

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072325\
 Data File : VL042749.D
 Acq On : 23 Jul 2025 10:08
 Operator : SY/MD
 Sample : VSTDICC001
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC001

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 07/24/2025
 Supervised By :Mahesh Dadoda 07/24/2025

Quant Time: Jul 24 04:57:36 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M

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

QLast Update : Thu Jul 24 04:55:41 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.784	49	156293	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.952	114	459770	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.875	117	410018	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.370 95 327673 10.091 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 100.900%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.496	85	20935	1.013	ppbv	93
3) Chlorodifluoromethane	1.473	51	27459	1.020	ppbv	99
4) Chloromethane	1.531	50	9047	1.082	ppbv	96
5) Vinyl Chloride	1.580	62	7432	0.900	ppbv	96
6) Bromomethane	1.667	94	3743	1.172	ppbv #	71
7) Chloroethane	1.703	64	3061	0.959	ppbv	99
8) Dichlorotetrafluoroethane	1.551	85	17668	1.040	ppbv	98
9) Propene	1.483	41	10346	1.057	ppbv	95
10) Heptane	4.975	43	26137m	0.993	ppbv	
11) Trichlorofluoromethane	1.874	101	22428	1.053	ppbv	98
12) 1,1,2-Trichlorotrifluo...	2.136	101	16608	1.026	ppbv	97
13) Ethanol	1.719	45	1620m	1.222	ppbv	
14) Bromoethene	1.780	108	5928	1.034	ppbv #	92
15) Acetone	1.832	43	23119	1.071	ppbv	94
16) 1,3-Butadiene	1.606	39	9416	1.023	ppbv	98
17) tert-Butyl alcohol	2.039	59	19926	1.024	ppbv #	93
18) 1,1-Dichloroethene	2.030	96	8276	1.132	ppbv	95
19) Isopropyl Alcohol	1.884	45	11942	1.041	ppbv #	42
20) Methylene Chloride	2.059	84	7153	1.052	ppbv	90
21) Allyl Chloride	2.091	41	13382	1.006	ppbv	92
22) trans-1,2-Dichloroethene	2.337	96	7909	1.007	ppbv	89
23) Vinyl Acetate	2.457	43	23472	0.897	ppbv #	91
24) 1,1-Dichloroethane	2.405	63	17459	1.081	ppbv	99
25) Ethyl Acetate	2.829	43	48790	1.021	ppbv	97
26) Hexane	2.823	57	22279	1.063	ppbv	98
27) Carbon Disulfide	2.146	76	18488	1.031	ppbv #	1
28) Methyl tert-Butyl Ether	2.434	73	9587	0.968	ppbv	90
29) Chloroform	2.845	83	32880	1.015	ppbv	95
30) Cyclohexane	3.852	84	17824	1.003	ppbv	97
31) cis-1,2-Dichloroethene	2.716	61	21979	1.021	ppbv	97
32) 1,1,1-Trichloroethane	3.363	97	32003	0.949	ppbv	97
34) 2-Butanone	2.554	43	32783	1.007	ppbv	98
35) Carbon Tetrachloride	3.758	117	32610	0.954	ppbv	92
36) Benzene	3.651	78	44638	1.024	ppbv	98
37) 1,2-Dichloroethane	3.211	62	26909	1.025	ppbv #	96
38) Trichloroethene	4.538	130	21122	1.005	ppbv	93
39) 1,2-Dichloropropane	4.305	63	16622	1.033	ppbv	94
40) 1,4-Dioxane	4.587	88	7811m	1.030	ppbv	
41) Tetrahydrofuran	3.056	42	16097	0.984	ppbv	97
42) Bromodichloromethane	4.480	83	34995m	1.023	ppbv	
43) Methyl Methacrylate	4.868	69	14886m	0.961	ppbv	
44) 2,2,4-Trimethylpentane	4.629	57	72865	1.026	ppbv	99
45) t-1,3-Dichloropropene	6.399	75	15641m	0.900	ppbv	

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072325\
 Data File : VL042749.D
 Acq On : 23 Jul 2025 10:08
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 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC001

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 07/24/2025
 Supervised By :Mahesh Dadoda 07/24/2025

Quant Time: Jul 24 04:57:36 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M

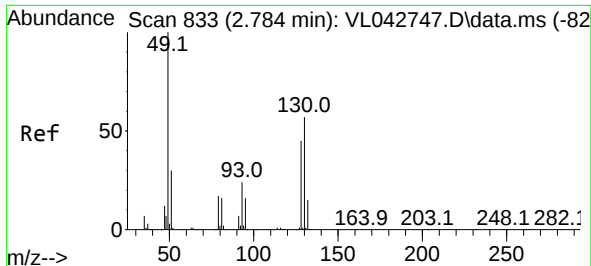
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Thu Jul 24 04:55:41 2025

Response via : Initial Calibration

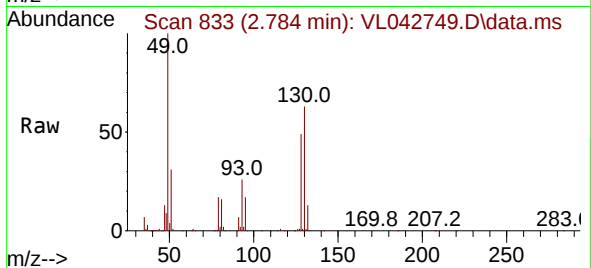
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.593	75	21088m	0.958	ppbv	
47) 1,1,2-Trichloroethane	6.574	97	17646	1.029	ppbv #	82
48) Dibromochloromethane	7.380	129	26259	0.965	ppbv	99
49) Bromoform	9.474	173	23083	0.973	ppbv	100
50) 4-Methyl-2-Pentanone	5.745	43	41715m	1.006	ppbv	
51) 2-Hexanone	7.435	43	29761	0.939	ppbv #	100
52) Tetrachloroethene	8.215	164	18131	1.001	ppbv	96
53) Toluene	6.927	91	45645	0.976	ppbv	98
54) 1,2-Dibromoethane	7.642	107	24427	1.007	ppbv	85
56) 1,1,1,2-Tetrachloroethane	8.920	131	21319	1.000	ppbv	94
57) Chlorobenzene	8.911	112	41788	1.053	ppbv #	85
58) Ethyl Benzene	9.351	91	63467	0.980	ppbv	98
59) m/p-Xylene	9.545	91	104545m	2.020	ppbv	
60) o-Xylene	9.959	91	52499	1.015	ppbv	99
61) Styrene	9.865	104	20313	0.934	ppbv	97
62) Isopropylbenzene	10.532	105	77278	1.013	ppbv	98
63) 1,1,2,2-Tetrachloroethane	9.956	83	32591	0.967	ppbv	100
64) n-propylbenzene	10.985	120	20073	1.009	ppbv	95
65) tert-Butylbenzene	11.526	119	68428	1.010	ppbv	95
66) Benzyl Chloride	11.610	91	4700	0.845	ppbv	96
67) sec-Butylbenzene	11.762	105	101458	1.053	ppbv	99
69) p-Isopropyltoluene	11.921	119	78186	0.995	ppbv	98
70) n-Butylbenzene	12.277	91	74257	0.978	ppbv	98
71) 2-Chlorotoluene	10.895	91	59193	1.012	ppbv	100
72) 4-Ethyltoluene	11.121	105	61199	0.991	ppbv	99
73) 1,3,5-Trimethylbenzene	11.199	105	48901	0.962	ppbv	99
74) 1,2,4-Trimethylbenzene	11.532	105	55153	0.994	ppbv	97
75) 1,3-Dichlorobenzene	11.600	146	39753	1.022	ppbv	97
76) 1,4-Dichlorobenzene	11.665	146	38018	0.999	ppbv	98
77) 1,2-Dichlorobenzene	11.943	146	40835	1.068	ppbv	98
78) Hexachloro-1,3-Butadiene	13.876	225	37228	1.076	ppbv	98
79) Naphthalene	13.510	128	29792	0.907	ppbv	97
80) Naphthalene,2-methyl-	14.449	142	1950	1.184	ppbv #	78
81) 1,2,4-Trichlorobenzene	13.435	180	21929	1.053	ppbv	98

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



#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.784 min Scan# 833
Delta R.T. -0.000 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

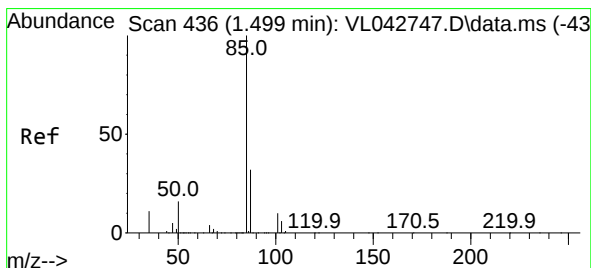
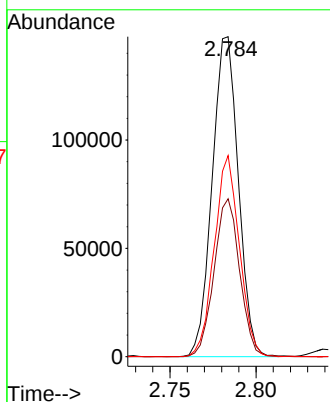
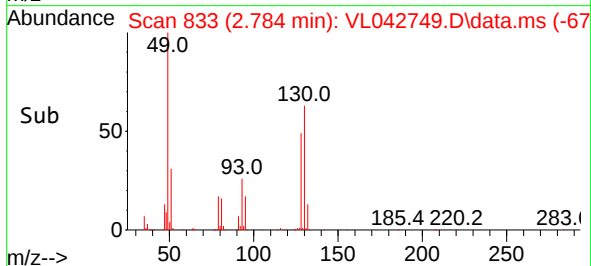
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



Tgt Ion: 49 Resp: 156293
Ion Ratio Lower Upper
49 100
128 48.2 23.6 71.0
130 60.4 30.3 90.8

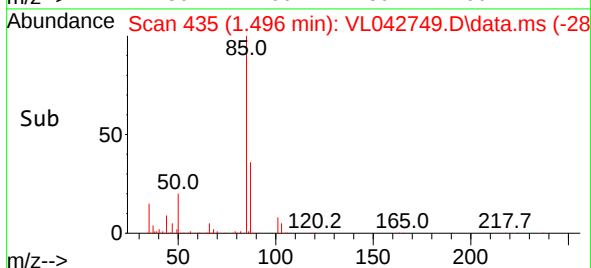
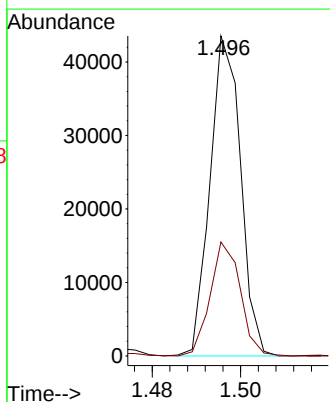
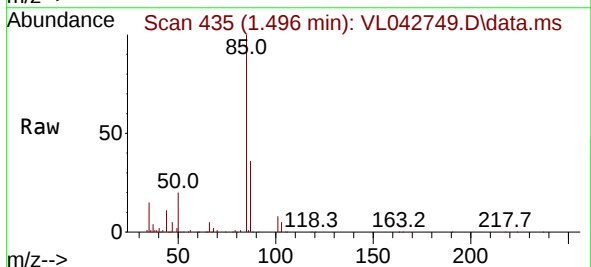
Manual Integrations
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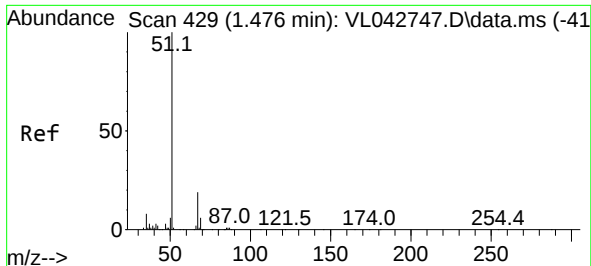
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025



#2
Dichlorodifluoromethane
Concen: 1.013 ppbv
RT: 1.496 min Scan# 435
Delta R.T. -0.003 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

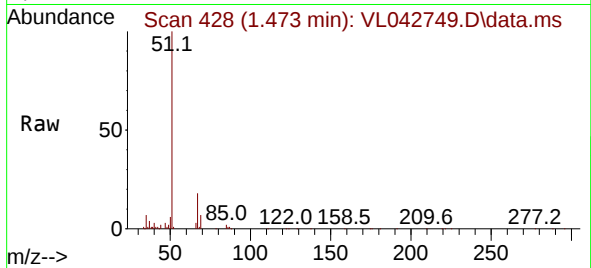
Tgt Ion: 85 Resp: 20935
Ion Ratio Lower Upper
85 100
87 35.6 25.4 38.2





#3
Chlorodifluoromethane
Concen: 1.020 ppbv
RT: 1.473 min Scan# 429
Delta R.T. -0.003 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

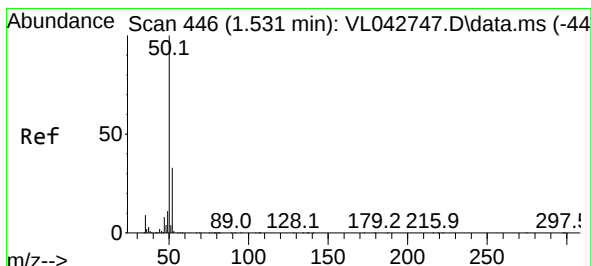
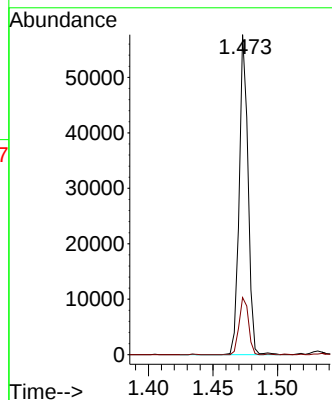
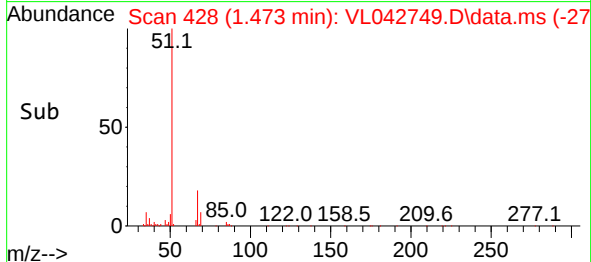
Instrument : MSVOA_L
ClientSampleId : VSTDIC001



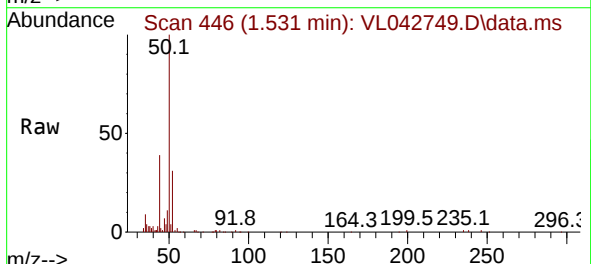
Tgt Ion: 51 Resp: 27459
Ion Ratio Lower Upper
51 100
67 19.3 15.0 22.6

Manual Integrations
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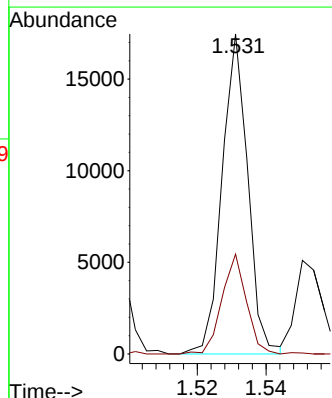
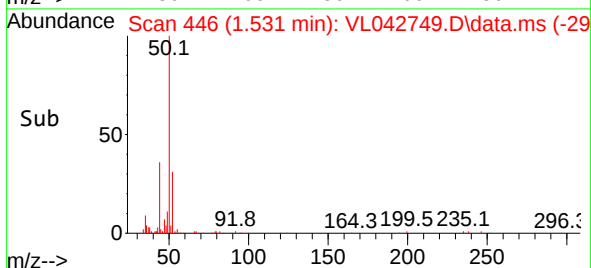
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

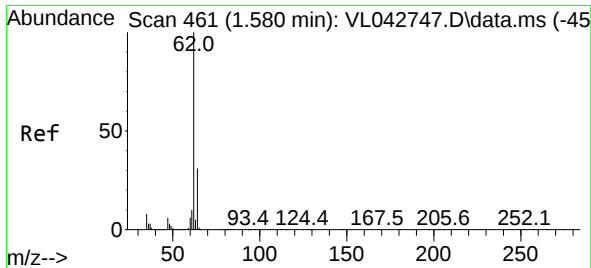


#4
Chloromethane
Concen: 1.082 ppbv
RT: 1.531 min Scan# 446
Delta R.T. -0.000 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08



Tgt Ion: 50 Resp: 9047
Ion Ratio Lower Upper
50 100
52 31.2 26.6 40.0





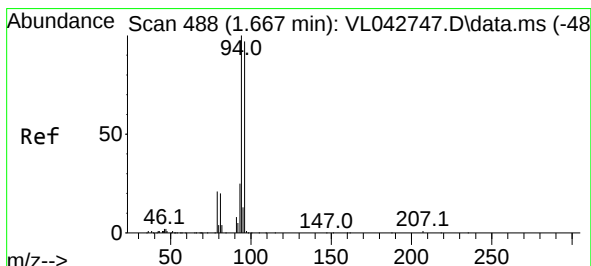
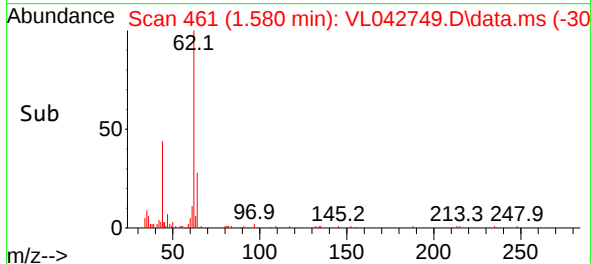
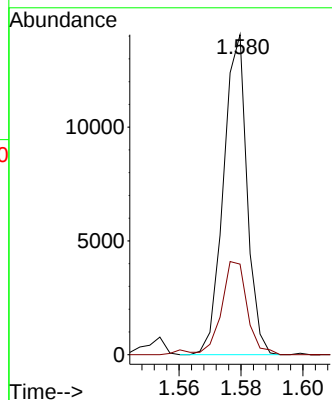
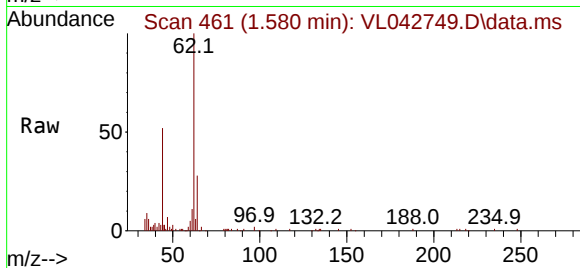
#5
 Vinyl Chloride
 Concen: 0.900 ppbv
 RT: 1.580 min Scan# 461
 Delta R.T. -0.000 min
 Lab File: VL042749.D
 Acq: 23 Jul 2025 10:08

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC001

Tgt Ion: 62 Resp: 7432
 Ion Ratio Lower Upper
 62 100
 64 28.3 24.5 36.7

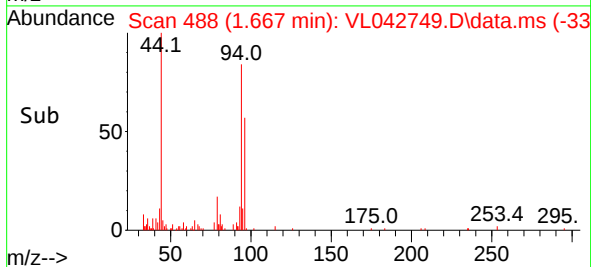
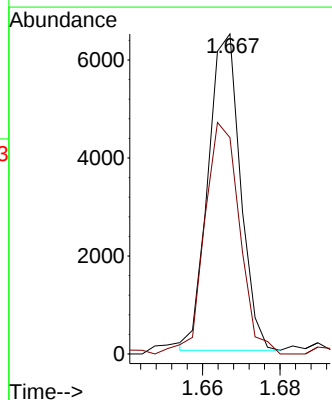
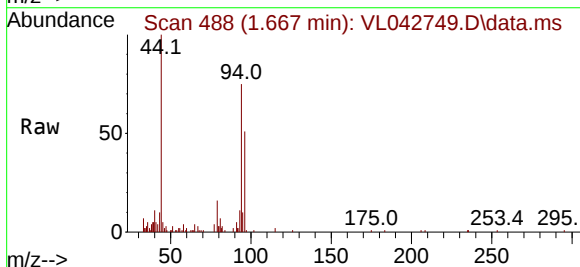
Manual Integrations
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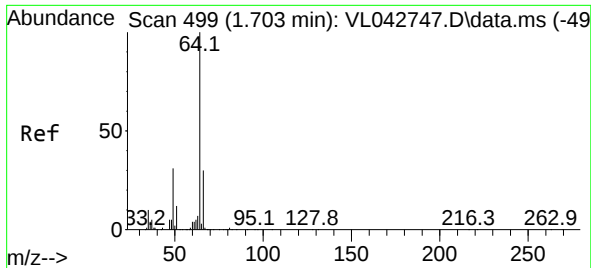
Reviewed By :Semsettin Yesilyurt 07/24/2025
 Supervised By :Mahesh Dadoda 07/24/2025



#6
 Bromomethane
 Concen: 1.172 ppbv
 RT: 1.667 min Scan# 488
 Delta R.T. -0.000 min
 Lab File: VL042749.D
 Acq: 23 Jul 2025 10:08

Tgt Ion: 94 Resp: 3743
 Ion Ratio Lower Upper
 94 100
 96 68.4 77.6 116.4#





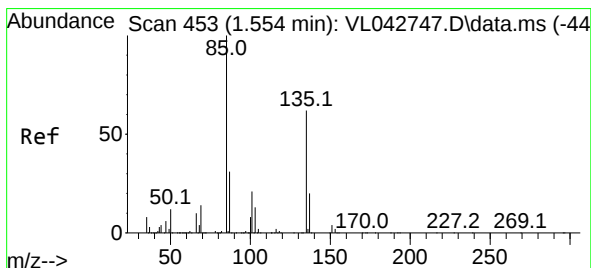
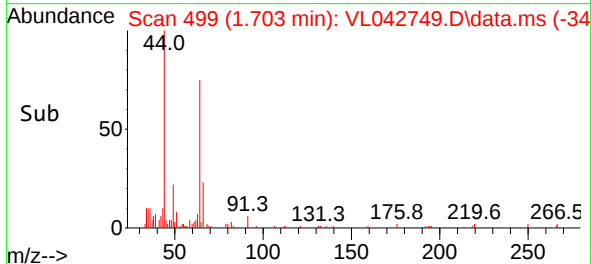
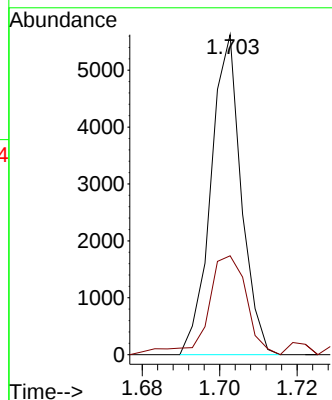
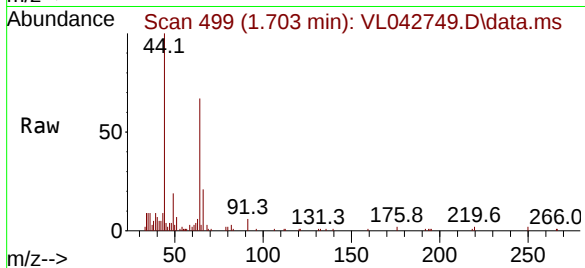
#7
Chloroethane
Concen: 0.959 ppbv
RT: 1.703 min Scan# 499
Delta R.T. -0.000 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion: 64 Resp: 306
Ion Ratio Lower Upper
64 100
66 30.9 24.1 36.1

