

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL100225\
 Data File : VL043034.D
 Acq On : 02 Oct 2025 11:29
 Operator : SY/MD
 Sample : VSTDICC001
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC001

Quant Time: Oct 03 08:03:15 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL100225AIR.M

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

QLast Update : Fri Oct 03 07:59:23 2025

Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 10/03/2025
 Supervised By : Mahesh Dadoda 10/10/2025

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

Internal Standards						
1) Bromochloromethane	2.774	49	174129	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.936	114	522004	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.859	117	431704	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.357 95 313212 10.071 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 100.700%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.492	85	31391	1.070	ppbv	98
3) Chlorodifluoromethane	1.470	51	29622	1.043	ppbv	97
4) Chloromethane	1.528	50	11539	1.076	ppbv	91
5) Vinyl Chloride	1.573	62	9984	0.981	ppbv	98
6) Bromomethane	1.661	94	4926	1.078	ppbv	97
7) Chloroethane	1.699	64	4474	1.054	ppbv	90
8) Dichlorotetrafluoroethane	1.547	85	24892	1.035	ppbv	98
9) Propene	1.479	41	12033	1.051	ppbv	97
10) Heptane	4.952	43	27247	0.966	ppbv	98
11) Trichlorofluoromethane	1.871	101	32491	1.077	ppbv	95
12) 1,1,2-Trichlorotrifluo...	2.130	101	24551	1.034	ppbv	99
13) Ethanol	1.716	45	849	0.777	ppbv #	48
14) Bromoethene	1.774	108	8693	1.021	ppbv #	94
15) Acetone	1.829	43	27190	1.115	ppbv	97
16) 1,3-Butadiene	1.602	39	10229	1.018	ppbv	100
17) tert-Butyl alcohol	2.033	59	27609	1.071	ppbv	96
18) 1,1-Dichloroethene	2.026	96	10892	1.046	ppbv	94
19) Isopropyl Alcohol	1.877	45	12661	1.084	ppbv	86
20) Methylene Chloride	2.052	84	11906	1.119	ppbv #	92
21) Allyl Chloride	2.088	41	15455	0.989	ppbv	96
22) trans-1,2-Dichloroethene	2.331	96	12411	1.050	ppbv	99
23) Vinyl Acetate	2.450	43	5498	1.062	ppbv #	77
24) 1,1-Dichloroethane	2.399	63	23773	1.061	ppbv	97
25) Ethyl Acetate	2.823	43	63776	1.043	ppbv	100
26) Hexane	2.813	57	22126	0.940	ppbv	80
27) Carbon Disulfide	2.140	76	28818	1.037	ppbv #	62
28) Methyl tert-Butyl Ether	2.428	73	15176	1.031	ppbv	99
29) Chloroform	2.832	83	41697	1.039	ppbv	99
30) Cyclohexane	3.839	84	18605	0.962	ppbv	97
31) cis-1,2-Dichloroethene	2.709	61	24206	1.001	ppbv	97
32) 1,1,1-Trichloroethane	3.350	97	38581	0.990	ppbv	95
34) 2-Butanone	2.544	43	35775	1.010	ppbv	100
35) Carbon Tetrachloride	3.742	117	41999	0.978	ppbv	94
36) Benzene	3.638	78	51343	1.029	ppbv	95
37) 1,2-Dichloroethane	3.201	62	30102	1.019	ppbv	99
38) Trichloroethene	4.519	130	22132	1.065	ppbv	90
39) 1,2-Dichloropropane	4.289	63	18915	1.023	ppbv	90
40) 1,4-Dioxane	4.564	88	7860m	0.990	ppbv	
41) Tetrahydrofuran	3.043	42	17630	0.963	ppbv	98
42) Bromodichloromethane	4.460	83	42012	1.007	ppbv	89
43) Methyl Methacrylate	4.849	69	14911	0.901	ppbv	95
44) 2,2,4-Trimethylpentane	4.609	57	77988	0.975	ppbv	96
45) t-1,3-Dichloropropene	6.380	75	13974	0.932	ppbv	92

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL100225\
 Data File : VL043034.D
 Acq On : 02 Oct 2025 11:29
 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 10/03/2025
 Supervised By :Mahesh Dadoda 10/10/2025

Quant Time: Oct 03 08:03:15 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL100225AIR.M

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

QLast Update : Fri Oct 03 07:59:23 2025

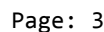
Response via : Initial Calibration

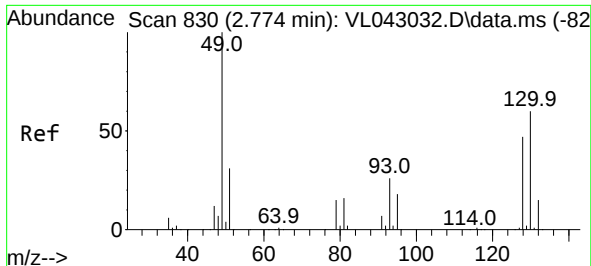
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.570	75	20141m	0.945	ppbv	
47) 1,1,2-Trichloroethane	6.548	97	21164	1.029	ppbv #	85
48) Dibromochloromethane	7.357	129	33636	1.002	ppbv	100
49) Bromoform	9.464	173	26918	0.960	ppbv	98
50) 4-Methyl-2-Pentanone	5.729	43	39803	0.922	ppbv	98
51) 2-Hexanone	7.415	43	26904	0.878	ppbv #	95
52) Tetrachloroethene	8.202	164	17908	0.964	ppbv	97
53) Toluene	6.904	91	45974	0.913	ppbv	98
54) 1,2-Dibromoethane	7.626	107	24648	1.011	ppbv	85
56) 1,1,1,2-Tetrachloroethane	8.904	131	26884	1.022	ppbv	95
57) Chlorobenzene	8.898	112	47296	1.036	ppbv	97
58) Ethyl Benzene	9.335	91	59544	0.890	ppbv	97
59) m/p-Xylene	9.532	91	106322m	1.884	ppbv	
60) o-Xylene	9.943	91	52489	0.934	ppbv	100
61) Styrene	9.849	104	19376	0.823	ppbv	97
62) Isopropylbenzene	10.523	105	82825	0.960	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.943	83	40981	1.012	ppbv	99
64) n-propylbenzene	10.972	120	21190	0.960	ppbv	96
65) tert-Butylbenzene	11.516	119	74677	0.973	ppbv	99
66) Benzyl Chloride	11.597	91	2866	0.963	ppbv	98
67) sec-Butylbenzene	11.752	105	106876	0.998	ppbv	100
69) p-Isopropyltoluene	11.911	119	81108	0.931	ppbv	99
70) n-Butylbenzene	12.267	91	76664	0.914	ppbv	97
71) 2-Chlorotoluene	10.885	91	58174	0.932	ppbv	100
72) 4-Ethyltoluene	11.108	105	61540	0.920	ppbv	98
73) 1,3,5-Trimethylbenzene	11.189	105	54851	0.948	ppbv	94
74) 1,2,4-Trimethylbenzene	11.519	105	64405	0.986	ppbv	98
75) 1,3-Dichlorobenzene	11.591	146	42580	1.003	ppbv	98
76) 1,4-Dichlorobenzene	11.655	146	40098	0.990	ppbv	100
77) 1,2-Dichlorobenzene	11.930	146	44771	1.058	ppbv	99
78) Hexachloro-1,3-Butadiene	13.866	225	30422	1.032	ppbv	99
79) Naphthalene	13.497	128	32191	0.831	ppbv	98
80) Naphthalene,2-methyl-	14.442	142	7210	0.923	ppbv	99
81) 1,2,4-Trichlorobenzene	13.426	180	20534	0.816	ppbv	100

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

Manual Integrations APPROVED

Quant Time: Oct 03 08:03:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL100225AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Fri Oct 03 07:59:23 2025
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 2.774 min Scan# 81

Delta R.T. 0.000 min

Lab File: VL043034.D

Acq: 02 Oct 2025 11:29

Instrument :

MSVOA_L

ClientSampleId :

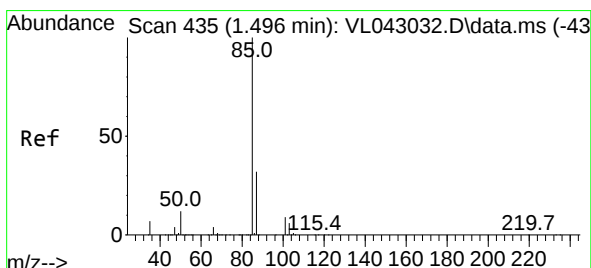
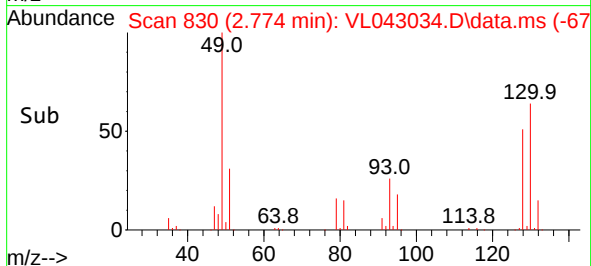
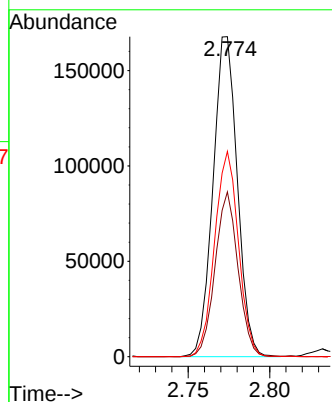
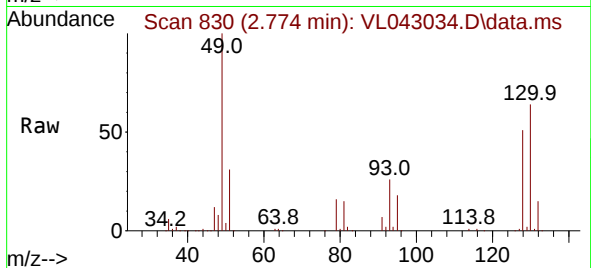
VSTDIC001

Tgt Ion: 49 Resp: 174129
 Ion Ratio Lower Upper
 49 100
 128 48.6 24.1 72.2
 130 62.9 31.4 94.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/03/2025
 Supervised By :Mahesh Dadoda 10/10/2025



#2

Dichlorodifluoromethane

Concen: 1.070 ppbv

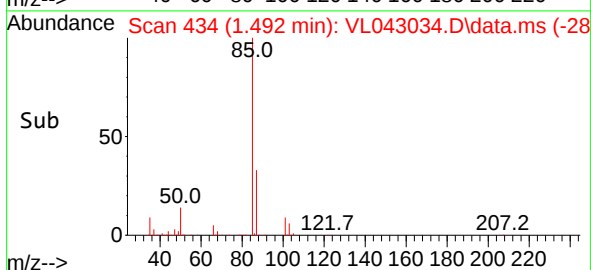
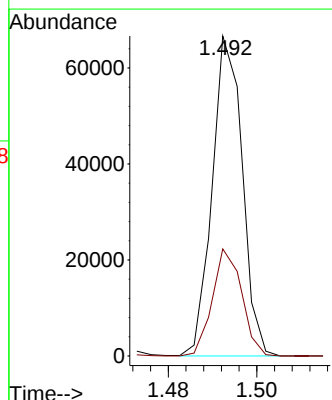
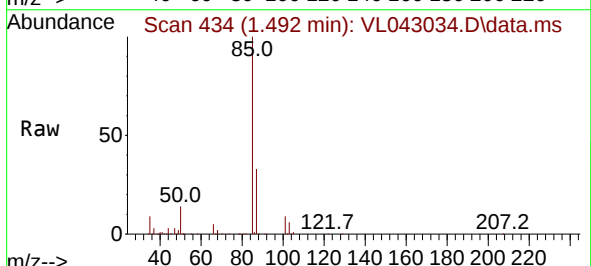
RT: 1.492 min Scan# 434

