	ppbv	96
10) Heptane	7.545	43	2047426	15.227	ppbv	99
11) Trichlorofluoromethane	3.530	101	2546309	15.696	ppbv	96
12) 1,1,2-Trichlorotrifluo...	4.034	101	1824677	14.484	ppbv	98
13) Ethanol	3.208	45	174531	12.790	ppbv	98
14) Bromoethene	3.333	108	733408	15.884	ppbv	97
15) Acetone	3.433	43	1741259	13.327	ppbv	97
16) 1,3-Butadiene	2.954	39	906228	16.109	ppbv	100
17) tert-Butyl alcohol	3.848	59	1512989	15.654	ppbv	100
18) 1,1-Dichloroethene	3.848	96	815705	15.682	ppbv	97
19) Isopropyl Alcohol	3.546	45	1096410	16.082	ppbv	98
20) Methylene Chloride	3.899	84	646851	13.889	ppbv	98
21) Allyl Chloride	3.964	41	1175558	15.222	ppbv	100
22) trans-1,2-Dichloroethene	4.414	96	842618	14.207	ppbv	97
23) Vinyl Acetate	4.594	43	2092899	14.520	ppbv	98
24) 1,1-Dichloroethane	4.530	63	1715166	13.303	ppbv	100
25) Ethyl Acetate	5.169	43	3444963	15.217	ppbv	100
26) Hexane	5.179	57	1480576	14.757	ppbv	98
27) Carbon Disulfide	4.092	76	2072856	15.265	ppbv	100
28) Methyl tert-Butyl Ether	4.549	73	1204561	12.938	ppbv	99
29) Chloroform	5.240	83	2545659	15.035	ppbv	99
30) Cyclohexane	6.565	84	1260757	15.072	ppbv	98
31) cis-1,2-Dichloroethene	5.044	61	1480193	14.362	ppbv	95
32) 1,1,1-Trichloroethane	5.970	97	2567928	15.687	ppbv	99
34) 2-Butanone	4.751	43	1896944	13.266	ppbv	100
35) Carbon Tetrachloride	6.459	117	2735485	16.159	ppbv	98
36) Benzene	6.337	78	3190232	15.097	ppbv	100
37) 1,2-Dichloroethane	5.774	62	1946723	15.375	ppbv	100
38) Trichloroethene	7.259	130	1284865	16.189	ppbv	97
39) 1,2-Dichloropropane	7.041	63	1273740	15.339	ppbv	98
40) 1,4-Dioxane	7.250	88	523126	14.920	ppbv #	1
41) Tetrahydrofuran	5.523	42	1320626	15.179	ppbv	99
42) Bromodichloromethane	7.214	83	2897651	15.867	ppbv	99
43) Methyl Methacrylate	7.439	69	1355345	16.352	ppbv	100
44) 2,2,4-Trimethylpentane	7.291	57	5247145	14.618	ppbv	100
45) t-1,3-Dichloropropene	8.674	75	1052574	17.116	ppbv	96

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

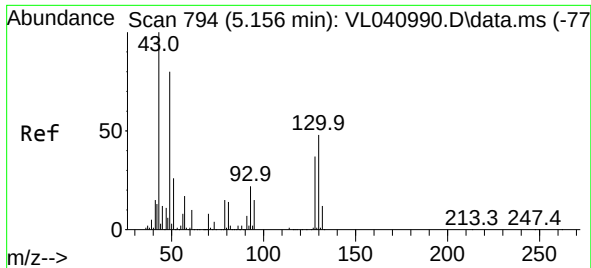
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 2

QLast Update : Tue Jan 23 13:30:00 2024

Response via : Initial Calibration

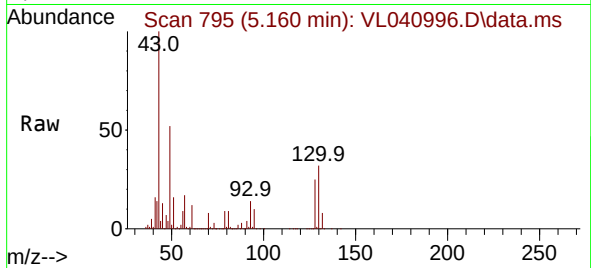
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.105	75	1214116	15.947	ppbv	96
47) 1,1,2-Trichloroethane	8.864	97	1383510	15.706	ppbv	98
48) Dibromochloromethane	9.674	129	2501695	16.638	ppbv	99
49) Bromoform	12.372	173	2060306	17.758	ppbv	100
50) 4-Methyl-2-Pentanone	8.144	43	3440480	15.887	ppbv	100
51) 2-Hexanone	9.513	43	2590613	16.619	ppbv	99
52) Tetrachloroethene	10.581	164	1134081	15.931	ppbv	97
53) Toluene	9.185	91	3684326	15.724	ppbv	99
54) 1,2-Dibromoethane	9.973	107	2023638	16.740	ppbv	100
56) 1,1,1,2-Tetrachloroethane	11.471	131	1784019	16.170	ppbv #	75
57) Chlorobenzene	11.487	112	2918322	15.707	ppbv	98
58) Ethyl Benzene	12.050	91	5083267	15.686	ppbv	99
59) m/p-Xylene	12.333	91	8679075m	31.487	ppbv	
60) o-Xylene	13.024	91	4152856	15.990	ppbv	100
61) Styrene	12.860	104	2194225	17.773	ppbv	99
62) Isopropylbenzene	13.992	105	6022856	15.638	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.011	83	3093041	16.532	ppbv	100
64) n-propylbenzene	14.880	120	1604443	16.608	ppbv	91
65) tert-Butylbenzene	16.053	119	5353237	16.352	ppbv	99
66) Benzyl Chloride	16.291	91	435979	19.461	ppbv	99
67) sec-Butylbenzene	16.597	105	7441656	15.641	ppbv	99
69) p-Isopropyltoluene	16.957	119	6071083	16.417	ppbv	99
70) n-Butylbenzene	17.851	91	6470351	16.854	ppbv	99
71) 2-Chlorotoluene	14.764	91	4732244	15.955	ppbv	98
72) 4-Ethyltoluene	15.156	105	4798358	16.834	ppbv	99
73) 1,3,5-Trimethylbenzene	15.314	105	4120108	16.747	ppbv	98
74) 1,2,4-Trimethylbenzene	16.072	105	4562526	16.664	ppbv	93
75) 1,3-Dichlorobenzene	16.294	146	2650072	16.945	ppbv	100
76) 1,4-Dichlorobenzene	16.433	146	2599656	16.991	ppbv	100
77) 1,2-Dichlorobenzene	17.105	146	2560891	16.997	ppbv	98
78) Hexachloro-1,3-Butadiene	22.590	225	1488542	16.063	ppbv	100
79) Naphthalene	21.342	128	3442251	26.093	ppbv	97
80) Naphthalene,2-methyl-	24.342	142	792929	32.884	ppbv	94
81) 1,2,4-Trichlorobenzene	21.101	180	1673904	22.101	ppbv	98

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



#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.160 min Scan# 794
Delta R.T. 0.004 min
Lab File: VL040996.D
Acq: 23 Jan 2024 13:34

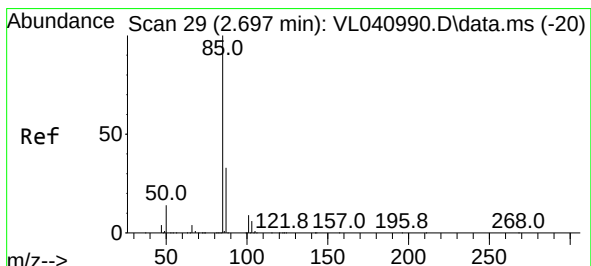
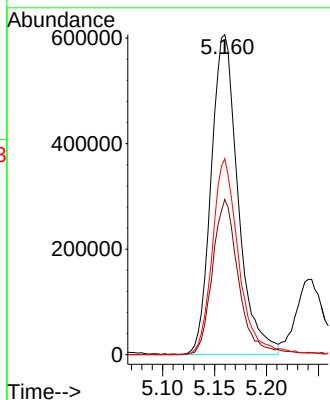
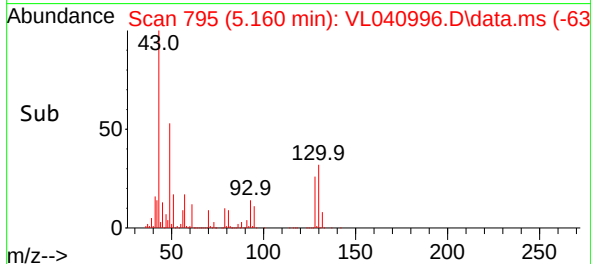
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



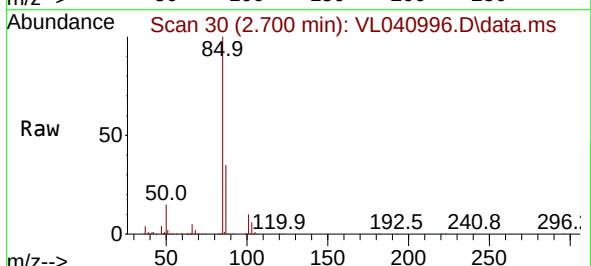
Tgt Ion: 49 Resp: 108939
Ion Ratio Lower Upper
49 100
128 47.9 23.9 71.7
130 61.5 31.1 93.5

Manual Integrations
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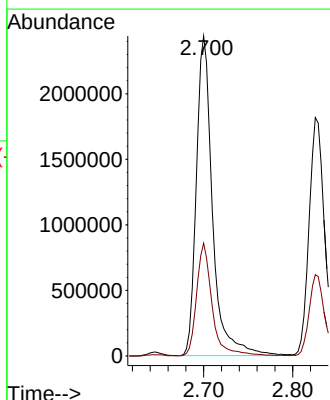
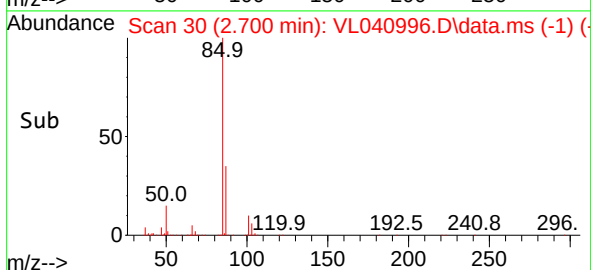
Reviewed By :Semsettin Yesilyurt 01/24/2024
Supervised By :Mahesh Dadoda 01/24/2024

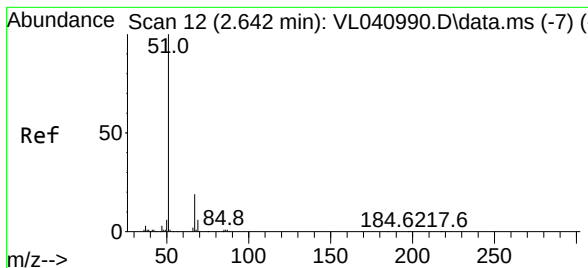


#2
Dichlorodifluoromethane
Concen: 14.900 ppbv
RT: 2.700 min Scan# 30
Delta R.T. 0.003 min
Lab File: VL040996.D
Acq: 23 Jan 2024 13:34



Tgt Ion: 85 Resp: 3091715
Ion Ratio Lower Upper
85 100
87 35.2 26.3 39.5





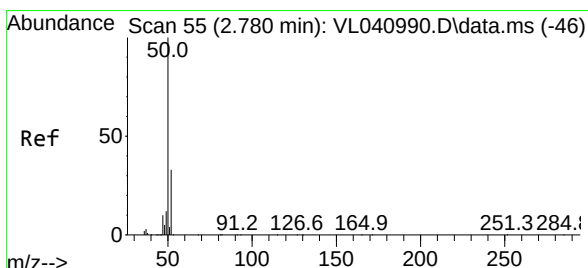
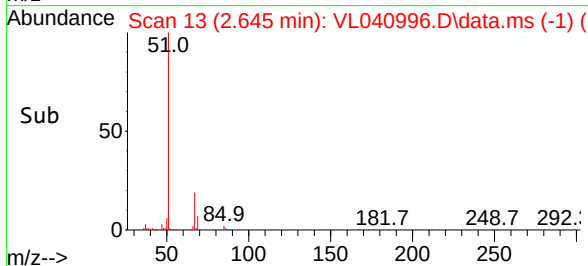
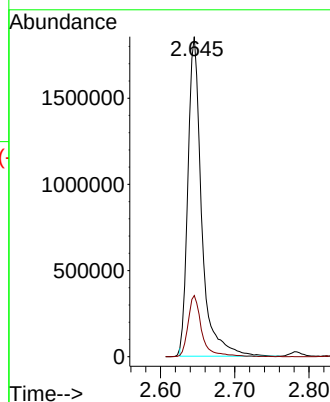
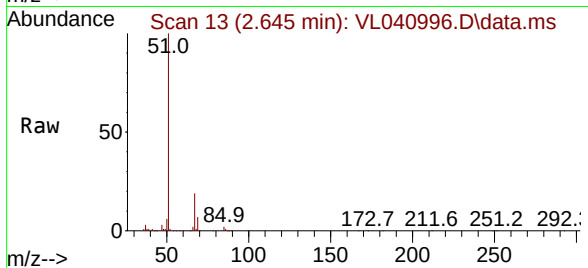
#3
Chlorodifluoromethane
Concen: 14.490 ppbv
RT: 2.645 min Scan# 11
Delta R.T. 0.003 min
Lab File: VL040996.D
Acq: 23 Jan 2024 13:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tgt Ion: 51 Resp: 2375394
Ion Ratio Lower Upper
51 100
67 19.1 14.8 22.2

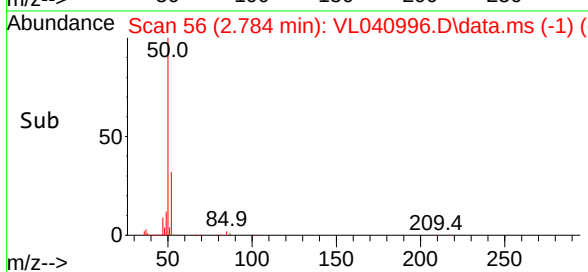
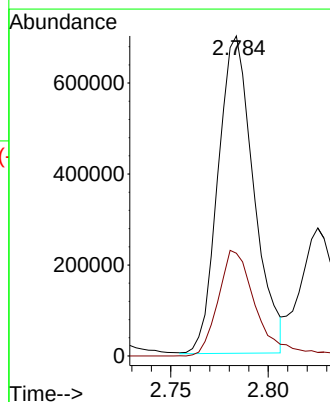
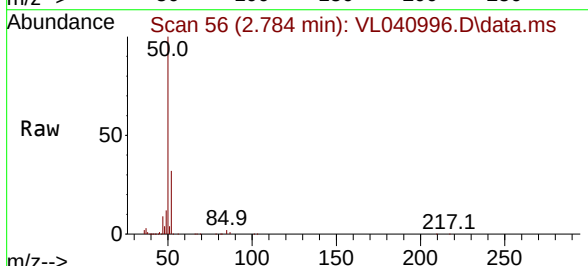
Manual Integrations
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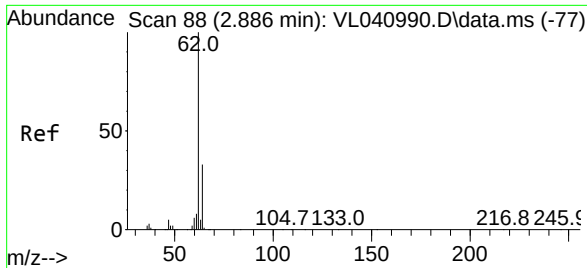
Reviewed By :Semsettin Yesilyurt 01/24/2024
Supervised By :Mahesh Dadoda 01/24/2024



#4
Chloromethane
Concen: 14.704 ppbv
RT: 2.784 min Scan# 56
Delta R.T. 0.003 min
Lab File: VL040996.D
Acq: 23 Jan 2024 13:34

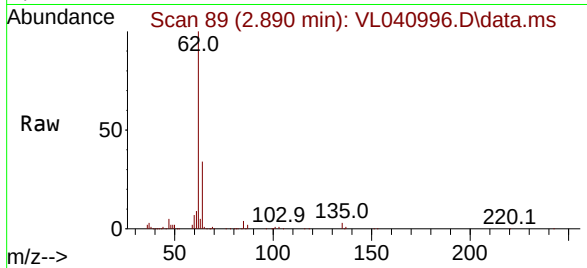
Tgt Ion: 50 Resp: 888824
Ion Ratio Lower Upper
50 100
52 32.4 26.2 39.4





#5
 Vinyl Chloride
 Concen: 16.003 ppbv
 RT: 2.890 min Scan# 89
 Delta R.T. 0.003 min
 Lab File: VL040996.D
 Acq: 23 Jan 2024 13:34

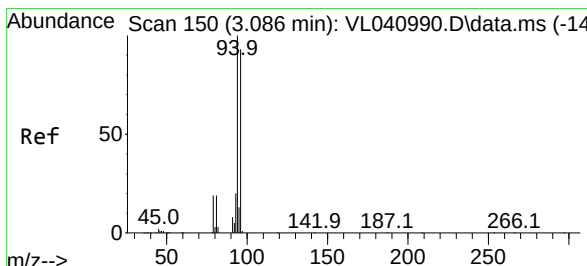
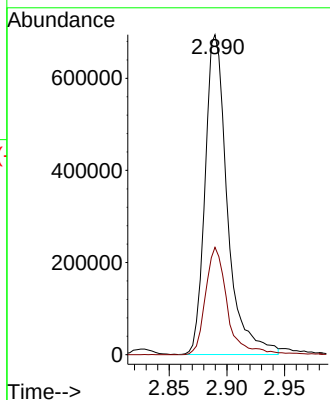
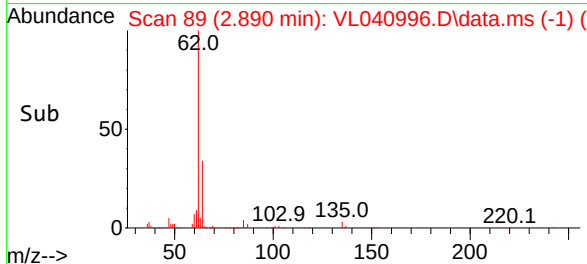
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015



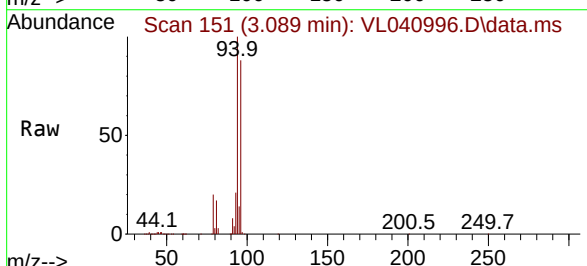
Tgt Ion: 62 Resp: 933780
 Ion Ratio Lower Upper
 62 100
 64 33.6 26.6 40.0

Manual Integrations
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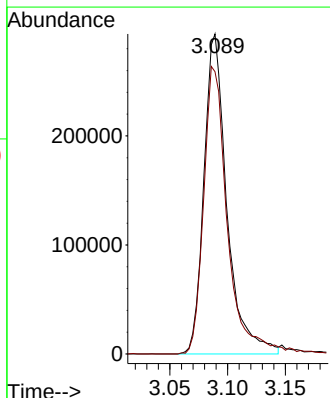
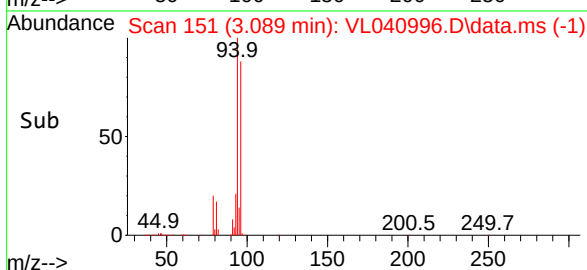
Reviewed By :Semsettin Yesilyurt 01/24/2024
 Supervised By :Mahesh Dadoda 01/24/2024

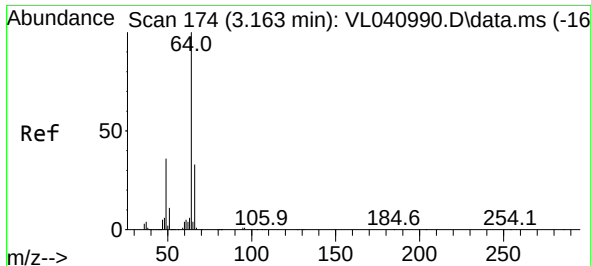


#6
 Bromomethane
 Concen: 15.718 ppbv
 RT: 3.089 min Scan# 151
 Delta R.T. 0.003 min
 Lab File: VL040996.D
 Acq: 23 Jan 2024 13:34



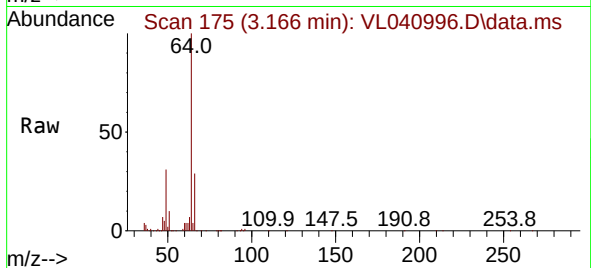
Tgt Ion: 94 Resp: 406869
 Ion Ratio Lower Upper
 94 100
 96 88.2 74.2 111.4





#7
Chloroethane
Concen: 16.080 ppbv
RT: 3.166 min Scan# 11
Delta R.T. 0.003 min
Lab File: VL040996.D
Acq: 23 Jan 2024 13:34

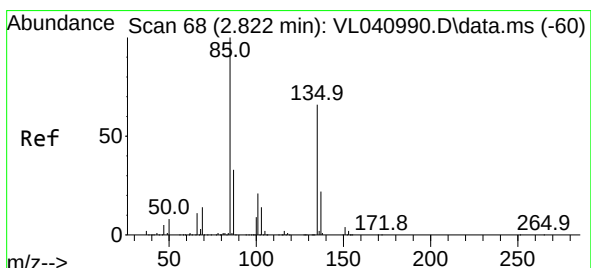
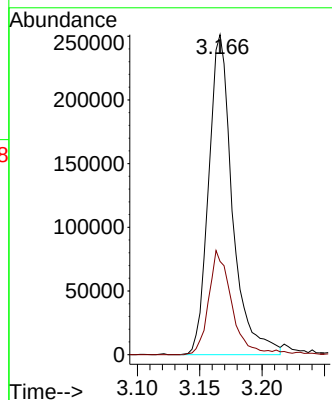
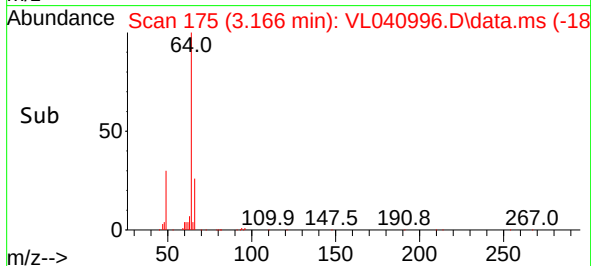
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015



Tgt Ion: 64 Resp: 334500
Ion Ratio Lower Upper
64 100
66 29.1 26.0 39.0

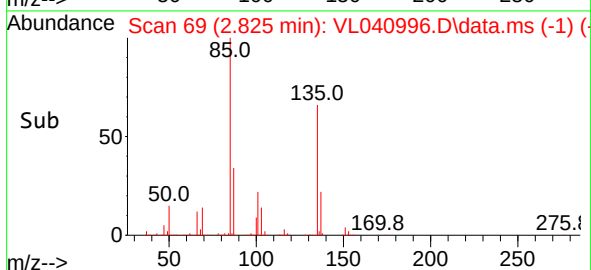
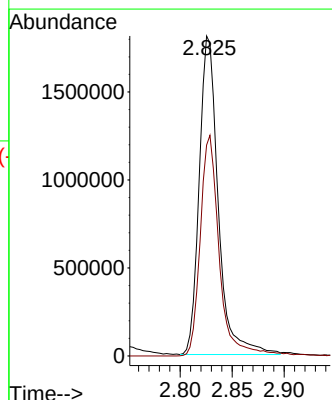
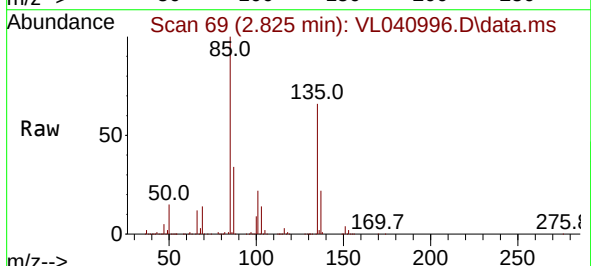
Manual Integrations
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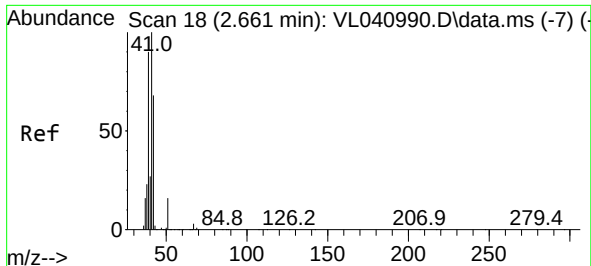
Reviewed By :Semsettin Yesilyurt 01/24/2024
Supervised By :Mahesh Dadoda 01/24/2024



#8
Dichlorotetrafluoroethane
Concen: 15.422 ppbv
RT: 2.825 min Scan# 69
Delta R.T. 0.003 min
Lab File: VL040996.D
Acq: 23 Jan 2024 13:34

