

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042925\
 Data File : VL042436.D
 Acq On : 29 Apr 2025 08:39
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 04/30/2025
 Supervised By : Mahesh Dadoda 04/30/2025

Quant Time: Apr 30 01:15:51 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M

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

QLast Update : Fri Apr 18 02:14:00 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.780	49	114553	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.952	114	311268	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.878	117	269987	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.373 95 253216 11.413 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 114.100%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.495	85	234841	11.603	ppbv	97
3) Chlorodifluoromethane	1.473	51	188007	9.755	ppbv	95
4) Chloromethane	1.531	50	90298	11.274	ppbv	100
5) Vinyl Chloride	1.576	62	86603	9.933	ppbv	96
6) Bromomethane	1.664	94	41020	10.952	ppbv	85
7) Chloroethane	1.703	64	35167	11.153	ppbv	95
8) Dichlorotetrafluoroethane	1.550	85	199977	11.508	ppbv	94
9) Propene	1.482	41	69189	7.883	ppbv	98
10) Heptane	4.968	43	184737	7.492	ppbv	99
11) Trichlorofluoromethane	1.874	101	227979	11.845	ppbv	96
12) 1,1,2-Trichlorotrifluo...	2.136	101	172070	10.934	ppbv	99
13) Ethanol	1.719	45	4336	3.108	ppbv	81
14) Bromoethene	1.777	108	63597	10.721	ppbv	97
15) Acetone	1.832	43	184887	9.859	ppbv	98
16) 1,3-Butadiene	1.605	39	88889	9.910	ppbv	95
17) tert-Butyl alcohol	2.036	59	229627	9.881	ppbv	99
18) 1,1-Dichloroethene	2.029	96	75451	10.263	ppbv	94
19) Isopropyl Alcohol	1.884	45	101987	9.790	ppbv	91
20) Methylene Chloride	2.059	84	67278	9.161	ppbv	95
21) Allyl Chloride	2.091	41	131864	10.184	ppbv	98
22) trans-1,2-Dichloroethene	2.337	96	86577	10.343	ppbv	95
23) Vinyl Acetate	2.460	43	61601	8.115	ppbv #	95
24) 1,1-Dichloroethane	2.405	63	172555	10.852	ppbv	98
25) Ethyl Acetate	2.832	43	408744	8.840	ppbv	100
26) Hexane	2.819	57	153801	8.220	ppbv	96
27) Carbon Disulfide	2.146	76	212793	10.622	ppbv	99
28) Methyl tert-Butyl Ether	2.437	73	114108	9.308	ppbv	93
29) Chloroform	2.845	83	290965	11.002	ppbv	100
30) Cyclohexane	3.848	84	130608	8.635	ppbv	97
31) cis-1,2-Dichloroethene	2.716	61	174659	9.818	ppbv	97
32) 1,1,1-Trichloroethane	3.363	97	312430	10.493	ppbv	99
34) 2-Butanone	2.554	43	232034	9.426	ppbv	98
35) Carbon Tetrachloride	3.755	117	316689	11.242	ppbv	94
36) Benzene	3.651	78	314493	9.367	ppbv	95
37) 1,2-Dichloroethane	3.214	62	244516	12.134	ppbv #	96
38) Trichloroethene	4.541	130	123997	8.450	ppbv #	88
39) 1,2-Dichloropropane	4.305	63	110315	8.817	ppbv #	84
40) 1,4-Dioxane	4.577	88	54364	7.907	ppbv #	90
41) Tetrahydrofuran	3.049	42	121700	8.479	ppbv	100
42) Bromodichloromethane	4.483	83	312029	11.127	ppbv	98
43) Methyl Methacrylate	4.874	69	126594	8.367	ppbv	94
44) 2,2,4-Trimethylpentane	4.632	57	522427	9.010	ppbv	94
45) t-1,3-Dichloropropene	6.409	75	139508	9.026	ppbv	89

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Quant Time: Apr 30 01:15:51 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M

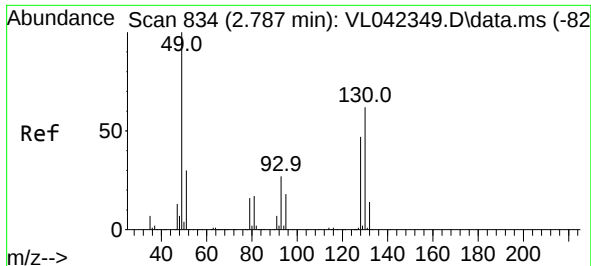
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Fri Apr 18 02:14:00 2025

Response via : Initial Calibration

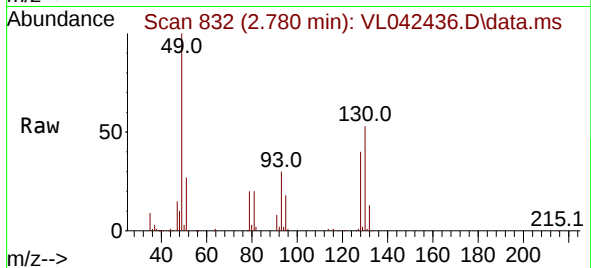
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.587	75	169355	8.953	ppbv	90
47) 1,1,2-Trichloroethane	6.570	97	129223m	10.138	ppbv	
48) Dibromochloromethane	7.380	129	232818	10.339	ppbv	100
49) Bromoform	9.477	173	188896	9.593	ppbv	99
50) 4-Methyl-2-Pentanone	5.742	43	325855	7.965	ppbv	99
51) 2-Hexanone	7.428	43	269915	7.357	ppbv #	93
52) Tetrachloroethene	8.218	164	101642	7.833	ppbv #	84
53) Toluene	6.926	91	361317	8.968	ppbv	100
54) 1,2-Dibromoethane	7.645	107	179895	9.861	ppbv	97
56) 1,1,1,2-Tetrachloroethane	8.917	131	182759	11.184	ppbv	95
57) Chlorobenzene	8.920	112	283210	10.086	ppbv	97
58) Ethyl Benzene	9.351	91	536634	10.032	ppbv	96
59) m/p-Xylene	9.529	91	909704m	21.110	ppbv	
60) o-Xylene	9.959	91	463713	10.686	ppbv	96
61) Styrene	9.869	104	195813	9.454	ppbv	98
62) Isopropylbenzene	10.535	105	672630	10.558	ppbv	98
63) 1,1,2,2-Tetrachloroethane	9.959	83	272746	9.699	ppbv	99
64) n-propylbenzene	10.985	120	160736	10.037	ppbv	90
65) tert-Butylbenzene	11.529	119	616872	10.535	ppbv	98
66) Benzyl Chloride	11.613	91	49841	7.746	ppbv	98
67) sec-Butylbenzene	11.765	105	869595	10.677	ppbv	99
69) p-Isopropyltoluene	11.924	119	738863	10.442	ppbv	96
70) n-Butylbenzene	12.280	91	787717	10.688	ppbv	98
71) 2-Chlorotoluene	10.898	91	528205	10.571	ppbv	96
72) 4-Ethyltoluene	11.121	105	559285	10.542	ppbv	96
73) 1,3,5-Trimethylbenzene	11.199	105	493949	10.546	ppbv	93
74) 1,2,4-Trimethylbenzene	11.535	105	554136	10.130	ppbv	96
75) 1,3-Dichlorobenzene	11.603	146	285025	10.024	ppbv	97
76) 1,4-Dichlorobenzene	11.668	146	291795	10.210	ppbv	98
77) 1,2-Dichlorobenzene	11.943	146	283700	10.261	ppbv	97
78) Hexachloro-1,3-Butadiene	13.879	225	263477	9.437	ppbv	99
79) Naphthalene	13.510	128	615408	9.408	ppbv	99
80) Naphthalene,2-methyl-	14.455	142	316788	8.497	ppbv	96
81) 1,2,4-Trichlorobenzene	13.439	180	263006	9.363	ppbv	98

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



#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.780 min Scan# 81
Delta R.T. -0.007 min
Lab File: VL042436.D
Acq: 29 Apr 2025 08:39

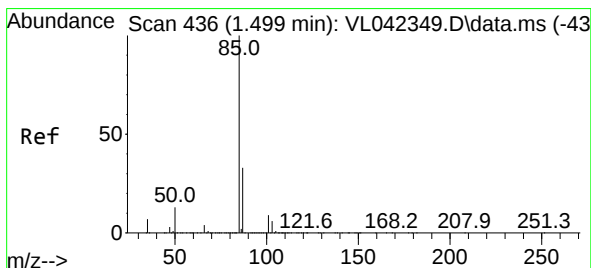
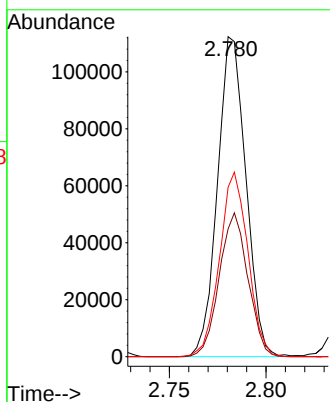
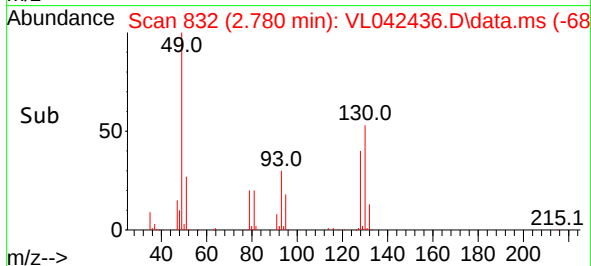
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



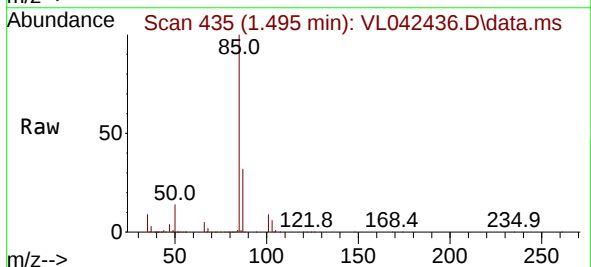
Tgt Ion: 49 Resp: 11455
Ion Ratio Lower Upper
49 100
128 45.3 22.8 68.4
130 57.8 29.3 88.0

Manual Integrations
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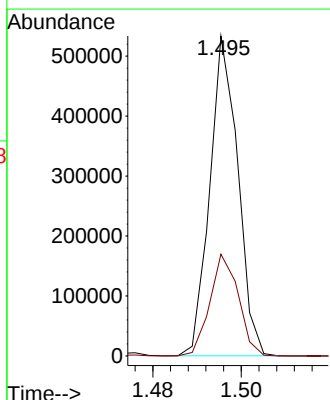
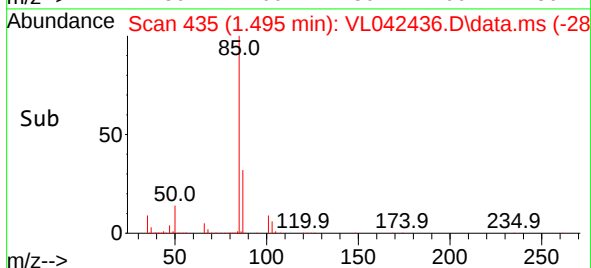
Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025

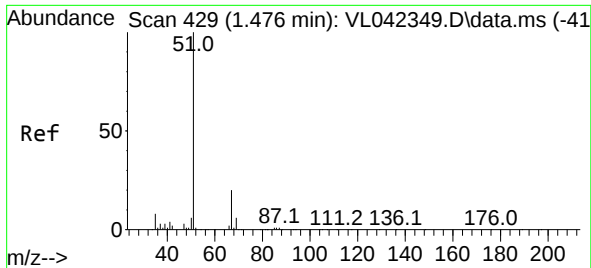


#2
Dichlorodifluoromethane
Concen: 11.603 ppbv
RT: 1.495 min Scan# 435
Delta R.T. -0.003 min
Lab File: VL042436.D
Acq: 29 Apr 2025 08:39



Tgt Ion: 85 Resp: 234841
Ion Ratio Lower Upper
85 100
87 31.8 26.6 39.8





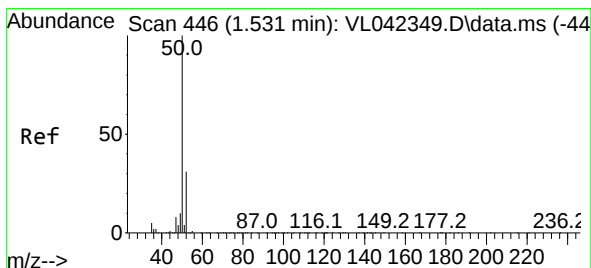
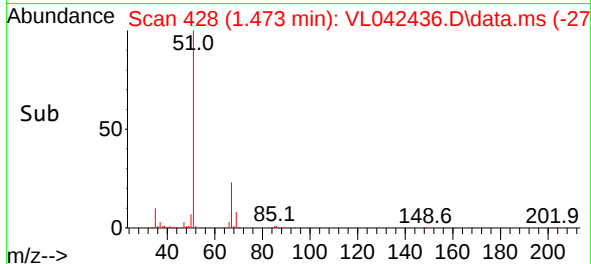
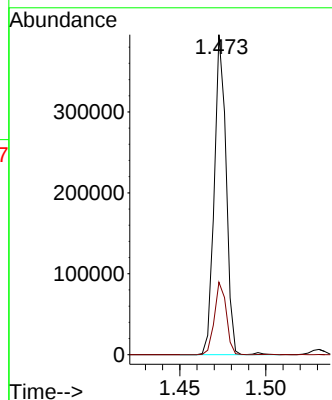
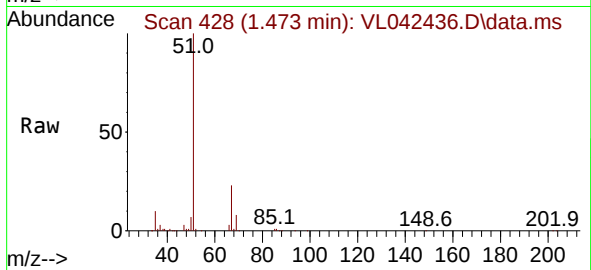
#3
Chlorodifluoromethane
Concen: 9.755 ppbv
RT: 1.473 min Scan# 41
Delta R.T. -0.003 min
Lab File: VL042436.D
Acq: 29 Apr 2025 08:39

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 51 Resp: 18800
Ion Ratio Lower Upper
51 100
67 22.8 16.2 24.4

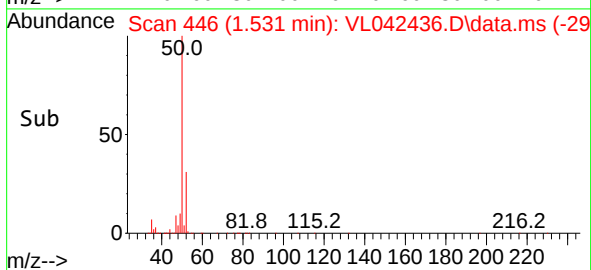
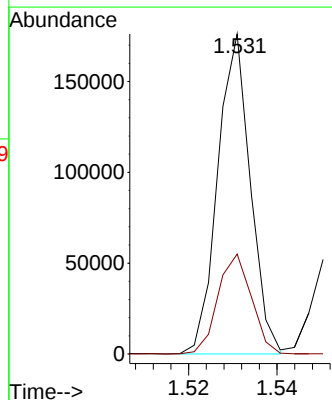
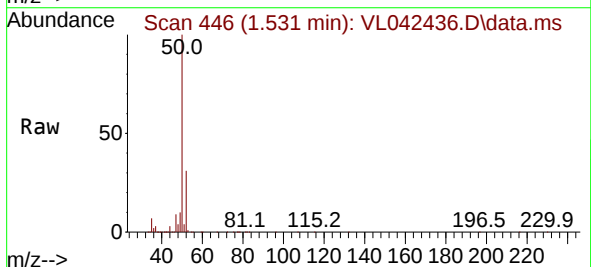
Manual Integrations
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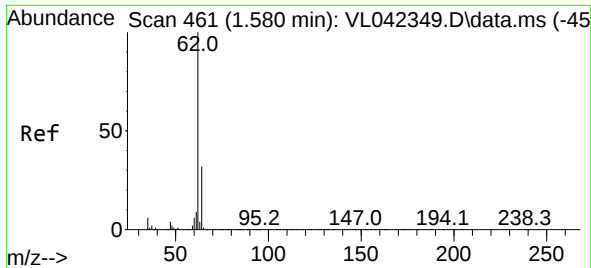
Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025



#4
Chloromethane
Concen: 11.274 ppbv
RT: 1.531 min Scan# 446
Delta R.T. -0.000 min
Lab File: VL042436.D
Acq: 29 Apr 2025 08:39

Tgt Ion: 50 Resp: 90298
Ion Ratio Lower Upper
50 100
52 31.2 24.7 37.1





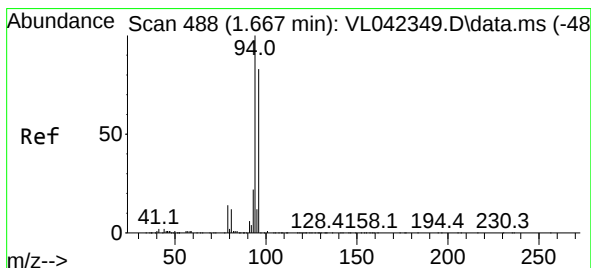
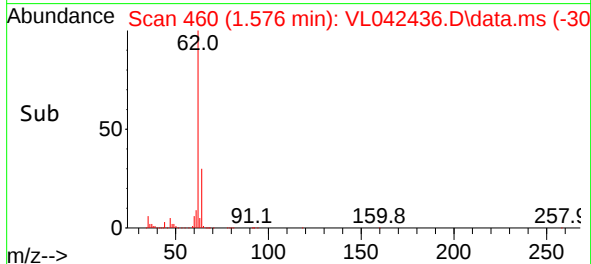
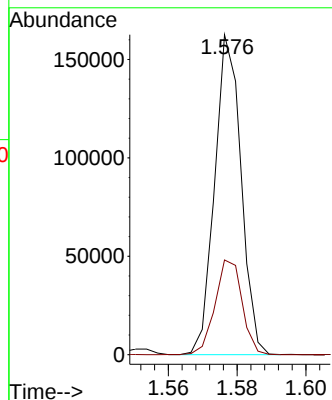
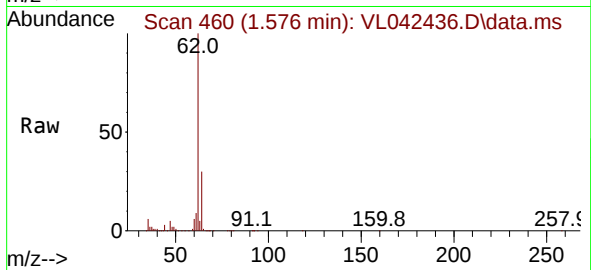
#5
 Vinyl Chloride
 Concen: 9.933 ppbv
 RT: 1.576 min Scan# 460
 Delta R.T. -0.003 min
 Lab File: VL042436.D
 Acq: 29 Apr 2025 08:39

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion: 62 Resp: 8660
 Ion Ratio Lower Upper
 62 100
 64 29.6 25.4 38.0

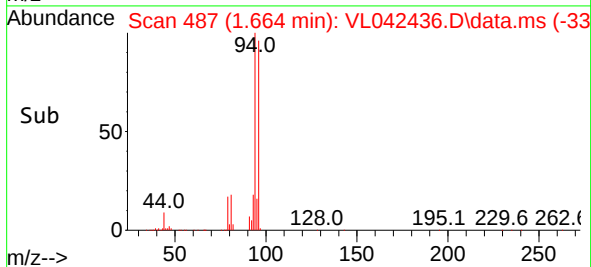
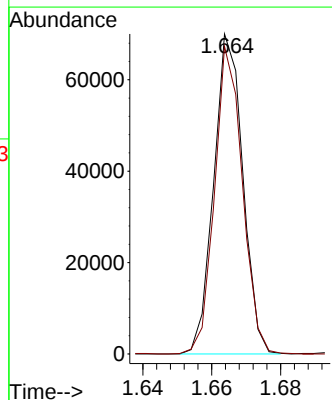
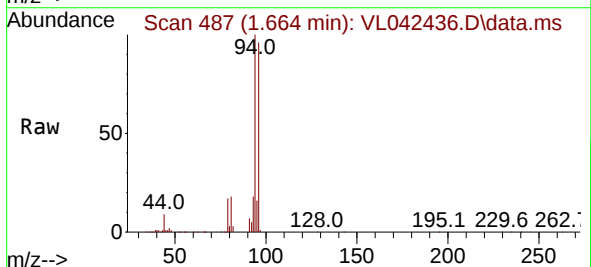
Manual Integrations
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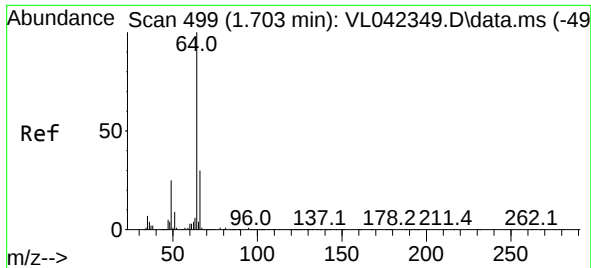
Reviewed By :Semsettin Yesilyurt 04/30/2025
 Supervised By :Mahesh Dadoda 04/30/2025



#6
 Bromomethane
 Concen: 10.952 ppbv
 RT: 1.664 min Scan# 487
 Delta R.T. -0.003 min
 Lab File: VL042436.D
 Acq: 29 Apr 2025 08:39

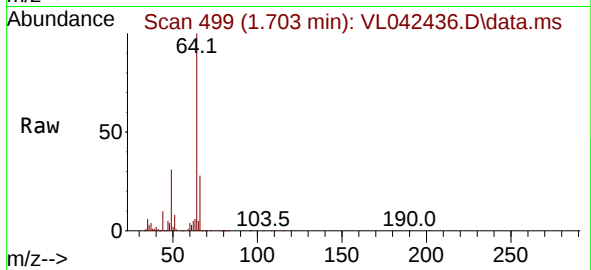
Tgt Ion: 94 Resp: 41020
 Ion Ratio Lower Upper
 94 100
 96 95.9 66.2 99.2





#7
Chloroethane
Concen: 11.153 ppbv
RT: 1.703 min Scan# 499
Delta R.T. -0.000 min
Lab File: VL042436.D
Acq: 29 Apr 2025 08:39

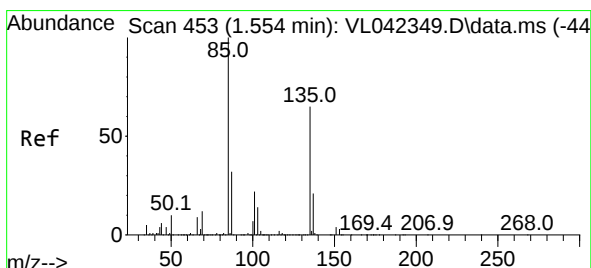
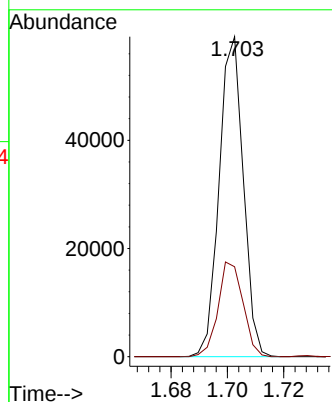
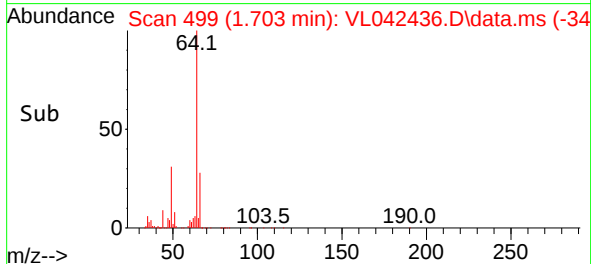
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



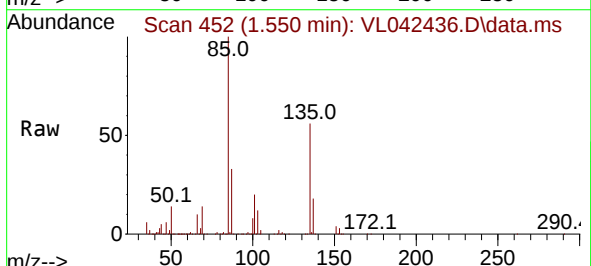
Tgt Ion: 64 Resp: 3516
Ion Ratio Lower Upper
64 100
66 28.1 24.6 37.0

Manual Integrations
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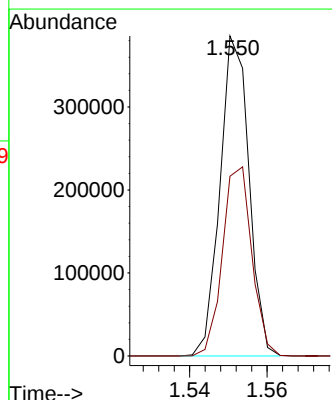
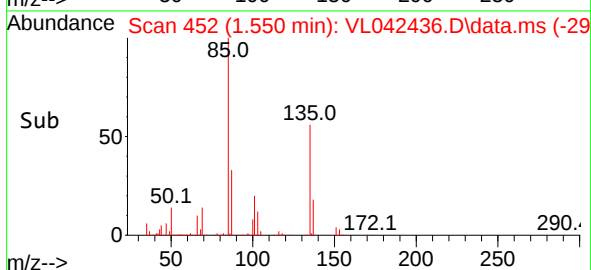
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Supervised By :Mahesh Dadoda 04/30/2025