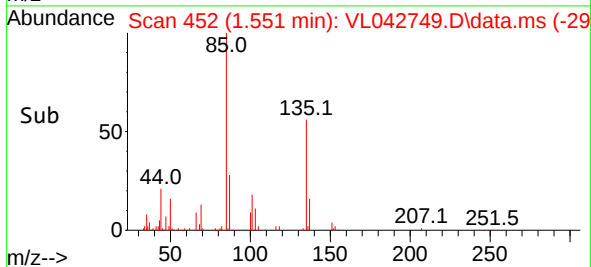
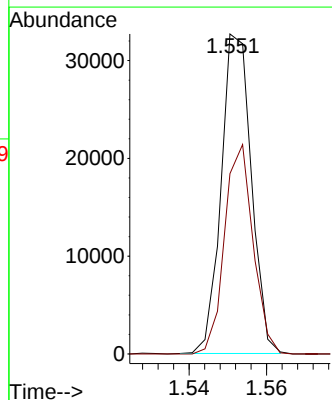
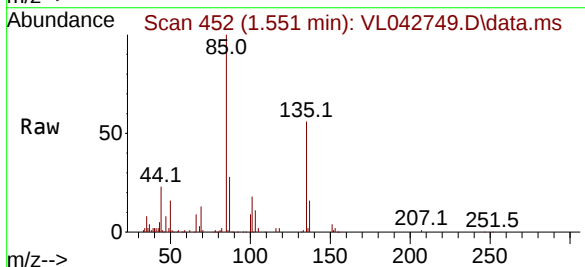
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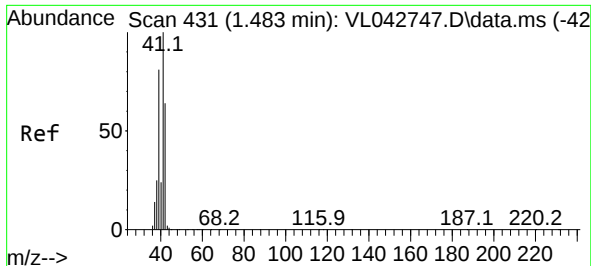
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025



#8
Dichlorotetrafluoroethane
Concen: 1.040 ppbv
RT: 1.551 min Scan# 452
Delta R.T. -0.003 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion: 85 Resp: 17668
Ion Ratio Lower Upper
85 100
135 62.1 50.6 76.0





#9

Propene

Concen: 1.057 ppbv

RT: 1.483 min Scan# 41

Delta R.T. -0.000 min

Lab File: VL042749.D

Acq: 23 Jul 2025 10:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC001

Tgt Ion: 41 Resp: 10340

Ion Ratio Lower Upper

41 100

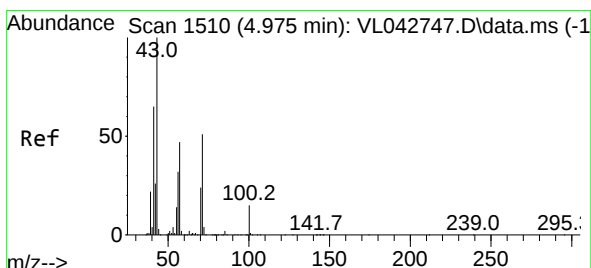
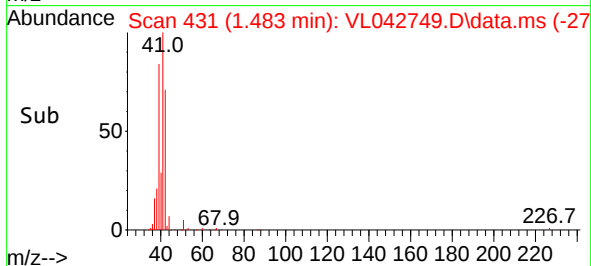
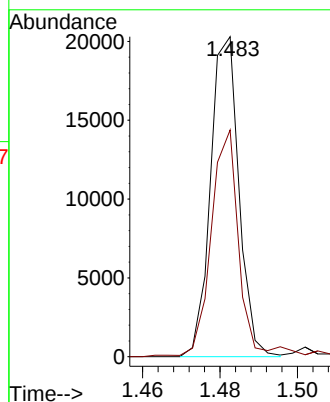
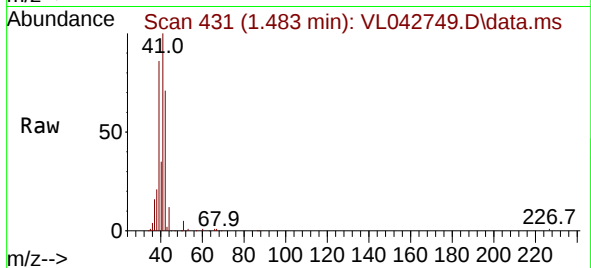
42 70.5 53.2 79.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/24/2025

Supervised By :Mahesh Dadoda 07/24/2025



#10

Heptane

Concen: 0.993 ppbv m

RT: 4.975 min Scan# 1510

Delta R.T. -0.000 min

Lab File: VL042749.D

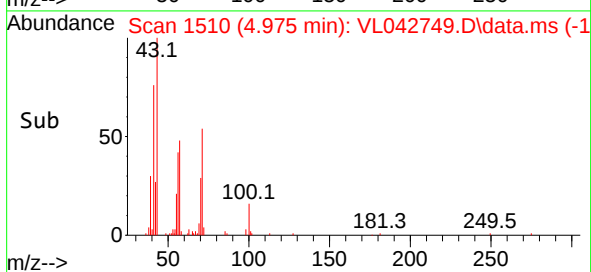
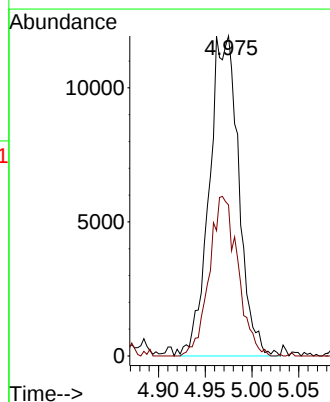
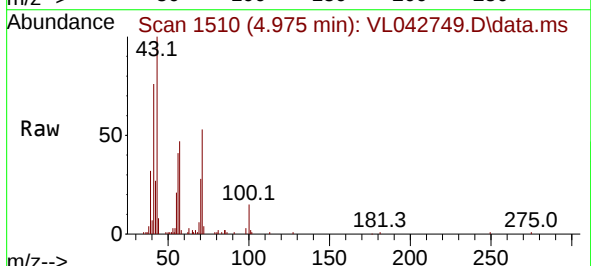
Acq: 23 Jul 2025 10:08

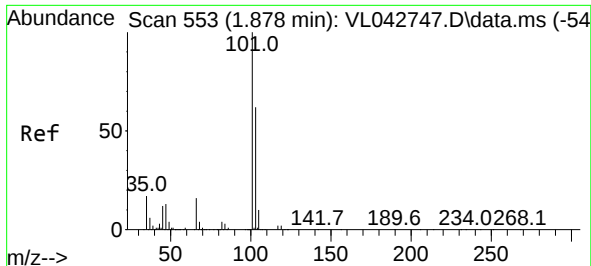
Tgt Ion: 43 Resp: 26137

Ion Ratio Lower Upper

43 100

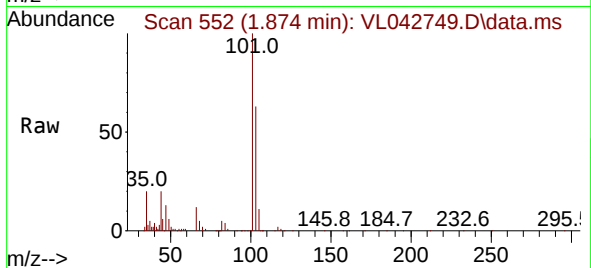
57 48.5 39.9 59.9





#11
 Trichlorofluoromethane
 Concen: 1.053 ppbv
 RT: 1.874 min Scan# 511
 Delta R.T. -0.003 min
 Lab File: VL042749.D
 Acq: 23 Jul 2025 10:08

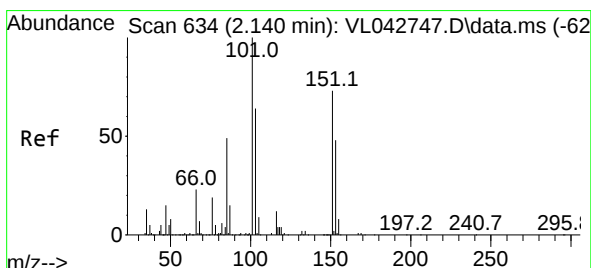
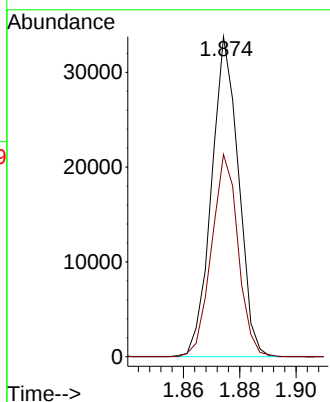
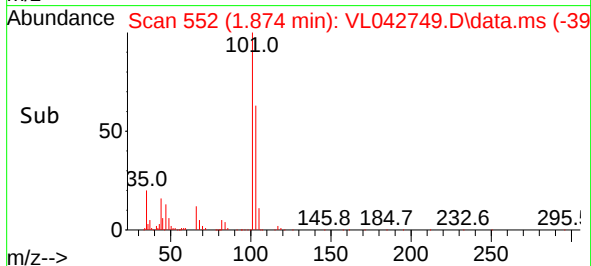
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001



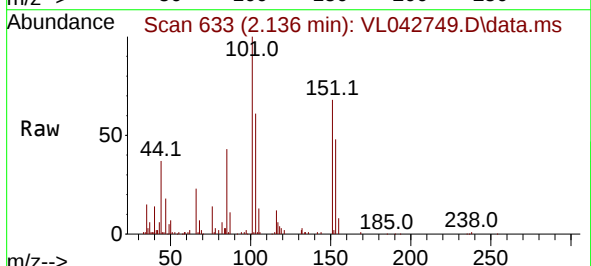
Tgt Ion:101 Resp: 22428
 Ion Ratio Lower Upper
 101 100
 103 63.2 49.6 74.4

Manual Integrations
 APPROVED

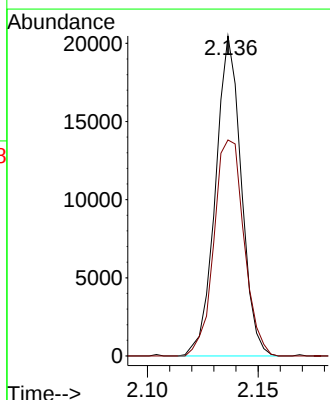
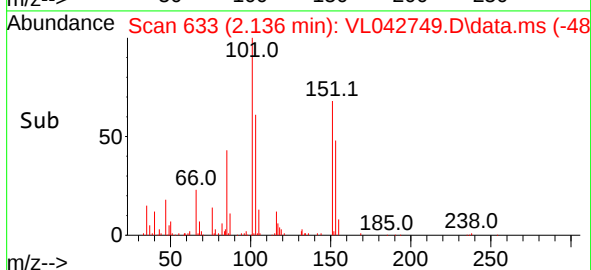
Reviewed By :Semsettin Yesilyurt 07/24/2025
 Supervised By :Mahesh Dadoda 07/24/2025

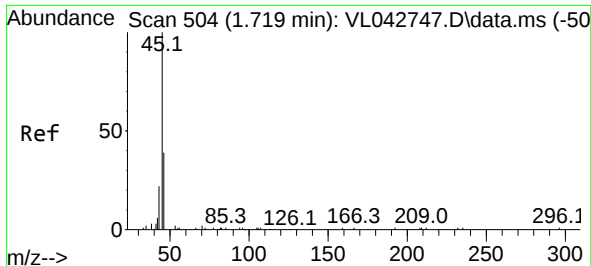


#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 1.026 ppbv
 RT: 2.136 min Scan# 633
 Delta R.T. -0.003 min
 Lab File: VL042749.D
 Acq: 23 Jul 2025 10:08



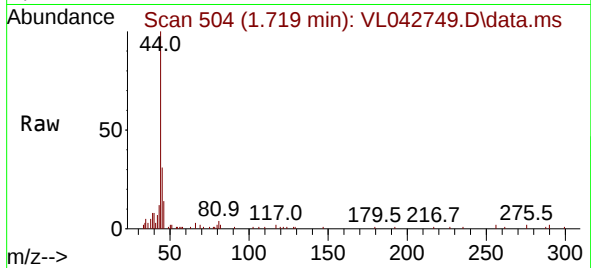
Tgt Ion:101 Resp: 16608
 Ion Ratio Lower Upper
 101 100
 151 78.6 60.5 90.7





#13
Ethanol
Concen: 1.222 ppbv m
RT: 1.719 min Scan# 504
Delta R.T. -0.000 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

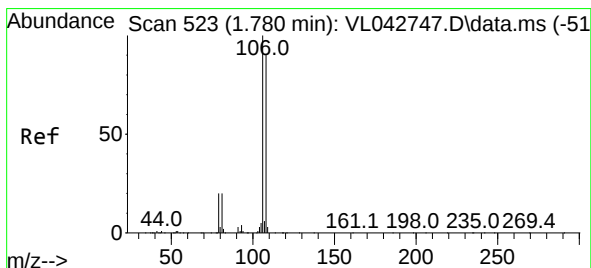
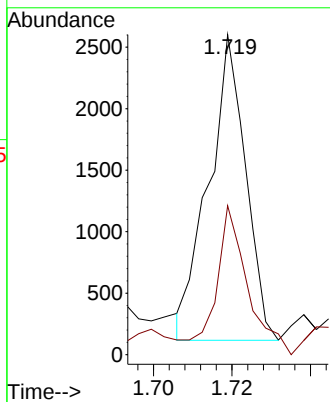
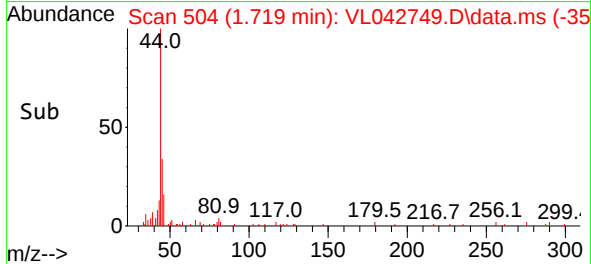
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



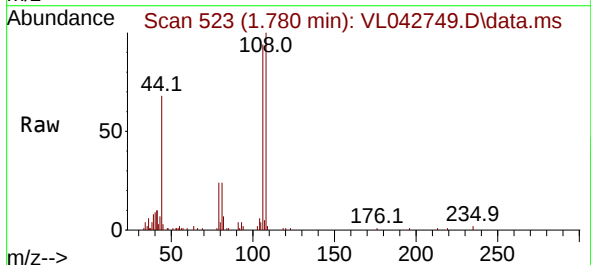
Tgt Ion: 45 Resp: 1620
Ion Ratio Lower Upper
45 100
46 38.4 17.8 71.4

Manual Integrations
APPROVED

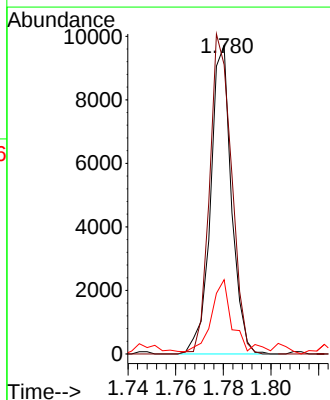
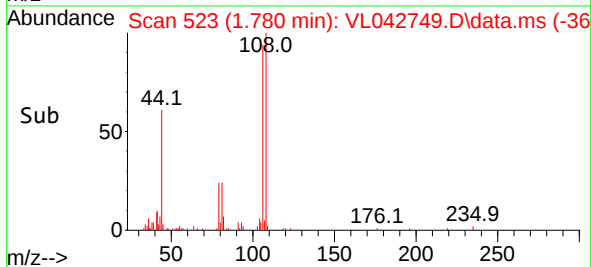
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

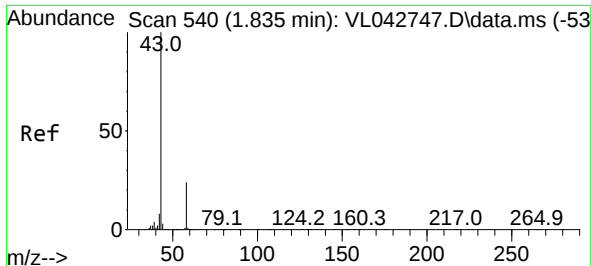


#14
Bromoethene
Concen: 1.034 ppbv
RT: 1.780 min Scan# 523
Delta R.T. -0.000 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08



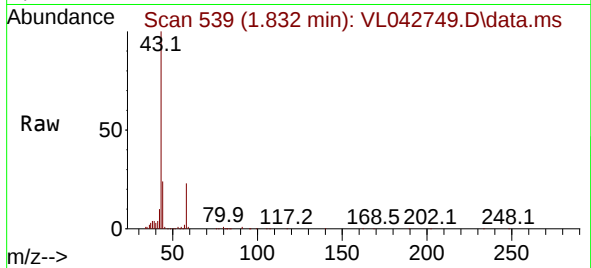
Tgt Ion:108 Resp: 5928
Ion Ratio Lower Upper
108 100
106 108.7 84.7 127.1
79 38.6 17.4 26.2#





#15
Acetone
Concen: 1.071 ppbv
RT: 1.832 min Scan# 511
Delta R.T. -0.003 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

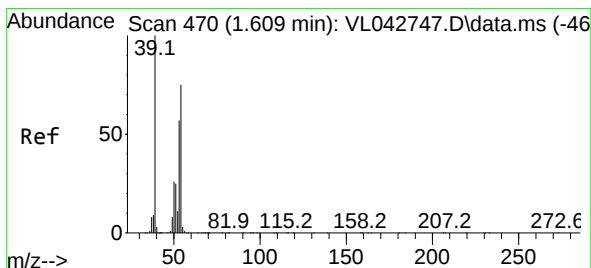
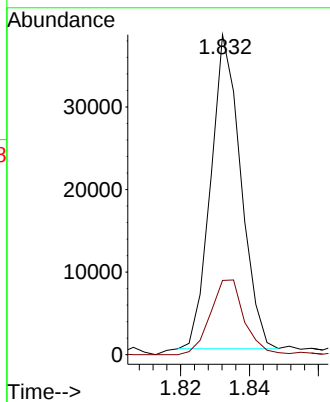
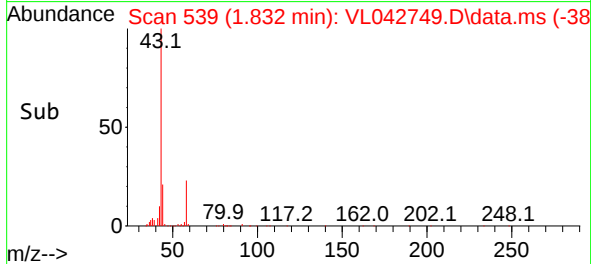
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



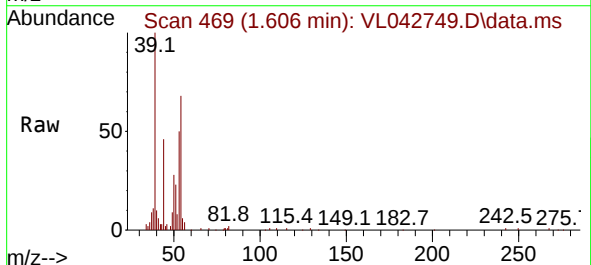
Tgt Ion: 43 Resp: 23119
Ion Ratio Lower Upper
43 100
58 27.7 19.8 29.8

Manual Integrations
APPROVED

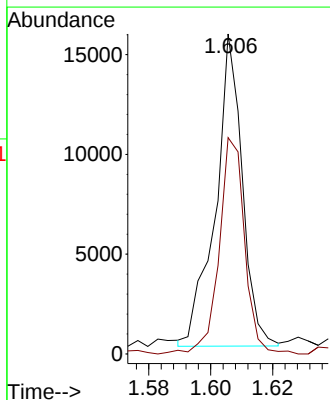
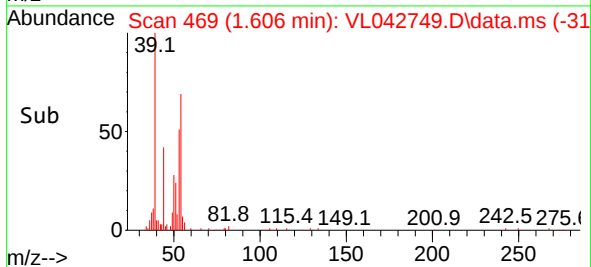
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

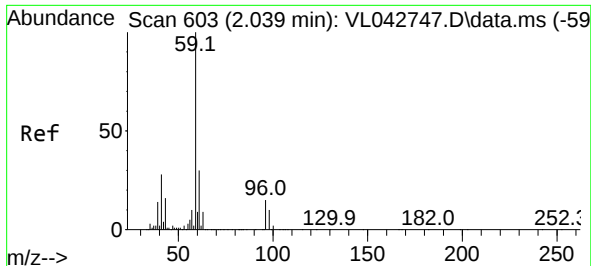


#16
1,3-Butadiene
Concen: 1.023 ppbv
RT: 1.606 min Scan# 469
Delta R.T. -0.003 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08



Tgt Ion: 39 Resp: 9416
Ion Ratio Lower Upper
39 100
54 69.7 54.5 81.7





#17

tert-Butyl alcohol

Concen: 1.024 ppbv

RT: 2.039 min Scan# 603

Delta R.T. -0.000 min

Lab File: VL042749.D

Acq: 23 Jul 2025 10:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC001

Tgt Ion: 59 Resp: 19920

Ion Ratio Lower Upper

59 100

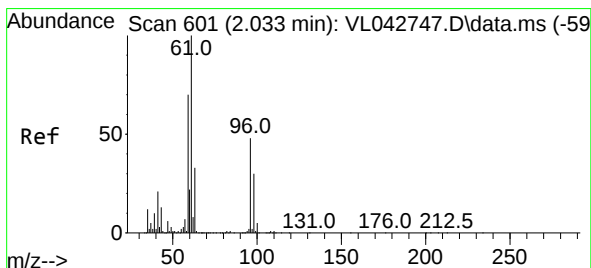
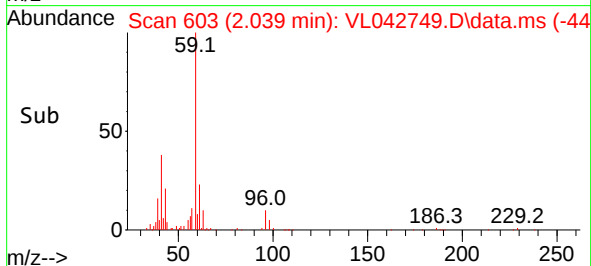
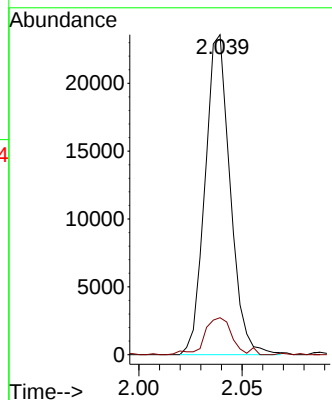
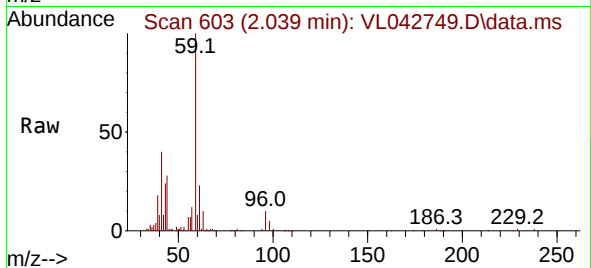
57 12.9 8.3 12.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/24/2025

Supervised By :Mahesh Dadoda 07/24/2025



#18

1,1-Dichloroethene

Concen: 1.132 ppbv

RT: 2.030 min Scan# 600

Delta R.T. -0.003 min

Lab File: VL042749.D

Acq: 23 Jul 2025 10:08

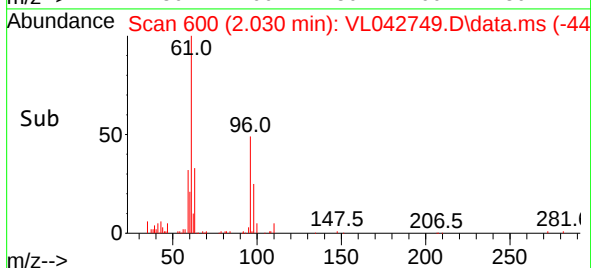
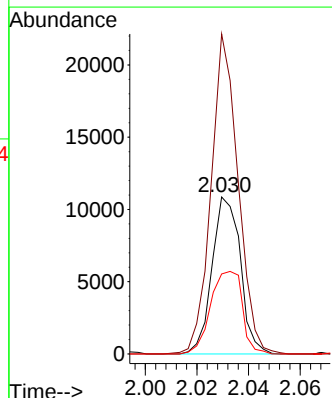
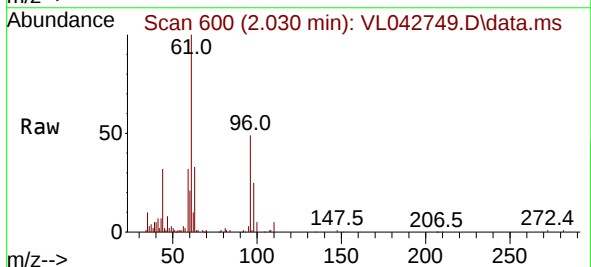
Tgt Ion: 96 Resp: 8276