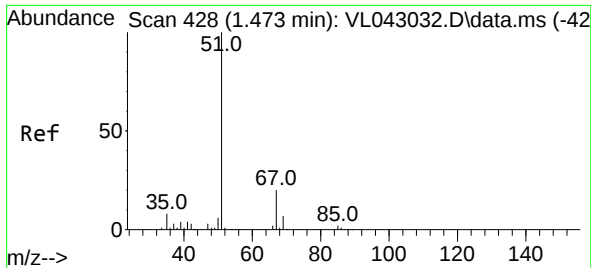
Delta R.T. -0.003 min

Lab File: VL043034.D

Acq: 02 Oct 2025 11:29

Tgt Ion: 85 Resp: 31391
 Ion Ratio Lower Upper
 85 100
 87 33.5 25.8 38.6





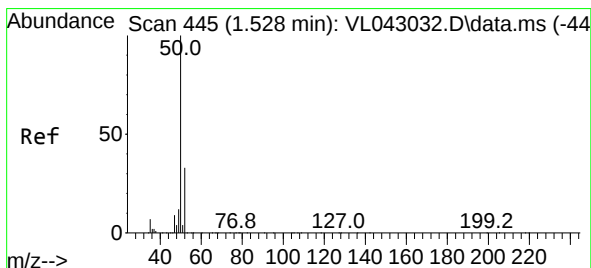
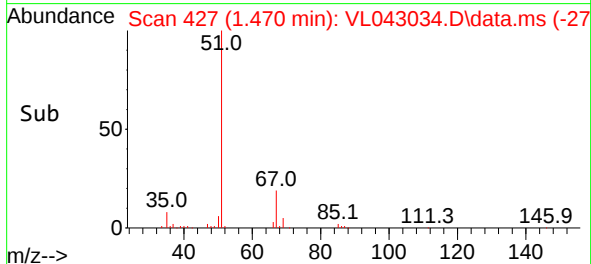
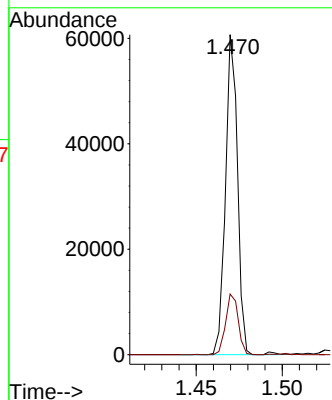
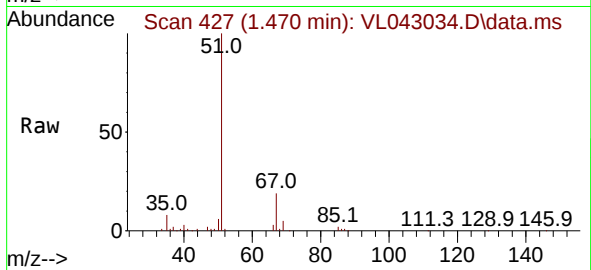
#3
Chlorodifluoromethane
Concen: 1.043 ppbv
RT: 1.470 min Scan# 41
Delta R.T. -0.003 min
Lab File: VL043034.D
Acq: 02 Oct 2025 11:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 51 Resp: 2962
Ion Ratio Lower Upper
51 100
67 20.1 15.1 22.7

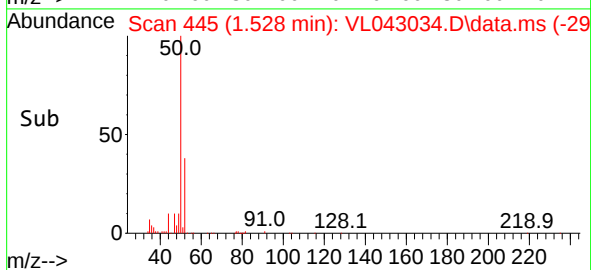
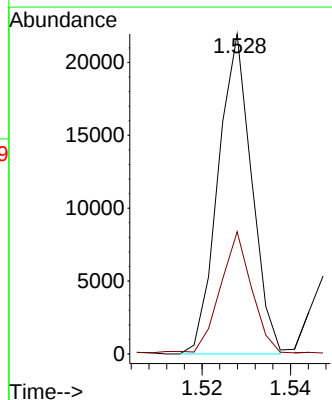
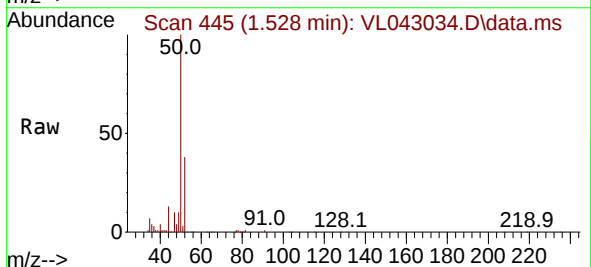
Manual Integrations
APPROVED

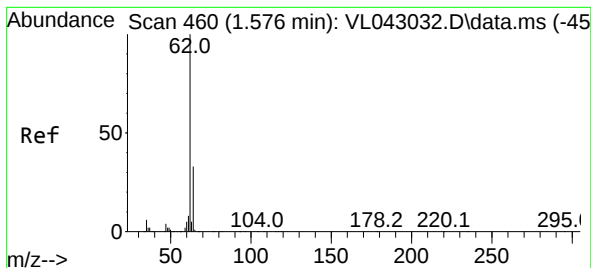
Reviewed By :Semsettin Yesilyurt 10/03/2025
Supervised By :Mahesh Dadoda 10/10/2025



#4
Chloromethane
Concen: 1.076 ppbv
RT: 1.528 min Scan# 445
Delta R.T. 0.000 min
Lab File: VL043034.D
Acq: 02 Oct 2025 11:29

Tgt Ion: 50 Resp: 11539
Ion Ratio Lower Upper
50 100
52 37.7 26.2 39.2





#5

Vinyl Chloride

Concen: 0.981 ppbv

RT: 1.573 min Scan# 41

Delta R.T. -0.003 min

Lab File: VL043034.D

Acq: 02 Oct 2025 11:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tgt Ion: 62 Resp: 9984

Ion Ratio Lower Upper

62 100

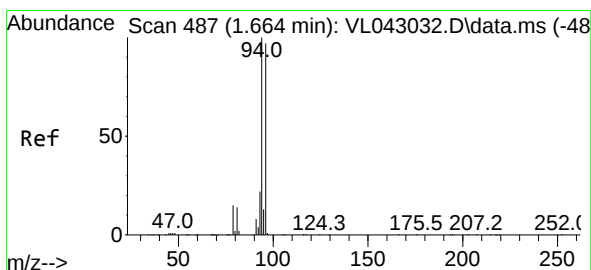
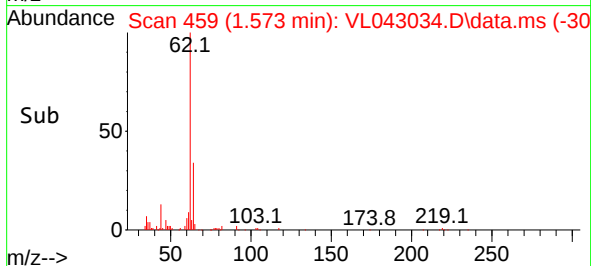
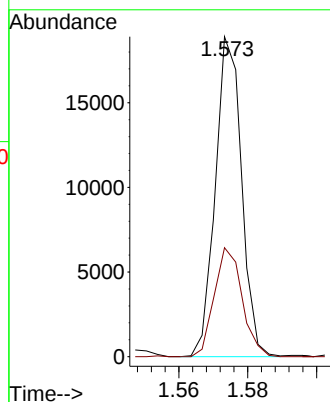
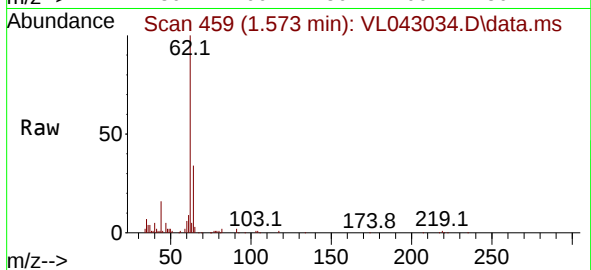
64 34.0 26.2 39.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/03/2025

Supervised By :Mahesh Dadoda 10/10/2025



#6

Bromomethane

Concen: 1.078 ppbv

RT: 1.661 min Scan# 486

Delta R.T. -0.003 min

Lab File: VL043034.D

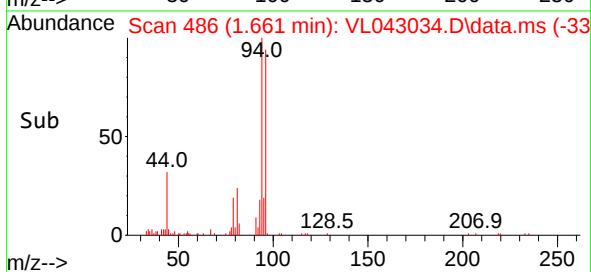
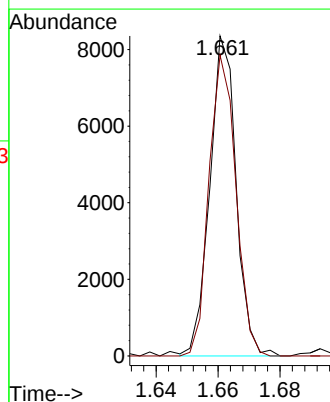
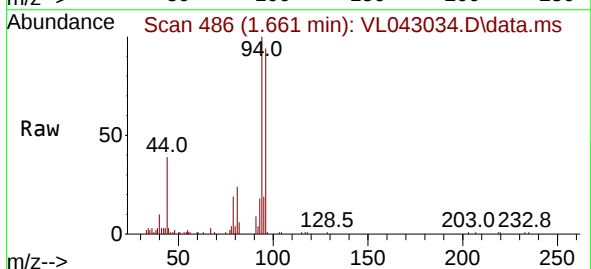
Acq: 02 Oct 2025 11:29

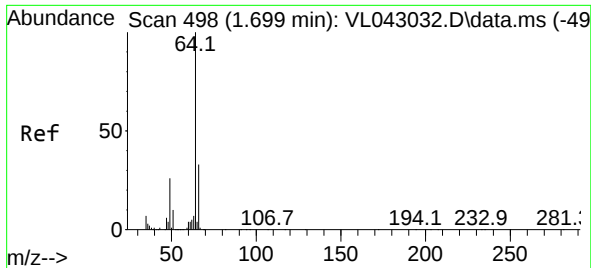
Tgt Ion: 94 Resp: 4926

Ion Ratio Lower Upper

94 100

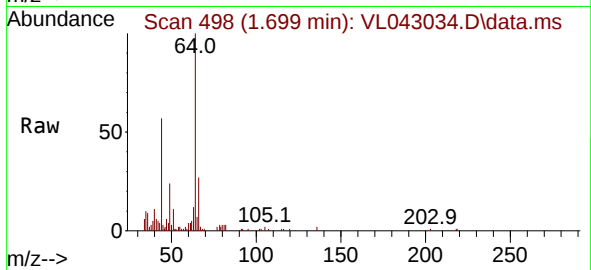
96 94.0 77.6 116.4





#7
Chloroethane
Concen: 1.054 ppbv
RT: 1.699 min Scan# 498
Delta R.T. 0.000 min
Lab File: VL043034.D
Acq: 02 Oct 2025 11:29

