

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL051225\
 Data File : VL042533.D
 Acq On : 12 May 2025 14:28
 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 05/14/2025
 Supervised By : Mahesh Dadoda 05/14/2025

Quant Time: May 12 23:51:20 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL051225AIR.M

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

QLast Update : Mon May 12 23:42:45 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.784	49	108558	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.952	114	309586	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.878	117	279828	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.374 95 246798 10.136 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 101.400%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.495	85	254959	14.463	ppbv	99
3) Chlorodifluoromethane	1.473	51	266796	14.850	ppbv	98
4) Chloromethane	1.531	50	101130	14.056	ppbv	99
5) Vinyl Chloride	1.576	62	98136	13.331	ppbv	97
6) Bromomethane	1.664	94	50426	14.424	ppbv	98
7) Chloroethane	1.703	64	38860	13.411	ppbv	99
8) Dichlorotetrafluoroethane	1.550	85	214140	14.118	ppbv	98
9) Propene	1.479	41	98085	25.137	ppbv #	1
10) Heptane	4.968	43	272741	18.334	ppbv	98
11) Trichlorofluoromethane	1.874	101	245994	14.507	ppbv	94
12) 1,1,2-Trichlorotrifluo...	2.136	101	193238	14.189	ppbv	99
13) Ethanol	1.719	45	11869	11.144	ppbv	99
14) Bromoethene	1.780	108	75429	15.192	ppbv	96
15) Acetone	1.832	43	213564	12.311	ppbv	99
16) 1,3-Butadiene	1.605	39	112792	14.460	ppbv	99
17) tert-Butyl alcohol	2.036	59	230498	14.380	ppbv	99
18) 1,1-Dichloroethene	2.029	96	86943	14.567	ppbv	98
19) Isopropyl Alcohol	1.884	45	132417	14.052	ppbv #	1
20) Methylene Chloride	2.059	84	74621	12.354	ppbv	98
21) Allyl Chloride	2.091	41	172596	15.028	ppbv	100
22) trans-1,2-Dichloroethene	2.337	96	97705	13.994	ppbv	98
23) Vinyl Acetate	2.460	43	285911	15.744	ppbv	97
24) 1,1-Dichloroethane	2.405	63	196043	14.512	ppbv	98
25) Ethyl Acetate	2.832	43	503336	16.525	ppbv	100
26) Hexane	2.819	57	221600	17.721	ppbv	96
27) Carbon Disulfide	2.146	76	244368	15.138	ppbv	99
28) Methyl tert-Butyl Ether	2.437	73	104072	14.980	ppbv	99
29) Chloroform	2.845	83	373949	14.419	ppbv	97
30) Cyclohexane	3.852	84	188093	18.321	ppbv	99
31) cis-1,2-Dichloroethene	2.716	61	231689	16.408	ppbv	96
32) 1,1,1-Trichloroethane	3.363	97	393153	15.027	ppbv	99
34) 2-Butanone	2.554	43	326787	16.014	ppbv	99
35) Carbon Tetrachloride	3.758	117	419052	15.056	ppbv	99
36) Benzene	3.651	78	458244	16.702	ppbv	96
37) 1,2-Dichloroethane	3.214	62	296168	15.133	ppbv	99
38) Trichloroethene	4.544	130	190538	16.255	ppbv	99
39) 1,2-Dichloropropane	4.308	63	162049	15.867	ppbv	96
40) 1,4-Dioxane	4.580	88	69978m	17.187	ppbv	
41) Tetrahydrofuran	3.049	42	167734	19.057	ppbv	98
42) Bromodichloromethane	4.483	83	410197	15.734	ppbv	95
43) Methyl Methacrylate	4.874	69	175429	19.145	ppbv	100
44) 2,2,4-Trimethylpentane	4.632	57	753360	17.485	ppbv	99
45) t-1,3-Dichloropropene	6.409	75	225163	19.247	ppbv	93

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Manual Integrations
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Reviewed By :Semsettin Yesilyurt 05/14/2025
 Supervised By :Mahesh Dadoda 05/14/2025

Quant Time: May 12 23:51:20 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL051225AIR.M

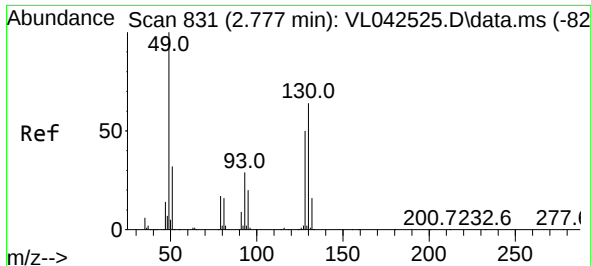
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Mon May 12 23:42:45 2025

Response via : Initial Calibration

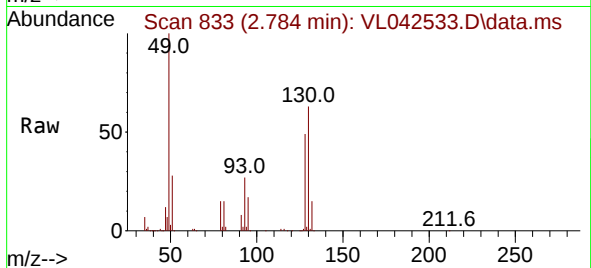
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.593	75	267742	18.975	ppbv	96
47) 1,1,2-Trichloroethane	6.574	97	183088	15.225	ppbv	96
48) Dibromochloromethane	7.383	129	334374	16.641	ppbv	98
49) Bromoform	9.480	173	279015	16.922	ppbv	99
50) 4-Methyl-2-Pentanone	5.745	43	445638	18.621	ppbv	100
51) 2-Hexanone	7.431	43	367397	20.654	ppbv #	97
52) Tetrachloroethene	8.221	164	165300	15.639	ppbv	93
53) Toluene	6.927	91	522877	19.420	ppbv	100
54) 1,2-Dibromoethane	7.648	107	290801	16.547	ppbv	99
56) 1,1,1,2-Tetrachloroethane	8.920	131	253110	14.589	ppbv	98
57) Chlorobenzene	8.917	112	423059	15.057	ppbv	99
58) Ethyl Benzene	9.351	91	757160	19.852	ppbv	95
59) m/p-Xylene	9.548	91	1251252m	36.878	ppbv	
60) o-Xylene	9.962	91	618234	18.698	ppbv	99
61) Styrene	9.869	104	269609	22.137	ppbv	97
62) Isopropylbenzene	10.535	105	902388	18.112	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.959	83	380582	14.351	ppbv	99
64) n-propylbenzene	10.985	120	230244	18.238	ppbv	99
65) tert-Butylbenzene	11.529	119	827491	18.087	ppbv	100
66) Benzyl Chloride	11.613	91	106741	17.633	ppbv #	98
67) sec-Butylbenzene	11.765	105	1120950	17.089	ppbv	99
69) p-Isopropyltoluene	11.924	119	983988	18.247	ppbv	99
70) n-Butylbenzene	12.280	91	974868	18.295	ppbv	100
71) 2-Chlorotoluene	10.898	91	703053	18.636	ppbv	99
72) 4-Ethyltoluene	11.124	105	777799	18.954	ppbv	99
73) 1,3,5-Trimethylbenzene	11.202	105	654009	18.296	ppbv	97
74) 1,2,4-Trimethylbenzene	11.535	105	725454	16.496	ppbv	98
75) 1,3-Dichlorobenzene	11.607	146	432126	15.690	ppbv	99
76) 1,4-Dichlorobenzene	11.668	146	429425	16.387	ppbv	100
77) 1,2-Dichlorobenzene	11.947	146	412453	14.497	ppbv	99
78) Hexachloro-1,3-Butadiene	13.879	225	339749	13.928	ppbv	100
79) Naphthalene	13.510	128	708419	23.333	ppbv	98
80) Naphthalene,2-methyl-	14.455	142	506723	28.683	ppbv	99
81) 1,2,4-Trichlorobenzene	13.439	180	368964	19.904	ppbv	100

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



#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.784 min Scan# 811
Delta R.T. 0.007 min
Lab File: VL042533.D
Acq: 12 May 2025 14:28

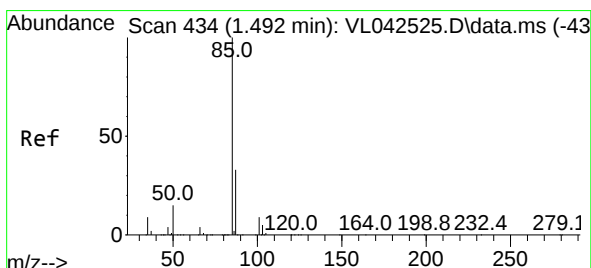
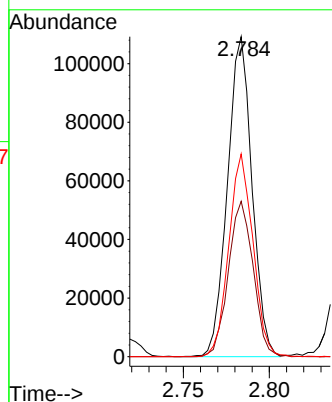
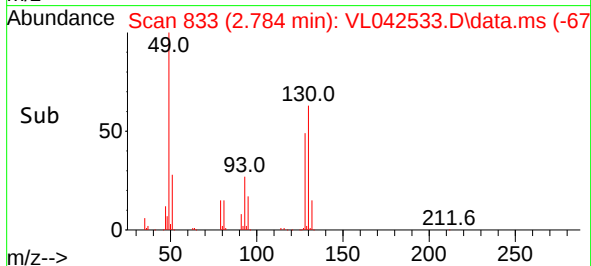
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



Tgt Ion: 49 Resp: 108558
Ion Ratio Lower Upper
49 100
128 49.0 24.9 74.6
130 62.4 32.5 97.5

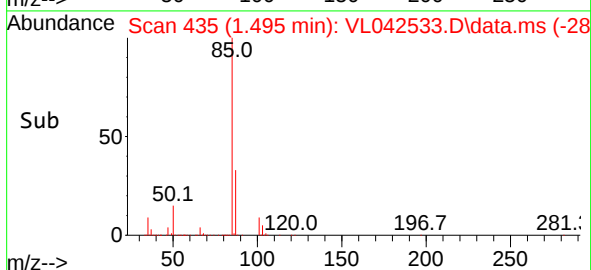
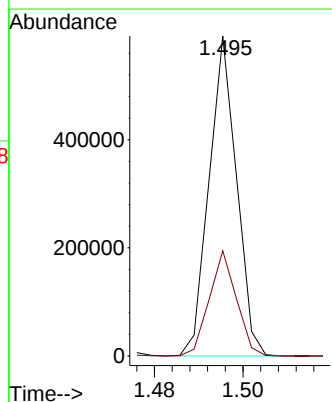
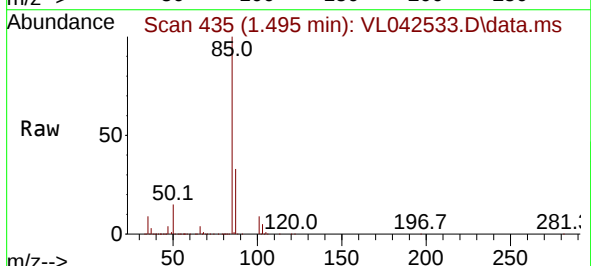
Manual Integrations
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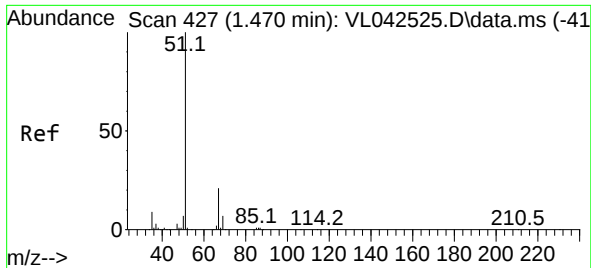
Reviewed By :Semsettin Yesilyurt 05/14/2025
Supervised By :Mahesh Dadoda 05/14/2025



#2
Dichlorodifluoromethane
Concen: 14.463 ppbv
RT: 1.495 min Scan# 435
Delta R.T. 0.003 min
Lab File: VL042533.D
Acq: 12 May 2025 14:28

Tgt Ion: 85 Resp: 254959
Ion Ratio Lower Upper
85 100
87 32.9 26.8 40.2





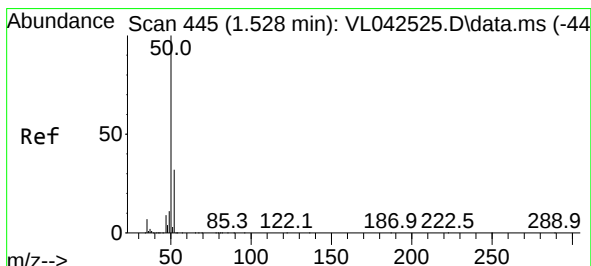
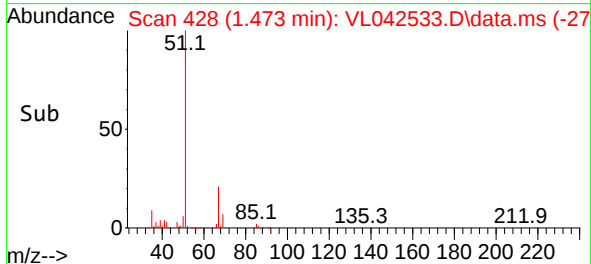
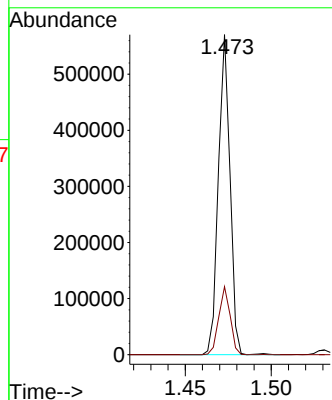
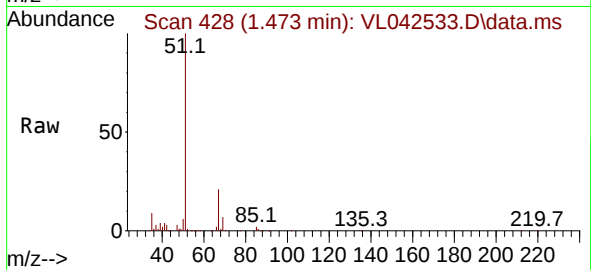
#3
Chlorodifluoromethane
Concen: 14.850 ppbv
RT: 1.473 min Scan# 41
Delta R.T. 0.003 min
Lab File: VL042533.D
Acq: 12 May 2025 14:28

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tgt Ion: 51 Resp: 266790
Ion Ratio Lower Upper
51 100
67 21.0 17.4 26.0

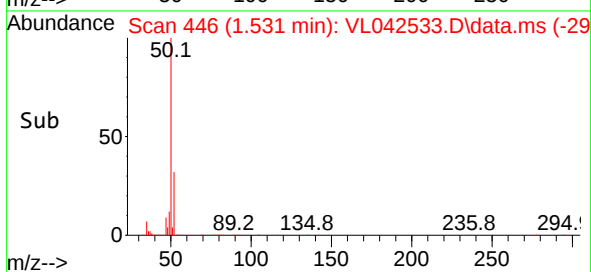
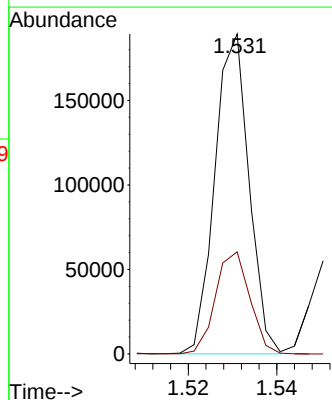
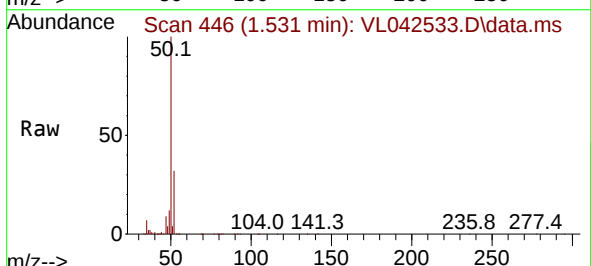
Manual Integrations
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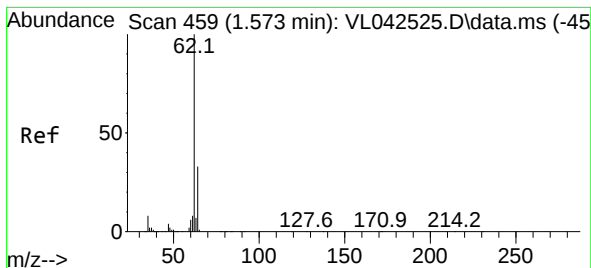
Reviewed By :Semsettin Yesilyurt 05/14/2025
Supervised By :Mahesh Dadoda 05/14/2025



#4
Chloromethane
Concen: 14.056 ppbv
RT: 1.531 min Scan# 446
Delta R.T. 0.003 min
Lab File: VL042533.D
Acq: 12 May 2025 14:28

Tgt Ion: 50 Resp: 101130
Ion Ratio Lower Upper
50 100
52 31.9 25.9 38.9





#5

Vinyl Chloride

Concen: 13.331 ppbv

RT: 1.576 min Scan# 4

Delta R.T. 0.003 min

Lab File: VL042533.D

Acq: 12 May 2025 14:28

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tgt Ion: 62 Resp: 98130

Ion Ratio Lower Upper

62 100

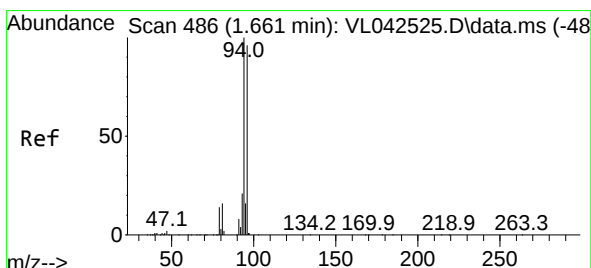
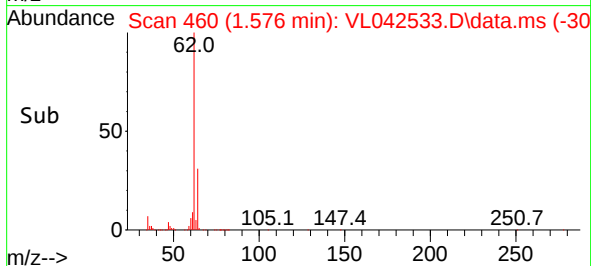
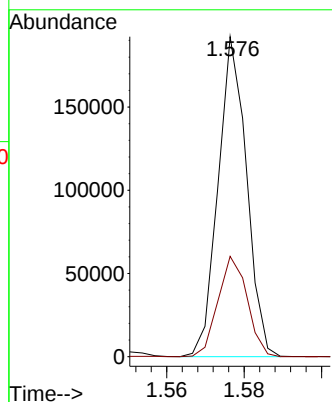
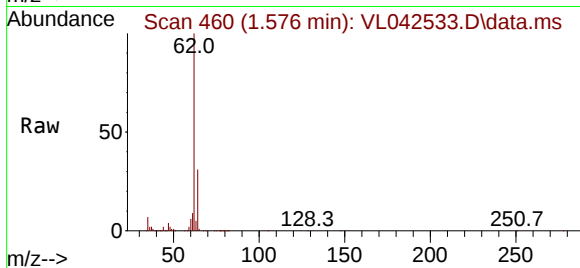
64 31.4 26.5 39.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/14/2025

Supervised By :Mahesh Dadoda 05/14/2025



#6

Bromomethane

Concen: 14.424 ppbv

RT: 1.664 min Scan# 487

Delta R.T. 0.003 min

Lab File: VL042533.D

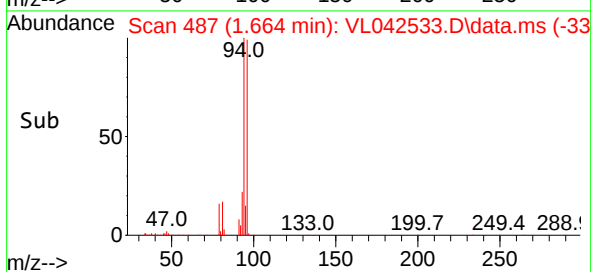
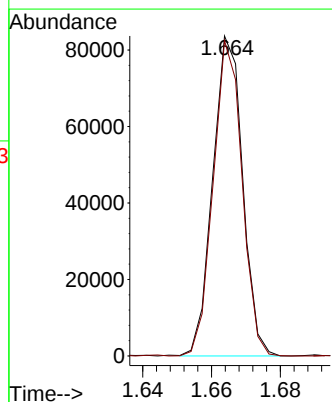
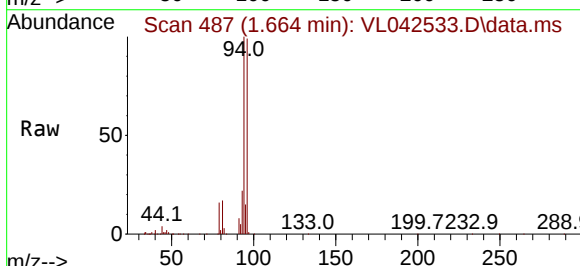
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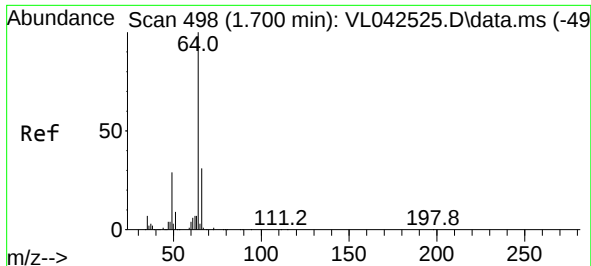
Tgt Ion: 94 Resp: 50426

Ion Ratio Lower Upper

94 100

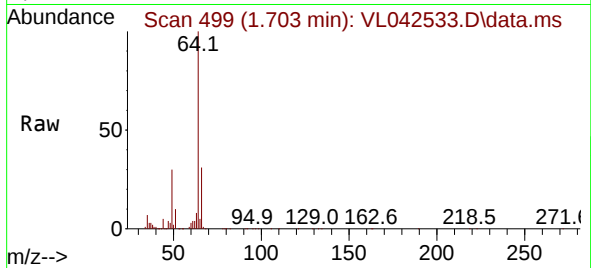
96 98.5 76.9 115.3





#7
Chloroethane
Concen: 13.411 ppbv
RT: 1.703 min Scan# 499
Delta R.T. 0.003 min
Lab File: VL042533.D
Acq: 12 May 2025 14:28

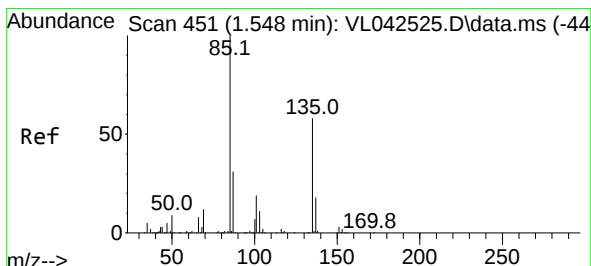
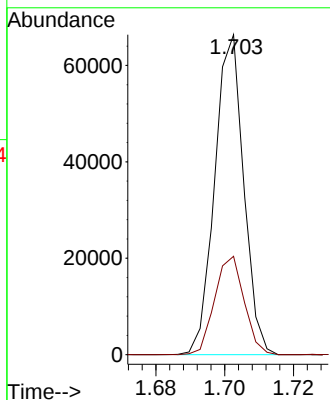
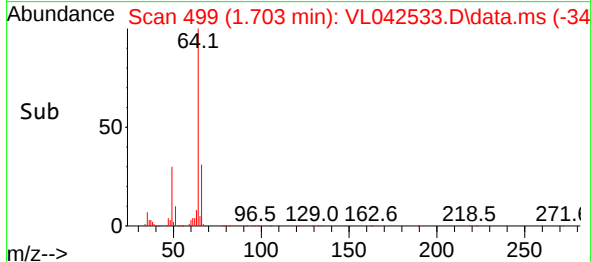
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



Tgt Ion: 64 Resp: 38860
Ion Ratio Lower Upper
64 100
66 30.7 25.1 37.7

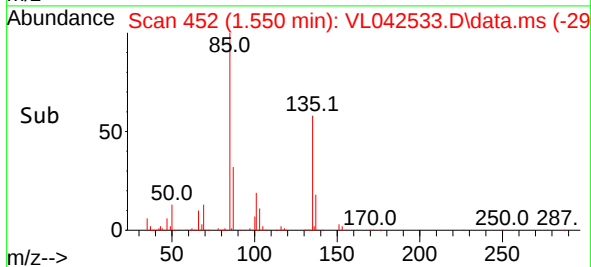
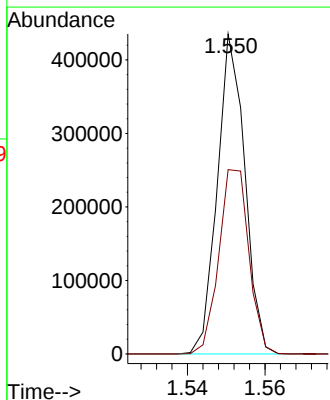
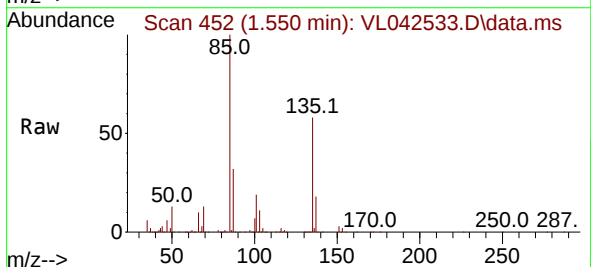
Manual Integrations
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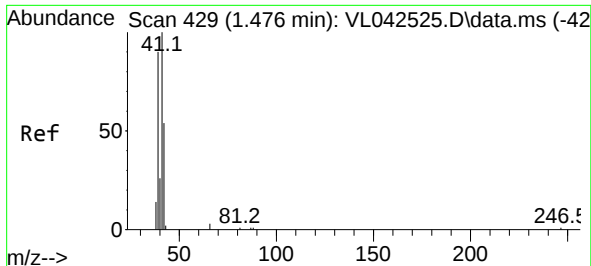
Reviewed By :Semsettin Yesilyurt 05/14/2025
Supervised By :Mahesh Dadoda 05/14/2025