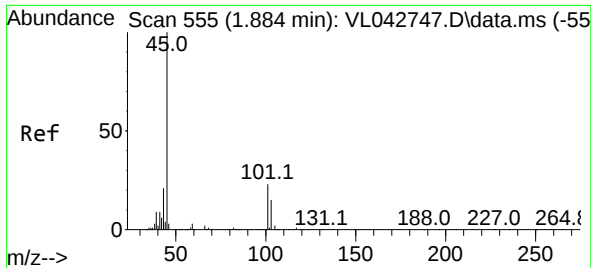
Ion Ratio Lower Upper

96 100

61 203.0 165.8 248.6

98 51.0 49.9 74.9





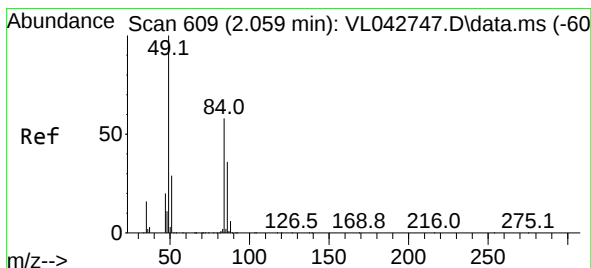
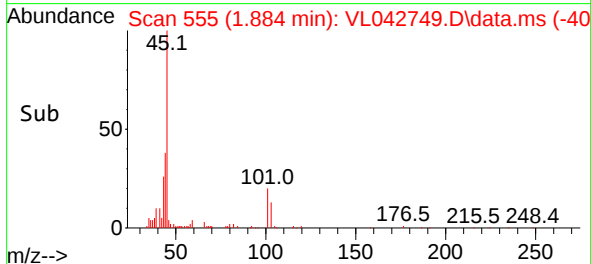
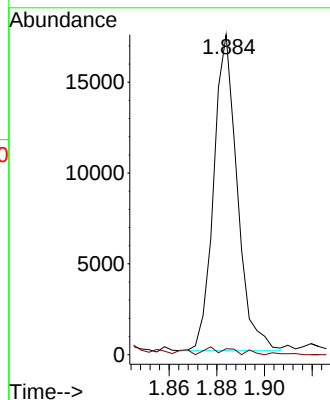
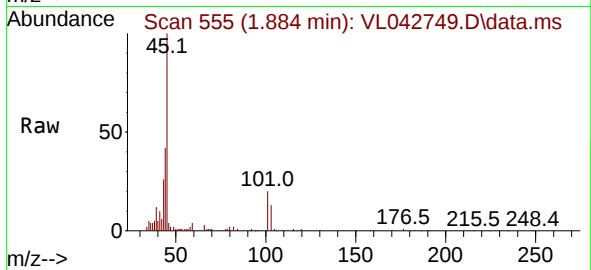
#19
Isopropyl Alcohol
Concen: 1.041 ppbv
RT: 1.884 min Scan# 555
Delta R.T. -0.000 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion: 45 Resp: 1194
Ion Ratio Lower Upper
45 100
58 2.8 30.0 45.0

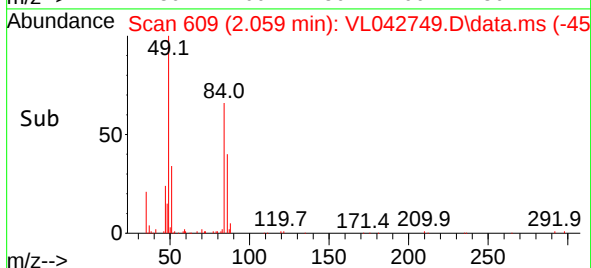
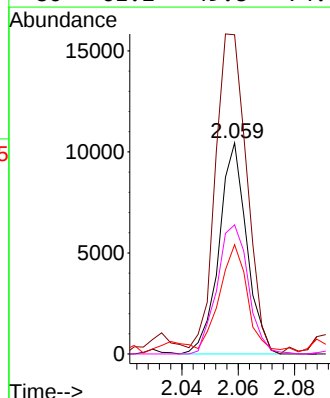
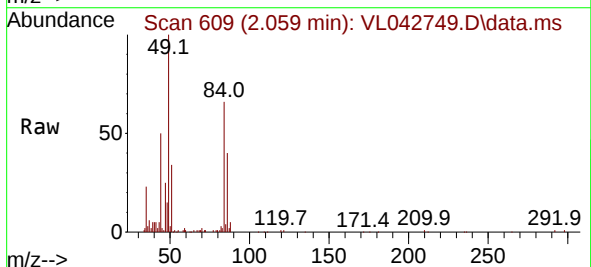
Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025



#20
Methylene Chloride
Concen: 1.052 ppbv
RT: 2.059 min Scan# 609
Delta R.T. -0.000 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

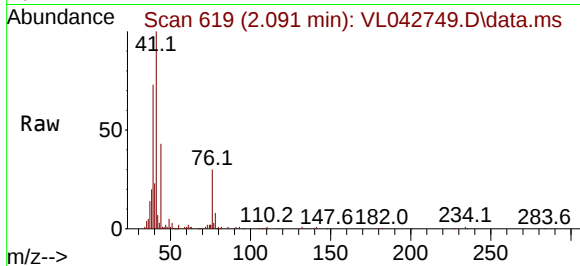
Tgt Ion: 84 Resp: 7153
Ion Ratio Lower Upper
84 100
49 151.3 138.6 208.0
51 50.2 40.6 61.0
86 61.2 49.8 74.8





#21
 Allyl Chloride
 Concen: 1.006 ppbv
 RT: 2.091 min Scan# 619
 Delta R.T. -0.003 min
 Lab File: VL042749.D
 Acq: 23 Jul 2025 10:08

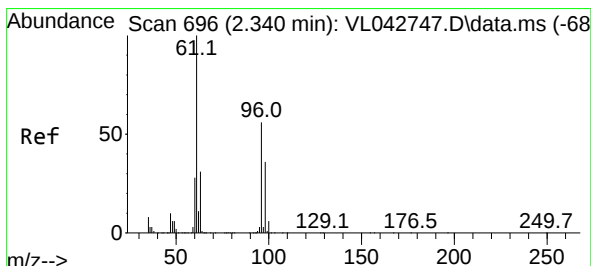
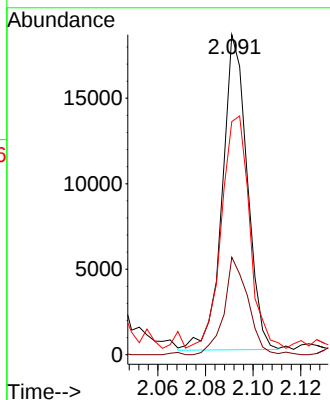
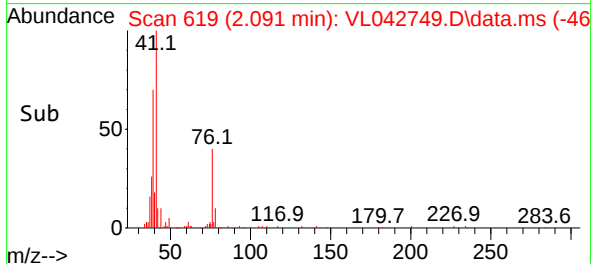
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001



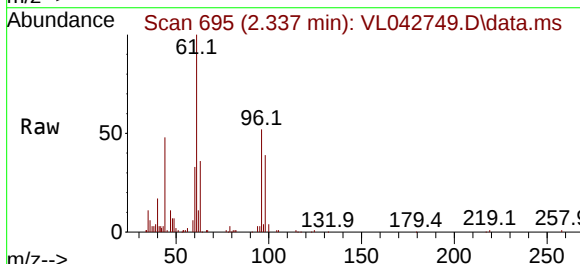
Tgt Ion: 41 Resp: 1338
 Ion Ratio Lower Upper
 41 100
 76 30.1 21.1 31.7
 39 93.4 68.3 102.5

Manual Integrations
 APPROVED

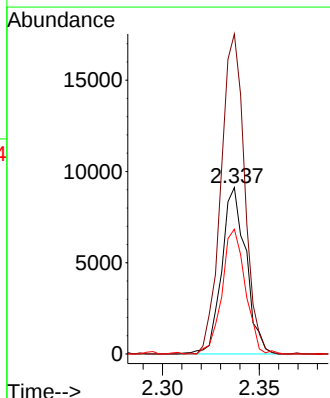
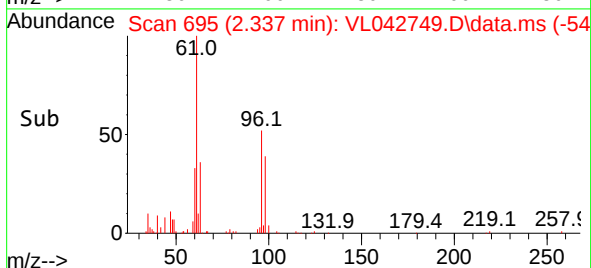
Reviewed By :Semsettin Yesilyurt 07/24/2025
 Supervised By :Mahesh Dadoda 07/24/2025

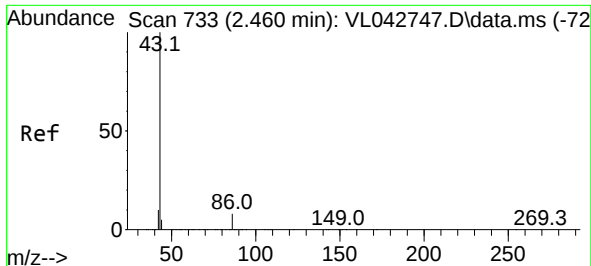


#22
 trans-1,2-Dichloroethene
 Concen: 1.007 ppbv
 RT: 2.337 min Scan# 695
 Delta R.T. -0.003 min
 Lab File: VL042749.D
 Acq: 23 Jul 2025 10:08



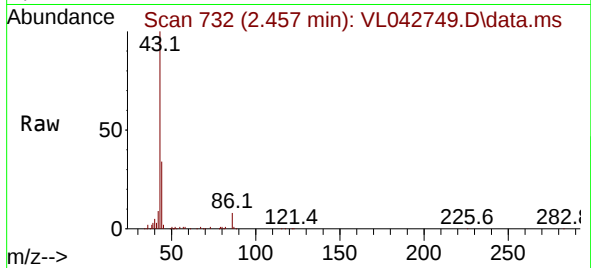
Tgt Ion: 96 Resp: 7909
 Ion Ratio Lower Upper
 96 100
 61 192.3 142.3 213.5
 98 74.2 50.6 76.0





#23
 Vinyl Acetate
 Concen: 0.897 ppbv
 RT: 2.457 min Scan# 716
 Delta R.T. -0.003 min
 Lab File: VL042749.D
 Acq: 23 Jul 2025 10:08

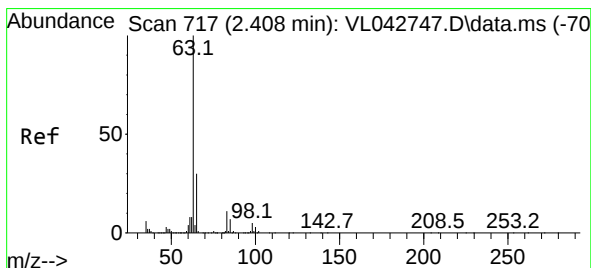
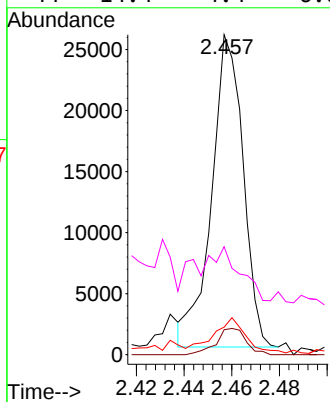
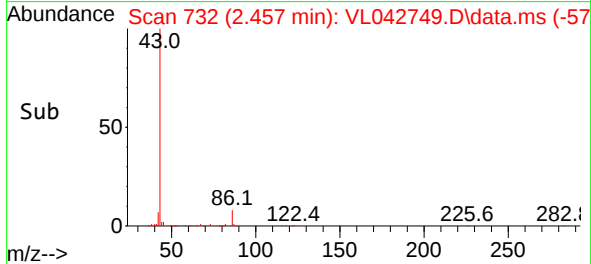
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001



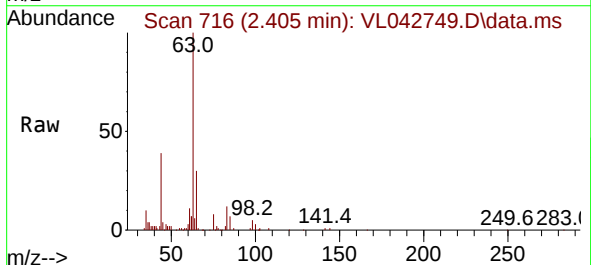
Tgt Ion: 43 Resp: 23472
 Ion Ratio Lower Upper
 43 100
 86 8.0 6.1 9.1
 42 7.5 7.8 11.8
 44 14.4 4.4 6.6

Manual Integrations
 APPROVED

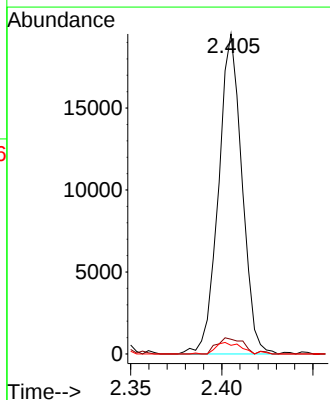
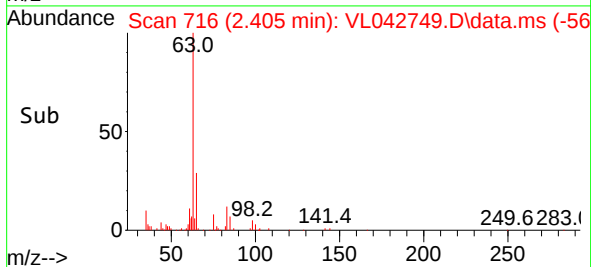
Reviewed By :Semsettin Yesilyurt 07/24/2025
 Supervised By :Mahesh Dadoda 07/24/2025

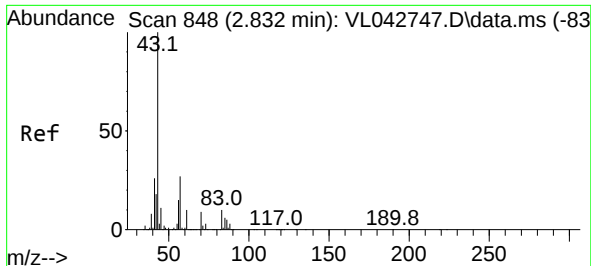


#24
 1,1-Dichloroethane
 Concen: 1.081 ppbv
 RT: 2.405 min Scan# 716
 Delta R.T. -0.003 min
 Lab File: VL042749.D
 Acq: 23 Jul 2025 10:08



Tgt Ion: 63 Resp: 17459
 Ion Ratio Lower Upper
 63 100
 98 4.6 2.5 7.4
 100 2.7 1.6 4.8





#25
Ethyl Acetate
Concen: 1.021 ppbv
RT: 2.829 min Scan# 847
Delta R.T. -0.003 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Instrument :

MSVOA_L

ClientSampleId :

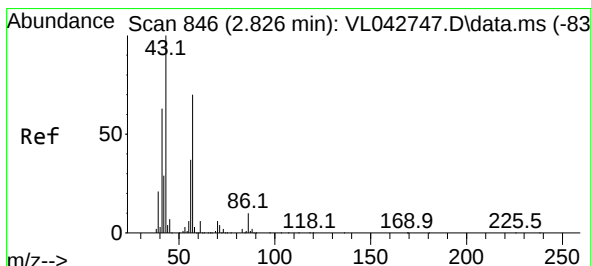
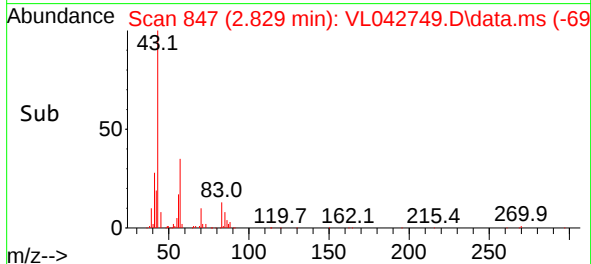
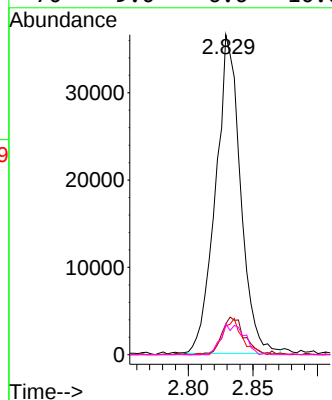
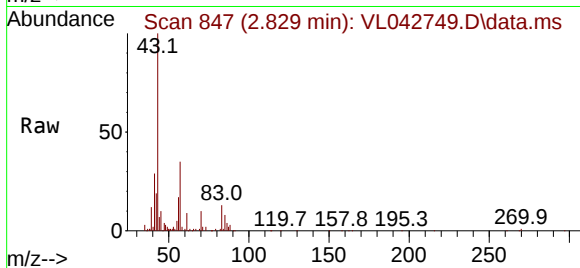
VSTDICC001

Tgt Ion: 43 Resp: 48790
Ion Ratio Lower Upper
43 100
45 11.3 7.8 11.6
61 9.3 6.7 10.1
70 9.0 6.6 10.0

Manual Integrations

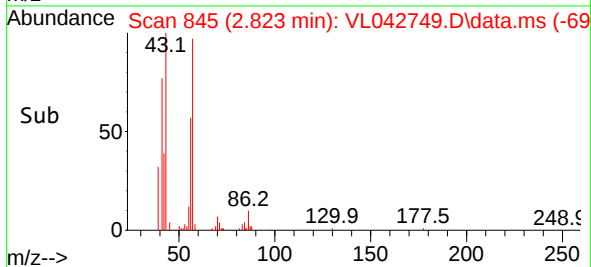
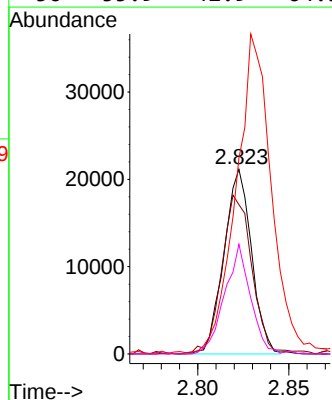
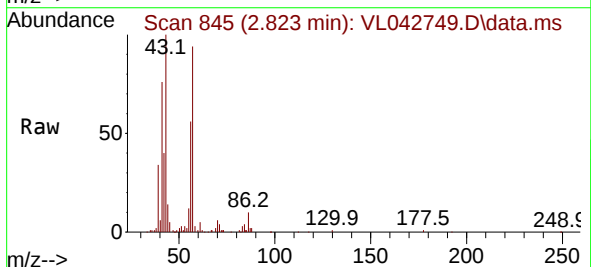
APPROVED

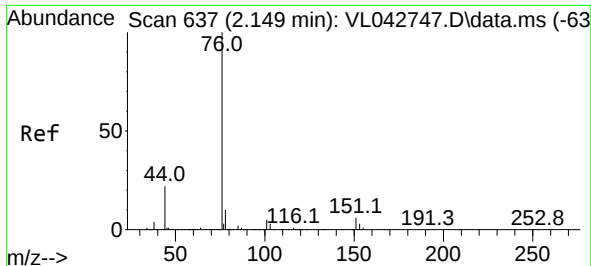
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025



#26
Hexane
Concen: 1.063 ppbv
RT: 2.823 min Scan# 845
Delta R.T. -0.003 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion: 57 Resp: 22279
Ion Ratio Lower Upper
57 100
41 98.5 75.4 113.2
43 230.7 185.0 277.6
56 55.9 42.9 64.3





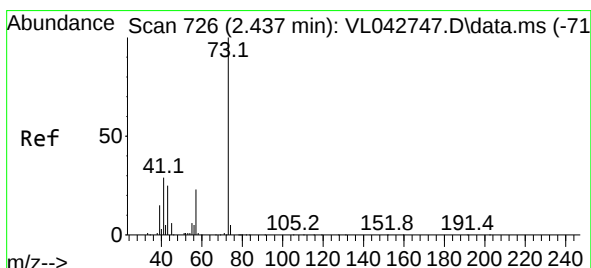
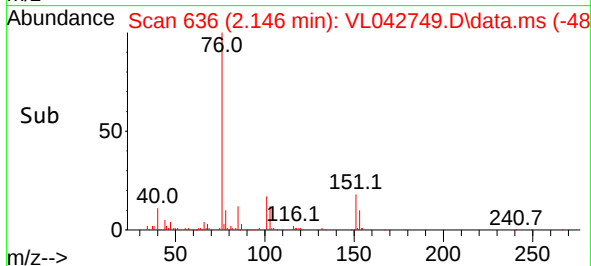
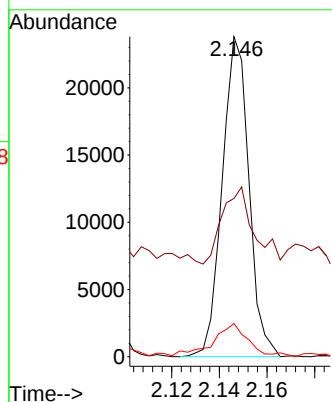
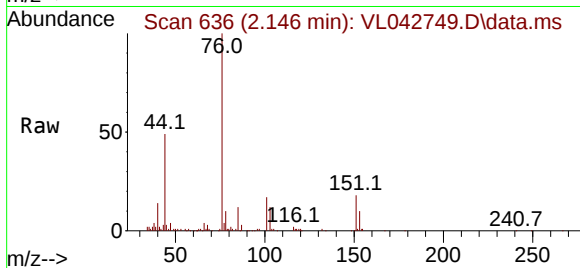
#27
Carbon Disulfide
Concen: 1.031 ppbv
RT: 2.146 min Scan# 61
Delta R.T. -0.003 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 76 Resp: 1848
Ion Ratio Lower Upper
76 100
44 115.6 19.3 28.9
78 14.9 9.9 14.9

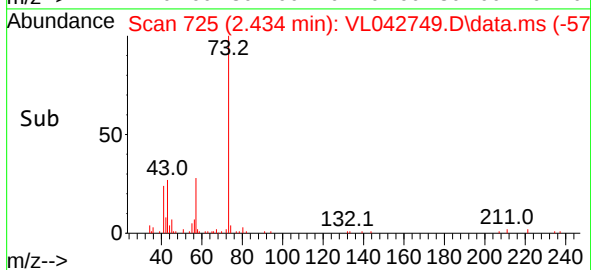
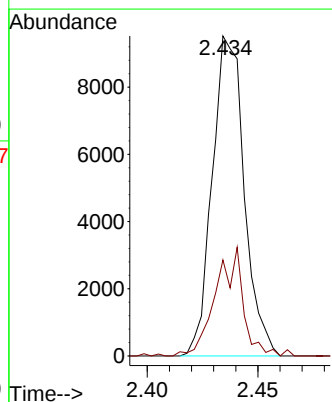
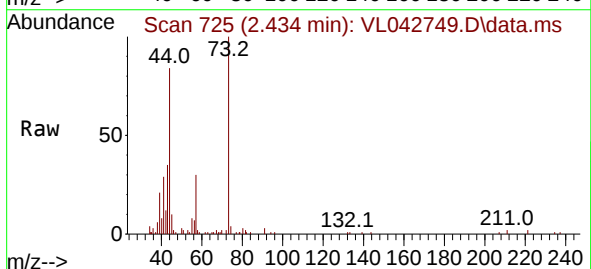
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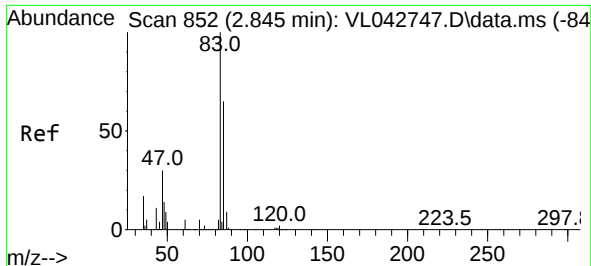
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025



#28
Methyl tert-Butyl Ether
Concen: 0.968 ppbv
RT: 2.434 min Scan# 725
Delta R.T. -0.003 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion: 73 Resp: 9587
Ion Ratio Lower Upper
73 100
57 29.7 19.8 29.8