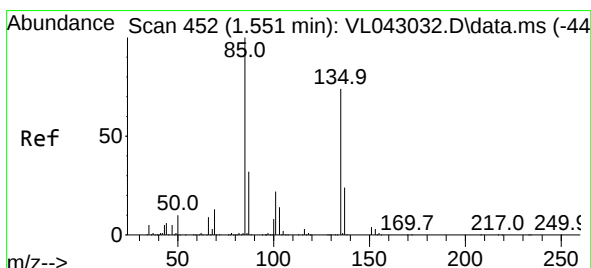
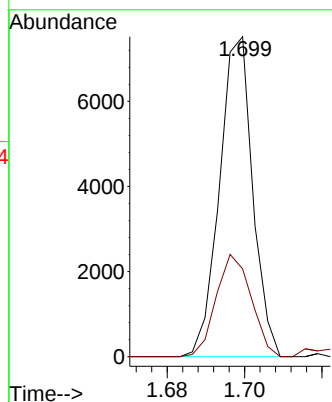
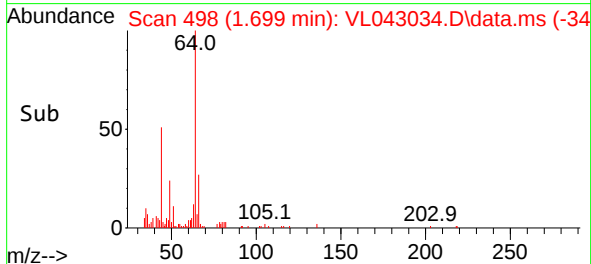
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



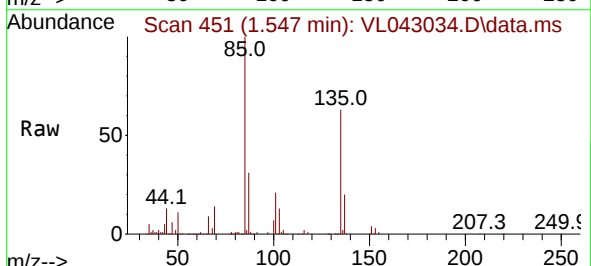
Tgt Ion: 64 Resp: 4474
Ion Ratio Lower Upper
64 100
66 27.5 26.6 39.8

Manual Integrations
APPROVED

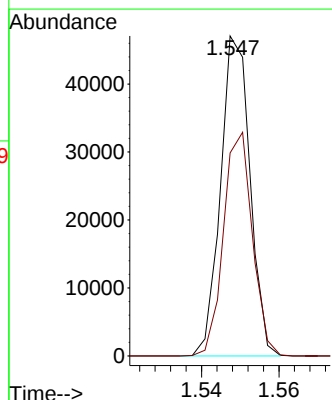
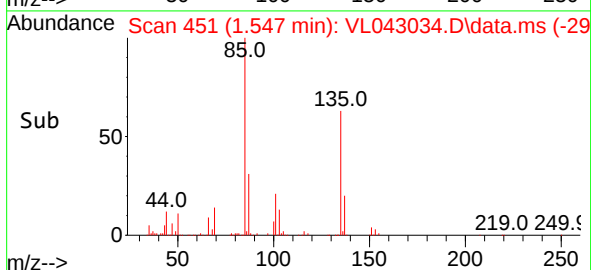
Reviewed By :Semsettin Yesilyurt 10/03/2025
Supervised By :Mahesh Dadoda 10/10/2025

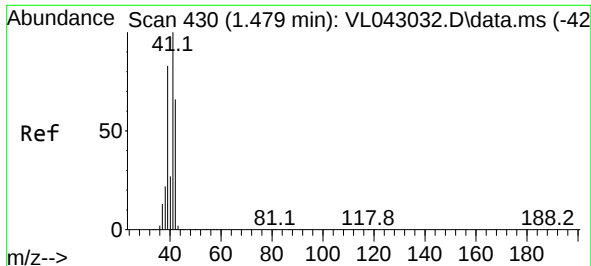


#8
Dichlorotetrafluoroethane
Concen: 1.035 ppbv
RT: 1.547 min Scan# 451
Delta R.T. -0.003 min
Lab File: VL043034.D
Acq: 02 Oct 2025 11:29



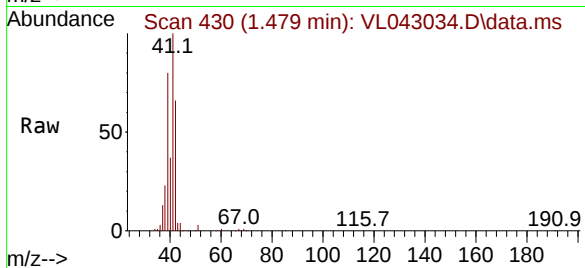
Tgt Ion: 85 Resp: 24892
Ion Ratio Lower Upper
85 100
135 68.7 56.3 84.5





#9
Propene
Concen: 1.051 ppbv
RT: 1.479 min Scan# 41
Delta R.T. 0.000 min
Lab File: VL043034.D
Acq: 02 Oct 2025 11:29

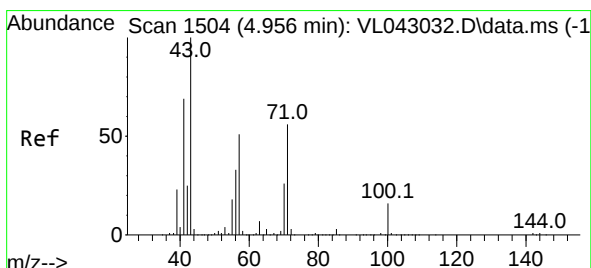
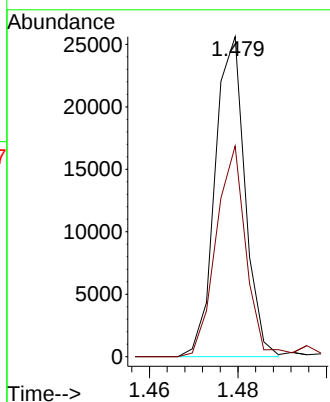
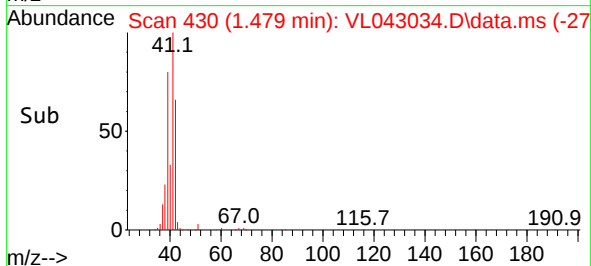
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001



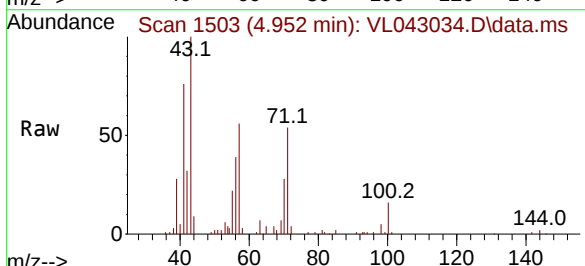
Tgt Ion: 41 Resp: 1203
Ion Ratio Lower Upper
41 100
42 69.3 53.3 79.9

Manual Integrations
APPROVED

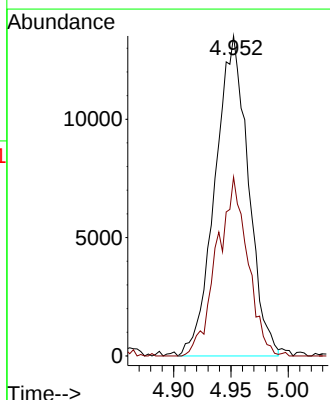
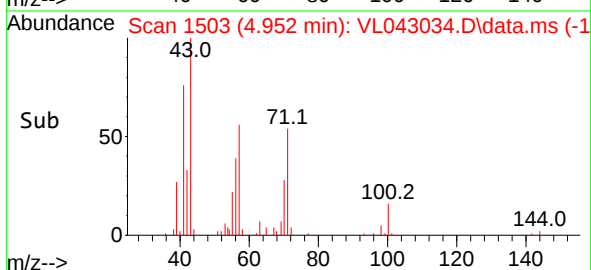
Reviewed By :Semsettin Yesilyurt 10/03/2025
Supervised By :Mahesh Dadoda 10/10/2025

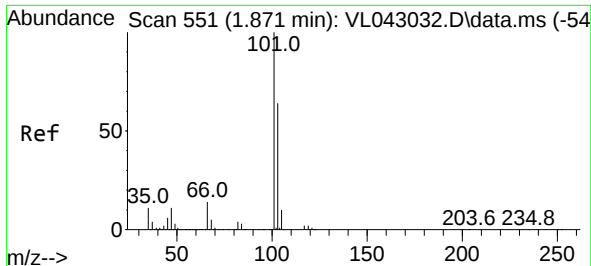


#10
Heptane
Concen: 0.966 ppbv
RT: 4.952 min Scan# 1503
Delta R.T. -0.003 min
Lab File: VL043034.D
Acq: 02 Oct 2025 11:29



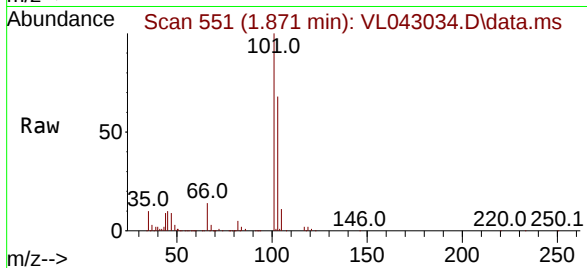
Tgt Ion: 43 Resp: 27247
Ion Ratio Lower Upper
43 100
57 51.9 40.3 60.5





#11
 Trichlorofluoromethane
 Concen: 1.077 ppbv
 RT: 1.871 min Scan# 551
 Delta R.T. 0.000 min
 Lab File: VL043034.D
 Acq: 02 Oct 2025 11:29

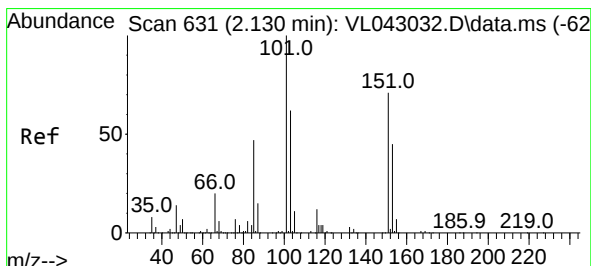
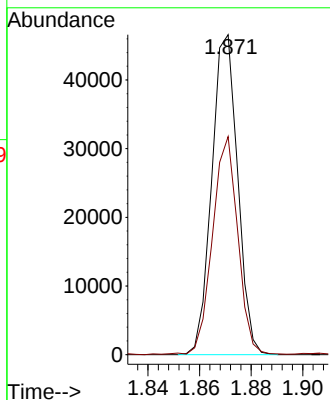
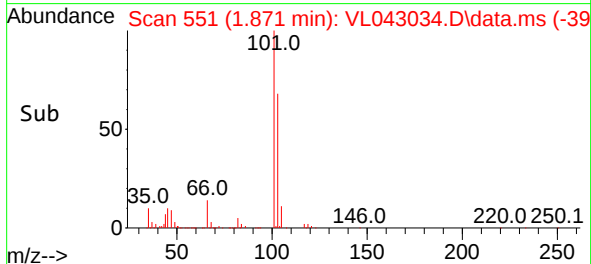
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001