Tgt Ion: 85 Resp: 2305829
Ion Ratio Lower Upper
85 100
135 70.0 55.0 82.6





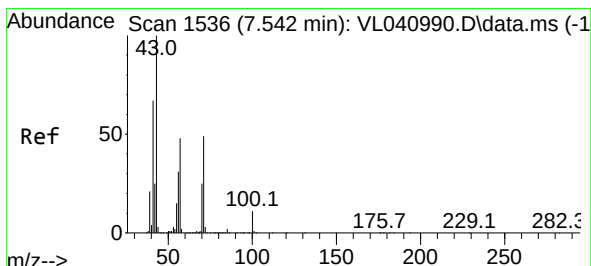
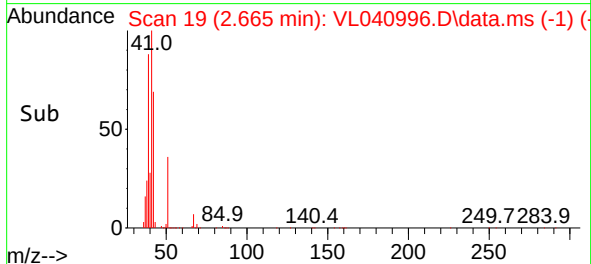
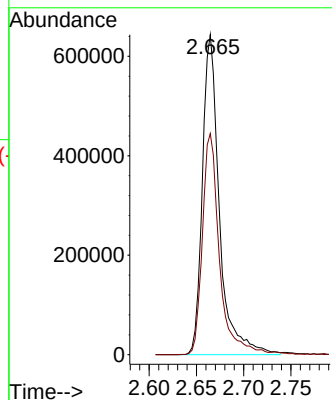
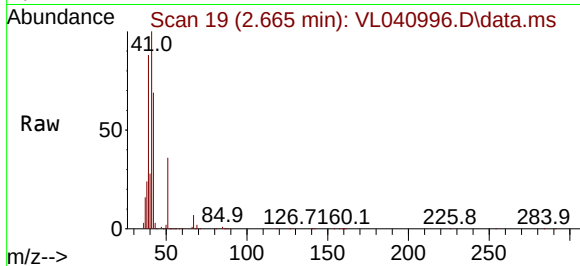
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 Propene
 Concen: 14.878 ppbv
 RT: 2.665 min Scan# 1537
 Delta R.T. 0.003 min
 Lab File: VL040996.D
 Acq: 23 Jan 2024 13:34

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tgt Ion: 41 Resp: 804762
 Ion Ratio Lower Upper
 41 100
 42 70.2 59.0 88.4

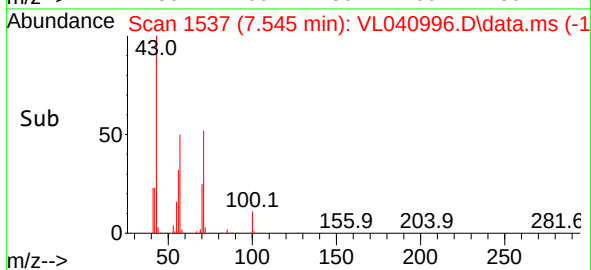
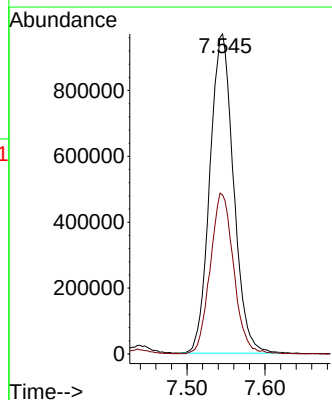
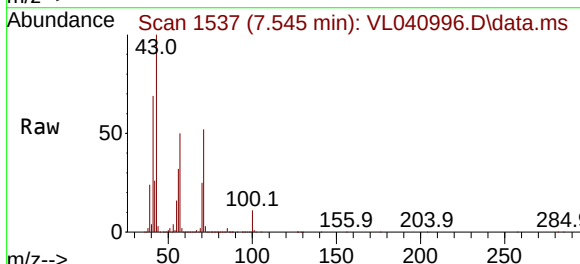
Manual Integrations
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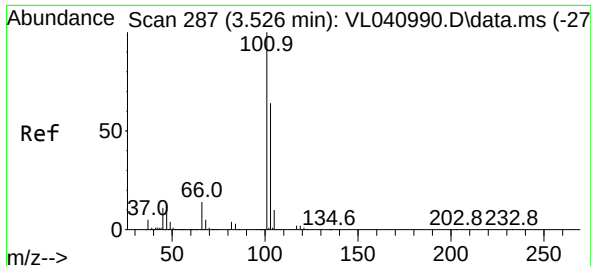
Reviewed By :Semsettin Yesilyurt 01/24/2024
 Supervised By :Mahesh Dadoda 01/24/2024



#10
 Heptane
 Concen: 15.227 ppbv
 RT: 7.545 min Scan# 1537
 Delta R.T. 0.003 min
 Lab File: VL040996.D
 Acq: 23 Jan 2024 13:34

Tgt Ion: 43 Resp: 2047426
 Ion Ratio Lower Upper
 43 100
 57 49.9 39.4 59.2





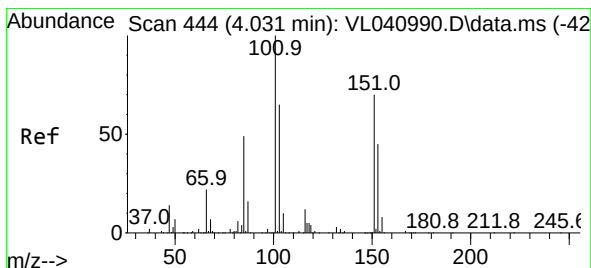
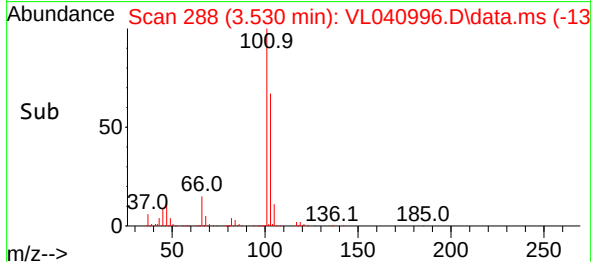
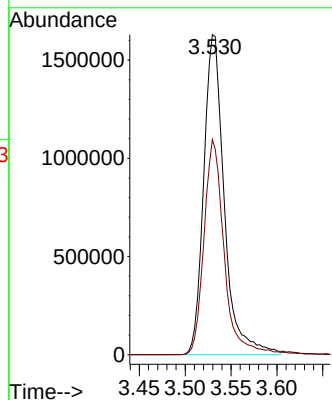
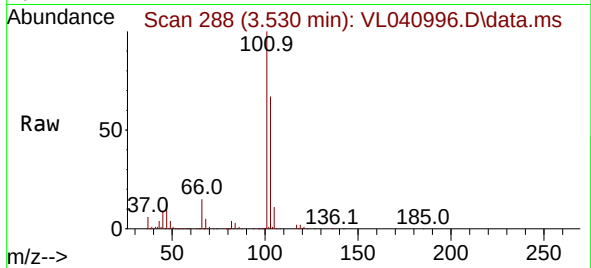
#11
Trichlorofluoromethane
Concen: 15.696 ppbv
RT: 3.530 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL040996.D
Acq: 23 Jan 2024 13:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tgt Ion:101 Resp: 2546309
Ion Ratio Lower Upper
101 100
103 67.3 51.4 77.2

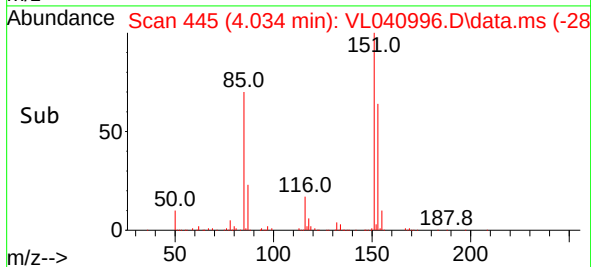
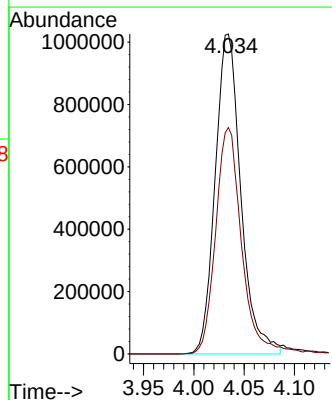
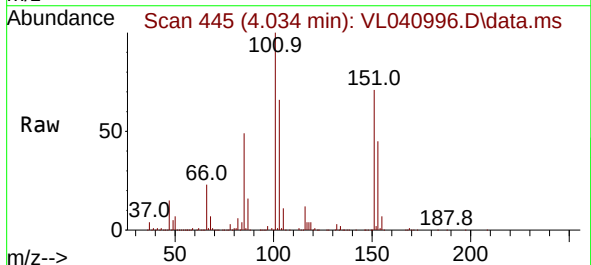
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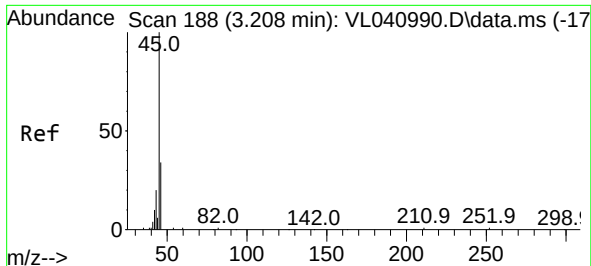
Reviewed By :Semsettin Yesilyurt 01/24/2024
Supervised By :Mahesh Dadoda 01/24/2024



#12
1,1,2-Trichlorotrifluoroethane
Concen: 14.484 ppbv
RT: 4.034 min Scan# 445
Delta R.T. 0.003 min
Lab File: VL040996.D
Acq: 23 Jan 2024 13:34

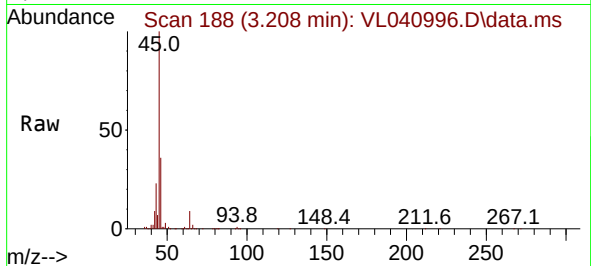
Tgt Ion:101 Resp: 1824677
Ion Ratio Lower Upper
101 100
151 72.1 56.6 85.0





#13
Ethanol
Concen: 12.790 ppbv
RT: 3.208 min Scan# 188
Delta R.T. 0.000 min
Lab File: VL040996.D
Acq: 23 Jan 2024 13:34

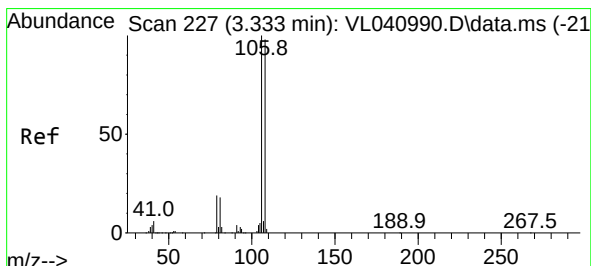
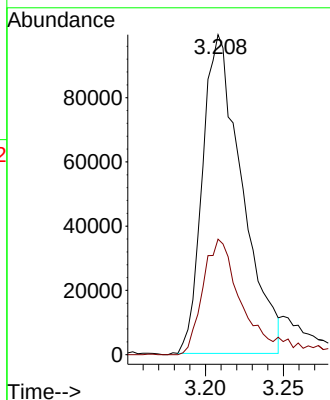
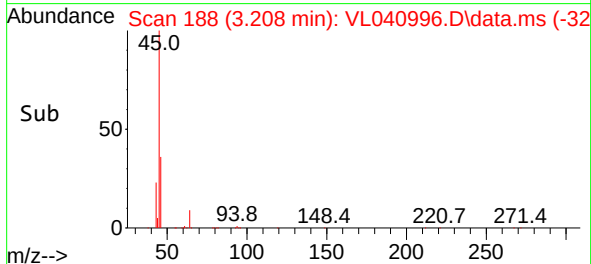
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015



Tgt Ion: 45 Resp: 17453
Ion Ratio Lower Upper
45 100
46 39.1 16.2 64.8

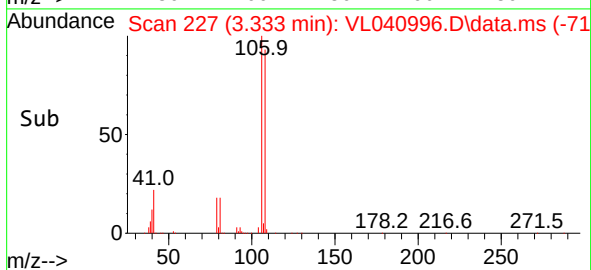
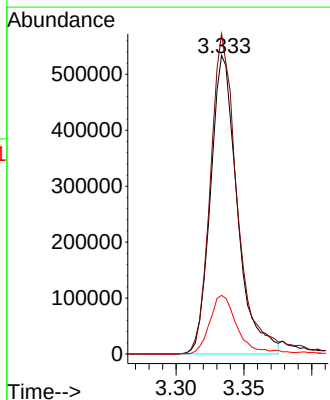
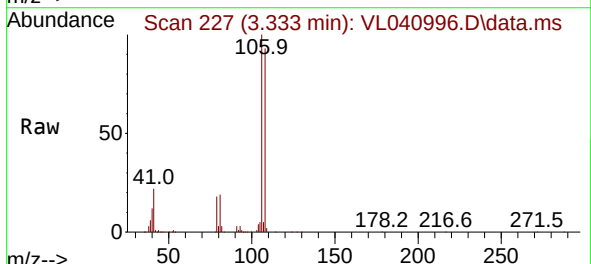
Manual Integrations
APPROVED

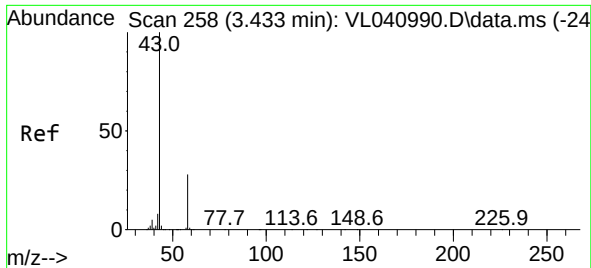
Reviewed By :Semsettin Yesilyurt 01/24/2024
Supervised By :Mahesh Dadoda 01/24/2024



#14
Bromoethene
Concen: 15.884 ppbv
RT: 3.333 min Scan# 227
Delta R.T. 0.000 min
Lab File: VL040996.D
Acq: 23 Jan 2024 13:34

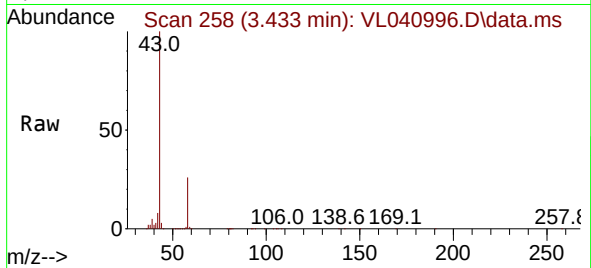
Tgt Ion:108 Resp: 733408
Ion Ratio Lower Upper
108 100
106 111.1 86.4 129.6
79 21.0 16.2 24.4





#15
Acetone
Concen: 13.327 ppbv
RT: 3.433 min Scan# 21
Delta R.T. 0.000 min
Lab File: VL040996.D
Acq: 23 Jan 2024 13:34

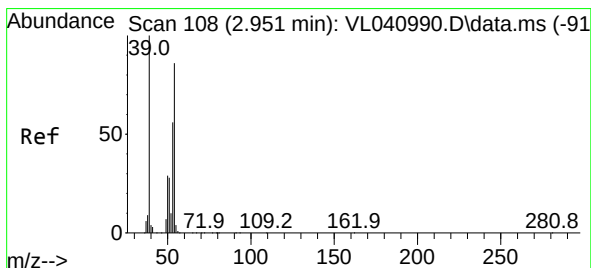
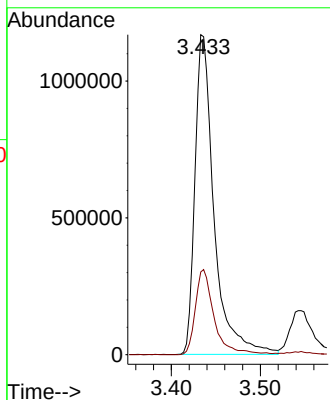
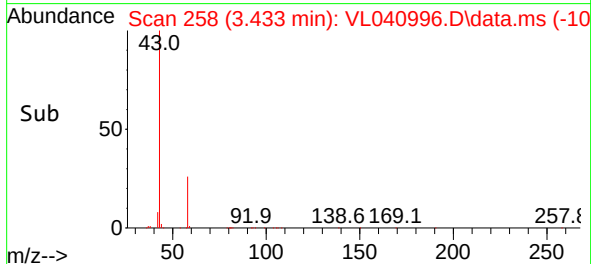
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



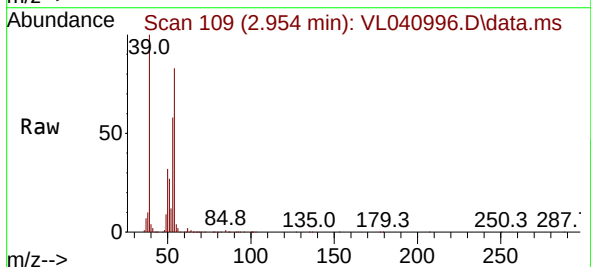
Tgt Ion: 43 Resp: 1741259
Ion Ratio Lower Upper
43 100
58 26.3 22.2 33.2

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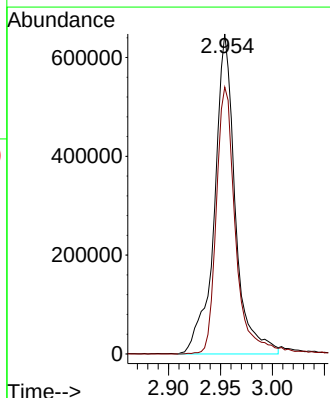
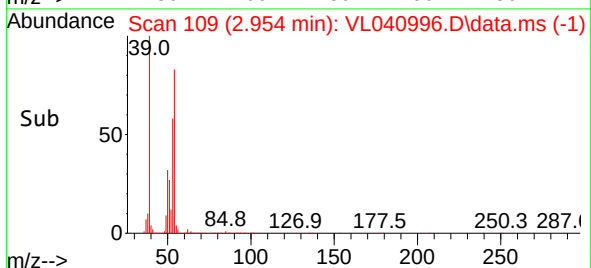
Reviewed By :Semsettin Yesilyurt 01/24/2024
Supervised By :Mahesh Dadoda 01/24/2024

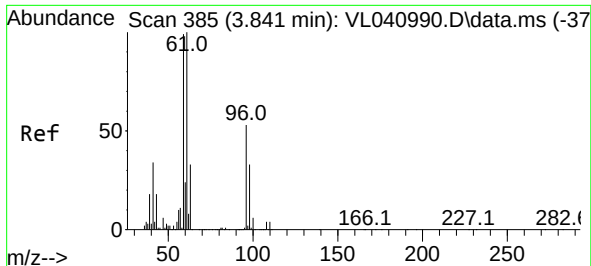


#16
1,3-Butadiene
Concen: 16.109 ppbv
RT: 2.954 min Scan# 109
Delta R.T. 0.003 min
Lab File: VL040996.D
Acq: 23 Jan 2024 13:34



Tgt Ion: 39 Resp: 906228
Ion Ratio Lower Upper
39 100
54 78.1 62.7 94.1





#17

tert-Butyl alcohol

Concen: 15.654 ppbv

RT: 3.848 min Scan# 387

Delta R.T. 0.006 min

Lab File: VL040996.D

Acq: 23 Jan 2024 13:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC015

Tgt Ion: 59 Resp: 151298

Ion Ratio Lower Upper

59 100

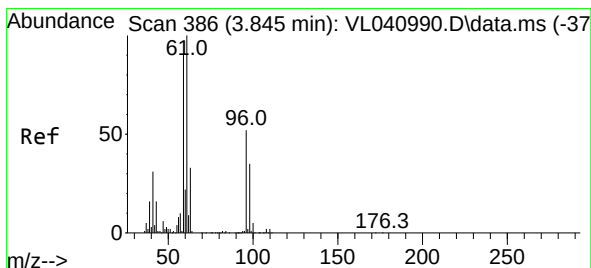
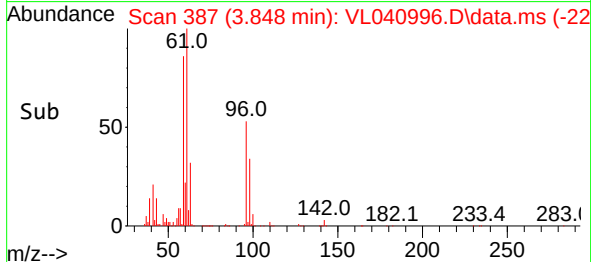
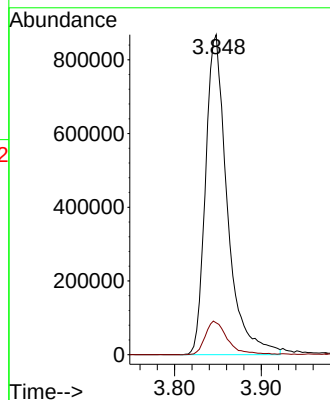
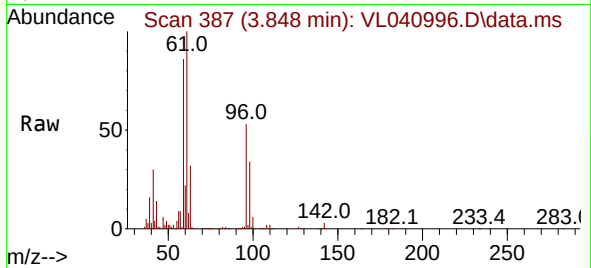
57 11.0 8.7 13.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 01/24/2024

Supervised By :Mahesh Dadoda 01/24/2024



#18

1,1-Dichloroethene

Concen: 15.682 ppbv

RT: 3.848 min Scan# 387

Delta R.T. 0.003 min

Lab File: VL040996.D

Acq: 23 Jan 2024 13:34

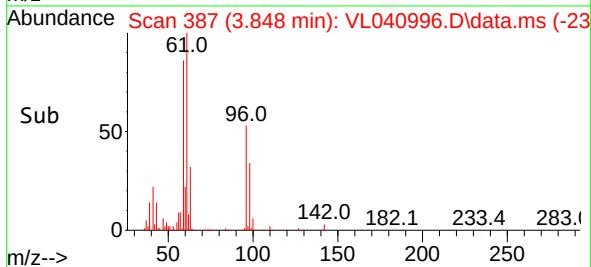
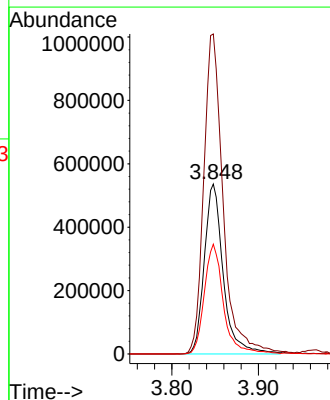
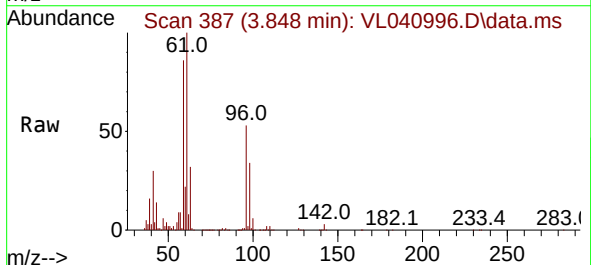
Tgt Ion: 96 Resp: 815705

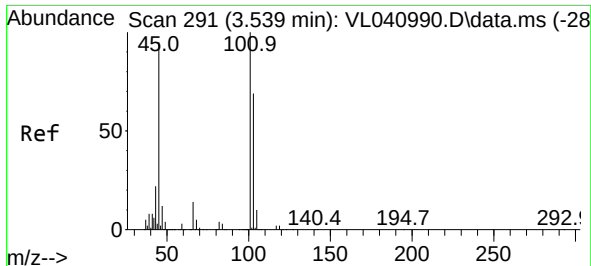
Ion Ratio Lower Upper

96 100

61 188.3 153.8 230.8

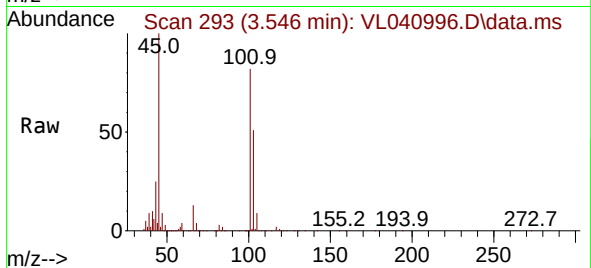
98 64.6 53.7 80.5





#19
Isopropyl Alcohol
Concen: 16.082 ppbv
RT: 3.546 min Scan# 291
Delta R.T. 0.006 min
Lab File: VL040996.D
Acq: 23 Jan 2024 13:34