#29

Chloroform

Concen: 1.015 ppbv

RT: 2.845 min Scan# 852

Delta R.T. -0.000 min

Lab File: VL042749.D

Acq: 23 Jul 2025 10:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC001

Tgt Ion: 83 Resp: 32880

Ion Ratio Lower Upper

83 100

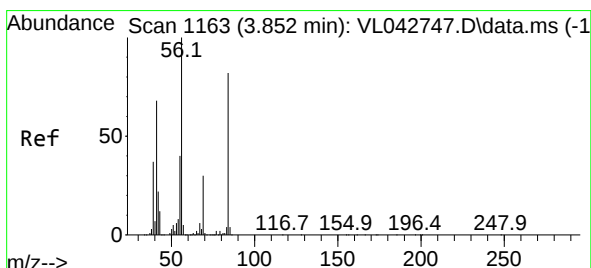
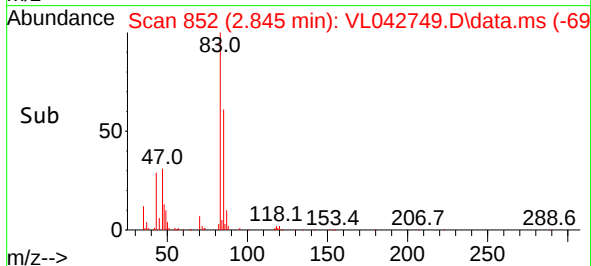
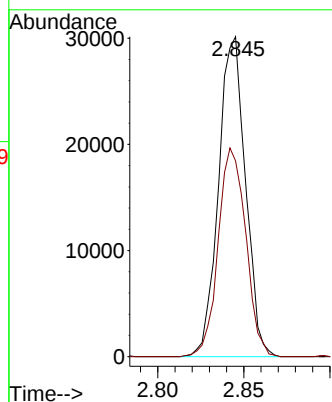
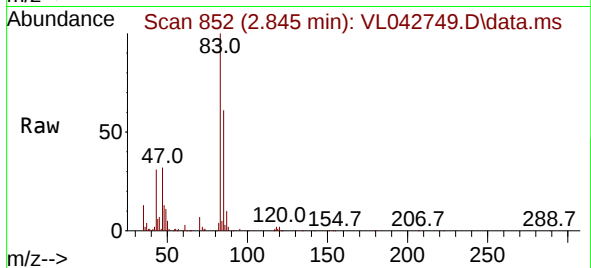
85 61.2 52.2 78.2

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Reviewed By :Semsettin Yesilyurt 07/24/2025

Supervised By :Mahesh Dadoda 07/24/2025



#30

Cyclohexane

Concen: 1.003 ppbv

RT: 3.852 min Scan# 1163

Delta R.T. -0.000 min

Lab File: VL042749.D

Acq: 23 Jul 2025 10:08

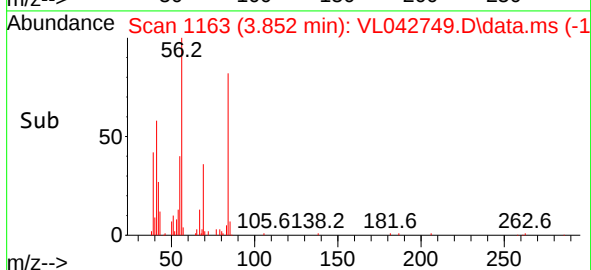
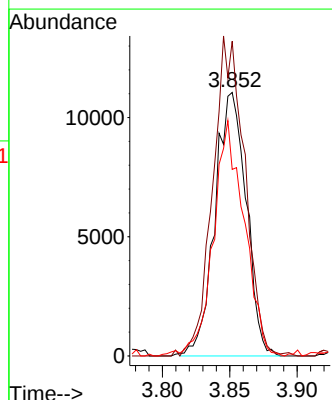
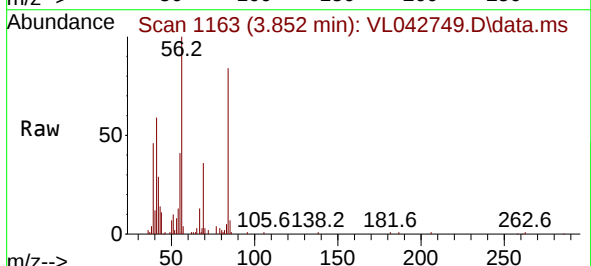
Tgt Ion: 84 Resp: 17824

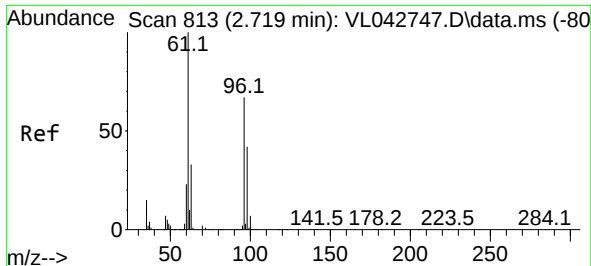
Ion Ratio Lower Upper

84 100

56 124.3 97.5 146.3

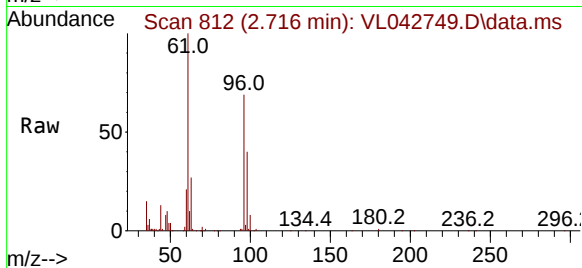
41 88.5 67.2 100.8





#31
 cis-1,2-Dichloroethene
 Concen: 1.021 ppbv
 RT: 2.716 min Scan# 81
 Delta R.T. -0.003 min
 Lab File: VL042749.D
 Acq: 23 Jul 2025 10:08

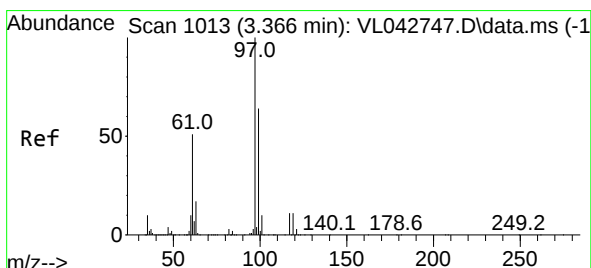
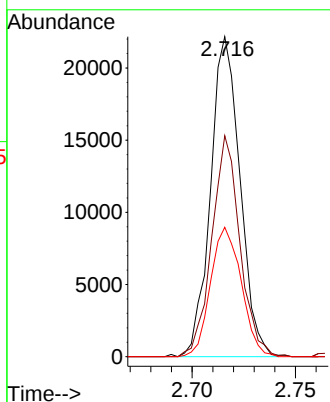
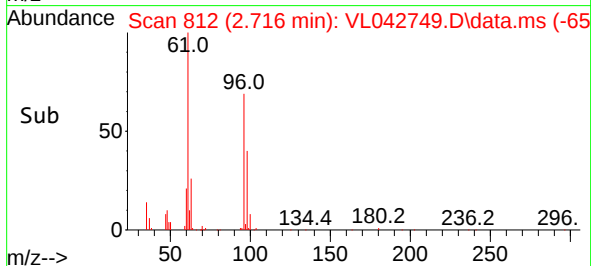
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC001



Tgt Ion: 61 Resp: 21979
 Ion Ratio Lower Upper
 61 100
 96 69.0 53.5 80.3
 98 40.5 33.6 50.4

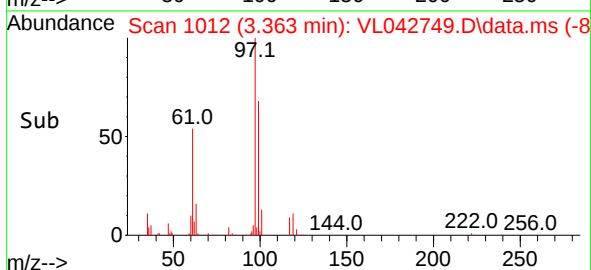
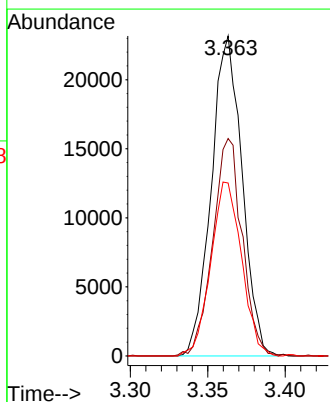
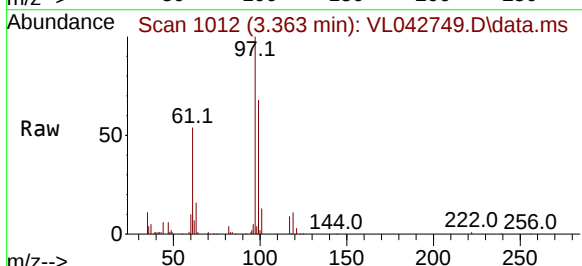
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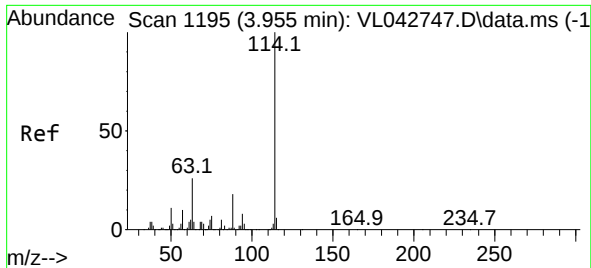
Reviewed By :Semsettin Yesilyurt 07/24/2025
 Supervised By :Mahesh Dadoda 07/24/2025



#32
 1,1,1-Trichloroethane
 Concen: 0.949 ppbv
 RT: 3.363 min Scan# 1012
 Delta R.T. -0.003 min
 Lab File: VL042749.D
 Acq: 23 Jul 2025 10:08

Tgt Ion: 97 Resp: 32003
 Ion Ratio Lower Upper
 97 100
 99 65.0 51.0 76.6
 61 54.5 40.9 61.3





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.952 min Scan# 1194

Delta R.T. -0.003 min

Lab File: VL042749.D

Acq: 23 Jul 2025 10:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tgt Ion:114 Resp: 459770

Ion Ratio Lower Upper

114 100

63 25.5 20.5 30.7

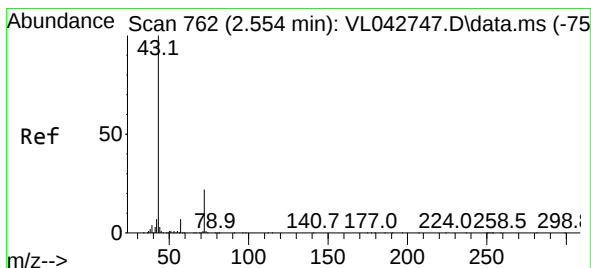
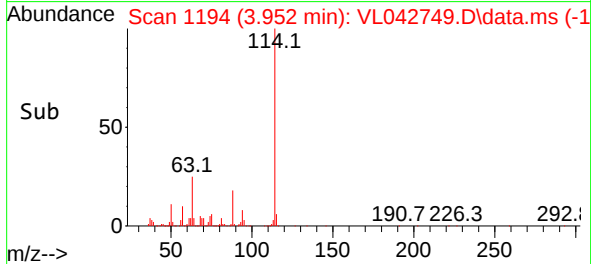
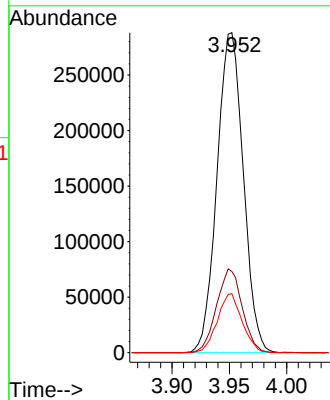
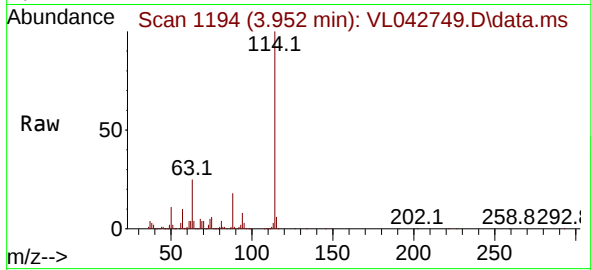
88 17.4 14.0 21.0

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 07/24/2025

Supervised By :Mahesh Dadoda 07/24/2025



#34

2-Butanone

Concen: 1.007 ppbv

RT: 2.554 min Scan# 762

Delta R.T. -0.000 min

Lab File: VL042749.D

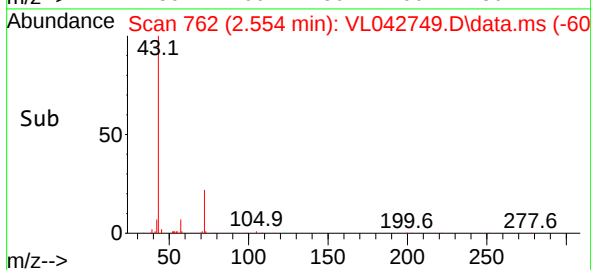
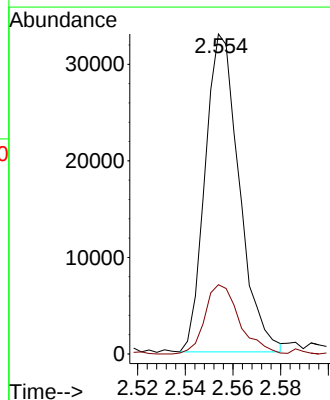
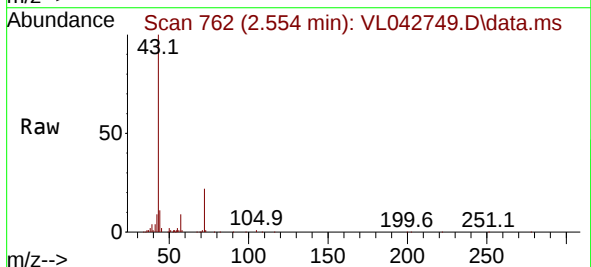
Acq: 23 Jul 2025 10:08

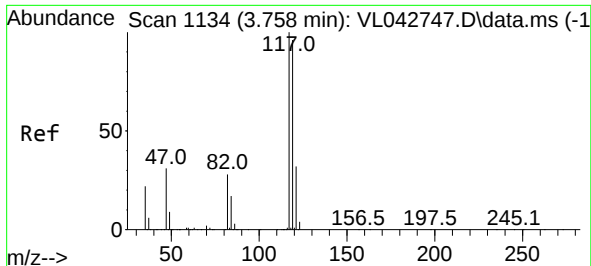
Tgt Ion: 43 Resp: 32783

Ion Ratio Lower Upper

43 100

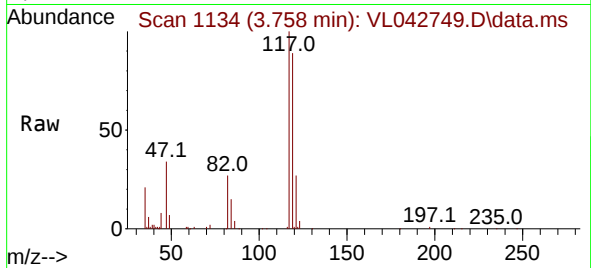
72 22.7 17.4 26.0





#35
Carbon Tetrachloride
Concen: 0.954 ppbv
RT: 3.758 min Scan# 1134
Delta R.T. -0.000 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

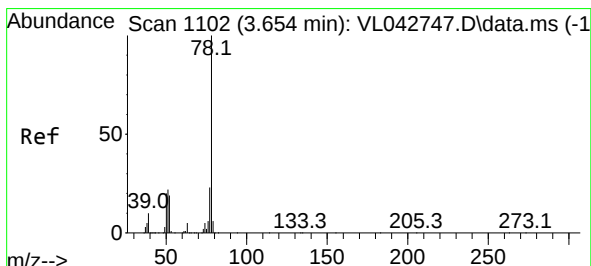
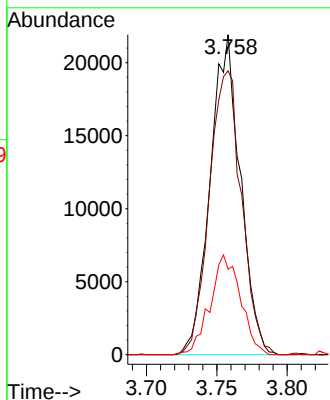
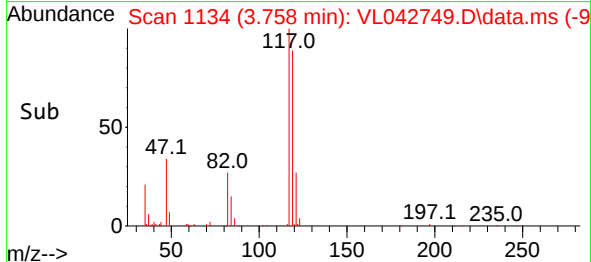
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



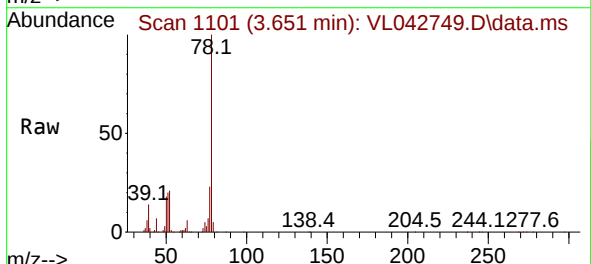
Tgt Ion: 117 Resp: 32610
Ion Ratio Lower Upper
117 100
119 88.7 77.1 115.7
121 26.7 25.5 38.3

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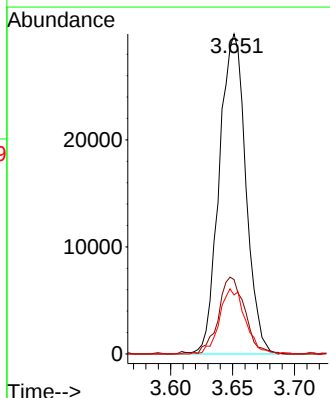
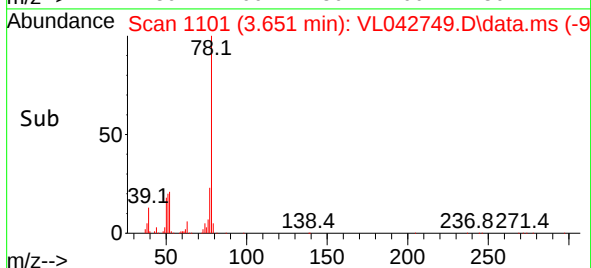
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

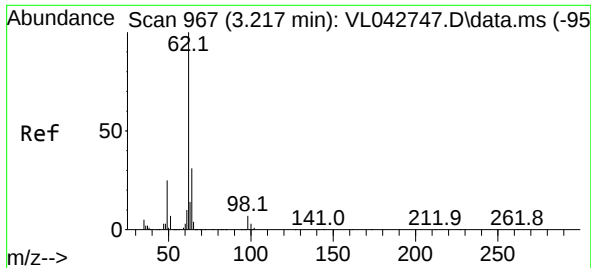


#36
Benzene
Concen: 1.024 ppbv
RT: 3.651 min Scan# 1101
Delta R.T. -0.003 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08



Tgt Ion: 78 Resp: 44638
Ion Ratio Lower Upper
78 100
77 23.1 18.5 27.7
50 18.4 16.2 24.2





#37

1,2-Dichloroethane

Concen: 1.025 ppbv

RT: 3.211 min Scan# 90

Delta R.T. -0.007 min

Lab File: VL042749.D

Acq: 23 Jul 2025 10:08

Instrument :

MSVOA_L

ClientSampleId :

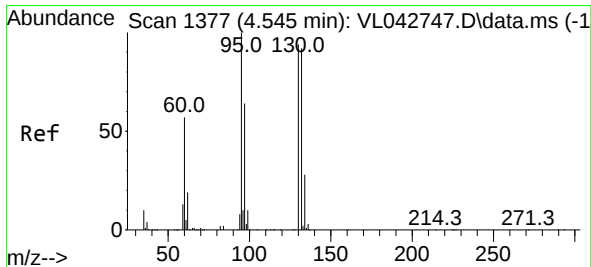
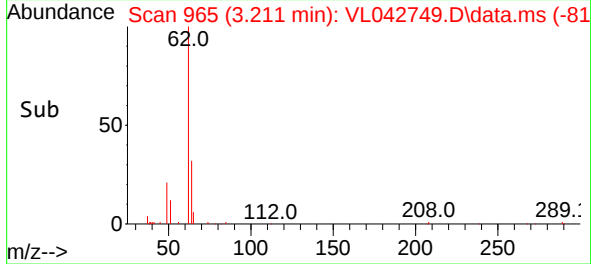
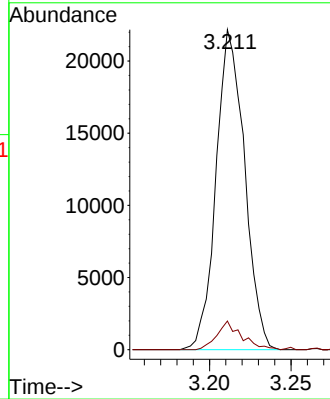
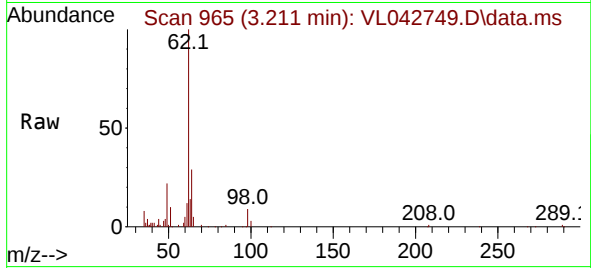
VSTDICC001

Tgt Ion: 62 Resp: 26909
 Ion Ratio Lower Upper
 62 100
 98 8.0 5.2 7.8

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 07/24/2025
 Supervised By :Mahesh Dadoda 07/24/2025



#38

Trichloroethene

Concen: 1.005 ppbv

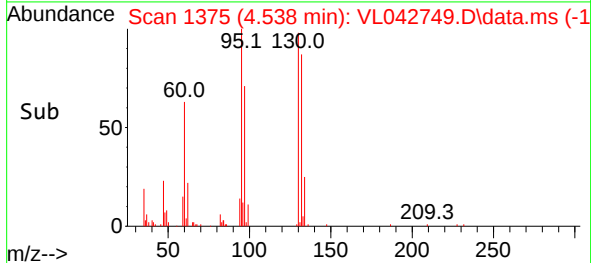
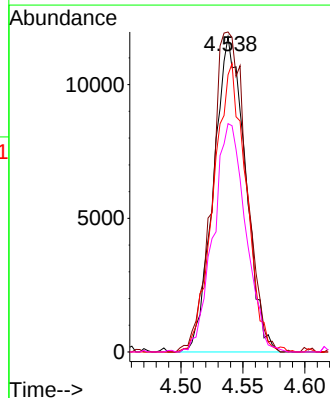
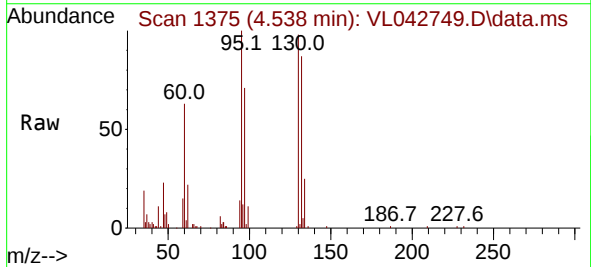
RT: 4.538 min Scan# 1375

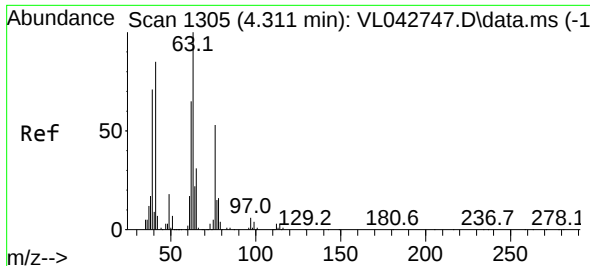
Delta R.T. -0.007 min

Lab File: VL042749.D

Acq: 23 Jul 2025 10:08

Tgt Ion:130 Resp: 21122
 Ion Ratio Lower Upper
 130 100
 95 101.6 85.4 128.2
 132 87.5 78.2 117.2
 97 72.4 54.8 82.2





#39

1,2-Dichloropropane

Concen: 1.033 ppbv

RT: 4.305 min Scan# 1305

Delta R.T. -0.007 min

Lab File: VL042749.D

Acq: 23 Jul 2025 10:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC001

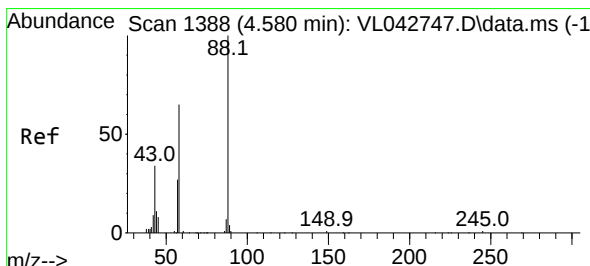
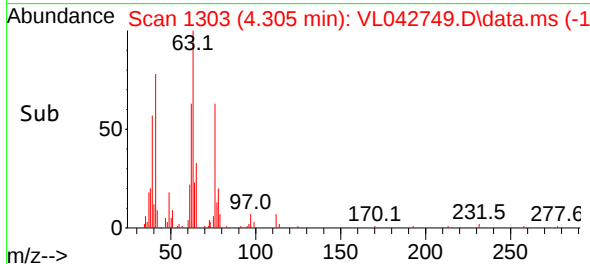
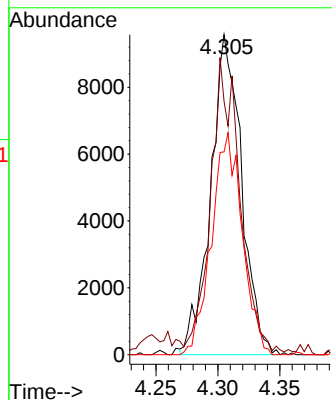
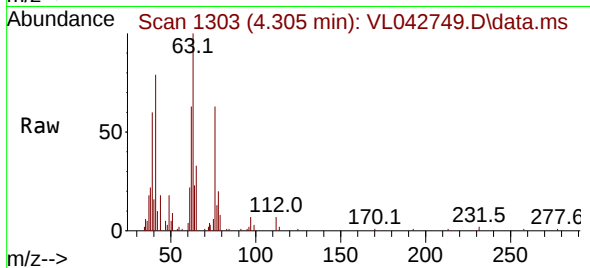
Tgt Ion: 63 Resp: 1662