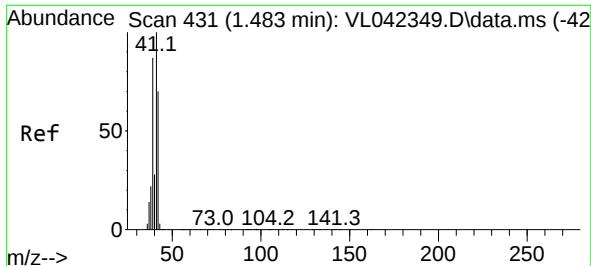


#8
Dichlorotetrafluoroethane
Concen: 11.508 ppbv
RT: 1.550 min Scan# 452
Delta R.T. -0.003 min
Lab File: VL042436.D
Acq: 29 Apr 2025 08:39



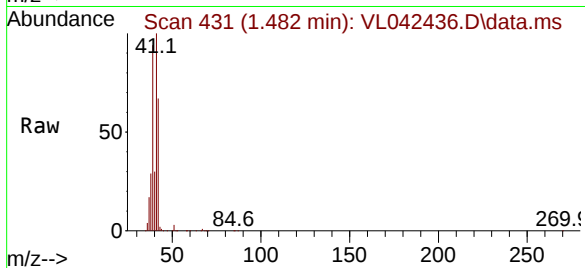
Tgt Ion: 85 Resp: 199977
Ion Ratio Lower Upper
85 100
135 60.1 52.2 78.2





#9
 Propene
 Concen: 7.883 ppbv
 RT: 1.482 min Scan# 41
 Delta R.T. -0.000 min
 Lab File: VL042436.D
 Acq: 29 Apr 2025 08:39

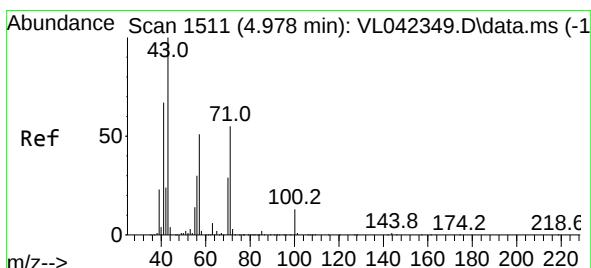
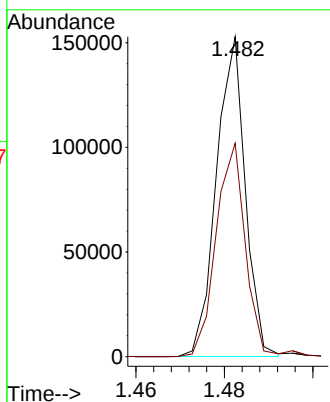
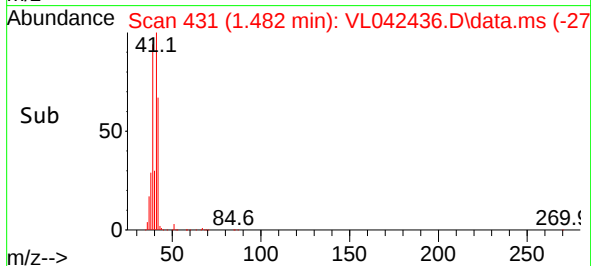
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010



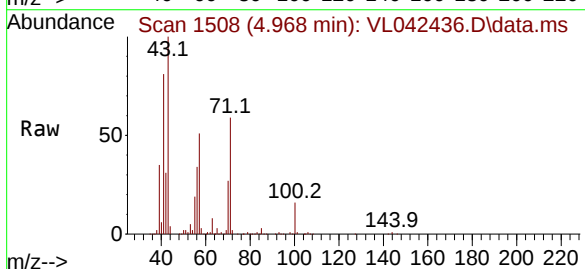
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 Ion Ratio Lower Upper
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 42 68.7 56.2 84.4

Manual Integrations
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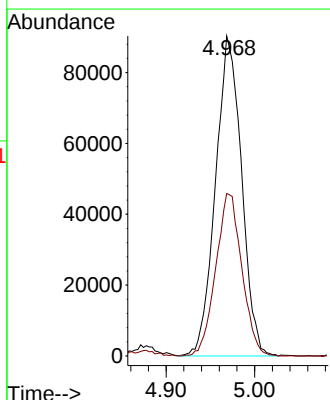
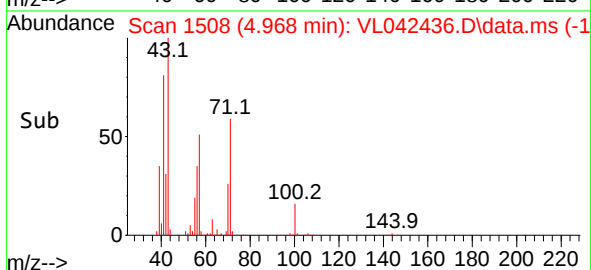
Reviewed By :Semsettin Yesilyurt 04/30/2025
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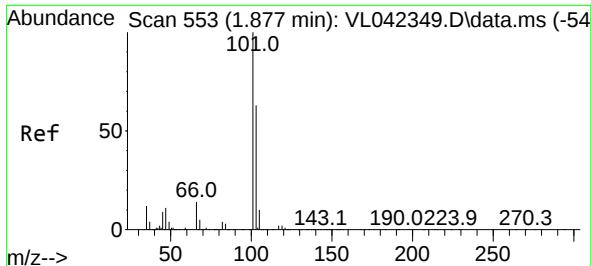


#10
 Heptane
 Concen: 7.492 ppbv
 RT: 4.968 min Scan# 1508
 Delta R.T. -0.010 min
 Lab File: VL042436.D
 Acq: 29 Apr 2025 08:39



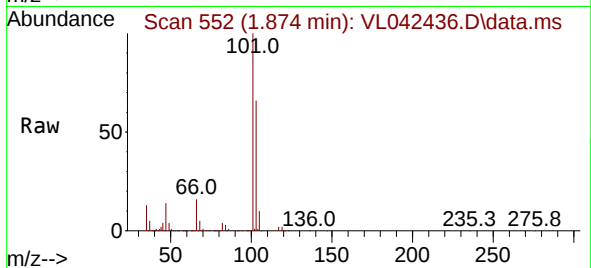
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 Ion Ratio Lower Upper
 43 100
 57 50.9 39.9 59.9





#11
 Trichlorofluoromethane
 Concen: 11.845 ppbv
 RT: 1.874 min Scan# 511
 Delta R.T. -0.003 min
 Lab File: VL042436.D
 Acq: 29 Apr 2025 08:39

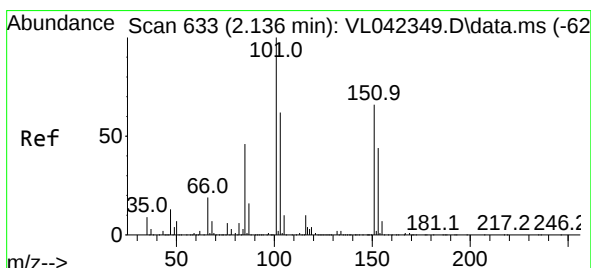
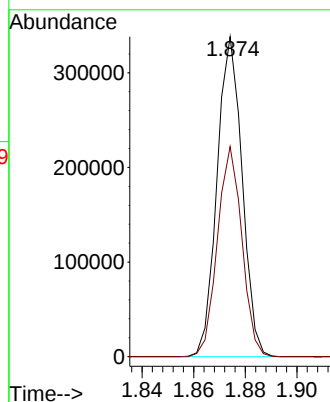
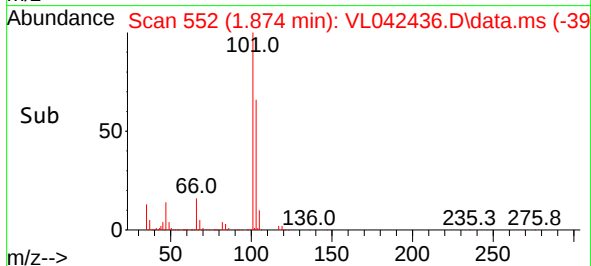
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010



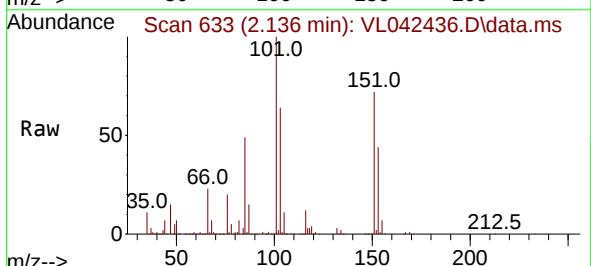
Tgt Ion:101 Resp: 227979
 Ion Ratio Lower Upper
 101 100
 103 65.6 50.1 75.1

Manual Integrations
 APPROVED

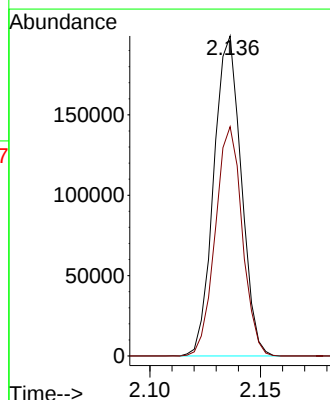
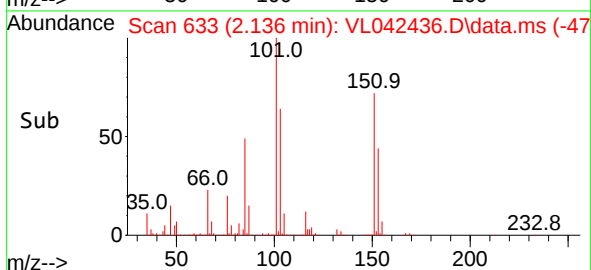
Reviewed By :Semsettin Yesilyurt 04/30/2025
 Supervised By :Mahesh Dadoda 04/30/2025

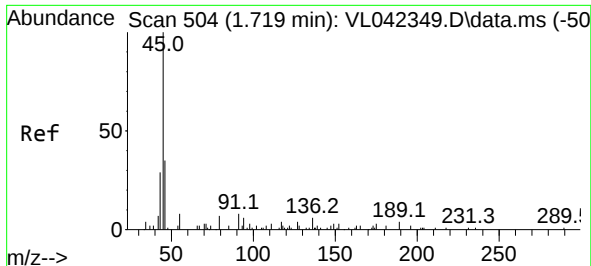


#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 10.934 ppbv
 RT: 2.136 min Scan# 633
 Delta R.T. -0.000 min
 Lab File: VL042436.D
 Acq: 29 Apr 2025 08:39



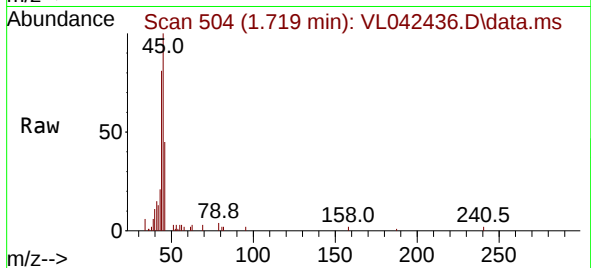
Tgt Ion:101 Resp: 172070
 Ion Ratio Lower Upper
 101 100
 151 70.1 57.0 85.6





#13
Ethanol
Concen: 3.108 ppbv
RT: 1.719 min Scan# 504
Delta R.T. -0.000 min
Lab File: VL042436.D
Acq: 29 Apr 2025 08:39

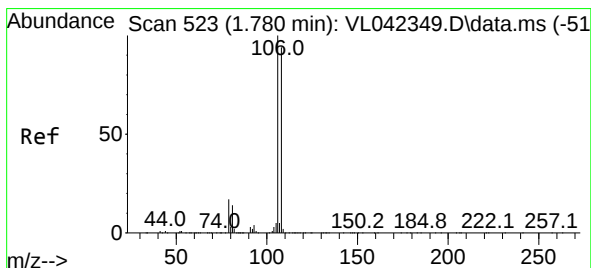
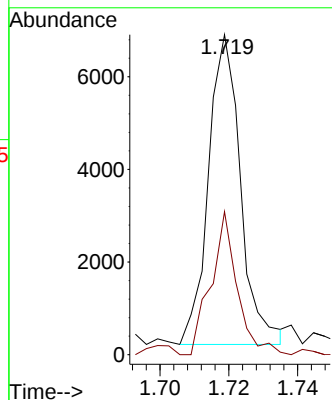
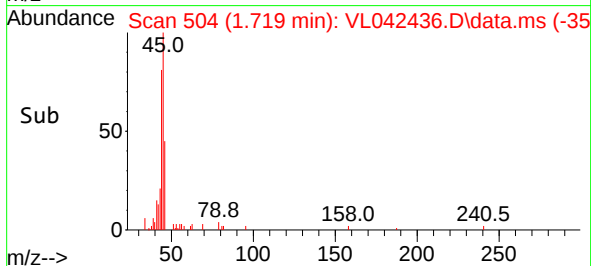
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



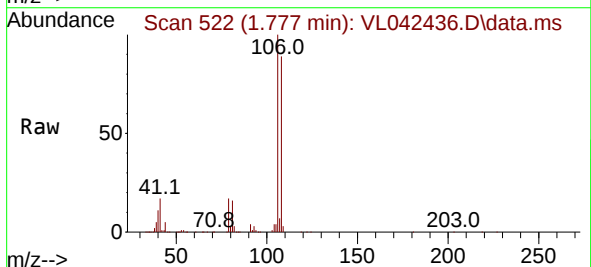
Tgt Ion: 45 Resp: 4330
Ion Ratio Lower Upper
45 100
46 41.1 21.9 87.7

Manual Integrations
APPROVED

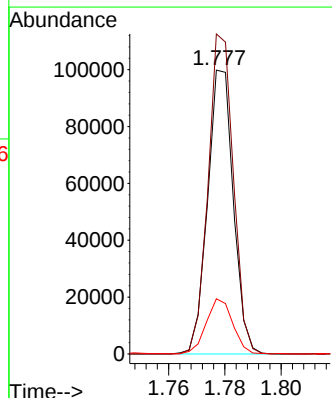
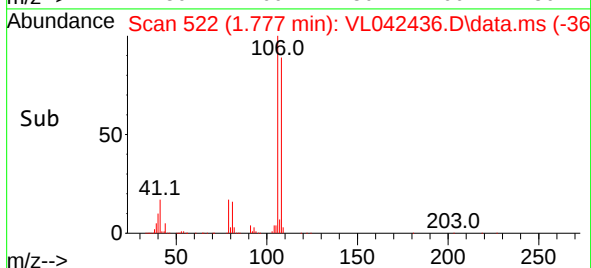
Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025

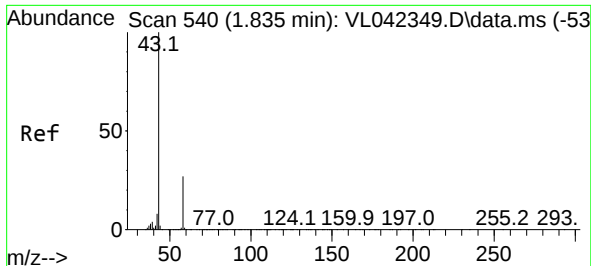


#14
Bromoethene
Concen: 10.721 ppbv
RT: 1.777 min Scan# 522
Delta R.T. -0.003 min
Lab File: VL042436.D
Acq: 29 Apr 2025 08:39



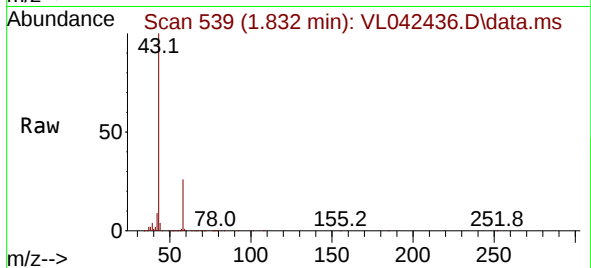
Tgt Ion:108 Resp: 63597
Ion Ratio Lower Upper
108 100
106 110.4 85.9 128.9
79 20.1 13.9 20.9





#15
Acetone
Concen: 9.859 ppbv
RT: 1.832 min Scan# 51
Delta R.T. -0.003 min
Lab File: VL042436.D
Acq: 29 Apr 2025 08:39

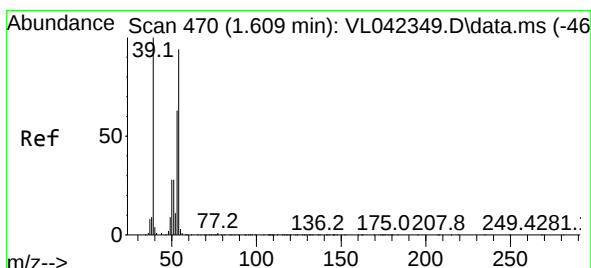
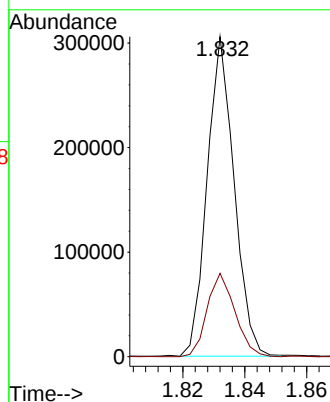
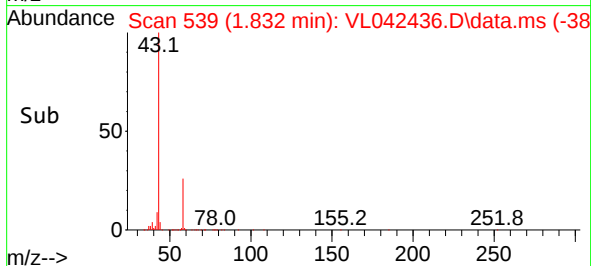
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



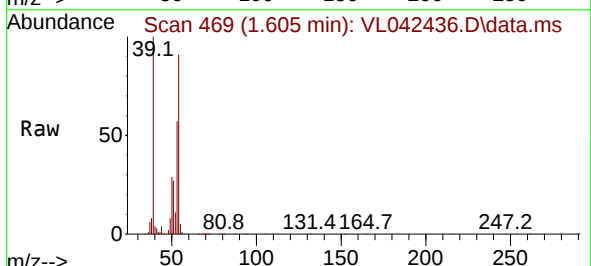
Tgt Ion: 43 Resp: 18488
Ion Ratio Lower Upper
43 100
58 27.0 22.4 33.6

Manual Integrations
APPROVED

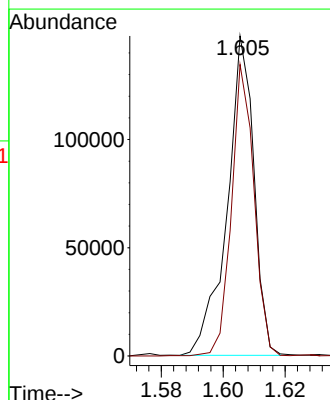
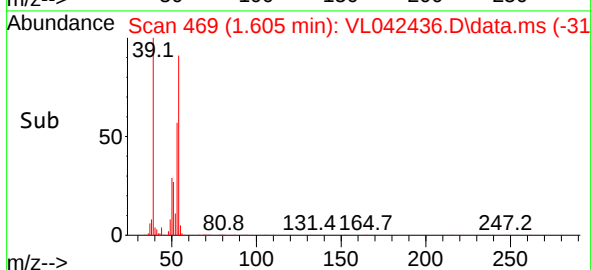
Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025

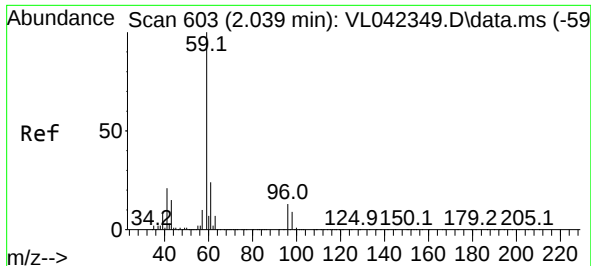


#16
1,3-Butadiene
Concen: 9.910 ppbv
RT: 1.605 min Scan# 469
Delta R.T. -0.003 min
Lab File: VL042436.D
Acq: 29 Apr 2025 08:39



Tgt Ion: 39 Resp: 88889
Ion Ratio Lower Upper
39 100
54 76.7 64.9 97.3





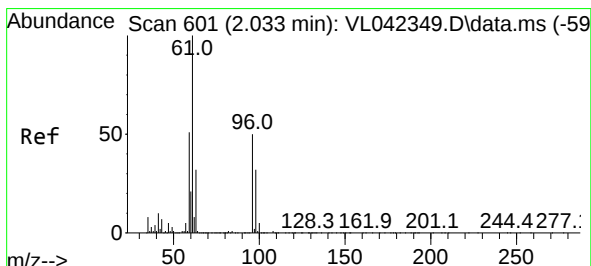
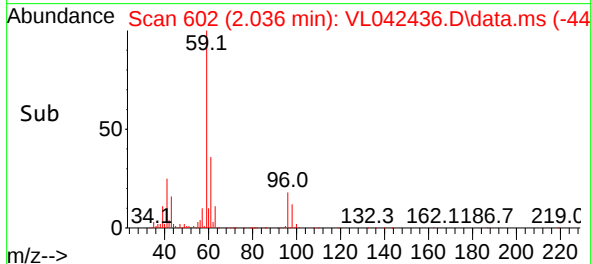
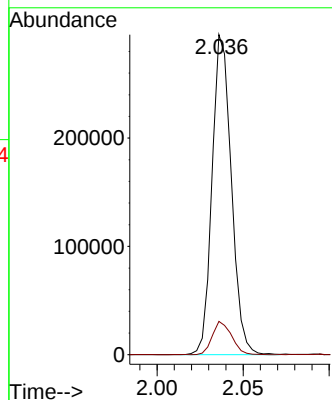
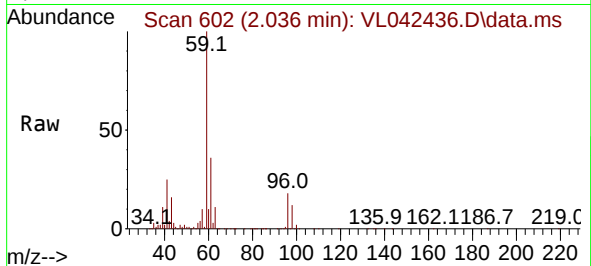
#17
tert-Butyl alcohol
Concen: 9.881 ppbv
RT: 2.036 min Scan# 603
Delta R.T. -0.003 min
Lab File: VL042436.D
Acq: 29 Apr 2025 08:39

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 59 Resp: 22962
Ion Ratio Lower Upper
59 100
57 10.4 8.7 13.1

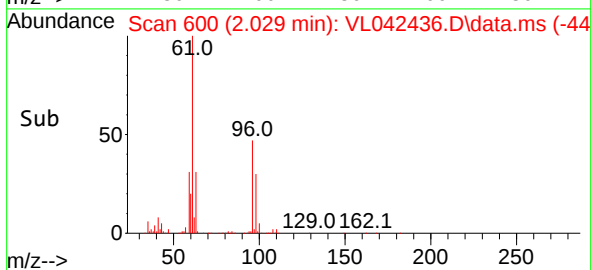
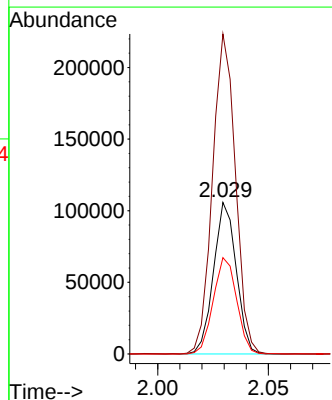
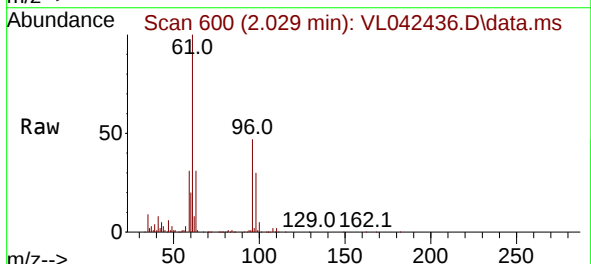
Manual Integrations
APPROVED

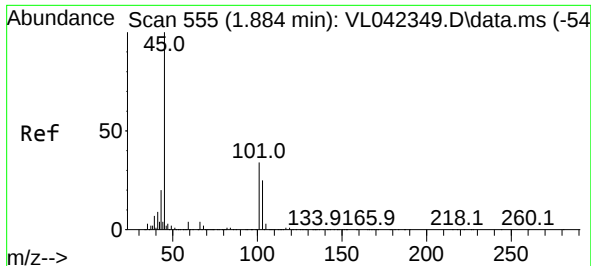
Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025



#18
1,1-Dichloroethene
Concen: 10.263 ppbv
RT: 2.029 min Scan# 600
Delta R.T. -0.003 min
Lab File: VL042436.D
Acq: 29 Apr 2025 08:39