#8
Dichlorotetrafluoroethane
Concen: 14.118 ppbv
RT: 1.550 min Scan# 452
Delta R.T. 0.003 min
Lab File: VL042533.D
Acq: 12 May 2025 14:28

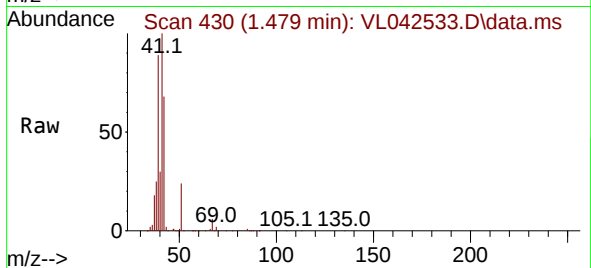
Tgt Ion: 85 Resp: 214140
Ion Ratio Lower Upper
85 100
135 63.4 51.8 77.8





#9
Propene
Concen: 25.137 ppbv
RT: 1.479 min Scan# 41
Delta R.T. 0.003 min
Lab File: VL042533.D
Acq: 12 May 2025 14:28

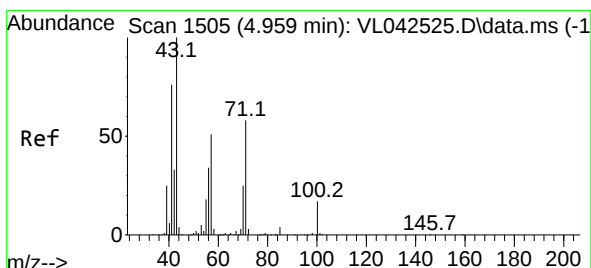
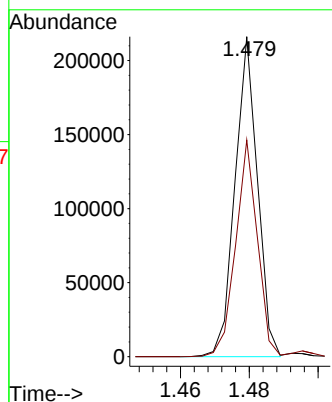
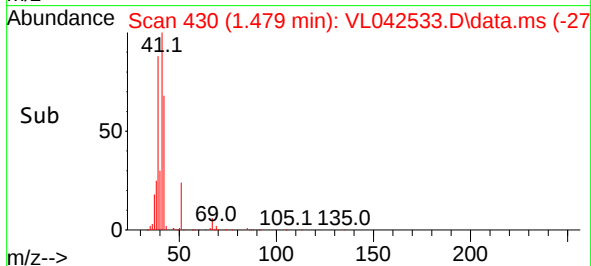
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



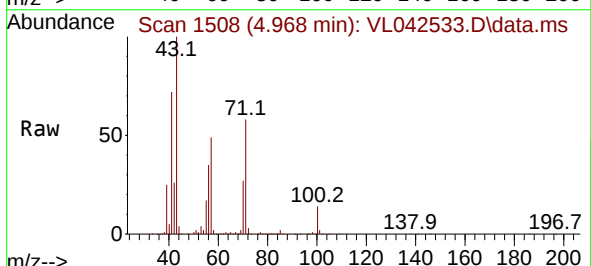
Tgt Ion: 41 Resp: 98085
Ion Ratio Lower Upper
41 100
42 67.7 4.1 6.1

Manual Integrations
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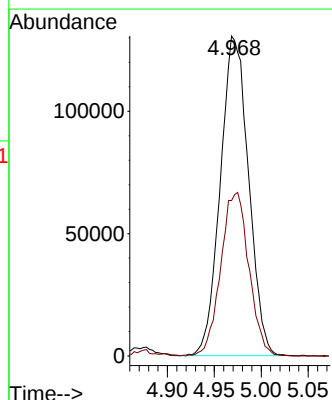
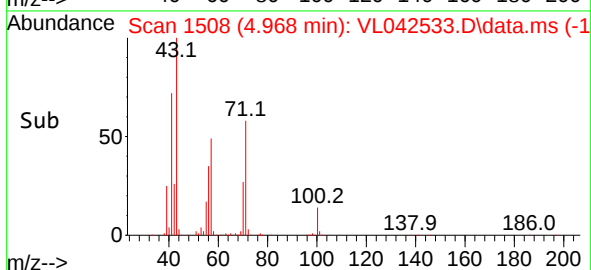
Reviewed By :Semsettin Yesilyurt 05/14/2025
Supervised By :Mahesh Dadoda 05/14/2025

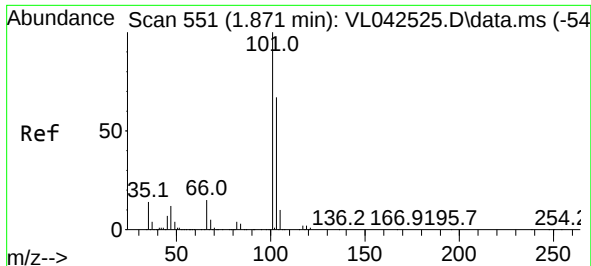


#10
Heptane
Concen: 18.334 ppbv
RT: 4.968 min Scan# 1508
Delta R.T. 0.009 min
Lab File: VL042533.D
Acq: 12 May 2025 14:28



Tgt Ion: 43 Resp: 272741
Ion Ratio Lower Upper
43 100
57 51.1 42.1 63.1





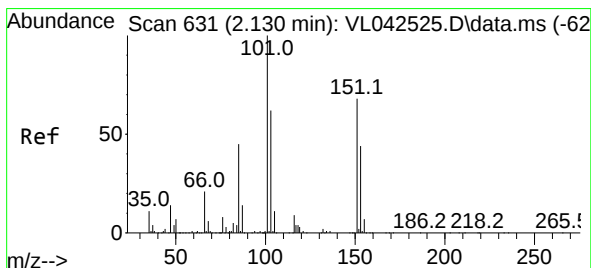
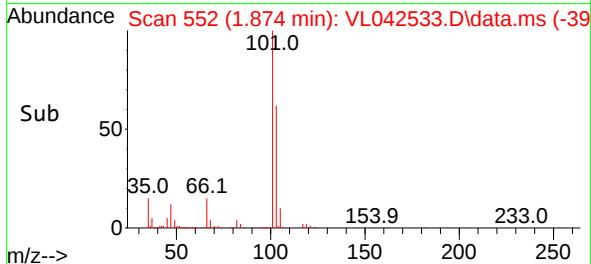
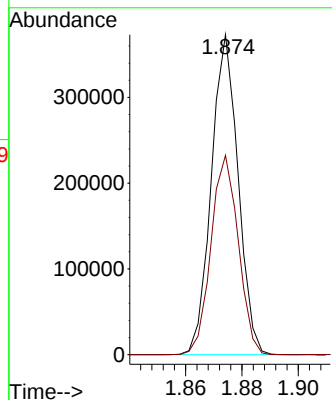
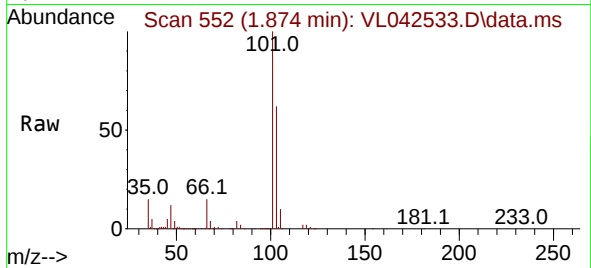
#11
 Trichlorofluoromethane
 Concen: 14.507 ppbv
 RT: 1.874 min Scan# 511
 Delta R.T. 0.003 min
 Lab File: VL042533.D
 Acq: 12 May 2025 14:28

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tgt Ion:101 Resp: 245994
 Ion Ratio Lower Upper
 101 100
 103 62.3 53.8 80.6

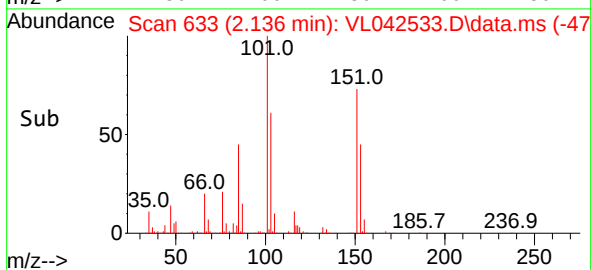
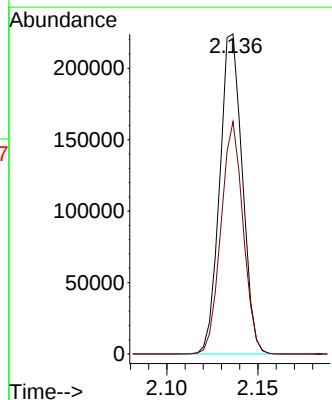
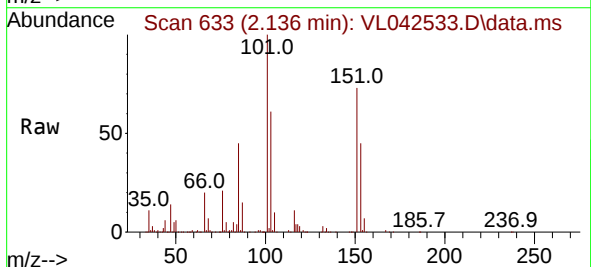
Manual Integrations
 APPROVED

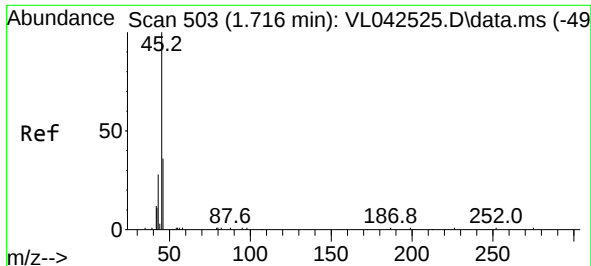
Reviewed By :Semsettin Yesilyurt 05/14/2025
 Supervised By :Mahesh Dadoda 05/14/2025



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 14.189 ppbv
 RT: 2.136 min Scan# 633
 Delta R.T. 0.006 min
 Lab File: VL042533.D
 Acq: 12 May 2025 14:28

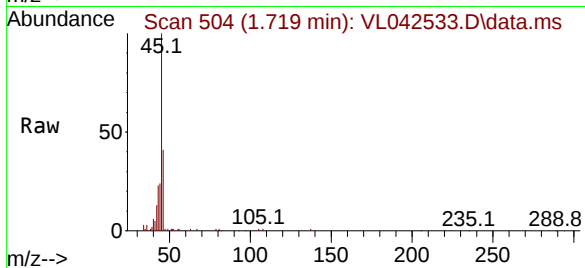
Tgt Ion:101 Resp: 193238
 Ion Ratio Lower Upper
 101 100
 151 71.1 57.8 86.8





#13
Ethanol
Concen: 11.144 ppbv
RT: 1.719 min Scan# 503
Delta R.T. 0.003 min
Lab File: VL042533.D
Acq: 12 May 2025 14:28

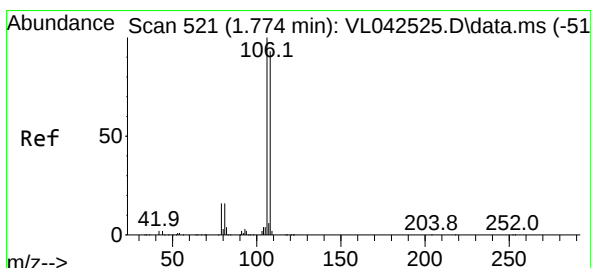
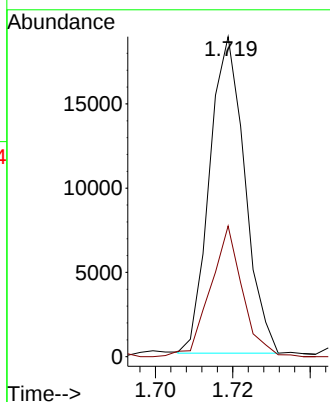
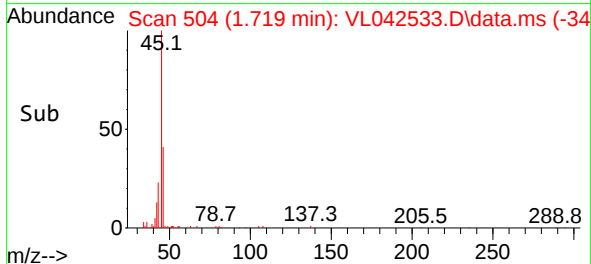
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



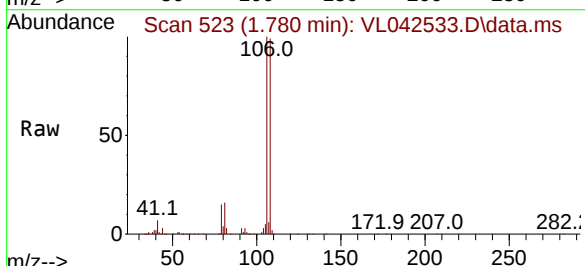
Tgt Ion: 45 Resp: 11869
Ion Ratio Lower Upper
45 100
46 37.6 14.8 59.4

Manual Integrations
APPROVED

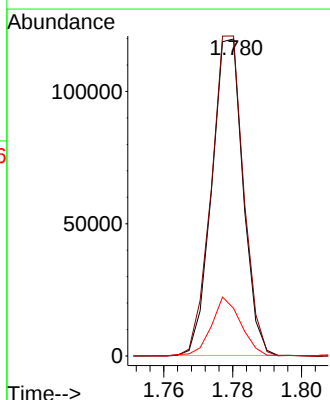
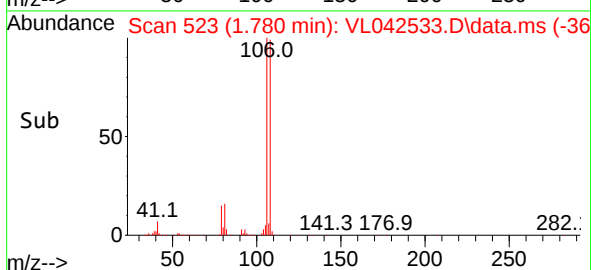
Reviewed By :Semsettin Yesilyurt 05/14/2025
Supervised By :Mahesh Dadoda 05/14/2025

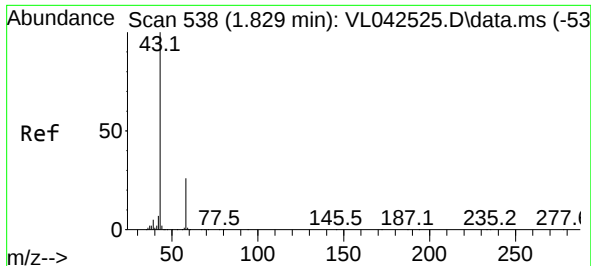


#14
Bromoethene
Concen: 15.192 ppbv
RT: 1.780 min Scan# 523
Delta R.T. 0.006 min
Lab File: VL042533.D
Acq: 12 May 2025 14:28



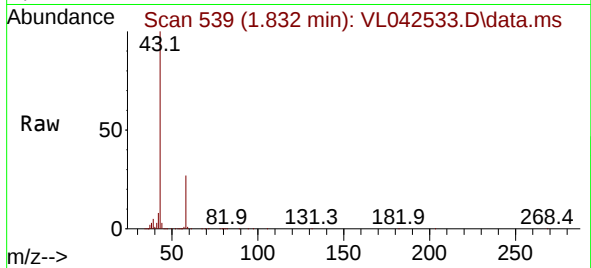
Tgt Ion:108 Resp: 75429
Ion Ratio Lower Upper
108 100
106 104.0 87.4 131.2
79 18.7 15.1 22.7





#15
Acetone
Concen: 12.311 ppbv
RT: 1.832 min Scan# 51
Delta R.T. 0.003 min
Lab File: VL042533.D
Acq: 12 May 2025 14:28

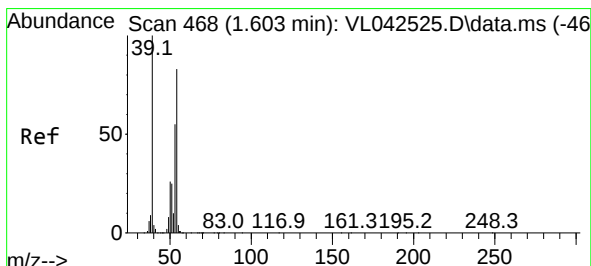
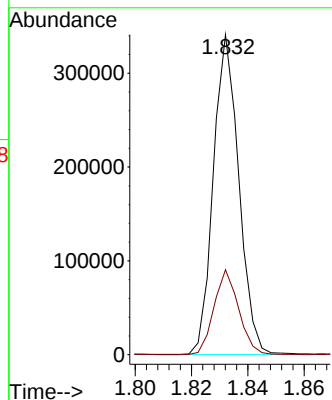
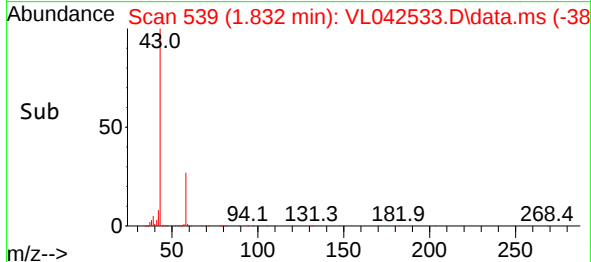
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



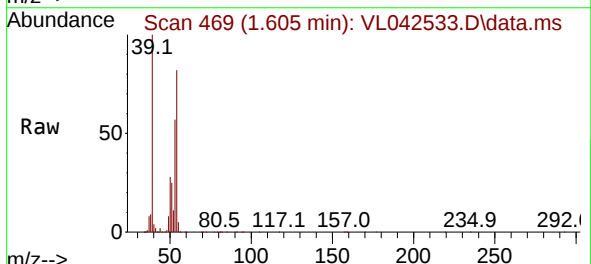
Tgt Ion: 43 Resp: 213564
Ion Ratio Lower Upper
43 100
58 26.0 21.3 31.9

Manual Integrations
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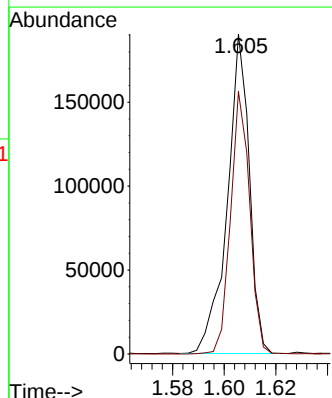
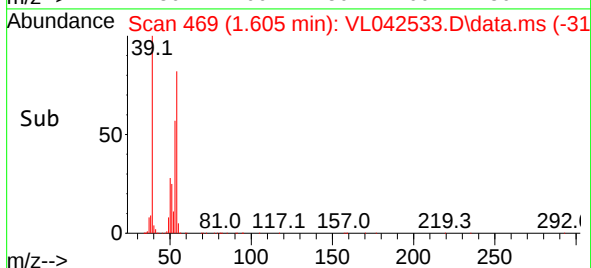
Reviewed By :Semsettin Yesilyurt 05/14/2025
Supervised By :Mahesh Dadoda 05/14/2025

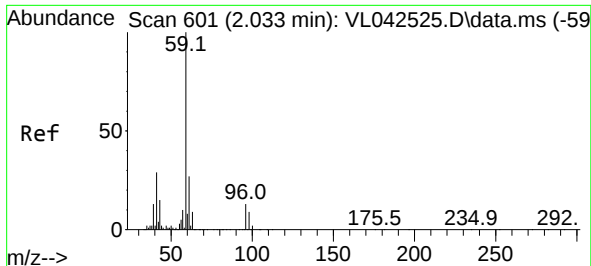


#16
1,3-Butadiene
Concen: 14.460 ppbv
RT: 1.605 min Scan# 469
Delta R.T. 0.003 min
Lab File: VL042533.D
Acq: 12 May 2025 14:28



Tgt Ion: 39 Resp: 112792
Ion Ratio Lower Upper
39 100
54 71.3 57.8 86.6





#17

tert-Butyl alcohol

Concen: 14.380 ppbv

RT: 2.036 min Scan# 601

Delta R.T. 0.003 min

Lab File: VL042533.D

Acq: 12 May 2025 14:28

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tgt Ion: 59 Resp: 230498

Ion Ratio Lower Upper

59 100

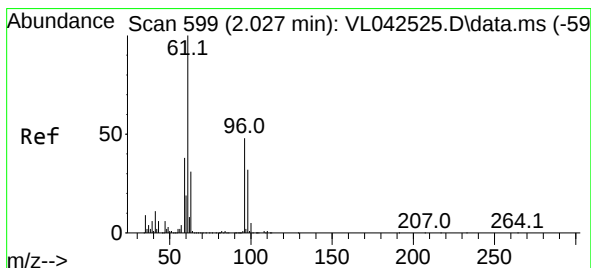
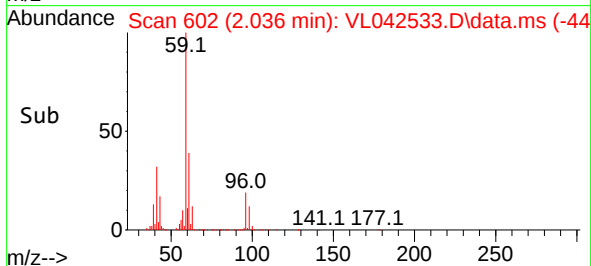
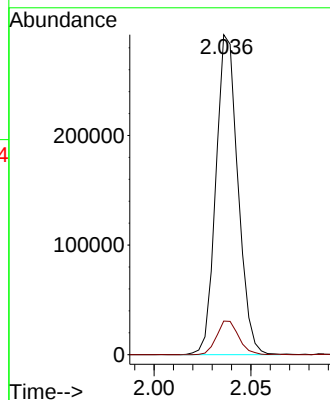
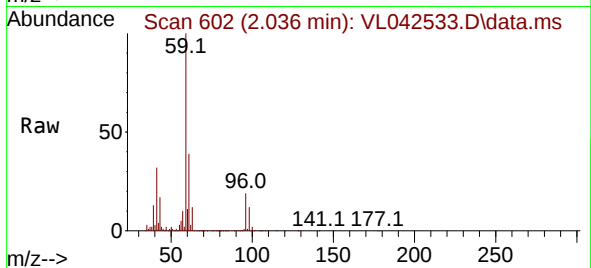
57 10.7 8.2 12.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/14/2025

Supervised By :Mahesh Dadoda 05/14/2025



#18

1,1-Dichloroethene

Concen: 14.567 ppbv

RT: 2.029 min Scan# 600

Delta R.T. 0.003 min

Lab File: VL042533.D

Acq: 12 May 2025 14:28

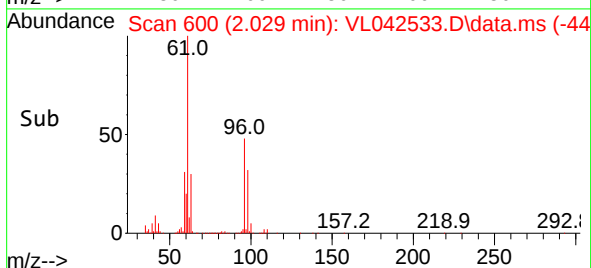
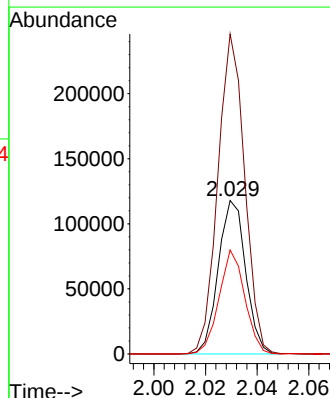
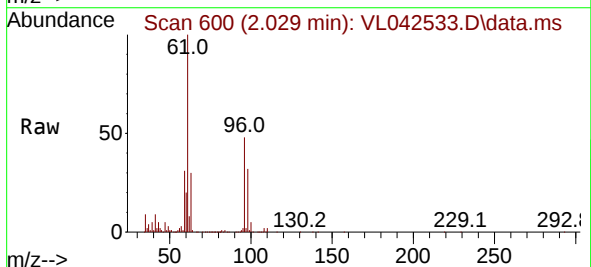
Tgt Ion: 96 Resp: 86943