Ion	Ratio	Lower	Upper
63	100		
41	77.8	68.2	102.4
62	63.3	52.0	78.0

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025



#40

1,4-Dioxane

Concen: 1.030 ppbv m

RT: 4.587 min Scan# 1390

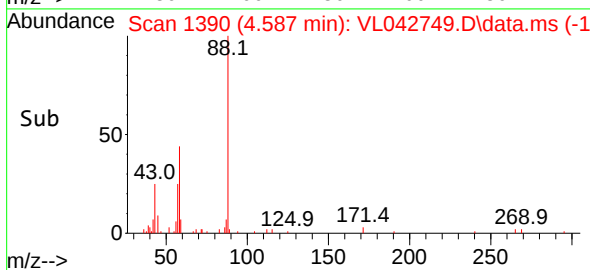
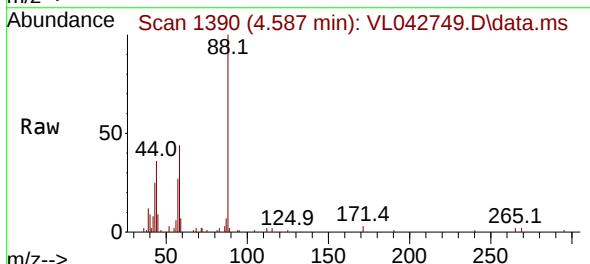
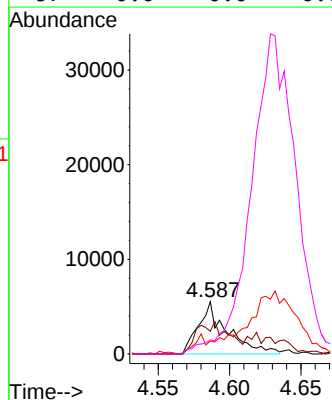
Delta R.T. 0.006 min

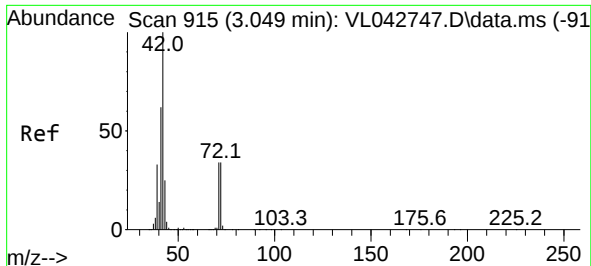
Lab File: VL042749.D

Acq: 23 Jul 2025 10:08

Tgt Ion: 88 Resp: 7811

Ion	Ratio	Lower	Upper
88	100		
58	0.0	58.8	88.2#
43	0.0	28.9	43.3#
57	0.0	0.0	0.0





#41

Tetrahydrofuran

Concen: 0.984 ppbv

RT: 3.056 min Scan# 915

Delta R.T. 0.006 min

Lab File: VL042749.D

Acq: 23 Jul 2025 10:08

Instrument :

MSVOA_L

ClientSampleId :

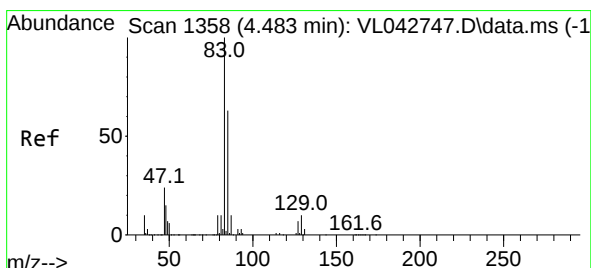
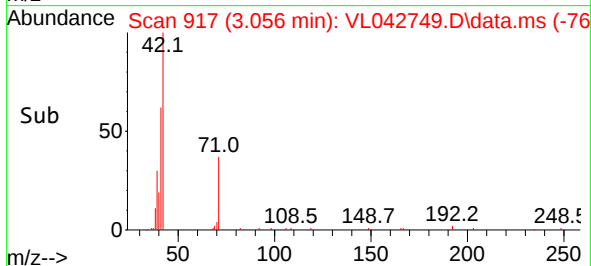
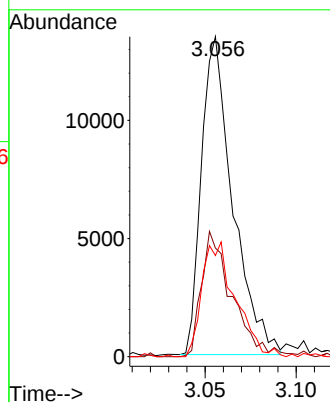
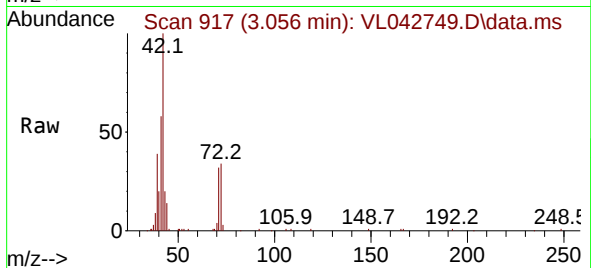
VSTDICC001

Tgt Ion:	42	Resp:	1609
Ion Ratio	Lower	Upper	
42	100		
72	39.1	30.9	46.3
71	38.6	28.6	43.0

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025



#42

Bromodichloromethane

Concen: 1.023 ppbv m

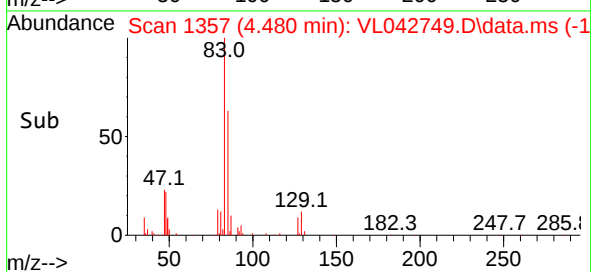
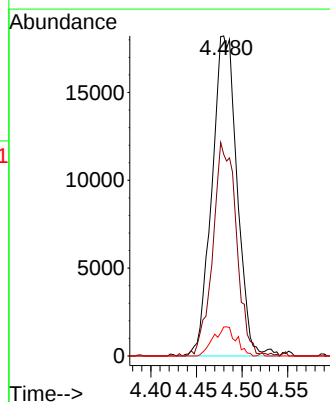
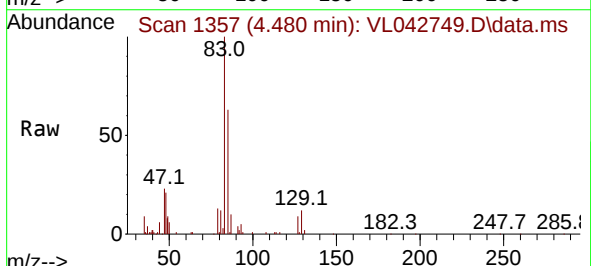
RT: 4.480 min Scan# 1357

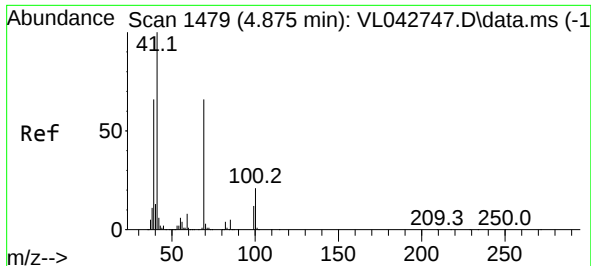
Delta R.T. -0.003 min

Lab File: VL042749.D

Acq: 23 Jul 2025 10:08

Tgt Ion:	83	Resp:	34995
Ion Ratio	Lower	Upper	
83	100		
85	63.0	50.2	75.4
127	9.1	5.4	8.2





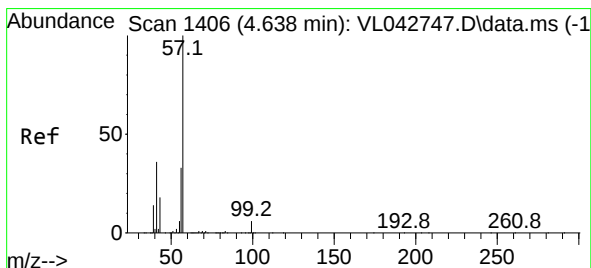
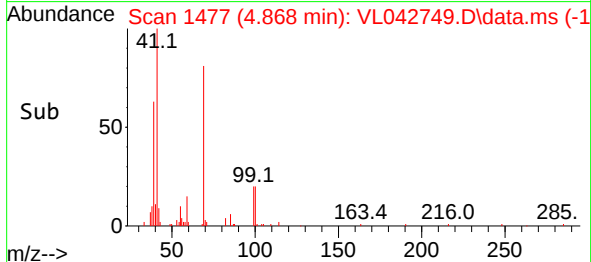
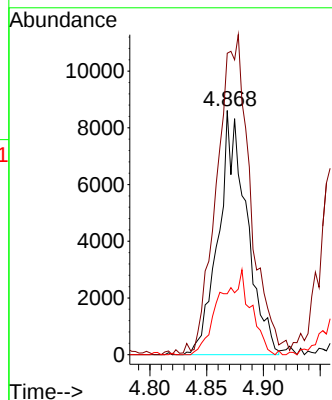
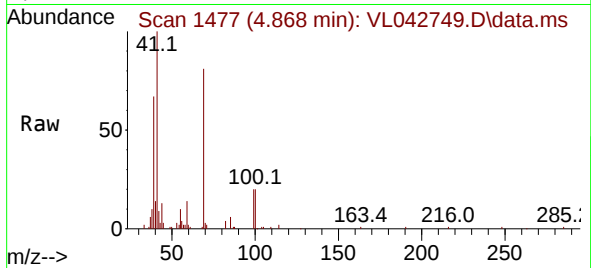
#43
Methyl Methacrylate
Concen: 0.961 ppbv
RT: 4.868 min Scan# 1479
Delta R.T. -0.007 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 69 Resp: 14880
Ion Ratio Lower Upper
69 100
41 0.0 125.7 188.5
100 0.0 28.6 42.8

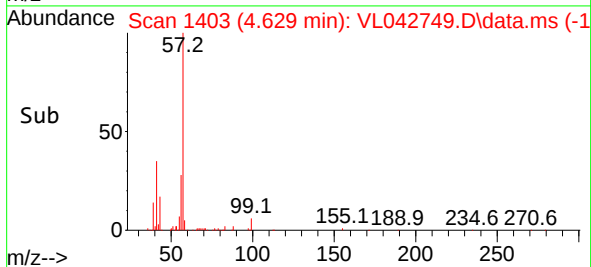
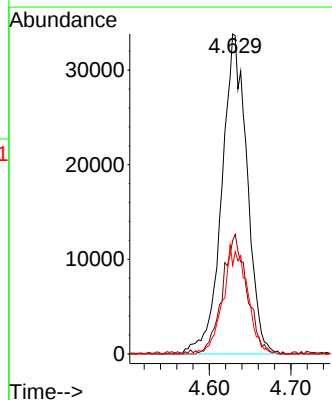
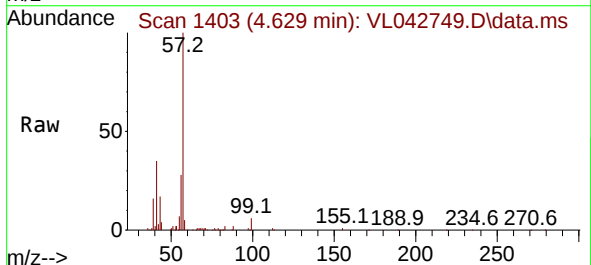
Manual Integrations
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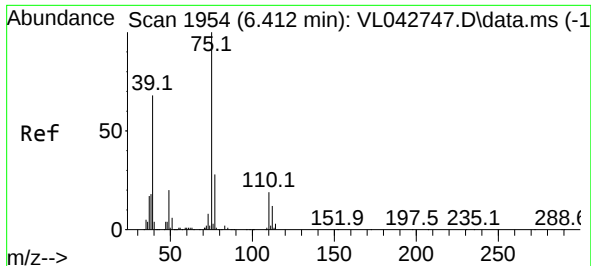
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025



#44
2,2,4-Trimethylpentane
Concen: 1.026 ppbv
RT: 4.629 min Scan# 1403
Delta R.T. -0.010 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion: 57 Resp: 72865
Ion Ratio Lower Upper
57 100
41 36.4 28.3 42.5
56 32.5 25.8 38.6





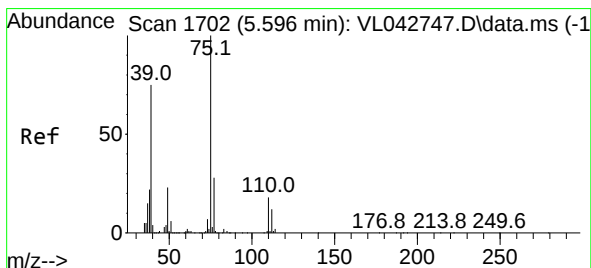
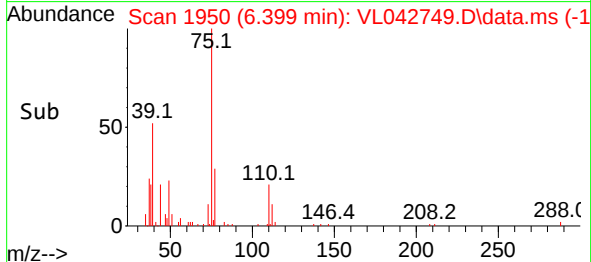
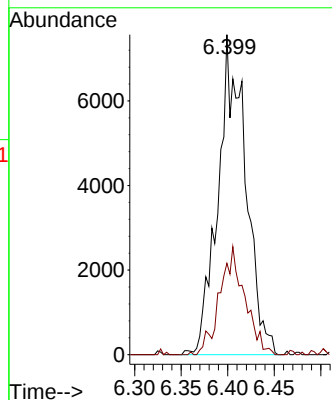
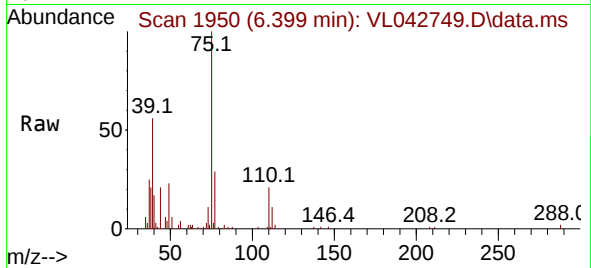
#45
t-1,3-Dichloropropene
Concen: 0.900 ppbv m
RT: 6.399 min Scan# 1954
Delta R.T. -0.013 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 75 Resp: 1564
Ion Ratio Lower Upper
75 100
77 28.5 22.4 33.6

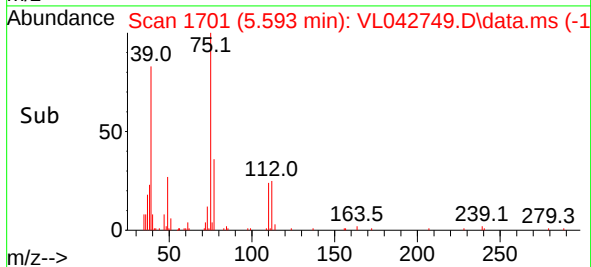
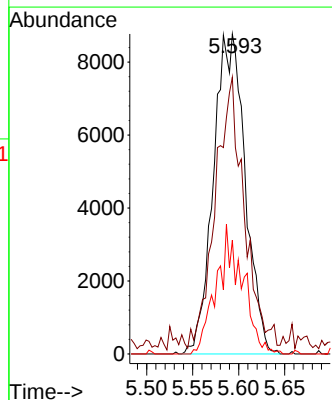
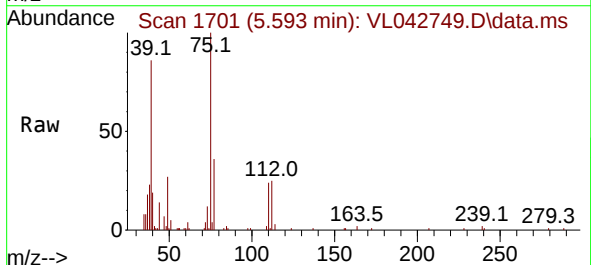
Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025



#46
cis-1,3-Dichloropropene
Concen: 0.958 ppbv m
RT: 5.593 min Scan# 1701
Delta R.T. -0.003 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

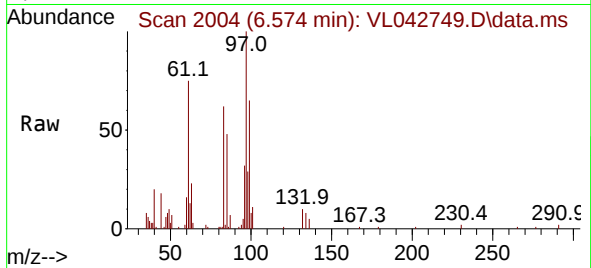
Tgt Ion: 75 Resp: 21088
Ion Ratio Lower Upper
75 100
39 86.5 60.2 90.2
77 35.6 22.6 34.0#





#47
1,1,2-Trichloroethane
Concen: 1.029 ppbv
RT: 6.574 min Scan# 2004
Delta R.T. -0.007 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

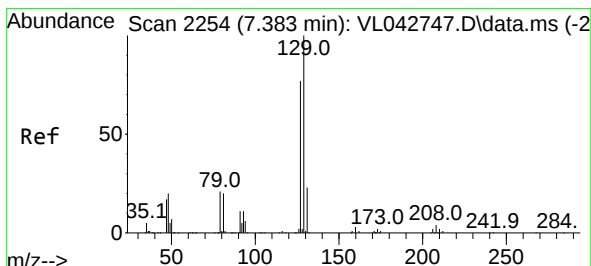
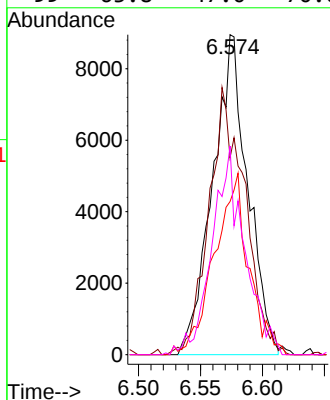
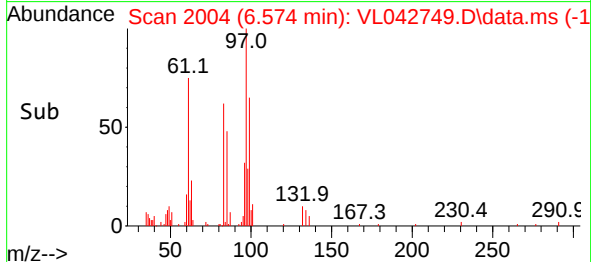
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001



Tgt Ion: 97 Resp: 17640
Ion Ratio Lower Upper
97 100
83 60.2 71.1 106.7
85 46.8 43.0 64.4
99 63.8 47.0 70.6

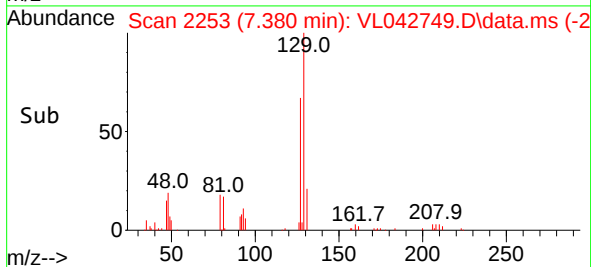
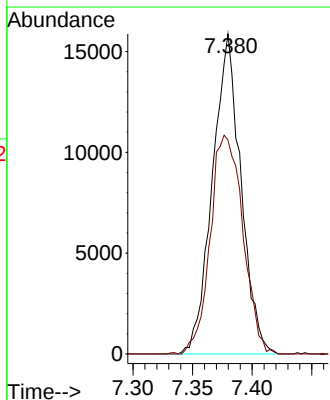
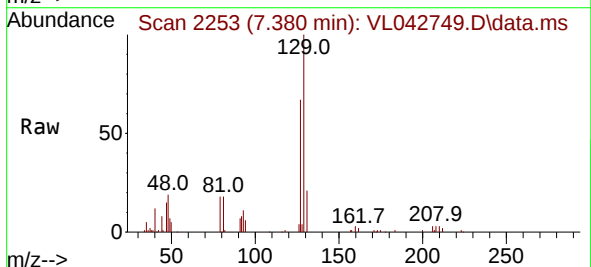
Manual Integrations
APPROVED

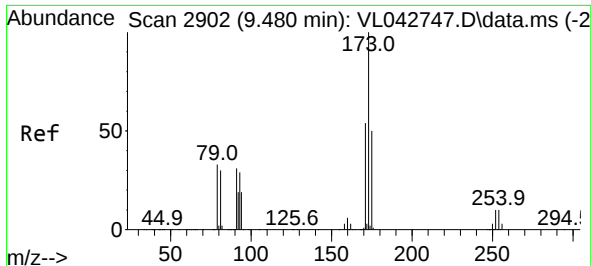
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025



#48
Dibromochloromethane
Concen: 0.965 ppbv
RT: 7.380 min Scan# 2253
Delta R.T. -0.003 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

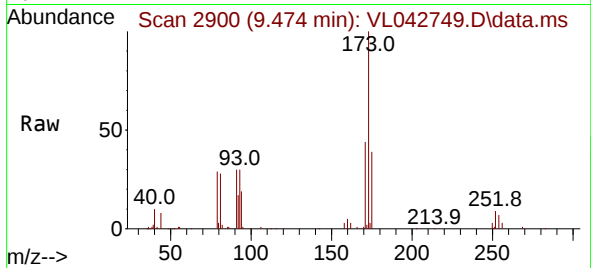
Tgt Ion:129 Resp: 26259
Ion Ratio Lower Upper
129 100
127 78.7 38.7 116.1





#49
Bromoform
Concen: 0.973 ppbv
RT: 9.474 min Scan# 2902
Delta R.T. -0.007 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

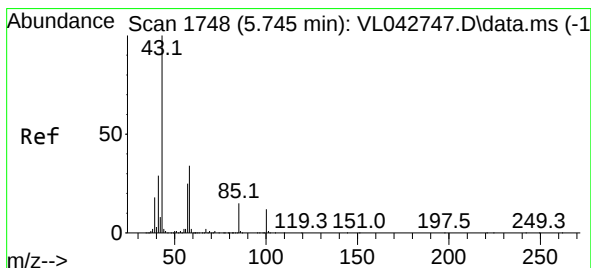
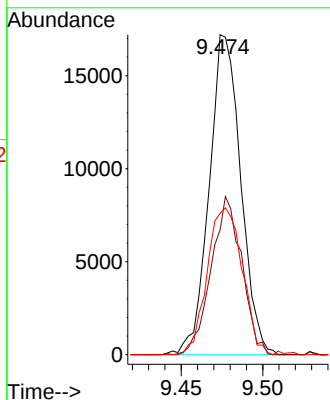
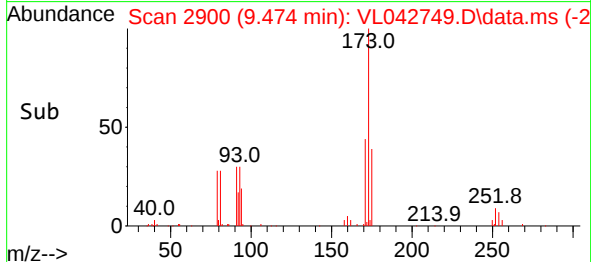
Instrument : MSVOA_L
ClientSampleId : VSTDIC001



Tgt Ion:173 Resp: 2308
Ion Ratio Lower Upper
173 100
175 48.0 38.4 57.6
171 51.3 40.9 61.3