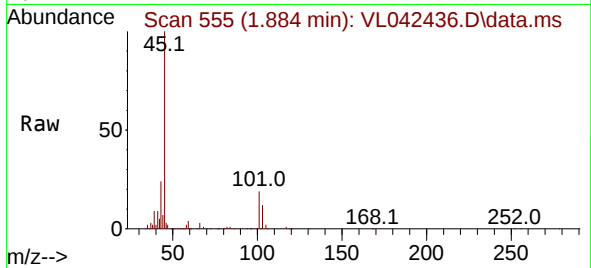
Tgt Ion: 96 Resp: 75451
Ion Ratio Lower Upper
96 100
61 211.2 160.2 240.2
98 63.6 51.0 76.4





#19
Isopropyl Alcohol
Concen: 9.790 ppbv
RT: 1.884 min Scan# 519
Delta R.T. -0.000 min
Lab File: VL042436.D
Acq: 29 Apr 2025 08:39

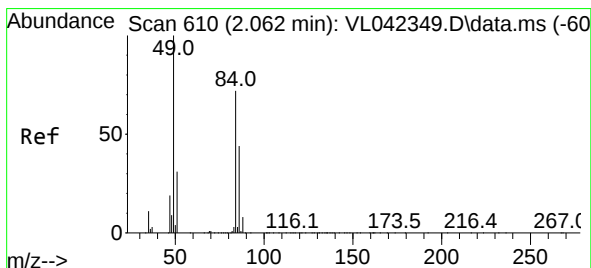
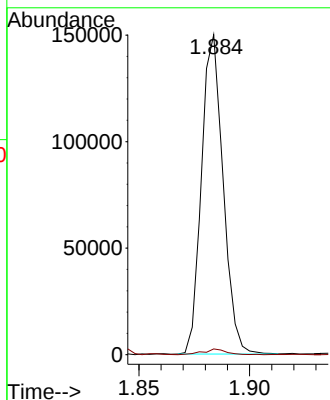
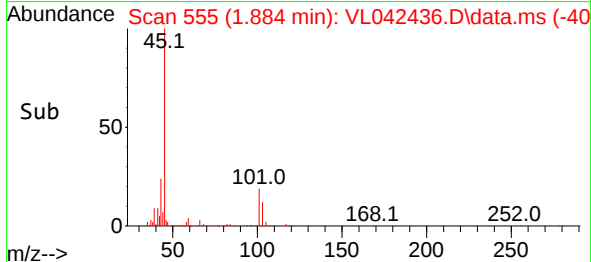
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



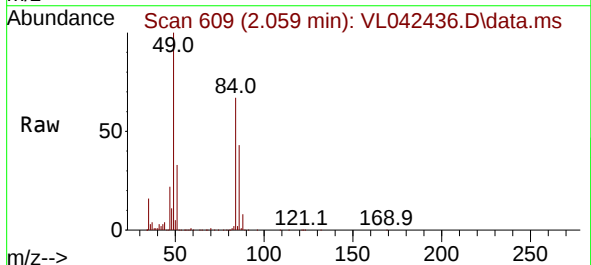
Tgt Ion: 45 Resp: 10198
Ion Ratio Lower Upper
45 100
58 49.0 34.5 51.7

Manual Integrations
APPROVED

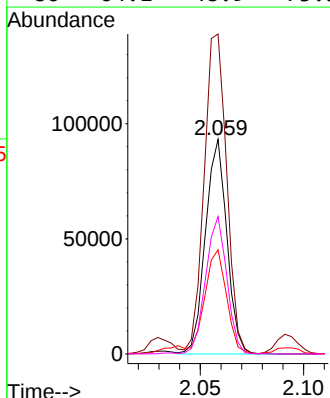
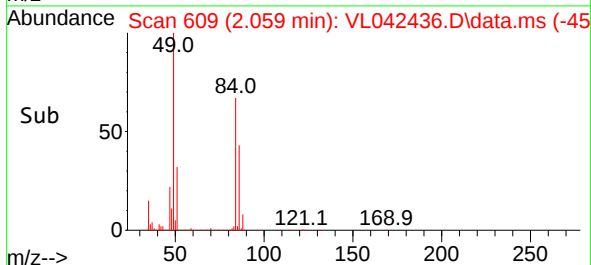
Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025

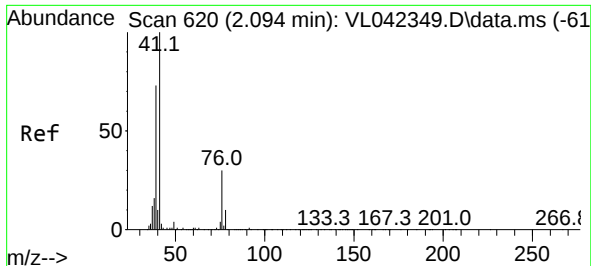


#20
Methylene Chloride
Concen: 9.161 ppbv
RT: 2.059 min Scan# 609
Delta R.T. -0.003 min
Lab File: VL042436.D
Acq: 29 Apr 2025 08:39



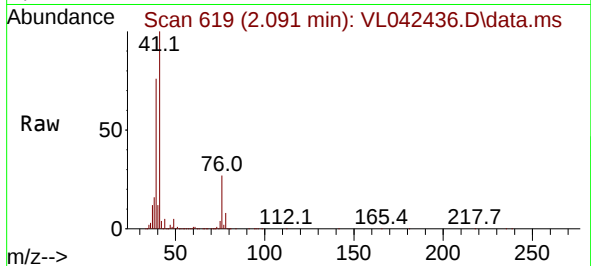
Tgt Ion: 84 Resp: 67278
Ion Ratio Lower Upper
84 100
49 146.9 111.6 167.4
51 45.9 35.1 52.7
86 64.1 48.9 73.3





#21
 Allyl Chloride
 Concen: 10.184 ppbv
 RT: 2.091 min Scan# 619
 Delta R.T. -0.003 min
 Lab File: VL042436.D
 Acq: 29 Apr 2025 08:39

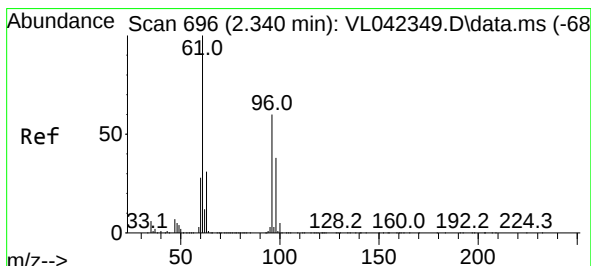
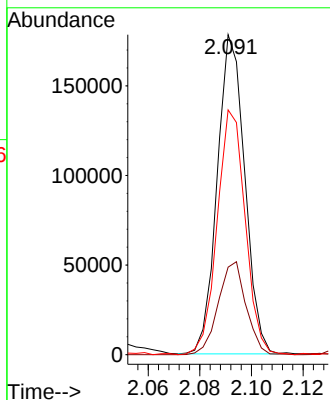
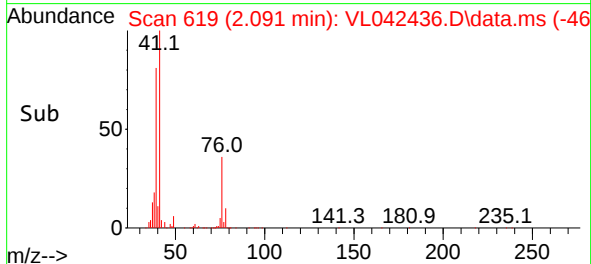
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010



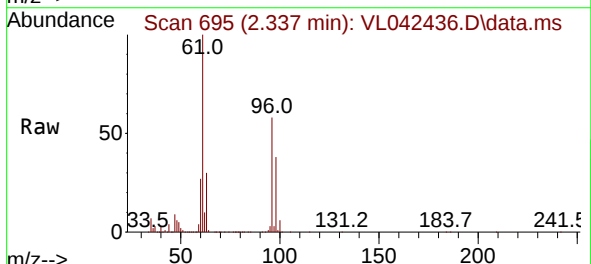
Tgt Ion: 41 Resp: 131864
 Ion Ratio Lower Upper
 41 100
 76 29.4 24.8 37.2
 39 77.4 60.6 90.8

Manual Integrations
 APPROVED

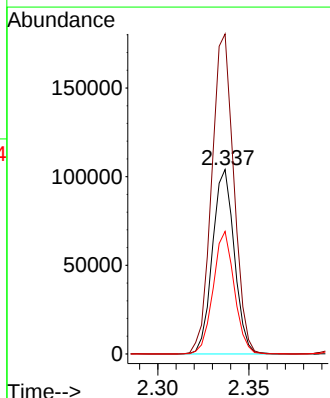
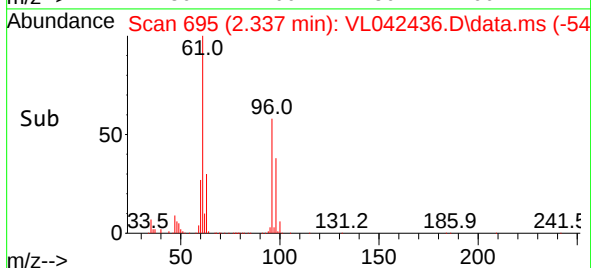
Reviewed By :Semsettin Yesilyurt 04/30/2025
 Supervised By :Mahesh Dadoda 04/30/2025

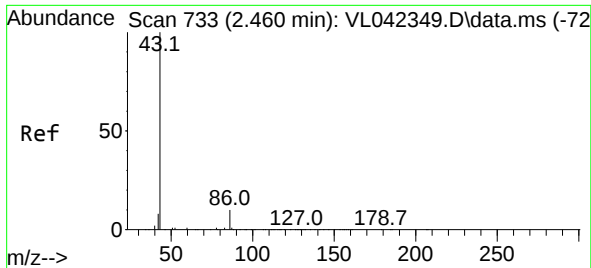


#22
 trans-1,2-Dichloroethene
 Concen: 10.343 ppbv
 RT: 2.337 min Scan# 695
 Delta R.T. -0.003 min
 Lab File: VL042436.D
 Acq: 29 Apr 2025 08:39



Tgt Ion: 96 Resp: 86577
 Ion Ratio Lower Upper
 96 100
 61 173.4 133.7 200.5
 98 66.4 50.3 75.5





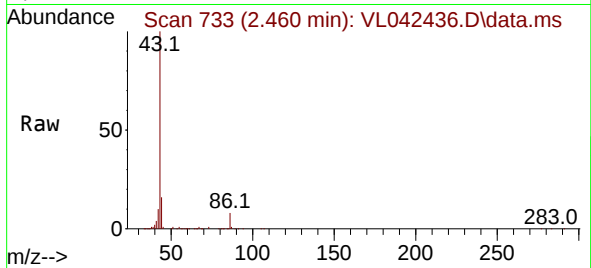
#23
 Vinyl Acetate
 Concen: 8.115 ppbv
 RT: 2.460 min Scan# 716
 Delta R.T. -0.000 min
 Lab File: VL042436.D
 Acq: 29 Apr 2025 08:39

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

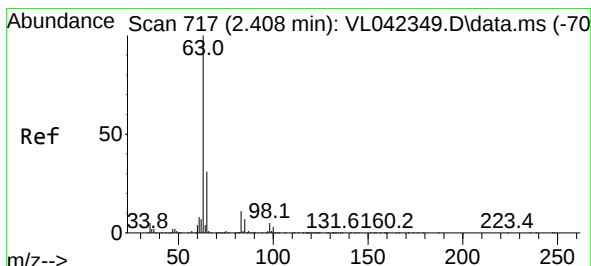
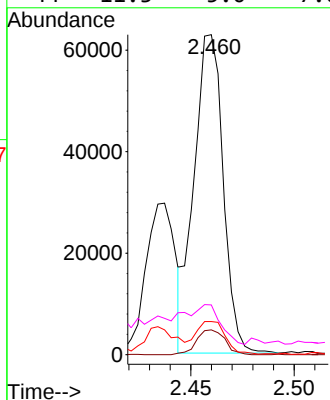
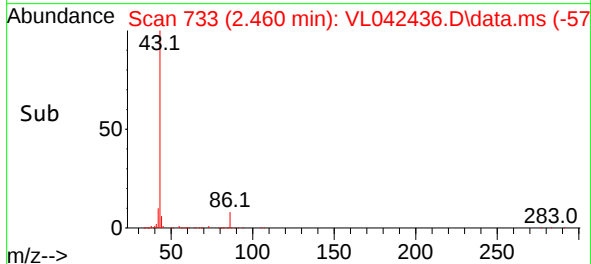


Tgt Ion: 43 Resp: 6160
 Ion Ratio Lower Upper
 43 100
 86 7.6 6.5 9.7
 42 10.2 7.8 11.8
 44 11.3 5.0 7.6#

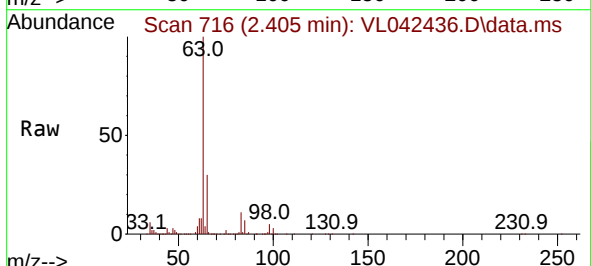
Manual Integrations

APPROVED

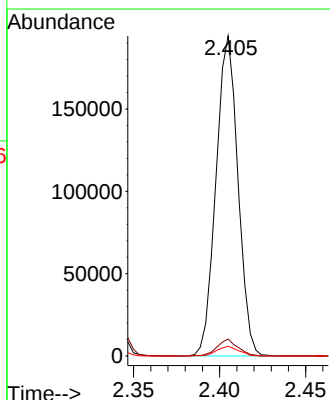
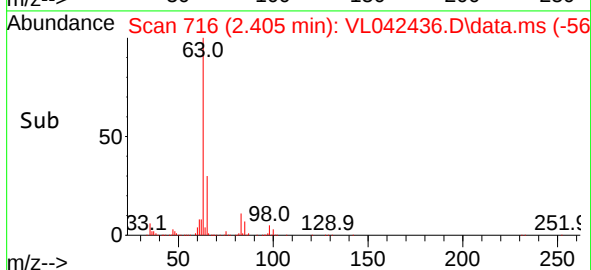
Reviewed By :Semsettin Yesilyurt 04/30/2025
 Supervised By :Mahesh Dadoda 04/30/2025

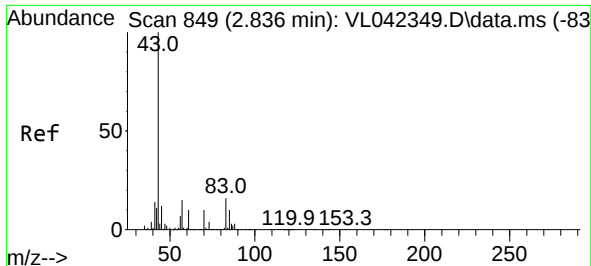


#24
 1,1-Dichloroethane
 Concen: 10.852 ppbv
 RT: 2.405 min Scan# 716
 Delta R.T. -0.003 min
 Lab File: VL042436.D
 Acq: 29 Apr 2025 08:39



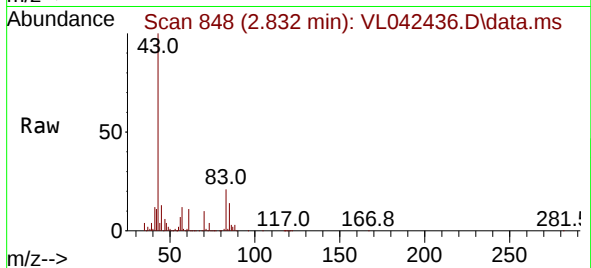
Tgt Ion: 63 Resp: 172555
 Ion Ratio Lower Upper
 63 100
 98 5.3 2.3 6.8
 100 3.0 1.6 4.8





#25
Ethyl Acetate
Concen: 8.840 ppbv
RT: 2.832 min Scan# 844
Delta R.T. -0.003 min
Lab File: VL042436.D
Acq: 29 Apr 2025 08:39

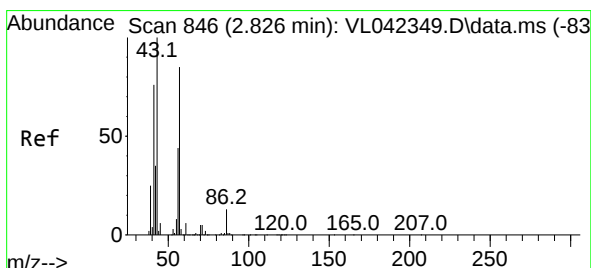
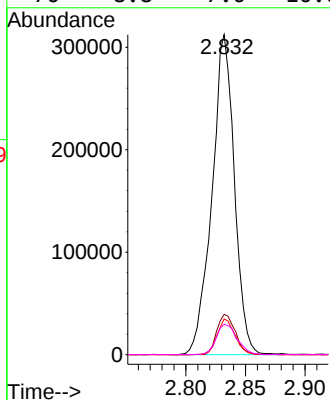
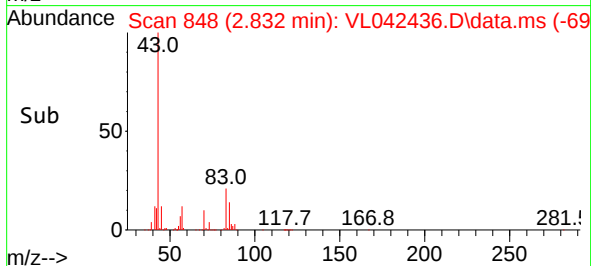
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



Tgt Ion: 43 Resp: 408744
Ion Ratio Lower Upper
43 100
45 10.5 8.3 12.5
61 8.9 7.3 10.9
70 8.8 7.0 10.6

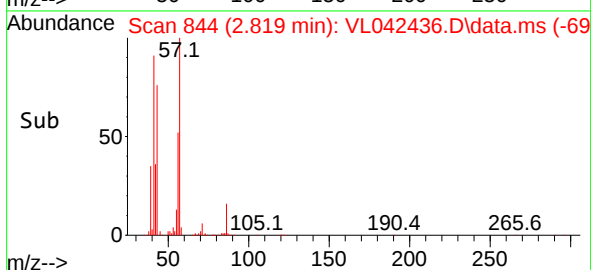
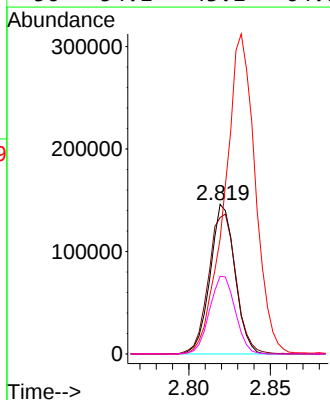
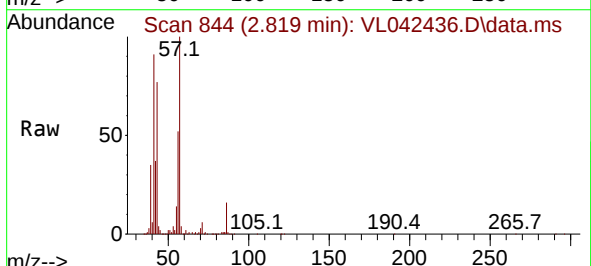
Manual Integrations
APPROVED

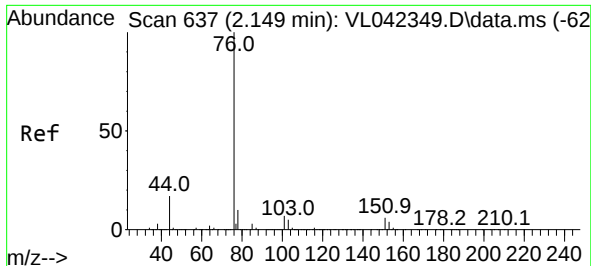
Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025



#26
Hexane
Concen: 8.220 ppbv
RT: 2.819 min Scan# 844
Delta R.T. -0.007 min
Lab File: VL042436.D
Acq: 29 Apr 2025 08:39

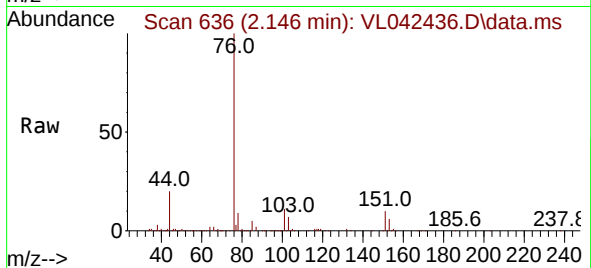
Tgt Ion: 57 Resp: 153801
Ion Ratio Lower Upper
57 100
41 104.3 77.9 116.9
43 266.3 208.4 312.6
56 54.1 43.1 64.7





#27
Carbon Disulfide
Concen: 10.622 ppbv
RT: 2.146 min Scan# 611
Delta R.T. -0.003 min
Lab File: VL042436.D
Acq: 29 Apr 2025 08:39

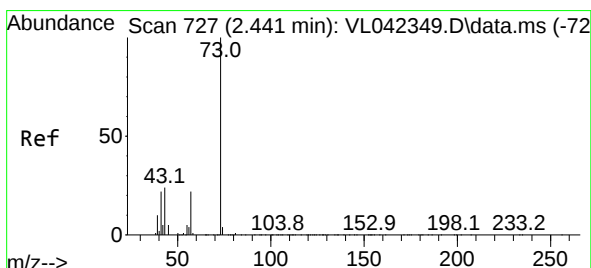
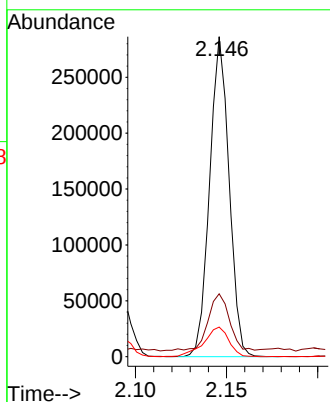
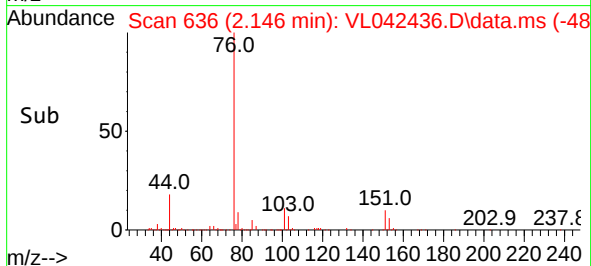
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



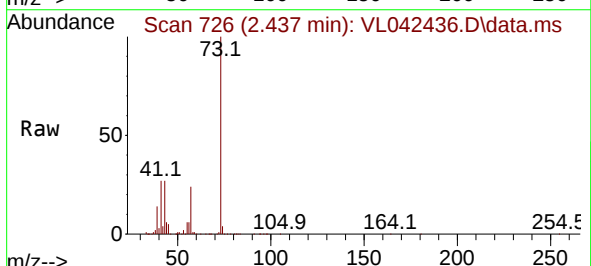
Tgt Ion: 76 Resp: 21279
Ion Ratio Lower Upper
76 100
44 18.9 15.5 23.3
78 11.9 9.3 13.9

Manual Integrations
APPROVED

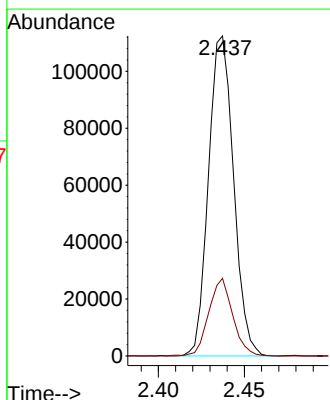
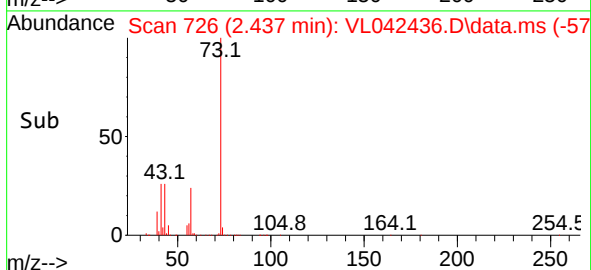
Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025

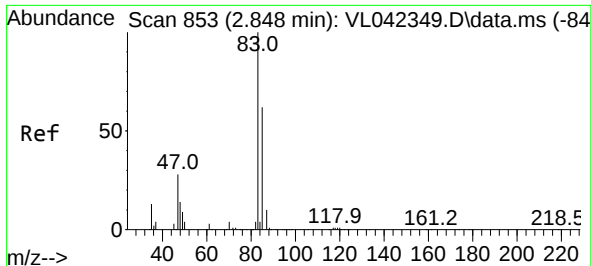


#28
Methyl tert-Butyl Ether
Concen: 9.308 ppbv
RT: 2.437 min Scan# 726
Delta R.T. -0.003 min
Lab File: VL042436.D
Acq: 29 Apr 2025 08:39