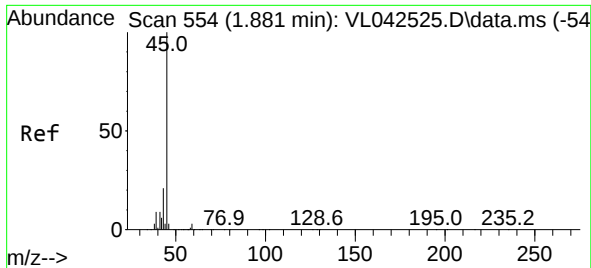
Ion Ratio Lower Upper

96 100

61 208.5 165.0 247.4

98 67.7 52.6 79.0





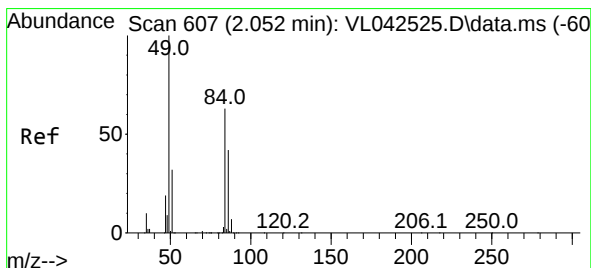
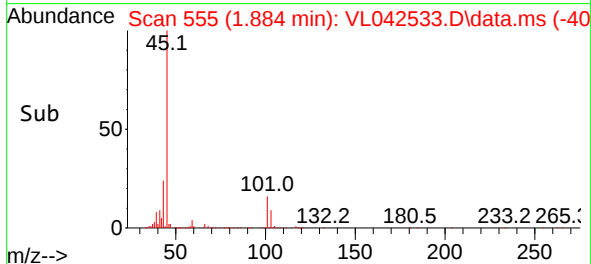
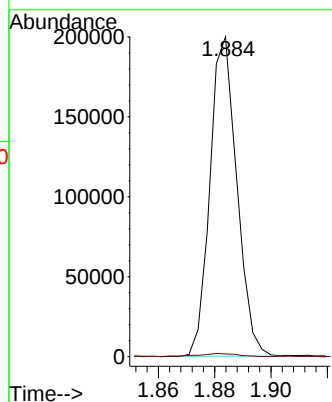
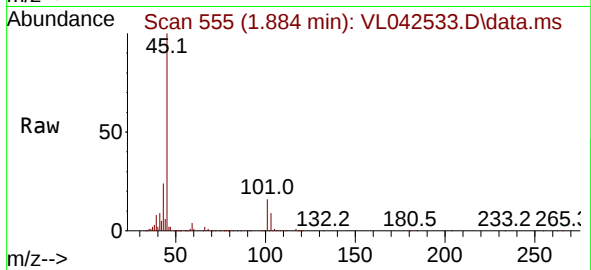
#19
Isopropyl Alcohol
Concen: 14.052 ppbv
RT: 1.884 min Scan# 511
Delta R.T. 0.003 min
Lab File: VL042533.D
Acq: 12 May 2025 14:28

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tgt Ion: 45 Resp: 132417
Ion Ratio Lower Upper
45 100
58 41.9 1.5 2.3

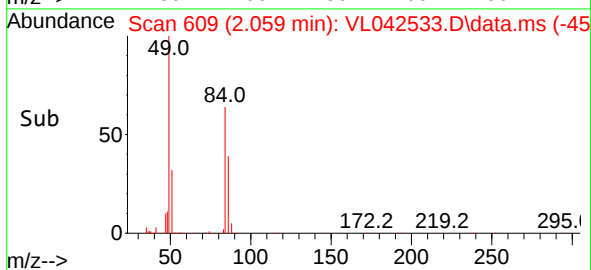
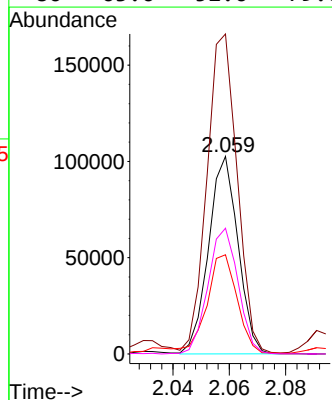
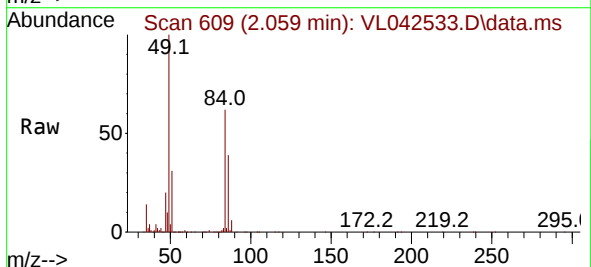
Manual Integrations
APPROVED

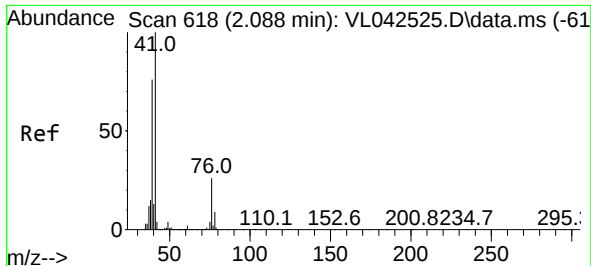
Reviewed By :Semsettin Yesilyurt 05/14/2025
Supervised By :Mahesh Dadoda 05/14/2025



#20
Methylene Chloride
Concen: 12.354 ppbv
RT: 2.059 min Scan# 609
Delta R.T. 0.006 min
Lab File: VL042533.D
Acq: 12 May 2025 14:28

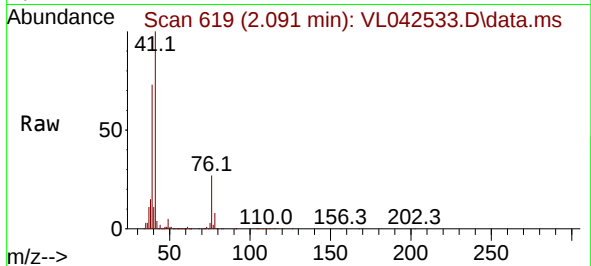
Tgt Ion: 84 Resp: 74621
Ion Ratio Lower Upper
84 100
49 161.6 128.2 192.4
51 49.9 41.7 62.5
86 63.6 52.6 79.0





#21
 Allyl Chloride
 Concen: 15.028 ppbv
 RT: 2.091 min Scan# 618
 Delta R.T. 0.003 min
 Lab File: VL042533.D
 Acq: 12 May 2025 14:28

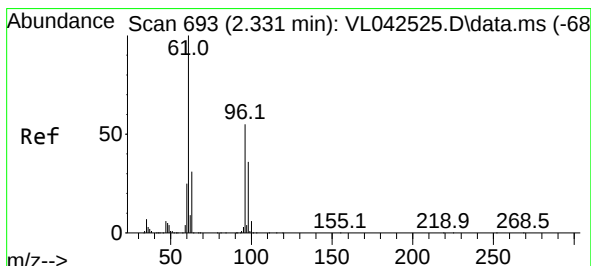
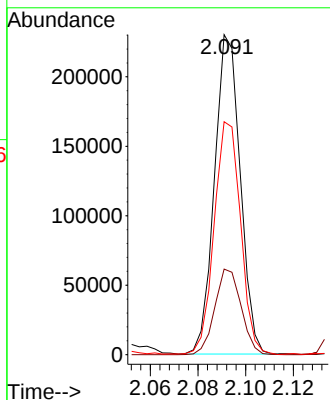
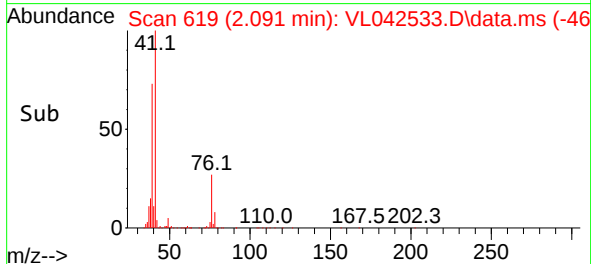
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015



Tgt Ion: 41 Resp: 172590
 Ion Ratio Lower Upper
 41 100
 76 27.4 22.0 33.0
 39 74.2 59.5 89.3

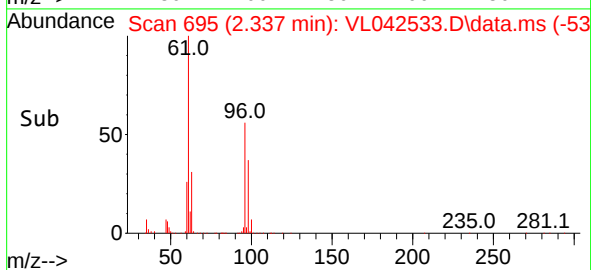
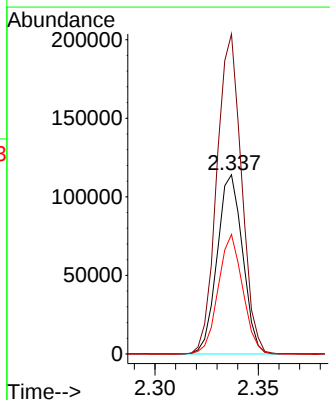
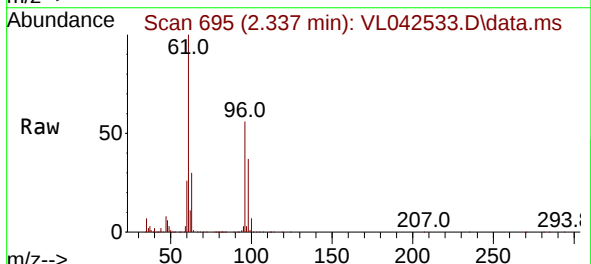
Manual Integrations
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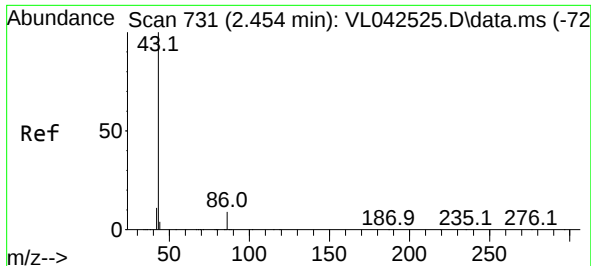
Reviewed By :Semsettin Yesilyurt 05/14/2025
 Supervised By :Mahesh Dadoda 05/14/2025



#22
 trans-1,2-Dichloroethene
 Concen: 13.994 ppbv
 RT: 2.337 min Scan# 695
 Delta R.T. 0.006 min
 Lab File: VL042533.D
 Acq: 12 May 2025 14:28

Tgt Ion: 96 Resp: 97705
 Ion Ratio Lower Upper
 96 100
 61 178.5 145.9 218.9
 98 66.7 52.2 78.4





#23
 Vinyl Acetate
 Concen: 15.744 ppbv
 RT: 2.460 min Scan# 716
 Delta R.T. 0.006 min
 Lab File: VL042533.D
 Acq: 12 May 2025 14:28

Instrument :

MSVOA_L

ClientSampleId :

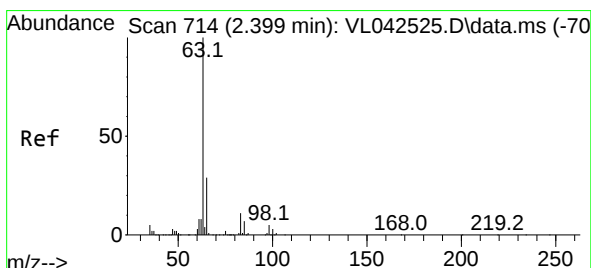
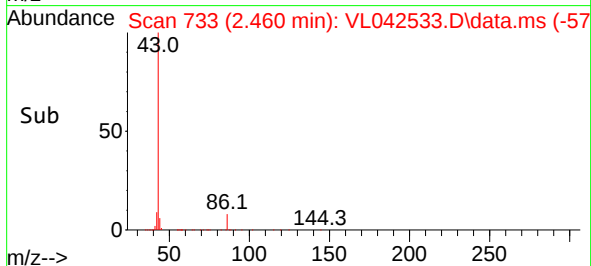
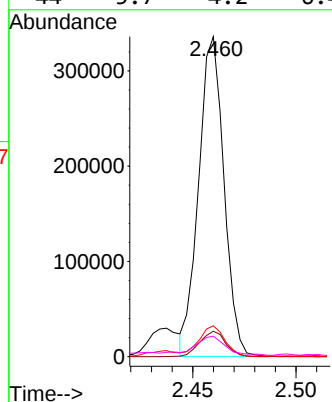
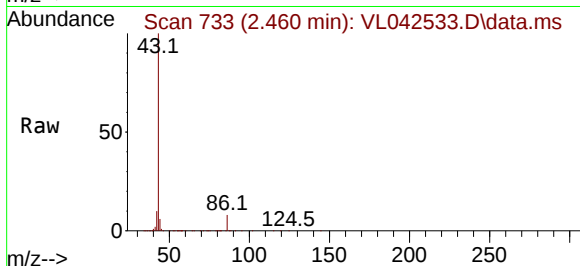
VSTDICC015

Tgt Ion: 43 Resp: 28591
 Ion Ratio Lower Upper
 43 100
 86 8.0 6.8 10.2
 42 9.5 8.8 13.2
 44 5.7 4.2 6.4

Manual Integrations

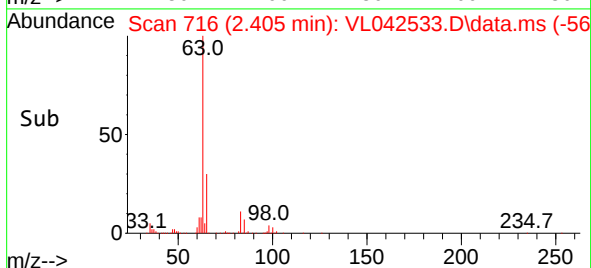
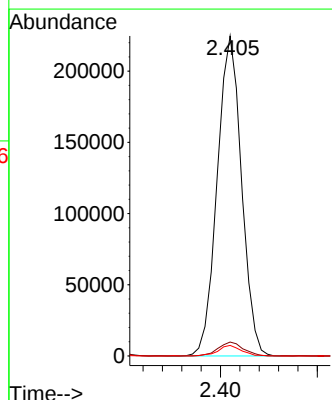
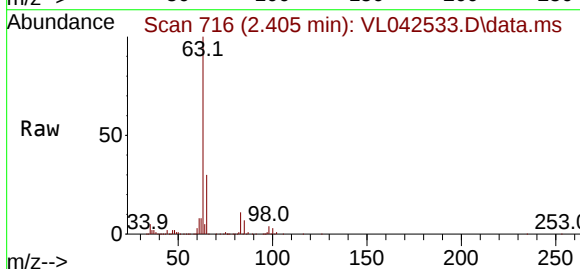
APPROVED

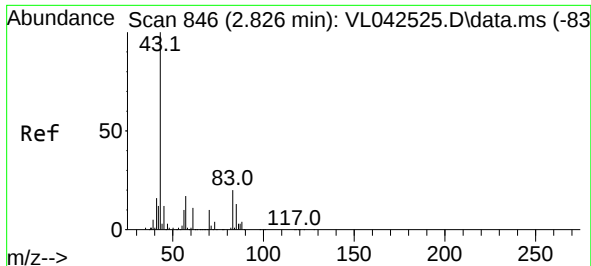
Reviewed By :Semsettin Yesilyurt 05/14/2025
 Supervised By :Mahesh Dadoda 05/14/2025



#24
 1,1-Dichloroethane
 Concen: 14.512 ppbv
 RT: 2.405 min Scan# 716
 Delta R.T. 0.006 min
 Lab File: VL042533.D
 Acq: 12 May 2025 14:28

Tgt Ion: 63 Resp: 196043
 Ion Ratio Lower Upper
 63 100
 98 4.4 2.6 8.0
 100 3.3 1.4 4.2





#25

Ethyl Acetate

Concen: 16.525 ppbv

RT: 2.832 min Scan# 84

Delta R.T. 0.006 min

Lab File: VL042533.D

Acq: 12 May 2025 14:28

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tgt Ion: 43 Resp: 503330

Ion Ratio Lower Upper

43 100

45 9.8 7.9 11.9

61 9.1 7.1 10.7

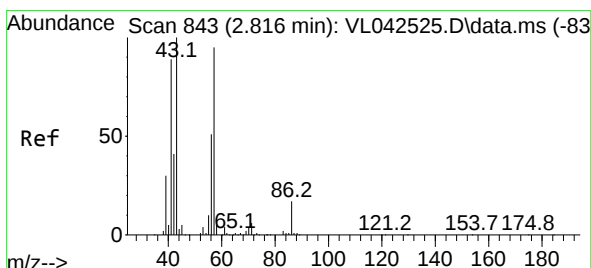
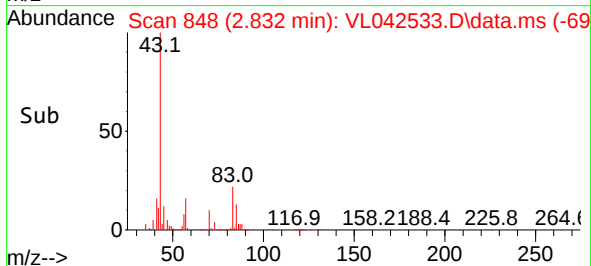
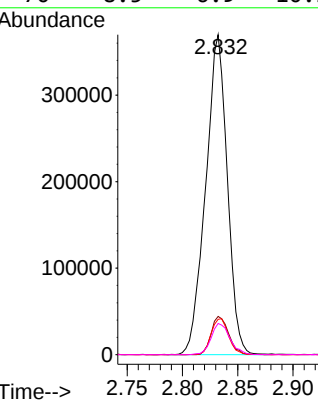
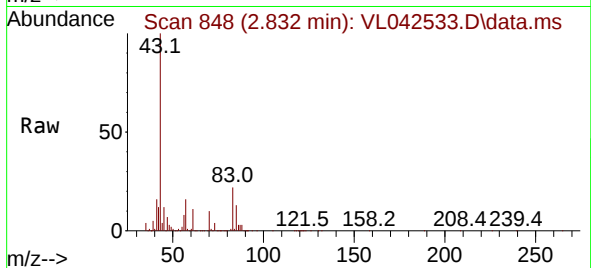
70 8.5 6.9 10.3

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 05/14/2025

Supervised By :Mahesh Dadoda 05/14/2025



#26

Hexane

Concen: 17.721 ppbv

RT: 2.819 min Scan# 844

Delta R.T. 0.003 min

Lab File: VL042533.D

Acq: 12 May 2025 14:28

Tgt Ion: 57 Resp: 221600

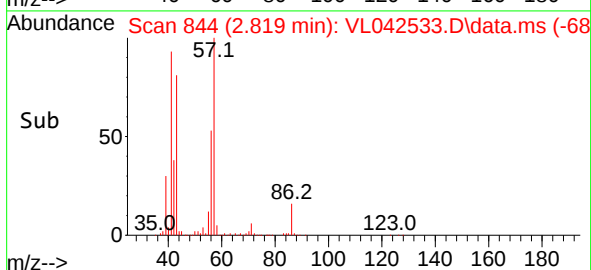
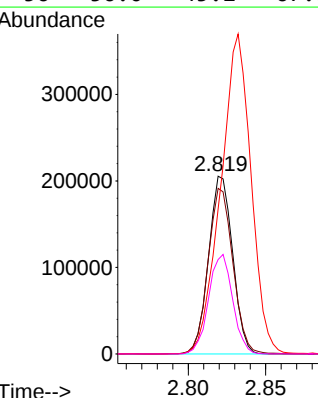
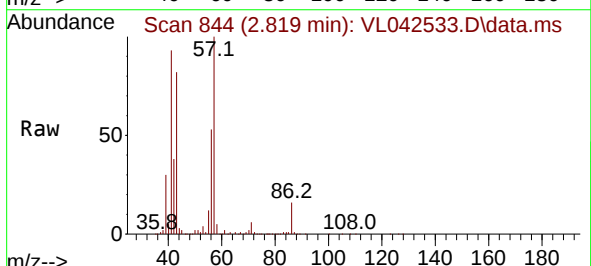
Ion Ratio Lower Upper

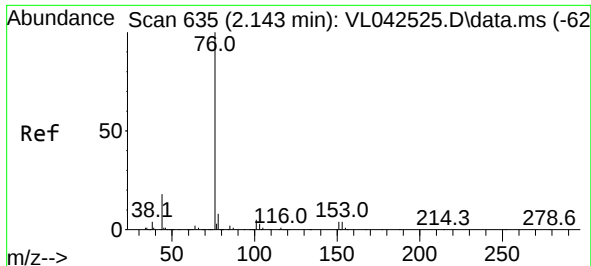
57 100

41 96.6 76.1 114.1

43 227.5 188.9 283.3

56 56.0 45.2 67.8





#27

Carbon Disulfide

Concen: 15.138 ppbv

RT: 2.146 min Scan# 61

Delta R.T. 0.003 min

Lab File: VL042533.D

Acq: 12 May 2025 14:28

Instrument :

MSVOA_L

ClientSampleId :

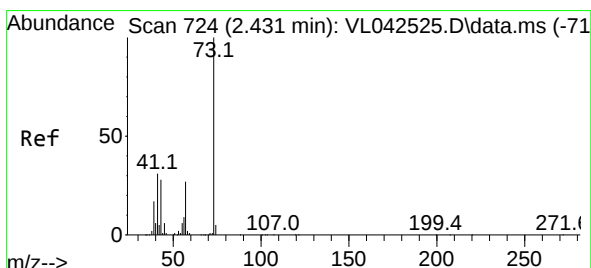
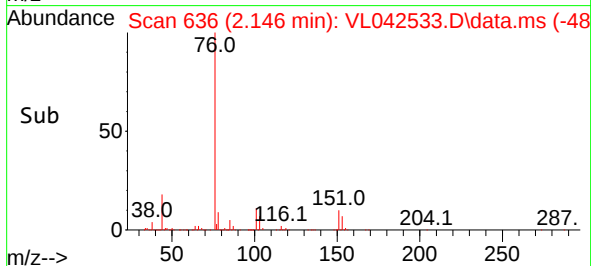
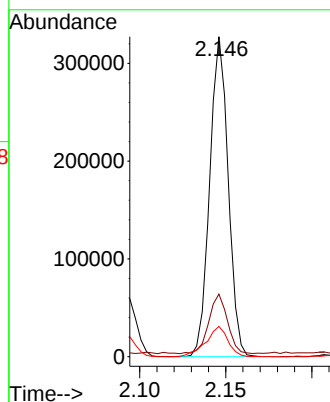
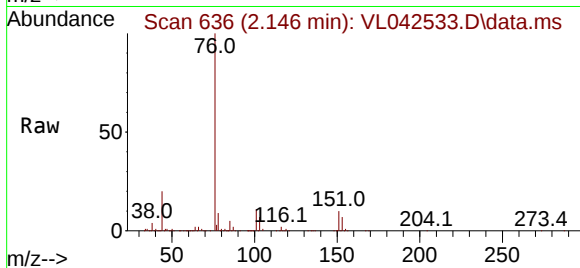
VSTDICC015

Tgt Ion: 76 Resp: 244368
 Ion Ratio Lower Upper
 76 100
 44 21.3 17.1 25.7
 78 11.3 8.6 12.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/14/2025
 Supervised By :Mahesh Dadoda 05/14/2025



#28

Methyl tert-Butyl Ether

Concen: 14.980 ppbv

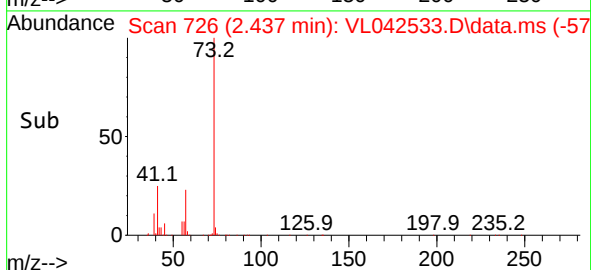
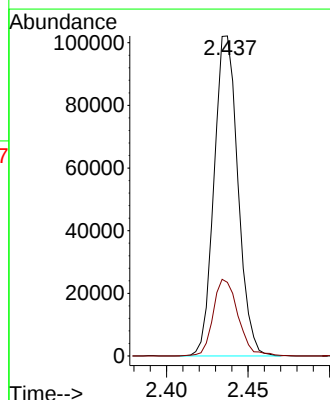
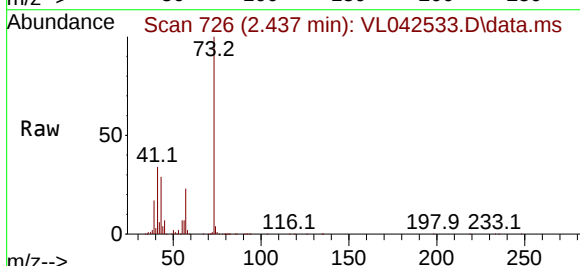
RT: 2.437 min Scan# 726

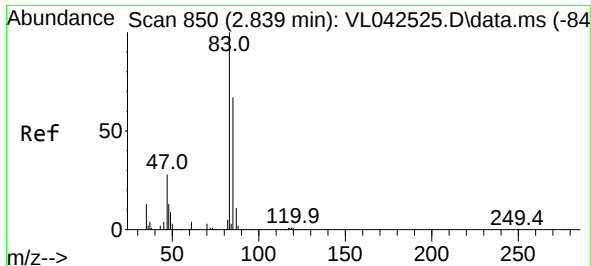
Delta R.T. 0.006 min

Lab File: VL042533.D

Acq: 12 May 2025 14:28

Tgt Ion: 73 Resp: 104072
 Ion Ratio Lower Upper
 73 100
 57 25.1 20.3 30.5





#29

Chloroform

Concen: 14.419 ppbv

RT: 2.845 min Scan# 81

Delta R.T. 0.006 min

Lab File: VL042533.D

Acq: 12 May 2025 14:28

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC015

Tgt Ion: 83 Resp: 373949

Ion Ratio Lower Upper

83 100

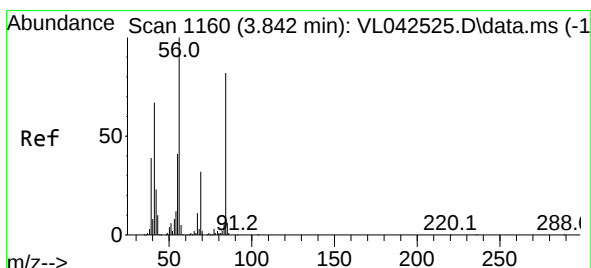
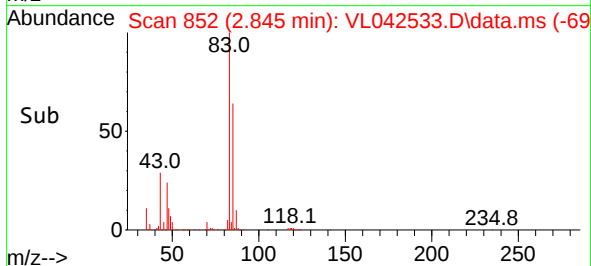
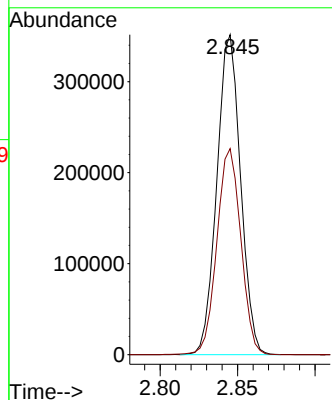
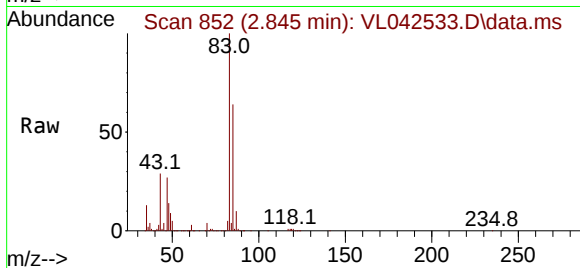
85 64.4 53.5 80.3