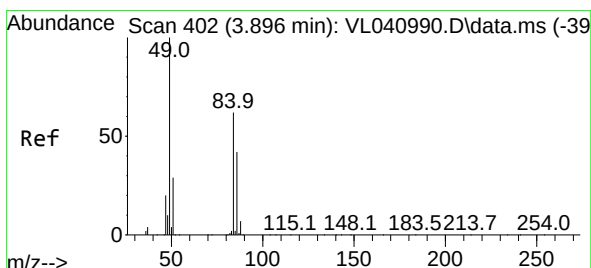
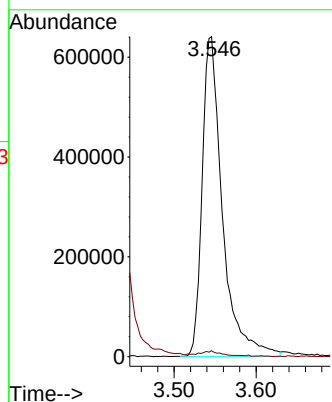
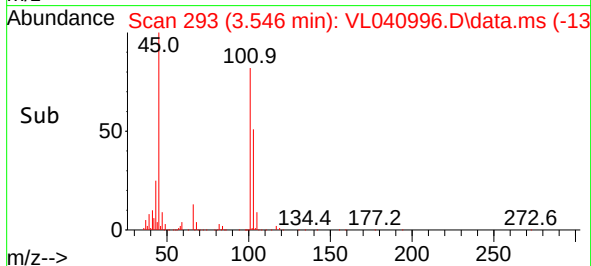
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



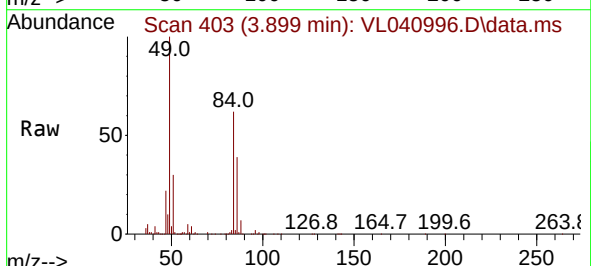
Tgt Ion: 45 Resp: 1096410
Ion Ratio Lower Upper
45 100
58 2.3 2.2 3.4

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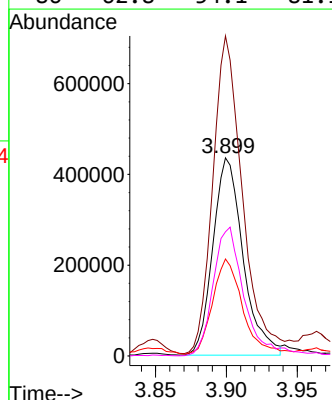
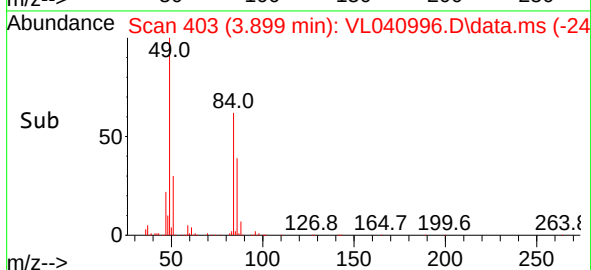
Reviewed By :Semsettin Yesilyurt 01/24/2024
Supervised By :Mahesh Dadoda 01/24/2024

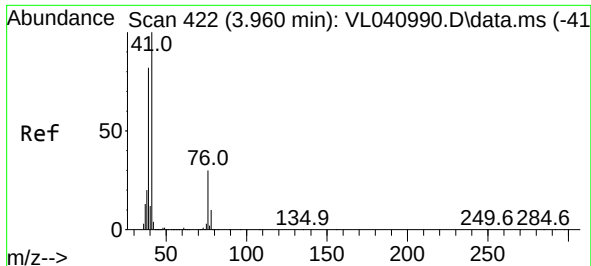


#20
Methylene Chloride
Concen: 13.889 ppbv
RT: 3.899 min Scan# 403
Delta R.T. 0.003 min
Lab File: VL040996.D
Acq: 23 Jan 2024 13:34



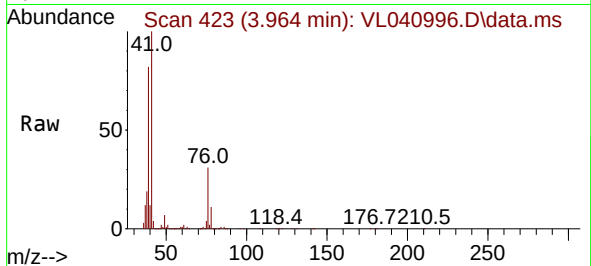
Tgt Ion: 84 Resp: 646851
Ion Ratio Lower Upper
84 100
49 160.9 128.1 192.1
51 48.0 36.5 54.7
86 62.8 54.1 81.1





#21
 Allyl Chloride
 Concen: 15.222 ppbv
 RT: 3.964 min Scan# 41
 Delta R.T. 0.003 min
 Lab File: VL040996.D
 Acq: 23 Jan 2024 13:34

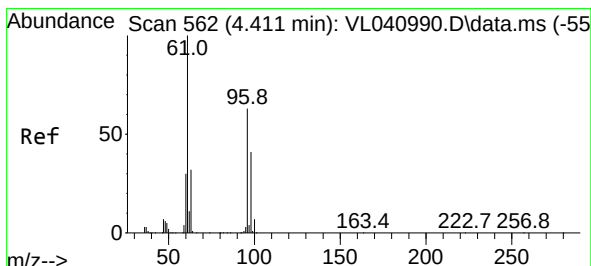
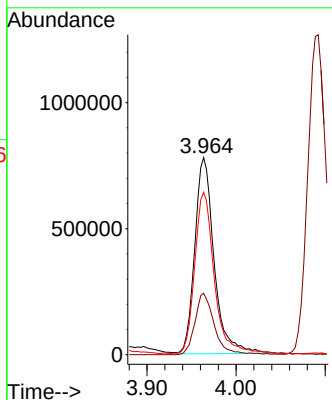
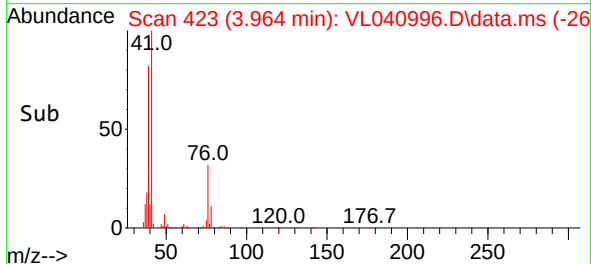
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015



Tgt Ion: 41 Resp: 1175558
 Ion Ratio Lower Upper
 41 100
 76 31.5 25.0 37.4
 39 83.6 67.0 100.6

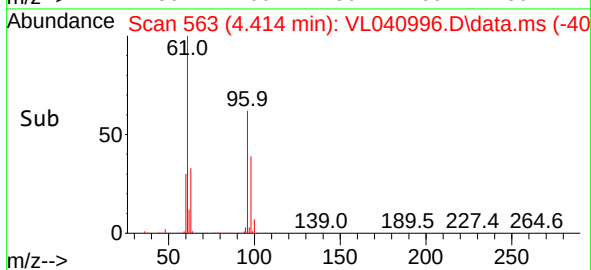
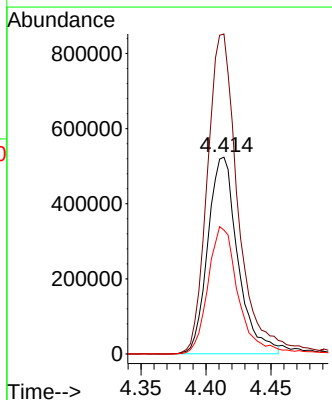
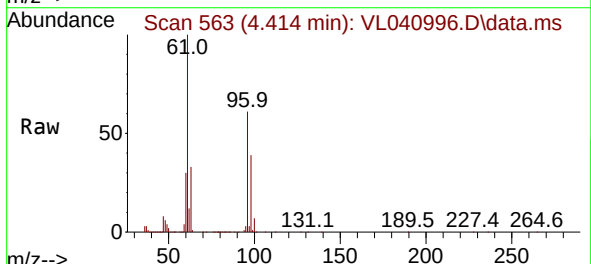
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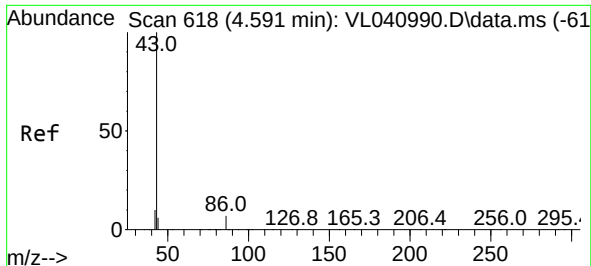
Reviewed By :Semsettin Yesilyurt 01/24/2024
 Supervised By :Mahesh Dadoda 01/24/2024



#22
 trans-1,2-Dichloroethene
 Concen: 14.207 ppbv
 RT: 4.414 min Scan# 563
 Delta R.T. 0.003 min
 Lab File: VL040996.D
 Acq: 23 Jan 2024 13:34

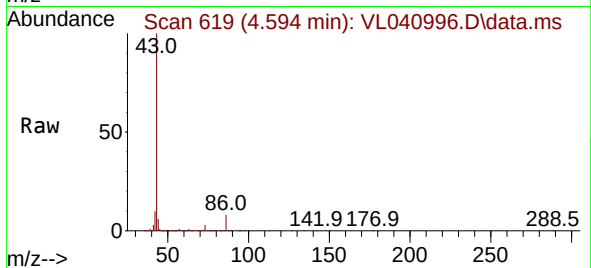
Tgt Ion: 96 Resp: 842618
 Ion Ratio Lower Upper
 96 100
 61 162.5 126.0 189.0
 98 62.8 51.2 76.8





#23
 Vinyl Acetate
 Concen: 14.520 ppbv
 RT: 4.594 min Scan# 618
 Delta R.T. 0.003 min
 Lab File: VL040996.D
 Acq: 23 Jan 2024 13:34

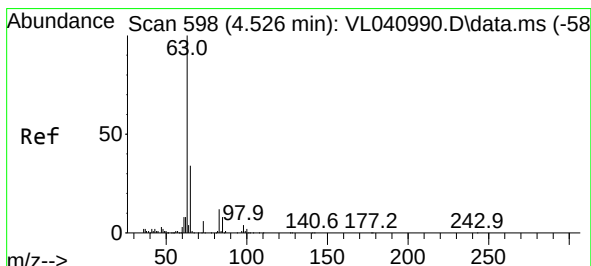
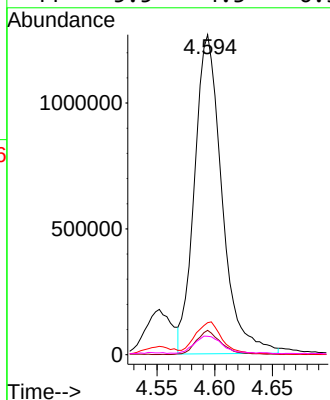
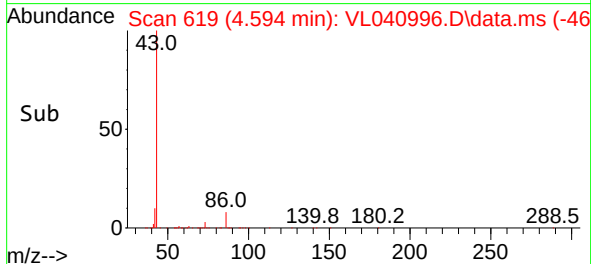
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015



Tgt Ion: 43 Resp: 2092899
 Ion Ratio Lower Upper
 43 100
 86 7.6 5.4 8.0
 42 9.9 8.6 13.0
 44 5.5 4.3 6.5

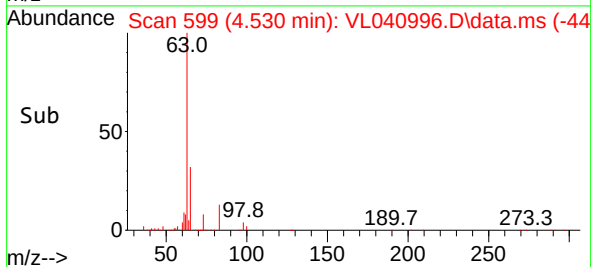
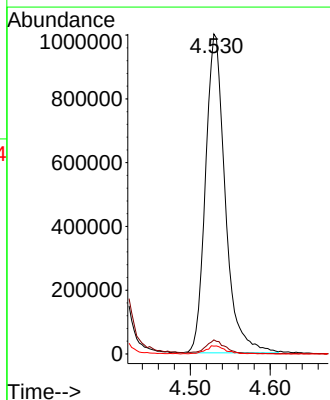
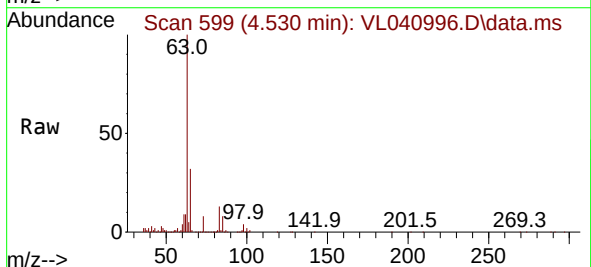
Manual Integrations
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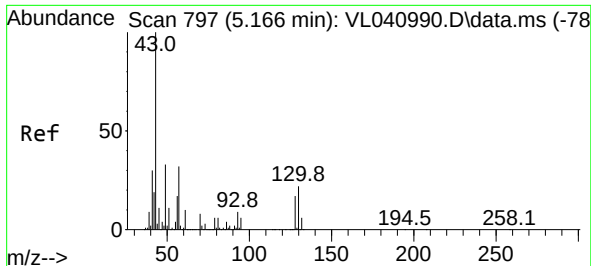
Reviewed By :Semsettin Yesilyurt 01/24/2024
 Supervised By :Mahesh Dadoda 01/24/2024



#24
 1,1-Dichloroethane
 Concen: 13.303 ppbv
 RT: 4.530 min Scan# 599
 Delta R.T. 0.003 min
 Lab File: VL040996.D
 Acq: 23 Jan 2024 13:34

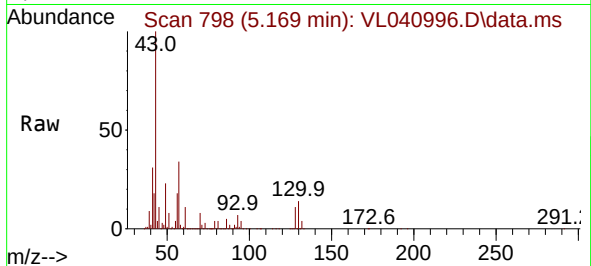
Tgt Ion: 63 Resp: 1715166
 Ion Ratio Lower Upper
 63 100
 98 4.3 2.1 6.3
 100 2.4 1.3 3.9





#25
Ethyl Acetate
Concen: 15.217 ppbv
RT: 5.169 min Scan# 798
Delta R.T. 0.003 min
Lab File: VL040996.D
Acq: 23 Jan 2024 13:34

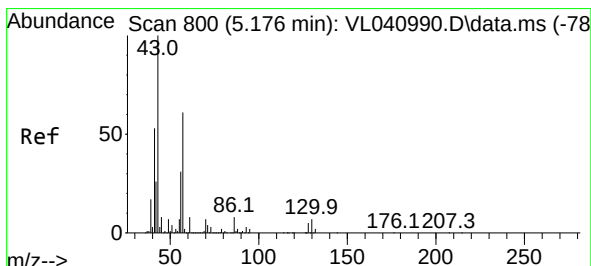
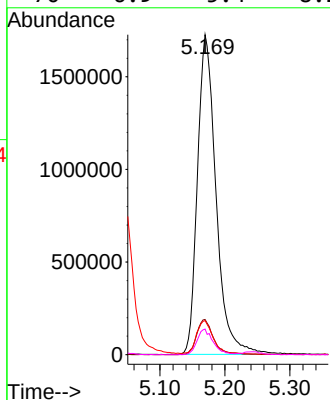
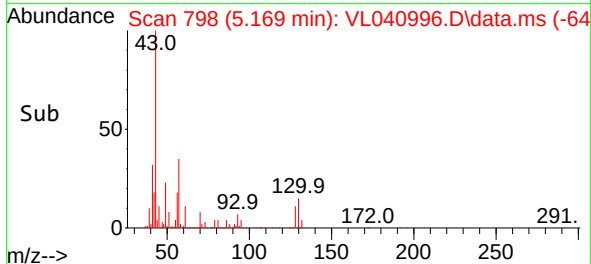
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



Tgt Ion: 43 Resp: 344496
Ion Ratio Lower Upper
43 100
45 10.2 8.2 12.4
61 9.8 7.9 11.9
70 6.9 5.4 8.2

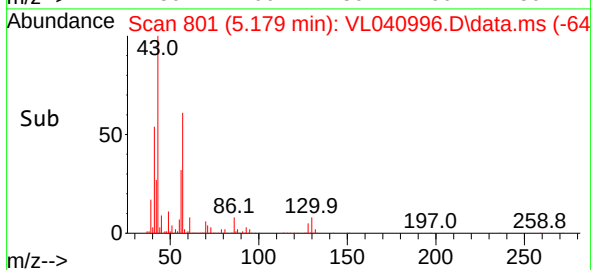
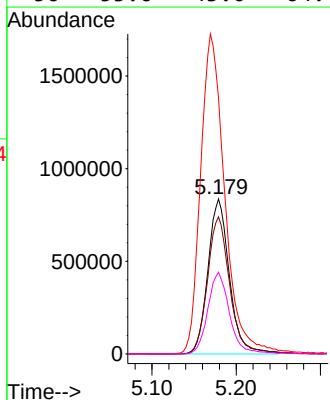
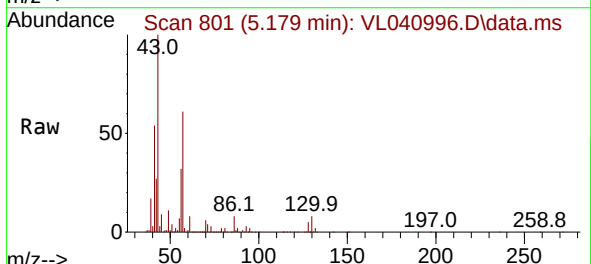
Manual Integrations
APPROVED

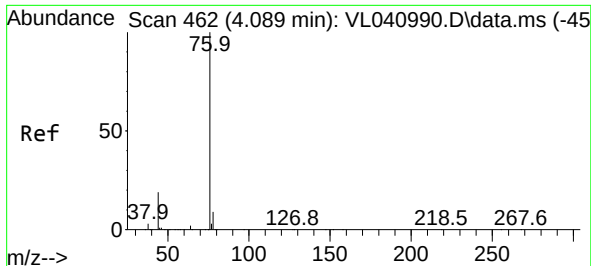
Reviewed By :Semsettin Yesilyurt 01/24/2024
Supervised By :Mahesh Dadoda 01/24/2024



#26
Hexane
Concen: 14.757 ppbv
RT: 5.179 min Scan# 801
Delta R.T. 0.003 min
Lab File: VL040996.D
Acq: 23 Jan 2024 13:34

Tgt Ion: 57 Resp: 1480576
Ion Ratio Lower Upper
57 100
41 92.2 74.4 111.6
43 234.4 190.6 285.8
56 53.6 43.0 64.4





#27

Carbon Disulfide

Concen: 15.265 ppbv

RT: 4.092 min Scan# 4

Delta R.T. 0.003 min

Lab File: VL040996.D

Acq: 23 Jan 2024 13:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tgt Ion: 76 Resp: 207285

Ion Ratio Lower Upper

76 100

44 20.2 16.0 24.0

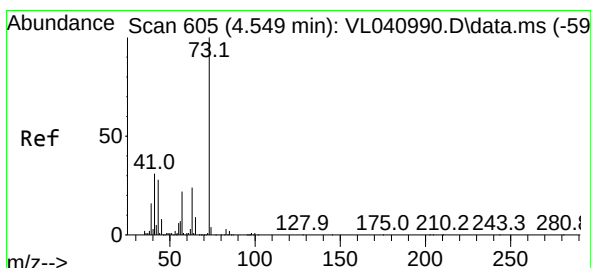
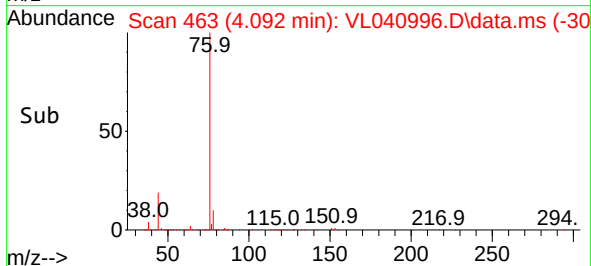
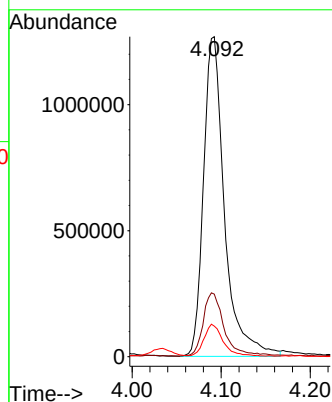
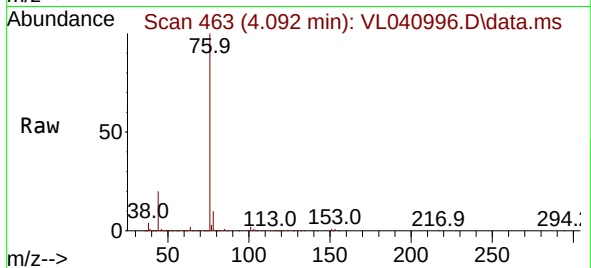
78 9.6 7.8 11.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 01/24/2024

Supervised By :Mahesh Dadoda 01/24/2024



#28

Methyl tert-Butyl Ether

Concen: 12.938 ppbv

RT: 4.549 min Scan# 605

Delta R.T. 0.000 min

Lab File: VL040996.D

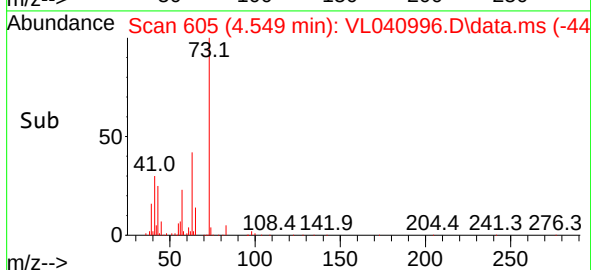
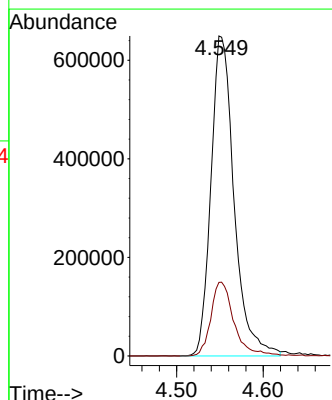
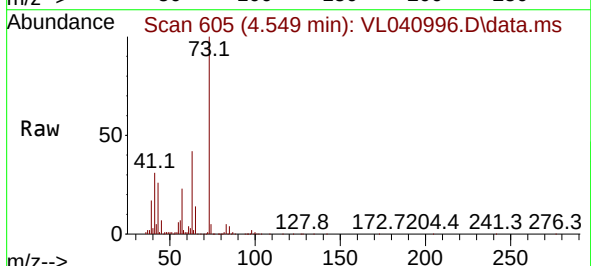
Acq: 23 Jan 2024 13:34

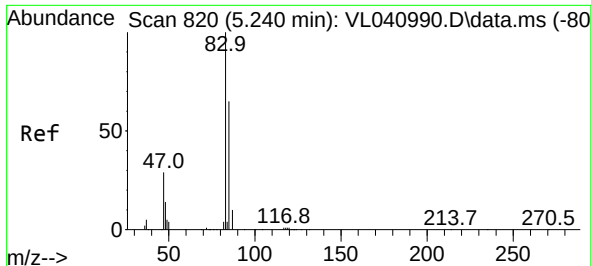
Tgt Ion: 73 Resp: 1204561

Ion Ratio Lower Upper

73 100

57 23.2 18.0 27.0





#29

Chloroform

Concen: 15.035 ppbv

RT: 5.240 min Scan# 820

Delta R.T. 0.000 min

Lab File: VL040996.D

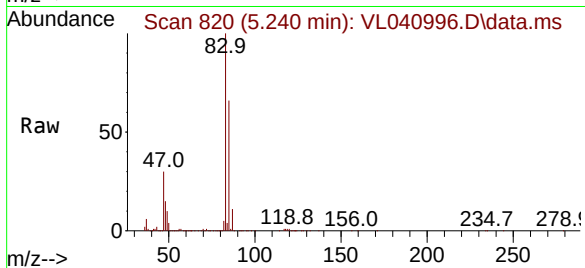
Acq: 23 Jan 2024 13:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015