Tgt Ion: 73 Resp: 114108
Ion Ratio Lower Upper
73 100
57 23.1 21.3 31.9





#29

Chloroform

Concen: 11.002 ppbv

RT: 2.845 min Scan# 81

Delta R.T. -0.003 min

Lab File: VL042436.D

Acq: 29 Apr 2025 08:39

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 83 Resp: 29096

Ion Ratio Lower Upper

83 100

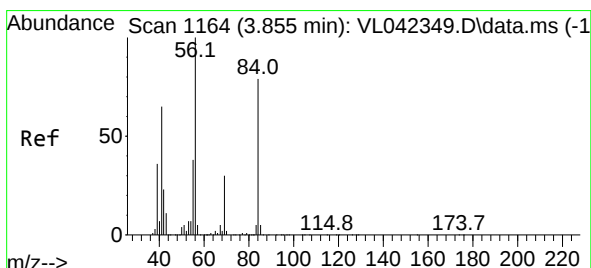
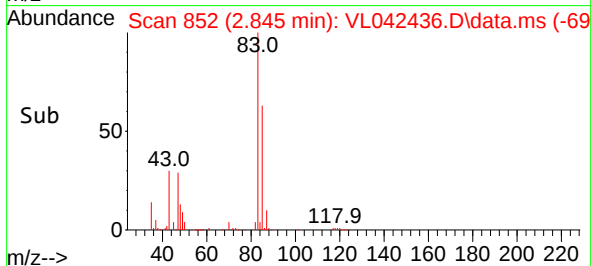
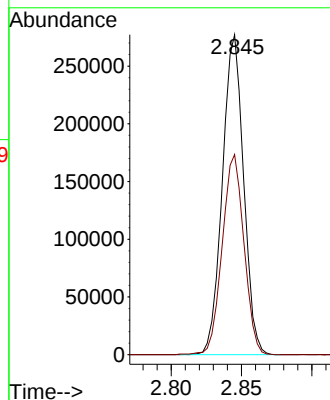
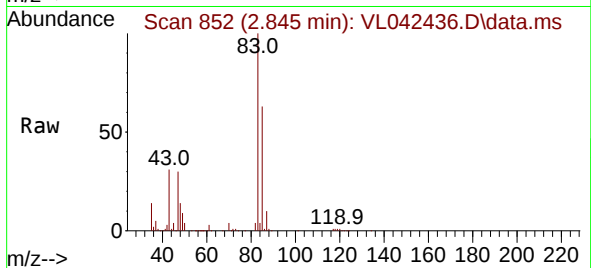
85 62.6 50.0 75.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/30/2025

Supervised By :Mahesh Dadoda 04/30/2025



#30

Cyclohexane

Concen: 8.635 ppbv

RT: 3.848 min Scan# 1162

Delta R.T. -0.007 min

Lab File: VL042436.D

Acq: 29 Apr 2025 08:39

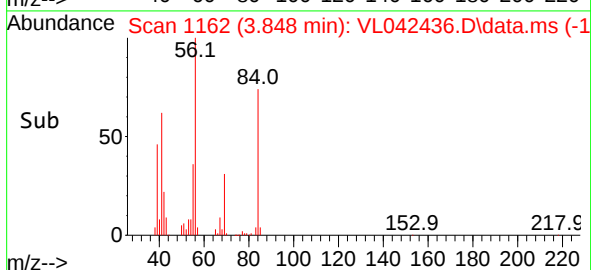
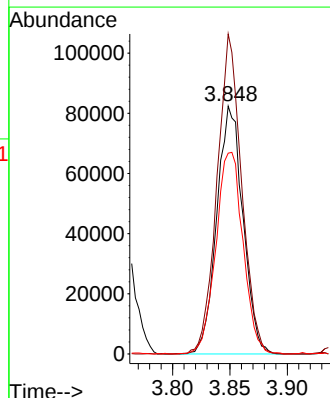
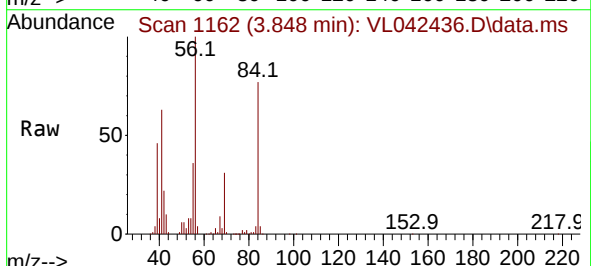
Tgt Ion: 84 Resp: 130608

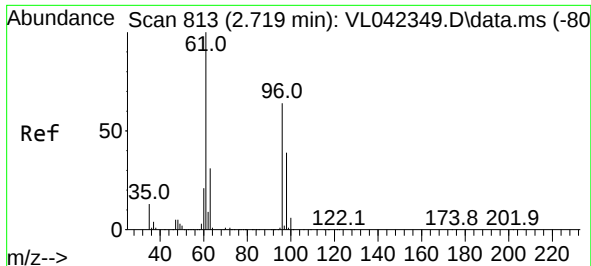
Ion Ratio Lower Upper

84 100

56 121.2 101.0 151.4

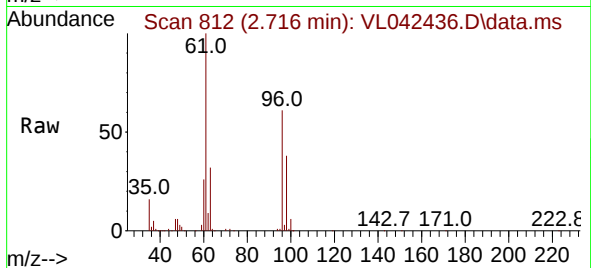
41 84.8 67.4 101.0





#31
 cis-1,2-Dichloroethene
 Concen: 9.818 ppbv
 RT: 2.716 min Scan# 81
 Delta R.T. -0.003 min
 Lab File: VL042436.D
 Acq: 29 Apr 2025 08:39

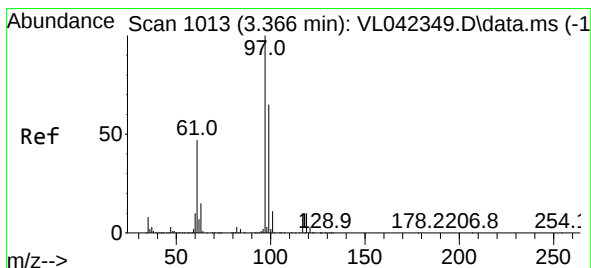
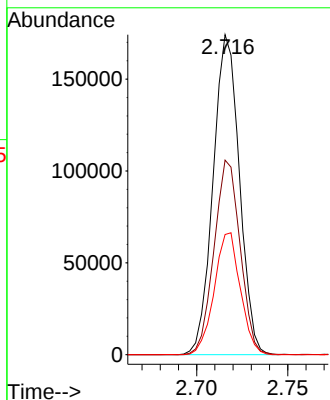
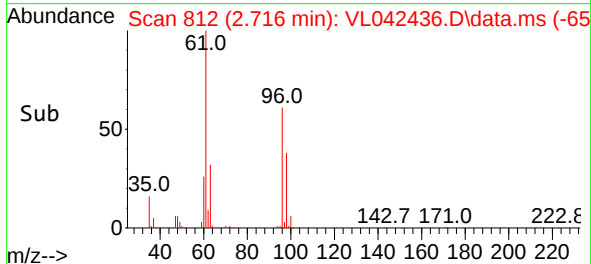
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010



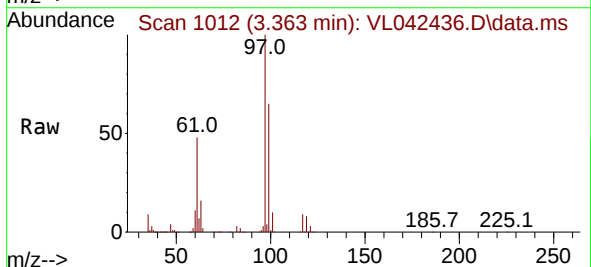
Tgt Ion: 61 Resp: 174659
 Ion Ratio Lower Upper
 61 100
 96 60.8 50.8 76.2
 98 37.6 30.9 46.3

Manual Integrations
 APPROVED

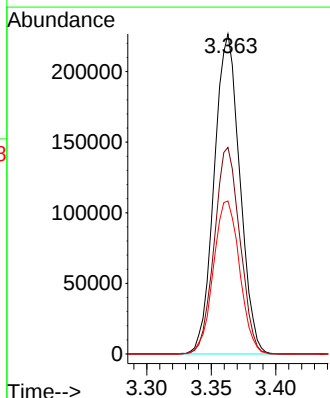
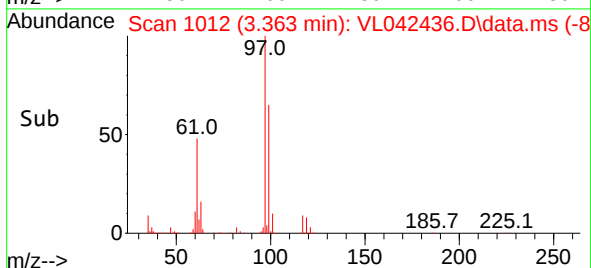
Reviewed By :Semsettin Yesilyurt 04/30/2025
 Supervised By :Mahesh Dadoda 04/30/2025

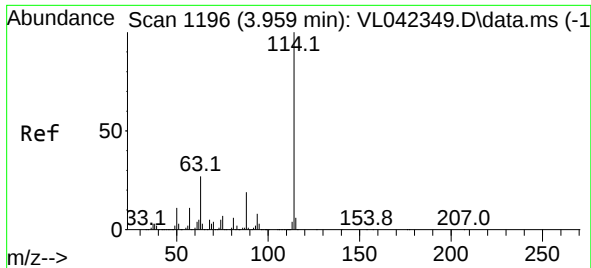


#32
 1,1,1-Trichloroethane
 Concen: 10.493 ppbv
 RT: 3.363 min Scan# 1012
 Delta R.T. -0.003 min
 Lab File: VL042436.D
 Acq: 29 Apr 2025 08:39



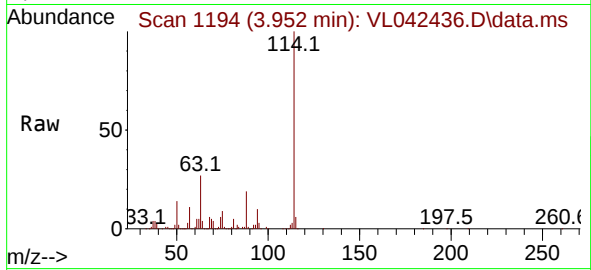
Tgt Ion: 97 Resp: 312430
 Ion Ratio Lower Upper
 97 100
 99 64.5 51.0 76.4
 61 49.1 38.8 58.2





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.952 min Scan# 1194
Delta R.T. -0.007 min
Lab File: VL042436.D
Acq: 29 Apr 2025 08:39

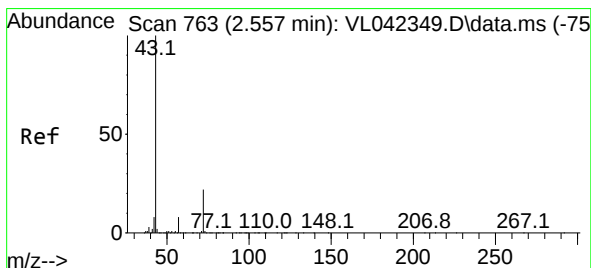
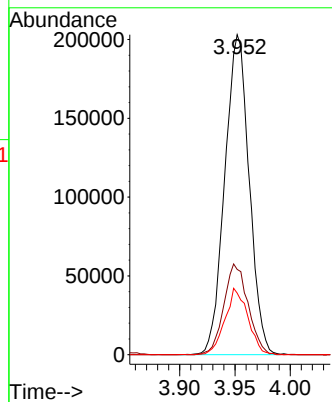
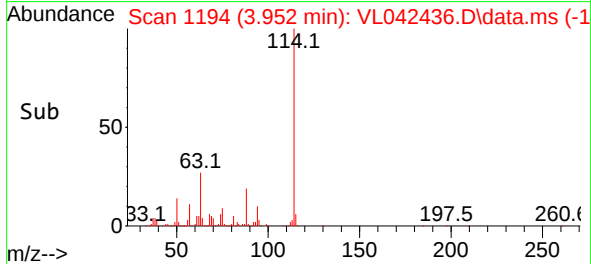
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



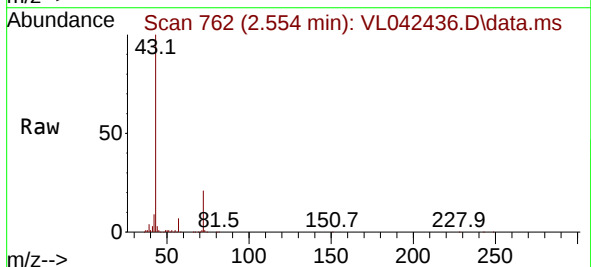
Tgt Ion:114 Resp: 311268
Ion Ratio Lower Upper
114 100
63 28.3 21.8 32.6
88 19.5 15.5 23.3

Manual Integrations
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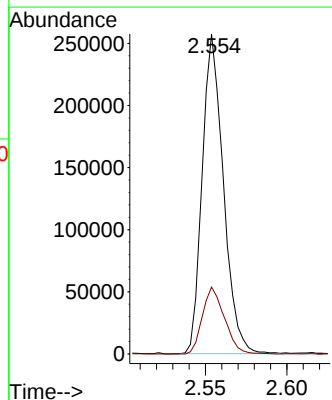
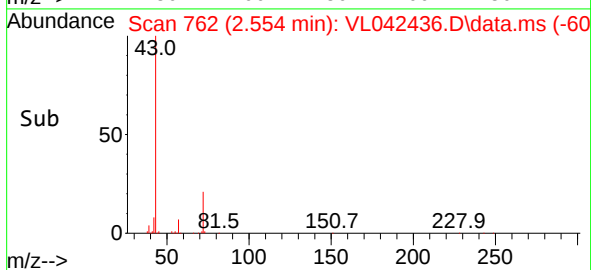
Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025

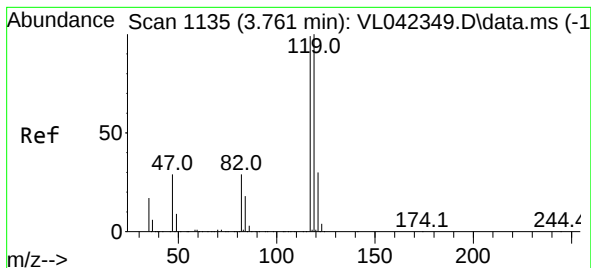


#34
2-Butanone
Concen: 9.426 ppbv
RT: 2.554 min Scan# 762
Delta R.T. -0.003 min
Lab File: VL042436.D
Acq: 29 Apr 2025 08:39



Tgt Ion: 43 Resp: 232034
Ion Ratio Lower Upper
43 100
72 21.8 18.2 27.2





#35

Carbon Tetrachloride

Concen: 11.242 ppbv

RT: 3.755 min Scan# 1135

Delta R.T. -0.007 min

Lab File: VL042436.D

Acq: 29 Apr 2025 08:39

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

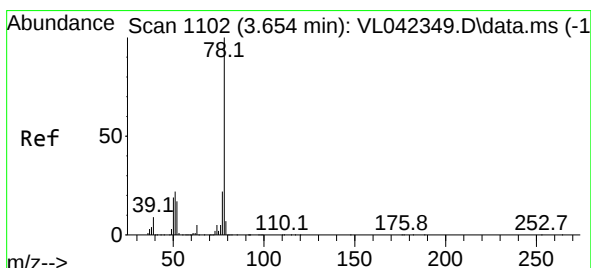
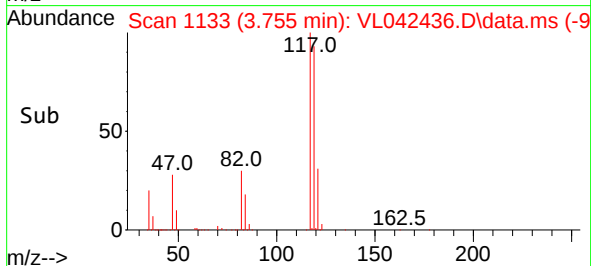
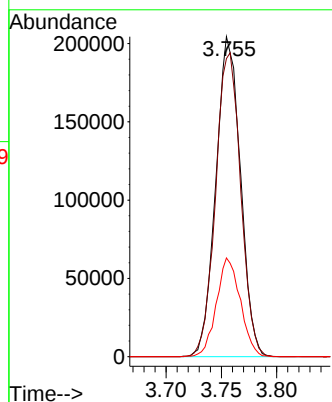
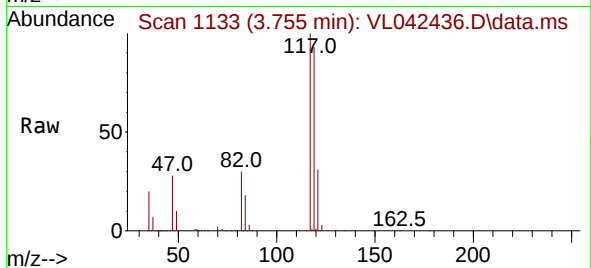
Tgt Ion:117 Resp: 316689

Ion	Ratio	Lower	Upper
117	100		
119	93.1	80.5	120.7
121	30.9	24.2	36.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025



#36

Benzene

Concen: 9.367 ppbv

RT: 3.651 min Scan# 1101

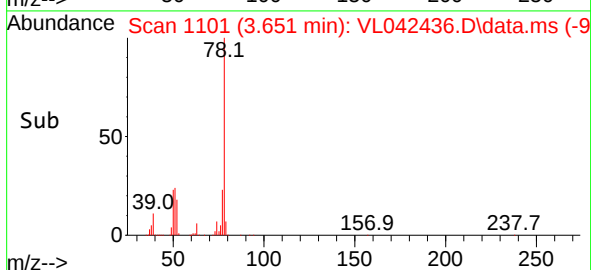
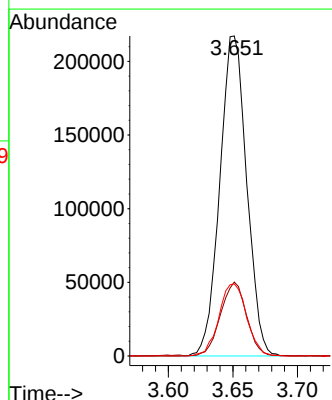
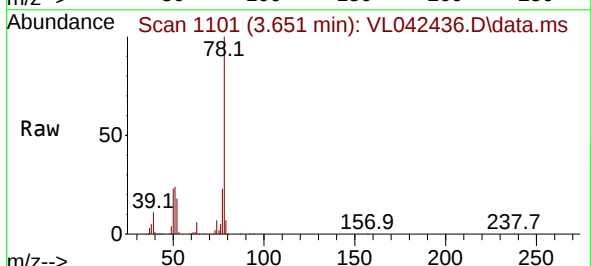
Delta R.T. -0.003 min

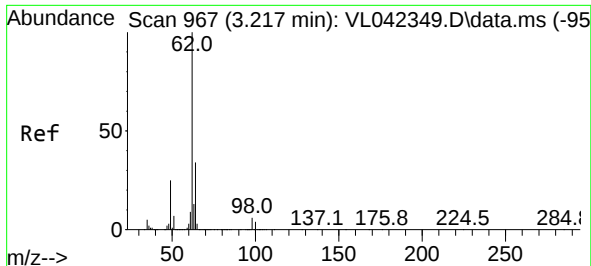
Lab File: VL042436.D

Acq: 29 Apr 2025 08:39

Tgt Ion: 78 Resp: 314493

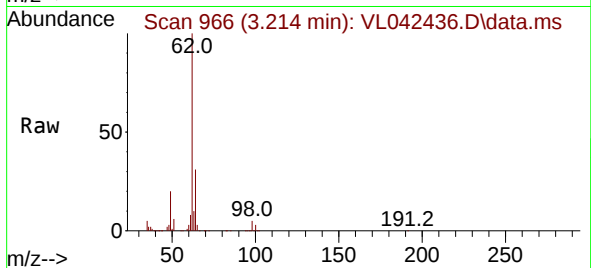
Ion	Ratio	Lower	Upper
78	100		
77	23.1	17.4	26.0
50	22.6	15.5	23.3





#37
1,2-Dichloroethane
Concen: 12.134 ppbv
RT: 3.214 min Scan# 966
Delta R.T. -0.003 min
Lab File: VL042436.D
Acq: 29 Apr 2025 08:39

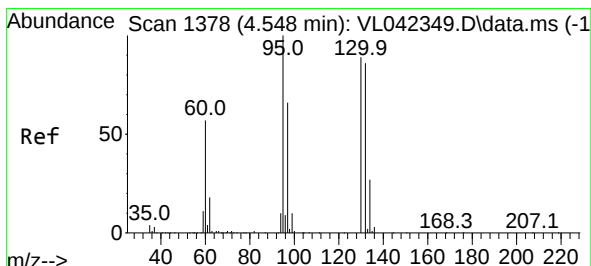
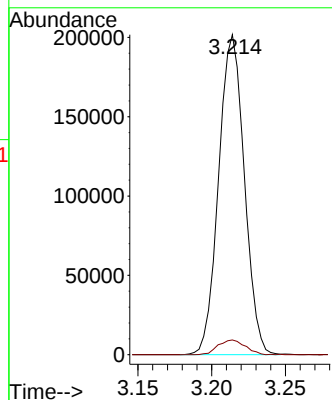
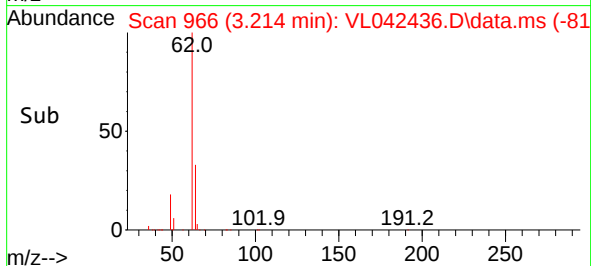
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



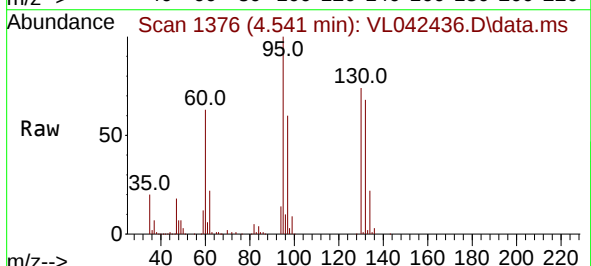
Tgt Ion: 62 Resp: 244510
Ion Ratio Lower Upper
62 100
98 4.9 5.1 7.7

Manual Integrations
APPROVED

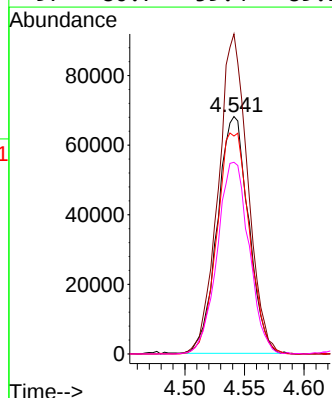
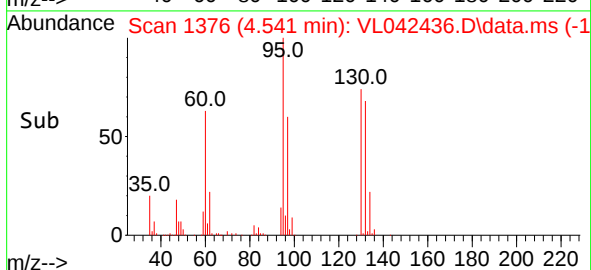
Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025

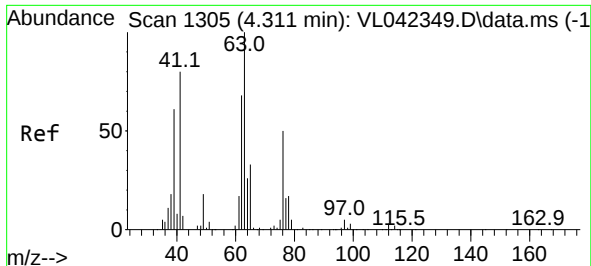


#38
Trichloroethene
Concen: 8.450 ppbv
RT: 4.541 min Scan# 1376
Delta R.T. -0.007 min
Lab File: VL042436.D
Acq: 29 Apr 2025 08:39



Tgt Ion:130 Resp: 123997
Ion Ratio Lower Upper
130 100
95 134.8 89.8 134.6#
132 92.0 77.7 116.5
97 80.7 59.4 89.2





#39

1,2-Dichloropropane

Concen: 8.817 ppbv

RT: 4.305 min Scan# 11031

Delta R.T. -0.007 min

Lab File: VL042436.D

Acq: 29 Apr 2025 08:39

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 63 Resp: 11031

Ion Ratio Lower Upper

63 100

41 102.2 64.2 96.2

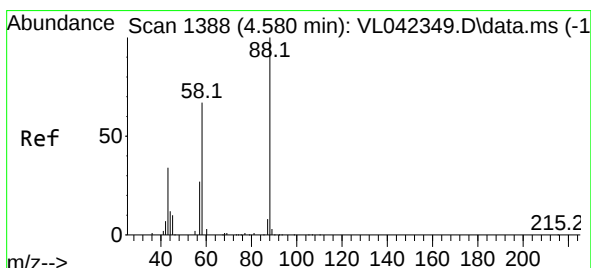
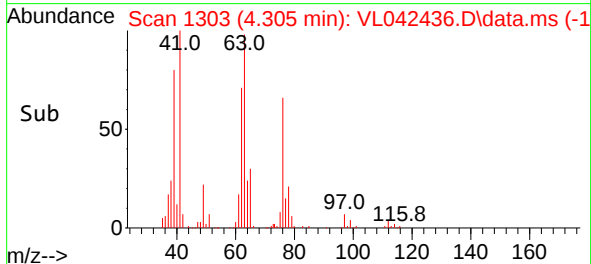
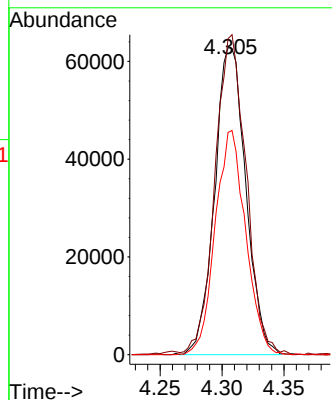
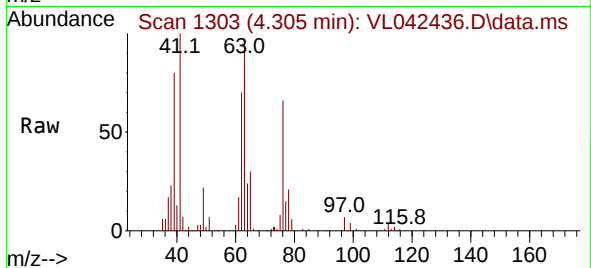
62 72.1 54.3 81.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/30/2025