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 05/14/2025

Supervised By :Mahesh Dadoda 05/14/2025



#30

Cyclohexane

Concen: 18.321 ppbv

RT: 3.852 min Scan# 1163

Delta R.T. 0.009 min

Lab File: VL042533.D

Acq: 12 May 2025 14:28

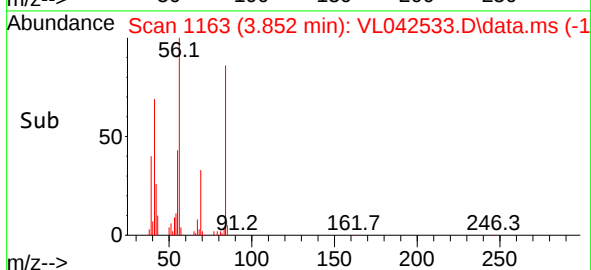
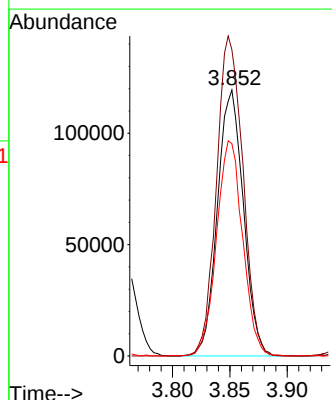
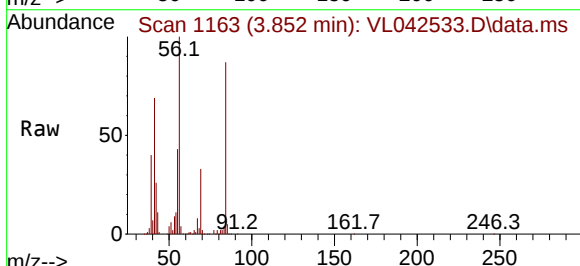
Tgt Ion: 84 Resp: 188093

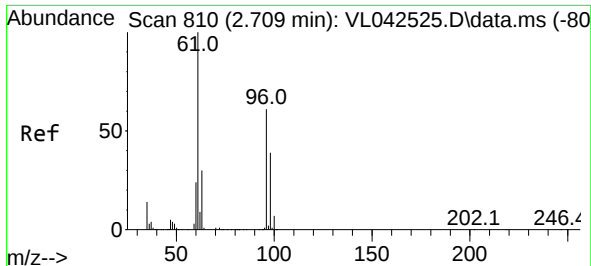
Ion Ratio Lower Upper

84 100

56 122.2 97.1 145.7

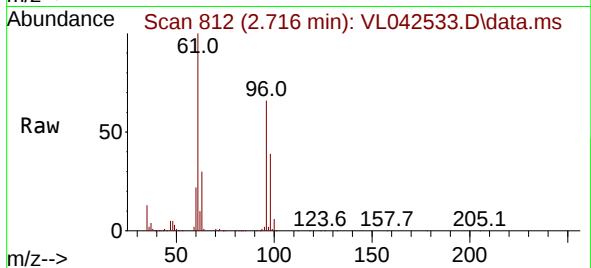
41 81.4 66.6 99.8





#31
 cis-1,2-Dichloroethene
 Concen: 16.408 ppbv
 RT: 2.716 min Scan# 810
 Delta R.T. 0.006 min
 Lab File: VL042533.D
 Acq: 12 May 2025 14:28

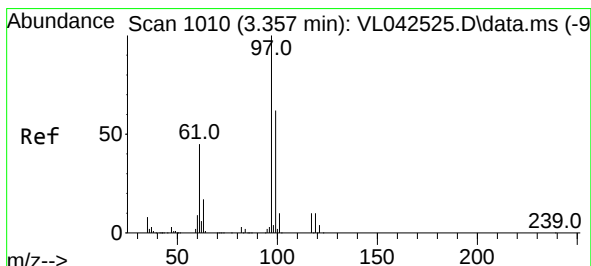
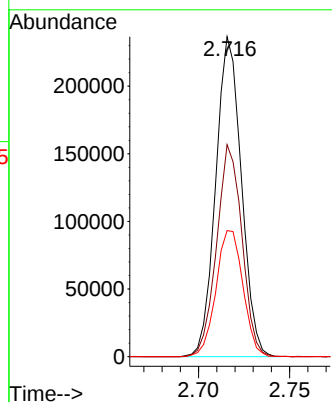
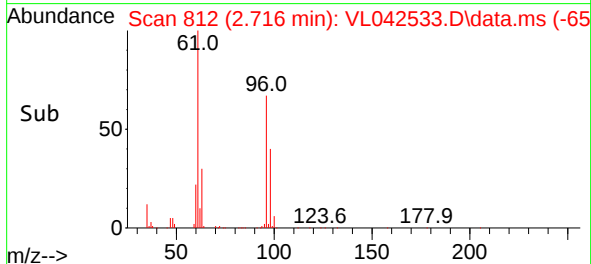
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015



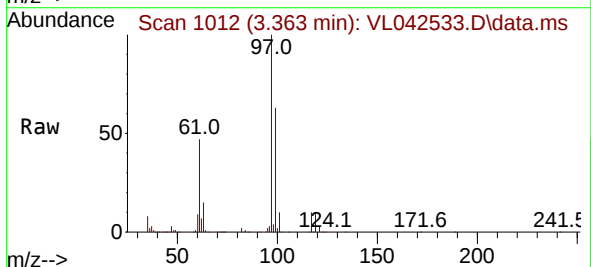
Tgt Ion: 61 Resp: 231689
 Ion Ratio Lower Upper
 61 100
 96 66.2 48.9 73.3
 98 39.4 31.4 47.2

Manual Integrations
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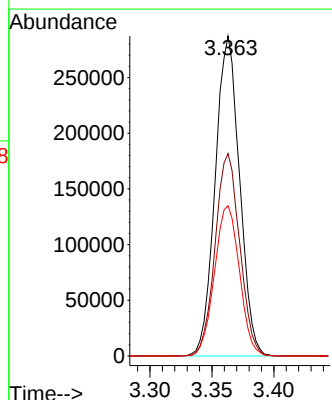
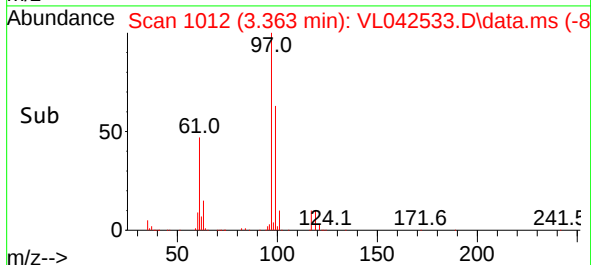
Reviewed By :Semsettin Yesilyurt 05/14/2025
 Supervised By :Mahesh Dadoda 05/14/2025

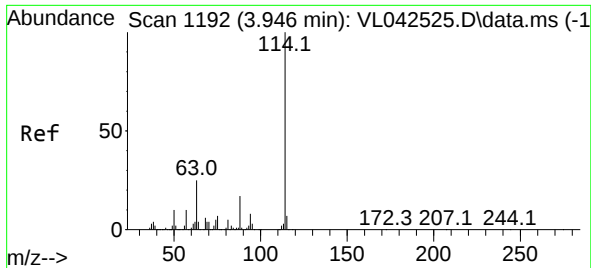


#32
 1,1,1-Trichloroethane
 Concen: 15.027 ppbv
 RT: 3.363 min Scan# 1012
 Delta R.T. 0.006 min
 Lab File: VL042533.D
 Acq: 12 May 2025 14:28



Tgt Ion: 97 Resp: 393153
 Ion Ratio Lower Upper
 97 100
 99 63.8 50.1 75.1
 61 48.3 38.2 57.2





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.952 min Scan# 1194
Delta R.T. 0.006 min
Lab File: VL042533.D
Acq: 12 May 2025 14:28

Instrument :

MSVOA_L

ClientSampleId :

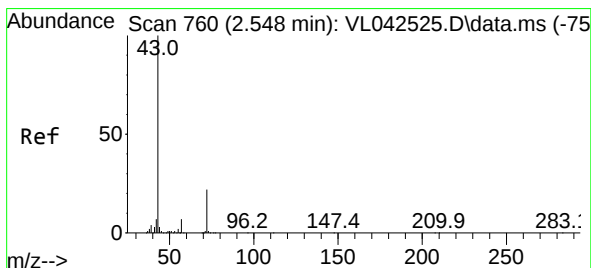
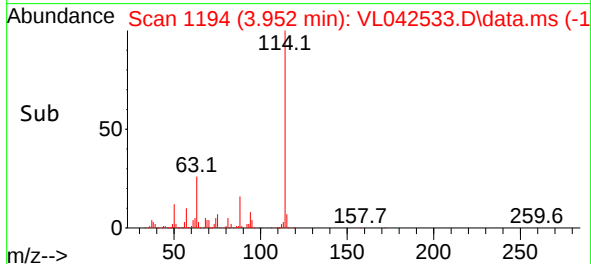
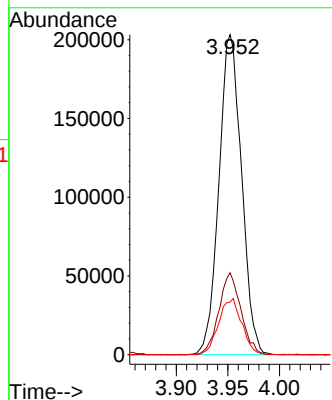
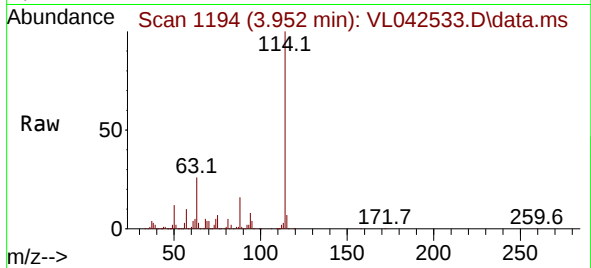
VSTDIC015

Tgt Ion:114 Resp: 309580
Ion Ratio Lower Upper
114 100
63 25.0 20.4 30.6
88 17.9 14.5 21.7

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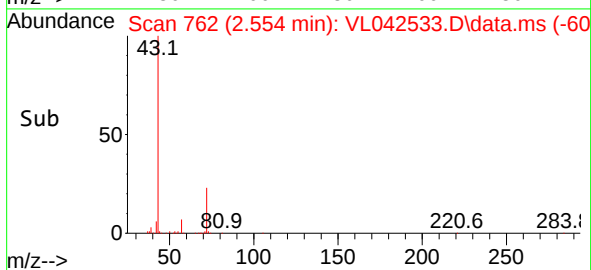
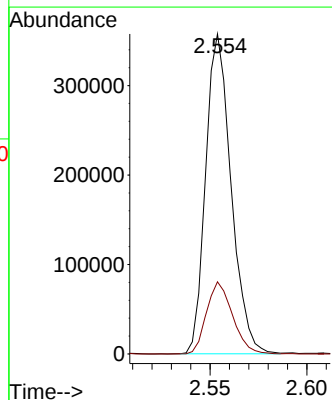
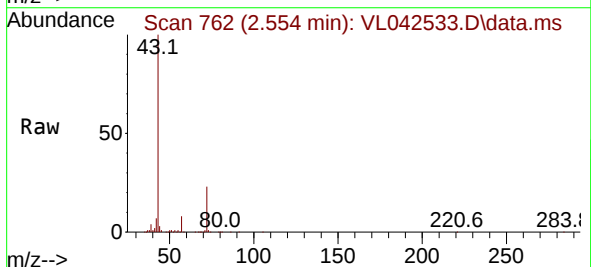
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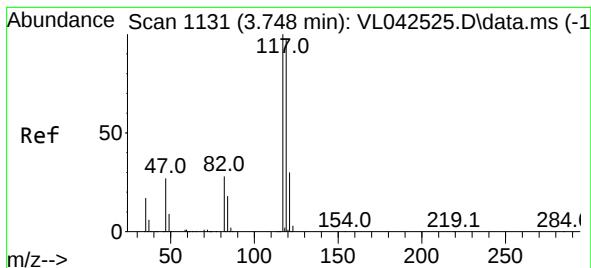
Reviewed By :Semsettin Yesilyurt 05/14/2025
Supervised By :Mahesh Dadoda 05/14/2025



#34
2-Butanone
Concen: 16.014 ppbv
RT: 2.554 min Scan# 762
Delta R.T. 0.006 min
Lab File: VL042533.D
Acq: 12 May 2025 14:28

Tgt Ion: 43 Resp: 326787
Ion Ratio Lower Upper
43 100
72 23.1 18.7 28.1





#35

Carbon Tetrachloride

Concen: 15.056 ppbv

RT: 3.758 min Scan# 1101

Delta R.T. 0.009 min

Lab File: VL042533.D

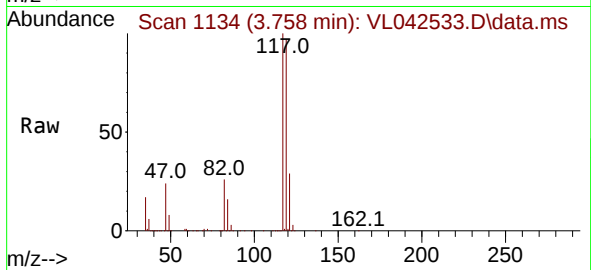
Acq: 12 May 2025 14:28

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015



Tgt Ion: 117 Resp: 419052

Ion Ratio Lower Upper

117 100

119 96.6 77.7 116.5

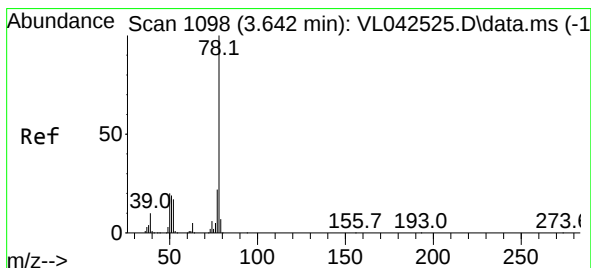
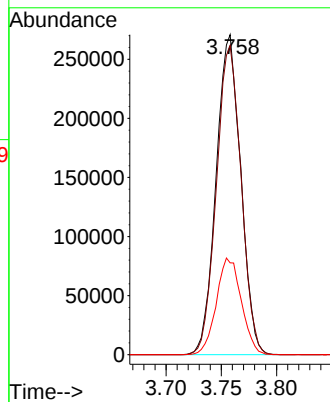
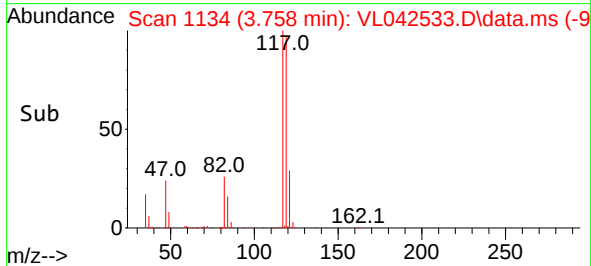
121 28.7 24.0 36.0

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Reviewed By :Semsettin Yesilyurt 05/14/2025

Supervised By :Mahesh Dadoda 05/14/2025



#36

Benzene

Concen: 16.702 ppbv

RT: 3.651 min Scan# 1101

Delta R.T. 0.009 min

Lab File: VL042533.D

Acq: 12 May 2025 14:28

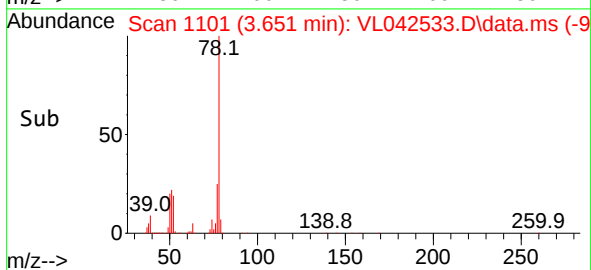
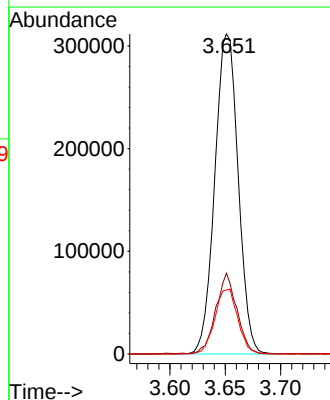
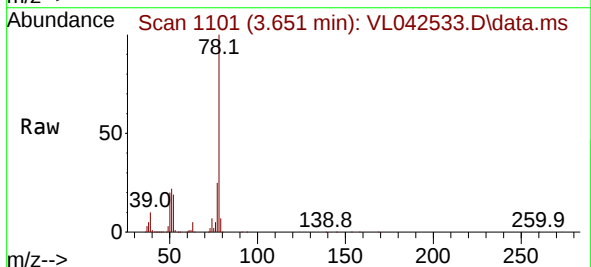
Tgt Ion: 78 Resp: 458244

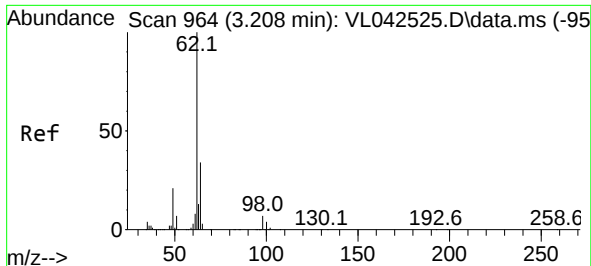
Ion Ratio Lower Upper

78 100

77 25.2 17.4 26.2

50 20.0 16.3 24.5





#37

1,2-Dichloroethane

Concen: 15.133 ppbv

RT: 3.214 min Scan# 9

Delta R.T. 0.006 min

Lab File: VL042533.D

Acq: 12 May 2025 14:28

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC015

Tgt Ion: 62 Resp: 29616

Ion Ratio Lower Upper

62 100

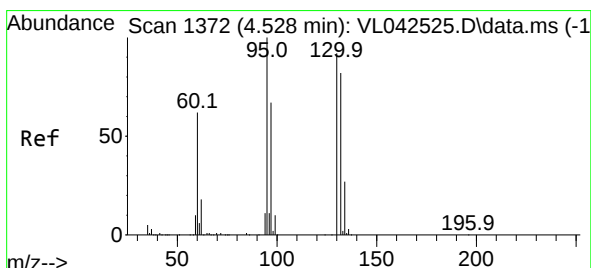
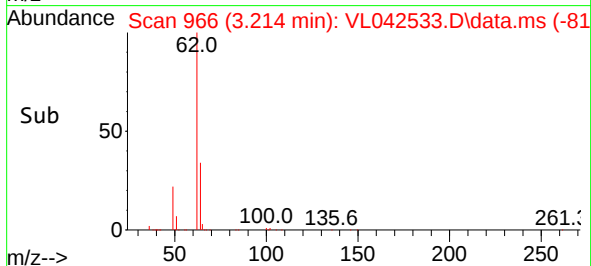
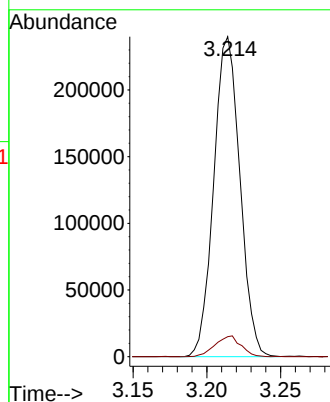
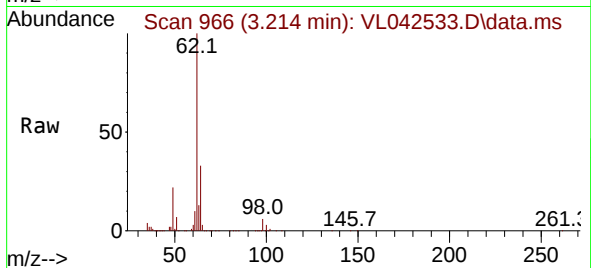
98 6.4 5.0 7.4

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 05/14/2025

Supervised By :Mahesh Dadoda 05/14/2025



#38

Trichloroethene

Concen: 16.255 ppbv

RT: 4.544 min Scan# 1377

Delta R.T. 0.016 min

Lab File: VL042533.D

Acq: 12 May 2025 14:28

Tgt Ion:130 Resp: 190538

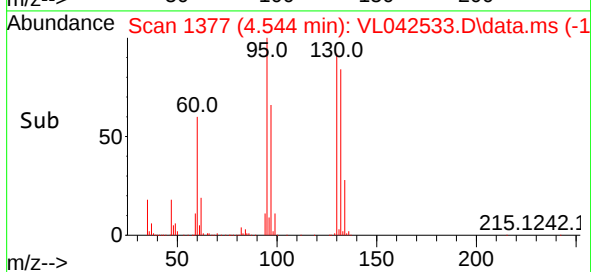
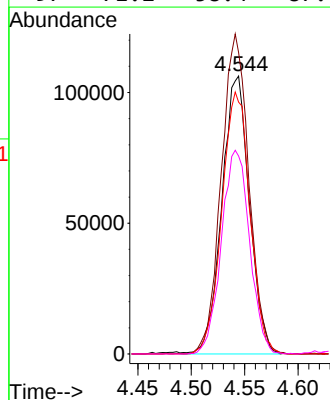
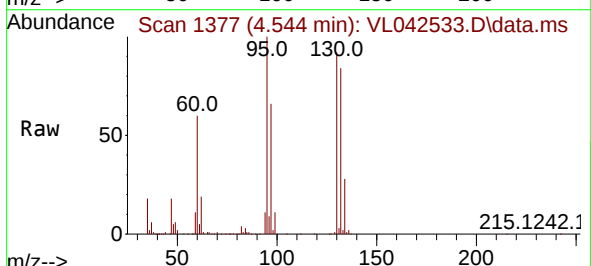
Ion Ratio Lower Upper

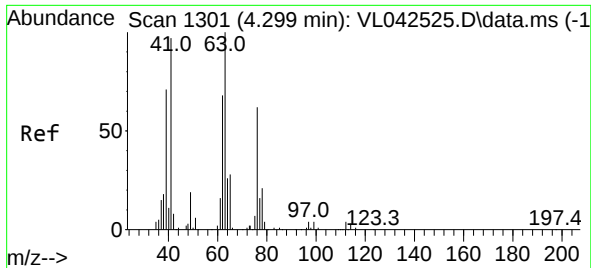
130 100

95 108.3 87.0 130.4

132 90.6 71.1 106.7

97 71.2 58.4 87.6





#39

1,2-Dichloropropane

Concen: 15.867 ppbv

RT: 4.308 min Scan# 1304

Delta R.T. 0.009 min

Lab File: VL042533.D

Acq: 12 May 2025 14:28

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tgt Ion: 63 Resp: 162049

Ion Ratio Lower Upper

63 100

41 90.7 77.5 116.3

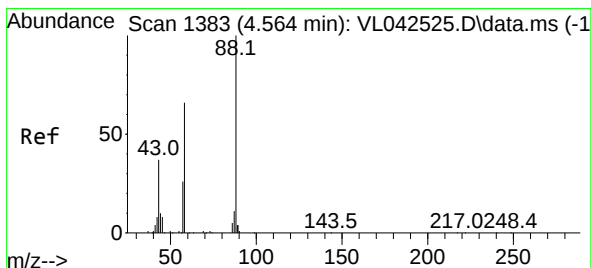
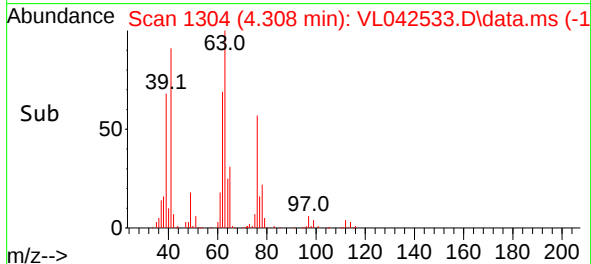
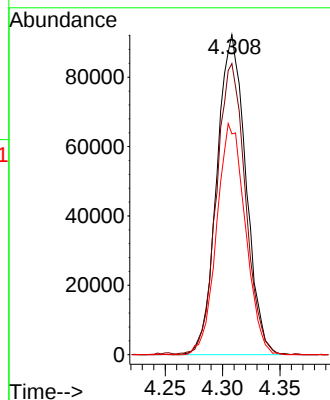
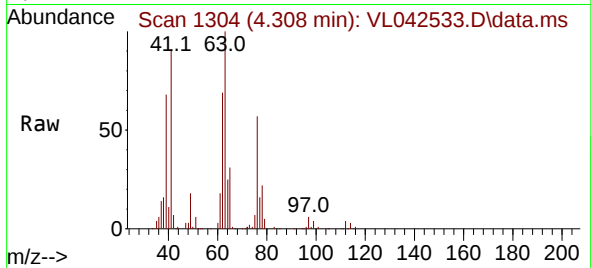
62 69.0 54.6 82.0