Tgt Ion: 83 Resp: 2545659

Ion Ratio Lower Upper

83 100

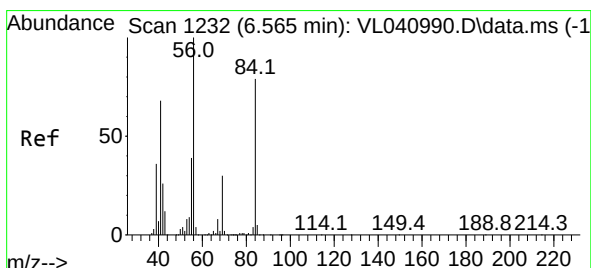
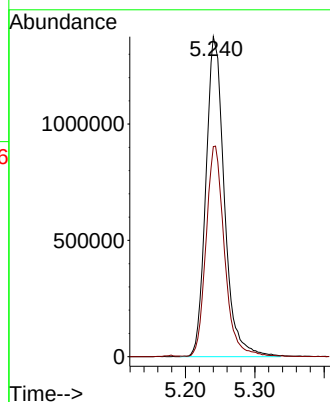
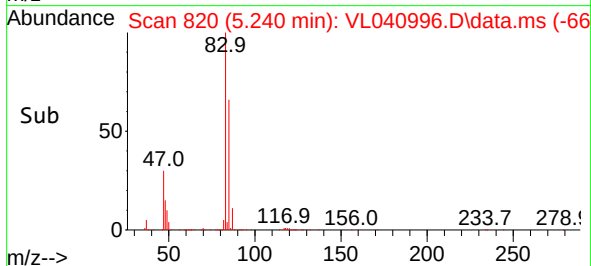
85 65.4 51.6 77.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 01/24/2024

Supervised By :Mahesh Dadoda 01/24/2024



#30

Cyclohexane

Concen: 15.072 ppbv

RT: 6.565 min Scan# 1232

Delta R.T. 0.000 min

Lab File: VL040996.D

Acq: 23 Jan 2024 13:34

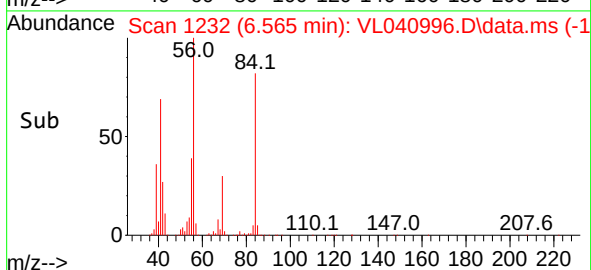
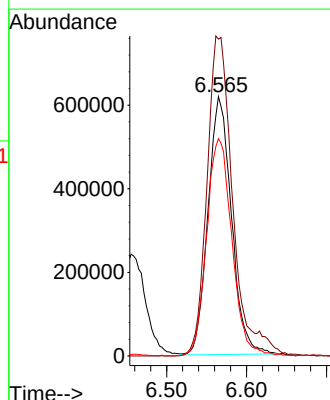
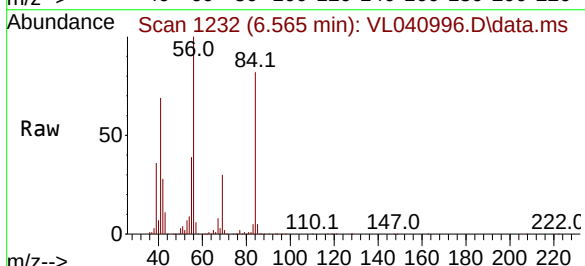
Tgt Ion: 84 Resp: 1260757

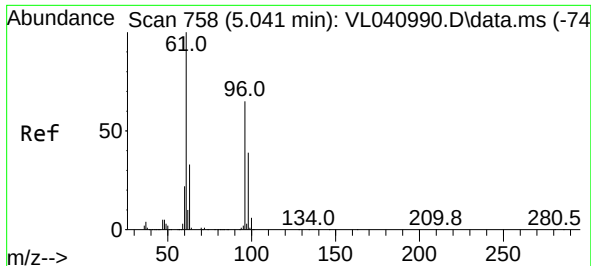
Ion Ratio Lower Upper

84 100

56 136.4 111.7 167.5

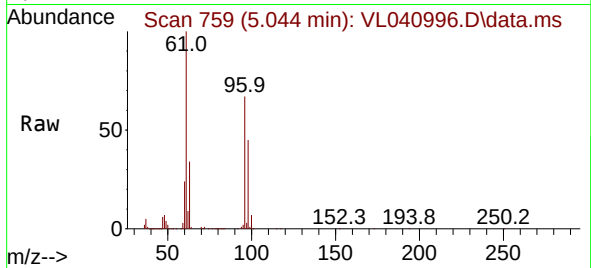
41 90.3 71.0 106.6





#31
 cis-1,2-Dichloroethene
 Concen: 14.362 ppbv
 RT: 5.044 min Scan# 758
 Delta R.T. 0.003 min
 Lab File: VL040996.D
 Acq: 23 Jan 2024 13:34

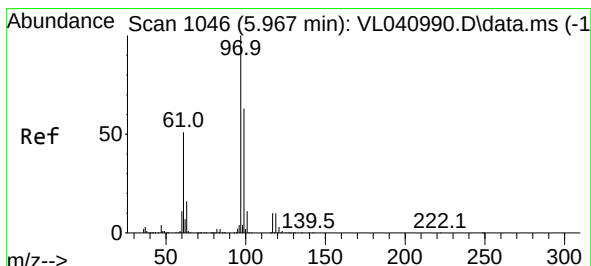
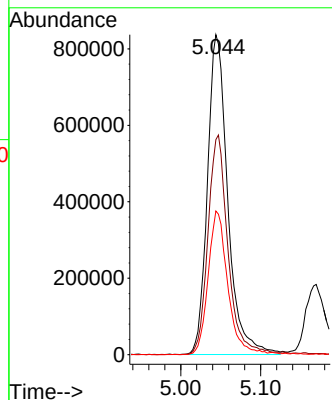
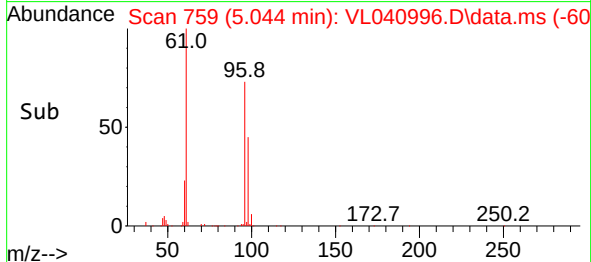
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC015



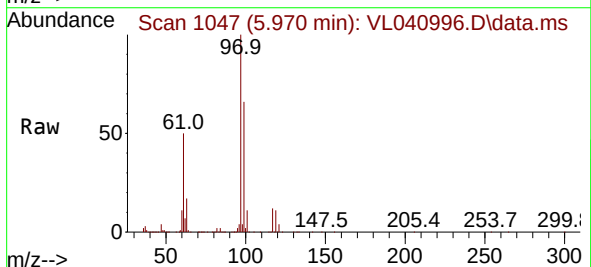
Tgt Ion: 61 Resp: 148019
 Ion Ratio Lower Upper
 61 100
 96 67.2 51.9 77.9
 98 44.9 31.5 47.3

Manual Integrations
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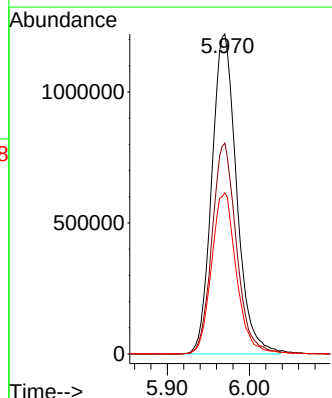
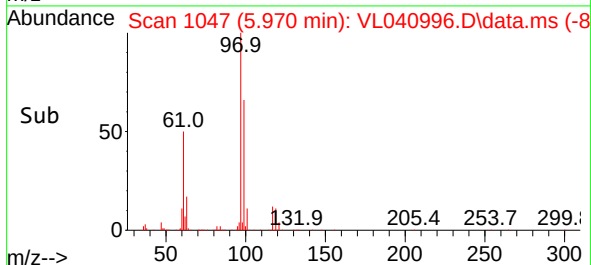
Reviewed By :Semsettin Yesilyurt 01/24/2024
 Supervised By :Mahesh Dadoda 01/24/2024

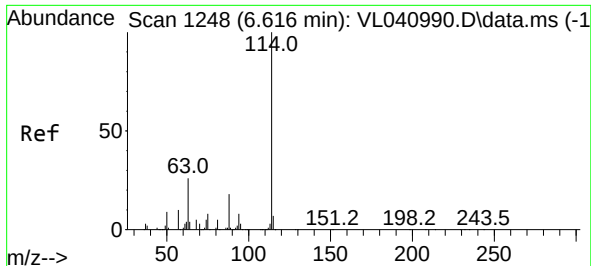


#32
 1,1,1-Trichloroethane
 Concen: 15.687 ppbv
 RT: 5.970 min Scan# 1047
 Delta R.T. 0.003 min
 Lab File: VL040996.D
 Acq: 23 Jan 2024 13:34



Tgt Ion: 97 Resp: 2567928
 Ion Ratio Lower Upper
 97 100
 99 65.1 51.5 77.3
 61 50.6 40.3 60.5





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.623 min Scan# 114

Delta R.T. 0.006 min

Lab File: VL040996.D

Acq: 23 Jan 2024 13:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tgt Ion:114 Resp: 2703189

Ion Ratio Lower Upper

114 100

63 26.2 20.8 31.2

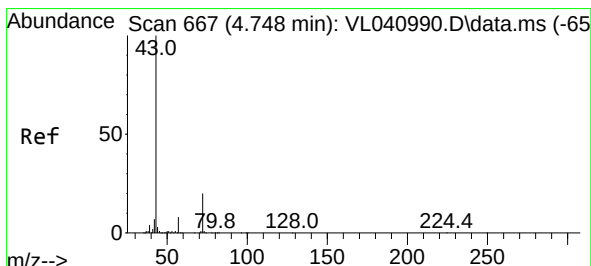
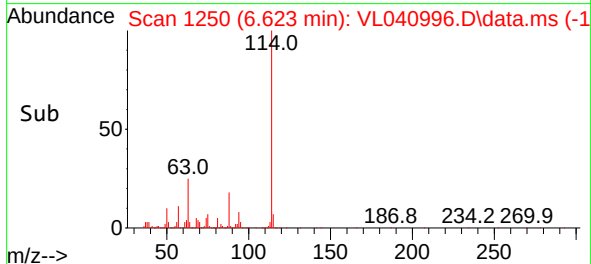
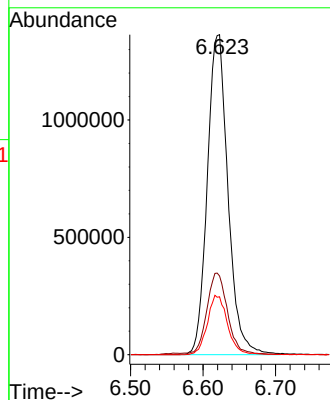
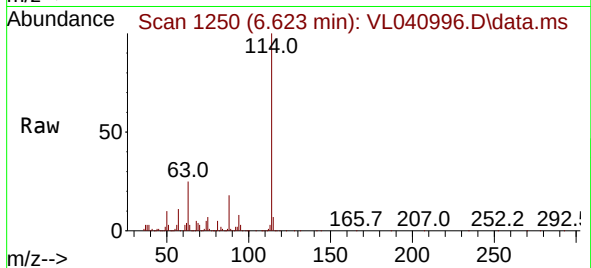
88 18.1 14.3 21.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 01/24/2024

Supervised By :Mahesh Dadoda 01/24/2024



#34

2-Butanone

Concen: 13.266 ppbv

RT: 4.751 min Scan# 668

Delta R.T. 0.003 min

Lab File: VL040996.D

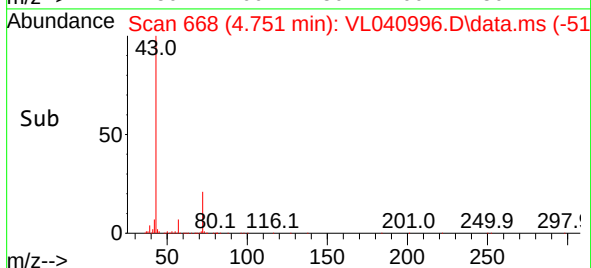
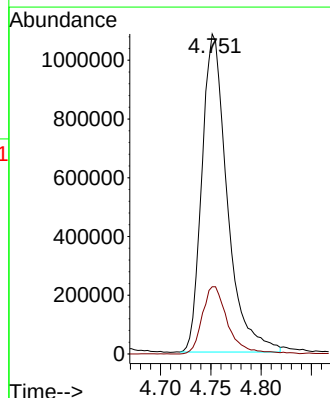
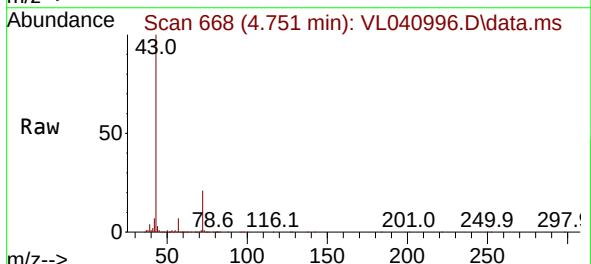
Acq: 23 Jan 2024 13:34

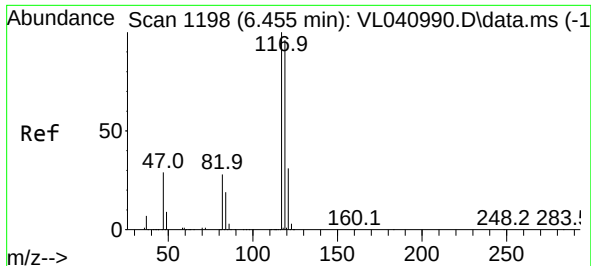
Tgt Ion: 43 Resp: 1896944

Ion Ratio Lower Upper

43 100

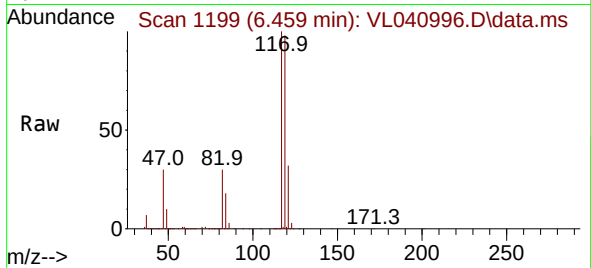
72 21.8 17.5 26.3





#35
Carbon Tetrachloride
Concen: 16.159 ppbv
RT: 6.459 min Scan# 1199
Delta R.T. 0.003 min
Lab File: VL040996.D
Acq: 23 Jan 2024 13:34

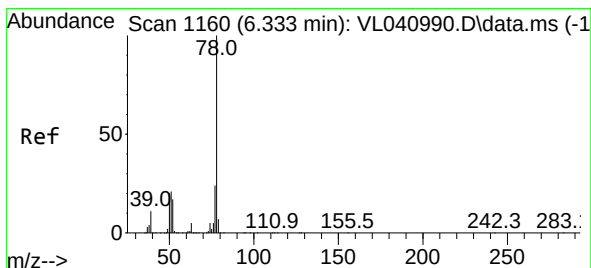
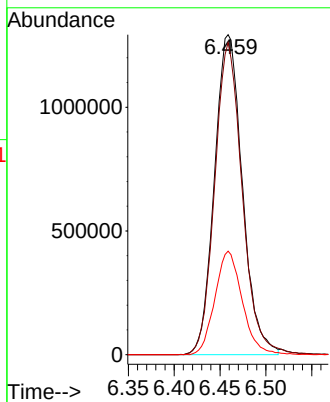
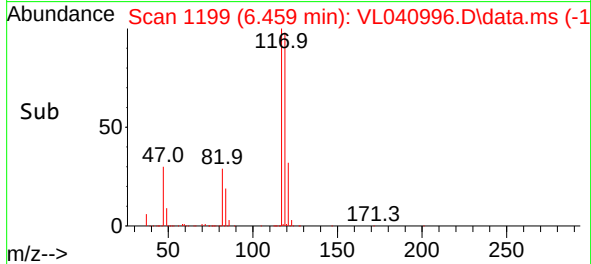
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015



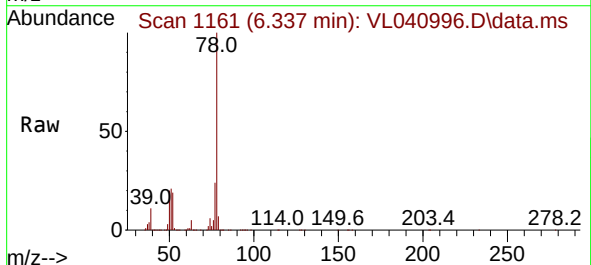
Tgt Ion:117 Resp: 273548
Ion Ratio Lower Upper
117 100
119 97.5 76.9 115.3
121 32.3 24.7 37.1

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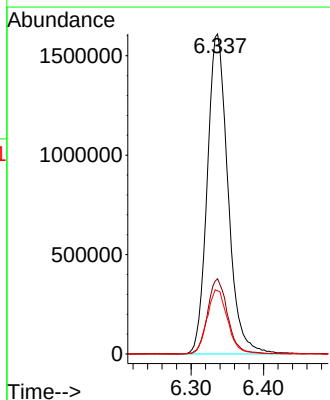
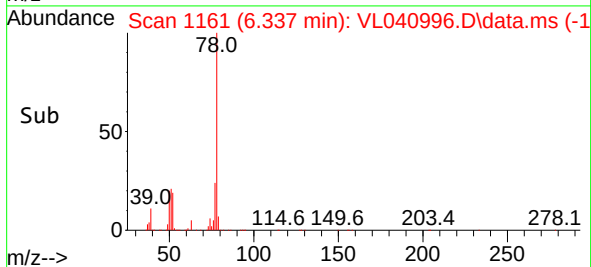
Reviewed By :Semsettin Yesilyurt 01/24/2024
Supervised By :Mahesh Dadoda 01/24/2024

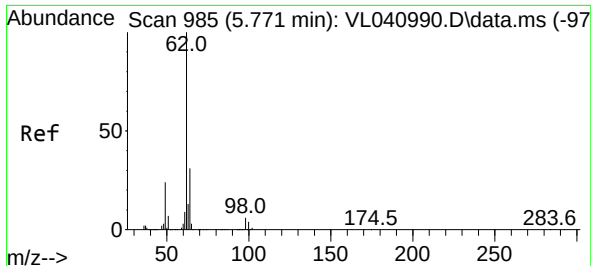


#36
Benzene
Concen: 15.097 ppbv
RT: 6.337 min Scan# 1161
Delta R.T. 0.003 min
Lab File: VL040996.D
Acq: 23 Jan 2024 13:34



Tgt Ion: 78 Resp: 3190232
Ion Ratio Lower Upper
78 100
77 23.5 19.0 28.4
50 19.7 15.8 23.6





#37

1,2-Dichloroethane

Concen: 15.375 ppbv

RT: 5.774 min Scan# 985

Delta R.T. 0.003 min

Lab File: VL040996.D

Acq: 23 Jan 2024 13:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tgt Ion: 62 Resp: 194672

Ion Ratio Lower Upper

62 100

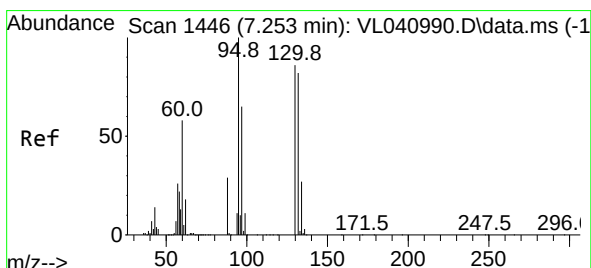
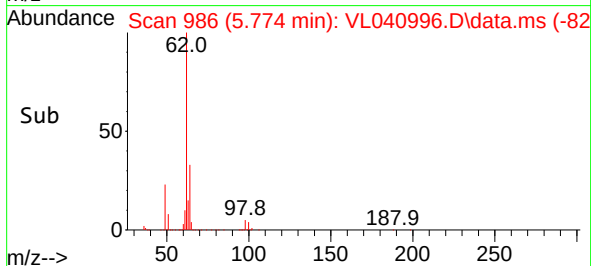
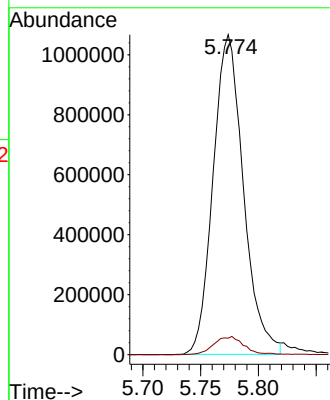
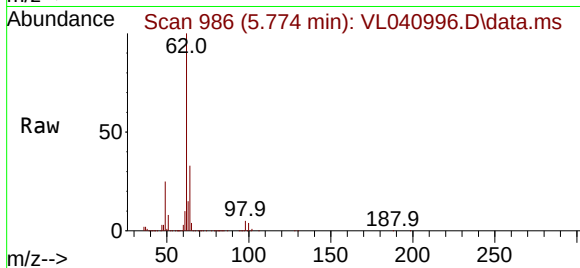
98 5.9 4.7 7.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 01/24/2024

Supervised By :Mahesh Dadoda 01/24/2024



#38

Trichloroethene

Concen: 16.189 ppbv

RT: 7.259 min Scan# 1448

Delta R.T. 0.006 min

Lab File: VL040996.D

Acq: 23 Jan 2024 13:34

Tgt Ion:130 Resp: 1284865

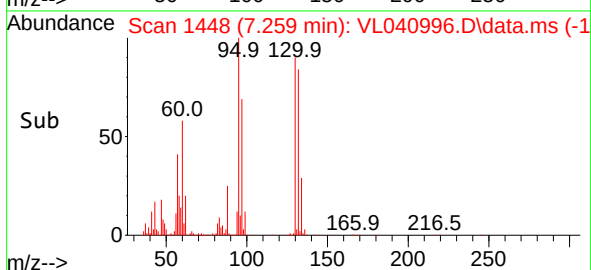
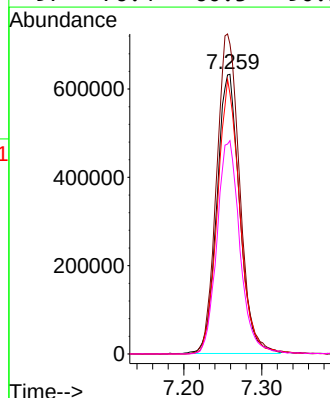
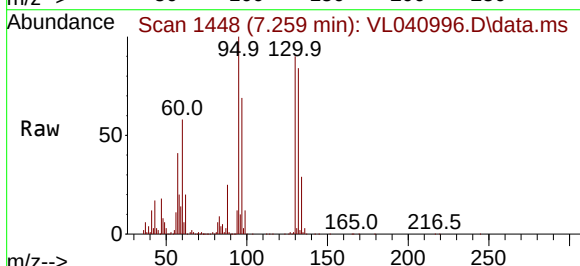
Ion Ratio Lower Upper

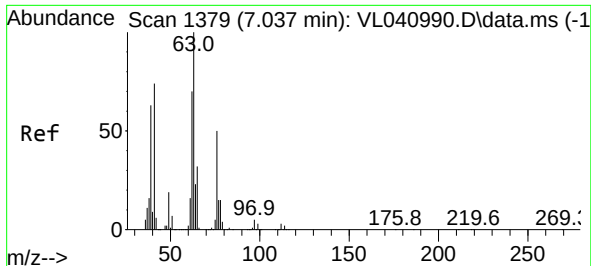
130 100

95 111.0 92.9 139.3

132 93.2 76.2 114.2

97 76.4 60.3 90.5





#39

1,2-Dichloropropane

Concen: 15.339 ppbv

RT: 7.041 min Scan# 1379

Delta R.T. 0.003 min

Lab File: VL040996.D

Acq: 23 Jan 2024 13:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tgt Ion: 63 Resp: 1273740

Ion Ratio Lower Upper

63 100

41 73.7 59.6 89.4

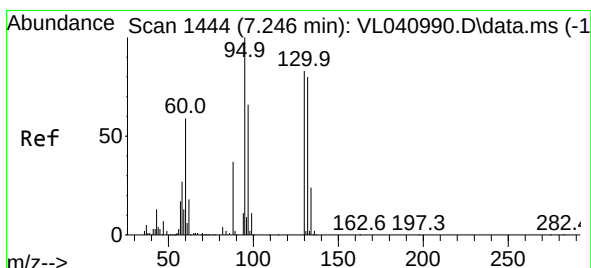
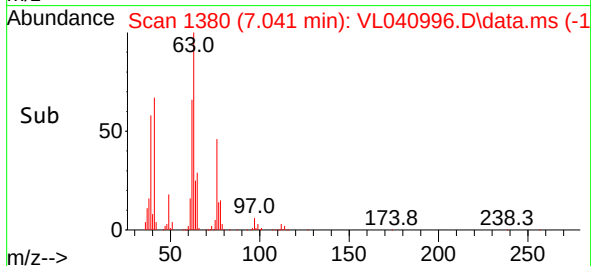
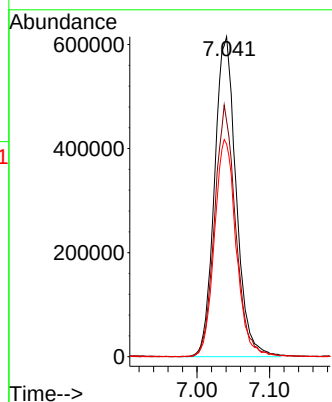
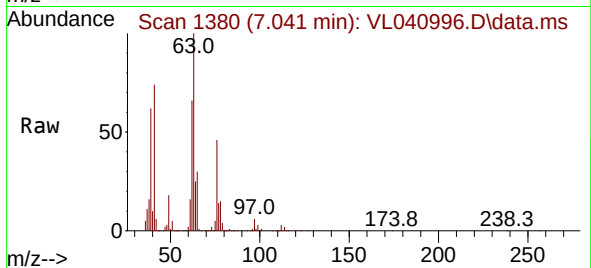
62 66.5 55.6 83.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 01/24/2024