Supervised By :Mahesh Dadoda 04/30/2025



#40

1,4-Dioxane

Concen: 7.907 ppbv

RT: 4.577 min Scan# 1387

Delta R.T. -0.003 min

Lab File: VL042436.D

Acq: 29 Apr 2025 08:39

Tgt Ion: 88 Resp: 54364

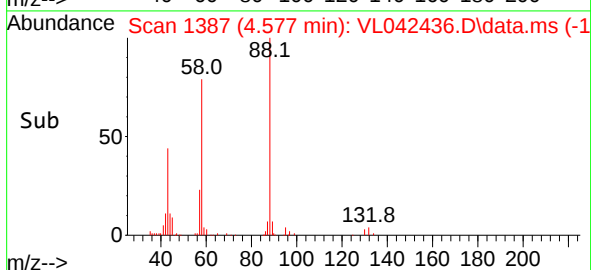
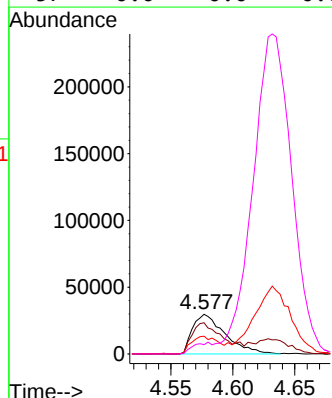
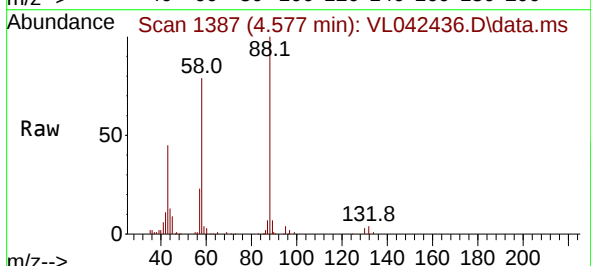
Ion Ratio Lower Upper

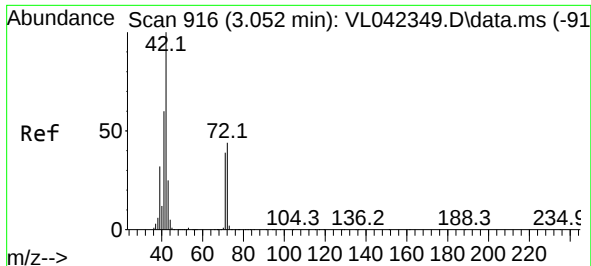
88 100

58 81.3 61.4 92.0

43 40.1 23.2 34.8

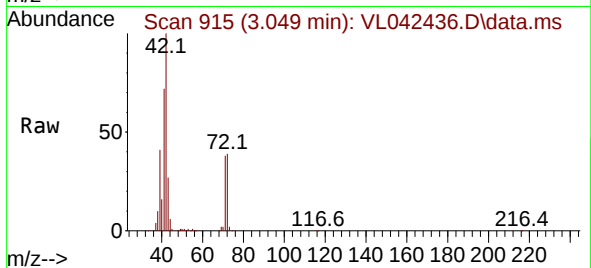
57 0.0 0.0 0.0





#41
Tetrahydrofuran
Concen: 8.479 ppbv
RT: 3.049 min Scan# 916
Delta R.T. -0.003 min
Lab File: VL042436.D
Acq: 29 Apr 2025 08:39

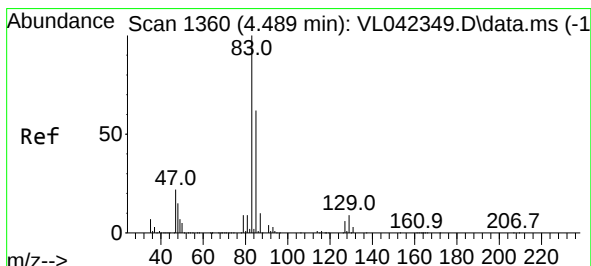
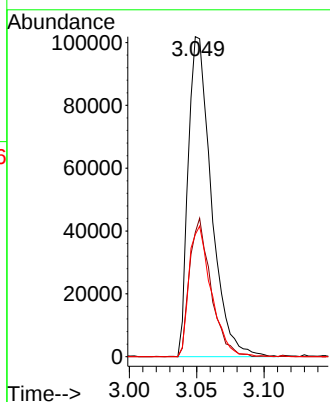
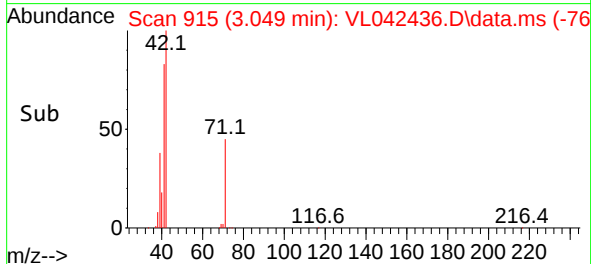
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



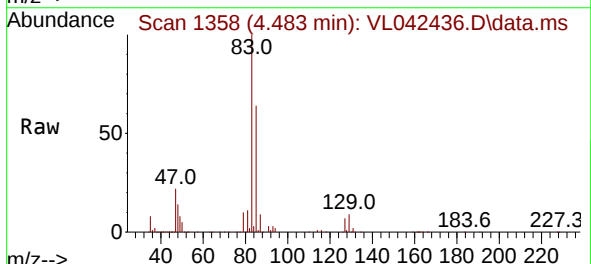
Tgt Ion: 42 Resp: 121700
Ion Ratio Lower Upper
42 100
72 40.2 32.3 48.5
71 39.5 31.4 47.2

Manual Integrations
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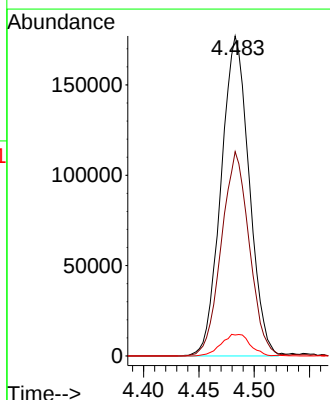
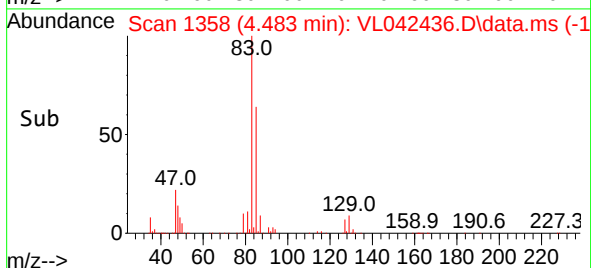
Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025

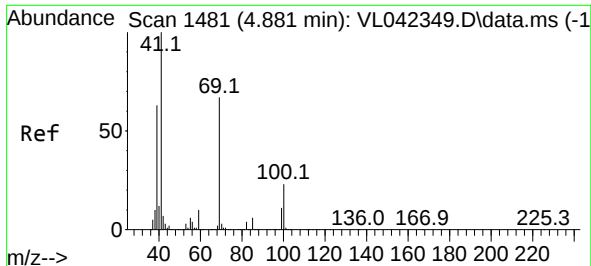


#42
Bromodichloromethane
Concen: 11.127 ppbv
RT: 4.483 min Scan# 1358
Delta R.T. -0.007 min
Lab File: VL042436.D
Acq: 29 Apr 2025 08:39



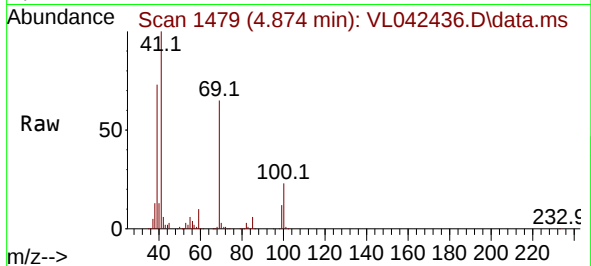
Tgt Ion: 83 Resp: 312029
Ion Ratio Lower Upper
83 100
85 63.8 49.7 74.5
127 6.6 5.1 7.7





#43
Methyl Methacrylate
Concen: 8.367 ppbv
RT: 4.874 min Scan# 1479
Delta R.T. -0.007 min
Lab File: VL042436.D
Acq: 29 Apr 2025 08:39

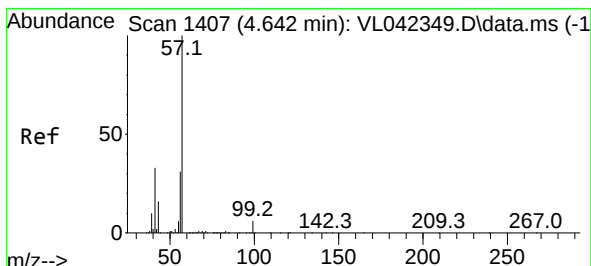
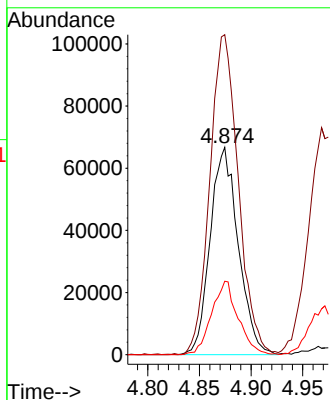
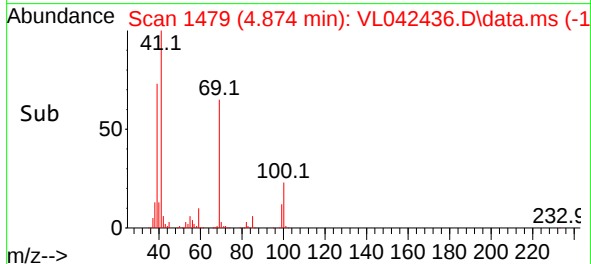
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



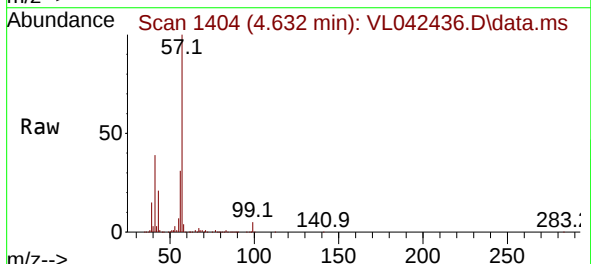
Tgt Ion: 69 Resp: 126594
Ion Ratio Lower Upper
69 100
41 156.3 118.6 177.8
100 33.3 28.2 42.2

Manual Integrations
APPROVED

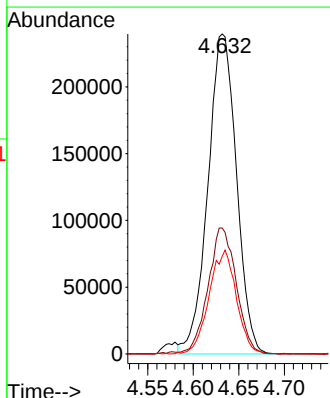
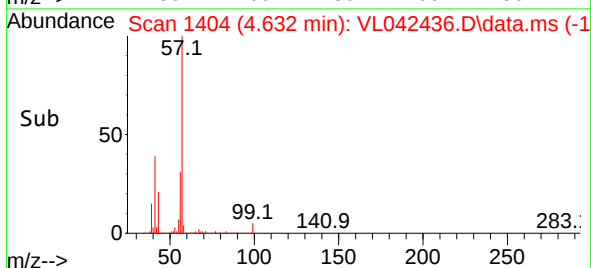
Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025

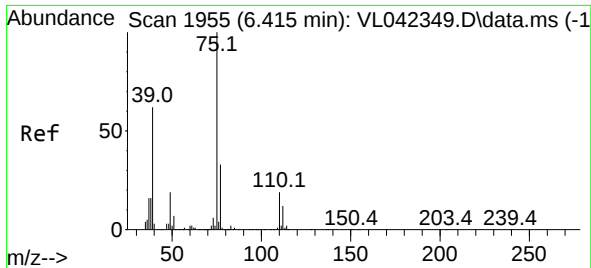


#44
2,2,4-Trimethylpentane
Concen: 9.010 ppbv
RT: 4.632 min Scan# 1404
Delta R.T. -0.010 min
Lab File: VL042436.D
Acq: 29 Apr 2025 08:39



Tgt Ion: 57 Resp: 522427
Ion Ratio Lower Upper
57 100
41 39.2 27.2 40.8
56 31.1 25.7 38.5





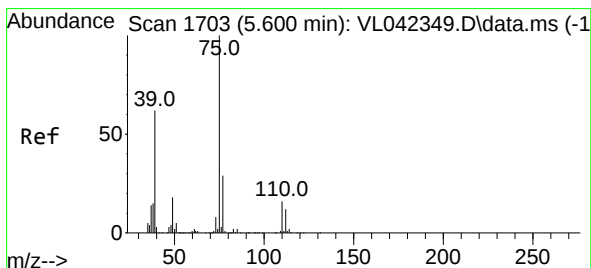
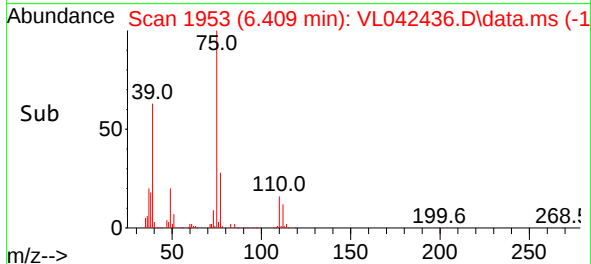
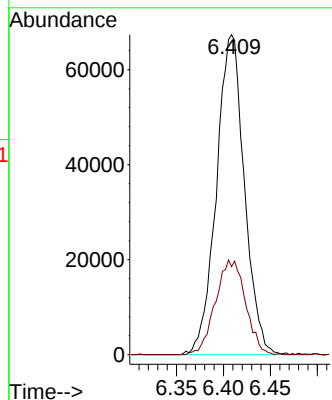
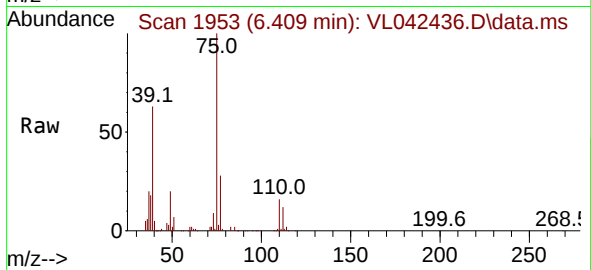
#45
t-1,3-Dichloropropene
Concen: 9.026 ppbv
RT: 6.409 min Scan# 1955
Delta R.T. -0.007 min
Lab File: VL042436.D
Acq: 29 Apr 2025 08:39

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 75 Resp: 139508
Ion Ratio Lower Upper
75 100
77 27.5 27.0 40.6

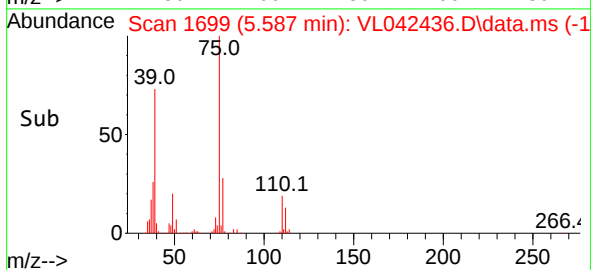
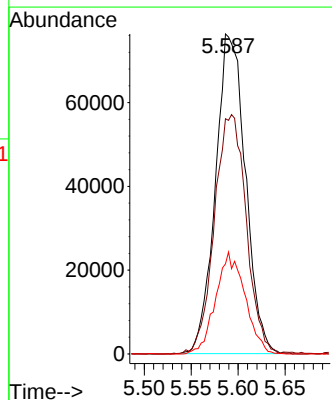
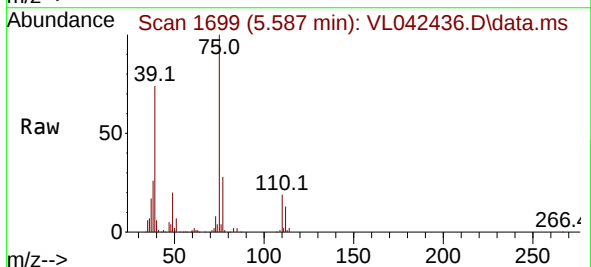
Manual Integrations
APPROVED

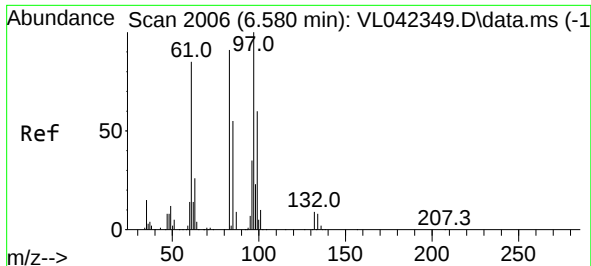
Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025



#46
cis-1,3-Dichloropropene
Concen: 8.953 ppbv
RT: 5.587 min Scan# 1699
Delta R.T. -0.013 min
Lab File: VL042436.D
Acq: 29 Apr 2025 08:39

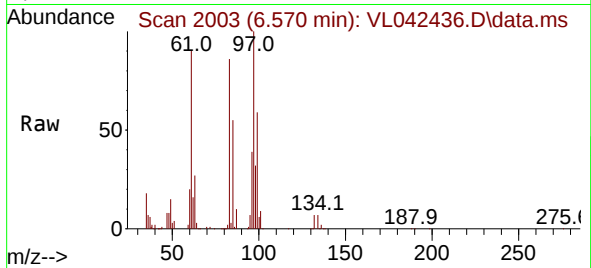
Tgt Ion: 75 Resp: 169355
Ion Ratio Lower Upper
75 100
39 73.4 50.0 75.0
77 28.2 23.0 34.6





#47
1,1,2-Trichloroethane
Concen: 10.138 ppbv m
RT: 6.570 min Scan# 2006
Delta R.T. -0.010 min
Lab File: VL042436.D
Acq: 29 Apr 2025 08:39

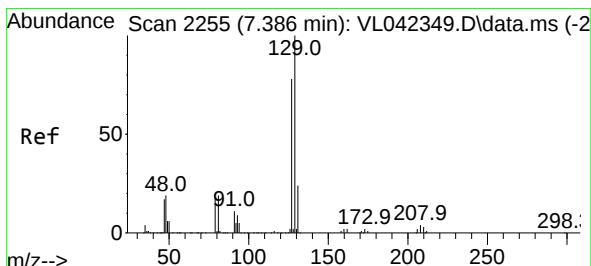
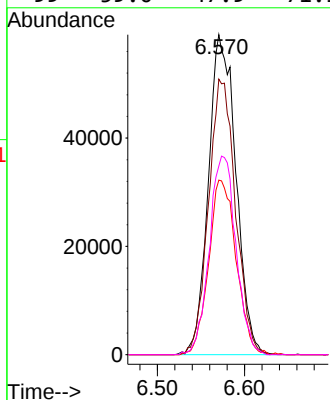
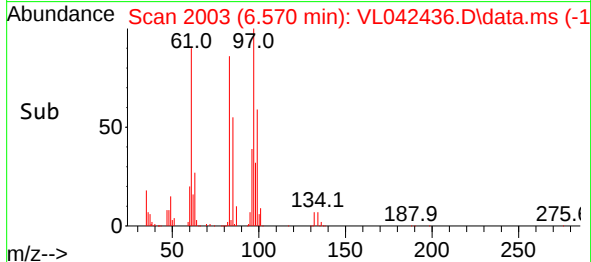
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



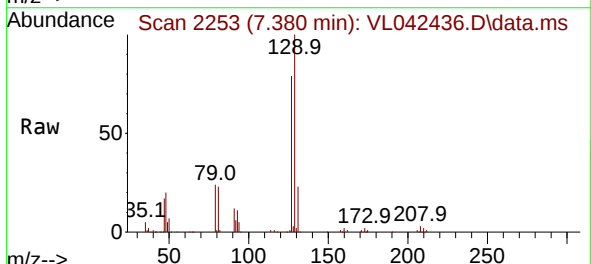
Tgt Ion: 97 Resp: 12922
Ion Ratio Lower Upper
97 100
83 86.1 72.8 109.2
85 54.6 44.2 66.4
99 59.0 47.9 71.9

Manual Integrations
APPROVED

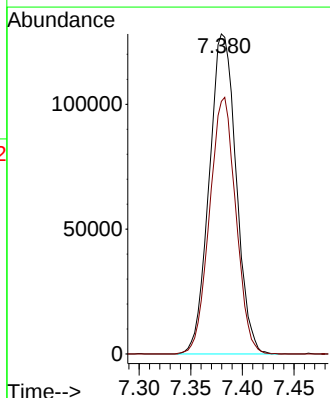
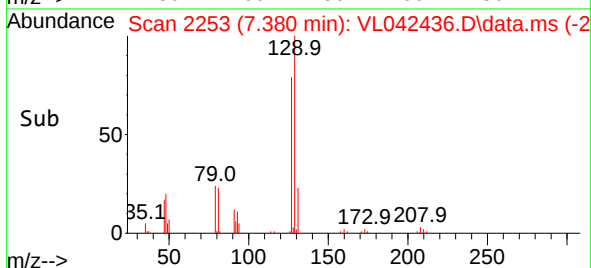
Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025

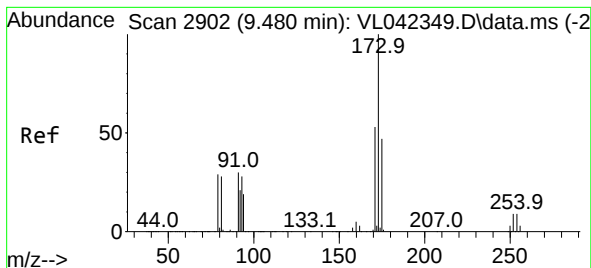


#48
Dibromochloromethane
Concen: 10.339 ppbv
RT: 7.380 min Scan# 2253
Delta R.T. -0.007 min
Lab File: VL042436.D
Acq: 29 Apr 2025 08:39



Tgt Ion:129 Resp: 232818
Ion Ratio Lower Upper
129 100
127 78.1 39.1 117.3





#49

Bromoform

Concen: 9.593 ppbv

RT: 9.477 min Scan# 2902

Delta R.T. -0.003 min

Lab File: VL042436.D

Acq: 29 Apr 2025 08:39

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion:173 Resp: 188890

Ion Ratio Lower Upper

173 100

175 48.7 38.2 57.2

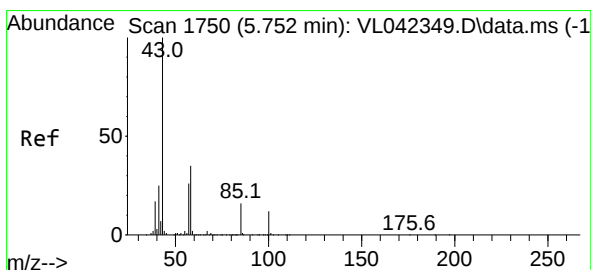
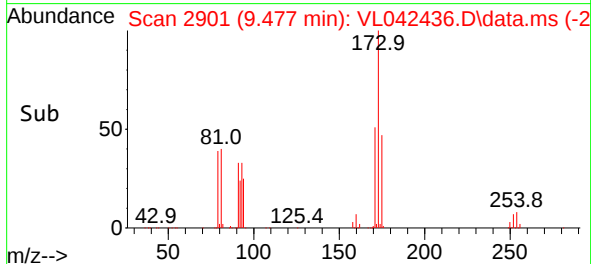
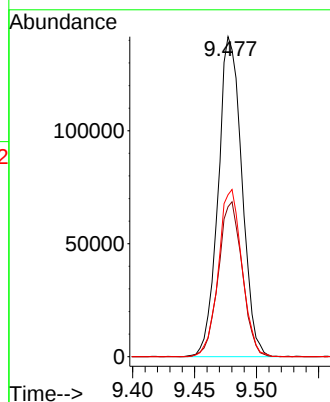
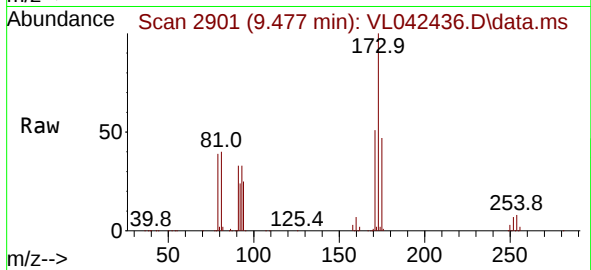
171 52.0 40.9 61.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/30/2025