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Reviewed By :Semsettin Yesilyurt 05/14/2025

Supervised By :Mahesh Dadoda 05/14/2025



#40

1,4-Dioxane

Concen: 17.187 ppbv m

RT: 4.580 min Scan# 1388

Delta R.T. 0.016 min

Lab File: VL042533.D

Acq: 12 May 2025 14:28

Tgt Ion: 88 Resp: 69978

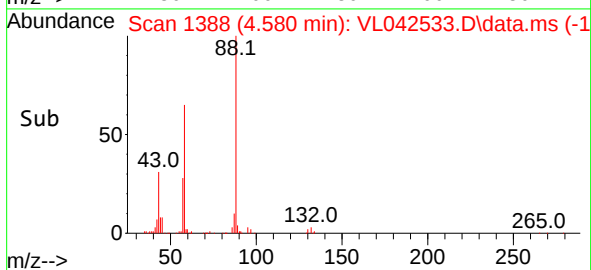
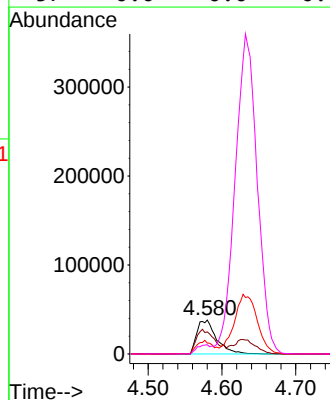
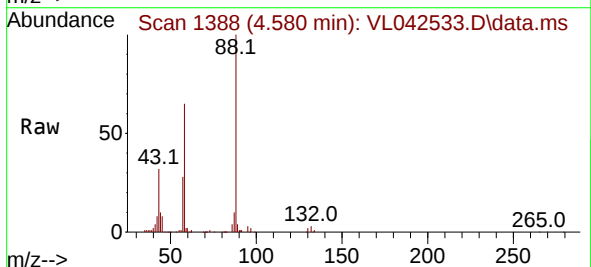
Ion Ratio Lower Upper

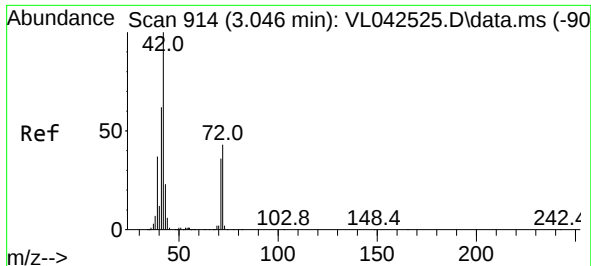
88 100

58 69.8 58.2 87.2

43 0.0 27.9 41.9#

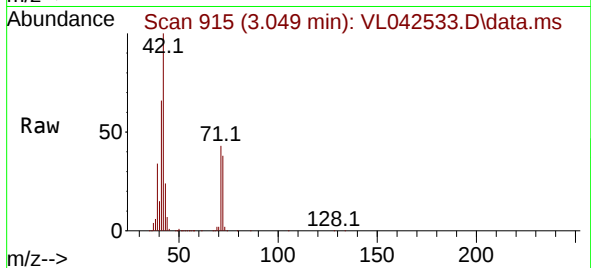
57 0.0 0.0 0.0





#41
Tetrahydrofuran
Concen: 19.057 ppbv
RT: 3.049 min Scan# 914
Delta R.T. 0.003 min
Lab File: VL042533.D
Acq: 12 May 2025 14:28

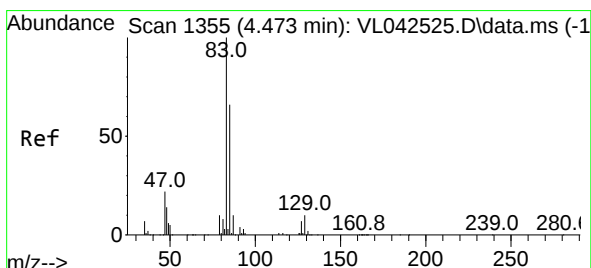
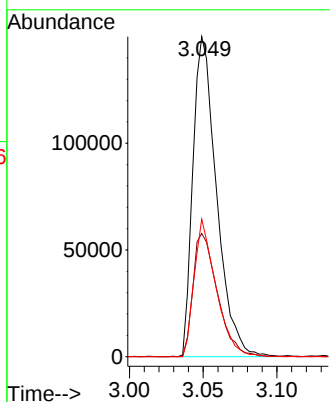
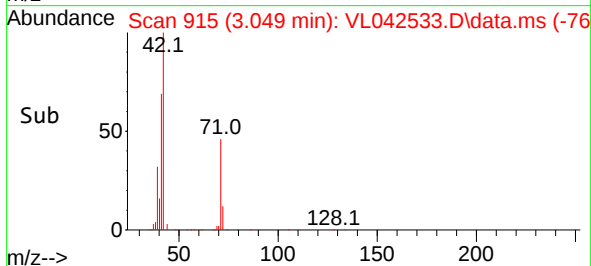
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



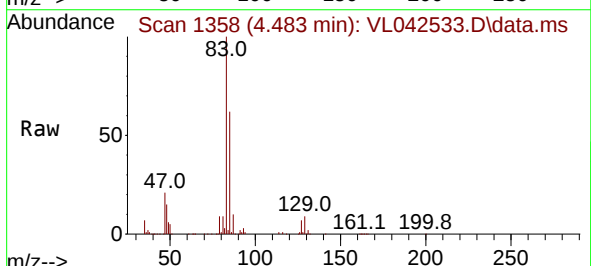
Tgt Ion: 42 Resp: 167734
Ion Ratio Lower Upper
42 100
72 39.6 32.7 49.1
71 39.6 30.4 45.6

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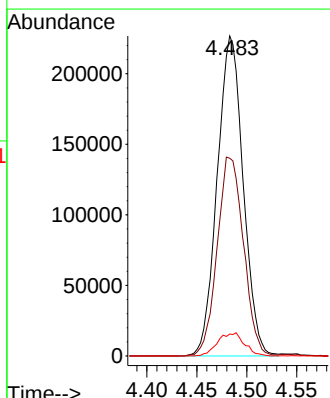
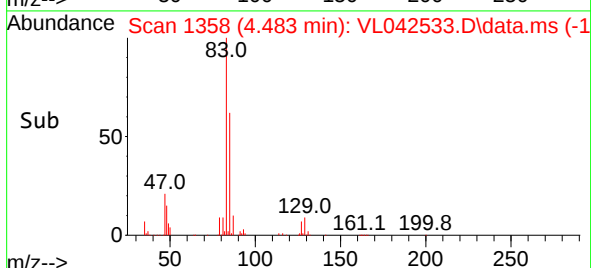
Reviewed By :Semsettin Yesilyurt 05/14/2025
Supervised By :Mahesh Dadoda 05/14/2025

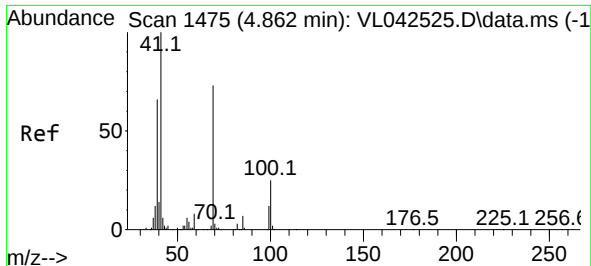


#42
Bromodichloromethane
Concen: 15.734 ppbv
RT: 4.483 min Scan# 1358
Delta R.T. 0.009 min
Lab File: VL042533.D
Acq: 12 May 2025 14:28



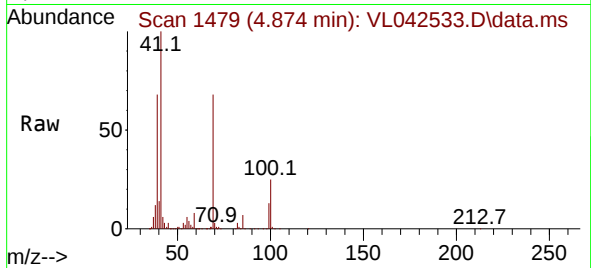
Tgt Ion: 83 Resp: 410197
Ion Ratio Lower Upper
83 100
85 61.8 52.6 79.0
127 6.8 6.0 9.0





#43
Methyl Methacrylate
Concen: 19.145 ppbv
RT: 4.874 min Scan# 1475
Delta R.T. 0.013 min
Lab File: VL042533.D
Acq: 12 May 2025 14:28

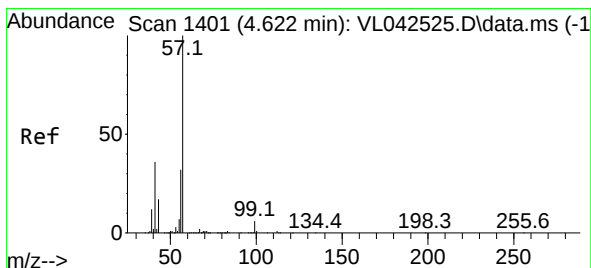
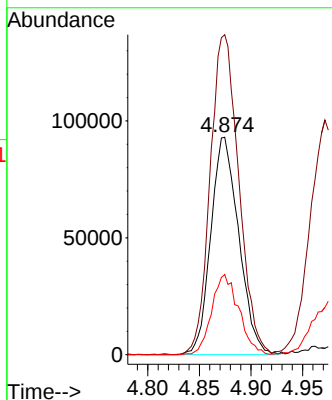
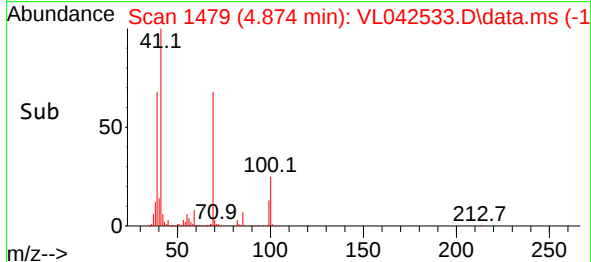
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015



Tgt Ion: 69 Resp: 175429
Ion Ratio Lower Upper
69 100
41 150.3 119.9 179.9
100 35.7 28.4 42.6

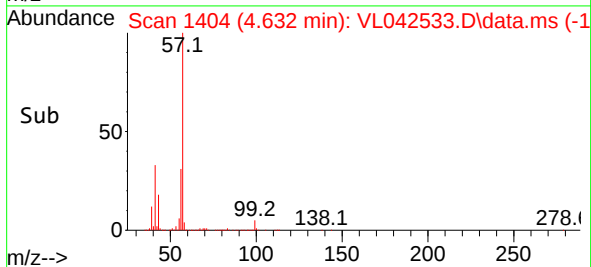
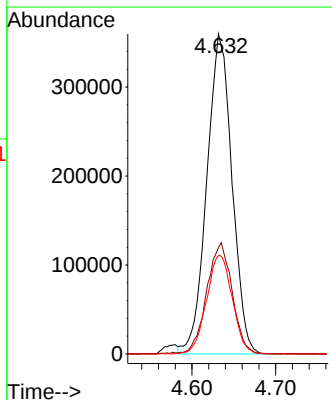
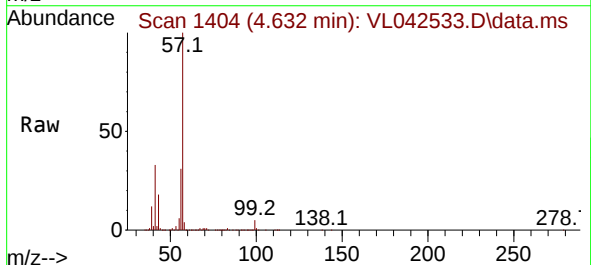
Manual Integrations
APPROVED

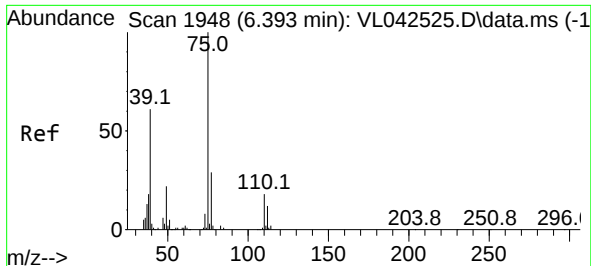
Reviewed By :Semsettin Yesilyurt 05/14/2025
Supervised By :Mahesh Dadoda 05/14/2025



#44
2,2,4-Trimethylpentane
Concen: 17.485 ppbv
RT: 4.632 min Scan# 1404
Delta R.T. 0.009 min
Lab File: VL042533.D
Acq: 12 May 2025 14:28

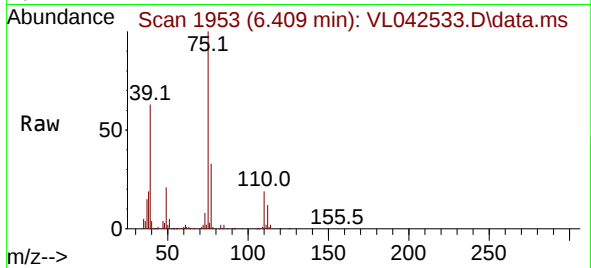
Tgt Ion: 57 Resp: 753360
Ion Ratio Lower Upper
57 100
41 35.5 28.3 42.5
56 31.5 25.9 38.9





#45
t-1,3-Dichloropropene
Concen: 19.247 ppbv
RT: 6.409 min Scan# 1948
Delta R.T. 0.016 min
Lab File: VL042533.D
Acq: 12 May 2025 14:28

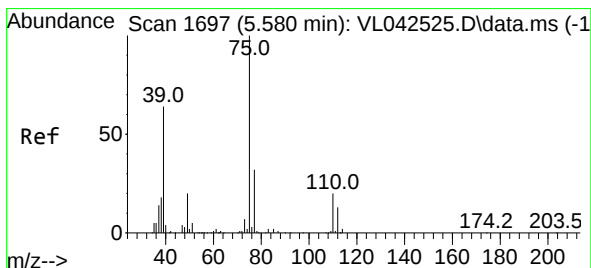
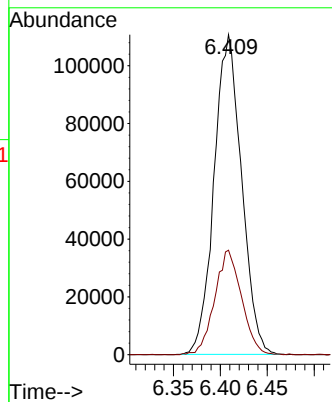
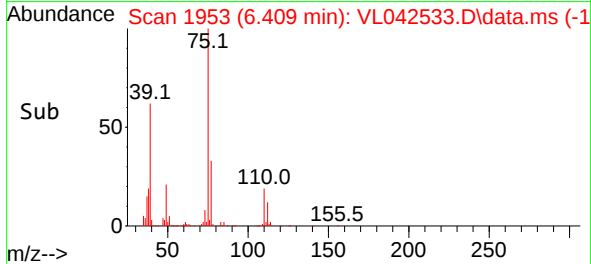
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



Tgt Ion: 75 Resp: 22516
Ion Ratio Lower Upper
75 100
77 32.7 23.3 34.9

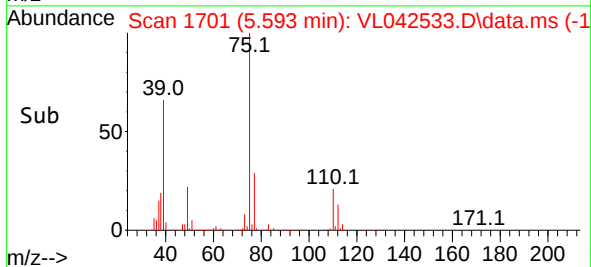
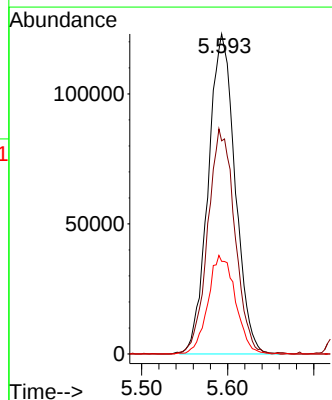
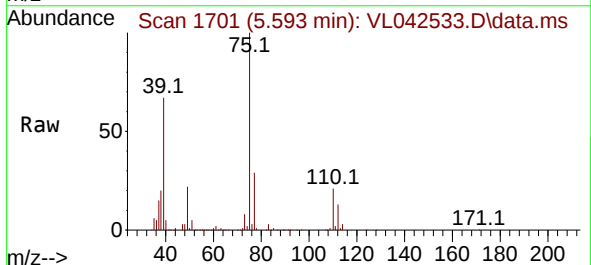
Manual Integrations
APPROVED

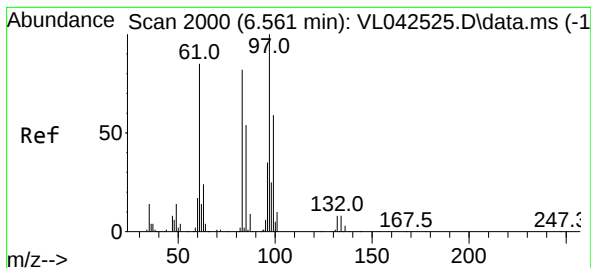
Reviewed By :Semsettin Yesilyurt 05/14/2025
Supervised By :Mahesh Dadoda 05/14/2025



#46
cis-1,3-Dichloropropene
Concen: 18.975 ppbv
RT: 5.593 min Scan# 1701
Delta R.T. 0.013 min
Lab File: VL042533.D
Acq: 12 May 2025 14:28

Tgt Ion: 75 Resp: 267742
Ion Ratio Lower Upper
75 100
39 66.2 51.2 76.8
77 29.0 25.4 38.0





#47

1,1,2-Trichloroethane

Concen: 15.225 ppbv

RT: 6.574 min Scan# 2004

Delta R.T. 0.013 min

Lab File: VL042533.D

Acq: 12 May 2025 14:28

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC015

Tgt Ion: 97 Resp: 18308

Ion Ratio Lower Upper

97 100

83 78.4 66.0 99.0

85 48.4 42.8 64.2

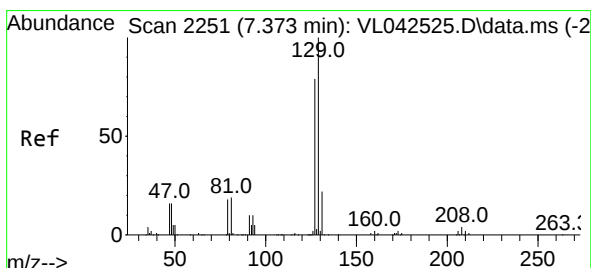
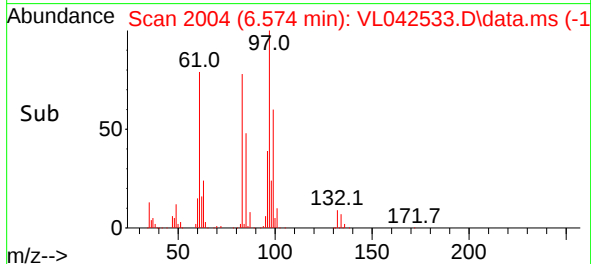
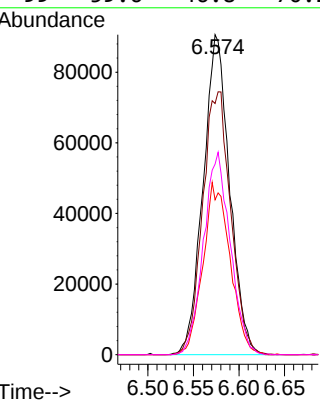
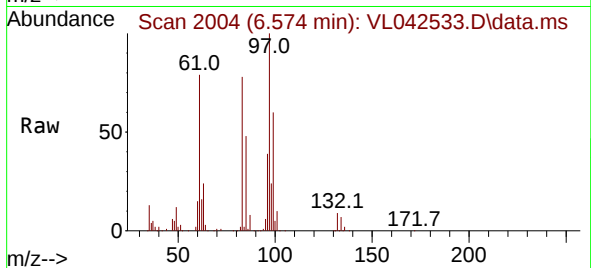
99 59.6 46.8 70.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/14/2025

Supervised By :Mahesh Dadoda 05/14/2025



#48

Dibromochloromethane

Concen: 16.641 ppbv

RT: 7.383 min Scan# 2254

Delta R.T. 0.009 min

Lab File: VL042533.D

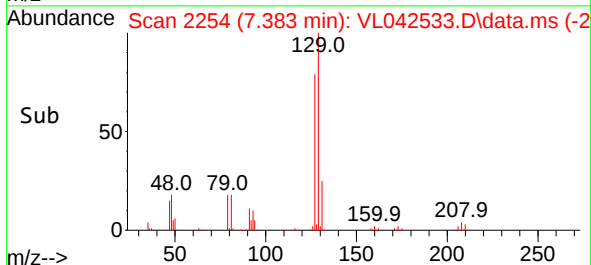
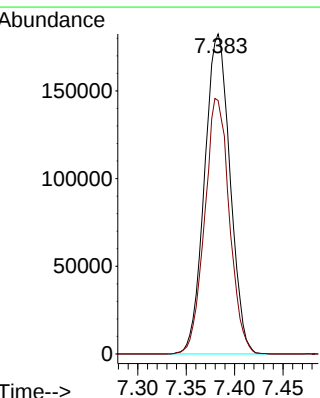
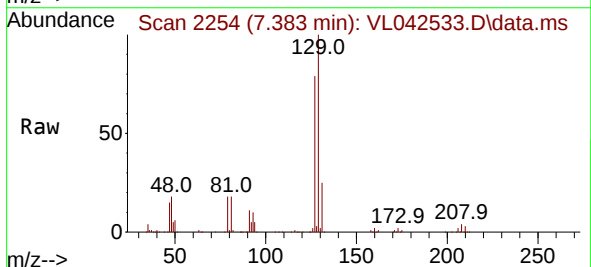
Acq: 12 May 2025 14:28

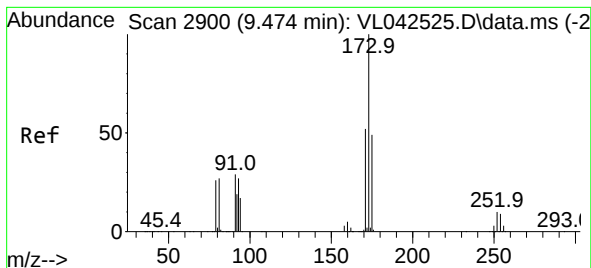
Tgt Ion:129 Resp: 334374

Ion Ratio Lower Upper

129 100

127 77.5 39.6 118.8





#49

Bromoform

Concen: 16.922 ppbv

RT: 9.480 min Scan# 2900

Delta R.T. 0.006 min

Lab File: VL042533.D

Acq: 12 May 2025 14:28

Instrument :

MSVOA_L

ClientSampleId :

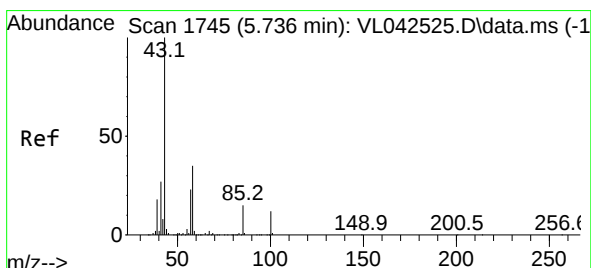
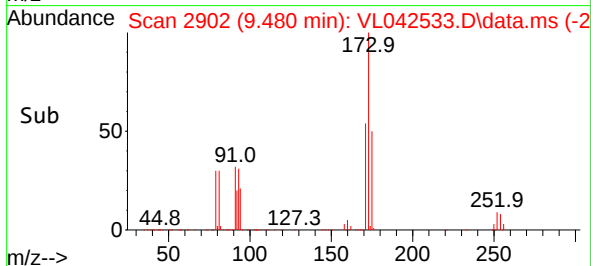
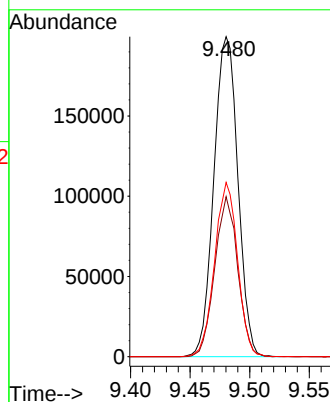
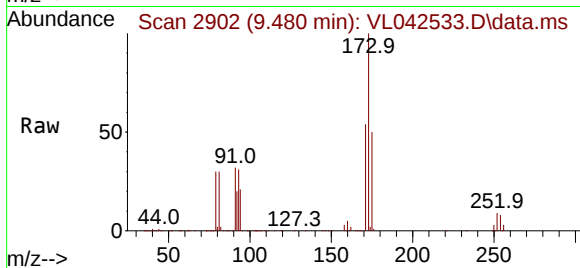
VSTDIC015

Tgt Ion:173	Resp: 27901
Ion Ratio	Lower Upper
173 100	
175 47.9	39.1 58.7
171 52.1	41.8 62.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/14/2025
Supervised By :Mahesh Dadoda 05/14/2025