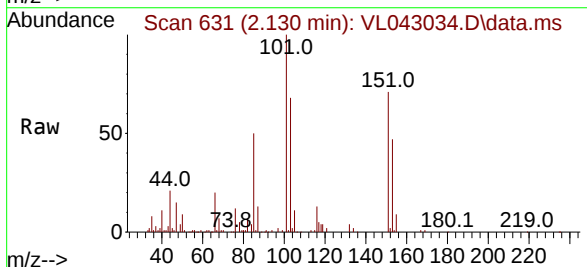
Tgt Ion:101 Resp: 3249
 Ion Ratio Lower Upper
 101 100
 103 67.9 51.1 76.7

Manual Integrations
 APPROVED

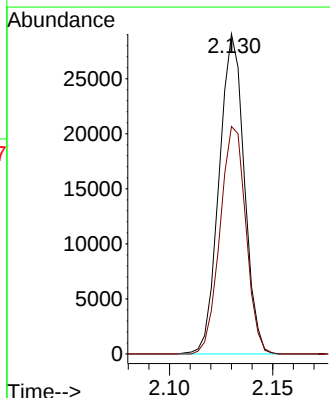
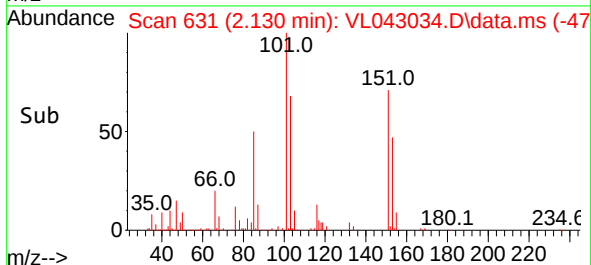
Reviewed By :Semsettin Yesilyurt 10/03/2025
 Supervised By :Mahesh Dadoda 10/10/2025

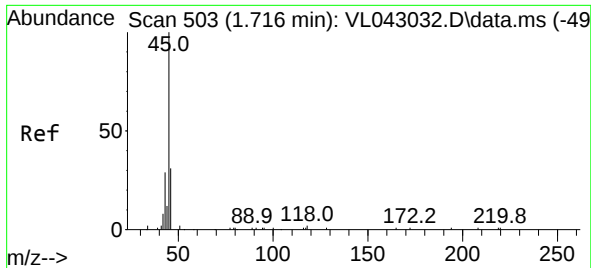


#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 1.034 ppbv
 RT: 2.130 min Scan# 631
 Delta R.T. 0.000 min
 Lab File: VL043034.D
 Acq: 02 Oct 2025 11:29



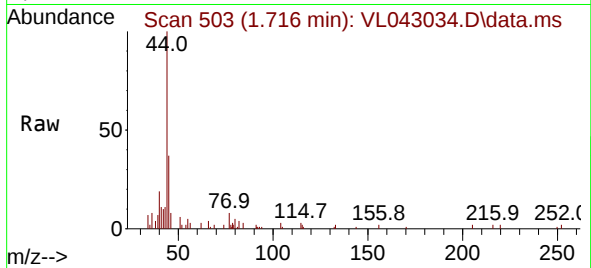
Tgt Ion:101 Resp: 24551
 Ion Ratio Lower Upper
 101 100
 151 73.2 58.1 87.1





#13
Ethanol
Concen: 0.777 ppbv
RT: 1.716 min Scan# 503
Delta R.T. -0.000 min
Lab File: VL043034.D
Acq: 02 Oct 2025 11:29

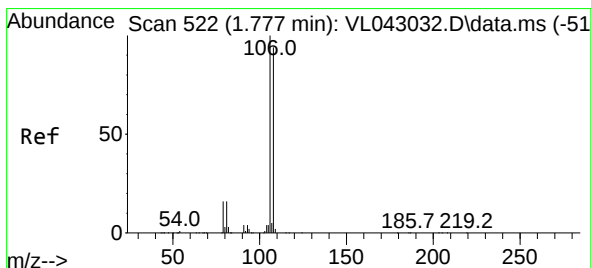
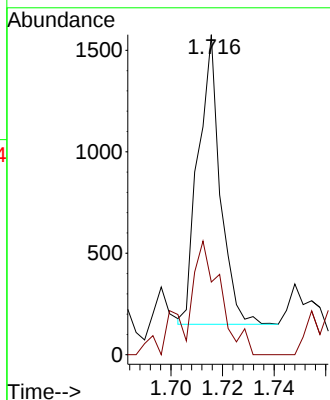
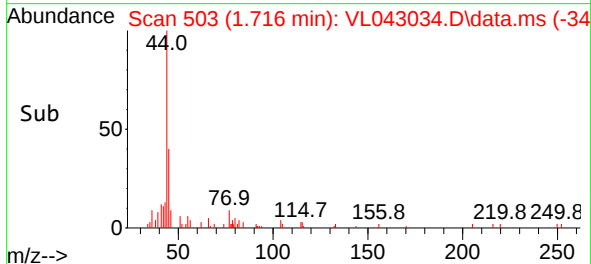
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001



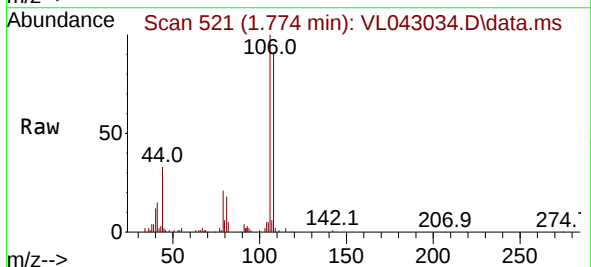
Tgt Ion: 45 Resp: 849
Ion Ratio Lower Upper
45 100
46 78.7 17.8 71.4

Manual Integrations
APPROVED

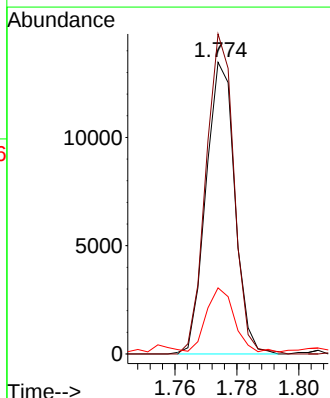
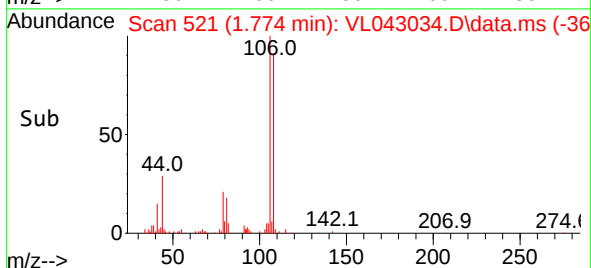
Reviewed By :Semsettin Yesilyurt 10/03/2025
Supervised By :Mahesh Dadoda 10/10/2025

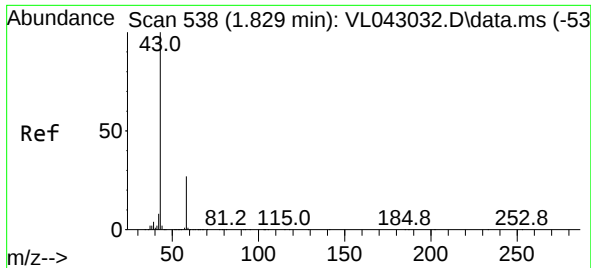


#14
Bromoethene
Concen: 1.021 ppbv
RT: 1.774 min Scan# 521
Delta R.T. -0.003 min
Lab File: VL043034.D
Acq: 02 Oct 2025 11:29



Tgt Ion:108 Resp: 8693
Ion Ratio Lower Upper
108 100
106 106.9 85.2 127.8
79 34.7 14.8 22.2





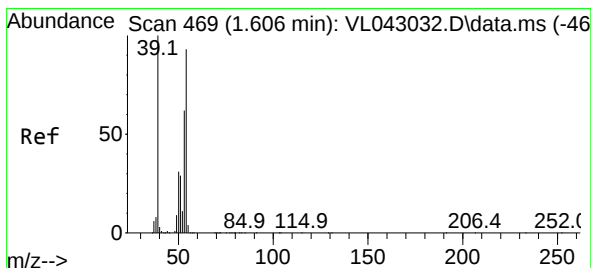
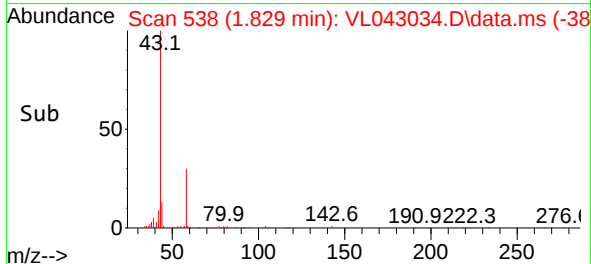
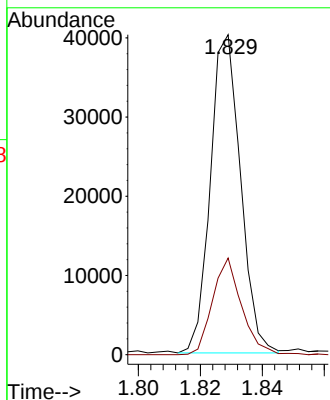
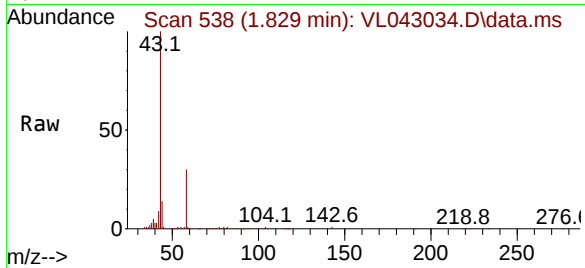
#15
Acetone
Concen: 1.115 ppbv
RT: 1.829 min Scan# 538
Delta R.T. 0.000 min
Lab File: VL043034.D
Acq: 02 Oct 2025 11:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion: 43 Resp: 27190
Ion Ratio Lower Upper
43 100
58 29.3 22.2 33.4

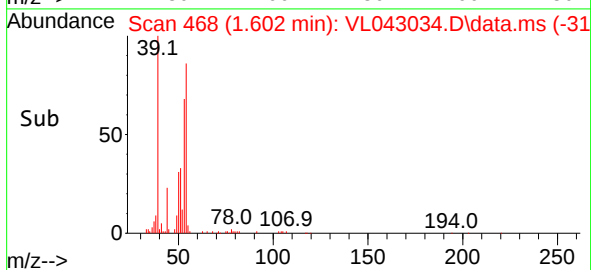
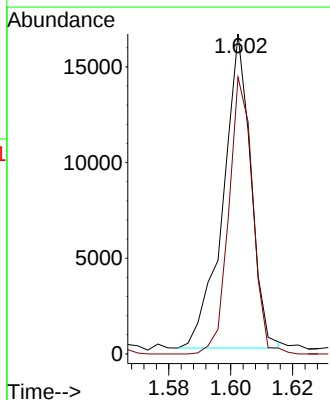
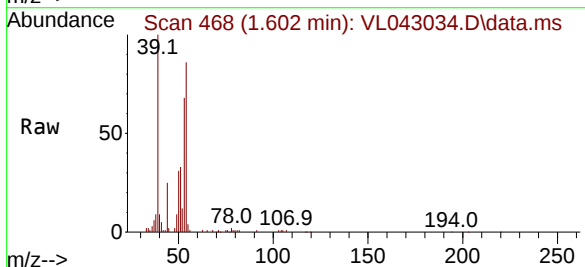
Manual Integrations
APPROVED

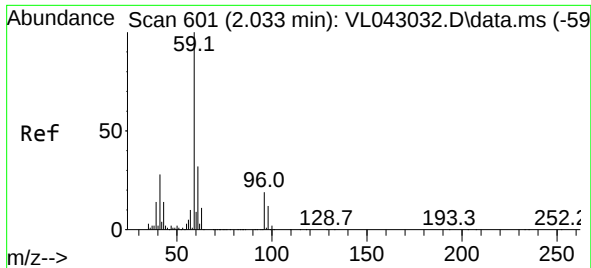
Reviewed By :Semsettin Yesilyurt 10/03/2025
Supervised By :Mahesh Dadoda 10/10/2025