Supervised By :Mahesh Dadoda 01/24/2024



#40

1,4-Dioxane

Concen: 14.920 ppbv

RT: 7.250 min Scan# 1445

Delta R.T. 0.003 min

Lab File: VL040996.D

Acq: 23 Jan 2024 13:34

Tgt Ion: 88 Resp: 523126

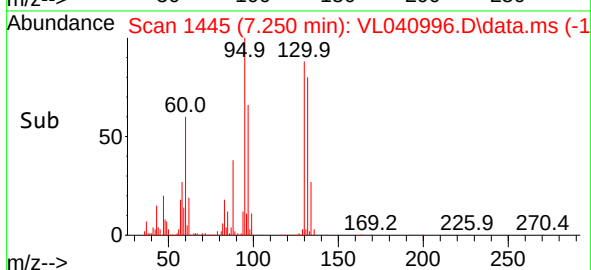
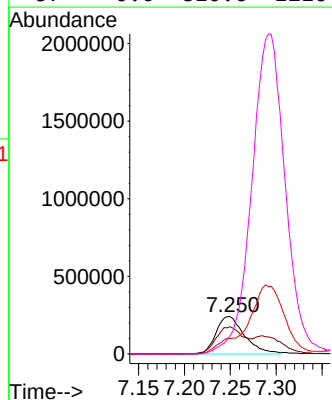
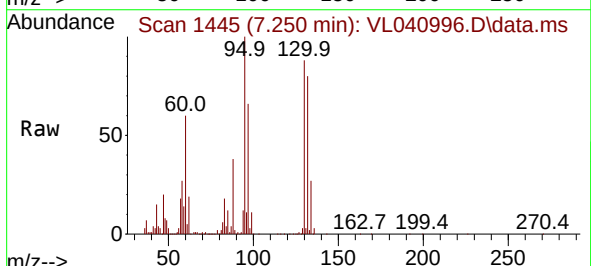
Ion Ratio Lower Upper

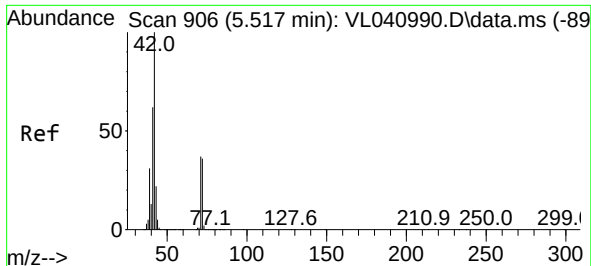
88 100

58 73.8 96.6 144.8#

43 0.0 191.0 286.6#

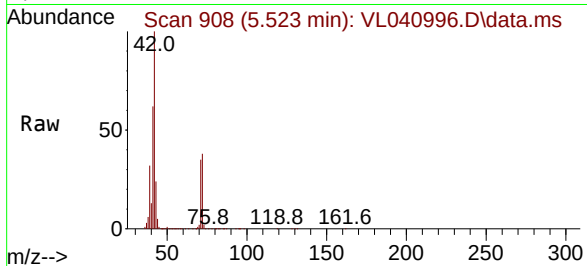
57 0.0 810.6 1216.0#





#41
Tetrahydrofuran
Concen: 15.179 ppbv
RT: 5.523 min Scan# 906
Delta R.T. 0.006 min
Lab File: VL040996.D
Acq: 23 Jan 2024 13:34

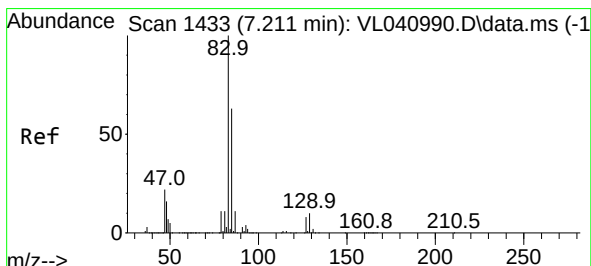
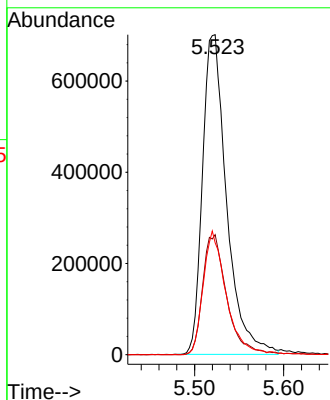
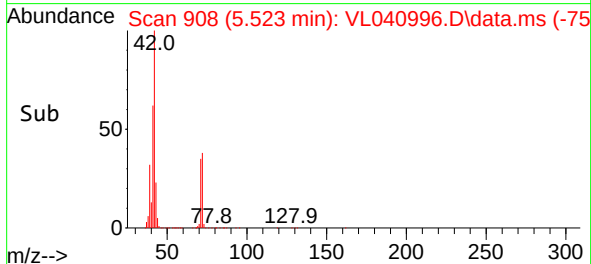
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015



Tgt Ion: 42 Resp: 1320620
Ion Ratio Lower Upper
42 100
72 37.9 30.0 45.0
71 37.2 29.5 44.3

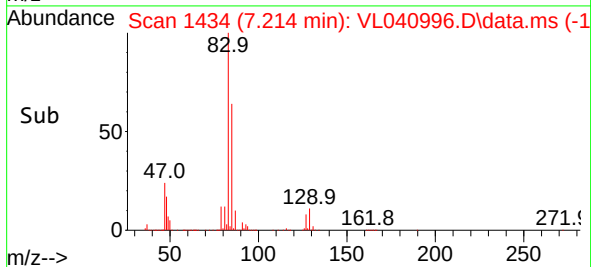
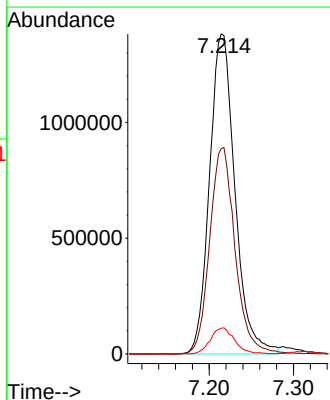
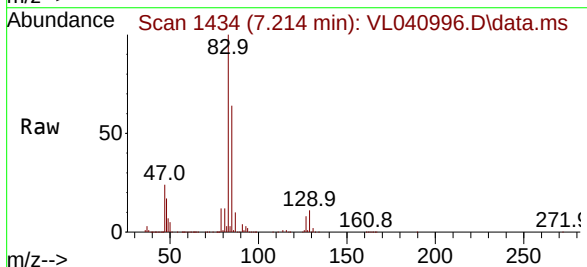
Manual Integrations
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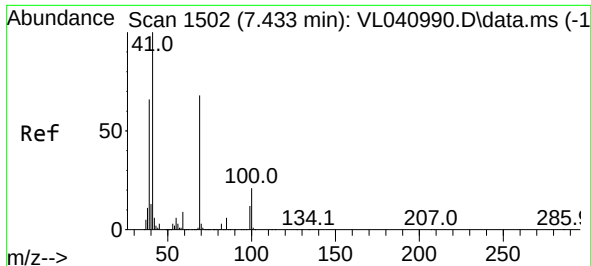
Reviewed By :Semsettin Yesilyurt 01/24/2024
Supervised By :Mahesh Dadoda 01/24/2024



#42
Bromodichloromethane
Concen: 15.867 ppbv
RT: 7.214 min Scan# 1434
Delta R.T. 0.003 min
Lab File: VL040996.D
Acq: 23 Jan 2024 13:34

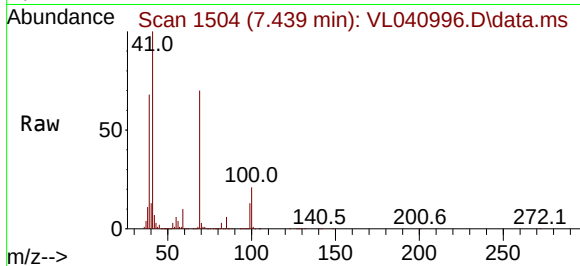
Tgt Ion: 83 Resp: 2897651
Ion Ratio Lower Upper
83 100
85 64.2 50.5 75.7
127 8.1 6.4 9.6





#43
Methyl Methacrylate
Concen: 16.352 ppbv
RT: 7.439 min Scan# 1504
Delta R.T. 0.006 min
Lab File: VL040996.D
Acq: 23 Jan 2024 13:34

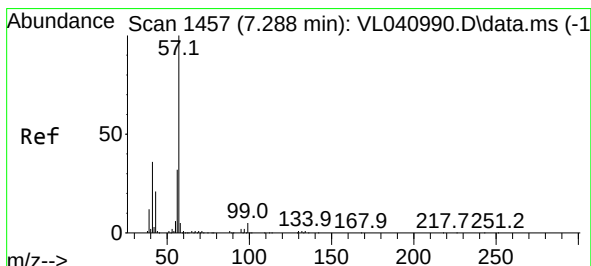
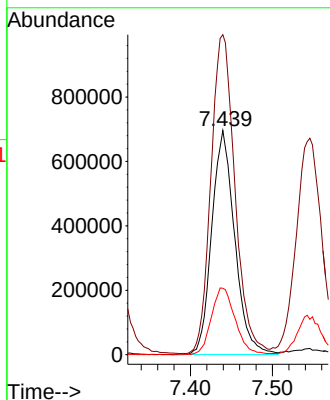
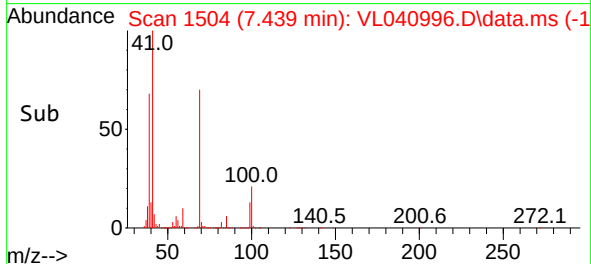
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



Tgt Ion: 69 Resp: 1355349
Ion Ratio Lower Upper
69 100
41 149.8 120.2 180.2
100 31.0 24.6 36.8

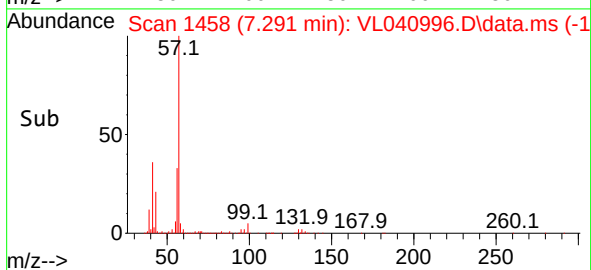
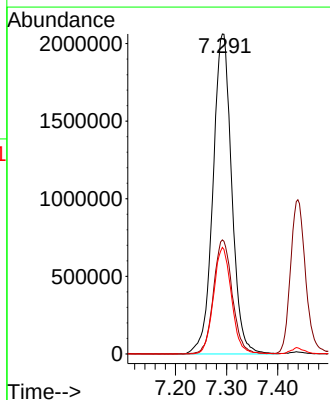
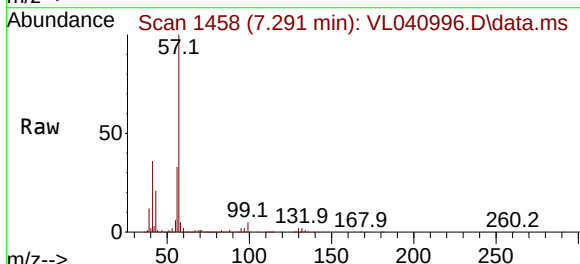
Manual Integrations
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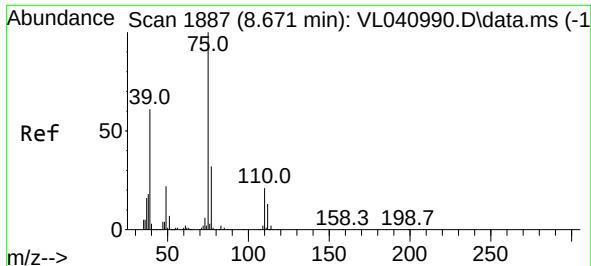
Reviewed By :Semsettin Yesilyurt 01/24/2024
Supervised By :Mahesh Dadoda 01/24/2024



#44
2,2,4-Trimethylpentane
Concen: 14.618 ppbv
RT: 7.291 min Scan# 1458
Delta R.T. 0.003 min
Lab File: VL040996.D
Acq: 23 Jan 2024 13:34

Tgt Ion: 57 Resp: 5247145
Ion Ratio Lower Upper
57 100
41 35.8 28.6 43.0
56 32.0 25.2 37.8





#45

t-1,3-Dichloropropene

Concen: 17.116 ppbv

RT: 8.674 min Scan# 1887

Delta R.T. 0.003 min

Lab File: VL040996.D

Acq: 23 Jan 2024 13:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tgt Ion: 75 Resp: 1052574

Ion Ratio Lower Upper

75 100

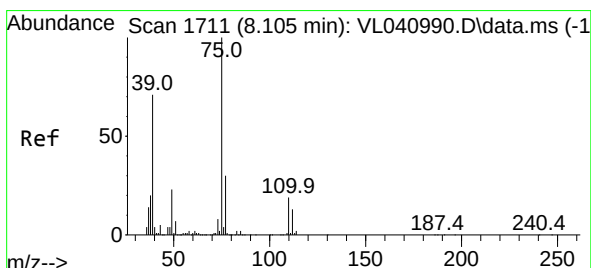
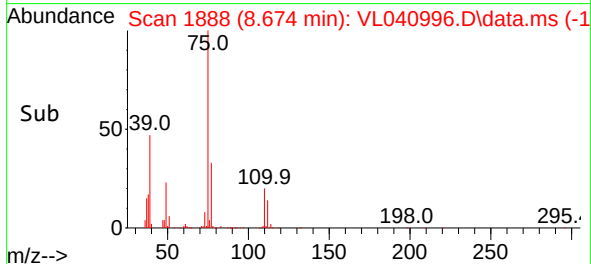
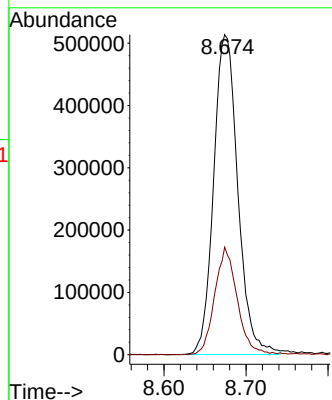
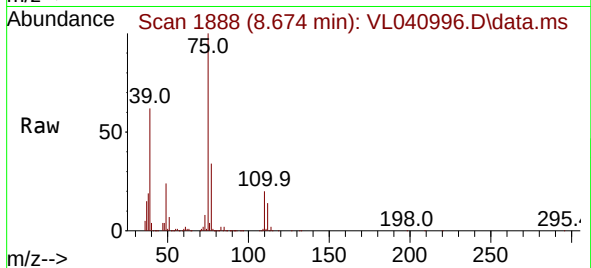
77 33.6 25.3 37.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 01/24/2024

Supervised By :Mahesh Dadoda 01/24/2024



#46

cis-1,3-Dichloropropene

Concen: 15.947 ppbv

RT: 8.105 min Scan# 1711

Delta R.T. 0.000 min

Lab File: VL040996.D

Acq: 23 Jan 2024 13:34

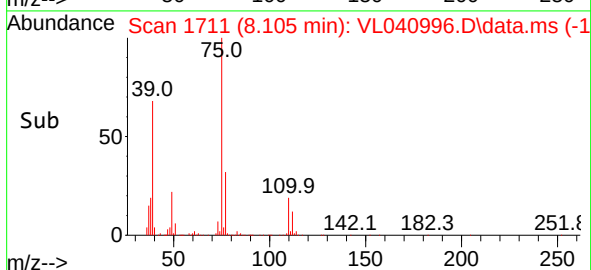
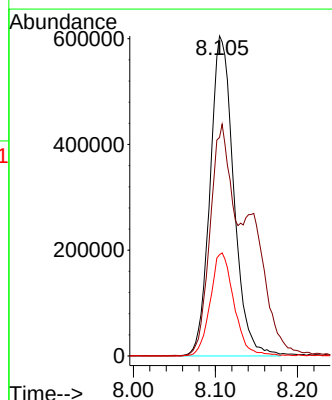
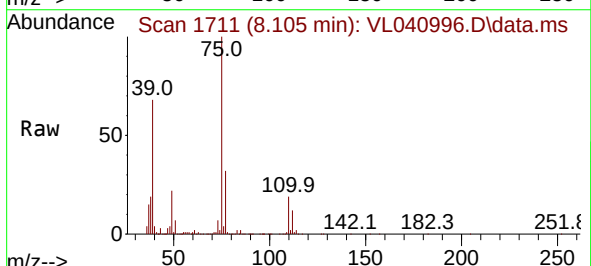
Tgt Ion: 75 Resp: 1214116

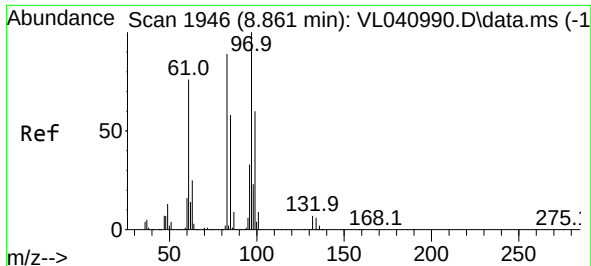
Ion Ratio Lower Upper

75 100

39 68.2 57.3 85.9

77 31.7 24.3 36.5





#47

1,1,2-Trichloroethane

Concen: 15.706 ppbv

RT: 8.864 min Scan# 1946

Delta R.T. 0.003 min

Lab File: VL040996.D

Acq: 23 Jan 2024 13:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC015

Tgt Ion: 97 Resp: 1383510

Ion Ratio Lower Upper

97 100

83 89.7 71.5 107.3

85 59.1 46.1 69.1

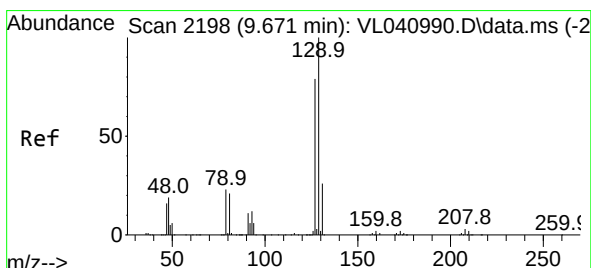
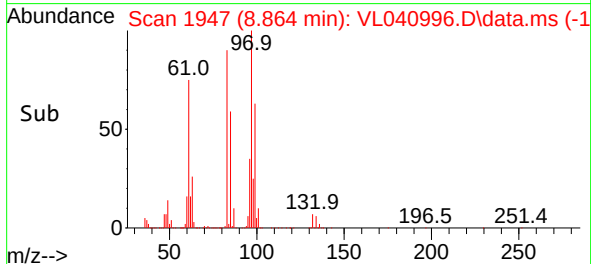
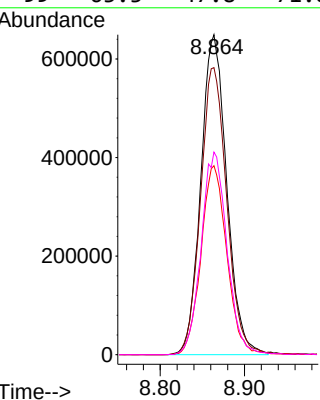
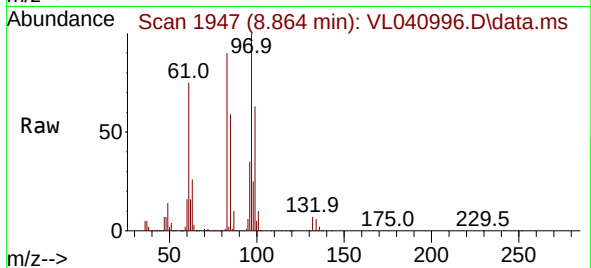
99 63.3 47.8 71.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 01/24/2024

Supervised By :Mahesh Dadoda 01/24/2024



#48

Dibromochloromethane

Concen: 16.638 ppbv

RT: 9.674 min Scan# 2199

Delta R.T. 0.003 min

Lab File: VL040996.D

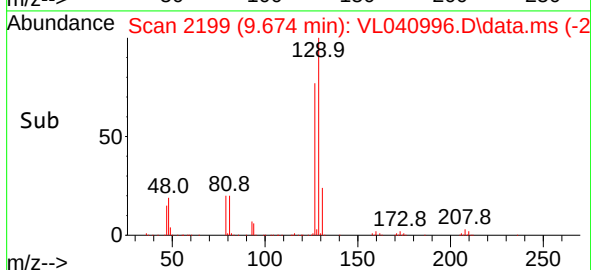
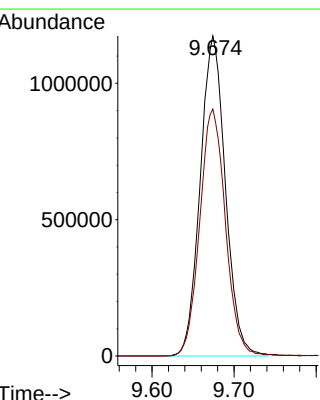
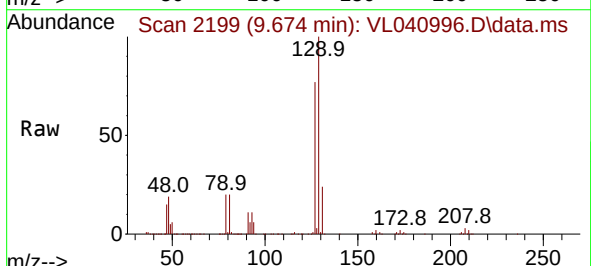
Acq: 23 Jan 2024 13:34

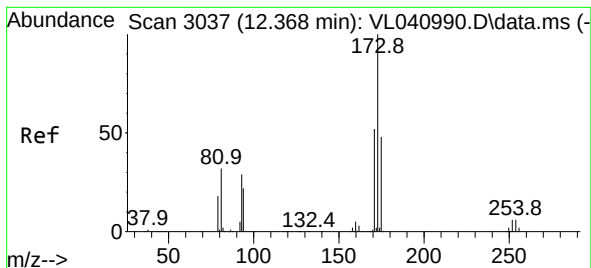
Tgt Ion:129 Resp: 2501695

Ion Ratio Lower Upper

129 100

127 78.8 39.6 119.0





#49

Bromoform

Concen: 17.758 ppbv

RT: 12.372 min Scan# 3037

Delta R.T. 0.003 min

Lab File: VL040996.D

Acq: 23 Jan 2024 13:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC015

Tgt Ion:173 Resp: 2060300

Ion Ratio Lower Upper

173 100

175 49.2 39.0 58.4

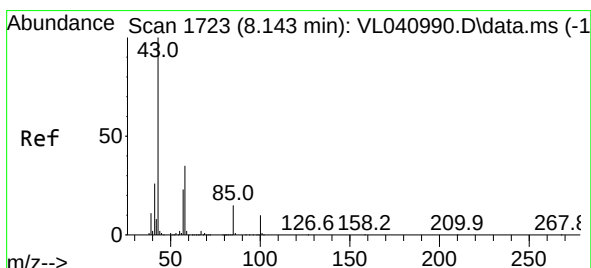
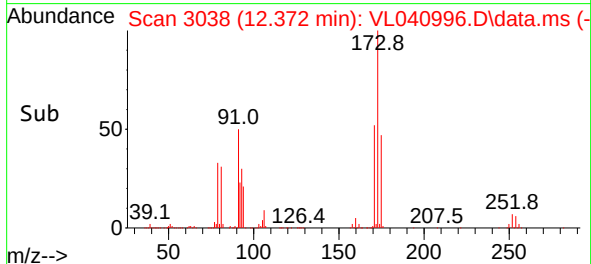
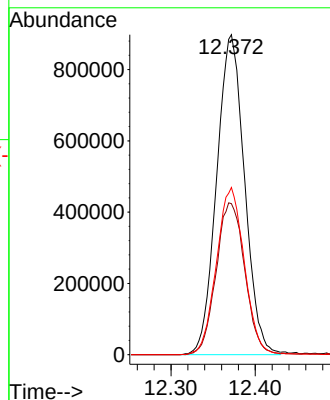
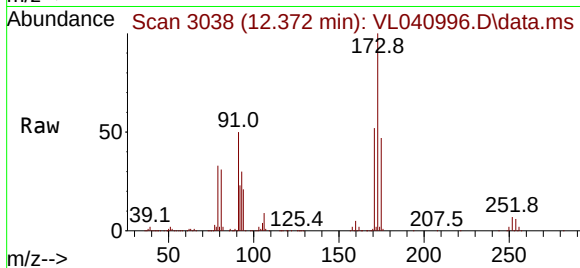
171 52.4 42.0 63.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 01/24/2024

Supervised By :Mahesh Dadoda 01/24/2024



#50

4-Methyl-2-Pentanone

Concen: 15.887 ppbv

RT: 8.144 min Scan# 1723

Delta R.T. 0.000 min

Lab File: VL040996.D

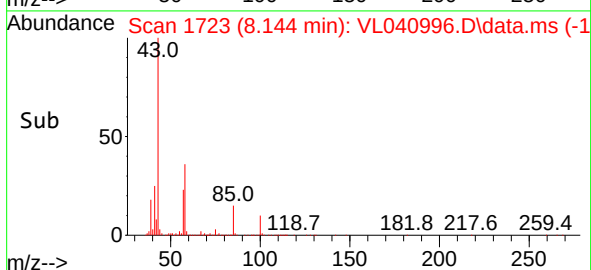
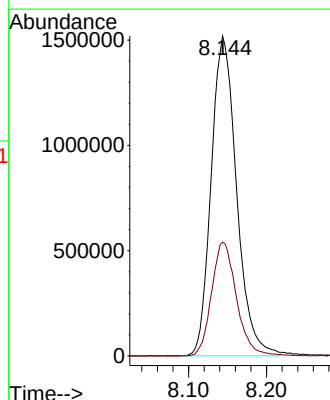
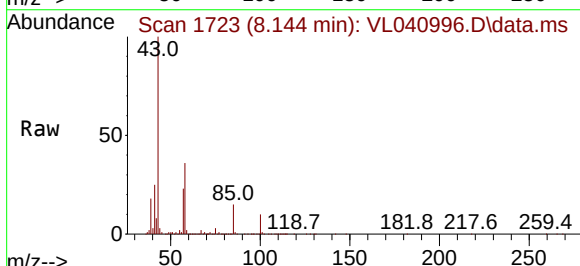
Acq: 23 Jan 2024 13:34