Supervised By :Mahesh Dadoda 04/30/2025



#50

4-Methyl-2-Pentanone

Concen: 7.965 ppbv

RT: 5.742 min Scan# 1747

Delta R.T. -0.010 min

Lab File: VL042436.D

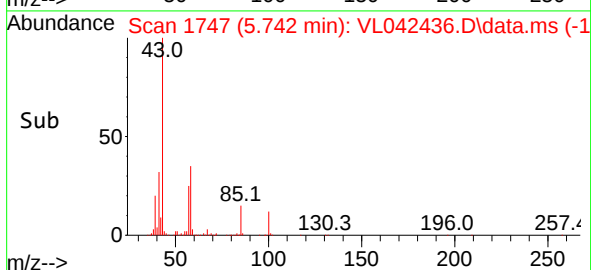
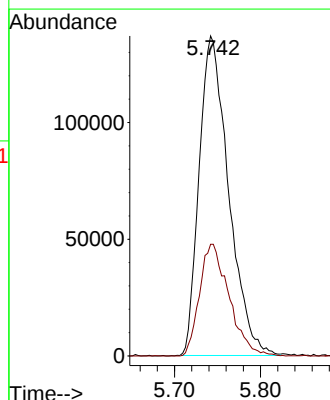
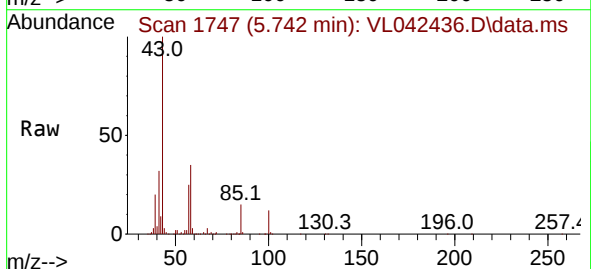
Acq: 29 Apr 2025 08:39

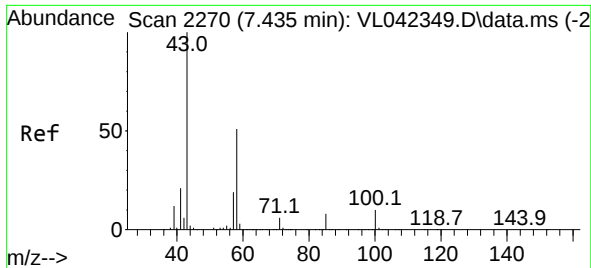
Tgt Ion: 43 Resp: 325855

Ion Ratio Lower Upper

43 100

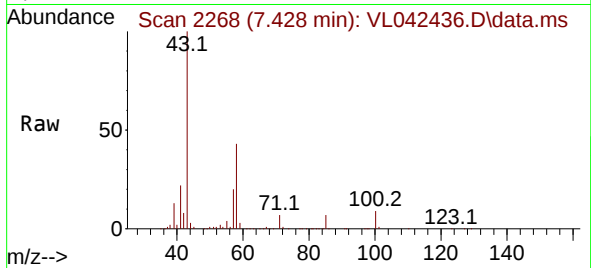
58 35.1 28.6 43.0





#51
2-Hexanone
Concen: 7.357 ppbv
RT: 7.428 min Scan# 21
Delta R.T. -0.007 min
Lab File: VL042436.D
Acq: 29 Apr 2025 08:39

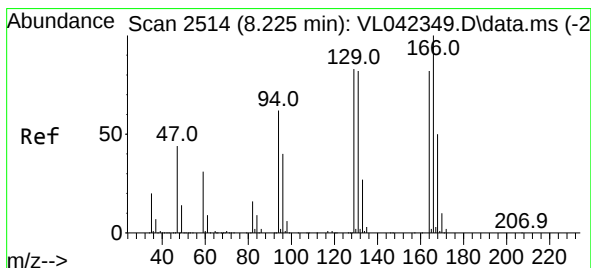
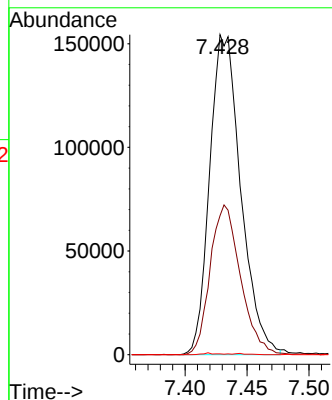
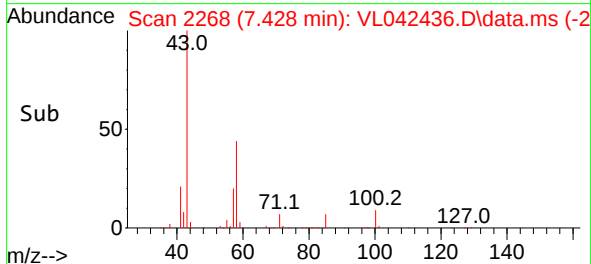
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



Tgt Ion: 43 Resp: 269915
Ion Ratio Lower Upper
43 100
58 45.8 40.2 60.4
98 0.4 0.1 0.1

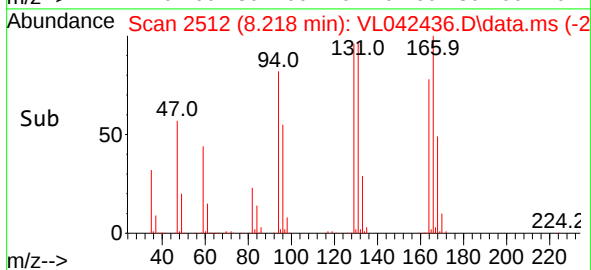
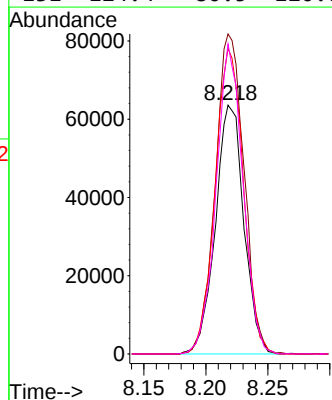
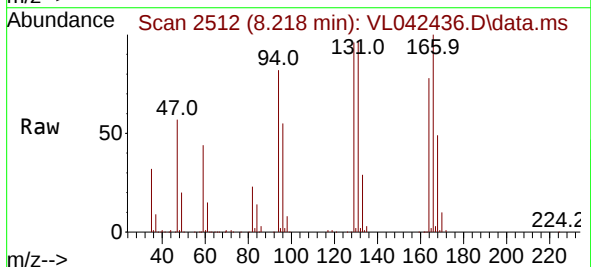
Manual Integrations
APPROVED

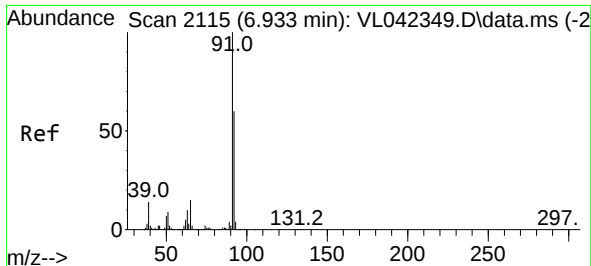
Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025



#52
Tetrachloroethene
Concen: 7.833 ppbv
RT: 8.218 min Scan# 2512
Delta R.T. -0.007 min
Lab File: VL042436.D
Acq: 29 Apr 2025 08:39

Tgt Ion:164 Resp: 101642
Ion Ratio Lower Upper
164 100
166 128.6 98.2 147.2
129 122.8 81.8 122.8#
131 124.4 80.5 120.7#





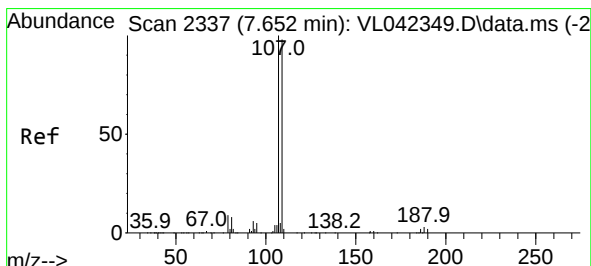
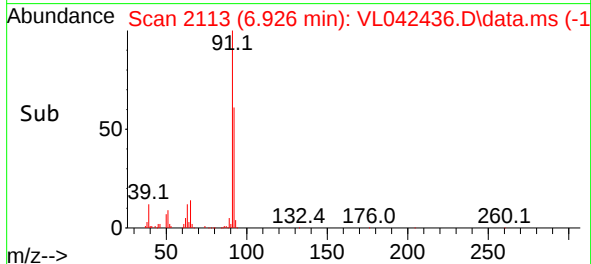
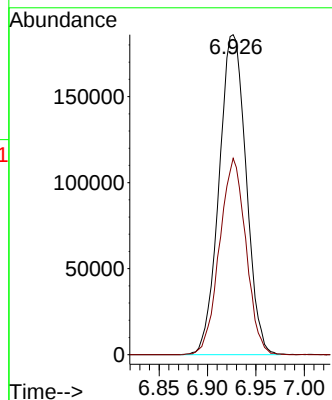
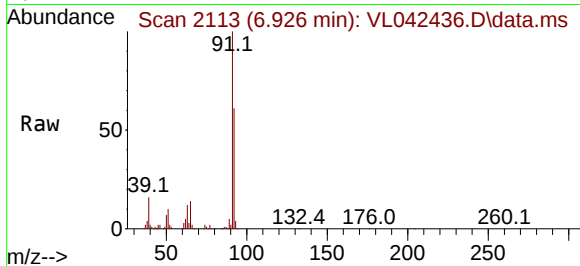
#53
Toluene
Concen: 8.968 ppbv
RT: 6.926 min Scan# 2115
Delta R.T. -0.007 min
Lab File: VL042436.D
Acq: 29 Apr 2025 08:39

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 91 Resp: 36131
Ion Ratio Lower Upper
91 100
92 59.9 48.2 72.4

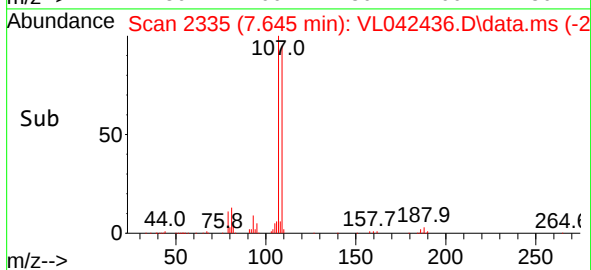
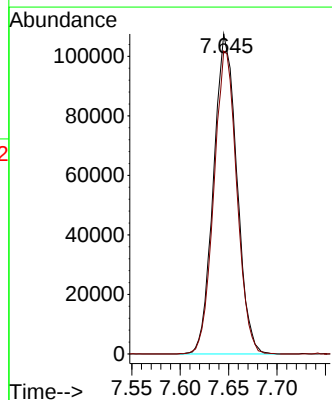
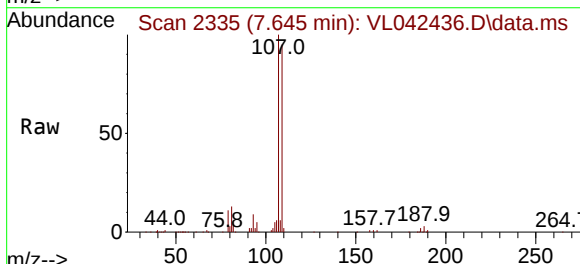
Manual Integrations
APPROVED

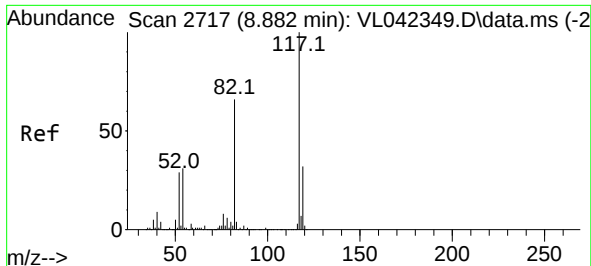
Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025



#54
1,2-Dibromoethane
Concen: 9.861 ppbv
RT: 7.645 min Scan# 2335
Delta R.T. -0.007 min
Lab File: VL042436.D
Acq: 29 Apr 2025 08:39

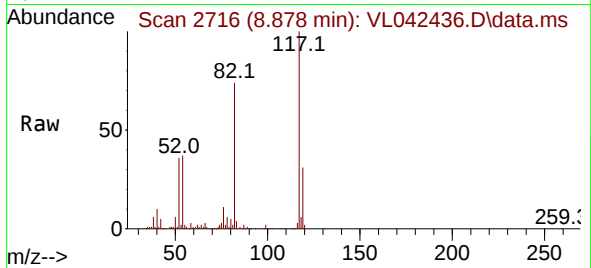
Tgt Ion:107 Resp: 179895
Ion Ratio Lower Upper
107 100
109 94.7 78.2 117.4





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.878 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL042436.D
Acq: 29 Apr 2025 08:39

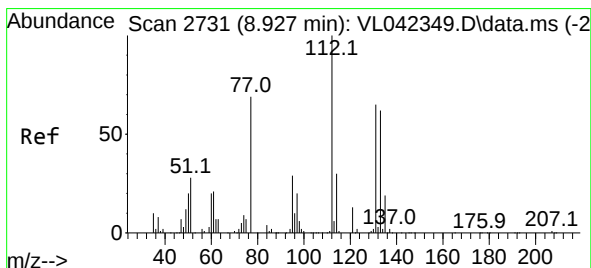
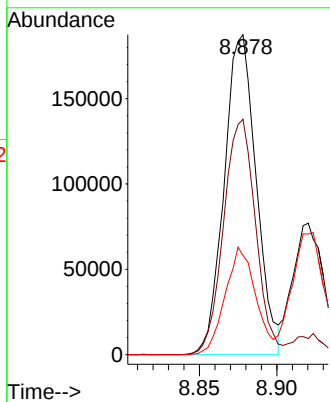
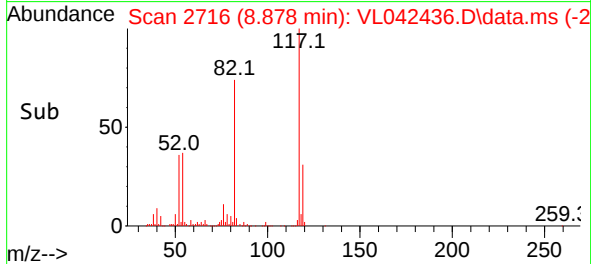
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



Tgt Ion:117 Resp: 26998
Ion Ratio Lower Upper
117 100
82 79.6 57.8 86.6
119 32.9 25.2 37.8

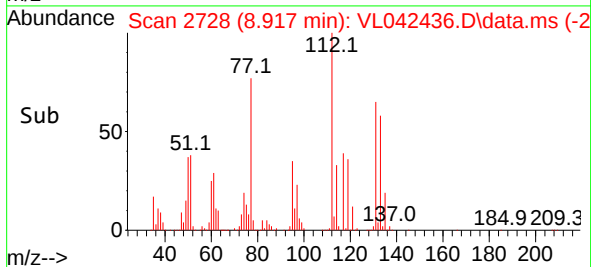
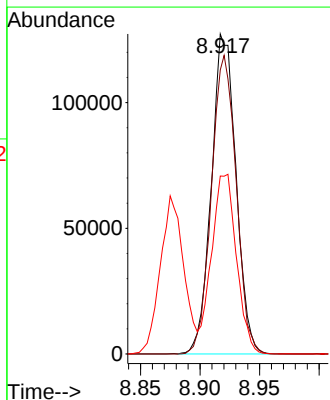
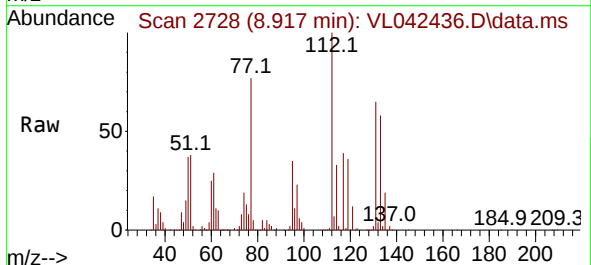
Manual Integrations
APPROVED

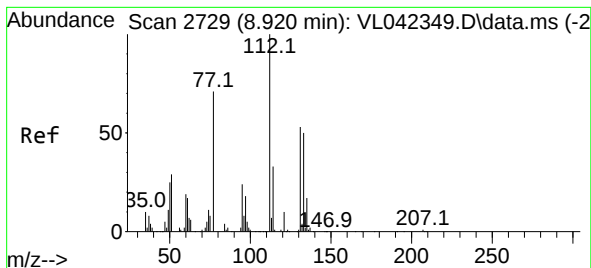
Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025



#56
1,1,1,2-Tetrachloroethane
Concen: 11.184 ppbv
RT: 8.917 min Scan# 2728
Delta R.T. -0.010 min
Lab File: VL042436.D
Acq: 29 Apr 2025 08:39

Tgt Ion:131 Resp: 182759
Ion Ratio Lower Upper
131 100
133 93.9 78.3 117.5
119 55.8 48.7 73.1





#57

Chlorobenzene

Concen: 10.086 ppbv

RT: 8.920 min Scan# 21

Delta R.T. -0.000 min

Lab File: VL042436.D

Acq: 29 Apr 2025 08:39

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

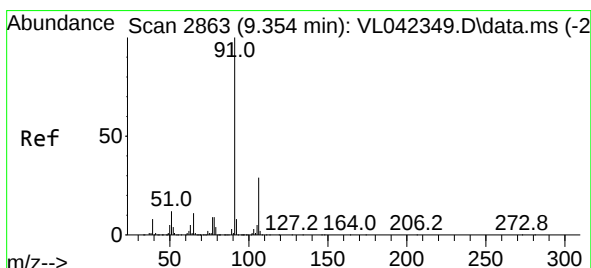
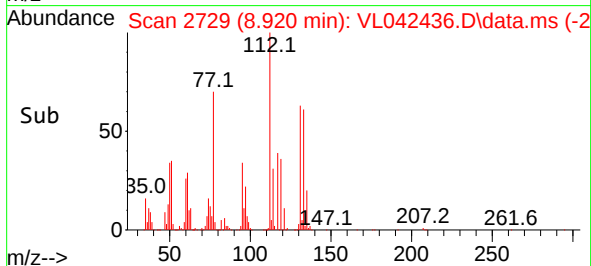
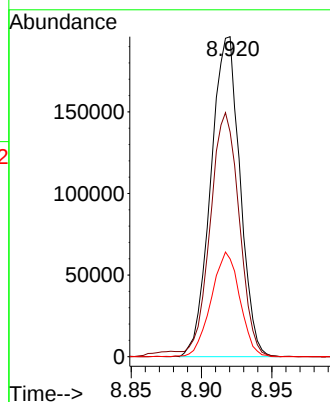
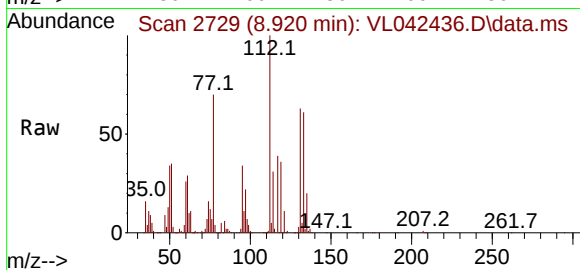
Tgt Ion:112 Resp: 283210

Ion	Ratio	Lower	Upper
112	100		
77	70.2	57.8	86.6
114	30.6	29.3	35.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025



#58

Ethyl Benzene

Concen: 10.032 ppbv

RT: 9.351 min Scan# 2862

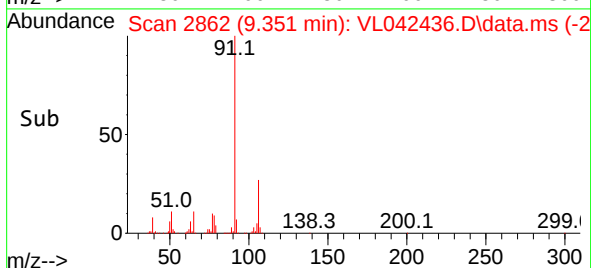
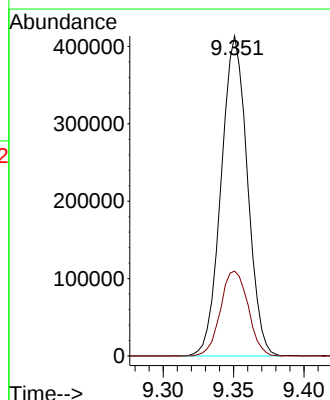
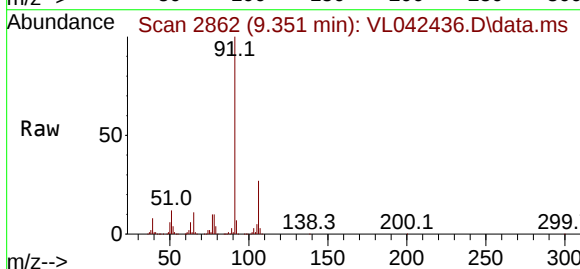
Delta R.T. -0.003 min

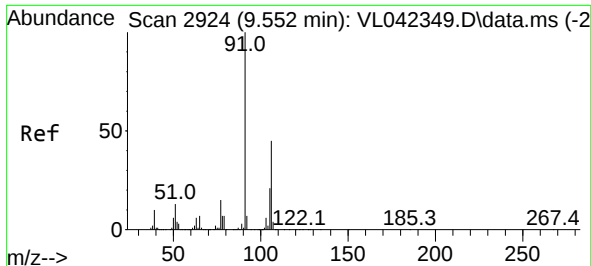
Lab File: VL042436.D

Acq: 29 Apr 2025 08:39

Tgt Ion: 91 Resp: 536634

Ion	Ratio	Lower	Upper
91	100		
106	26.5	23.0	34.4





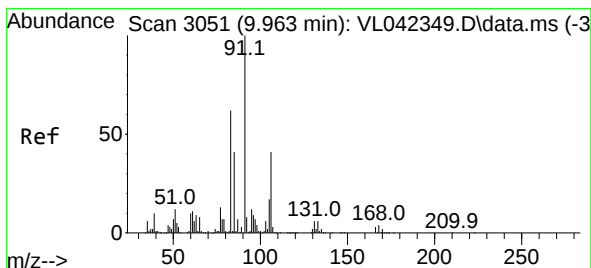
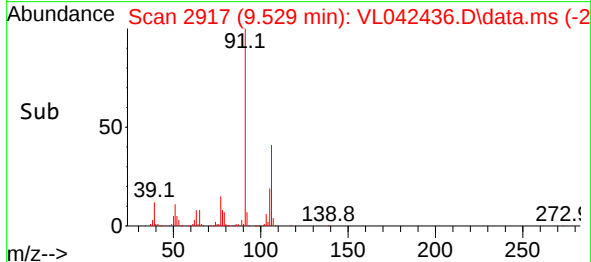
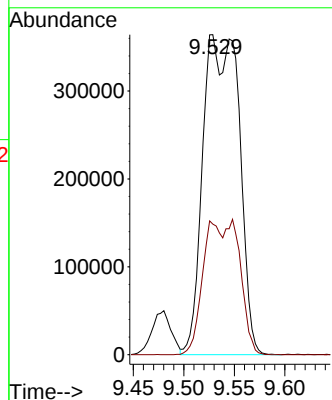
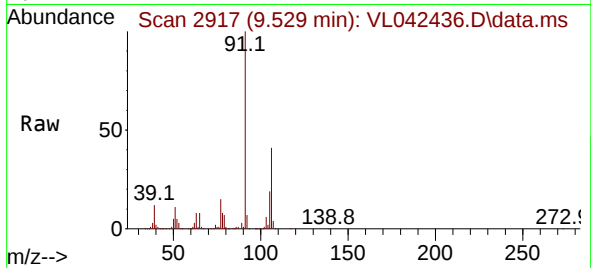
#59
m/p-Xylene
Concen: 21.110 ppbv m
RT: 9.529 min Scan# 2917
Delta R.T. -0.023 min
Lab File: VL042436.D
Acq: 29 Apr 2025 08:39

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 91 Resp: 909704
Ion Ratio Lower Upper
91 100
106 41.9 35.4 53.2

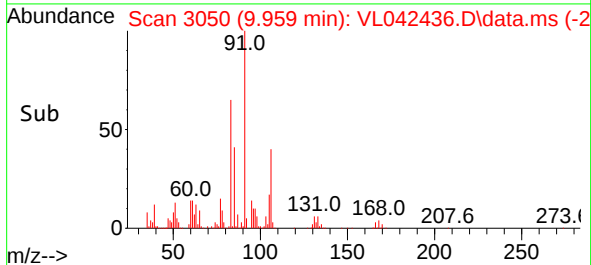
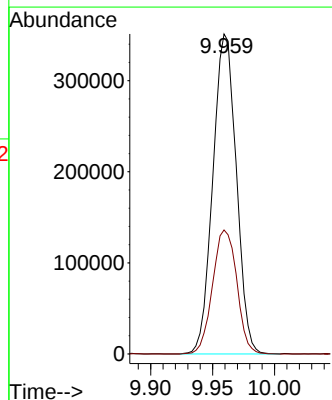
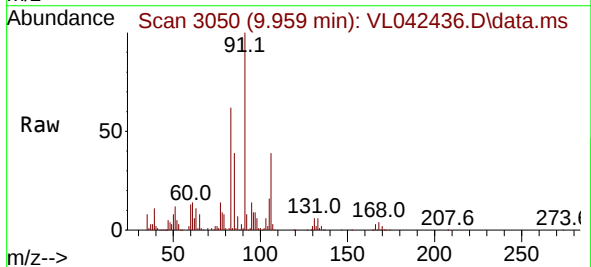
Manual Integrations
APPROVED