#16
1,3-Butadiene
Concen: 1.018 ppbv
RT: 1.602 min Scan# 468
Delta R.T. -0.003 min
Lab File: VL043034.D
Acq: 02 Oct 2025 11:29

Tgt Ion: 39 Resp: 10229
Ion Ratio Lower Upper
39 100
54 76.8 61.4 92.2





#17

tert-Butyl alcohol

Concen: 1.071 ppbv

RT: 2.033 min Scan# 601

Delta R.T. 0.000 min

Lab File: VL043034.D

Acq: 02 Oct 2025 11:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tgt Ion: 59 Resp: 27609

Ion Ratio Lower Upper

59 100

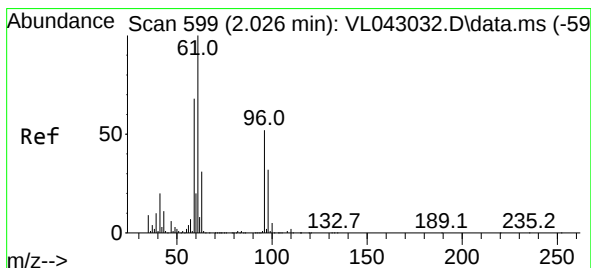
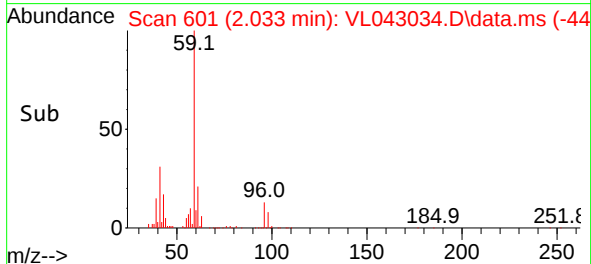
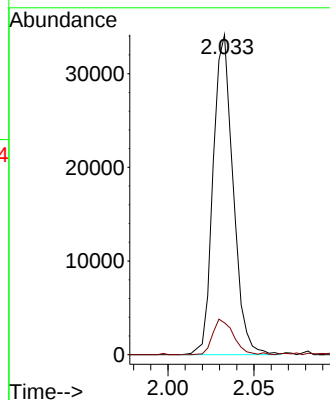
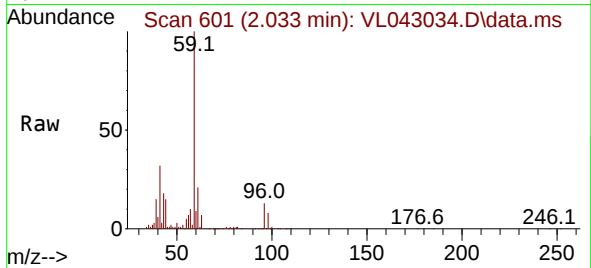
57 12.0 8.5 12.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/03/2025

Supervised By :Mahesh Dadoda 10/10/2025



#18

1,1-Dichloroethene

Concen: 1.046 ppbv

RT: 2.026 min Scan# 599

Delta R.T. 0.000 min

Lab File: VL043034.D

Acq: 02 Oct 2025 11:29

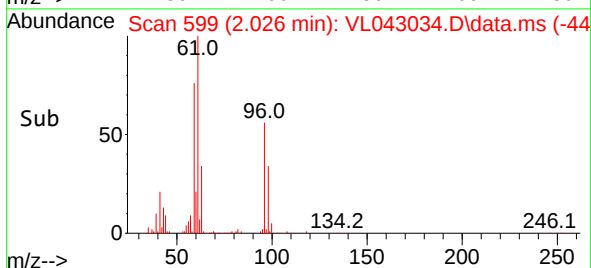
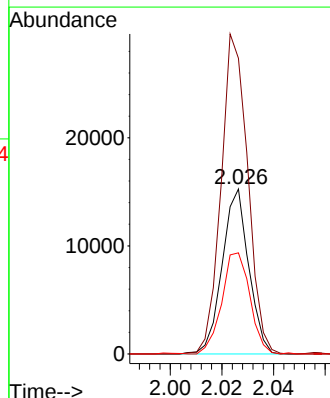
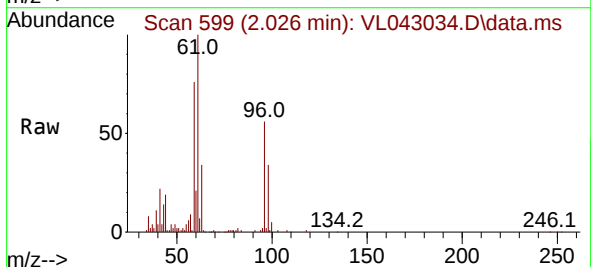
Tgt Ion: 96 Resp: 10892

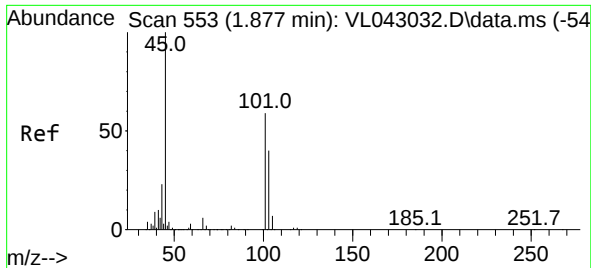
Ion Ratio Lower Upper

96 100

61 179.2 153.0 229.6

98 61.3 48.8 73.2





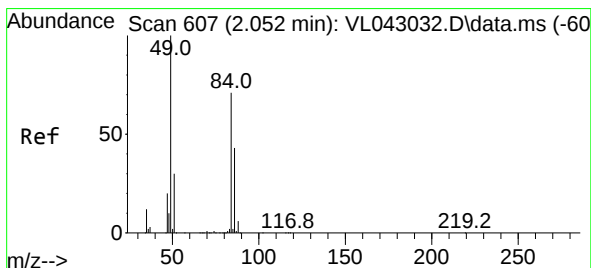
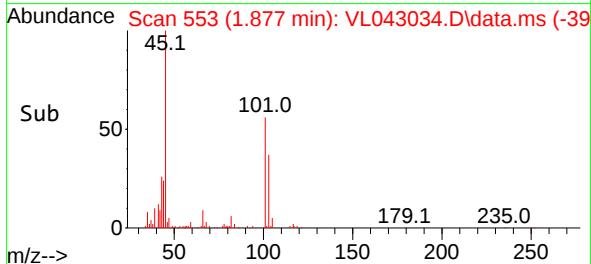
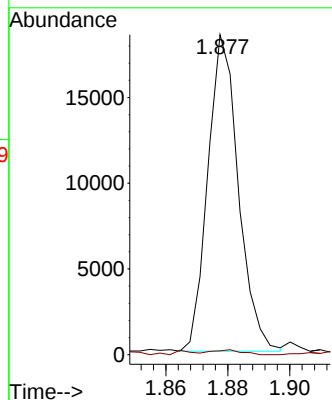
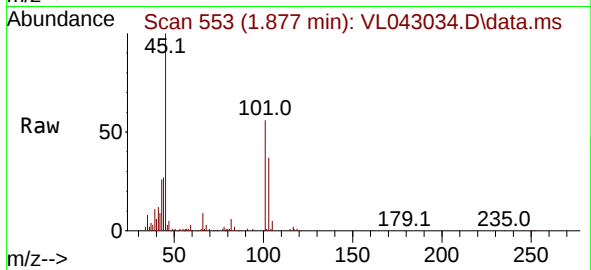
#19
Isopropyl Alcohol
Concen: 1.084 ppbv
RT: 1.877 min Scan# 553
Delta R.T. 0.000 min
Lab File: VL043034.D
Acq: 02 Oct 2025 11:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 45 Resp: 1266
Ion Ratio Lower Upper
45 100
58 62.9 42.3 63.5

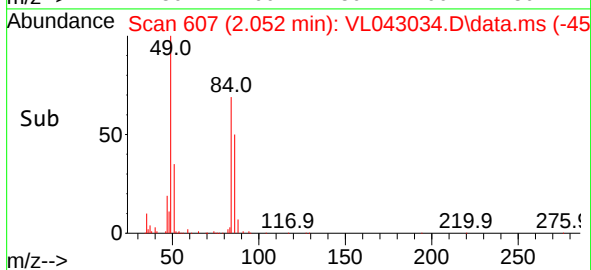
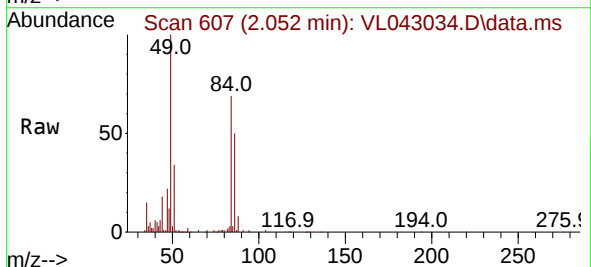
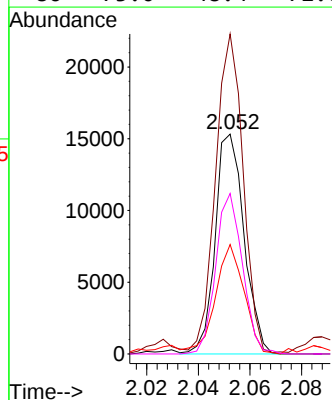
Manual Integrations
APPROVED

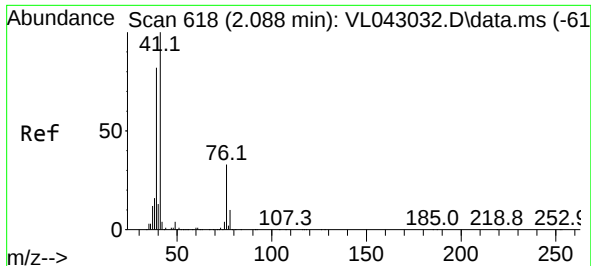
Reviewed By :Semsettin Yesilyurt 10/03/2025
Supervised By :Mahesh Dadoda 10/10/2025



#20
Methylene Chloride
Concen: 1.119 ppbv
RT: 2.052 min Scan# 607
Delta R.T. 0.000 min
Lab File: VL043034.D
Acq: 02 Oct 2025 11:29

Tgt Ion: 84 Resp: 11906
Ion Ratio Lower Upper
84 100
49 144.7 112.5 168.7
51 49.8 34.2 51.2
86 73.0 48.4 72.6#