#50

4-Methyl-2-Pentanone

Concen: 18.621 ppbv

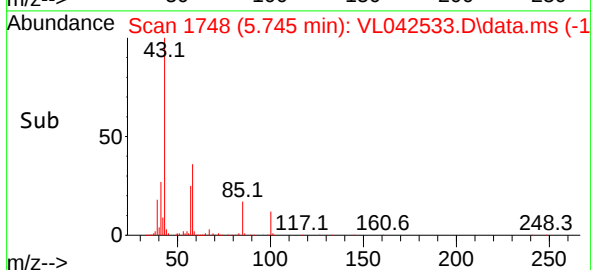
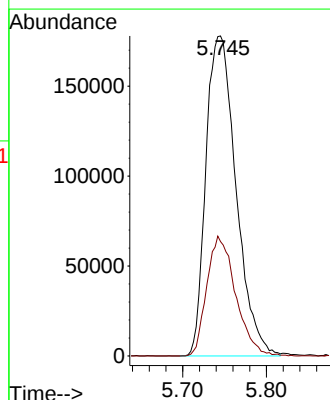
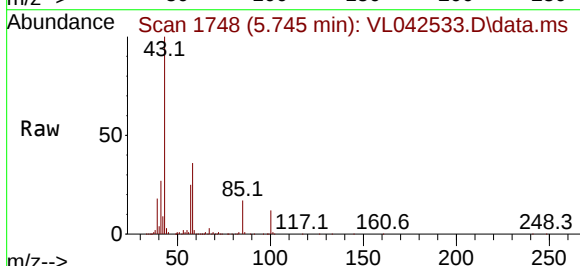
RT: 5.745 min Scan# 1748

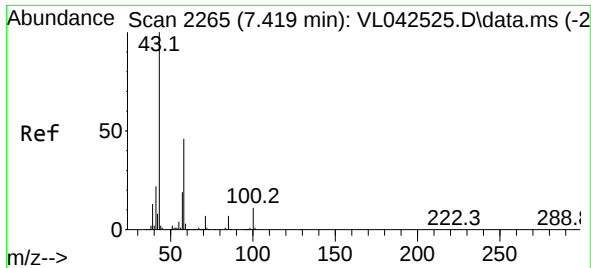
Delta R.T. 0.009 min

Lab File: VL042533.D

Acq: 12 May 2025 14:28

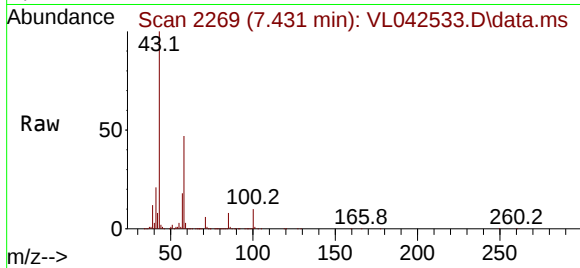
Tgt Ion: 43	Resp: 445638
Ion Ratio	Lower Upper
43 100	
58 35.7	28.6 42.8





#51
2-Hexanone
Concen: 20.654 ppbv
RT: 7.431 min Scan# 21
Delta R.T. 0.013 min
Lab File: VL042533.D
Acq: 12 May 2025 14:28

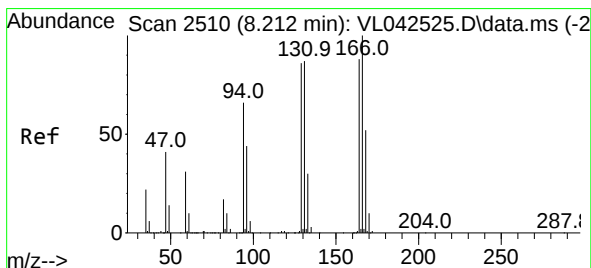
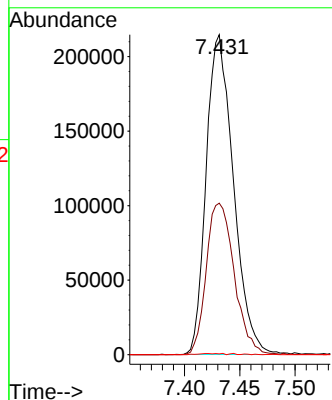
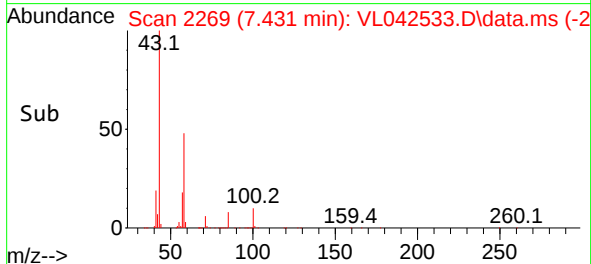
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



Tgt Ion: 43 Resp: 36739
Ion Ratio Lower Upper
43 100
58 48.8 37.5 56.3
98 0.5 0.9 1.3

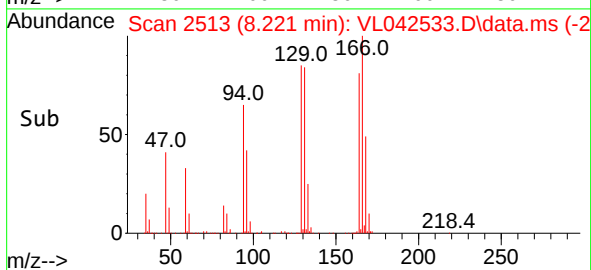
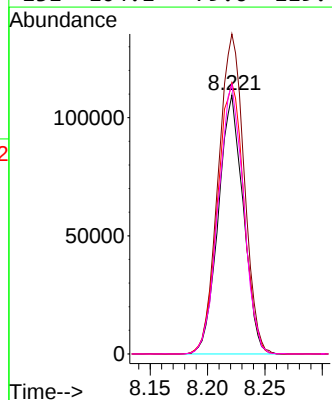
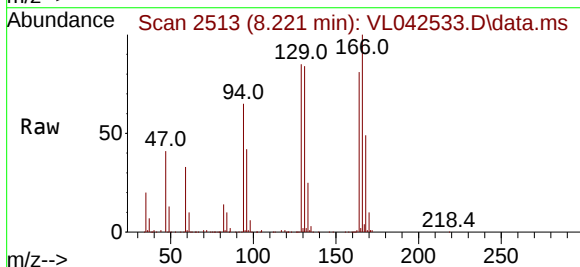
Manual Integrations
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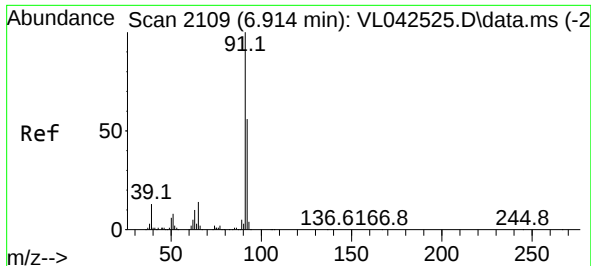
Reviewed By :Semsettin Yesilyurt 05/14/2025
Supervised By :Mahesh Dadoda 05/14/2025



#52
Tetrachloroethene
Concen: 15.639 ppbv
RT: 8.221 min Scan# 2513
Delta R.T. 0.009 min
Lab File: VL042533.D
Acq: 12 May 2025 14:28

Tgt Ion:164 Resp: 165300
Ion Ratio Lower Upper
164 100
166 123.6 91.3 136.9
129 104.8 78.9 118.3
131 104.1 79.6 119.4





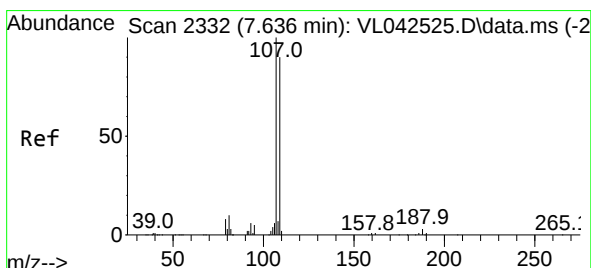
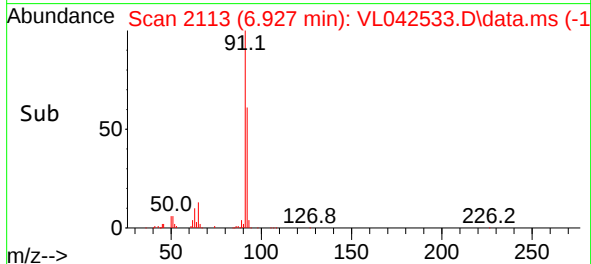
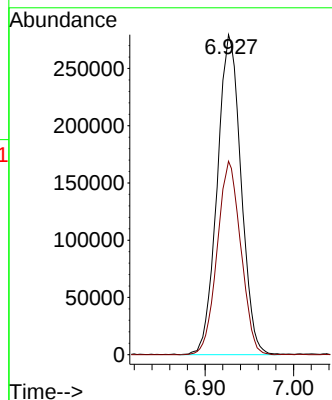
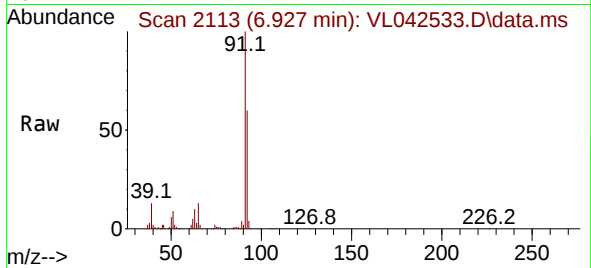
#53
Toluene
Concen: 19.420 ppbv
RT: 6.927 min Scan# 2113
Delta R.T. 0.013 min
Lab File: VL042533.D
Acq: 12 May 2025 14:28

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 91 Resp: 52287
Ion Ratio Lower Upper
91 100
92 59.9 47.8 71.6

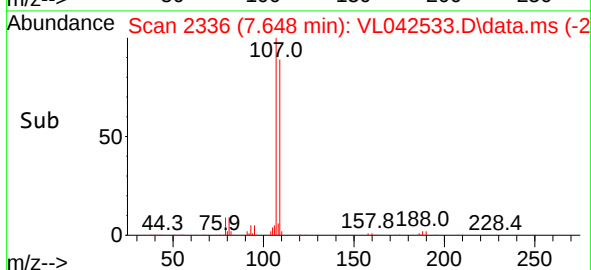
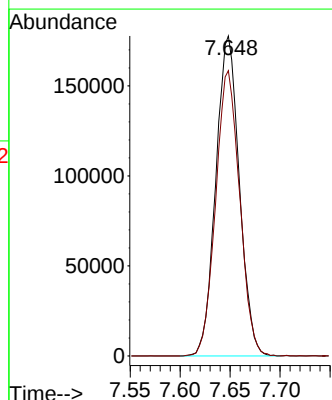
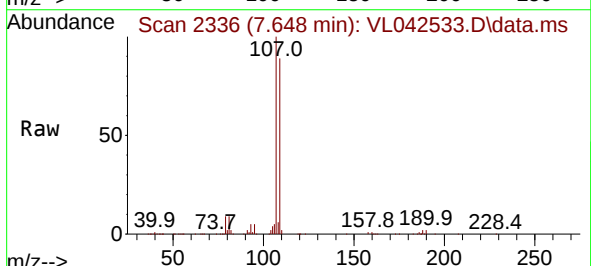
Manual Integrations
APPROVED

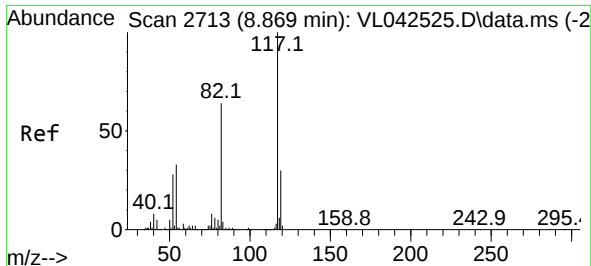
Reviewed By :Semsettin Yesilyurt 05/14/2025
Supervised By :Mahesh Dadoda 05/14/2025



#54
1,2-Dibromoethane
Concen: 16.547 ppbv
RT: 7.648 min Scan# 2336
Delta R.T. 0.013 min
Lab File: VL042533.D
Acq: 12 May 2025 14:28

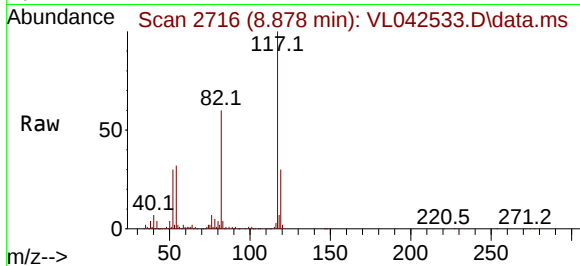
Tgt Ion:107 Resp: 290801
Ion Ratio Lower Upper
107 100
109 89.2 72.2 108.4





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.878 min Scan# 2716
Delta R.T. 0.009 min
Lab File: VL042533.D
Acq: 12 May 2025 14:28

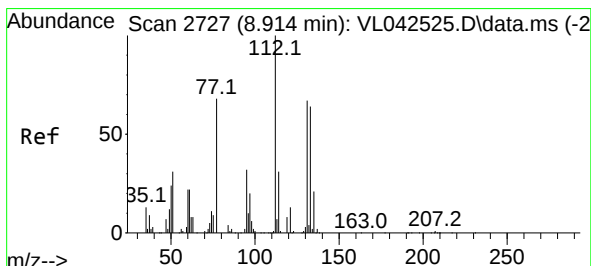
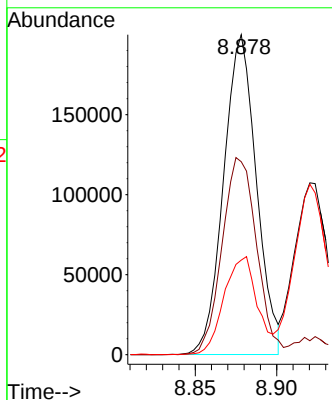
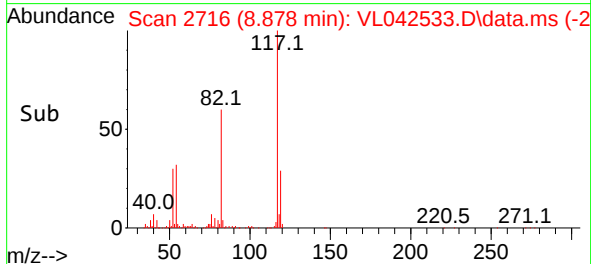
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



Tgt Ion:117 Resp: 279828
Ion Ratio Lower Upper
117 100
82 65.2 55.0 82.4
119 31.1 25.8 38.6

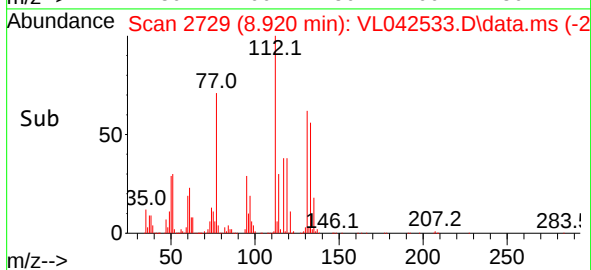
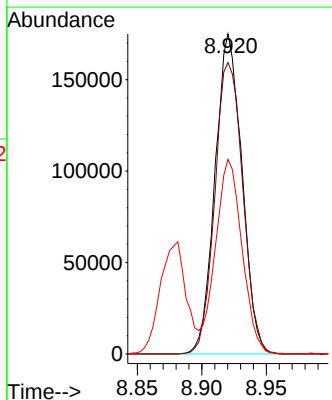
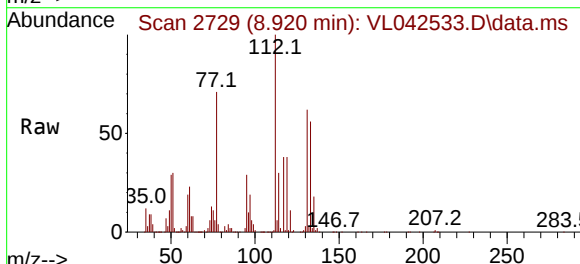
Manual Integrations
APPROVED

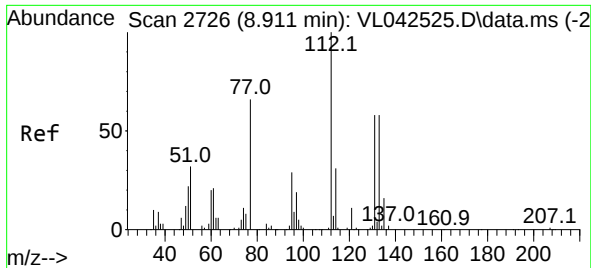
Reviewed By :Semsettin Yesilyurt 05/14/2025
Supervised By :Mahesh Dadoda 05/14/2025



#56
1,1,1,2-Tetrachloroethane
Concen: 14.589 ppbv
RT: 8.920 min Scan# 2729
Delta R.T. 0.006 min
Lab File: VL042533.D
Acq: 12 May 2025 14:28

Tgt Ion:131 Resp: 253110
Ion Ratio Lower Upper
131 100
133 94.8 77.4 116.2
119 60.0 49.0 73.4





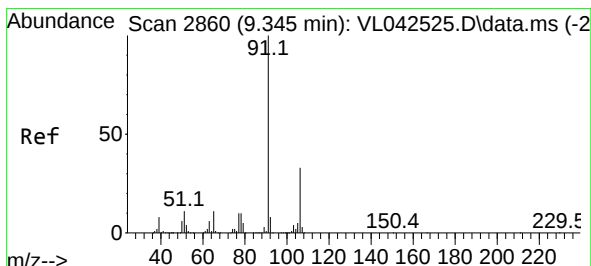
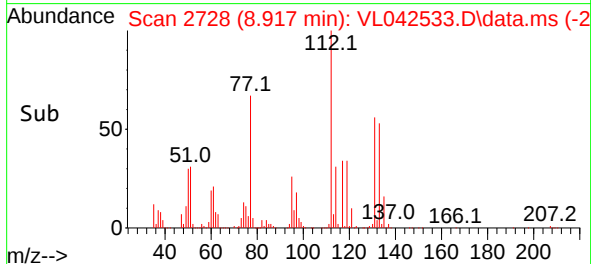
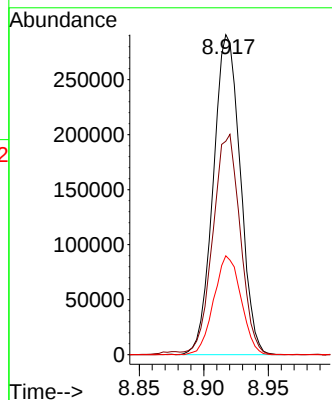
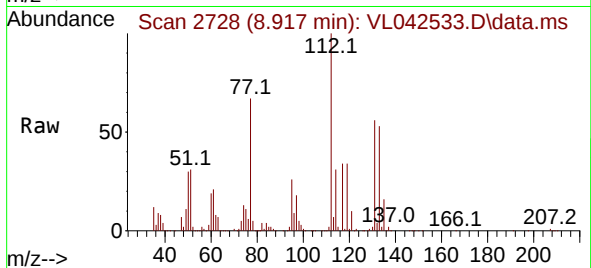
#57
Chlorobenzene
Concen: 15.057 ppbv
RT: 8.917 min Scan# 21
Delta R.T. 0.006 min
Lab File: VL042533.D
Acq: 12 May 2025 14:28

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tgt Ion: 112 Resp: 423059
Ion Ratio Lower Upper
112 100
77 66.6 53.6 80.4
114 30.8 28.2 34.4

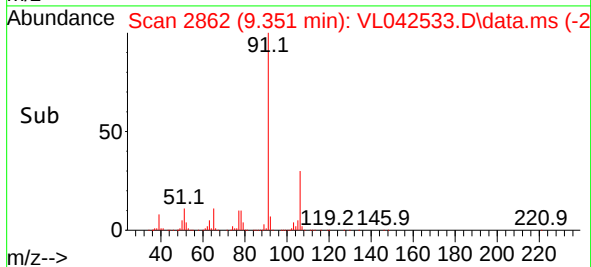
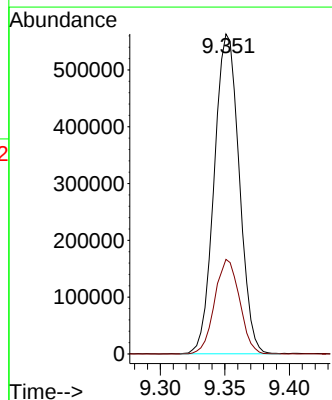
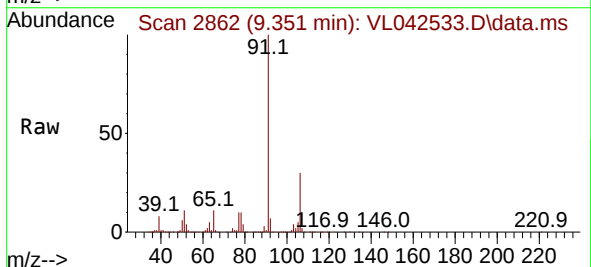
Manual Integrations
APPROVED

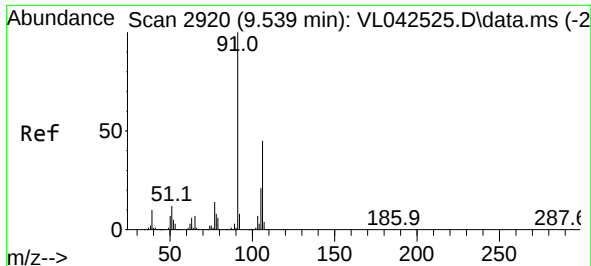
Reviewed By :Semsettin Yesilyurt 05/14/2025
Supervised By :Mahesh Dadoda 05/14/2025



#58
Ethyl Benzene
Concen: 19.852 ppbv
RT: 9.351 min Scan# 2862
Delta R.T. 0.006 min
Lab File: VL042533.D
Acq: 12 May 2025 14:28

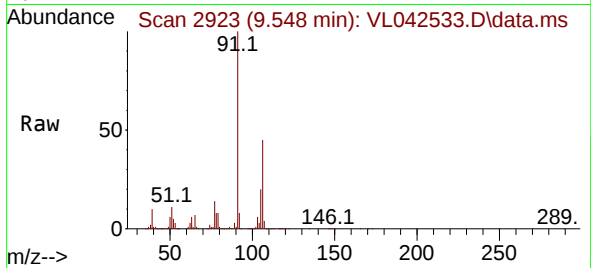
Tgt Ion: 91 Resp: 757160
Ion Ratio Lower Upper
91 100
106 29.6 26.0 39.0





#59
m/p-Xylene
Concen: 36.878 ppbv m
RT: 9.548 min Scan# 2920
Delta R.T. 0.009 min
Lab File: VL042533.D
Acq: 12 May 2025 14:28

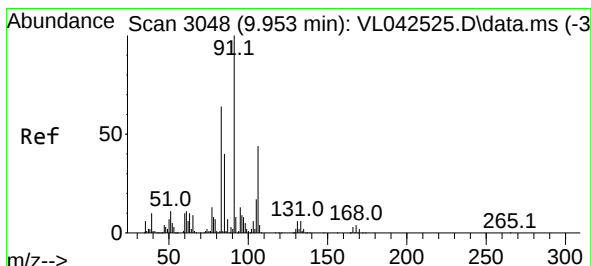
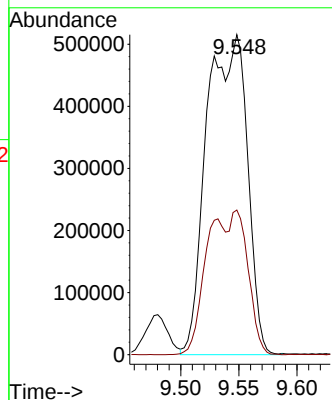
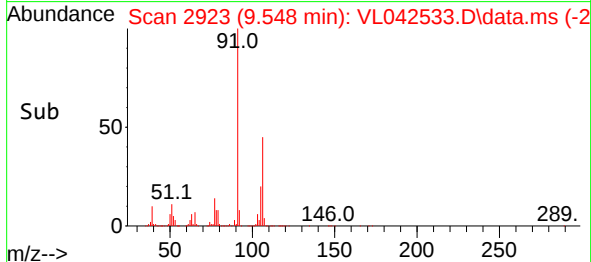
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



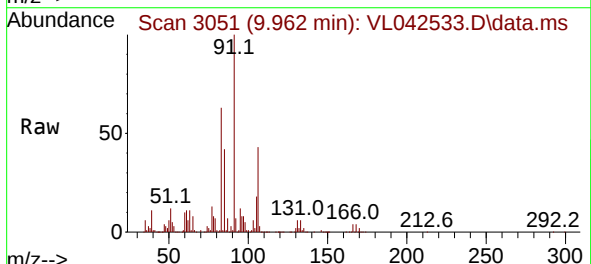
Tgt Ion: 91 Resp: 125125
Ion Ratio Lower Upper
91 100
106 45.3 0.0 0.0

Manual Integrations
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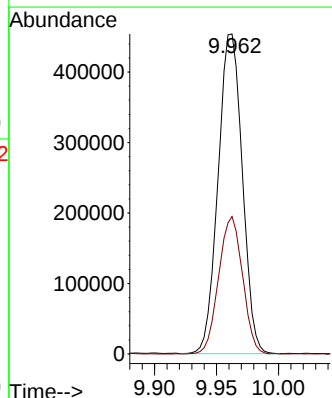
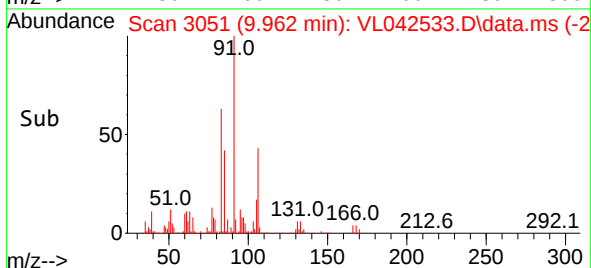
Reviewed By :Semsettin Yesilyurt 05/14/2025
Supervised By :Mahesh Dadoda 05/14/2025