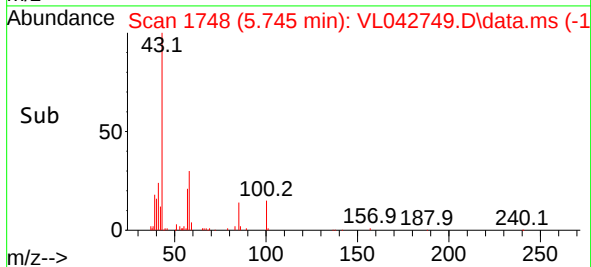
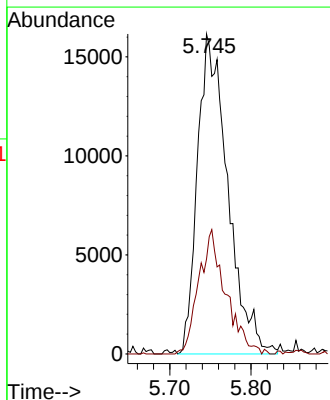
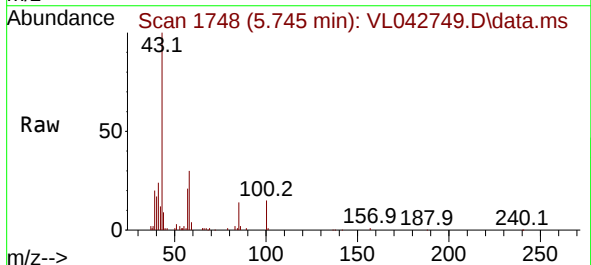
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APPROVED

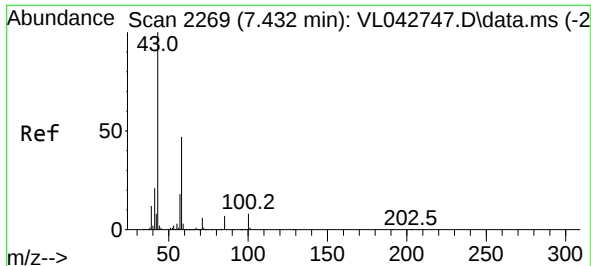
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025



#50
4-Methyl-2-Pentanone
Concen: 1.006 ppbv m
RT: 5.745 min Scan# 1748
Delta R.T. -0.000 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

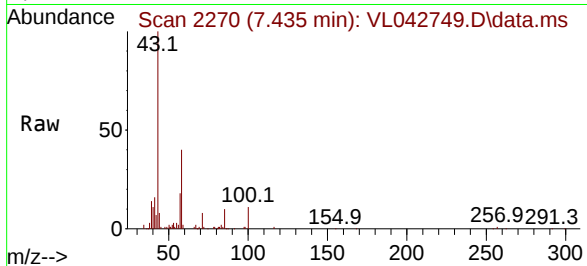
Tgt Ion: 43 Resp: 41715
Ion Ratio Lower Upper
43 100
58 0.0 27.8 41.8#





#51
2-Hexanone
Concen: 0.939 ppbv
RT: 7.435 min Scan# 2111
Delta R.T. 0.003 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

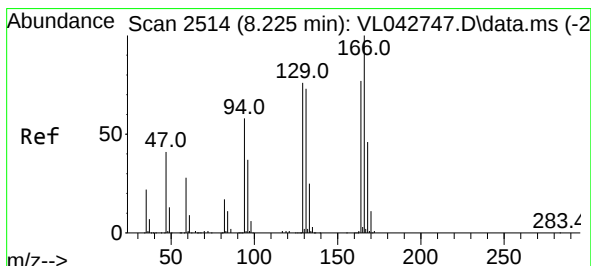
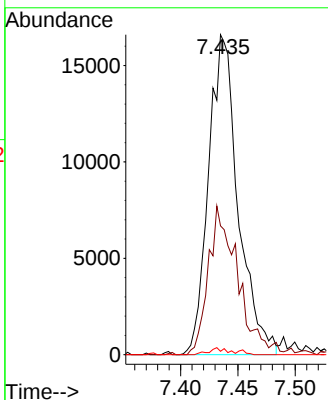
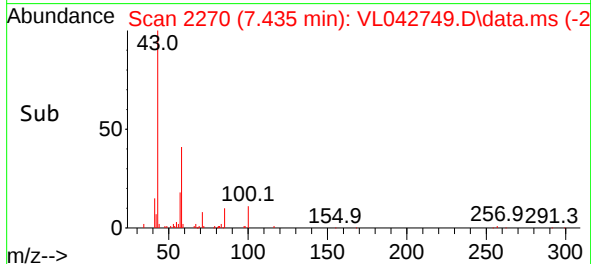
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



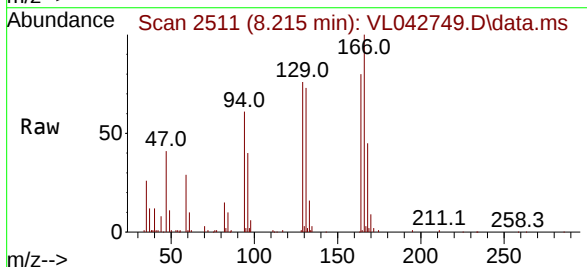
Tgt Ion: 43 Resp: 2976
Ion Ratio Lower Upper
43 100
58 47.5 38.0 57.0
98 1.6 0.2 0.4

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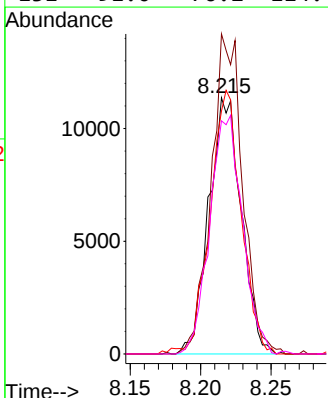
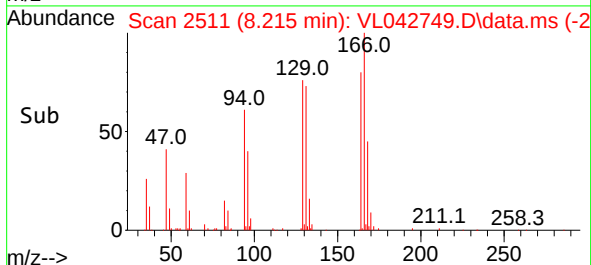
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

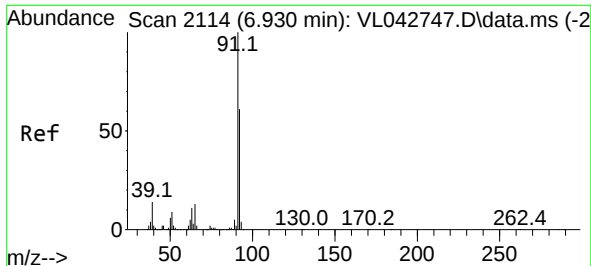


#52
Tetrachloroethene
Concen: 1.001 ppbv
RT: 8.215 min Scan# 2511
Delta R.T. -0.010 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08



Tgt Ion:164 Resp: 18131
Ion Ratio Lower Upper
164 100
166 124.9 104.0 156.0
129 94.8 79.2 118.8
131 91.0 76.2 114.4





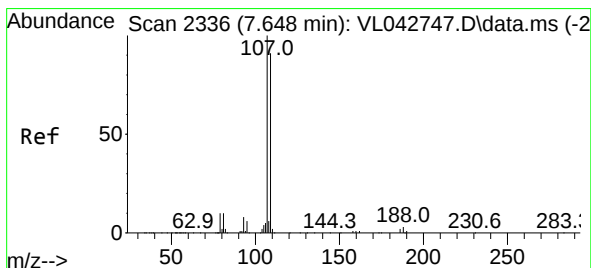
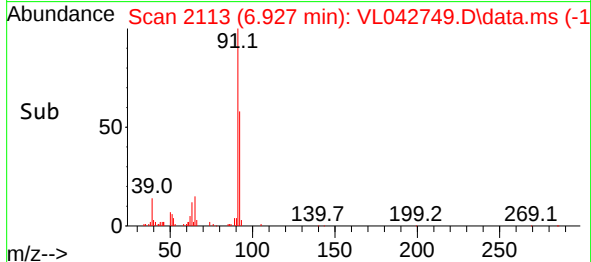
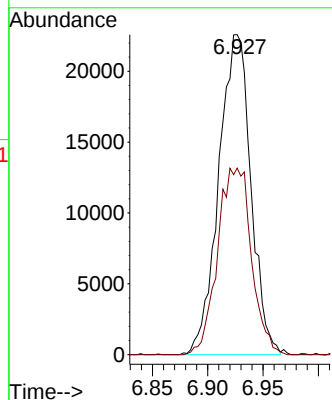
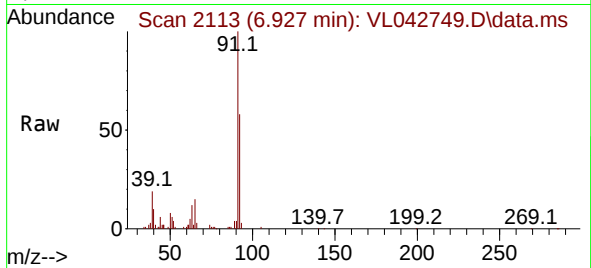
#53
Toluene
Concen: 0.976 ppbv
RT: 6.927 min Scan# 2113
Delta R.T. -0.003 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 91 Resp: 4564
Ion Ratio Lower Upper
91 100
92 61.5 48.0 72.0

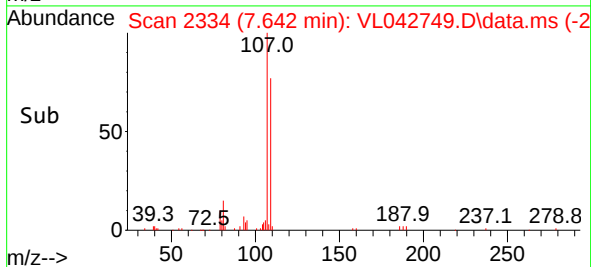
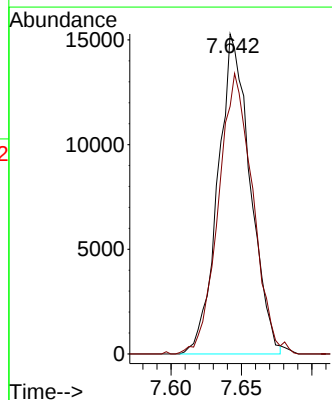
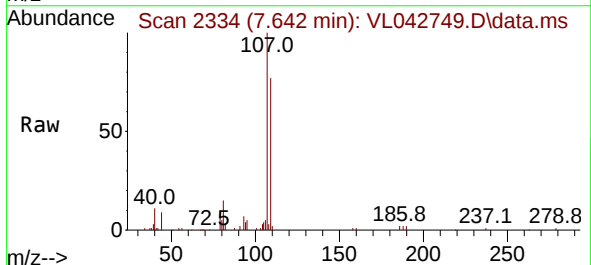
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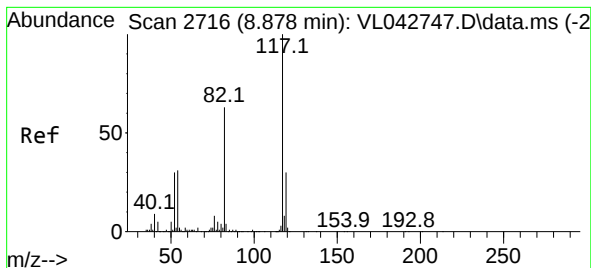
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025



#54
1,2-Dibromoethane
Concen: 1.007 ppbv
RT: 7.642 min Scan# 2334
Delta R.T. -0.007 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion:107 Resp: 24427
Ion Ratio Lower Upper
107 100
109 76.9 72.7 109.1





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.875 min Scan# 2716

Delta R.T. -0.003 min

Lab File: VL042749.D

Acq: 23 Jul 2025 10:08

Instrument :

MSVOA_L

ClientSampleId :

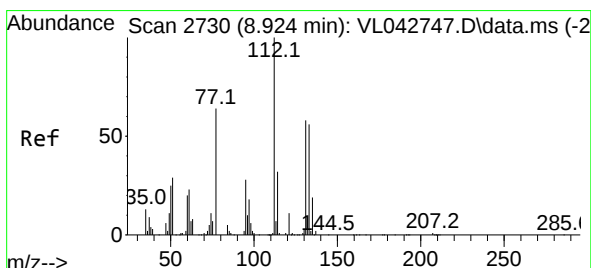
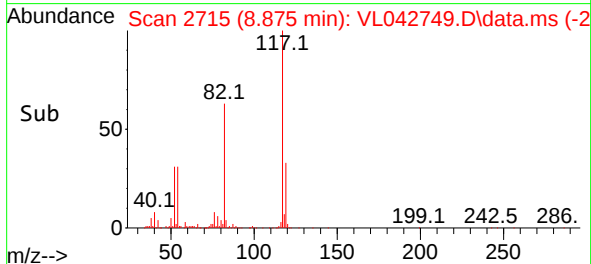
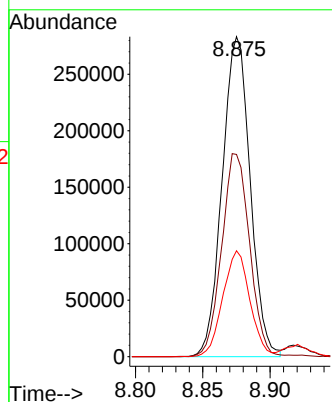
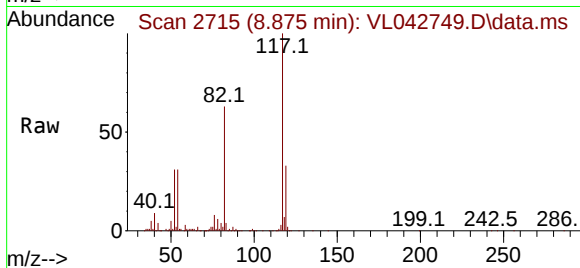
VSTDICC001

Tgt Ion:	117	Resp:	410018
Ion Ratio	Lower	Upper	
117	100		
82	63.5	53.3	79.9
119	32.0	25.8	38.6

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025



#56

1,1,1,2-Tetrachloroethane

Concen: 1.000 ppbv

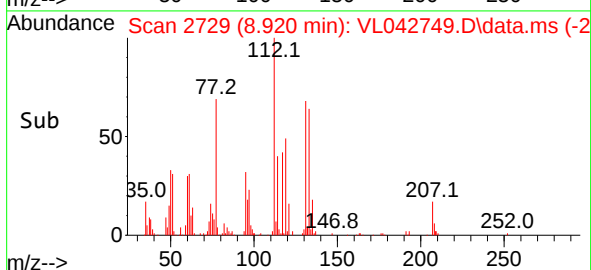
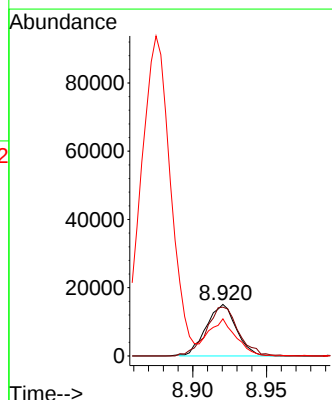
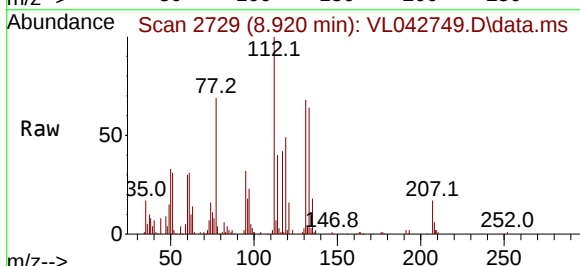
RT: 8.920 min Scan# 2729

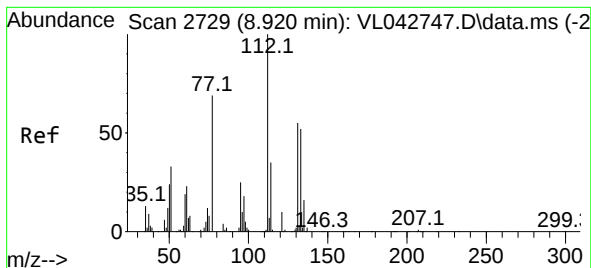
Delta R.T. -0.003 min

Lab File: VL042749.D

Acq: 23 Jul 2025 10:08

Tgt Ion:	131	Resp:	21319
Ion Ratio	Lower	Upper	
131	100		
133	102.0	76.8	115.2
119	58.6	49.7	74.5





#57

Chlorobenzene

Concen: 1.053 ppbv

RT: 8.911 min Scan# 21

Delta R.T. -0.010 min

Lab File: VL042749.D

Acq: 23 Jul 2025 10:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC001

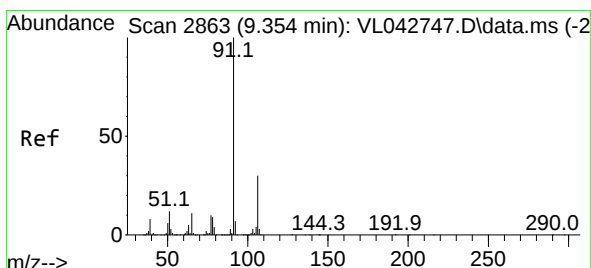
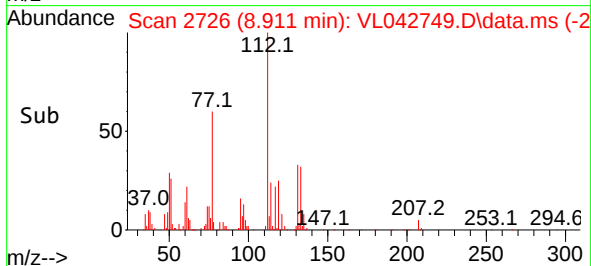
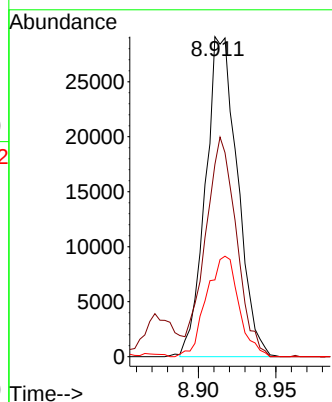
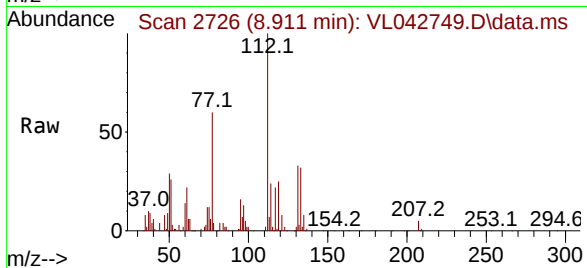
Tgt Ion:112 Resp: 4178

Ion	Ratio	Lower	Upper
112	100		
77	60.1	56.4	84.6
114	24.0	31.2	38.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025



#58

Ethyl Benzene

Concen: 0.980 ppbv

RT: 9.351 min Scan# 2862

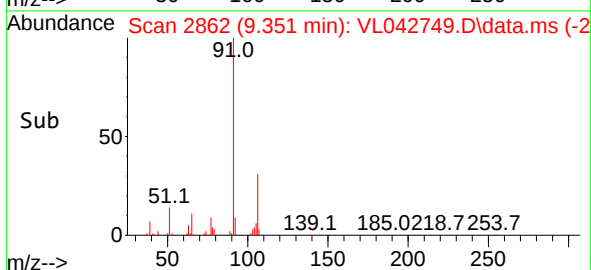
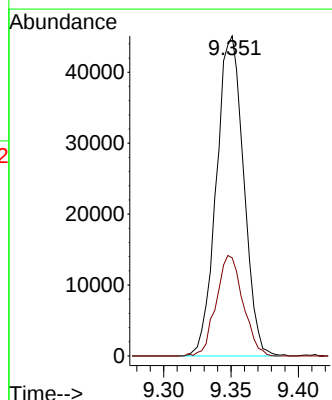
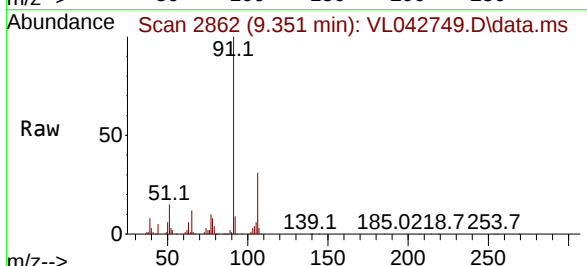
Delta R.T. -0.003 min

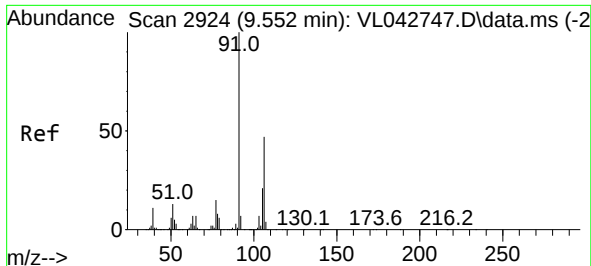
Lab File: VL042749.D

Acq: 23 Jul 2025 10:08

Tgt Ion: 91 Resp: 63467

Ion	Ratio	Lower	Upper
91	100		
106	30.6	23.8	35.6





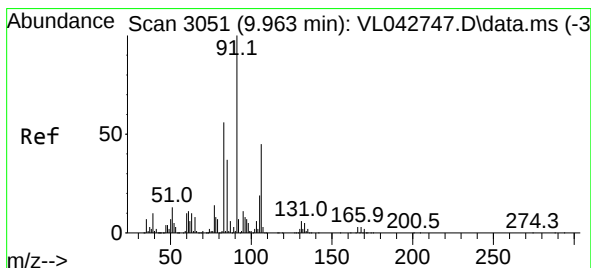
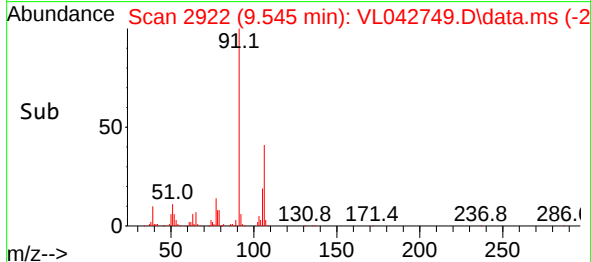
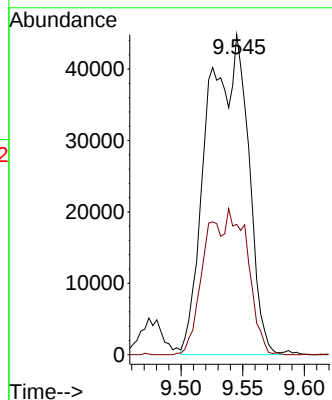
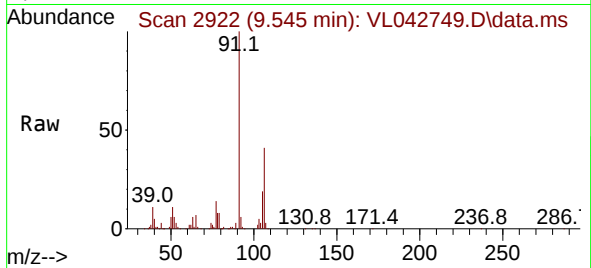
#59
m/p-Xylene
Concen: 2.020 ppbv m
RT: 9.545 min Scan# 2924
Delta R.T. -0.007 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion: 91 Resp: 10454
Ion Ratio Lower Upper
91 100
106 46.9 37.4 56.2

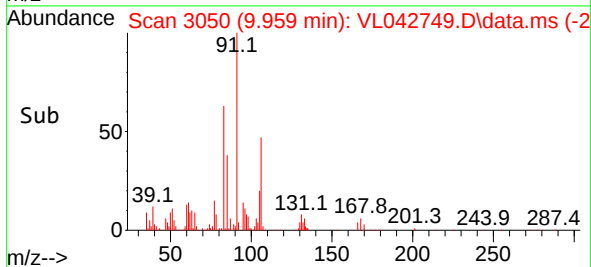
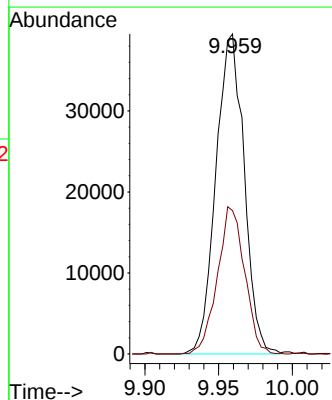
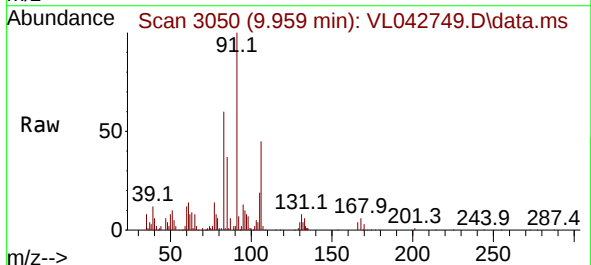
Manual Integrations
APPROVED