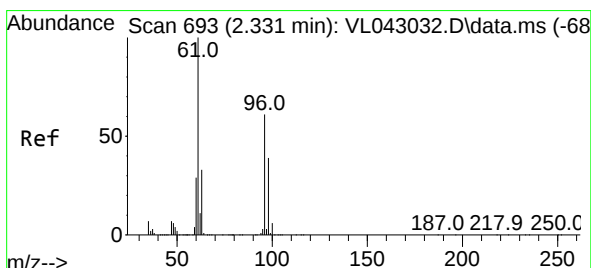
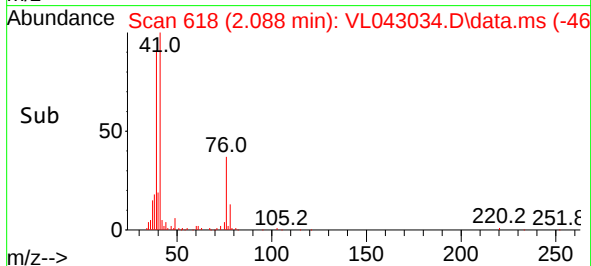
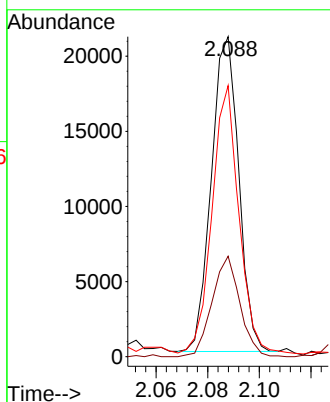
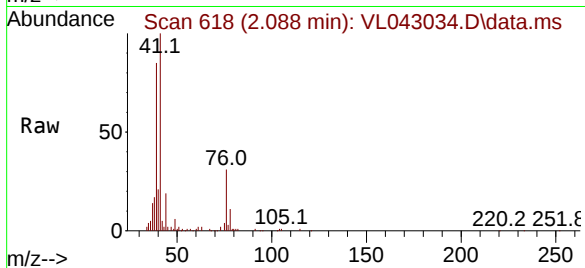
#21
 Allyl Chloride
 Concen: 0.989 ppbv
 RT: 2.088 min Scan# 618
 Delta R.T. 0.000 min
 Lab File: VL043034.D
 Acq: 02 Oct 2025 11:29

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tgt Ion: 41 Resp: 1545
 Ion Ratio Lower Upper
 41 100
 76 32.5 25.9 38.9
 39 83.1 63.0 94.4

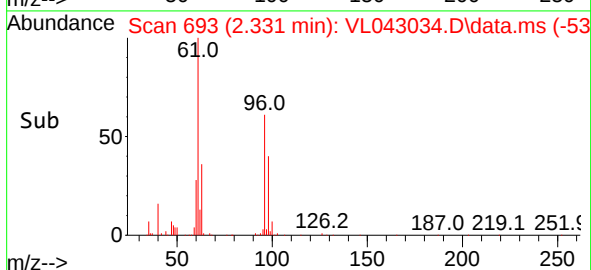
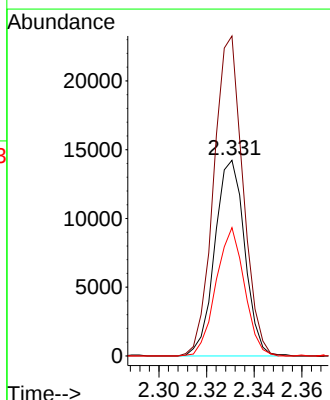
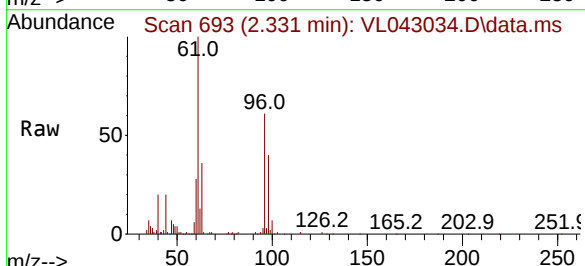
Manual Integrations
 APPROVED

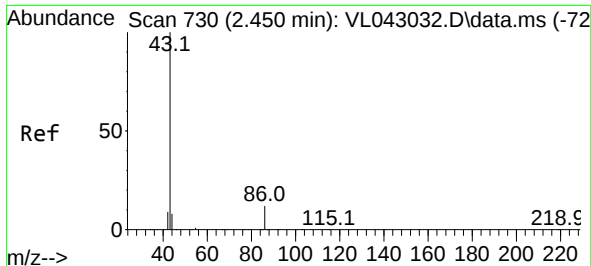
Reviewed By :Semsettin Yesilyurt 10/03/2025
 Supervised By :Mahesh Dadoda 10/10/2025



#22
 trans-1,2-Dichloroethene
 Concen: 1.050 ppbv
 RT: 2.331 min Scan# 693
 Delta R.T. 0.000 min
 Lab File: VL043034.D
 Acq: 02 Oct 2025 11:29

Tgt Ion: 96 Resp: 12411
 Ion Ratio Lower Upper
 96 100
 61 163.5 131.9 197.9
 98 65.6 52.1 78.1





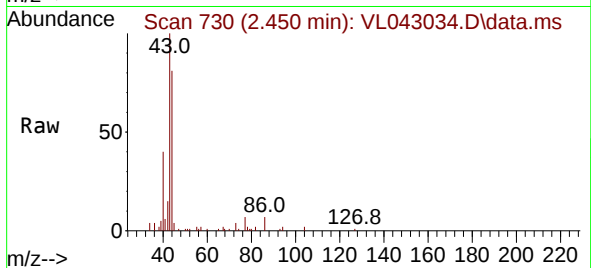
#23
 Vinyl Acetate
 Concen: 1.062 ppbv
 RT: 2.450 min Scan# 714
 Delta R.T. 0.000 min
 Lab File: VL043034.D
 Acq: 02 Oct 2025 11:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC001

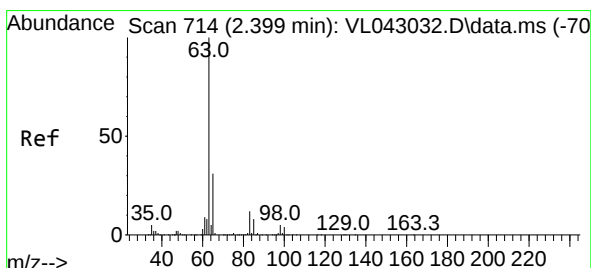
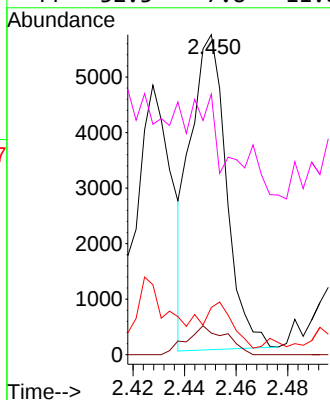
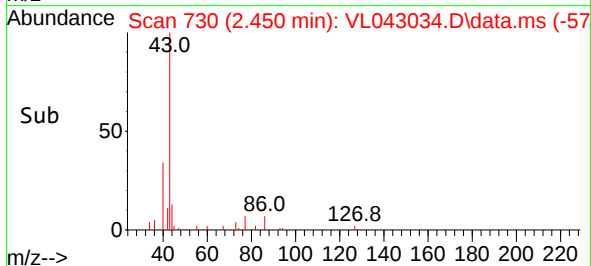


Tgt Ion: 43 Resp: 5498
 Ion Ratio Lower Upper
 43 100
 86 6.9 7.5 11.3
 42 11.3 8.4 12.6
 44 32.3 7.8 11.8#

Manual Integrations

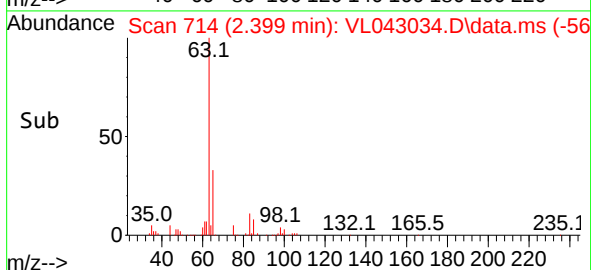
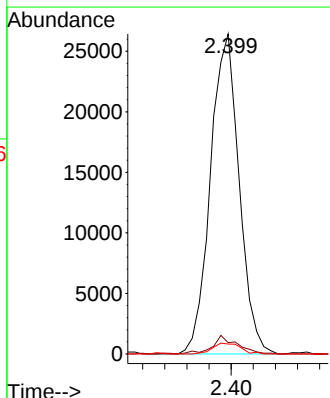
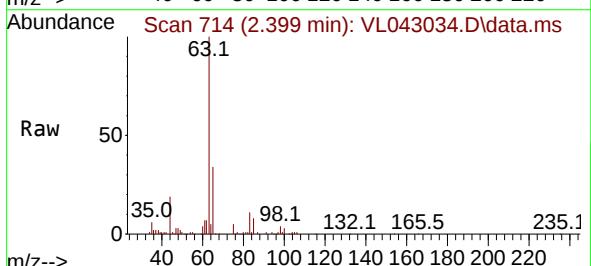
APPROVED

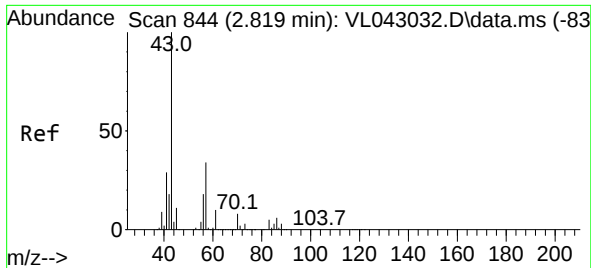
Reviewed By :Semsettin Yesilyurt 10/03/2025
 Supervised By :Mahesh Dadoda 10/10/2025



#24
 1,1-Dichloroethane
 Concen: 1.061 ppbv
 RT: 2.399 min Scan# 714
 Delta R.T. 0.000 min
 Lab File: VL043034.D
 Acq: 02 Oct 2025 11:29

Tgt Ion: 63 Resp: 23773
 Ion Ratio Lower Upper
 63 100
 98 3.6 2.5 7.4
 100 3.1 1.8 5.4





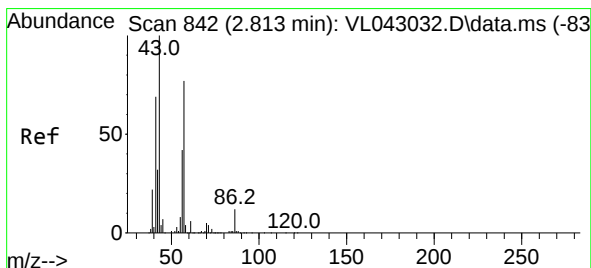
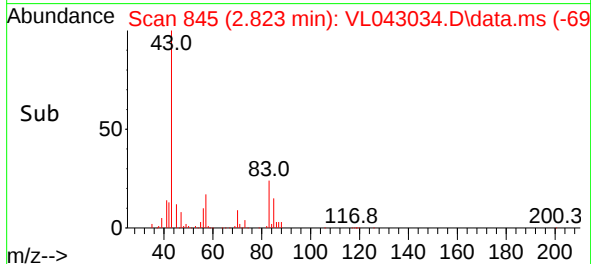
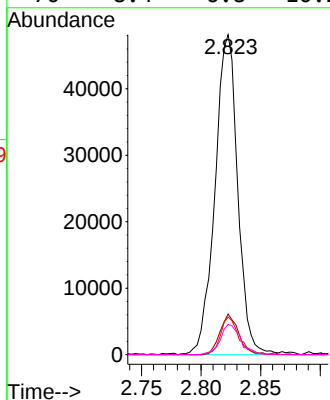
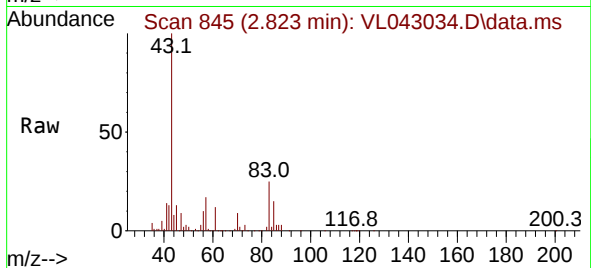
#25
Ethyl Acetate
Concen: 1.043 ppbv
RT: 2.823 min Scan# 844
Delta R.T. 0.003 min
Lab File: VL043034.D
Acq: 02 Oct 2025 11:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 63770
Ion Ratio Lower Upper
43 100
45 10.6 8.3 12.5
61 9.5 7.5 11.3
70 8.4 6.8 10.2