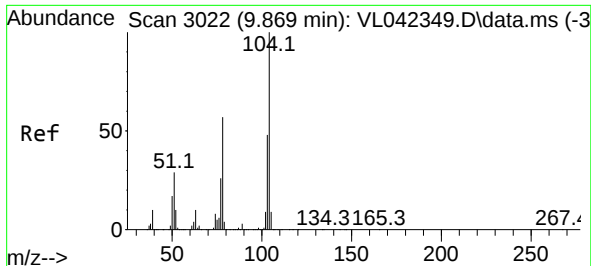
Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025



#60
o-Xylene
Concen: 10.686 ppbv
RT: 9.959 min Scan# 3050
Delta R.T. -0.003 min
Lab File: VL042436.D
Acq: 29 Apr 2025 08:39

Tgt Ion: 91 Resp: 463713
Ion Ratio Lower Upper
91 100
106 40.0 21.1 63.4





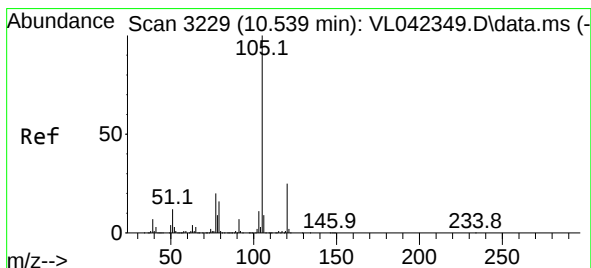
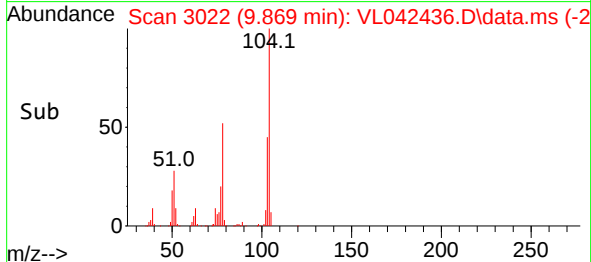
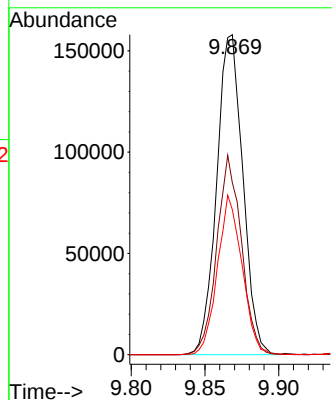
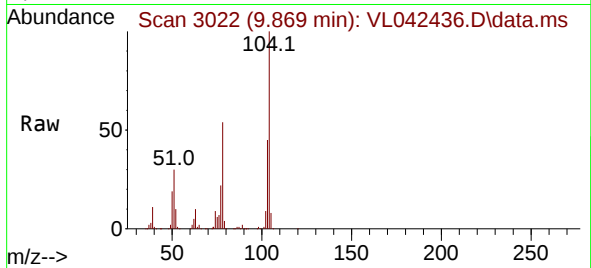
#61
Styrene
Concen: 9.454 ppbv
RT: 9.869 min Scan# 3022
Delta R.T. -0.000 min
Lab File: VL042436.D
Acq: 29 Apr 2025 08:39

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion:104 Resp: 195811
Ion Ratio Lower Upper
104 100
78 58.5 44.6 66.8
103 46.7 37.4 56.0

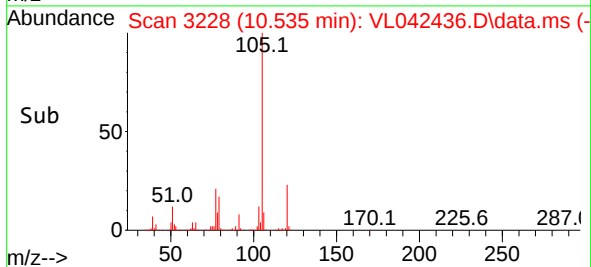
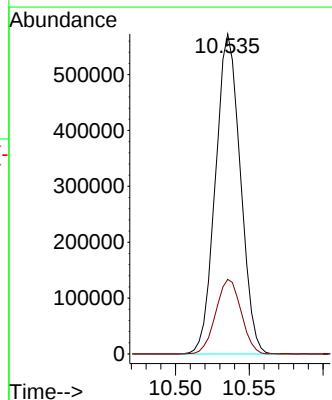
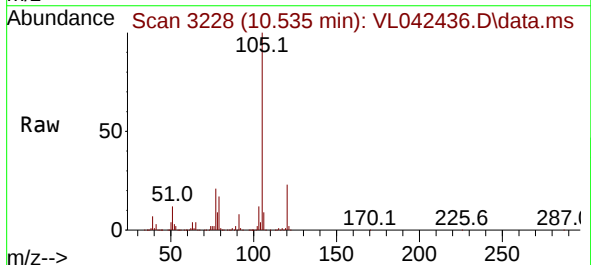
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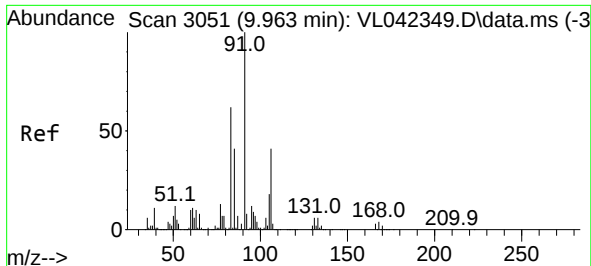
Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025



#62
Isopropylbenzene
Concen: 10.558 ppbv
RT: 10.535 min Scan# 3228
Delta R.T. -0.003 min
Lab File: VL042436.D
Acq: 29 Apr 2025 08:39

Tgt Ion:105 Resp: 672630
Ion Ratio Lower Upper
105 100
120 23.7 19.8 29.8





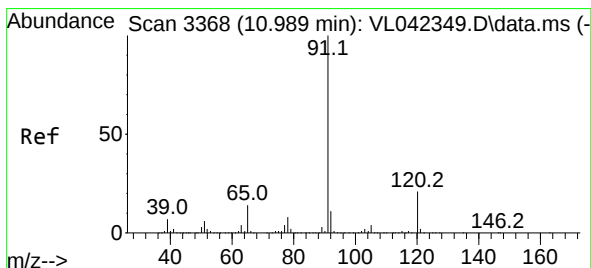
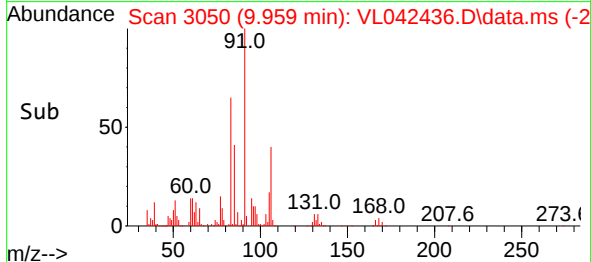
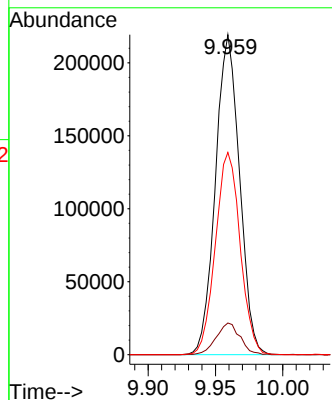
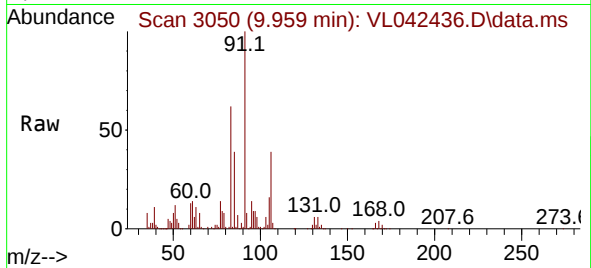
#63
1,1,2,2-Tetrachloroethane
Concen: 9.699 ppbv
RT: 9.959 min Scan# 3050
Delta R.T. -0.003 min
Lab File: VL042436.D
Acq: 29 Apr 2025 08:39

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 83 Resp: 272740
Ion Ratio Lower Upper
83 100
131 9.8 4.5 13.7
85 65.0 32.4 97.0

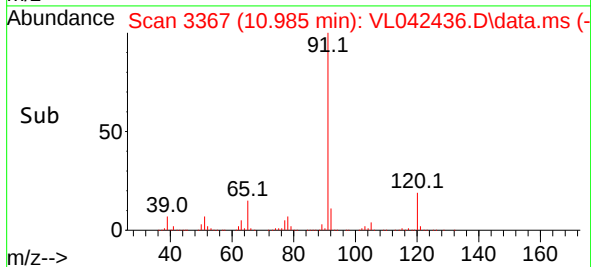
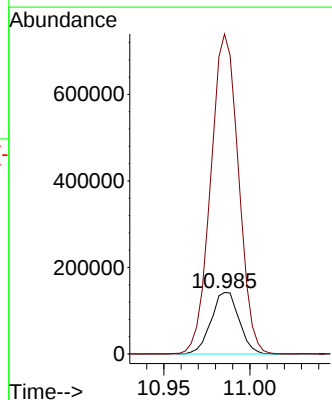
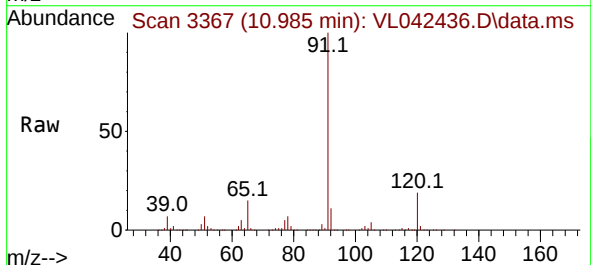
Manual Integrations
APPROVED

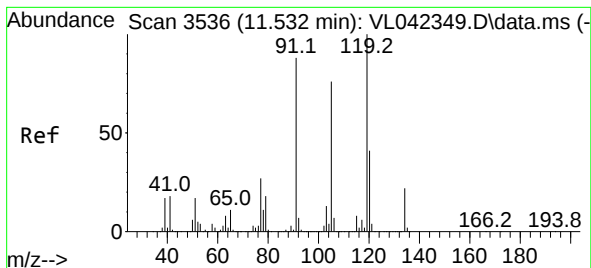
Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025



#64
n-propylbenzene
Concen: 10.037 ppbv
RT: 10.985 min Scan# 3367
Delta R.T. -0.003 min
Lab File: VL042436.D
Acq: 29 Apr 2025 08:39

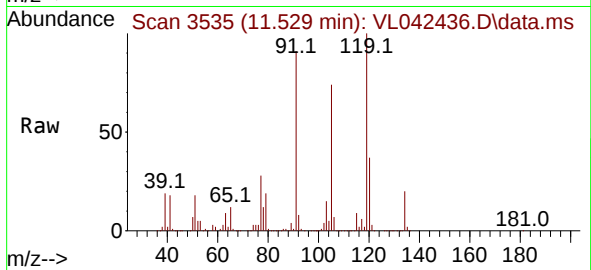
Tgt Ion:120 Resp: 160736
Ion Ratio Lower Upper
120 100
91 518.7 392.4 588.6





#65
tert-Butylbenzene
Concen: 10.535 ppbv
RT: 11.529 min Scan# 3535
Delta R.T. -0.003 min
Lab File: VL042436.D
Acq: 29 Apr 2025 08:39

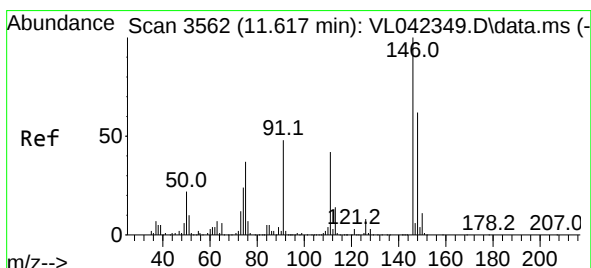
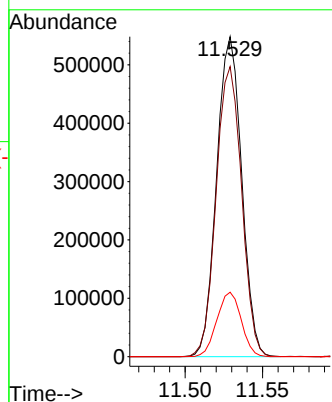
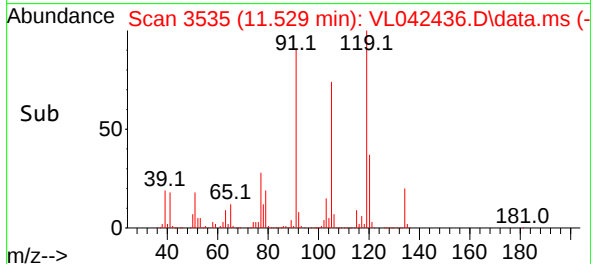
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



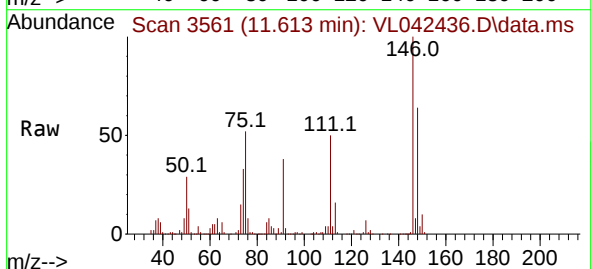
Tgt Ion: 119 Resp: 616872
Ion Ratio Lower Upper
119 100
91 92.2 74.6 111.8
134 19.6 18.8 28.2

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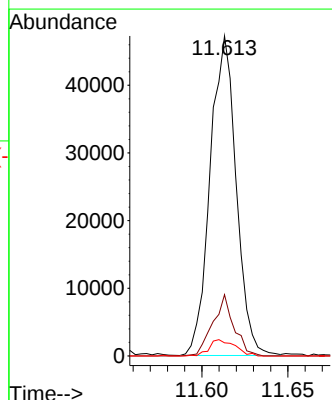
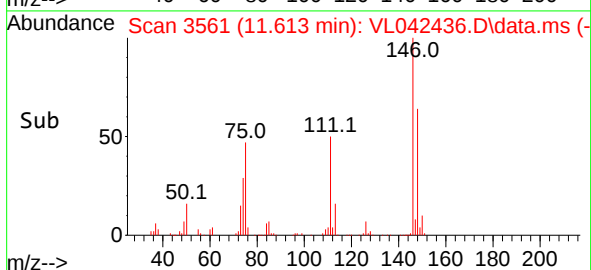
Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025

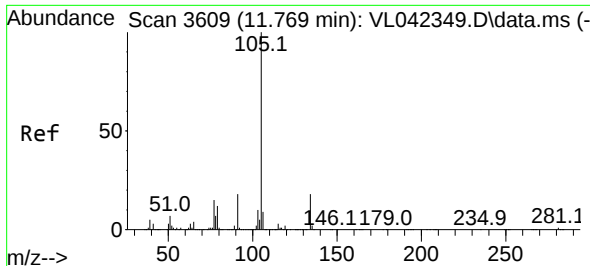


#66
Benzyl Chloride
Concen: 7.746 ppbv
RT: 11.613 min Scan# 3561
Delta R.T. -0.003 min
Lab File: VL042436.D
Acq: 29 Apr 2025 08:39



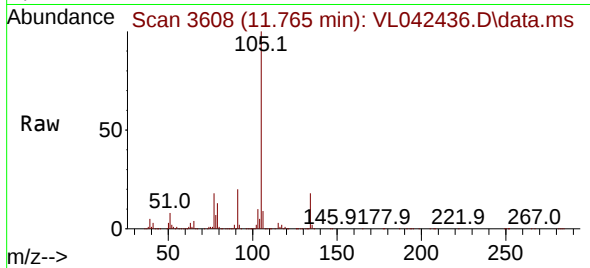
Tgt Ion: 91 Resp: 49841
Ion Ratio Lower Upper
91 100
126 15.4 11.8 17.6
128 5.1 4.5 6.7





#67
 sec-Butylbenzene
 Concen: 10.677 ppbv
 RT: 11.765 min Scan# 3608
 Delta R.T. -0.003 min
 Lab File: VL042436.D
 Acq: 29 Apr 2025 08:39

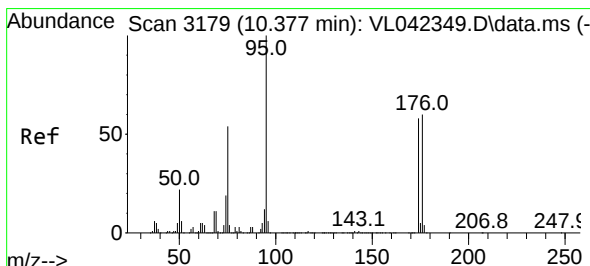
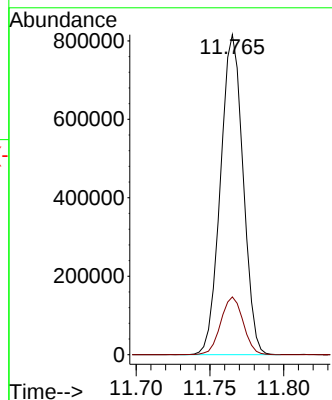
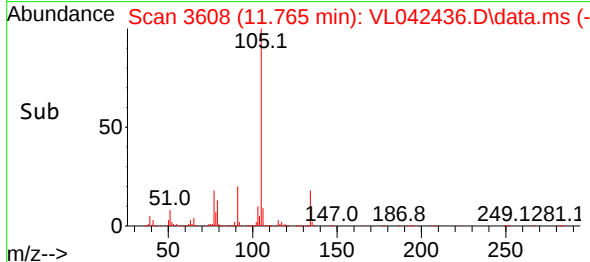
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010



Tgt Ion: 105 Resp: 869598
 Ion Ratio Lower Upper
 105 100
 134 17.9 14.6 21.8

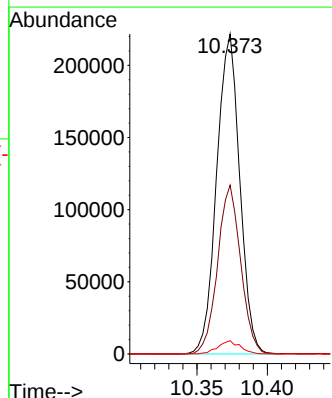
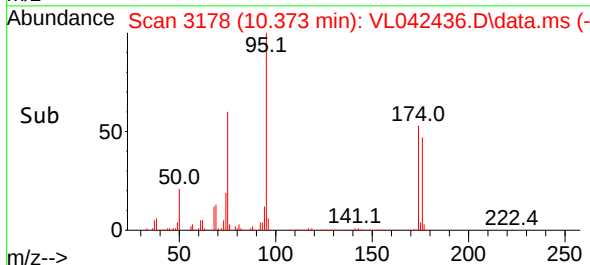
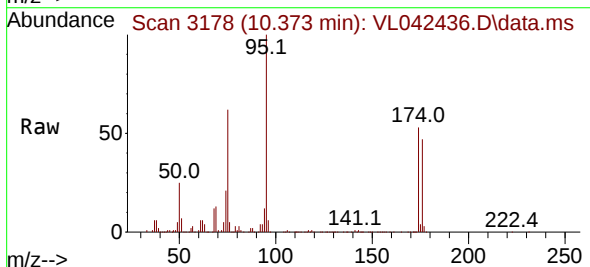
Manual Integrations
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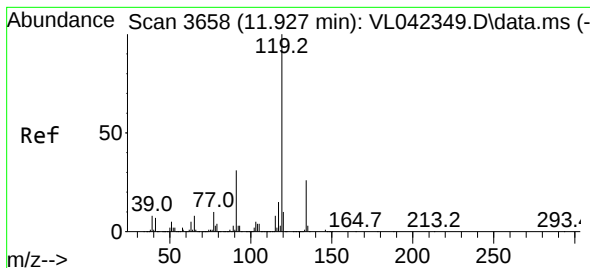
Reviewed By :Semsettin Yesilyurt 04/30/2025
 Supervised By :Mahesh Dadoda 04/30/2025



#68
 1-Bromo-4-Fluorobenzene
 Concen: 11.413 ppbv
 RT: 10.373 min Scan# 3178
 Delta R.T. -0.003 min
 Lab File: VL042436.D
 Acq: 29 Apr 2025 08:39

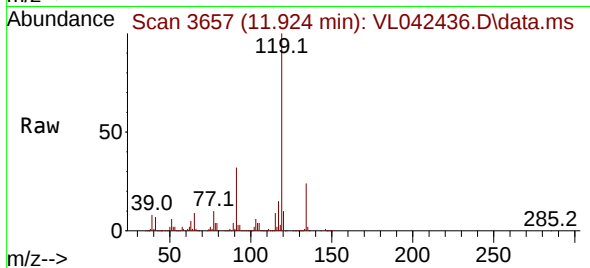
Tgt Ion: 95 Resp: 253216
 Ion Ratio Lower Upper
 95 100
 174 52.8 48.5 72.7
 175 4.0 3.7 5.5





#69
p-Isopropyltoluene
Concen: 10.442 ppbv
RT: 11.924 min Scan# 3657
Delta R.T. -0.003 min
Lab File: VL042436.D
Acq: 29 Apr 2025 08:39

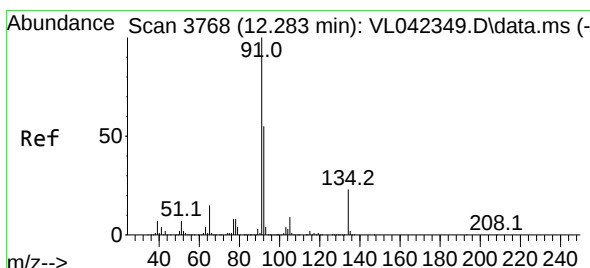
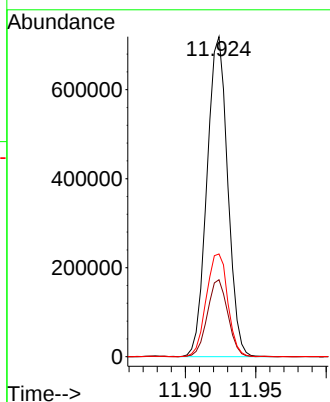
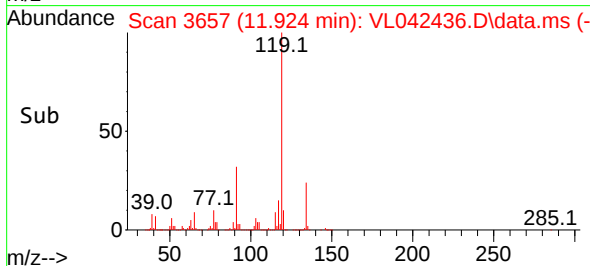
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



Tgt Ion:119 Resp: 73886
Ion Ratio Lower Upper
119 100
134 23.9 20.0 30.0
91 33.5 24.4 36.6

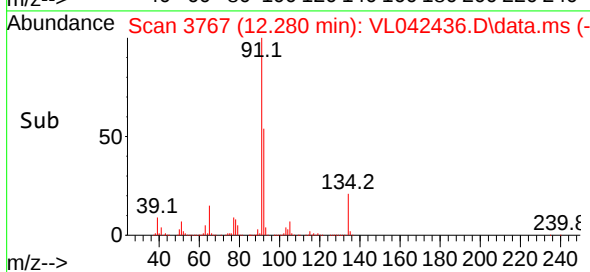
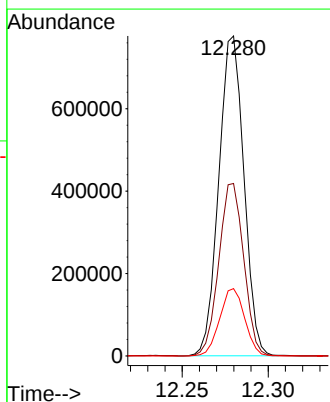
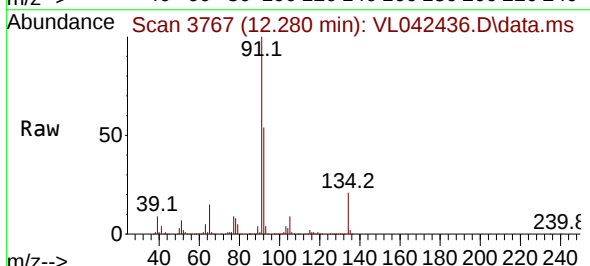
Manual Integrations
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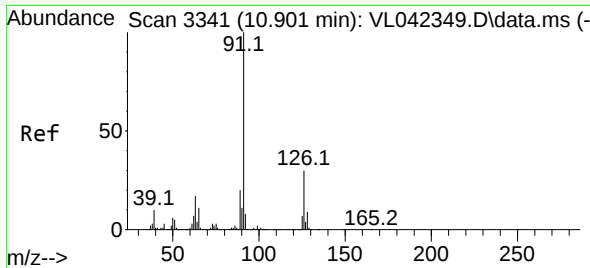
Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025



#70
n-Butylbenzene
Concen: 10.688 ppbv
RT: 12.280 min Scan# 3767
Delta R.T. -0.003 min
Lab File: VL042436.D
Acq: 29 Apr 2025 08:39

Tgt Ion: 91 Resp: 787717
Ion Ratio Lower Upper
91 100
92 53.9 44.2 66.4
134 21.0 18.2 27.4