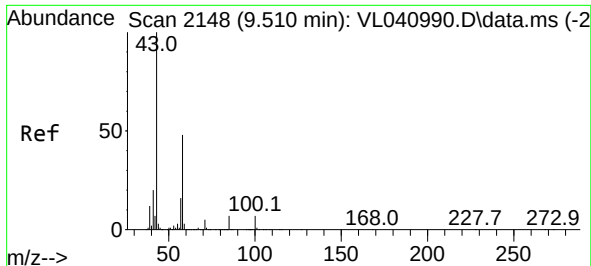
Tgt Ion: 43 Resp: 3440480

Ion Ratio Lower Upper

43 100

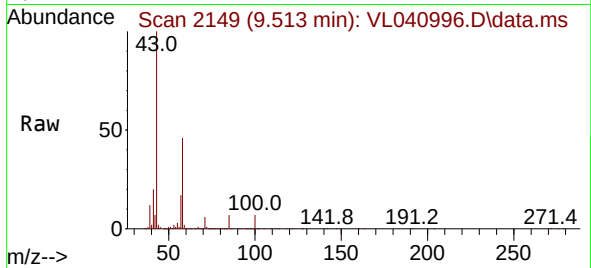
58 35.0 27.8 41.8





#51
2-Hexanone
Concen: 16.619 ppbv
RT: 9.513 min Scan# 2148
Delta R.T. 0.003 min
Lab File: VL040996.D
Acq: 23 Jan 2024 13:34

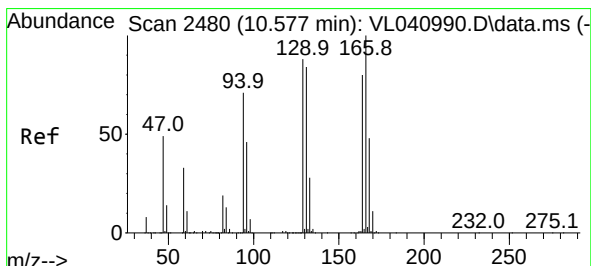
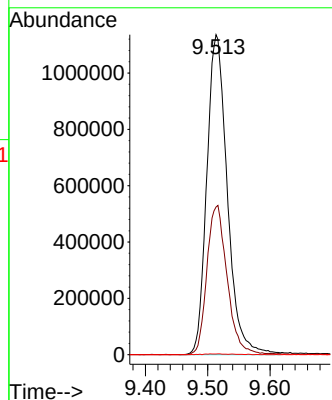
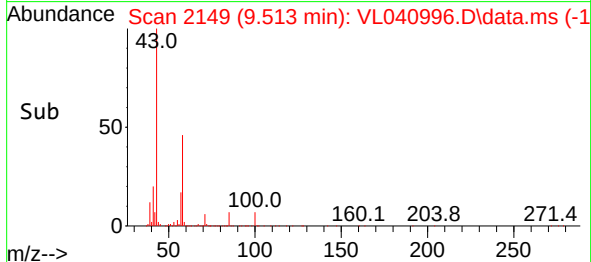
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



Tgt Ion: 43 Resp: 259061
Ion Ratio Lower Upper
43 100
58 46.4 36.8 55.2
98 0.4 0.3 0.5

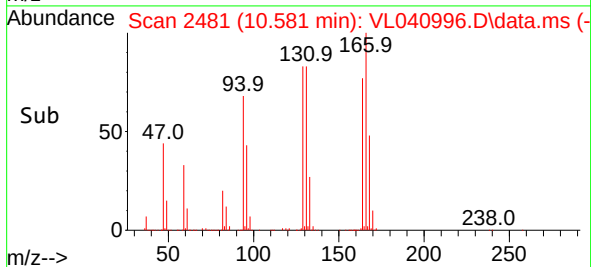
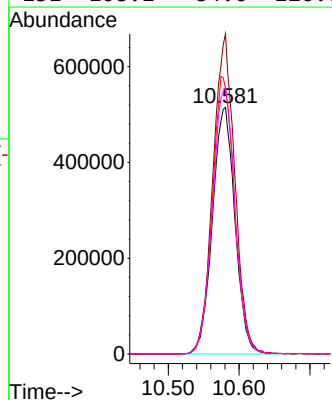
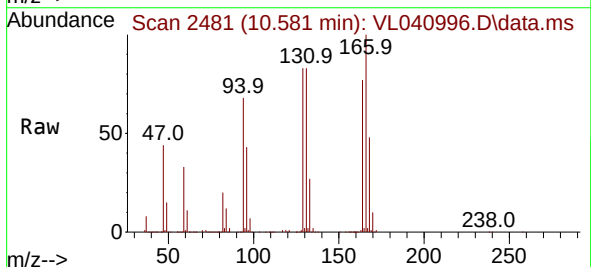
Manual Integrations
APPROVED

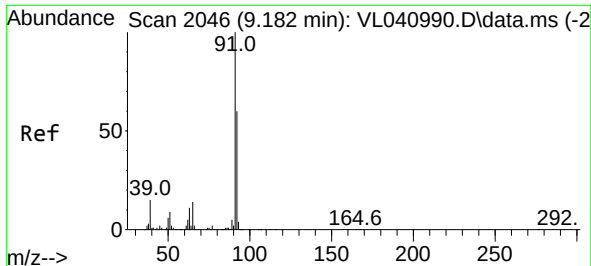
Reviewed By :Semsettin Yesilyurt 01/24/2024
Supervised By :Mahesh Dadoda 01/24/2024



#52
Tetrachloroethene
Concen: 15.931 ppbv
RT: 10.581 min Scan# 2481
Delta R.T. 0.003 min
Lab File: VL040996.D
Acq: 23 Jan 2024 13:34

Tgt Ion:164 Resp: 1134081
Ion Ratio Lower Upper
164 100
166 129.9 100.2 150.2
129 107.6 87.9 131.9
131 108.1 84.0 126.0





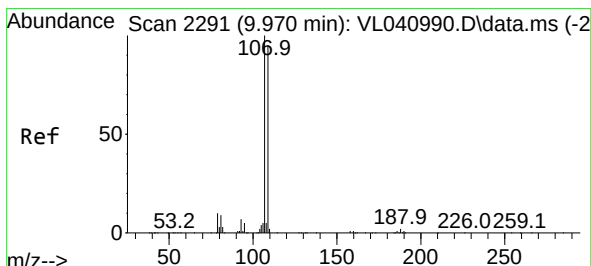
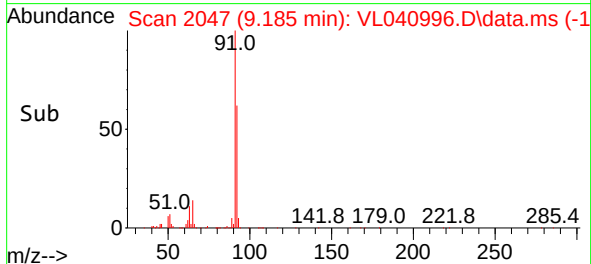
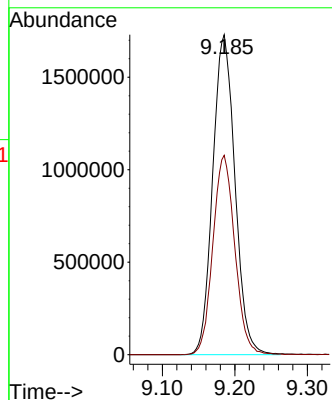
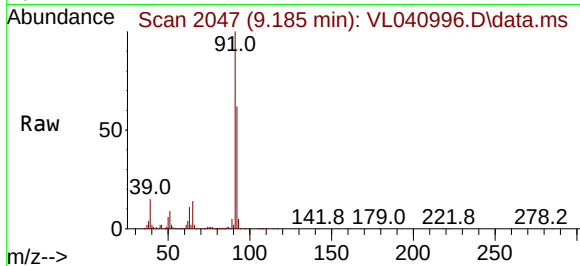
#53
Toluene
Concen: 15.724 ppbv
RT: 9.185 min Scan# 2046
Delta R.T. 0.003 min
Lab File: VL040996.D
Acq: 23 Jan 2024 13:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tgt Ion: 91 Resp: 3684320
Ion Ratio Lower Upper
91 100
92 61.6 48.6 72.8

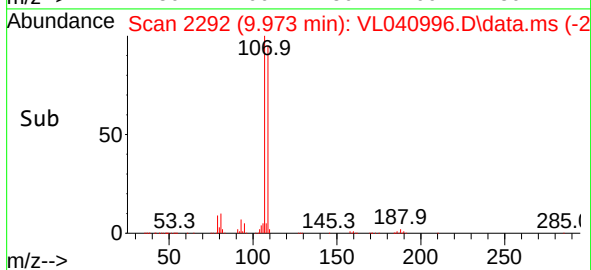
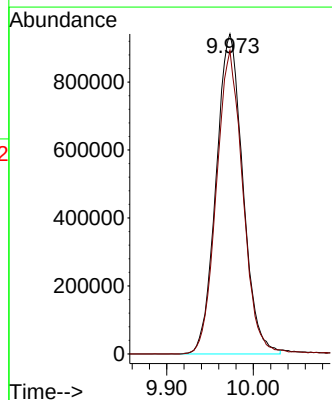
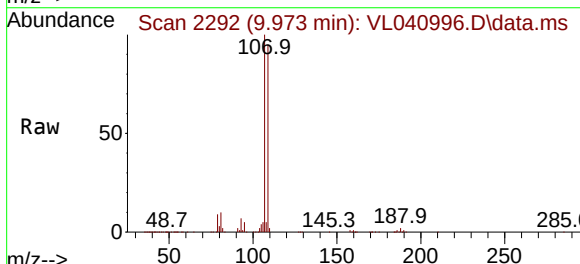
Manual Integrations
APPROVED

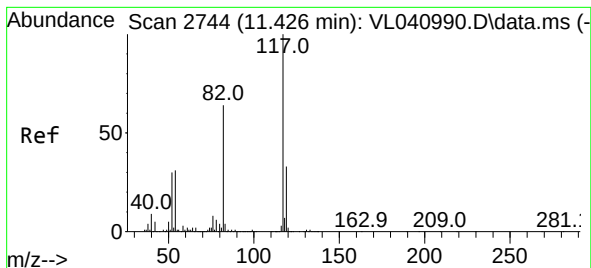
Reviewed By :Semsettin Yesilyurt 01/24/2024
Supervised By :Mahesh Dadoda 01/24/2024



#54
1,2-Dibromoethane
Concen: 16.740 ppbv
RT: 9.973 min Scan# 2292
Delta R.T. 0.003 min
Lab File: VL040996.D
Acq: 23 Jan 2024 13:34

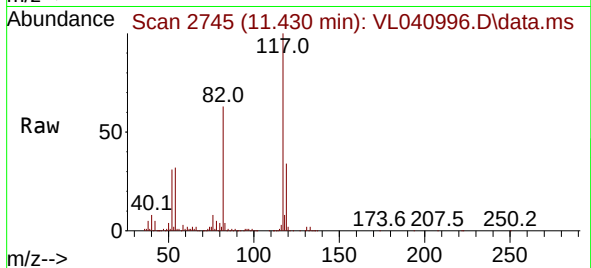
Tgt Ion:107 Resp: 2023638
Ion Ratio Lower Upper
107 100
109 94.8 76.1 114.1





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.430 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL040996.D
Acq: 23 Jan 2024 13:34

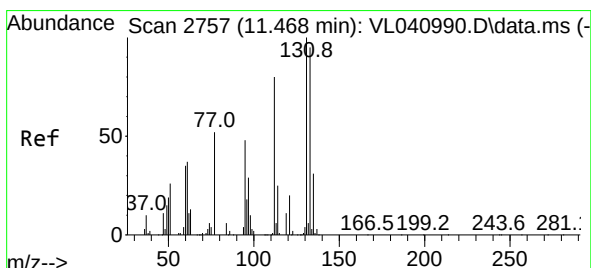
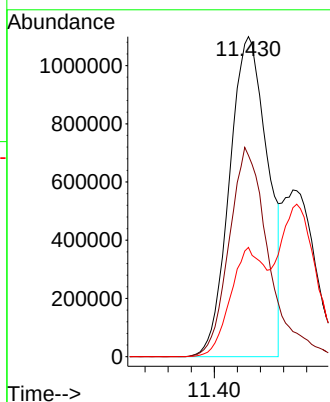
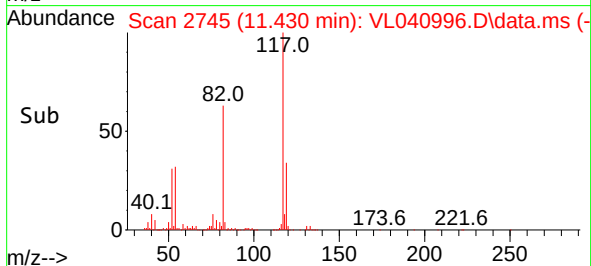
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



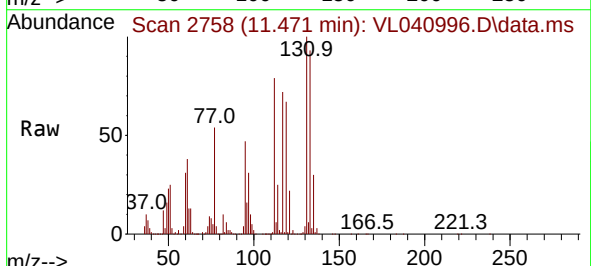
Tgt Ion:117 Resp: 252297
Ion Ratio Lower Upper
117 100
82 68.0 51.7 77.5
119 32.1 23.8 35.6

Manual Integrations
APPROVED

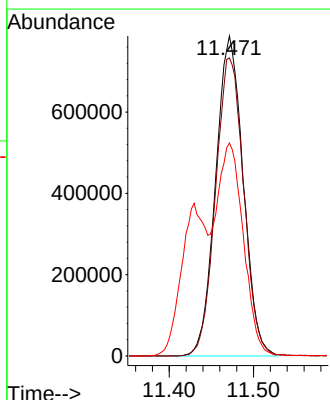
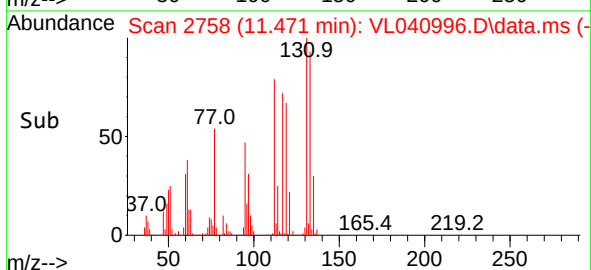
Reviewed By :Semsettin Yesilyurt 01/24/2024
Supervised By :Mahesh Dadoda 01/24/2024

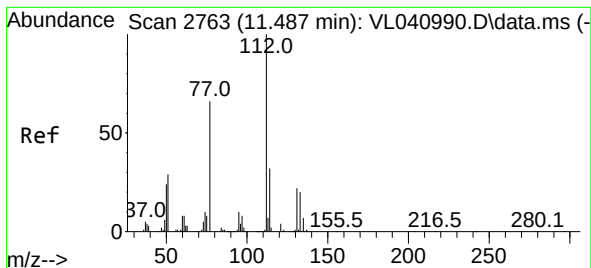


#56
1,1,1,2-Tetrachloroethane
Concen: 16.170 ppbv
RT: 11.471 min Scan# 2758
Delta R.T. 0.003 min
Lab File: VL040996.D
Acq: 23 Jan 2024 13:34



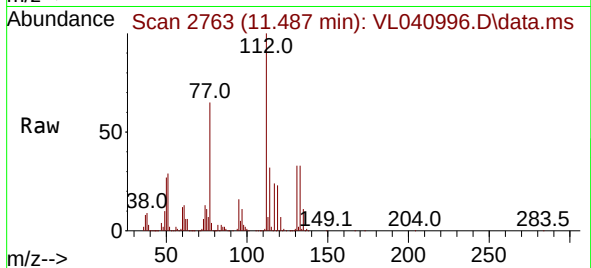
Tgt Ion:131 Resp: 1784019
Ion Ratio Lower Upper
131 100
133 95.4 75.9 113.9
119 109.8 49.2 73.8#





#57
Chlorobenzene
Concen: 15.707 ppbv
RT: 11.487 min Scan# 21
Delta R.T. 0.000 min
Lab File: VL040996.D
Acq: 23 Jan 2024 13:34

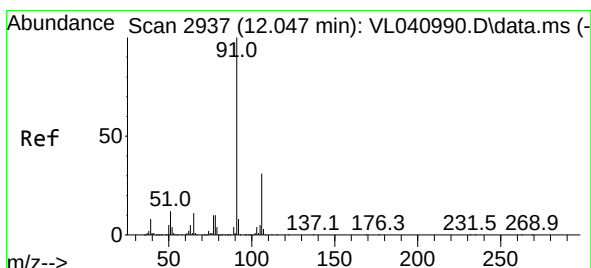
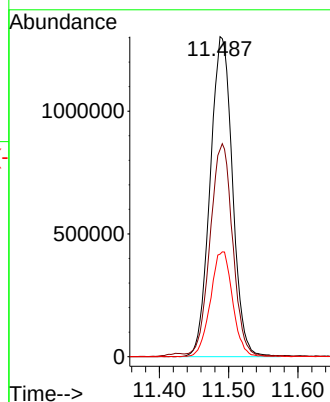
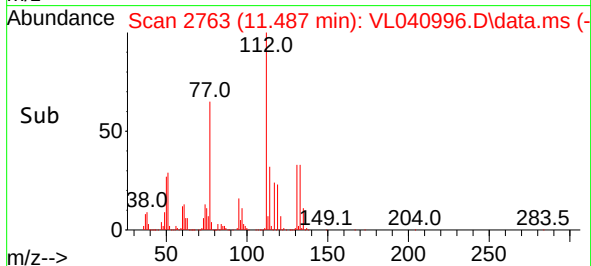
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



Tgt Ion:112 Resp: 291832
Ion Ratio Lower Upper
112 100
77 64.4 53.4 80.0
114 32.0 29.1 35.5

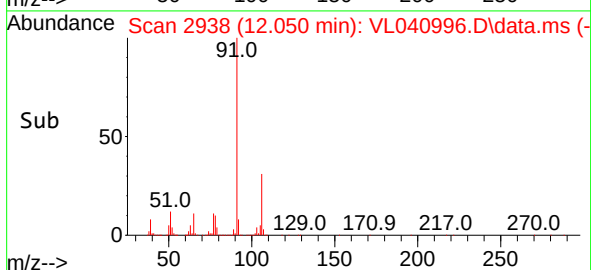
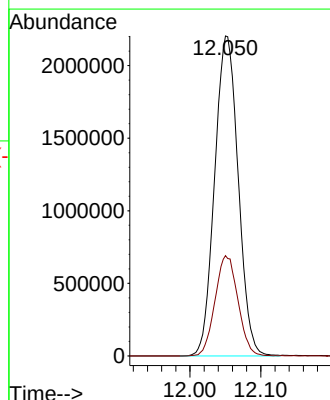
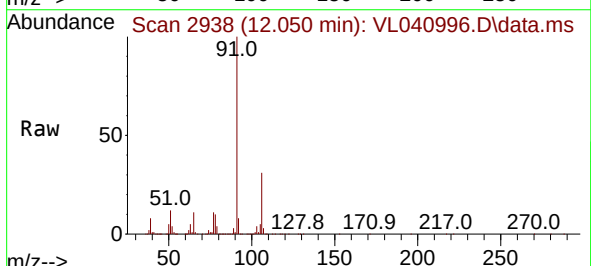
Manual Integrations
APPROVED

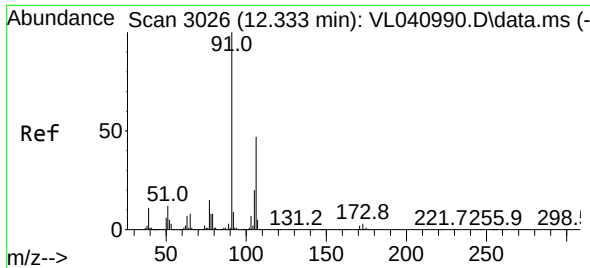
Reviewed By :Semsettin Yesilyurt 01/24/2024
Supervised By :Mahesh Dadoda 01/24/2024



#58
Ethyl Benzene
Concen: 15.686 ppbv
RT: 12.050 min Scan# 2938
Delta R.T. 0.003 min
Lab File: VL040996.D
Acq: 23 Jan 2024 13:34

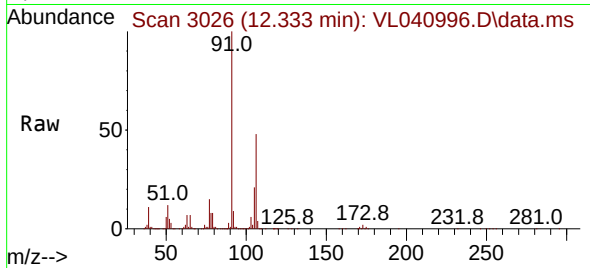
Tgt Ion: 91 Resp: 5083267
Ion Ratio Lower Upper
91 100
106 31.3 24.8 37.2





#59
m/p-Xylene
Concen: 31.487 ppbv m
RT: 12.333 min Scan# 3026
Delta R.T. 0.000 min
Lab File: VL040996.D
Acq: 23 Jan 2024 13:34

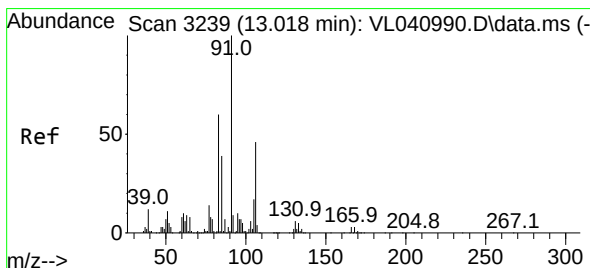
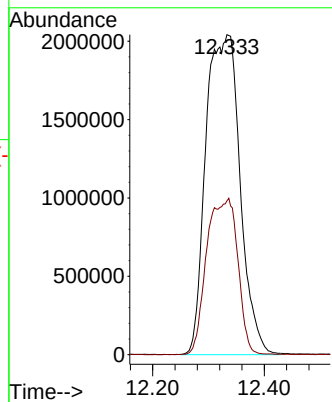
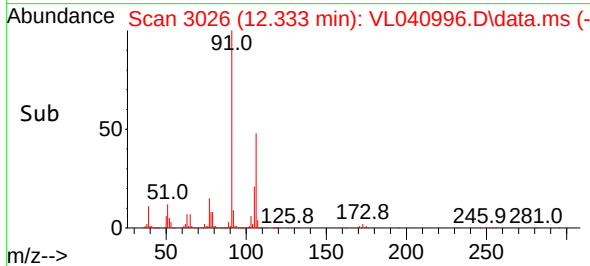
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015



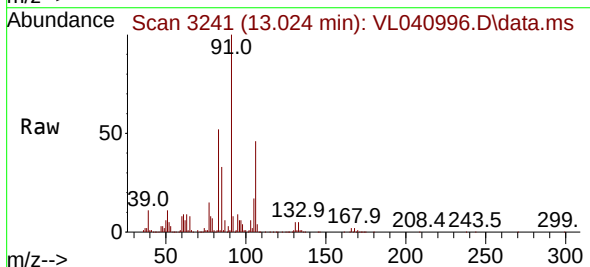
Tgt Ion: 91 Resp: 867907
Ion Ratio Lower Upper
91 100
106 44.4 34.9 52.3

Manual Integrations
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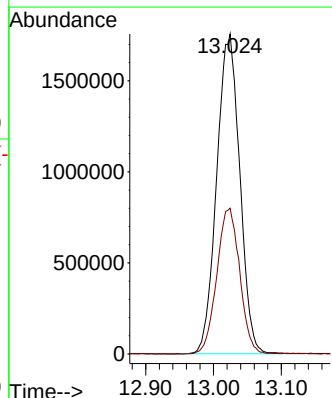
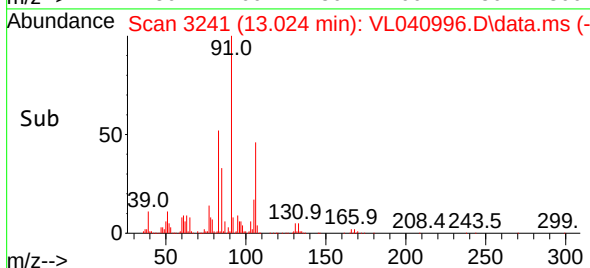
Reviewed By :Semsettin Yesilyurt 01/24/2024
Supervised By :Mahesh Dadoda 01/24/2024