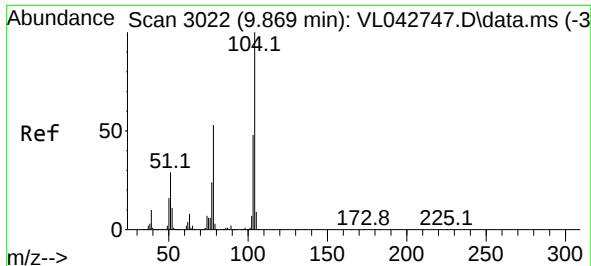
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025



#60
o-Xylene
Concen: 1.015 ppbv
RT: 9.959 min Scan# 3050
Delta R.T. -0.003 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion: 91 Resp: 52499
Ion Ratio Lower Upper
91 100
106 44.6 22.0 66.0





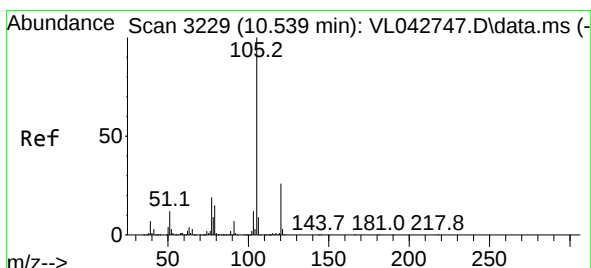
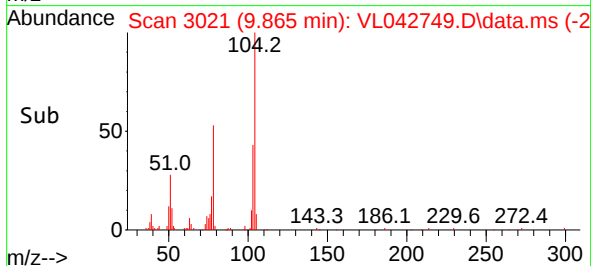
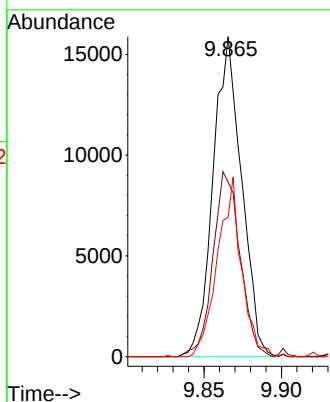
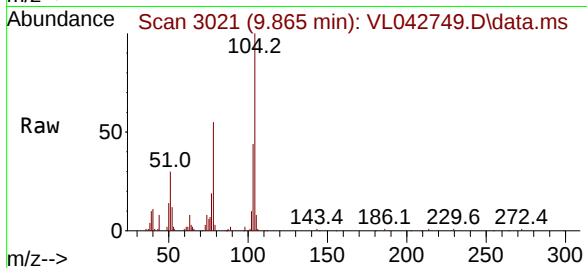
#61
Styrene
Concen: 0.934 ppbv
RT: 9.865 min Scan# 3022
Delta R.T. -0.003 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion:104 Resp: 2031
Ion Ratio Lower Upper
104 100
78 55.7 41.5 62.3
103 47.2 37.5 56.3

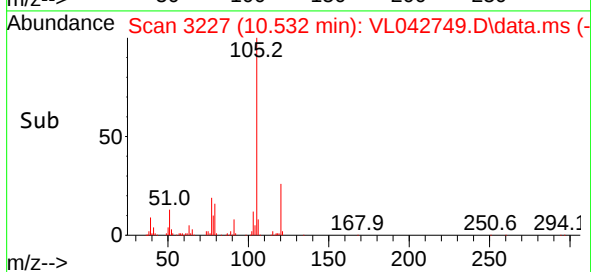
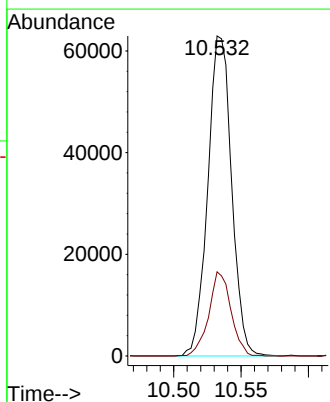
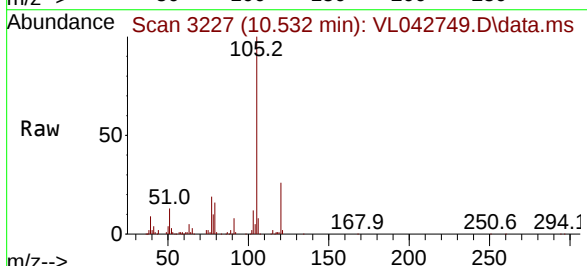
Manual Integrations
APPROVED

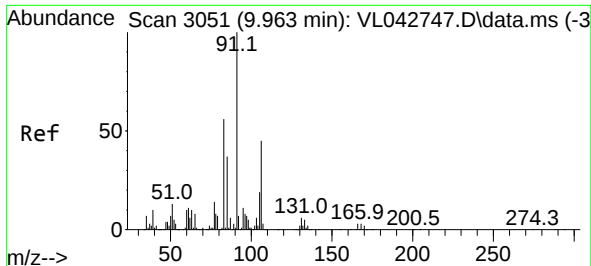
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025



#62
Isopropylbenzene
Concen: 1.013 ppbv
RT: 10.532 min Scan# 3227
Delta R.T. -0.007 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

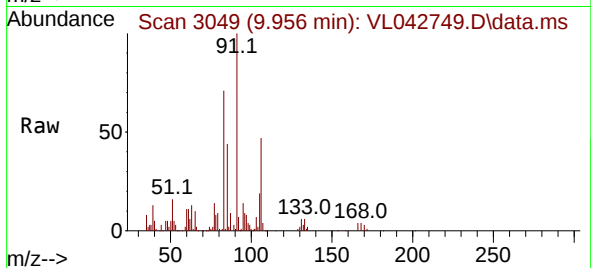
Tgt Ion:105 Resp: 77278
Ion Ratio Lower Upper
105 100
120 24.6 20.5 30.7





#63
1,1,2,2-Tetrachloroethane
Concen: 0.967 ppbv
RT: 9.956 min Scan# 3051
Delta R.T. -0.007 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

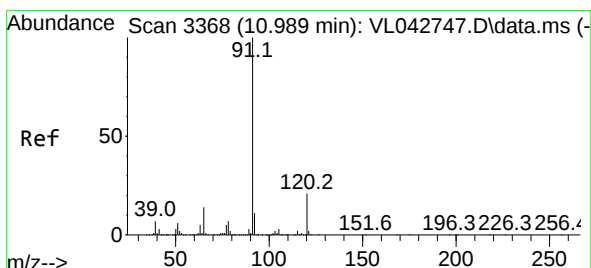
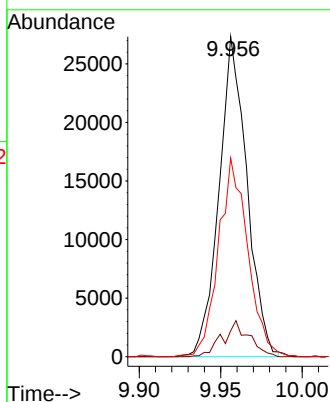
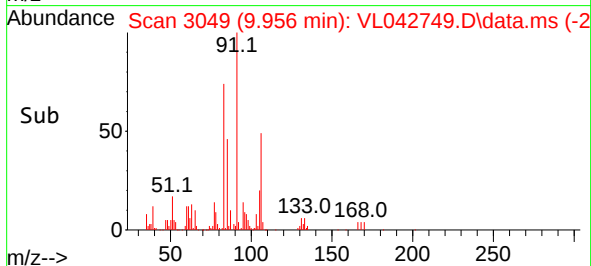
Instrument : MSVOA_L
Client Sample Id : VSTDIC001



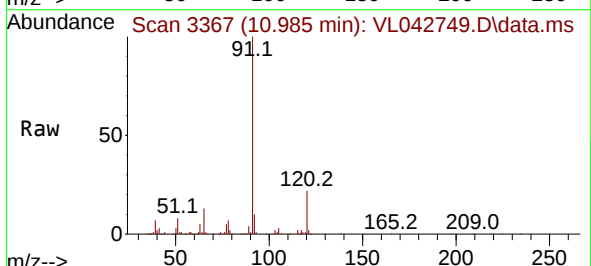
Tgt Ion: 83 Resp: 3259
Ion Ratio Lower Upper
83 100
131 10.6 5.0 15.0
85 65.1 32.6 97.7

Manual Integrations
APPROVED

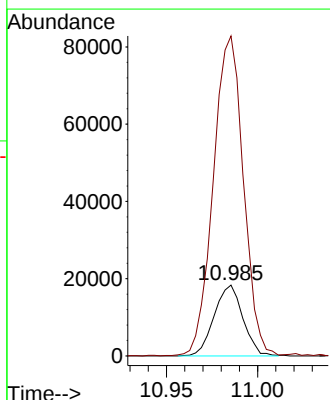
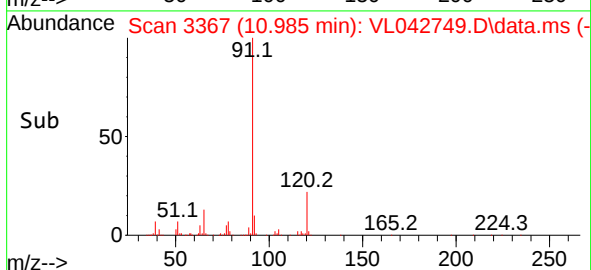
Reviewed By : Semsettin Yesilyurt 07/24/2025
Supervised By : Mahesh Dadoda 07/24/2025

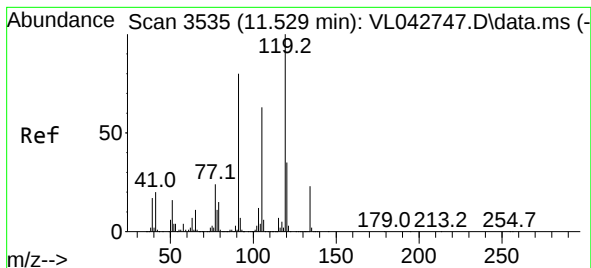


#64
n-propylbenzene
Concen: 1.009 ppbv
RT: 10.985 min Scan# 3367
Delta R.T. -0.003 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08



Tgt Ion: 120 Resp: 20073
Ion Ratio Lower Upper
120 100
91 478.1 372.7 559.1





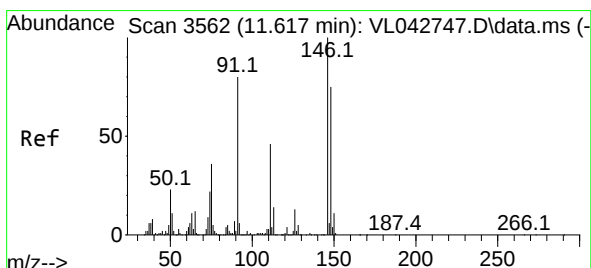
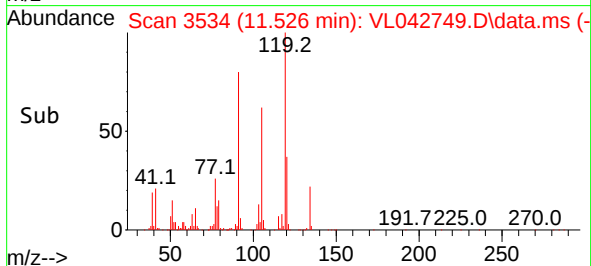
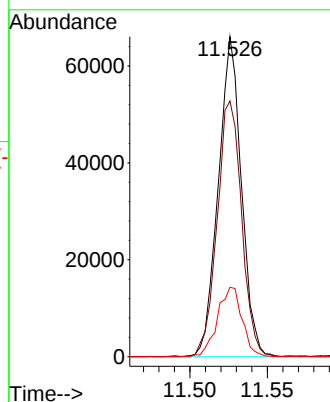
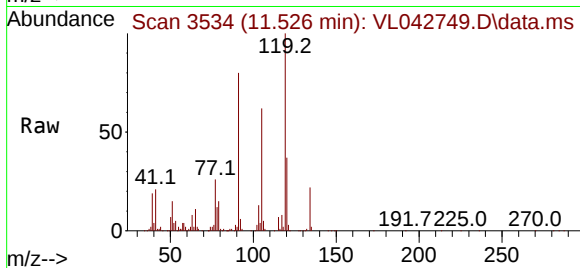
#65
tert-Butylbenzene
Concen: 1.010 ppbv
RT: 11.526 min Scan# 3534
Delta R.T. -0.003 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Instrument : MSVOA_L
ClientSampleId : VSTDIC001

Tgt Ion: 119 Resp: 68428
Ion Ratio Lower Upper
119 100
91 85.1 64.0 96.0
134 23.1 17.3 25.9

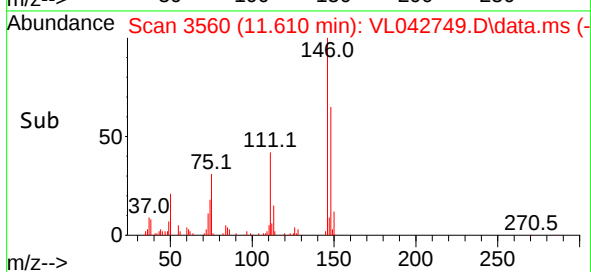
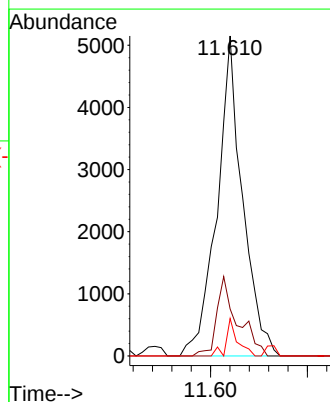
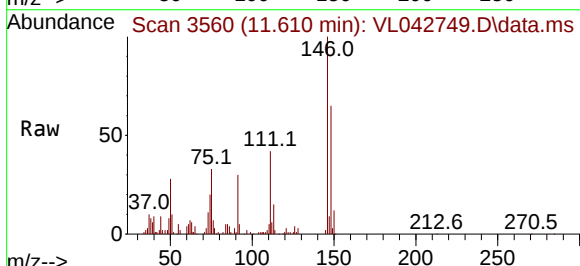
Manual Integrations
APPROVED

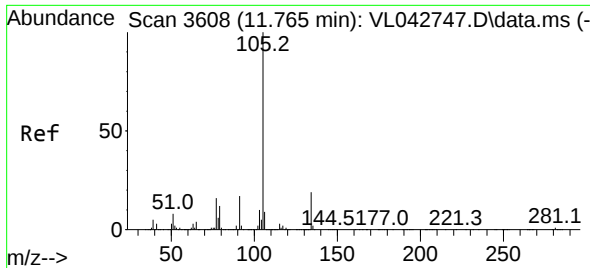
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025



#66
Benzyl Chloride
Concen: 0.845 ppbv
RT: 11.610 min Scan# 3560
Delta R.T. -0.007 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

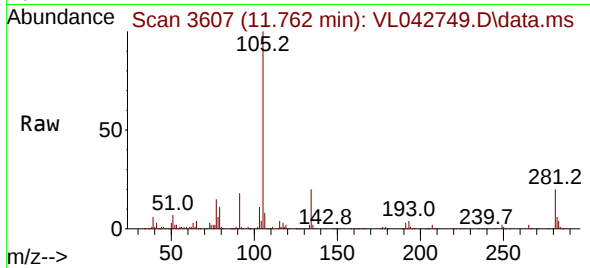
Tgt Ion: 91 Resp: 4700
Ion Ratio Lower Upper
91 100
126 20.3 14.4 21.6
128 6.5 5.2 7.8





#67
 sec-Butylbenzene
 Concen: 1.053 ppbv
 RT: 11.762 min Scan# 3607
 Delta R.T. -0.003 min
 Lab File: VL042749.D
 Acq: 23 Jul 2025 10:08

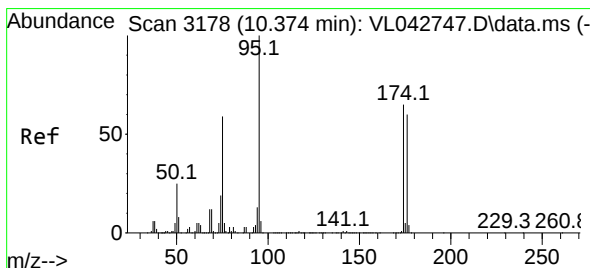
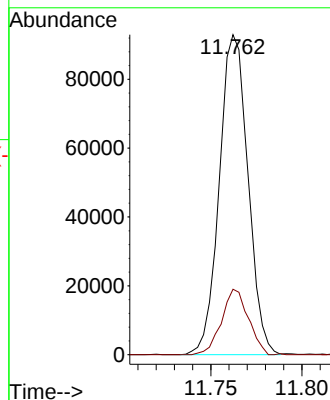
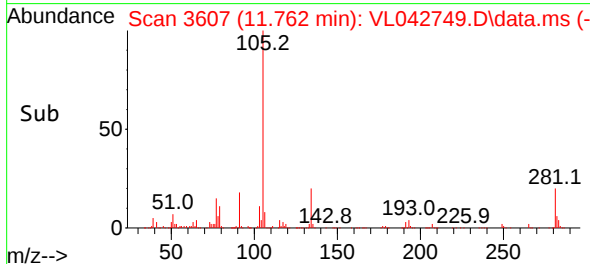
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001



Tgt Ion: 105 Resp: 101458
 Ion Ratio Lower Upper
 105 100
 134 19.1 15.5 23.3

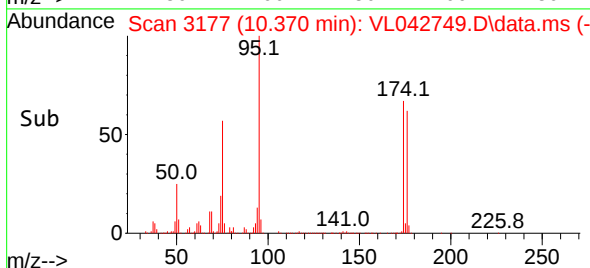
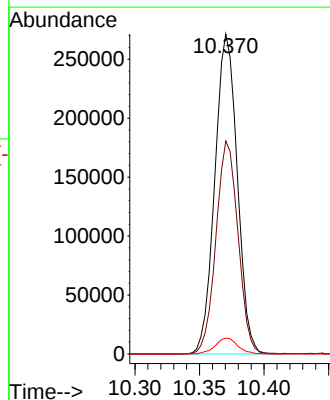
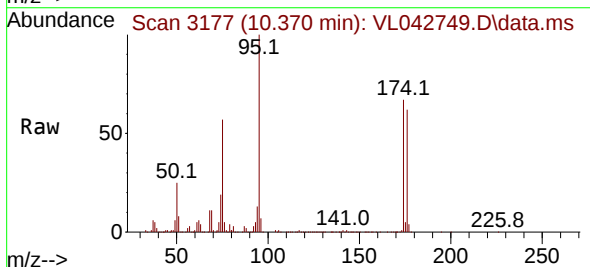
Manual Integrations
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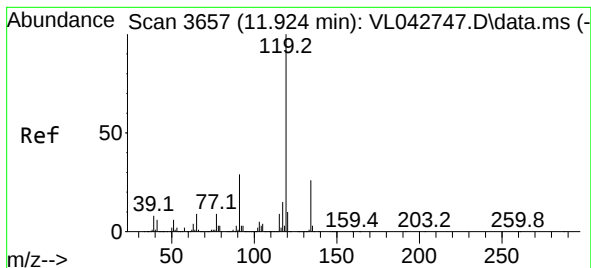
Reviewed By :Semsettin Yesilyurt 07/24/2025
 Supervised By :Mahesh Dadoda 07/24/2025



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.091 ppbv
 RT: 10.370 min Scan# 3177
 Delta R.T. -0.003 min
 Lab File: VL042749.D
 Acq: 23 Jul 2025 10:08

Tgt Ion: 95 Resp: 327673
 Ion Ratio Lower Upper
 95 100
 174 65.4 53.8 80.6
 175 5.0 4.0 6.0





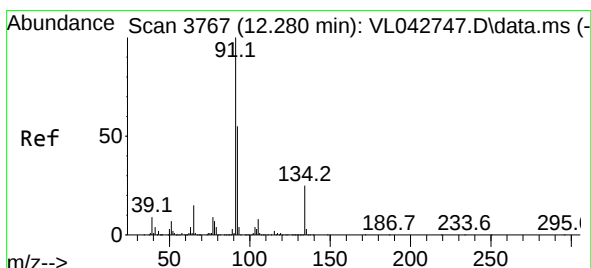
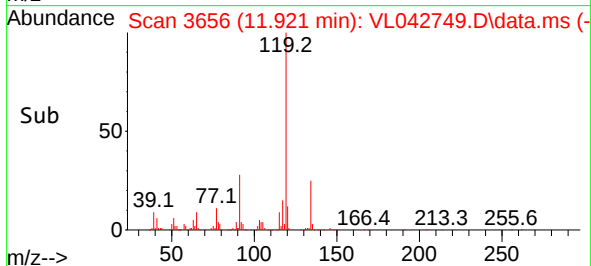
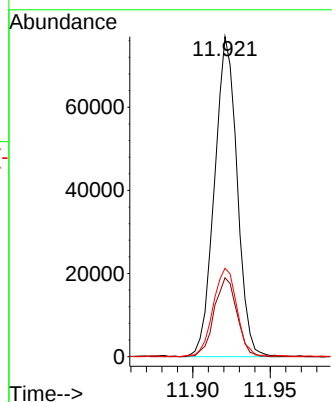
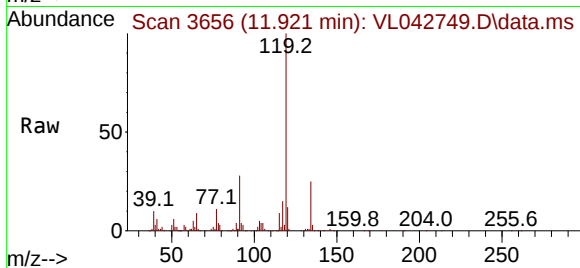
#69
 p-Isopropyltoluene
 Concen: 0.995 ppbv
 RT: 11.921 min Scan# 3656
 Delta R.T. -0.003 min
 Lab File: VL042749.D
 Acq: 23 Jul 2025 10:08

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tgt Ion: 119 Resp: 78186
 Ion Ratio Lower Upper
 119 100
 134 24.8 20.6 31.0
 91 29.8 23.2 34.8

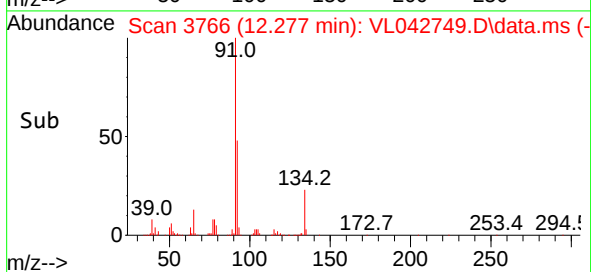
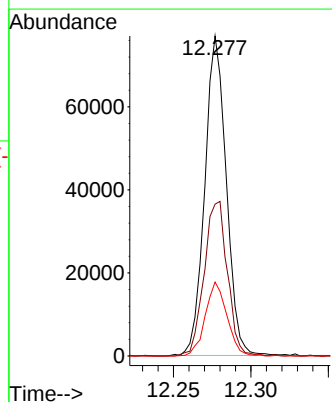
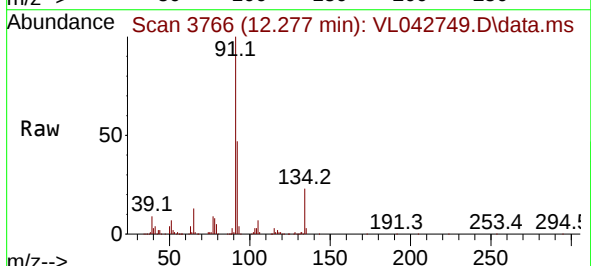
Manual Integrations
 APPROVED

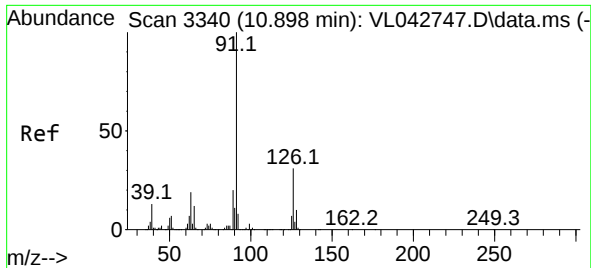
Reviewed By :Semsettin Yesilyurt 07/24/2025
 Supervised By :Mahesh Dadoda 07/24/2025



#70
 n-Butylbenzene
 Concen: 0.978 ppbv
 RT: 12.277 min Scan# 3766
 Delta R.T. -0.003 min
 Lab File: VL042749.D
 Acq: 23 Jul 2025 10:08