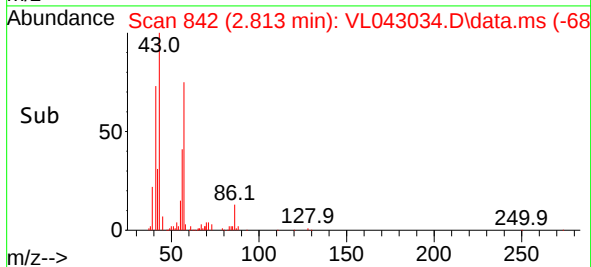
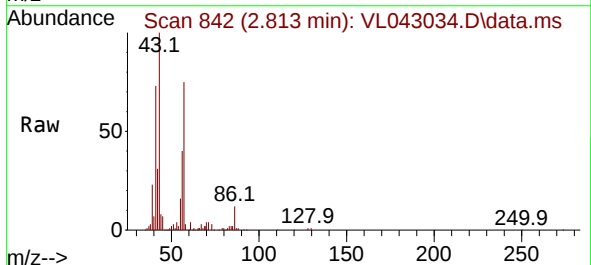
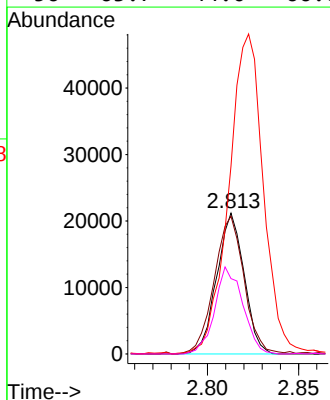
Manual Integrations
APPROVED

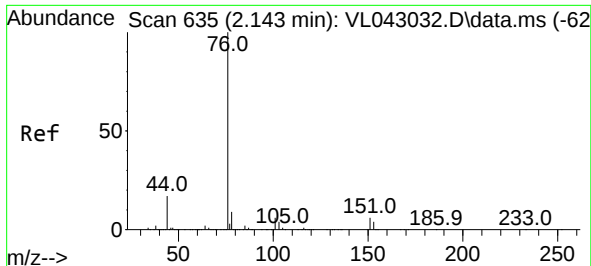
Reviewed By :Semsettin Yesilyurt 10/03/2025
Supervised By :Mahesh Dadoda 10/10/2025



#26
Hexane
Concen: 0.940 ppbv
RT: 2.813 min Scan# 842
Delta R.T. 0.000 min
Lab File: VL043034.D
Acq: 02 Oct 2025 11:29

Tgt Ion: 57 Resp: 22126
Ion Ratio Lower Upper
57 100
41 107.9 76.1 114.1
43 292.9 201.4 302.0
56 63.7 44.0 66.0





#27

Carbon Disulfide

Concen: 1.037 ppbv

RT: 2.140 min Scan# 635

Delta R.T. -0.003 min

Lab File: VL043034.D

Acq: 02 Oct 2025 11:29

Instrument :

MSVOA_L

ClientSampleId :

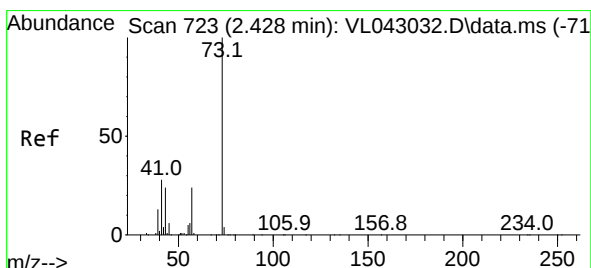
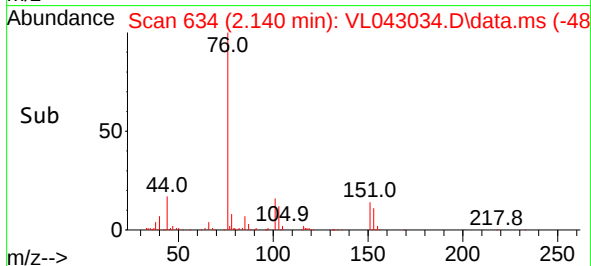
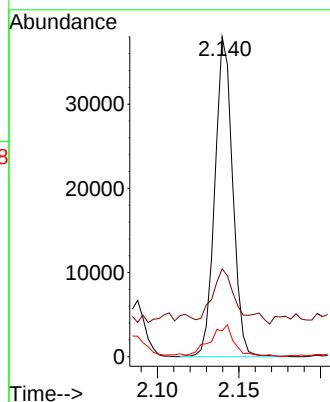
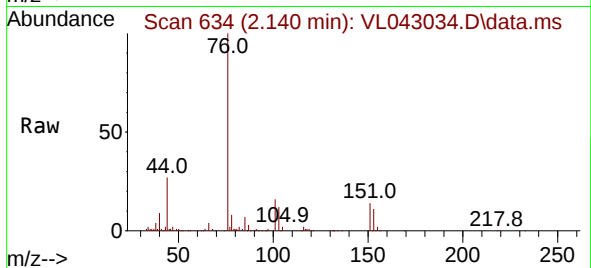
VSTDIC001

Tgt Ion: 76 Resp: 28818
 Ion Ratio Lower Upper
 76 100
 44 43.8 14.0 21.0
 78 13.2 9.4 14.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/03/2025
 Supervised By :Mahesh Dadoda 10/10/2025



#28

Methyl tert-Butyl Ether

Concen: 1.031 ppbv

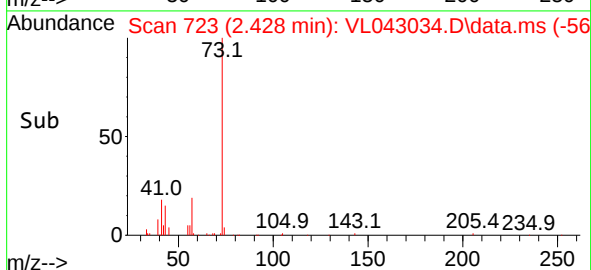
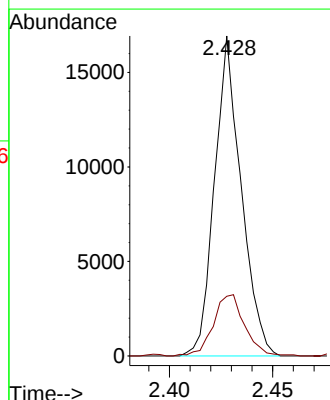
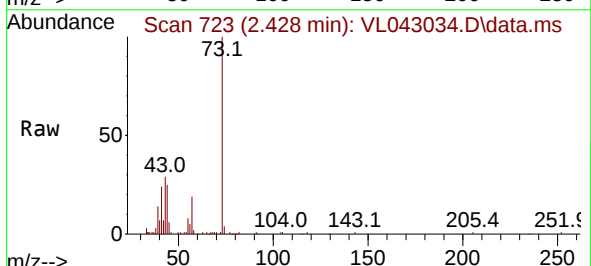
RT: 2.428 min Scan# 723

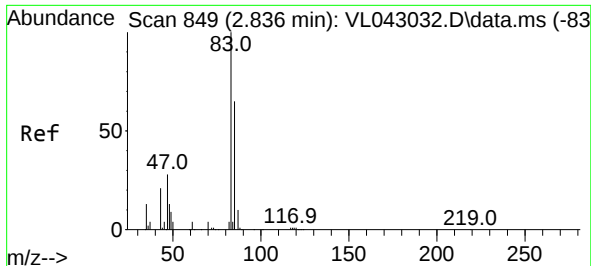
Delta R.T. 0.000 min

Lab File: VL043034.D

Acq: 02 Oct 2025 11:29

Tgt Ion: 73 Resp: 15176
 Ion Ratio Lower Upper
 73 100
 57 22.8 17.8 26.8





#29

Chloroform

Concen: 1.039 ppbv

RT: 2.832 min Scan# 84

Delta R.T. -0.003 min

Lab File: VL043034.D

Acq: 02 Oct 2025 11:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC001

Tgt Ion: 83 Resp: 4169

Ion Ratio Lower Upper

83 100

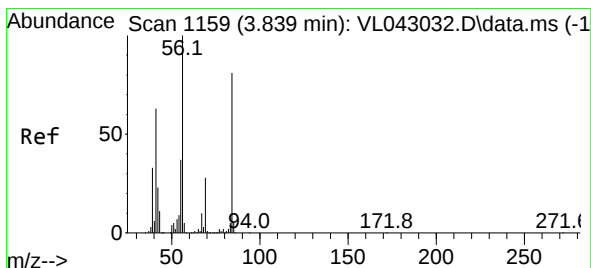
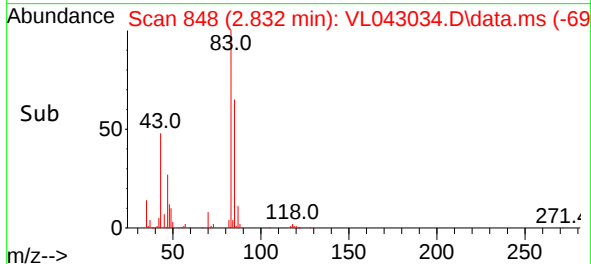
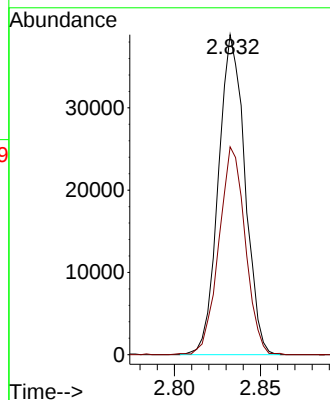
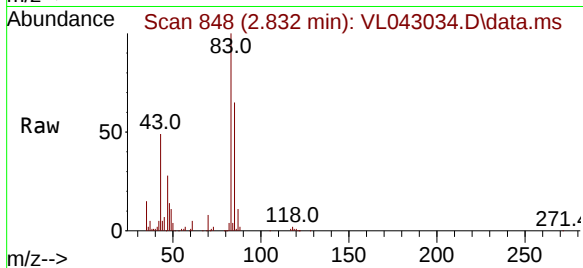
85 64.6 52.0 78.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/03/2025

Supervised By :Mahesh Dadoda 10/10/2025



#30

Cyclohexane

Concen: 0.962 ppbv

RT: 3.839 min Scan# 1159

Delta R.T. 0.000 min

Lab File: VL043034.D

Acq: 02 Oct 2025 11:29

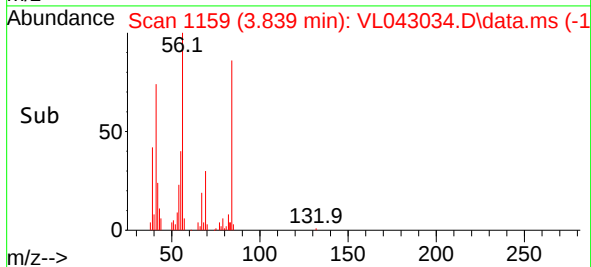
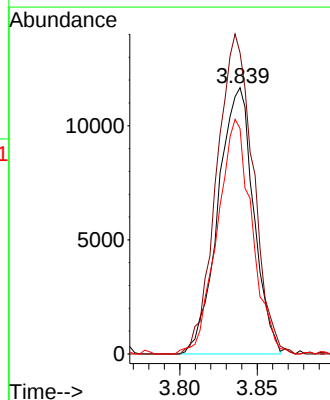
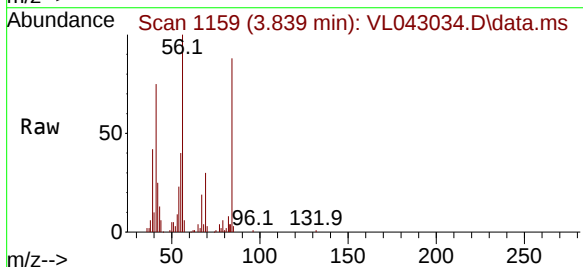
Tgt Ion: 84 Resp: 18605