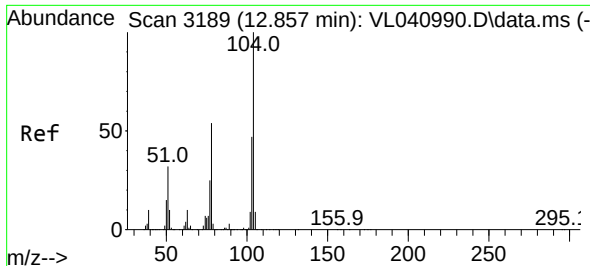


#60
o-Xylene
Concen: 15.990 ppbv
RT: 13.024 min Scan# 3241
Delta R.T. 0.006 min
Lab File: VL040996.D
Acq: 23 Jan 2024 13:34



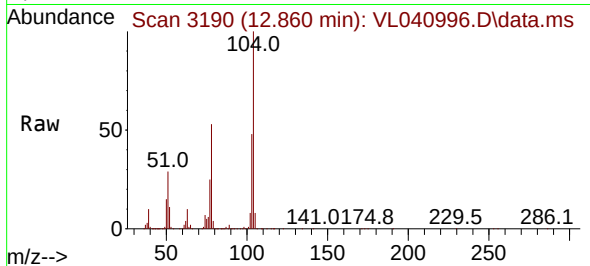
Tgt Ion: 91 Resp: 4152856
Ion Ratio Lower Upper
91 100
106 45.4 22.6 67.7





#61
Styrene
Concen: 17.773 ppbv
RT: 12.860 min Scan# 3189
Delta R.T. 0.003 min
Lab File: VL040996.D
Acq: 23 Jan 2024 13:34

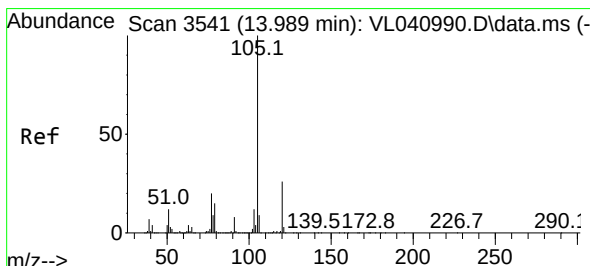
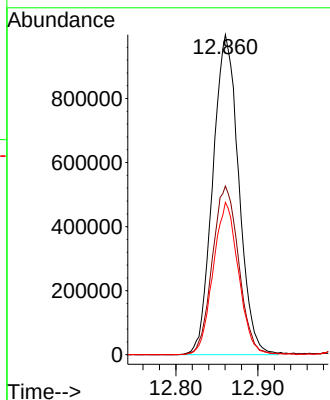
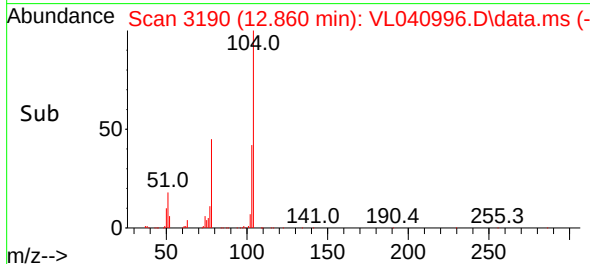
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



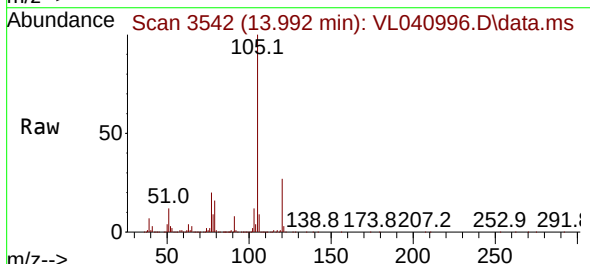
Tgt Ion:104 Resp: 2194225
Ion Ratio Lower Upper
104 100
78 53.8 42.7 64.1
103 46.7 37.6 56.4

Manual Integrations
APPROVED

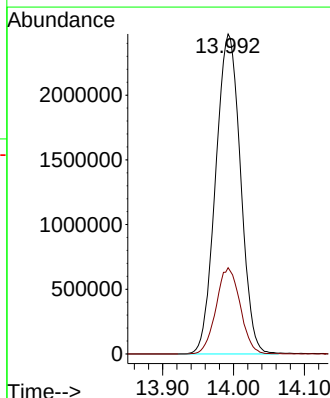
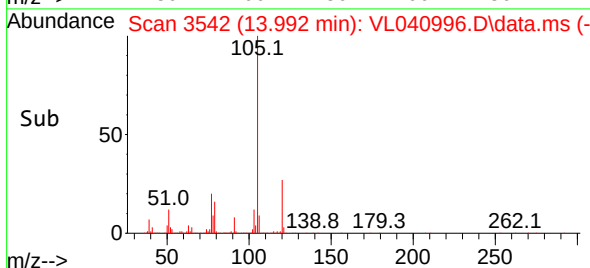
Reviewed By :Semsettin Yesilyurt 01/24/2024
Supervised By :Mahesh Dadoda 01/24/2024

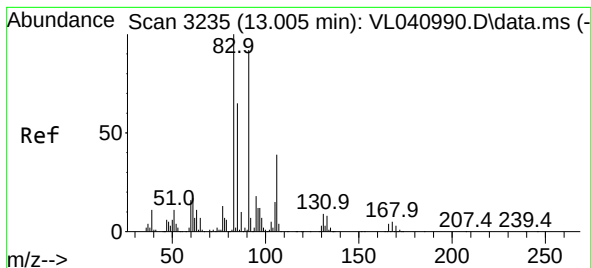


#62
Isopropylbenzene
Concen: 15.638 ppbv
RT: 13.992 min Scan# 3542
Delta R.T. 0.003 min
Lab File: VL040996.D
Acq: 23 Jan 2024 13:34



Tgt Ion:105 Resp: 6022856
Ion Ratio Lower Upper
105 100
120 26.2 20.9 31.3





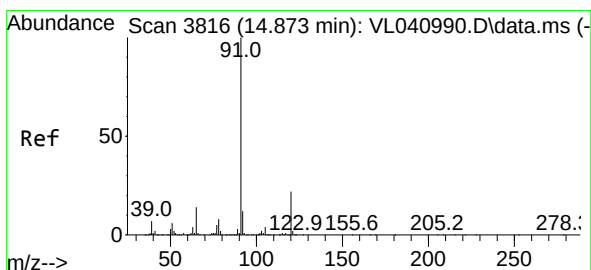
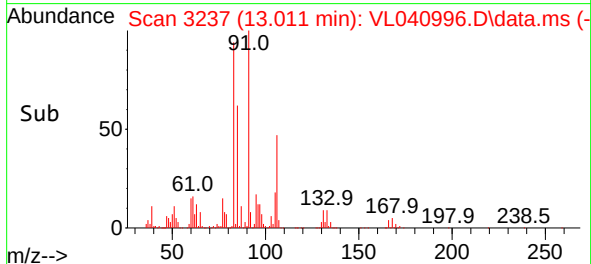
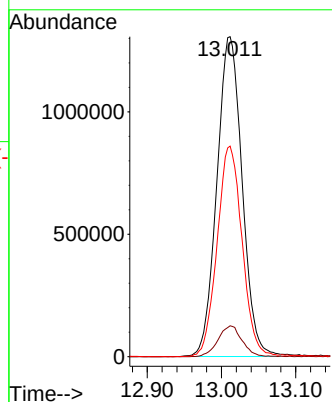
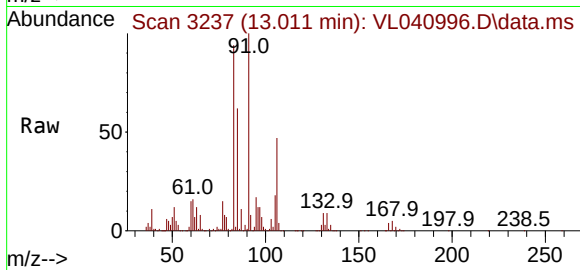
#63
1,1,2,2-Tetrachloroethane
Concen: 16.532 ppbv
RT: 13.011 min Scan# 31
Delta R.T. 0.006 min
Lab File: VL040996.D
Acq: 23 Jan 2024 13:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tgt Ion: 83 Resp: 309304
Ion Ratio Lower Upper
83 100
131 9.2 4.6 13.8
85 65.6 33.0 99.0

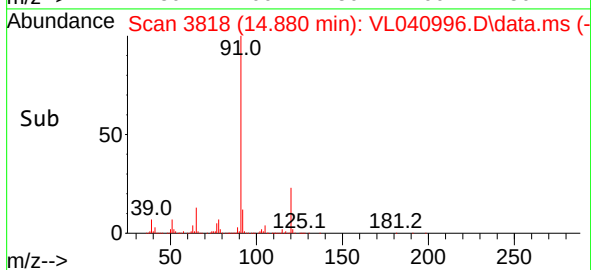
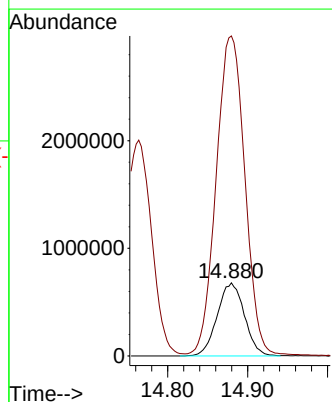
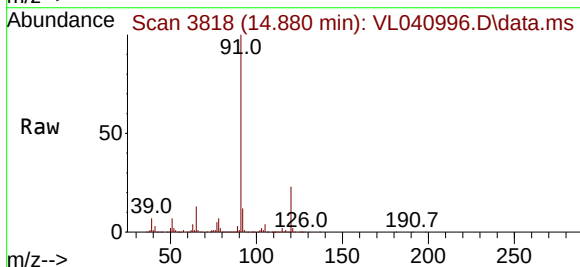
Manual Integrations
APPROVED

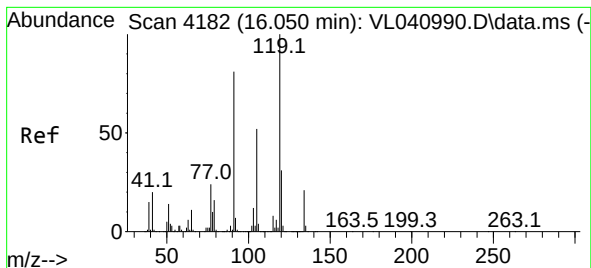
Reviewed By :Semsettin Yesilyurt 01/24/2024
Supervised By :Mahesh Dadoda 01/24/2024



#64
n-propylbenzene
Concen: 16.608 ppbv
RT: 14.880 min Scan# 3818
Delta R.T. 0.006 min
Lab File: VL040996.D
Acq: 23 Jan 2024 13:34

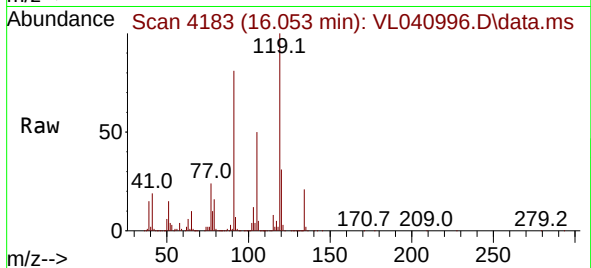
Tgt Ion:120 Resp: 1604443
Ion Ratio Lower Upper
120 100
91 464.9 390.6 585.8





#65
tert-Butylbenzene
Concen: 16.352 ppbv
RT: 16.053 min Scan# 4182
Delta R.T. 0.003 min
Lab File: VL040996.D
Acq: 23 Jan 2024 13:34

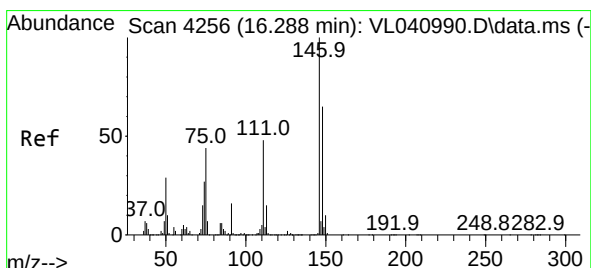
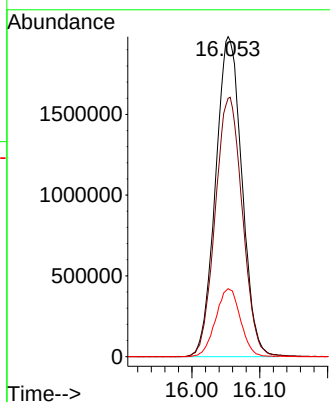
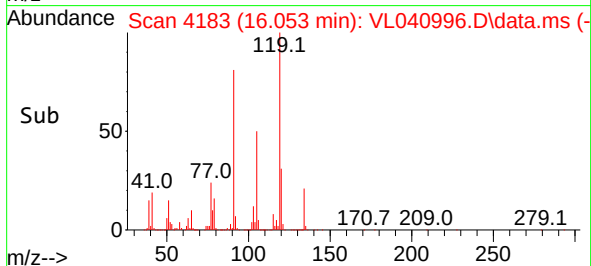
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015



Tgt Ion:119 Resp: 535323
Ion Ratio Lower Upper
119 100
91 83.5 67.6 101.4
134 20.1 16.1 24.1

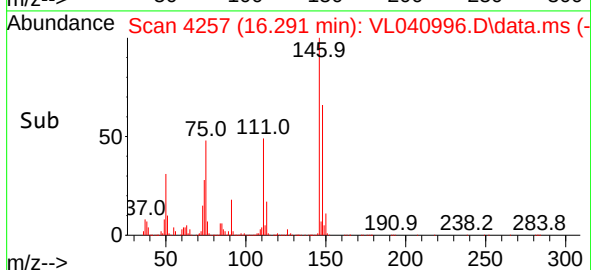
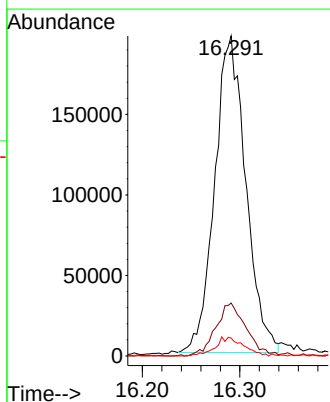
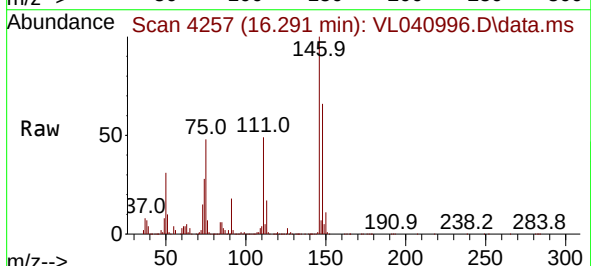
Manual Integrations
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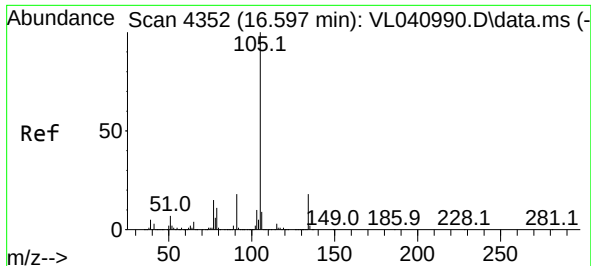
Reviewed By :Semsettin Yesilyurt 01/24/2024
Supervised By :Mahesh Dadoda 01/24/2024



#66
Benzyl Chloride
Concen: 19.461 ppbv
RT: 16.291 min Scan# 4257
Delta R.T. 0.003 min
Lab File: VL040996.D
Acq: 23 Jan 2024 13:34

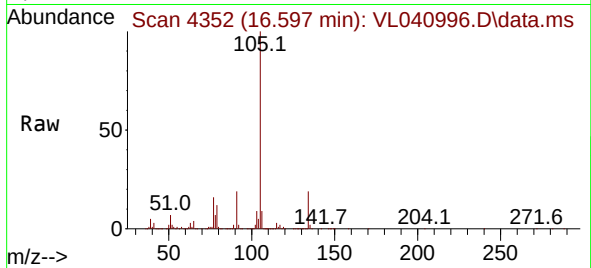
Tgt Ion: 91 Resp: 435979
Ion Ratio Lower Upper
91 100
126 16.6 13.6 20.4
128 5.7 4.2 6.2





#67
 sec-Butylbenzene
 Concen: 15.641 ppbv
 RT: 16.597 min Scan# 41
 Delta R.T. 0.000 min
 Lab File: VL040996.D
 Acq: 23 Jan 2024 13:34

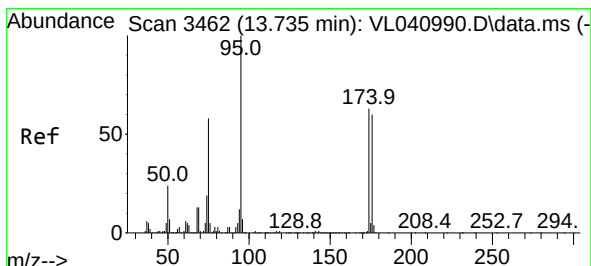
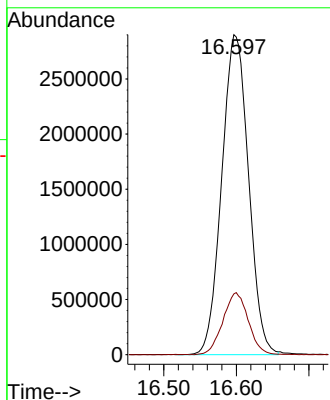
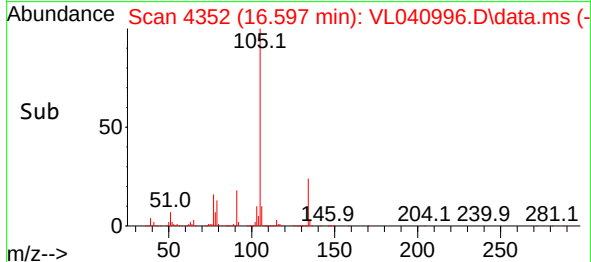
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015



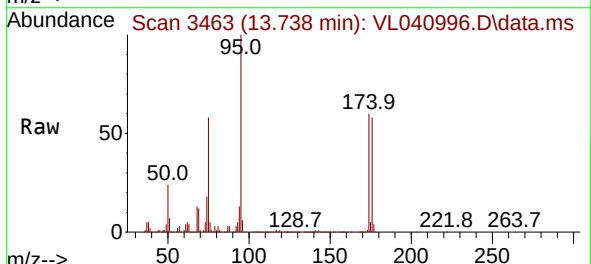
Tgt Ion:105 Resp: 744165
 Ion Ratio Lower Upper
 105 100
 134 18.4 14.2 21.4

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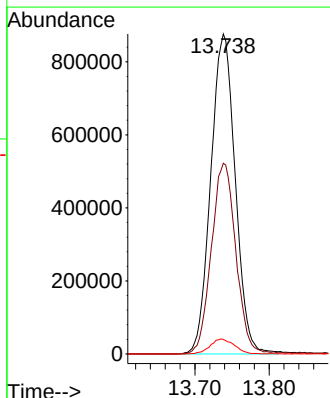
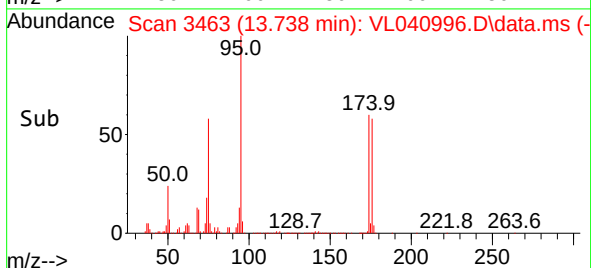
Reviewed By :Semsettin Yesilyurt 01/24/2024
 Supervised By :Mahesh Dadoda 01/24/2024

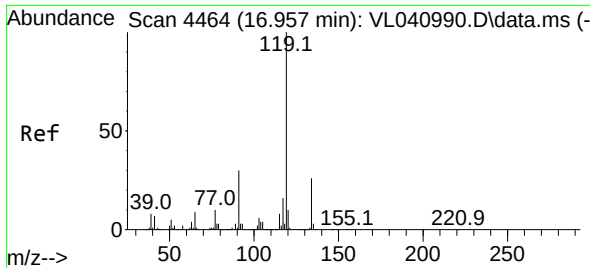


#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.802 ppbv
 RT: 13.738 min Scan# 3463
 Delta R.T. 0.003 min
 Lab File: VL040996.D
 Acq: 23 Jan 2024 13:34



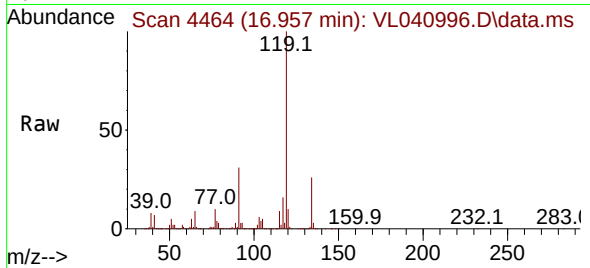
Tgt Ion: 95 Resp: 2007428
 Ion Ratio Lower Upper
 95 100
 174 60.2 49.1 73.7
 175 4.7 3.7 5.5





#69
p-Isopropyltoluene
Concen: 16.417 ppbv
RT: 16.957 min Scan# 4464
Delta R.T. 0.000 min
Lab File: VL040996.D
Acq: 23 Jan 2024 13:34

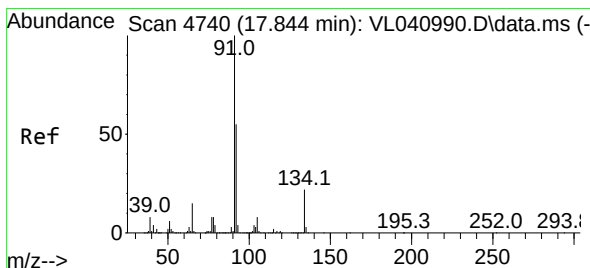
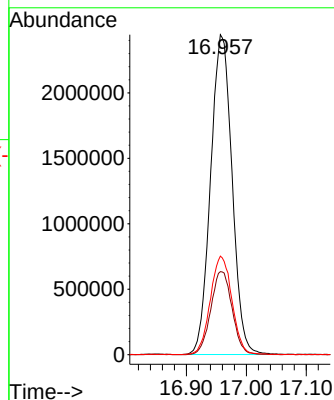
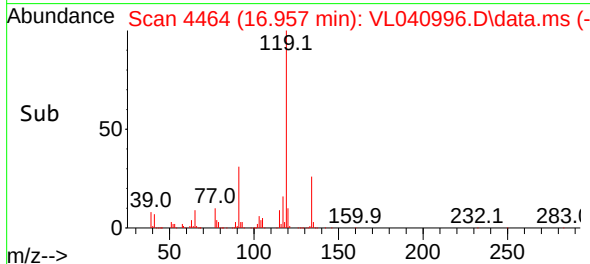
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



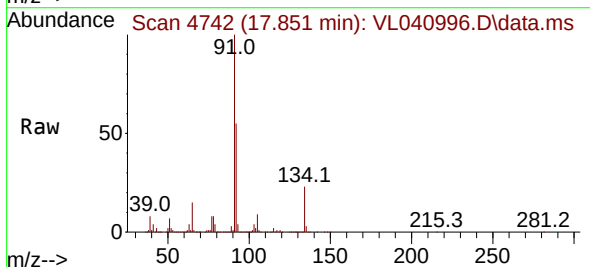
Tgt Ion: 119 Resp: 607108
Ion Ratio Lower Upper
119 100
134 25.9 20.6 30.8
91 31.0 24.5 36.7

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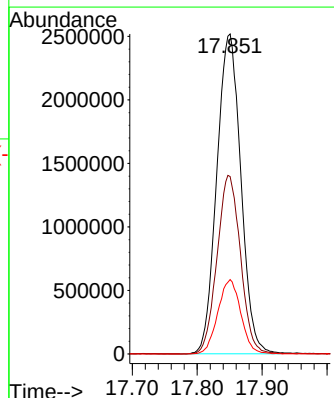
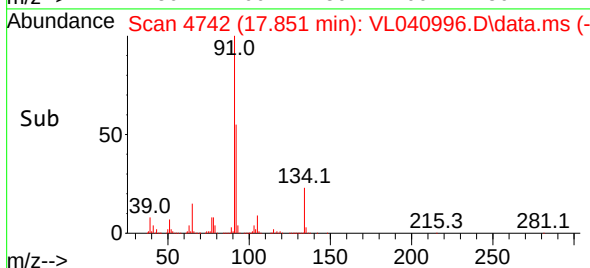
Reviewed By :Semsettin Yesilyurt 01/24/2024
Supervised By :Mahesh Dadoda 01/24/2024

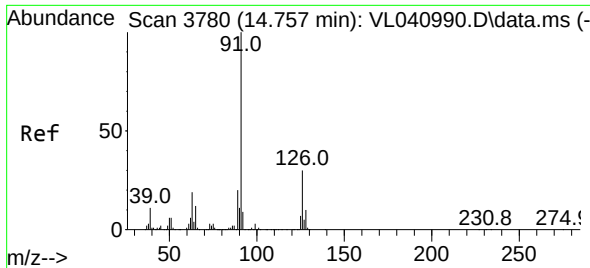


#70
n-Butylbenzene
Concen: 16.854 ppbv
RT: 17.851 min Scan# 4742
Delta R.T. 0.006 min
Lab File: VL040996.D
Acq: 23 Jan 2024 13:34



Tgt Ion: 91 Resp: 6470351
Ion Ratio Lower Upper
91 100
92 54.4 43.4 65.0
134 22.2 17.4 26.0