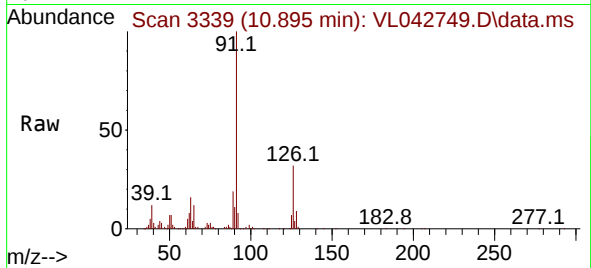
Tgt Ion: 91 Resp: 74257
 Ion Ratio Lower Upper
 91 100
 92 52.4 43.4 65.2
 134 23.4 19.6 29.4





#71
2-Chlorotoluene
Concen: 1.012 ppbv
RT: 10.895 min Scan# 31
Delta R.T. -0.003 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

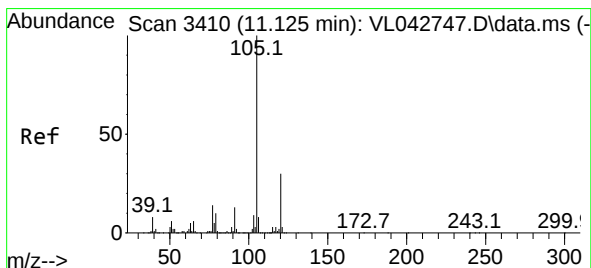
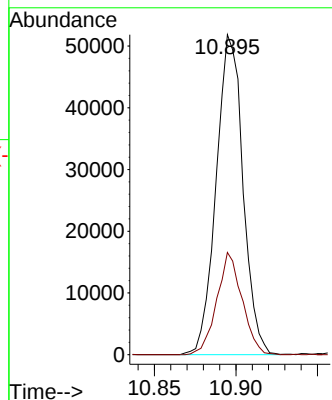
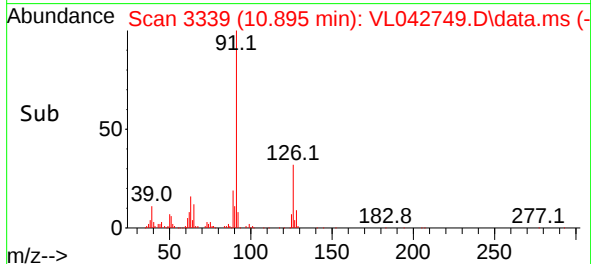
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001



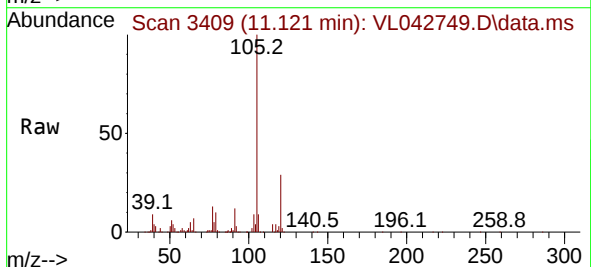
Tgt Ion: 91 Resp: 5919
Ion Ratio Lower Upper
91 100
126 30.1 12.0 48.2

Manual Integrations
APPROVED

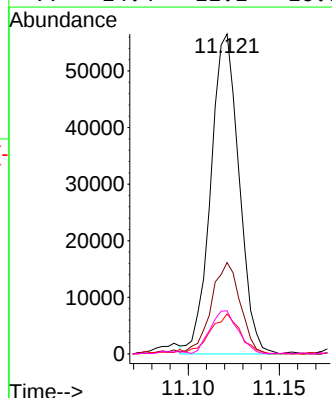
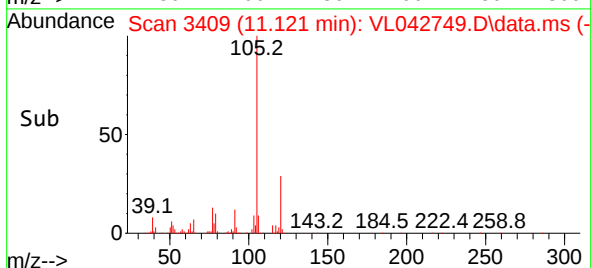
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

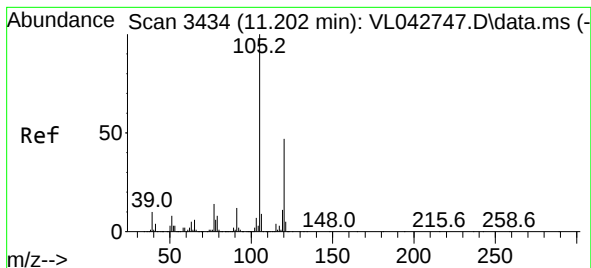


#72
4-Ethyltoluene
Concen: 0.991 ppbv
RT: 11.121 min Scan# 3409
Delta R.T. -0.003 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08



Tgt Ion:105 Resp: 61199
Ion Ratio Lower Upper
105 100
120 30.2 24.4 36.6
91 14.2 10.6 15.8
77 14.4 11.1 16.7





#73

1,3,5-Trimethylbenzene

Concen: 0.962 ppbv

RT: 11.199 min Scan# 3434

Delta R.T. -0.003 min

Lab File: VL042749.D

Acq: 23 Jul 2025 10:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tgt Ion:105 Resp: 4890

Ion Ratio Lower Upper

105 100

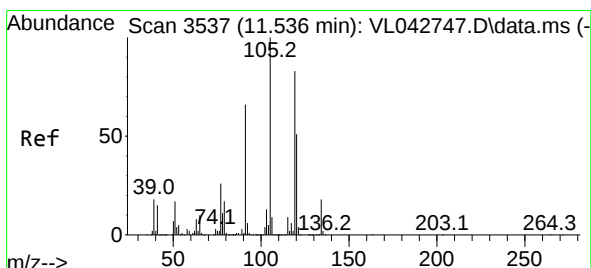
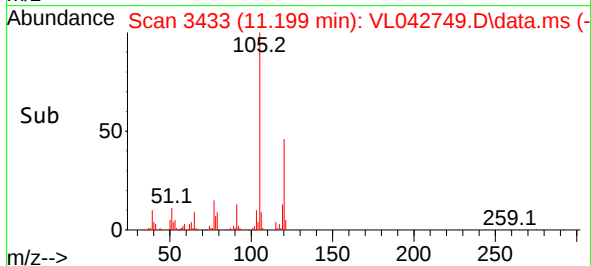
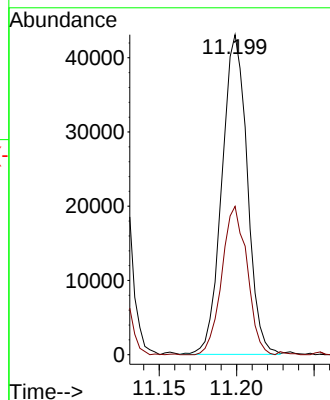
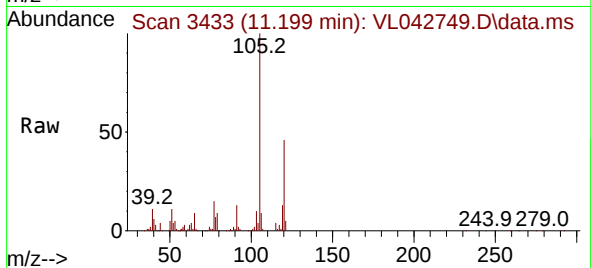
120 46.4 37.8 56.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/24/2025

Supervised By :Mahesh Dadoda 07/24/2025



#74

1,2,4-Trimethylbenzene

Concen: 0.994 ppbv

RT: 11.532 min Scan# 3536

Delta R.T. -0.003 min

Lab File: VL042749.D

Acq: 23 Jul 2025 10:08

Tgt Ion:105 Resp: 55153

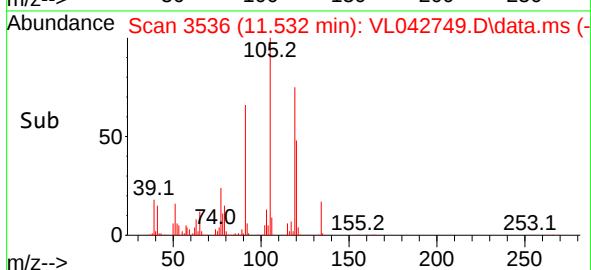
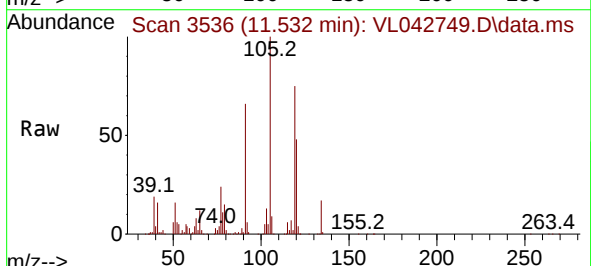
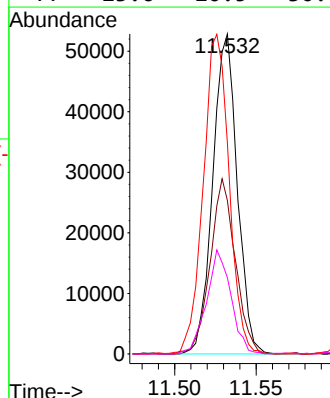
Ion Ratio Lower Upper

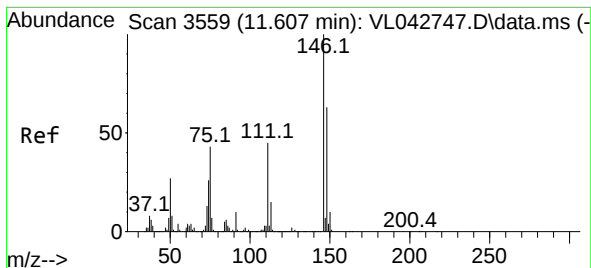
105 100

120 48.0 40.8 61.2

91 65.8 53.0 79.4

77 23.6 20.5 30.7





#75

1,3-Dichlorobenzene

Concen: 1.022 ppbv

RT: 11.600 min Scan# 3559

Delta R.T. -0.007 min

Lab File: VL042749.D

Acq: 23 Jul 2025 10:08

Instrument :

MSVOA_L

ClientSampleId :

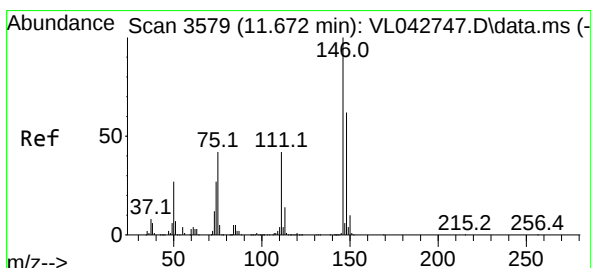
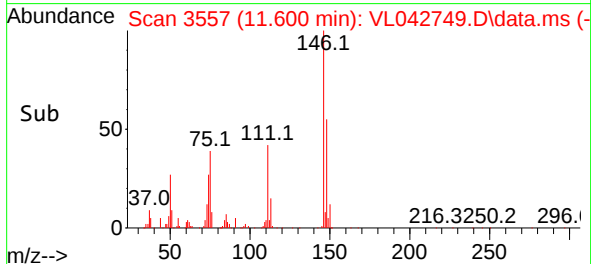
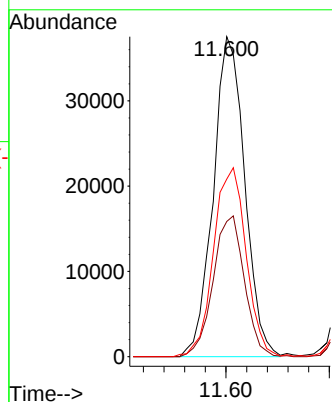
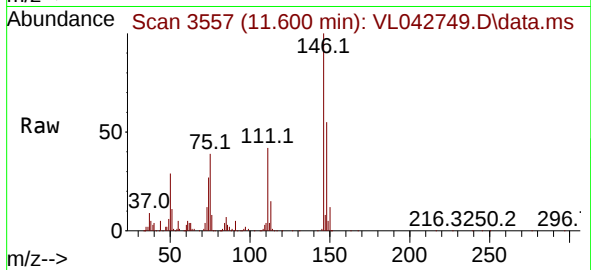
VSTDIC001

Tgt Ion:	146	Resp:	3975
Ion Ratio	Lower	Upper	
146	100		
111	43.6	22.7	68.0
148	61.0	31.9	95.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025



#76

1,4-Dichlorobenzene

Concen: 0.999 ppbv

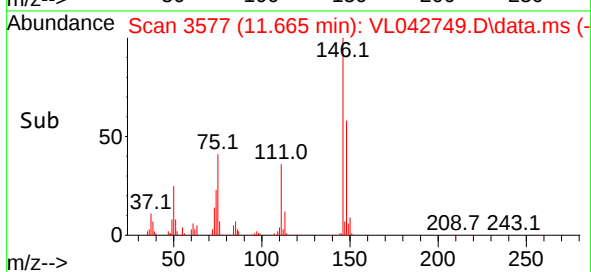
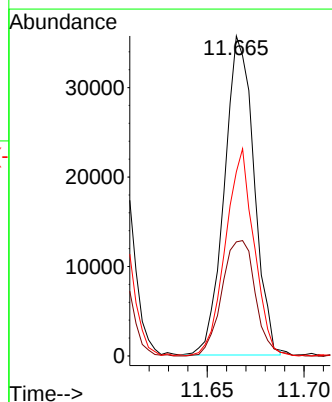
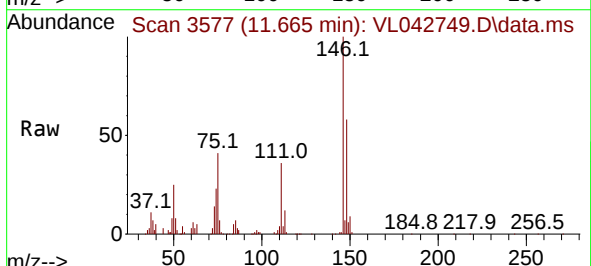
RT: 11.665 min Scan# 3577

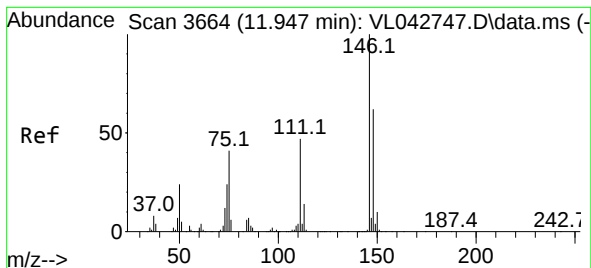
Delta R.T. -0.007 min

Lab File: VL042749.D

Acq: 23 Jul 2025 10:08

Tgt Ion:	146	Resp:	38018
Ion Ratio	Lower	Upper	
146	100		
111	40.8	21.4	64.2
148	63.1	32.1	96.3





#77

1,2-Dichlorobenzene

Concen: 1.068 ppbv

RT: 11.943 min Scan# 30

Delta R.T. -0.003 min

Lab File: VL042749.D

Acq: 23 Jul 2025 10:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC001

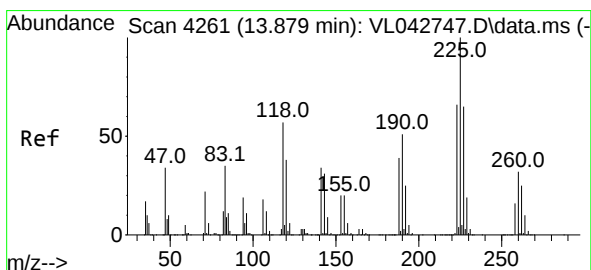
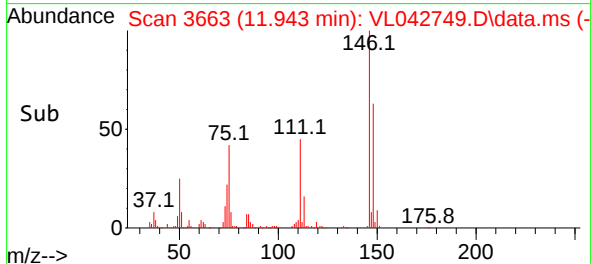
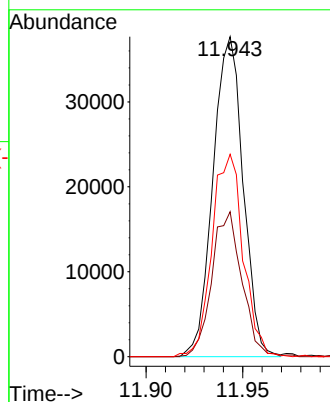
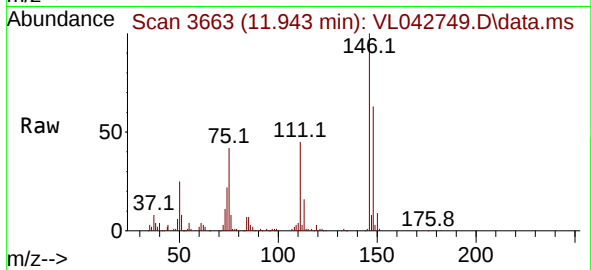
Tgt Ion:146 Resp: 4083

Ion	Ratio	Lower	Upper
146	100		
111	45.3	23.7	71.1
148	65.5	32.6	97.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025



#78

Hexachloro-1,3-Butadiene

Concen: 1.076 ppbv

RT: 13.876 min Scan# 4260

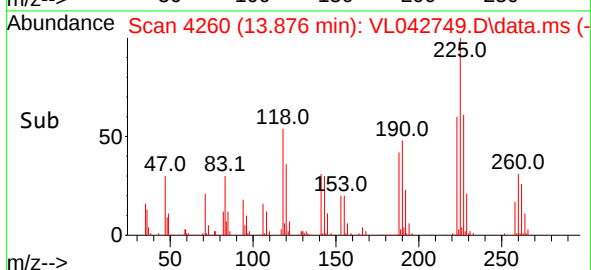
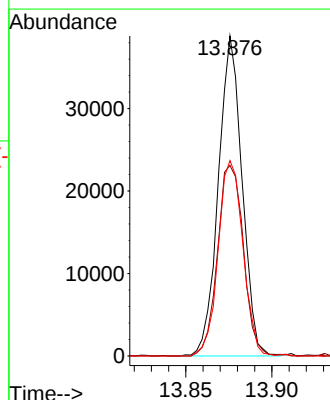
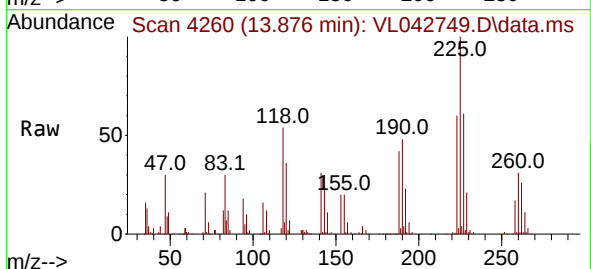
Delta R.T. -0.003 min

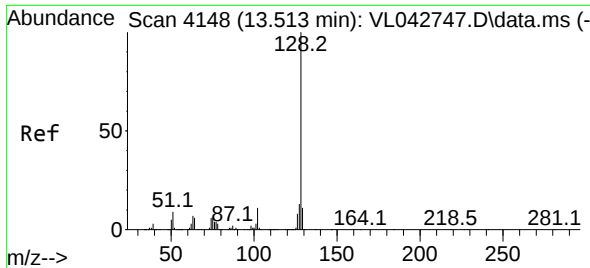
Lab File: VL042749.D

Acq: 23 Jul 2025 10:08

Tgt Ion:225 Resp: 37228

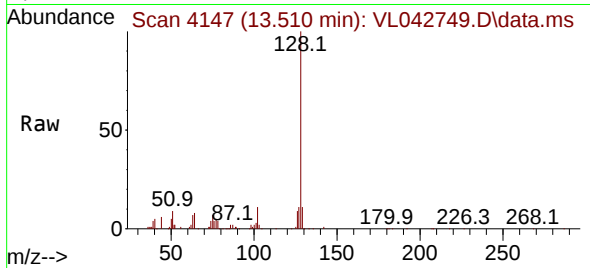
Ion	Ratio	Lower	Upper
225	100		
223	65.2	50.7	76.1
227	63.9	50.5	75.7





#79
Naphthalene
Concen: 0.907 ppbv
RT: 13.510 min Scan# 4148
Delta R.T. -0.003 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

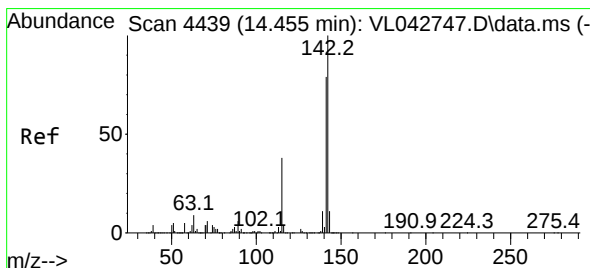
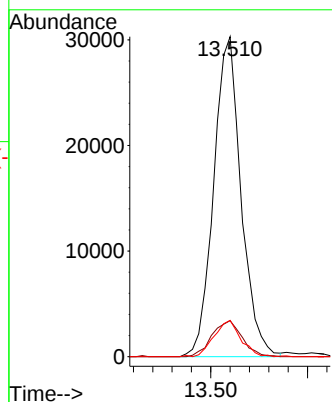
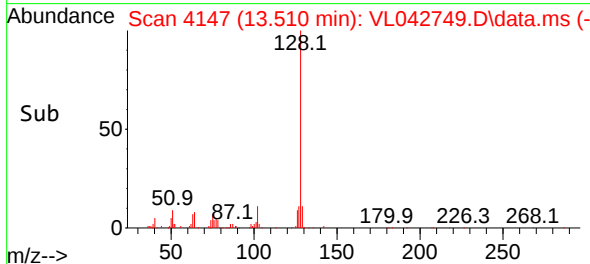
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



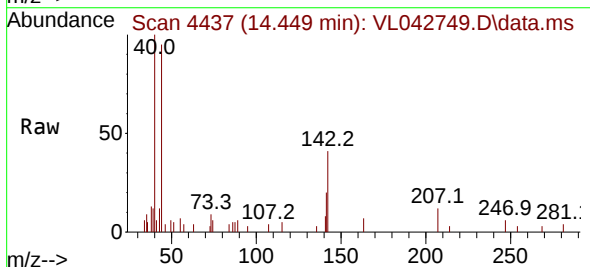
Tgt Ion:128 Resp: 29792
Ion Ratio Lower Upper
128 100
127 11.3 10.5 15.7
129 11.4 8.6 13.0

Manual Integrations
APPROVED

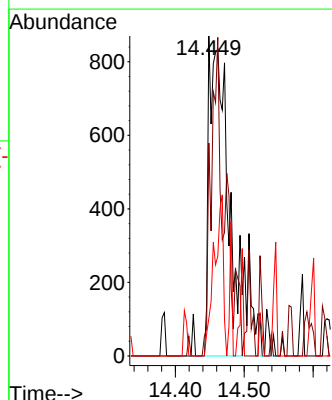
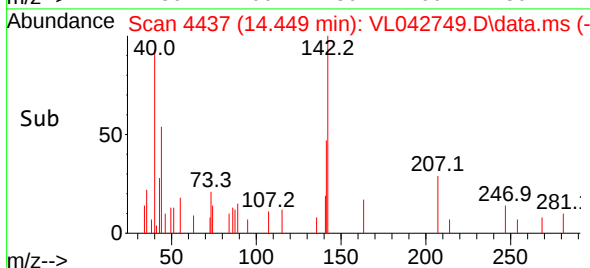
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

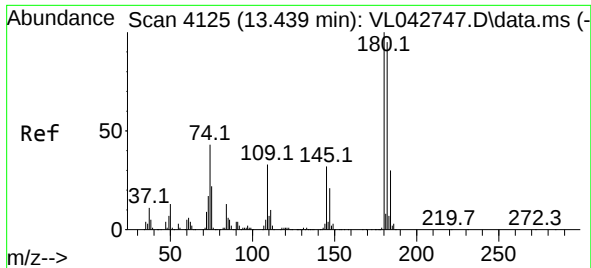


#80
Naphthalene,2-methyl-
Concen: 1.184 ppbv
RT: 14.449 min Scan# 4437
Delta R.T. -0.007 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08



Tgt Ion:142 Resp: 1950
Ion Ratio Lower Upper
142 100
141 63.5 65.8 98.8#
115 25.1 31.2 46.8#





#81

1,2,4-Trichlorobenzene

Concen: 1.053 ppbv

RT: 13.435 min Scan# 41

Delta R.T. -0.003 min

Lab File: VL042749.D

Acq: 23 Jul 2025 10:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC001

Tgt Ion:180 Resp: 21929

Ion Ratio Lower Upper

180 100

182 96.7 76.2 114.2

184 28.7 24.8 37.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/24/2025

Supervised By :Mahesh Dadoda 07/24/2025