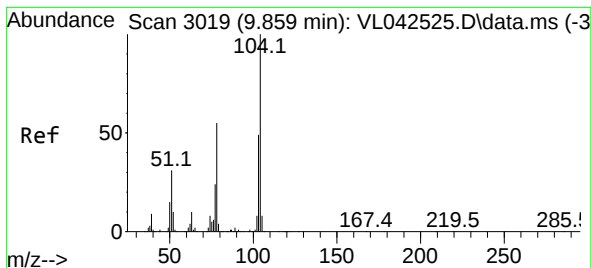


#60
o-Xylene
Concen: 18.698 ppbv
RT: 9.962 min Scan# 3051
Delta R.T. 0.009 min
Lab File: VL042533.D
Acq: 12 May 2025 14:28



Tgt Ion: 91 Resp: 618234
Ion Ratio Lower Upper
91 100
106 42.4 21.6 64.6





#61

Styrene

Concen: 22.137 ppbv

RT: 9.869 min Scan# 3019

Delta R.T. 0.009 min

Lab File: VL042533.D

Acq: 12 May 2025 14:28

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tgt Ion:104 Resp: 269609

Ion Ratio Lower Upper

104 100

78 53.7 44.7 67.1

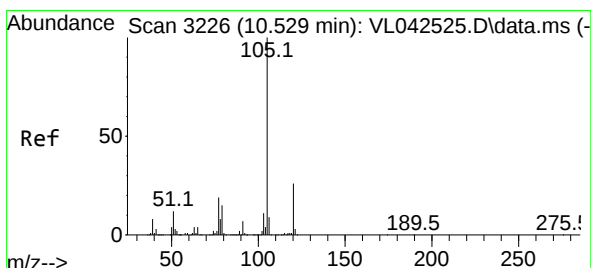
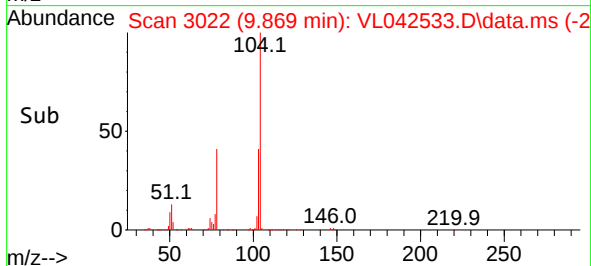
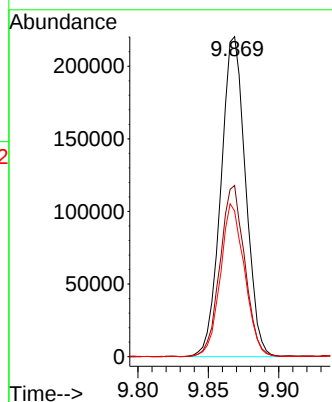
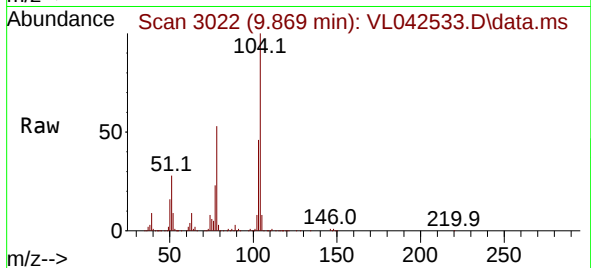
103 47.0 38.6 58.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/14/2025

Supervised By :Mahesh Dadoda 05/14/2025



#62

Isopropylbenzene

Concen: 18.112 ppbv

RT: 10.535 min Scan# 3228

Delta R.T. 0.006 min

Lab File: VL042533.D

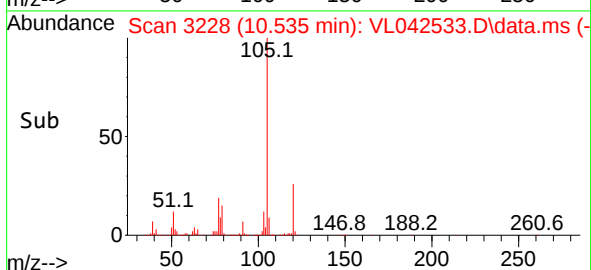
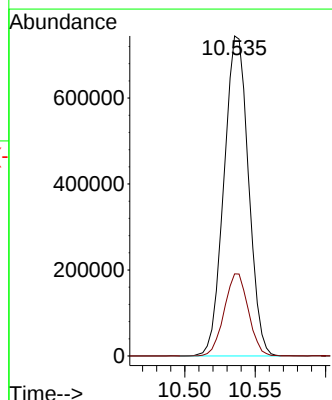
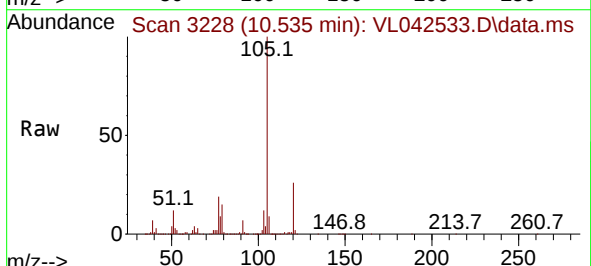
Acq: 12 May 2025 14:28

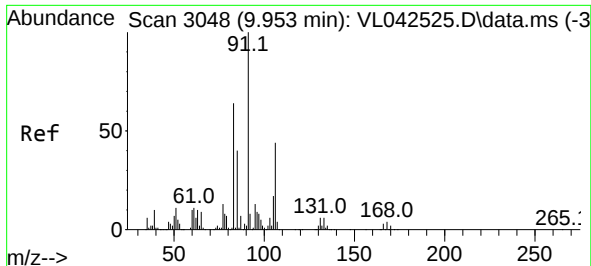
Tgt Ion:105 Resp: 902388

Ion Ratio Lower Upper

105 100

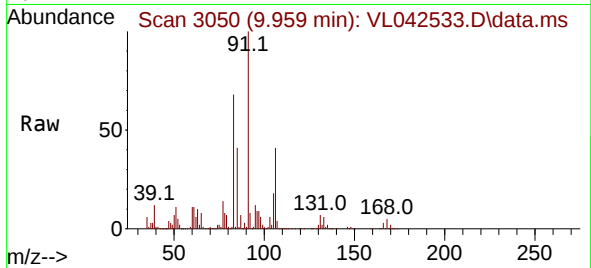
120 25.4 20.1 30.1





#63
1,1,2,2-Tetrachloroethane
Concen: 14.351 ppbv
RT: 9.959 min Scan# 3048
Delta R.T. 0.006 min
Lab File: VL042533.D
Acq: 12 May 2025 14:28

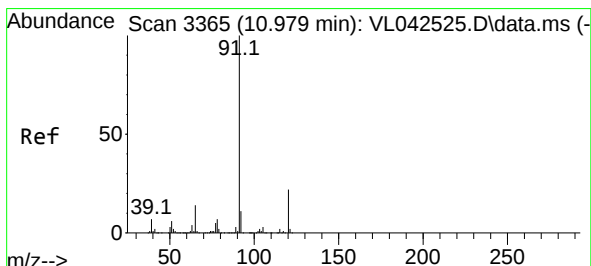
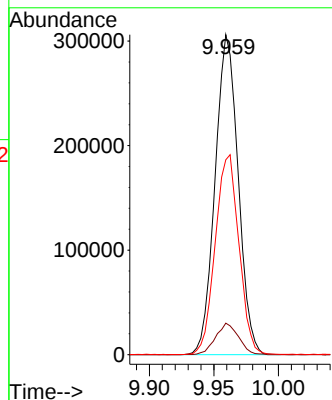
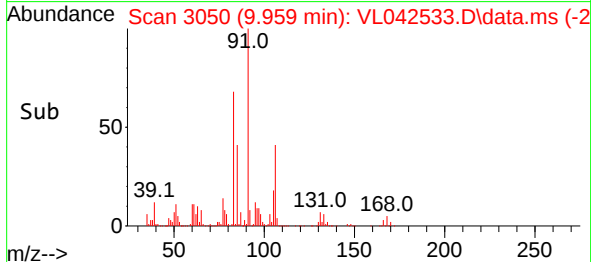
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



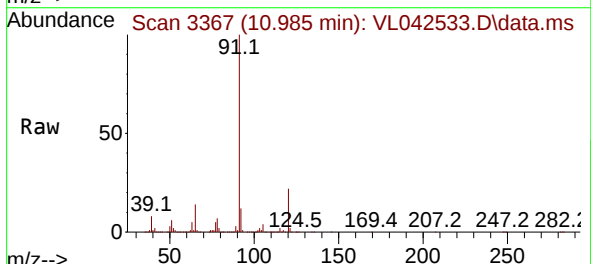
Tgt Ion: 83 Resp: 38058
Ion Ratio Lower Upper
83 100
131 9.8 4.9 14.7
85 63.9 32.3 96.8

Manual Integrations
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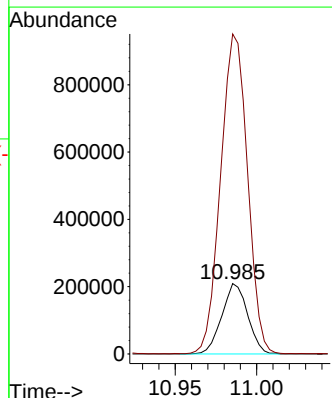
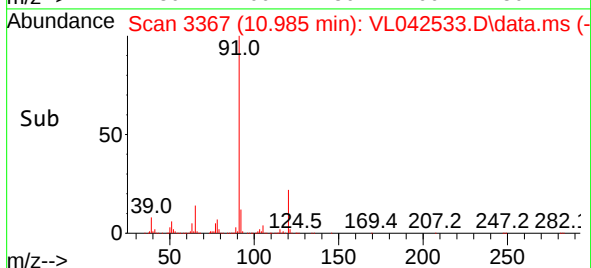
Reviewed By :Semsettin Yesilyurt 05/14/2025
Supervised By :Mahesh Dadoda 05/14/2025

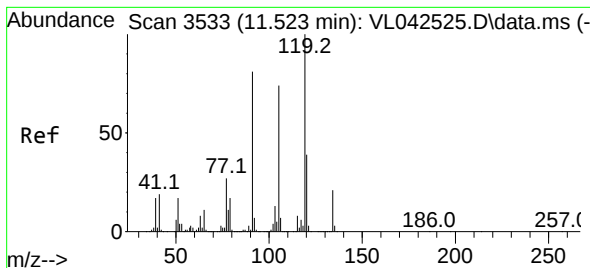


#64
n-propylbenzene
Concen: 18.238 ppbv
RT: 10.985 min Scan# 3367
Delta R.T. 0.006 min
Lab File: VL042533.D
Acq: 12 May 2025 14:28



Tgt Ion:120 Resp: 230244
Ion Ratio Lower Upper
120 100
91 473.5 377.7 566.5





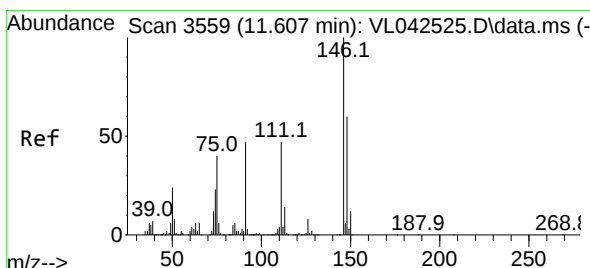
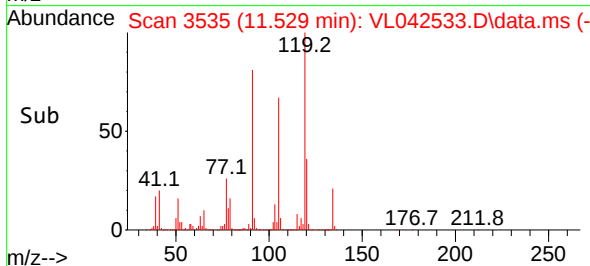
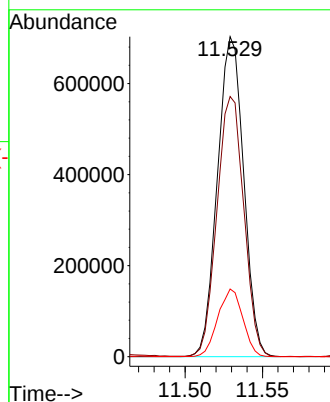
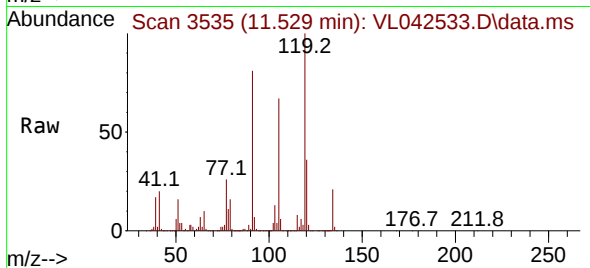
#65
tert-Butylbenzene
Concen: 18.087 ppbv
RT: 11.529 min Scan# 3533
Delta R.T. 0.006 min
Lab File: VL042533.D
Acq: 12 May 2025 14:28

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tgt Ion:119 Resp: 82749
Ion Ratio Lower Upper
119 100
91 83.0 66.6 99.8
134 20.1 16.3 24.5

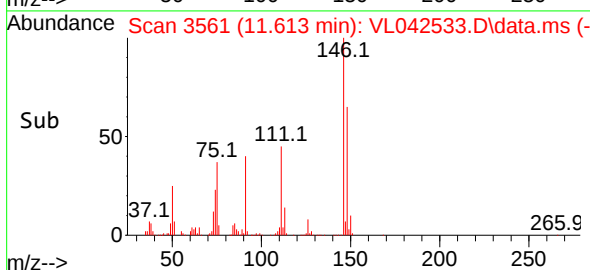
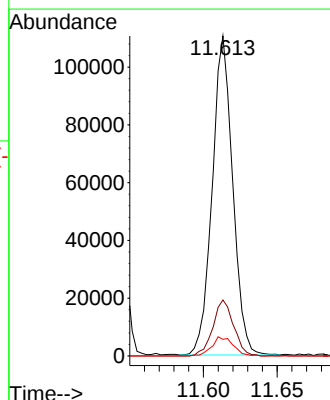
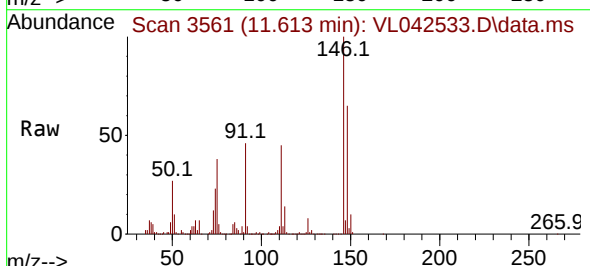
Manual Integrations
APPROVED

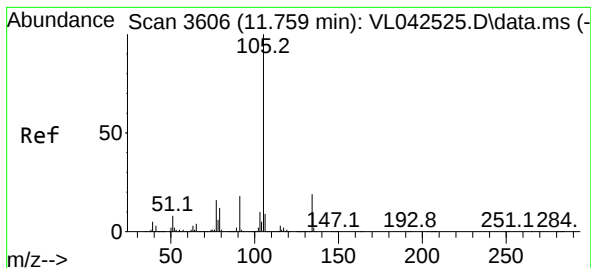
Reviewed By :Semsettin Yesilyurt 05/14/2025
Supervised By :Mahesh Dadoda 05/14/2025



#66
Benzyl Chloride
Concen: 17.633 ppbv
RT: 11.613 min Scan# 3561
Delta R.T. 0.006 min
Lab File: VL042533.D
Acq: 12 May 2025 14:28

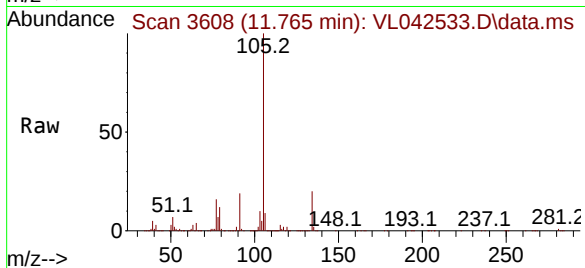
Tgt Ion: 91 Resp: 106741
Ion Ratio Lower Upper
91 100
126 17.9 13.7 20.5
128 6.3 4.2 6.2#





#67
 sec-Butylbenzene
 Concen: 17.089 ppbv
 RT: 11.765 min Scan# 3608
 Delta R.T. 0.006 min
 Lab File: VL042533.D
 Acq: 12 May 2025 14:28

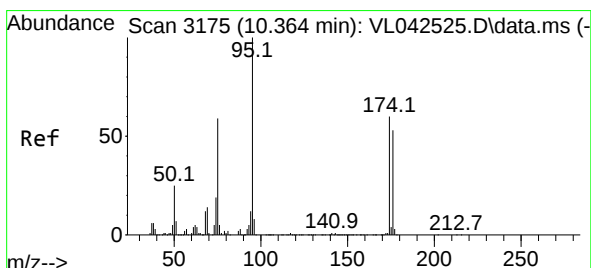
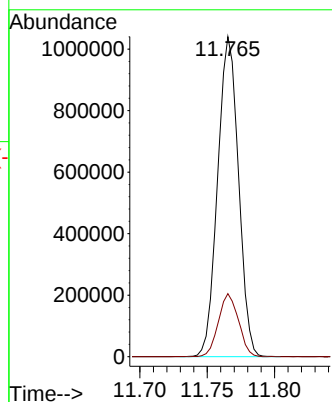
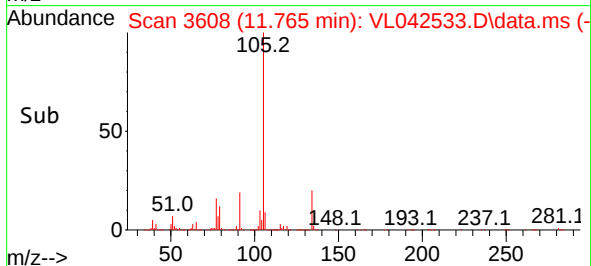
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015



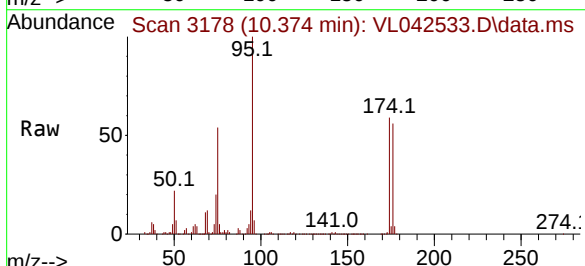
Tgt Ion:105 Resp: 1120950
 Ion Ratio Lower Upper
 105 100
 134 19.0 14.9 22.3

Manual Integrations
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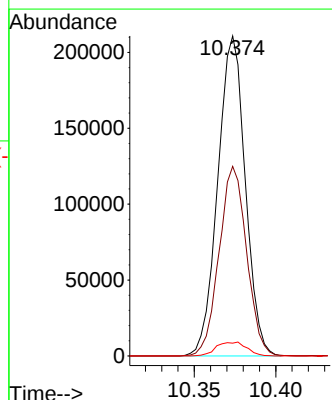
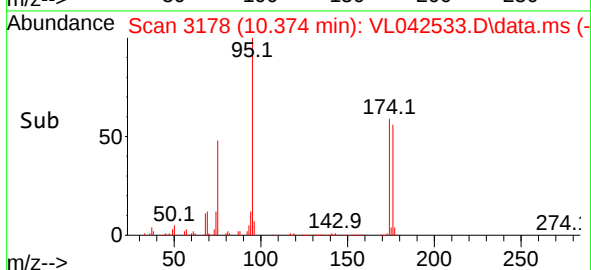
Reviewed By :Semsettin Yesilyurt 05/14/2025
 Supervised By :Mahesh Dadoda 05/14/2025

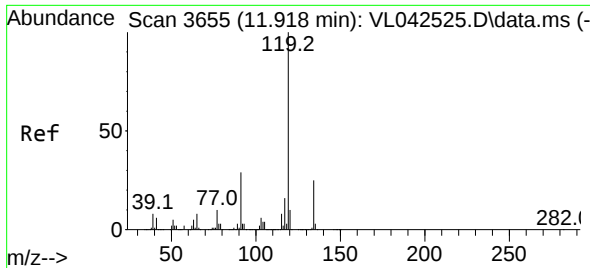


#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.136 ppbv
 RT: 10.374 min Scan# 3178
 Delta R.T. 0.009 min
 Lab File: VL042533.D
 Acq: 12 May 2025 14:28



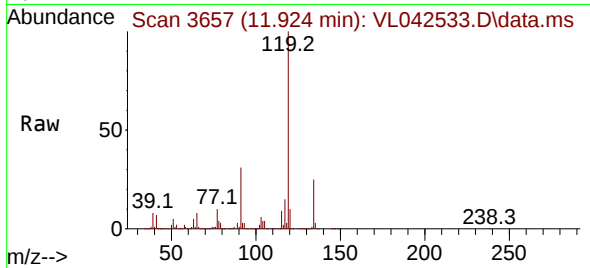
Tgt Ion: 95 Resp: 246798
 Ion Ratio Lower Upper
 95 100
 174 59.5 48.0 72.0
 175 4.8 3.5 5.3





#69
p-Isopropyltoluene
Concen: 18.247 ppbv
RT: 11.924 min Scan# 3657
Delta R.T. 0.006 min
Lab File: VL042533.D
Acq: 12 May 2025 14:28

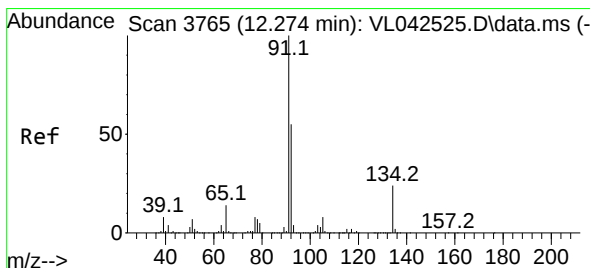
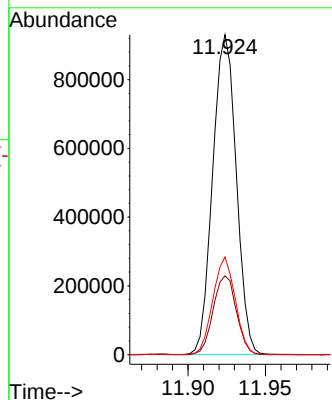
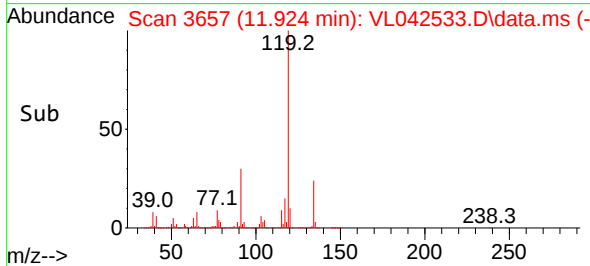
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



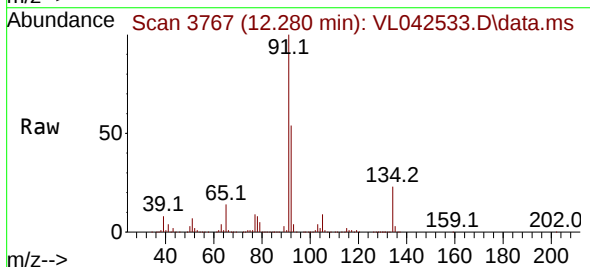
Tgt Ion: 119 Resp: 983988
Ion Ratio Lower Upper
119 100
134 24.3 19.8 29.6
91 29.2 23.6 35.4

Manual Integrations
APPROVED

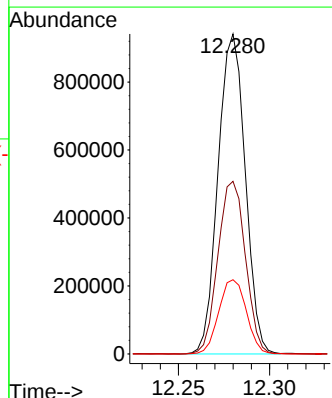
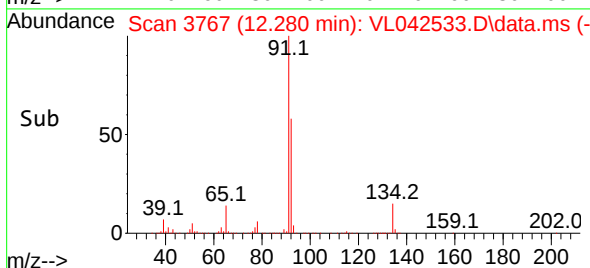
Reviewed By :Semsettin Yesilyurt 05/14/2025
Supervised By :Mahesh Dadoda 05/14/2025

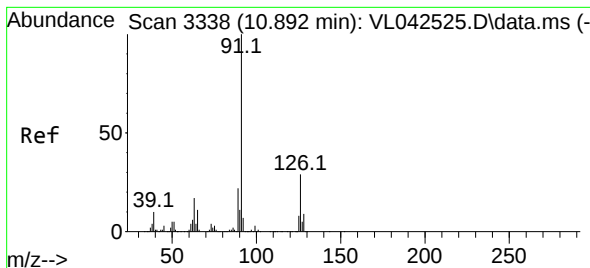


#70
n-Butylbenzene
Concen: 18.295 ppbv
RT: 12.280 min Scan# 3767
Delta R.T. 0.006 min
Lab File: VL042533.D
Acq: 12 May 2025 14:28



Tgt Ion: 91 Resp: 974868
Ion Ratio Lower Upper
91 100
92 54.8 43.7 65.5
134 23.6 18.9 28.3