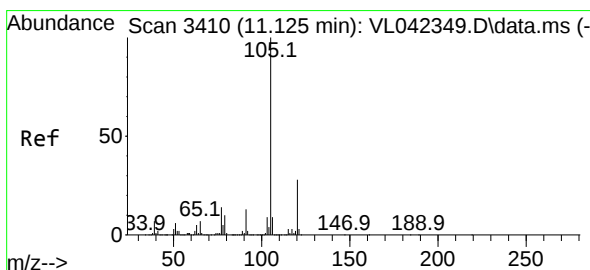
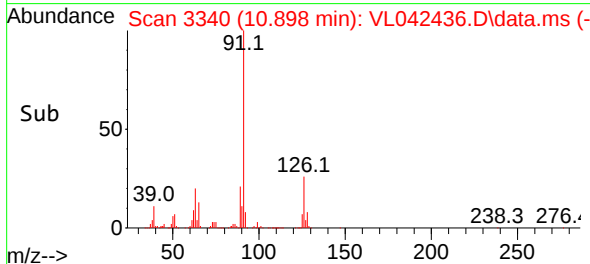
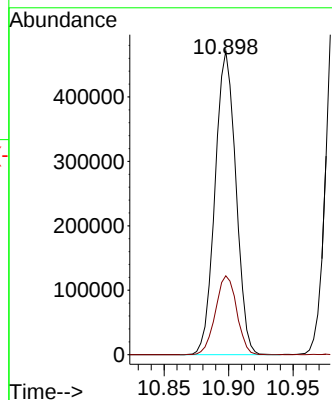
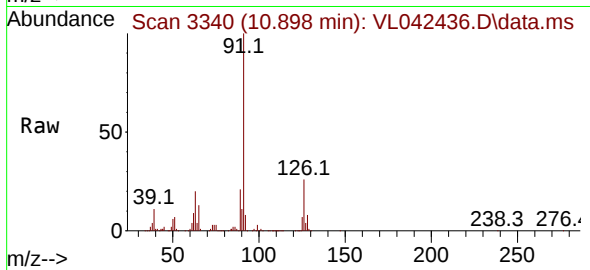
#71
2-Chlorotoluene
Concen: 10.571 ppbv
RT: 10.898 min Scan# 31
Delta R.T. -0.003 min
Lab File: VL042436.D
Acq: 29 Apr 2025 08:39

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 91 Resp: 52820
Ion Ratio Lower Upper
91 100
126 26.5 11.4 45.4

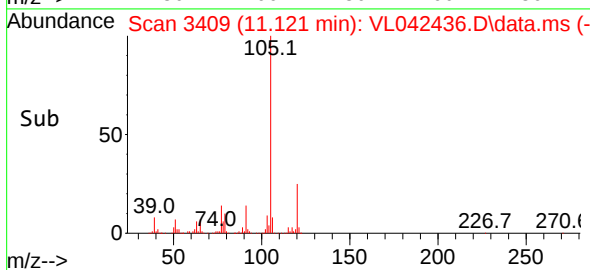
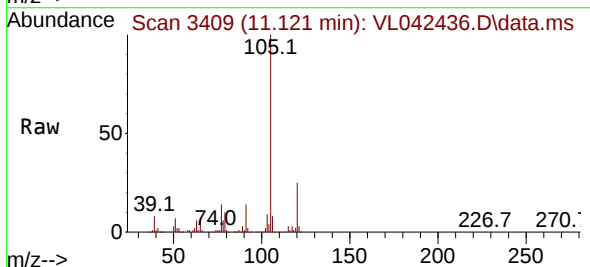
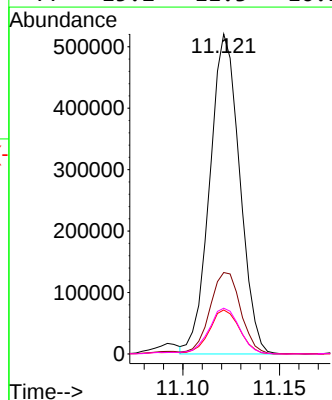
Manual Integrations
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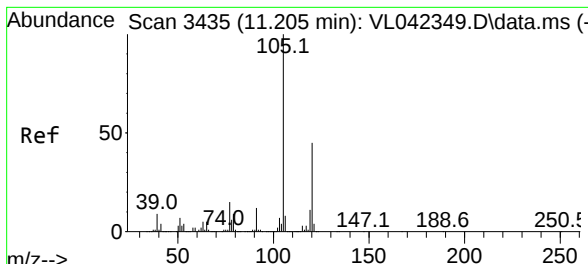
Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025



#72
4-Ethyltoluene
Concen: 10.542 ppbv
RT: 11.121 min Scan# 3409
Delta R.T. -0.003 min
Lab File: VL042436.D
Acq: 29 Apr 2025 08:39

Tgt Ion:105 Resp: 559285
Ion Ratio Lower Upper
105 100
120 27.0 23.2 34.8
91 14.5 10.4 15.6
77 15.2 11.3 16.9





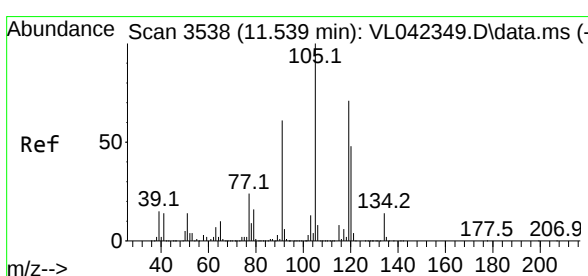
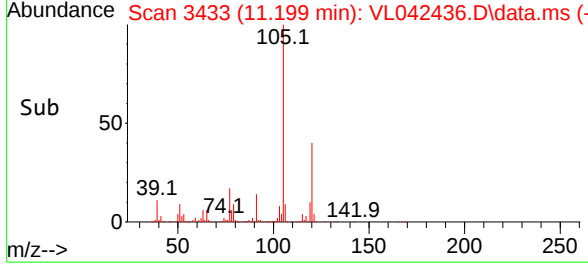
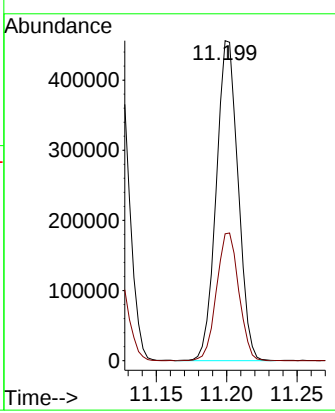
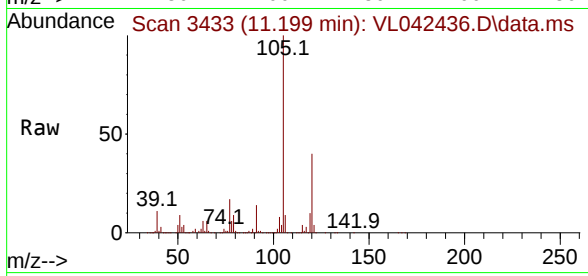
#73
 1,3,5-Trimethylbenzene
 Concen: 10.546 ppbv
 RT: 11.199 min Scan# 3435
 Delta R.T. -0.007 min
 Lab File: VL042436.D
 Acq: 29 Apr 2025 08:39

Instrument : MSVOA_L
 ClientSampleId : VSTDCCC010

Tgt Ion:105 Resp: 493949

Ion	Ratio	Lower	Upper
105	100		
120	39.6	35.6	53.4

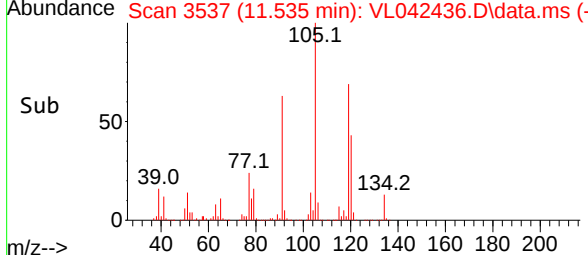
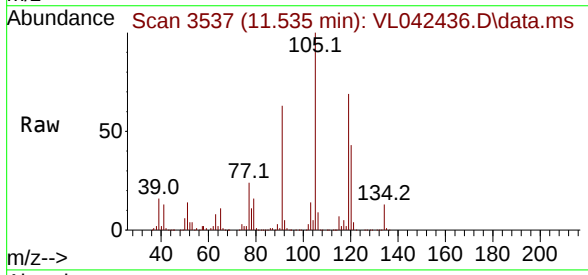
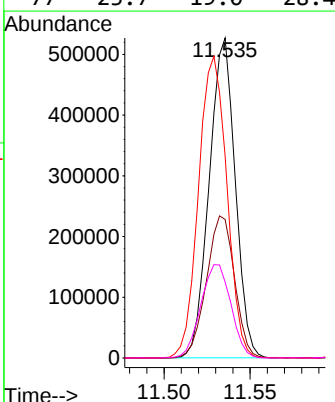
Manual Integrations
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 Reviewed By :Semsettin Yesilyurt 04/30/2025
 Supervised By :Mahesh Dadoda 04/30/2025

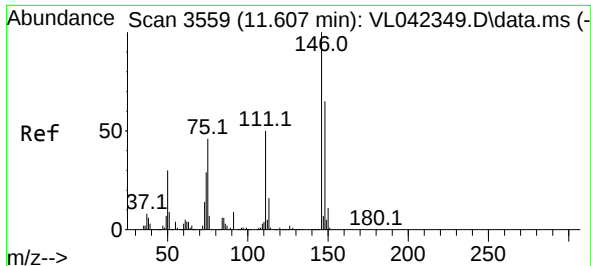


#74
 1,2,4-Trimethylbenzene
 Concen: 10.130 ppbv
 RT: 11.535 min Scan# 3537
 Delta R.T. -0.003 min
 Lab File: VL042436.D
 Acq: 29 Apr 2025 08:39

Tgt Ion:105 Resp: 554136

Ion	Ratio	Lower	Upper
105	100		
120	43.3	38.1	57.1
91	63.1	48.8	73.2
77	23.7	19.0	28.4





#75

1,3-Dichlorobenzene

Concen: 10.024 ppbv

RT: 11.603 min Scan# 3559

Delta R.T. -0.003 min

Lab File: VL042436.D

Acq: 29 Apr 2025 08:39

Instrument :

MSVOA_L

ClientSampleId :

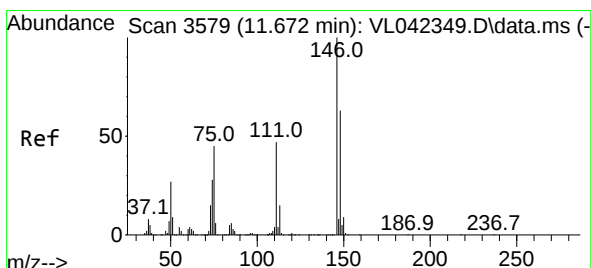
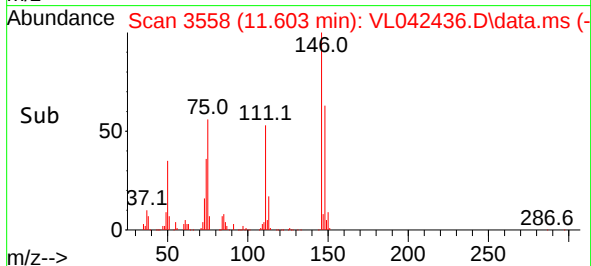
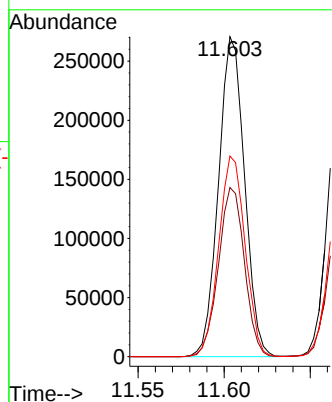
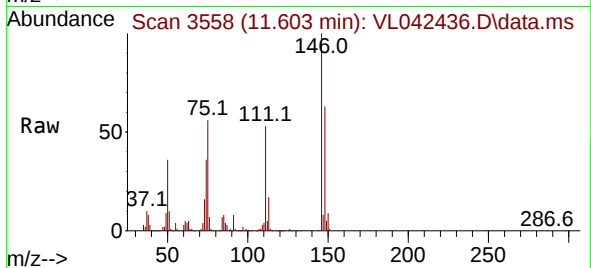
VSTDCCC010

Tgt Ion:	146	Resp:	28502
Ion Ratio	Lower	Upper	
146	100		
111	52.9	24.3	72.8
148	63.6	31.6	94.8

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025



#76

1,4-Dichlorobenzene

Concen: 10.210 ppbv

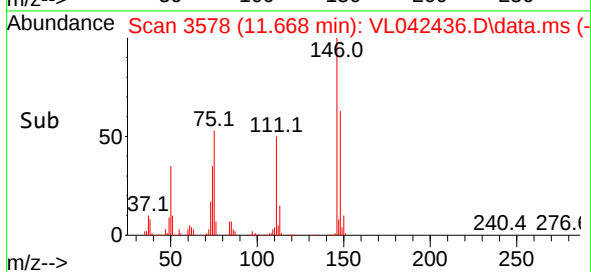
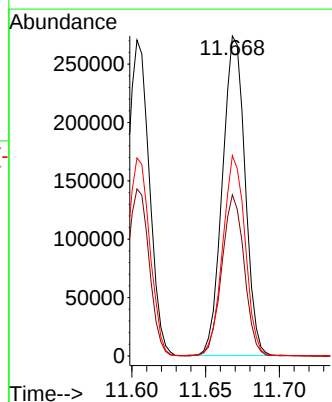
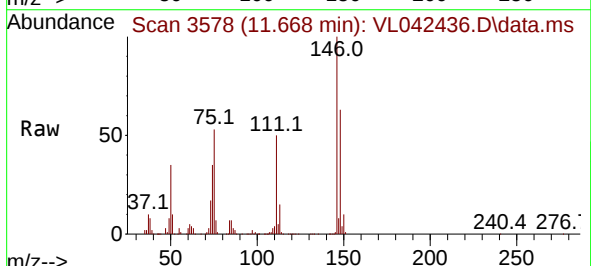
RT: 11.668 min Scan# 3578

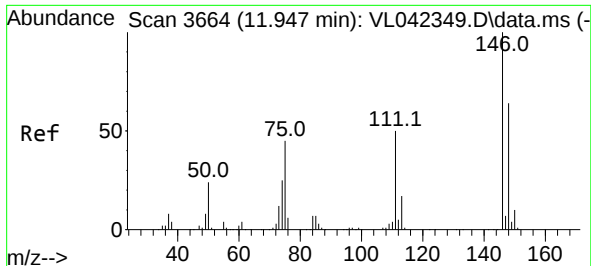
Delta R.T. -0.003 min

Lab File: VL042436.D

Acq: 29 Apr 2025 08:39

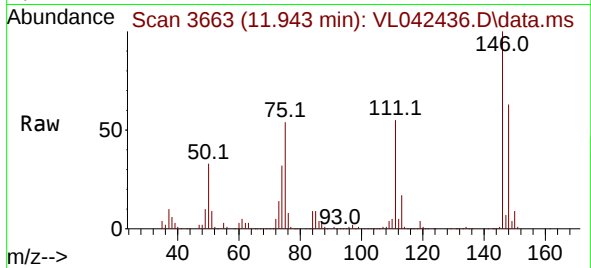
Tgt Ion:	146	Resp:	291795
Ion Ratio	Lower	Upper	
146	100		
111	50.1	24.2	72.6
148	62.4	32.1	96.5





#77
1,2-Dichlorobenzene
Concen: 10.261 ppbv
RT: 11.943 min Scan# 3663
Delta R.T. -0.003 min
Lab File: VL042436.D
Acq: 29 Apr 2025 08:39

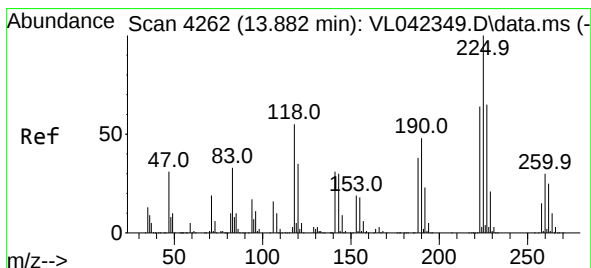
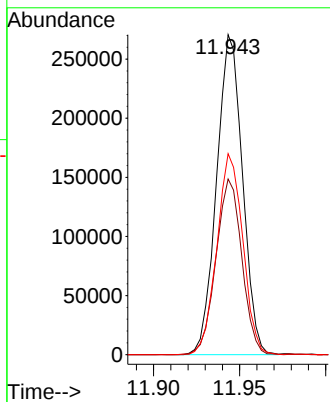
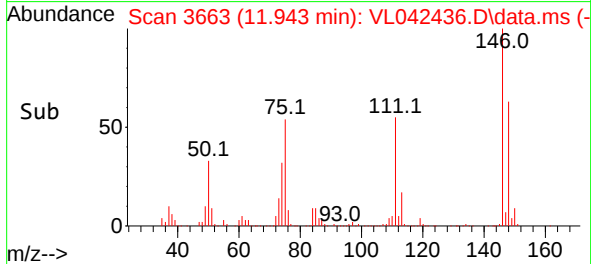
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



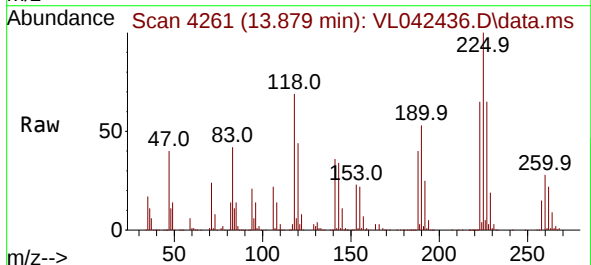
Tgt Ion:146 Resp: 283700
Ion Ratio Lower Upper
146 100
111 54.8 25.3 75.9
148 63.1 31.5 94.5

Manual Integrations
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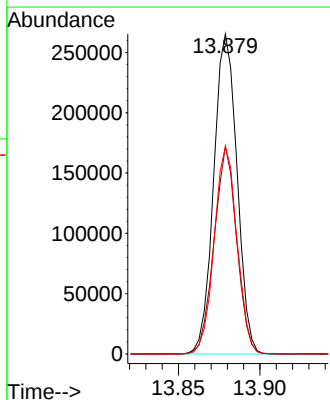
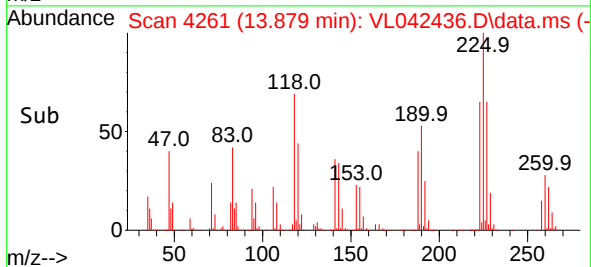
Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025

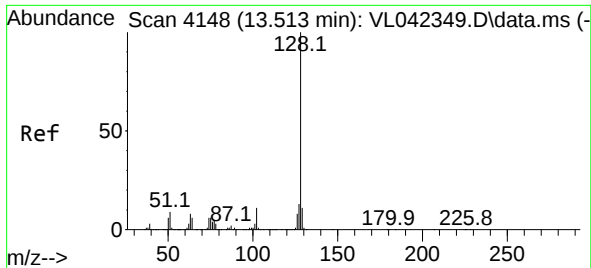


#78
Hexachloro-1,3-Butadiene
Concen: 9.437 ppbv
RT: 13.879 min Scan# 4261
Delta R.T. -0.003 min
Lab File: VL042436.D
Acq: 29 Apr 2025 08:39



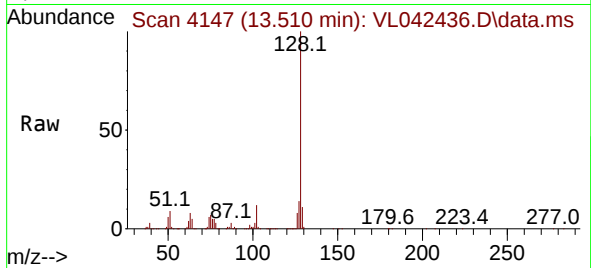
Tgt Ion:225 Resp: 263477
Ion Ratio Lower Upper
225 100
223 62.6 50.3 75.5
227 63.6 51.5 77.3





#79
Naphthalene
Concen: 9.408 ppbv
RT: 13.510 min Scan# 4148
Delta R.T. -0.003 min
Lab File: VL042436.D
Acq: 29 Apr 2025 08:39

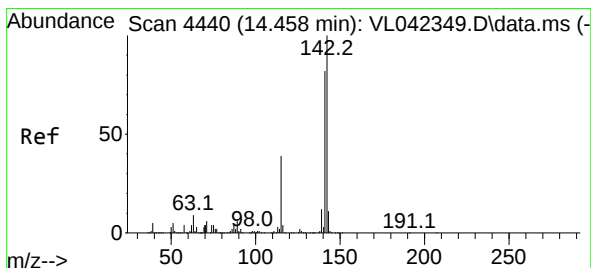
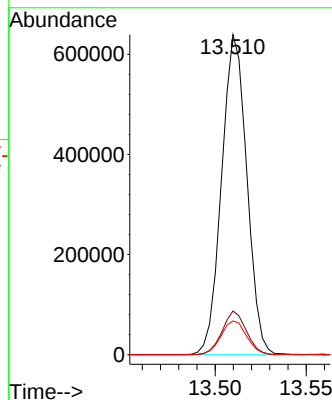
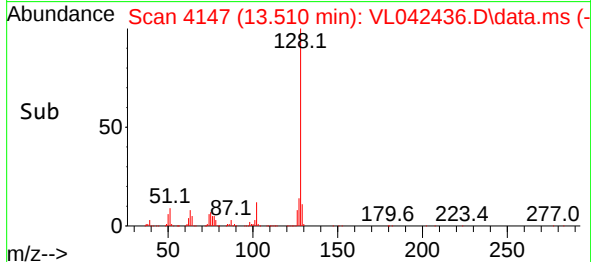
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



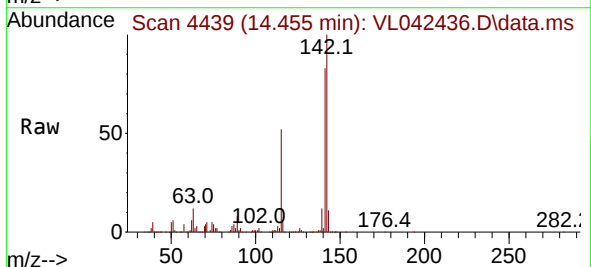
Tgt Ion:128 Resp: 615408
Ion Ratio Lower Upper
128 100
127 13.7 10.6 15.8
129 10.5 8.6 12.8

Manual Integrations
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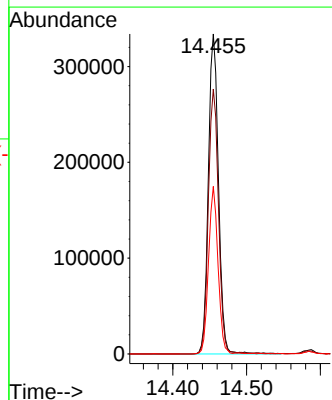
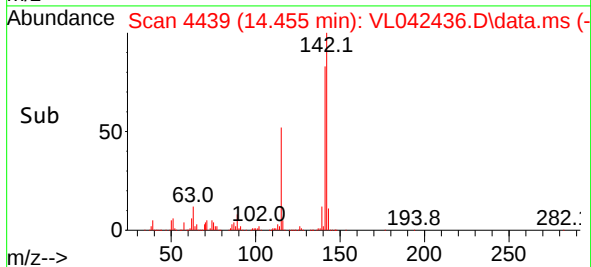
Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025

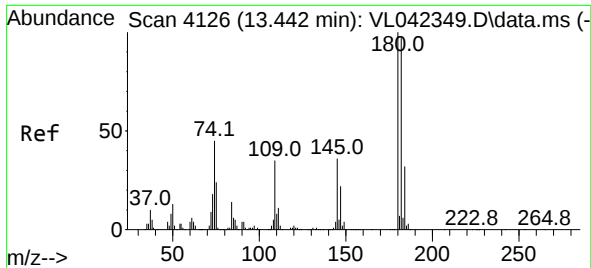


#80
Naphthalene,2-methyl-
Concen: 8.497 ppbv
RT: 14.455 min Scan# 4439
Delta R.T. -0.003 min
Lab File: VL042436.D
Acq: 29 Apr 2025 08:39



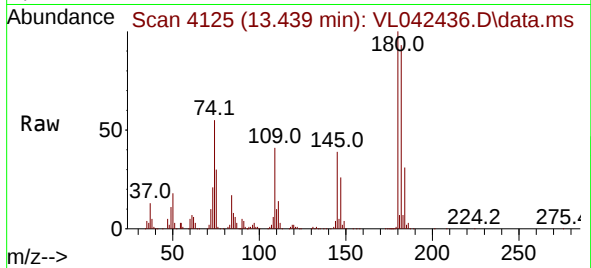
Tgt Ion:142 Resp: 316788
Ion Ratio Lower Upper
142 100
141 83.6 66.8 100.2
115 49.6 33.4 50.2





#81
 1,2,4-Trichlorobenzene
 Concen: 9.363 ppbv
 RT: 13.439 min Scan# 41
 Delta R.T. -0.003 min
 Lab File: VL042436.D
 Acq: 29 Apr 2025 08:39

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010



Tgt Ion:180 Resp: 263000
 Ion Ratio Lower Upper
 180 100
 182 93.8 76.8 115.2
 184 30.4 24.6 36.8

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 04/30/2025
 Supervised By :Mahesh Dadoda 04/30/2025