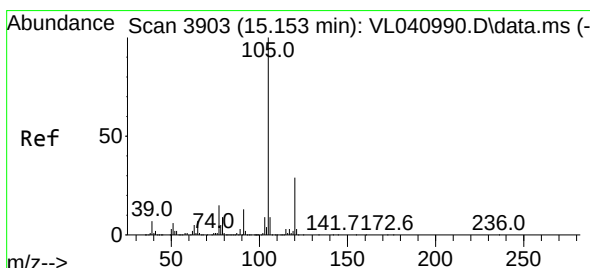
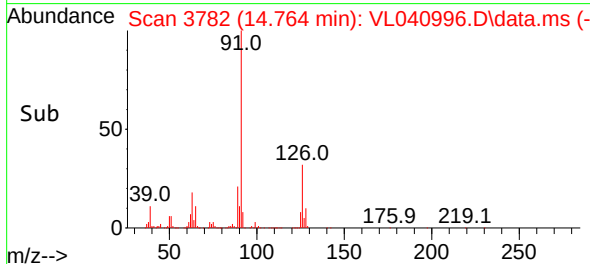
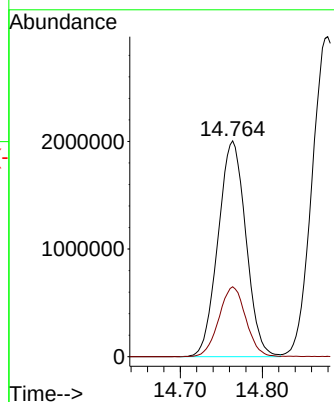
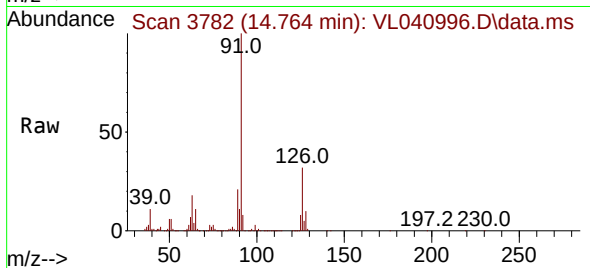
#71
2-Chlorotoluene
Concen: 15.955 ppbv
RT: 14.764 min Scan# 31
Delta R.T. 0.006 min
Lab File: VL040996.D
Acq: 23 Jan 2024 13:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tgt Ion: 91 Resp: 473224
Ion Ratio Lower Upper
91 100
126 31.6 12.3 49.1

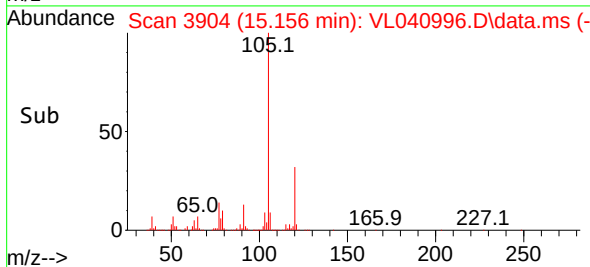
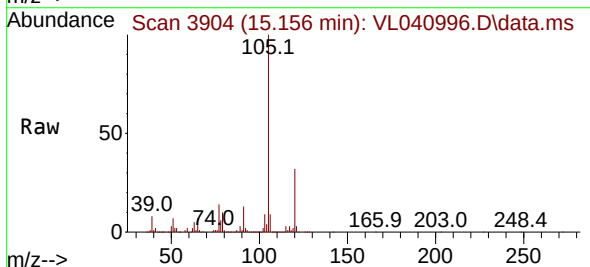
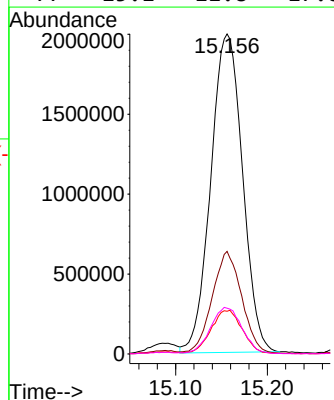
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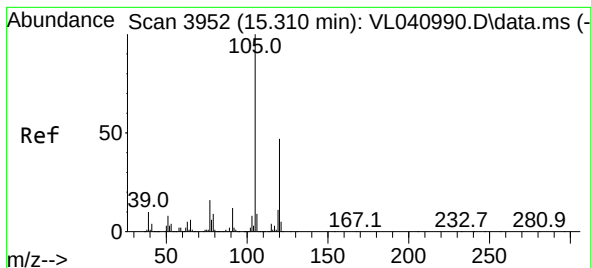
Reviewed By :Semsettin Yesilyurt 01/24/2024
Supervised By :Mahesh Dadoda 01/24/2024



#72
4-Ethyltoluene
Concen: 16.834 ppbv
RT: 15.156 min Scan# 3904
Delta R.T. 0.003 min
Lab File: VL040996.D
Acq: 23 Jan 2024 13:34

Tgt Ion:105 Resp: 4798358
Ion Ratio Lower Upper
105 100
120 30.3 24.3 36.5
91 14.4 11.0 16.4
77 15.1 11.8 17.8





#73

1,3,5-Trimethylbenzene

Concen: 16.747 ppbv

RT: 15.314 min Scan# 3952

Delta R.T. 0.003 min

Lab File: VL040996.D

Acq: 23 Jan 2024 13:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC015

Tgt Ion:105 Resp: 4120108

Ion Ratio Lower Upper

105 100

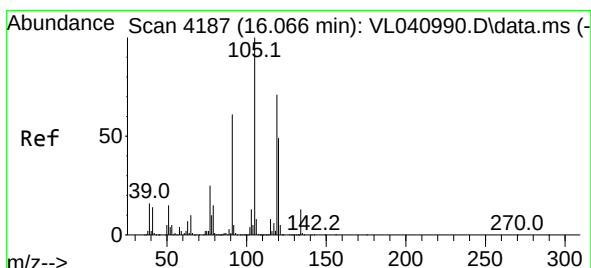
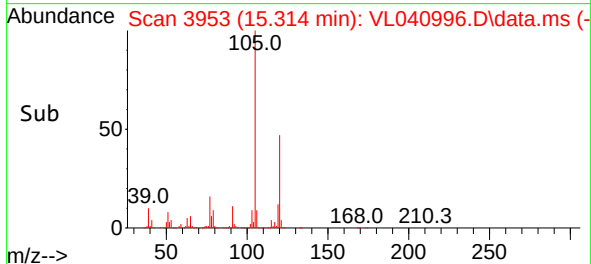
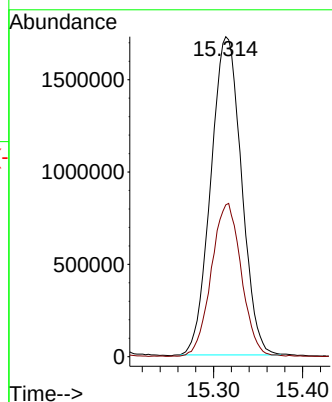
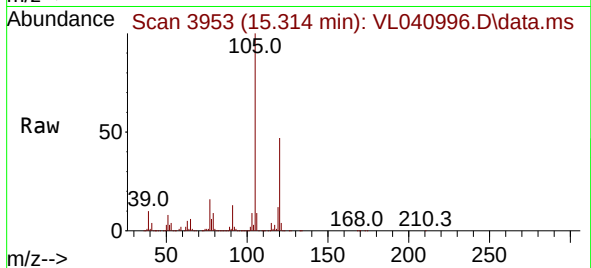
120 47.5 37.2 55.8

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 01/24/2024

Supervised By :Mahesh Dadoda 01/24/2024



#74

1,2,4-Trimethylbenzene

Concen: 16.664 ppbv

RT: 16.072 min Scan# 4189

Delta R.T. 0.006 min

Lab File: VL040996.D

Acq: 23 Jan 2024 13:34

Tgt Ion:105 Resp: 4562526

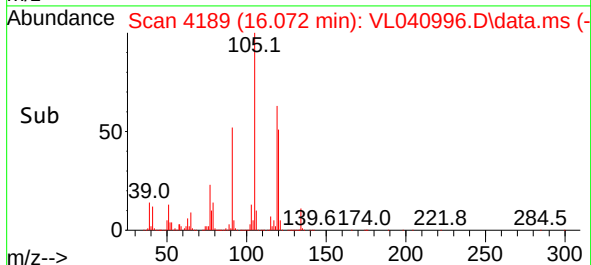
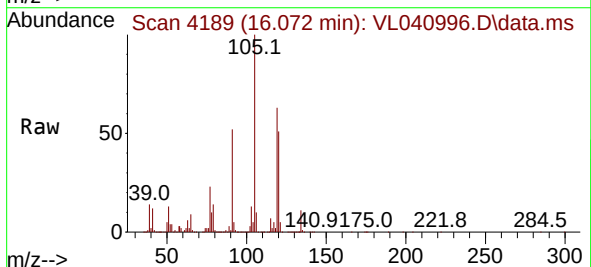
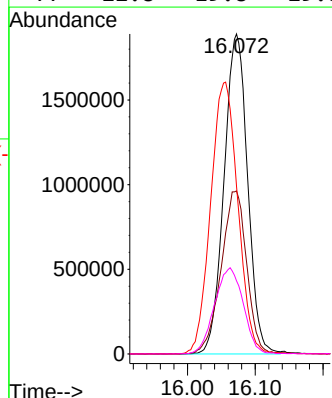
Ion Ratio Lower Upper

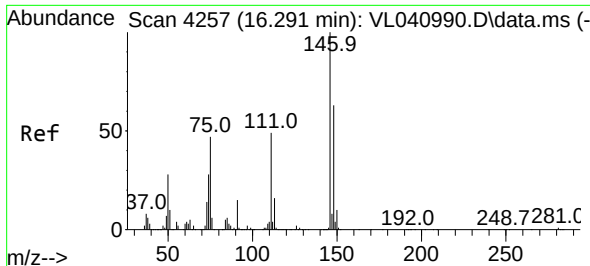
105 100

120 50.9 39.3 58.9

91 52.3 48.7 73.1

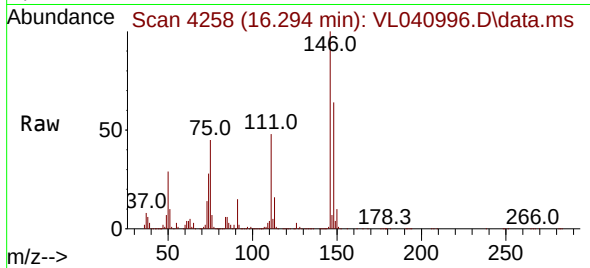
77 22.8 19.8 29.8





#75
1,3-Dichlorobenzene
Concen: 16.945 ppbv
RT: 16.294 min Scan# 4257
Delta R.T. 0.003 min
Lab File: VL040996.D
Acq: 23 Jan 2024 13:34

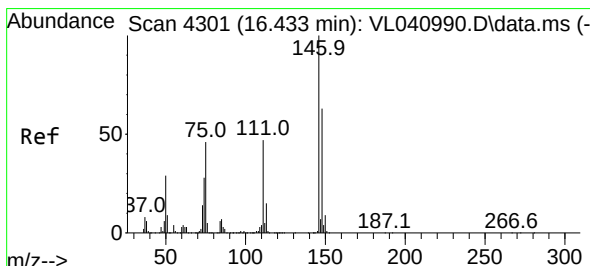
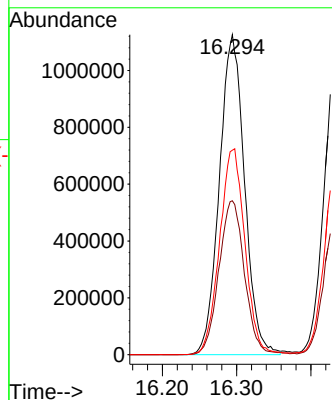
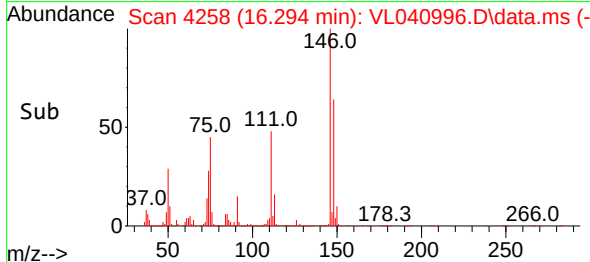
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015



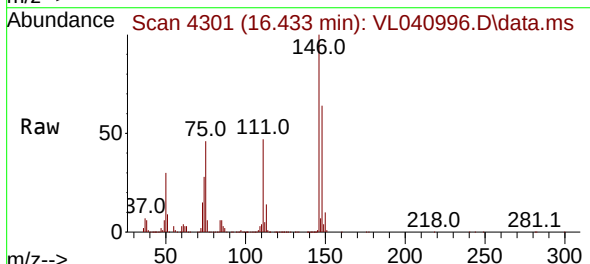
Tgt Ion:146 Resp: 2650072
Ion Ratio Lower Upper
146 100
111 49.0 24.4 73.2
148 65.1 32.5 97.4

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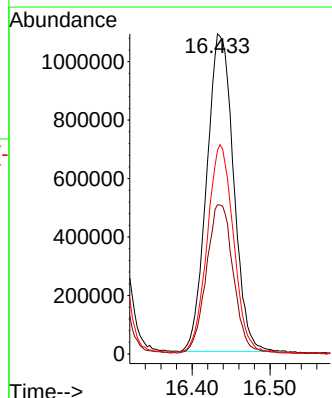
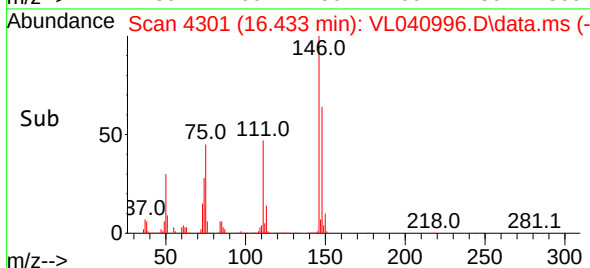
Reviewed By :Semsettin Yesilyurt 01/24/2024
Supervised By :Mahesh Dadoda 01/24/2024

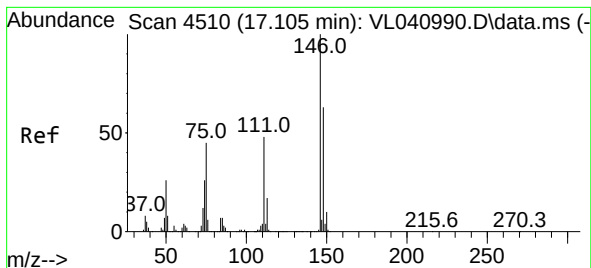


#76
1,4-Dichlorobenzene
Concen: 16.991 ppbv
RT: 16.433 min Scan# 4301
Delta R.T. 0.000 min
Lab File: VL040996.D
Acq: 23 Jan 2024 13:34



Tgt Ion:146 Resp: 2599656
Ion Ratio Lower Upper
146 100
111 47.9 24.0 72.0
148 65.8 32.9 98.7





#77

1,2-Dichlorobenzene

Concen: 16.997 ppbv

RT: 17.105 min Scan# 4510

Delta R.T. 0.000 min

Lab File: VL040996.D

Acq: 23 Jan 2024 13:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tgt Ion:146 Resp: 256089

Ion Ratio Lower Upper

146 100

111 50.7 24.8 74.3

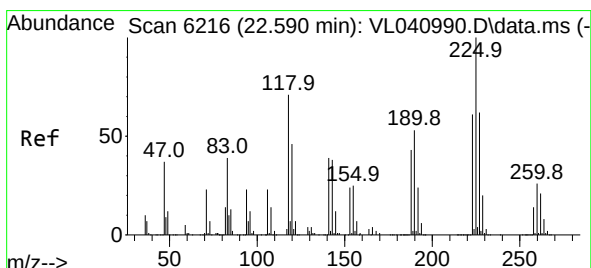
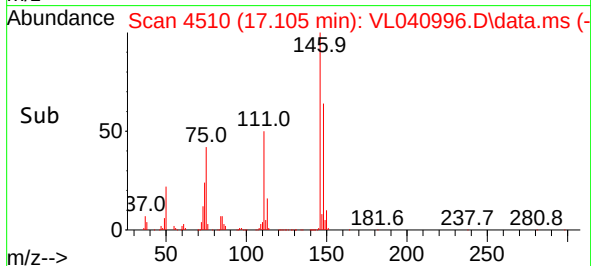
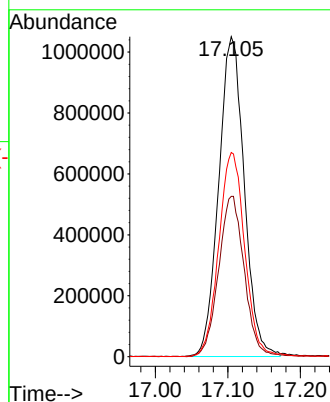
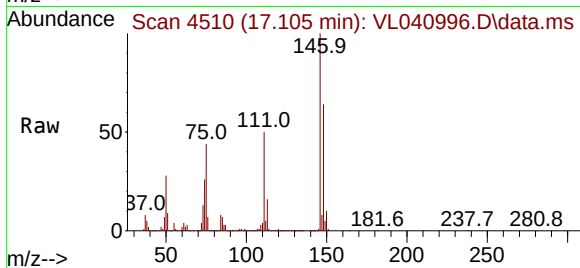
148 65.1 31.8 95.3

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 01/24/2024

Supervised By :Mahesh Dadoda 01/24/2024



#78

Hexachloro-1,3-Butadiene

Concen: 16.063 ppbv

RT: 22.590 min Scan# 6216

Delta R.T. 0.000 min

Lab File: VL040996.D

Acq: 23 Jan 2024 13:34

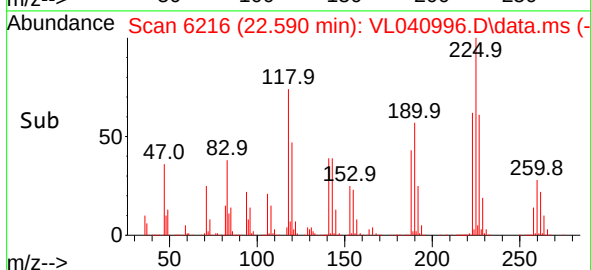
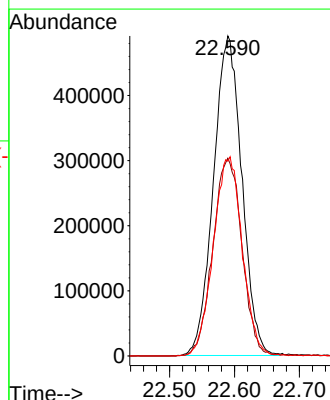
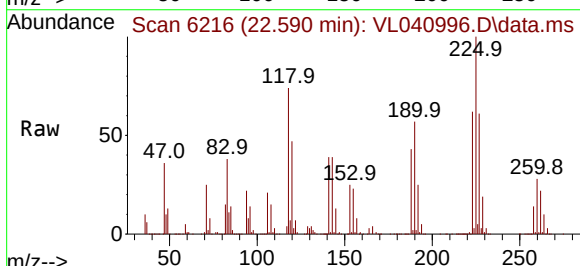
Tgt Ion:225 Resp: 1488542

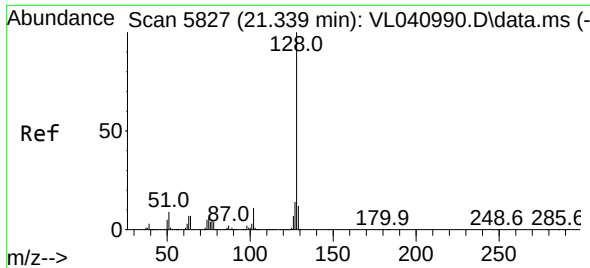
Ion Ratio Lower Upper

225 100

223 63.6 51.1 76.7

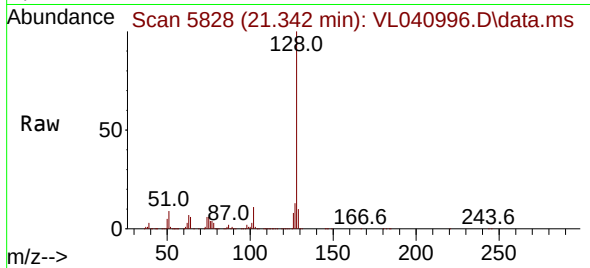
227 64.0 51.0 76.4





#79
Naphthalene
Concen: 26.093 ppbv
RT: 21.342 min Scan# 5828
Delta R.T. 0.003 min
Lab File: VL040996.D
Acq: 23 Jan 2024 13:34

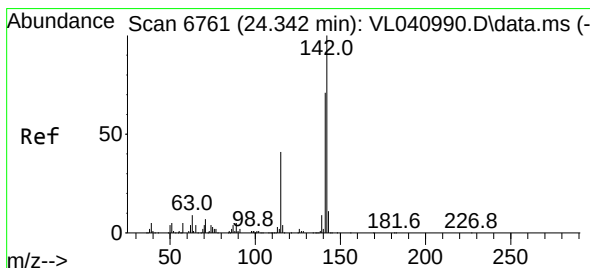
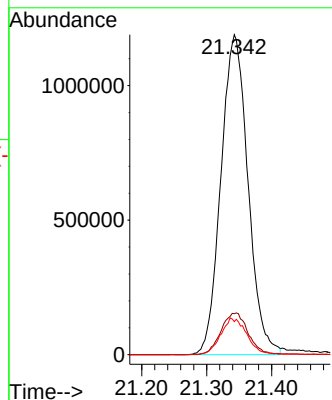
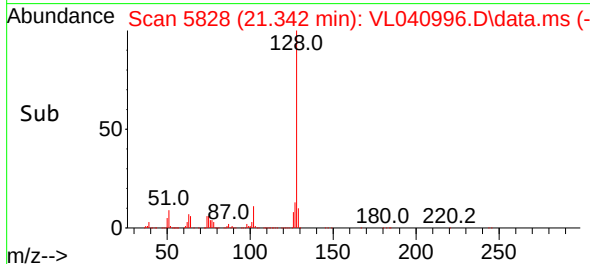
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



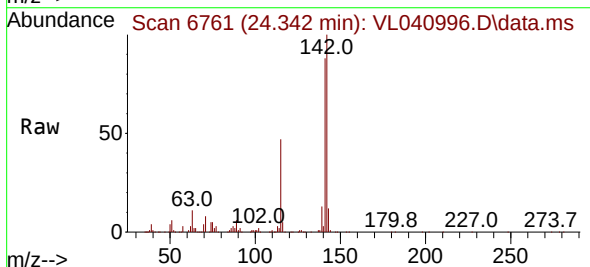
Tgt Ion:128 Resp: 344225
Ion Ratio Lower Upper
128 100
127 12.8 10.9 16.3
129 10.3 9.3 13.9

Manual Integrations
APPROVED

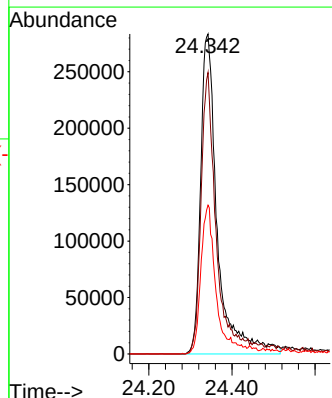
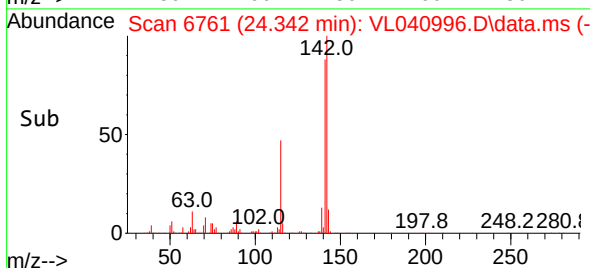
Reviewed By :Semsettin Yesilyurt 01/24/2024
Supervised By :Mahesh Dadoda 01/24/2024

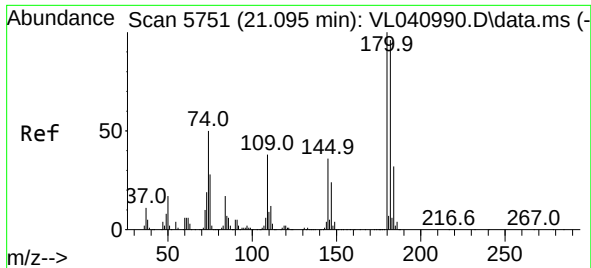


#80
Naphthalene,2-methyl-
Concen: 32.884 ppbv
RT: 24.342 min Scan# 6761
Delta R.T. 0.000 min
Lab File: VL040996.D
Acq: 23 Jan 2024 13:34



Tgt Ion:142 Resp: 792929
Ion Ratio Lower Upper
142 100
141 84.8 62.7 94.1
115 44.5 34.0 51.0





#81

1,2,4-Trichlorobenzene

Concen: 22.101 ppbv

RT: 21.101 min Scan# 51

Delta R.T. 0.006 min

Lab File: VL040996.D

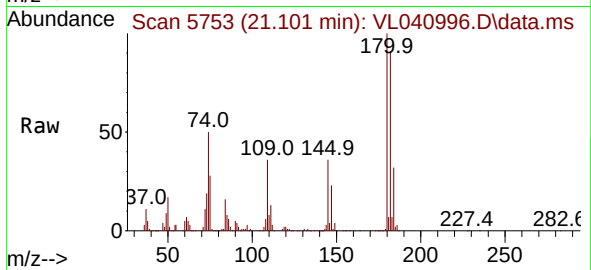
Acq: 23 Jan 2024 13:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC015



Tgt Ion:180 Resp: 1673904

Ion Ratio Lower Upper

180 100

182 96.5 78.6 118.0

184 31.0 24.4 36.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 01/24/2024

Supervised By :Mahesh Dadoda 01/24/2024