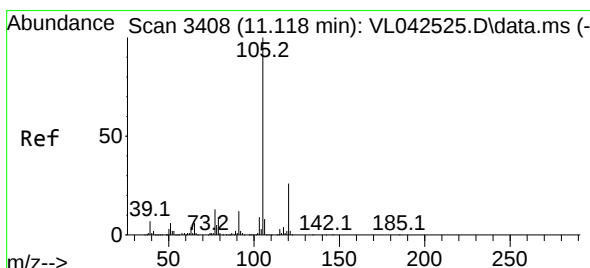
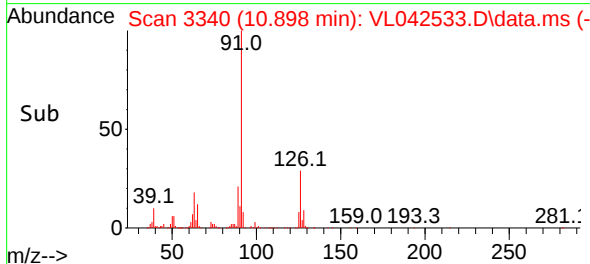
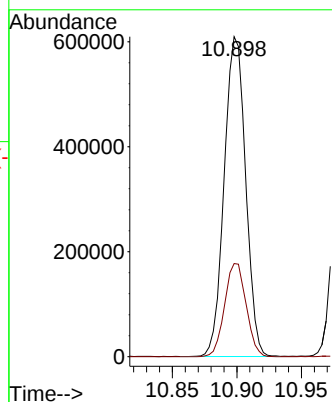
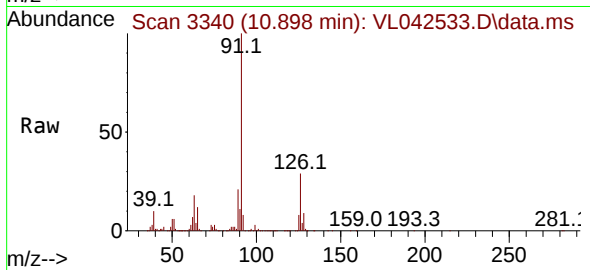
#71
2-Chlorotoluene
Concen: 18.636 ppbv
RT: 10.898 min Scan# 3100
Delta R.T. 0.006 min
Lab File: VL042533.D
Acq: 12 May 2025 14:28

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tgt Ion: 91 Resp: 70305
Ion Ratio Lower Upper
91 100
126 29.1 11.4 45.6

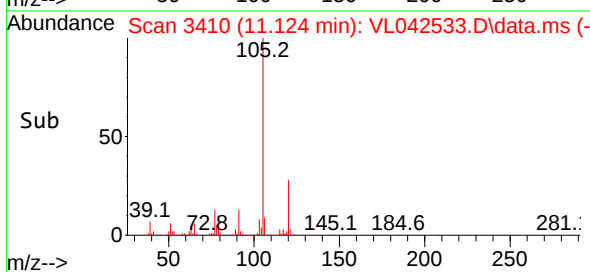
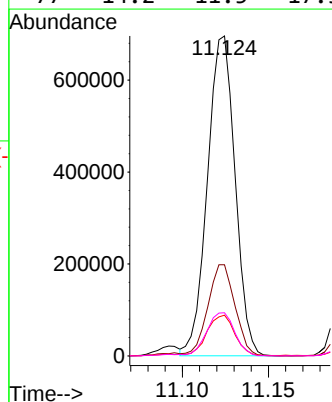
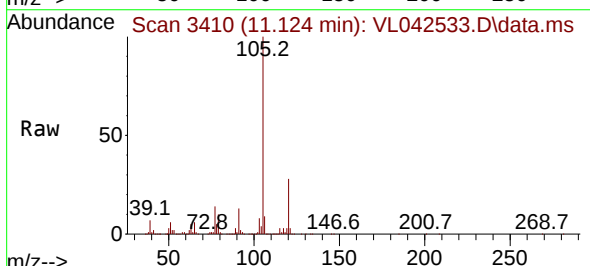
Manual Integrations
APPROVED

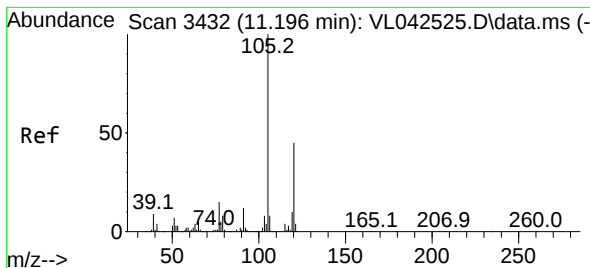
Reviewed By :Semsettin Yesilyurt 05/14/2025
Supervised By :Mahesh Dadoda 05/14/2025



#72
4-Ethyltoluene
Concen: 18.954 ppbv
RT: 11.124 min Scan# 3410
Delta R.T. 0.006 min
Lab File: VL042533.D
Acq: 12 May 2025 14:28

Tgt Ion:105 Resp: 777799
Ion Ratio Lower Upper
105 100
120 28.7 22.9 34.3
91 13.1 10.9 16.3
77 14.2 11.5 17.3





#73

1,3,5-Trimethylbenzene

Concen: 18.296 ppbv

RT: 11.202 min Scan# 3434

Delta R.T. 0.006 min

Lab File: VL042533.D

Acq: 12 May 2025 14:28

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tgt Ion:105 Resp: 654009

Ion Ratio Lower Upper

105 100

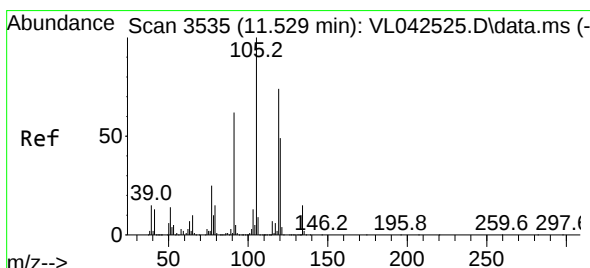
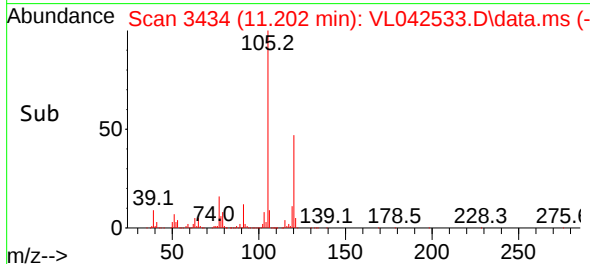
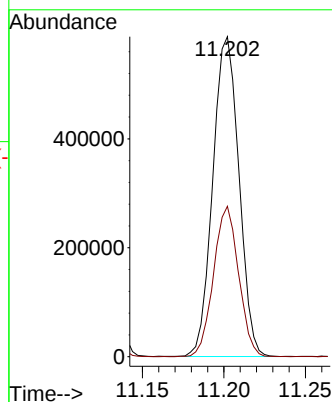
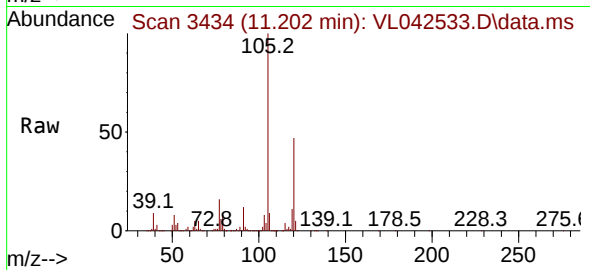
120 47.0 36.0 54.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/14/2025

Supervised By :Mahesh Dadoda 05/14/2025



#74

1,2,4-Trimethylbenzene

Concen: 16.496 ppbv

RT: 11.535 min Scan# 3537

Delta R.T. 0.006 min

Lab File: VL042533.D

Acq: 12 May 2025 14:28

Tgt Ion:105 Resp: 725454

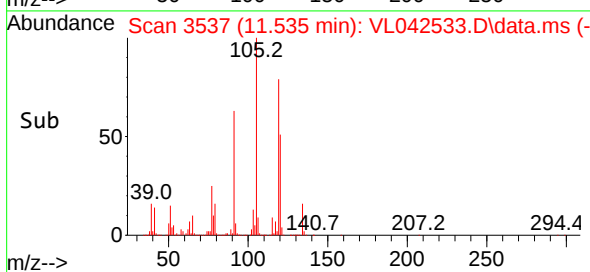
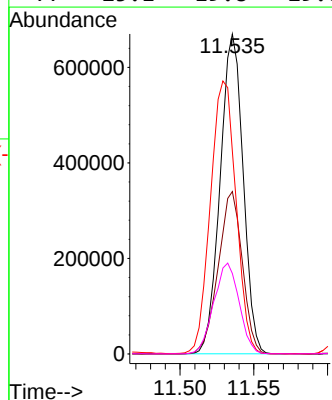
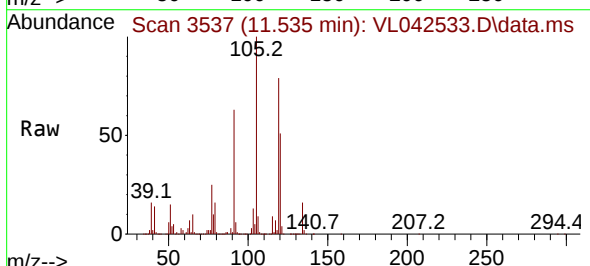
Ion Ratio Lower Upper

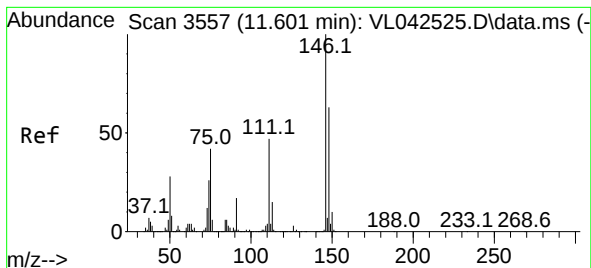
105 100

120 50.8 39.0 58.6

91 63.2 49.4 74.2

77 25.1 19.8 29.6





#75

1,3-Dichlorobenzene

Concen: 15.690 ppbv

RT: 11.607 min Scan# 3557

Delta R.T. 0.006 min

Lab File: VL042533.D

Acq: 12 May 2025 14:28

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tgt Ion:146 Resp: 432120

Ion Ratio Lower Upper

146 100

111 48.2 23.6 71.0

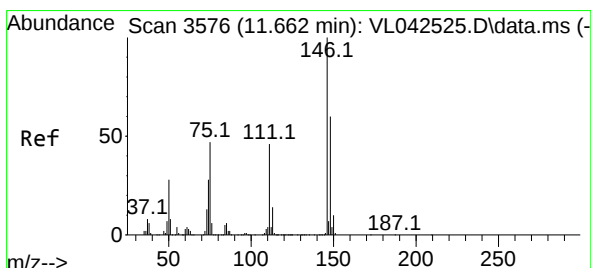
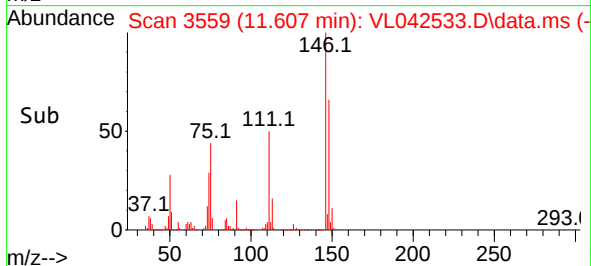
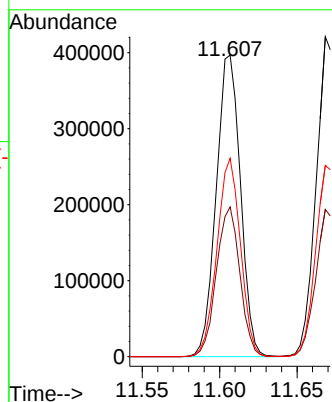
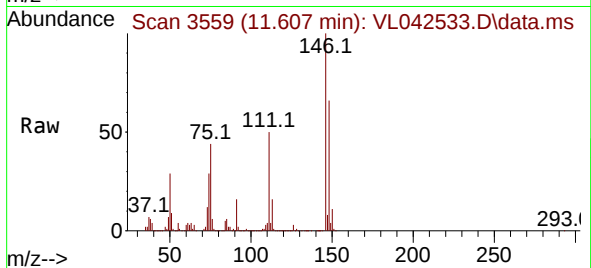
148 63.7 31.6 94.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/14/2025

Supervised By :Mahesh Dadoda 05/14/2025



#76

1,4-Dichlorobenzene

Concen: 16.387 ppbv

RT: 11.668 min Scan# 3578

Delta R.T. 0.006 min

Lab File: VL042533.D

Acq: 12 May 2025 14:28

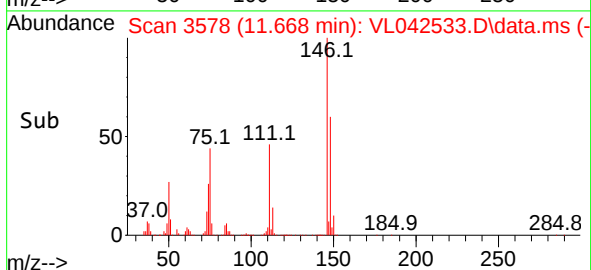
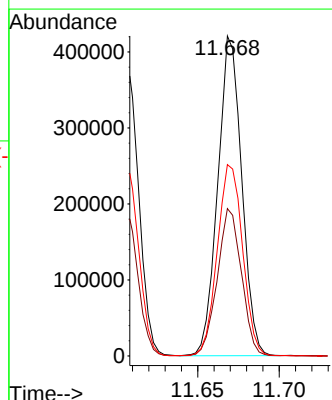
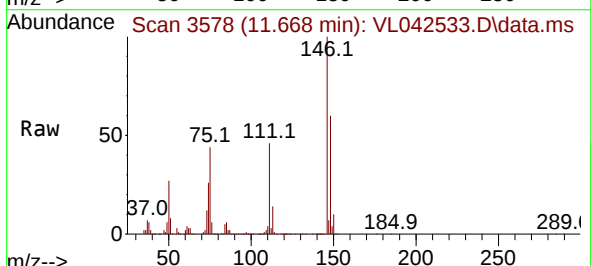
Tgt Ion:146 Resp: 429425

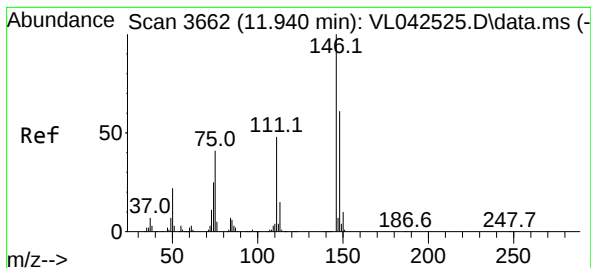
Ion Ratio Lower Upper

146 100

111 46.7 23.4 70.3

148 63.5 31.6 94.7





#77

1,2-Dichlorobenzene

Concen: 14.497 ppbv

RT: 11.947 min Scan# 3662

Delta R.T. 0.006 min

Lab File: VL042533.D

Acq: 12 May 2025 14:28

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC015

Tgt Ion:146 Resp: 41245

Ion Ratio Lower Upper

146 100

111 50.0 24.9 74.8

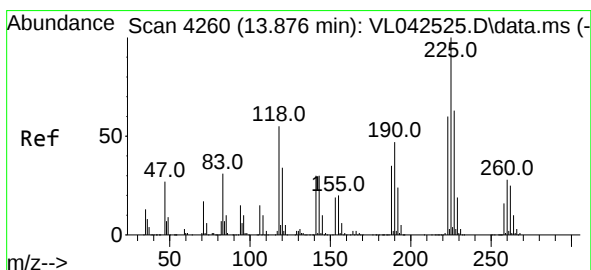
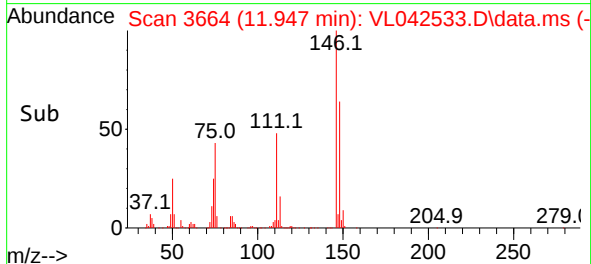
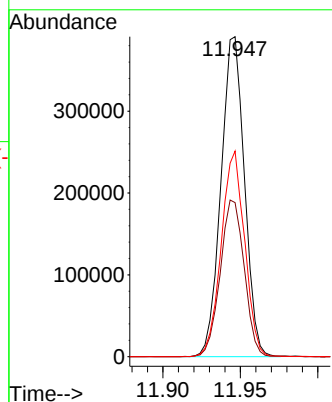
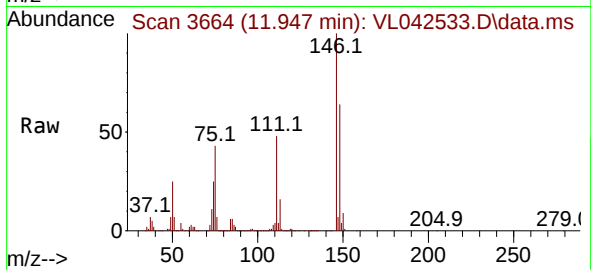
148 64.1 31.4 94.2

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 05/14/2025

Supervised By :Mahesh Dadoda 05/14/2025



#78

Hexachloro-1,3-Butadiene

Concen: 13.928 ppbv

RT: 13.879 min Scan# 4261

Delta R.T. 0.003 min

Lab File: VL042533.D

Acq: 12 May 2025 14:28

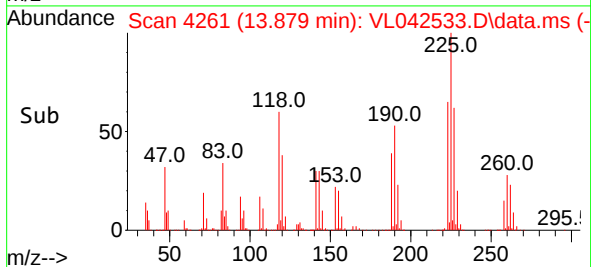
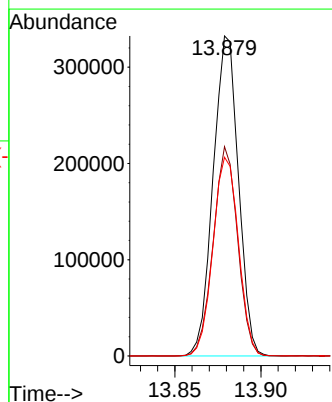
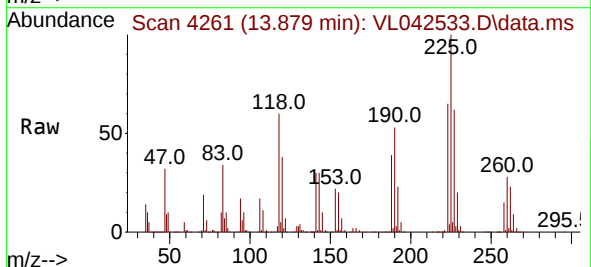
Tgt Ion:225 Resp: 339749

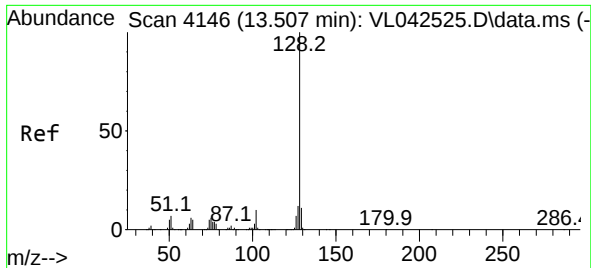
Ion Ratio Lower Upper

225 100

223 63.2 50.8 76.2

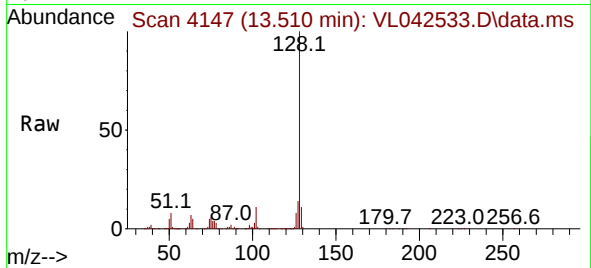
227 62.8 50.5 75.7





#79
Naphthalene
Concen: 23.333 ppbv
RT: 13.510 min Scan# 4146
Delta R.T. 0.003 min
Lab File: VL042533.D
Acq: 12 May 2025 14:28

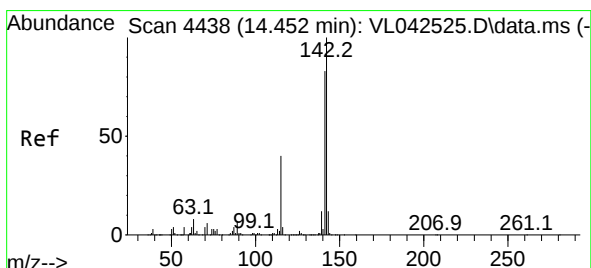
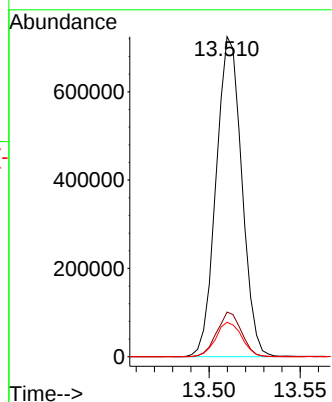
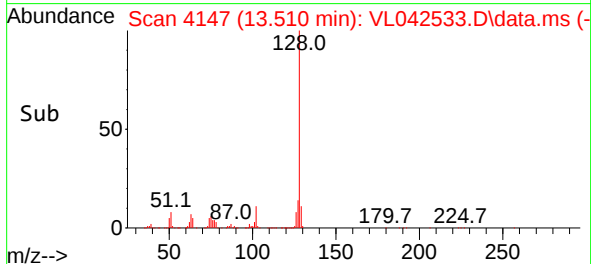
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



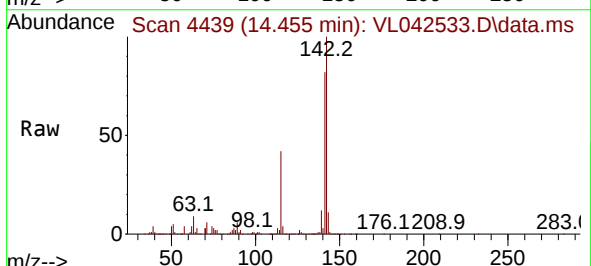
Tgt Ion:128 Resp: 708419
Ion Ratio Lower Upper
128 100
127 13.9 9.8 14.8
129 10.8 8.6 12.8

Manual Integrations
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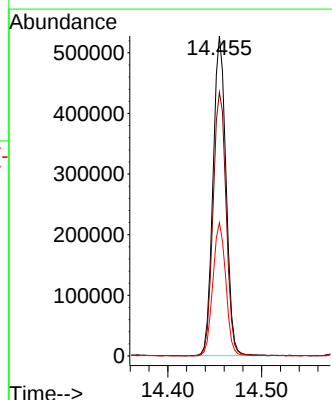
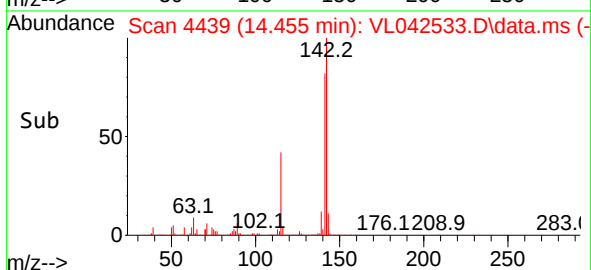
Reviewed By :Semsettin Yesilyurt 05/14/2025
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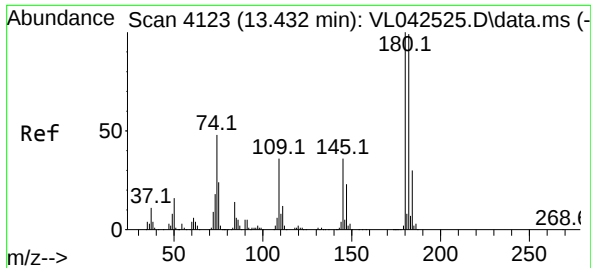


#80
Naphthalene,2-methyl-
Concen: 28.683 ppbv
RT: 14.455 min Scan# 4439
Delta R.T. 0.003 min
Lab File: VL042533.D
Acq: 12 May 2025 14:28



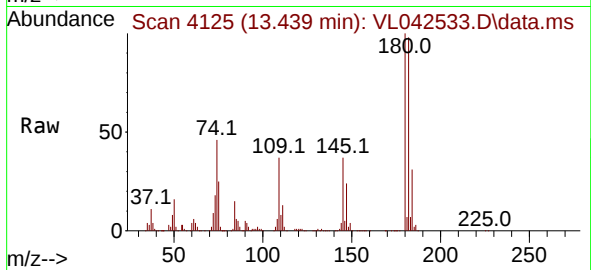
Tgt Ion:142 Resp: 506723
Ion Ratio Lower Upper
142 100
141 84.2 66.8 100.2
115 41.6 33.0 49.6





#81
 1,2,4-Trichlorobenzene
 Concen: 19.904 ppbv
 RT: 13.439 min Scan# 41
 Delta R.T. 0.006 min
 Lab File: VL042533.D
 Acq: 12 May 2025 14:28

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015



Tgt Ion:180 Resp: 368964
 Ion Ratio Lower Upper
 180 100
 182 95.7 76.6 114.8
 184 30.2 24.6 36.8

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 05/14/2025
 Supervised By :Mahesh Dadoda 05/14/2025