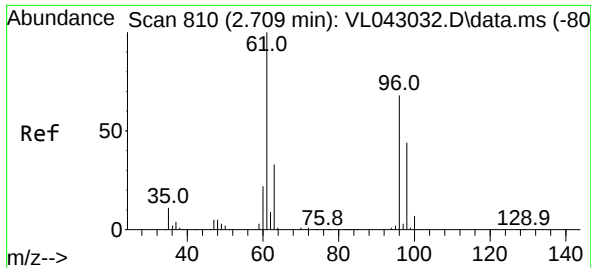
Ion Ratio Lower Upper

84 100

56 123.3 99.9 149.9

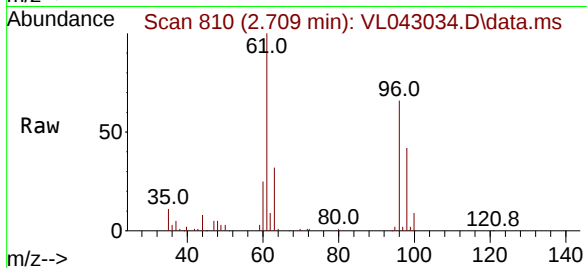
41 86.2 64.2 96.4





#31
 cis-1,2-Dichloroethene
 Concen: 1.001 ppbv
 RT: 2.709 min Scan# 810
 Delta R.T. 0.000 min
 Lab File: VL043034.D
 Acq: 02 Oct 2025 11:29

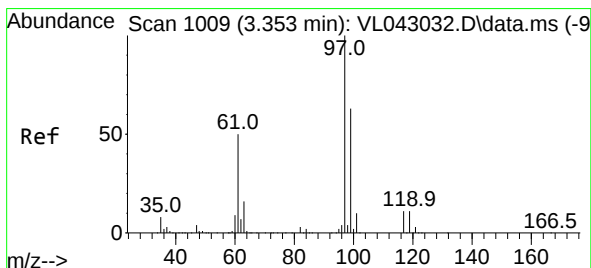
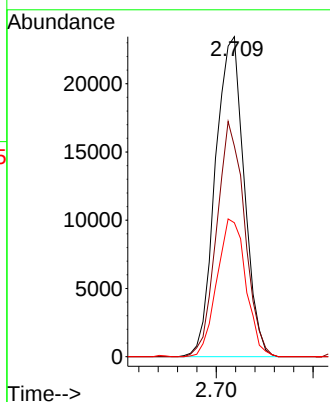
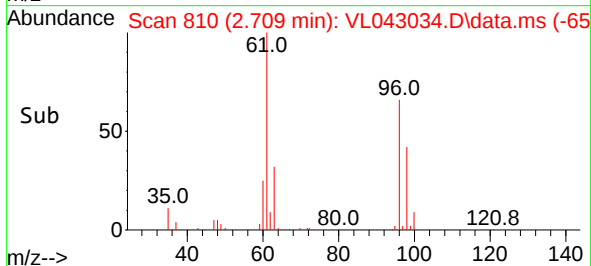
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC001



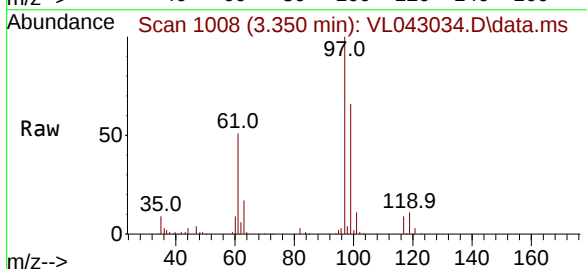
Tgt Ion: 61 Resp: 24200
 Ion Ratio Lower Upper
 61 100
 96 65.8 54.6 82.0
 98 41.8 34.8 52.2

Manual Integrations
 APPROVED

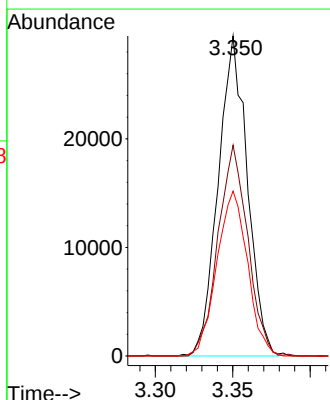
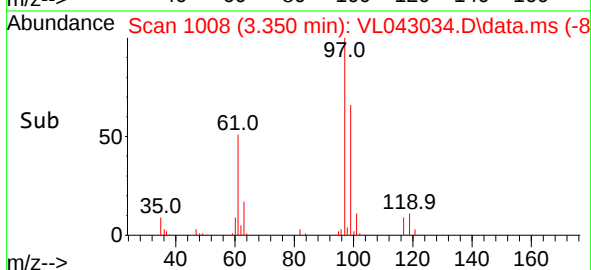
Reviewed By :Semsettin Yesilyurt 10/03/2025
 Supervised By :Mahesh Dadoda 10/10/2025

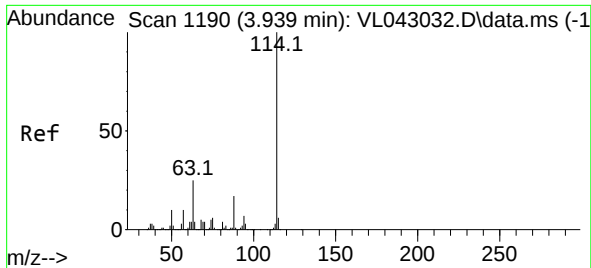


#32
 1,1,1-Trichloroethane
 Concen: 0.990 ppbv
 RT: 3.350 min Scan# 1008
 Delta R.T. -0.003 min
 Lab File: VL043034.D
 Acq: 02 Oct 2025 11:29



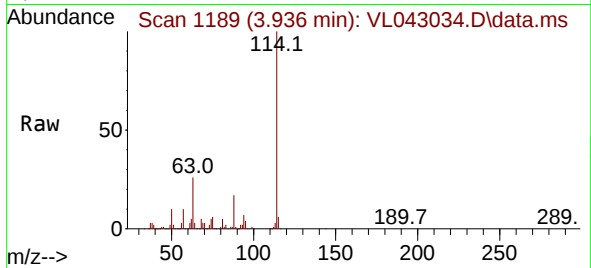
Tgt Ion: 97 Resp: 38581
 Ion Ratio Lower Upper
 97 100
 99 67.1 51.2 76.8
 61 54.2 40.1 60.1





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.936 min Scan# 1190
Delta R.T. -0.003 min
Lab File: VL043034.D
Acq: 02 Oct 2025 11:29

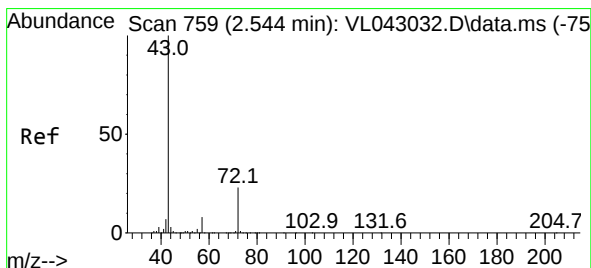
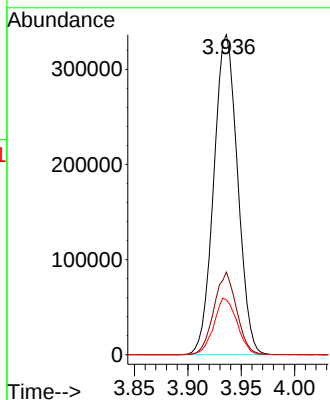
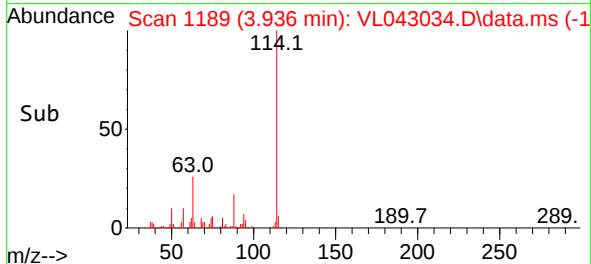
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001



Tgt Ion:114 Resp: 522004
Ion Ratio Lower Upper
114 100
63 24.6 19.4 29.2
88 17.2 13.9 20.9

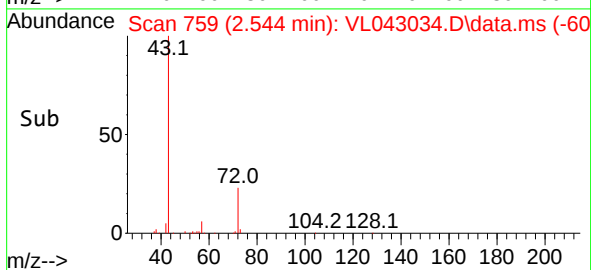
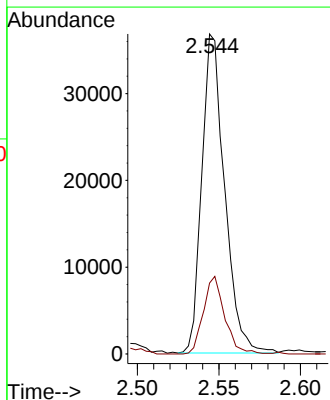
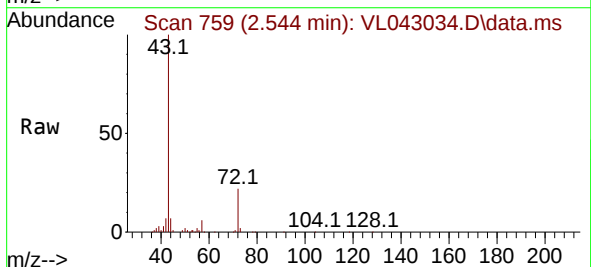
Manual Integrations
APPROVED

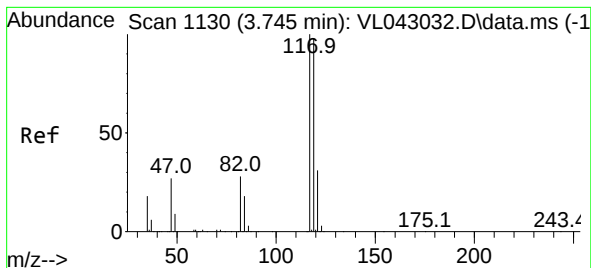
Reviewed By :Semsettin Yesilyurt 10/03/2025
Supervised By :Mahesh Dadoda 10/10/2025



#34
2-Butanone
Concen: 1.010 ppbv
RT: 2.544 min Scan# 759
Delta R.T. 0.000 min
Lab File: VL043034.D
Acq: 02 Oct 2025 11:29

Tgt Ion: 43 Resp: 35775
Ion Ratio Lower Upper
43 100
72 22.8 18.4 27.6





#35

Carbon Tetrachloride

Concen: 0.978 ppbv

RT: 3.742 min Scan# 1129

Delta R.T. -0.003 min

Lab File: VL043034.D

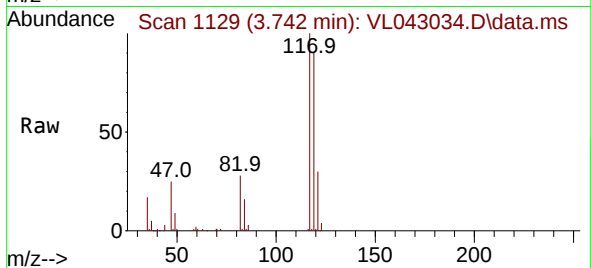
Acq: 02 Oct 2025 11:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001



Tgt Ion: 117 Resp: 4199

Ion Ratio Lower Upper

117 100

119 90.4 78.2 117.4

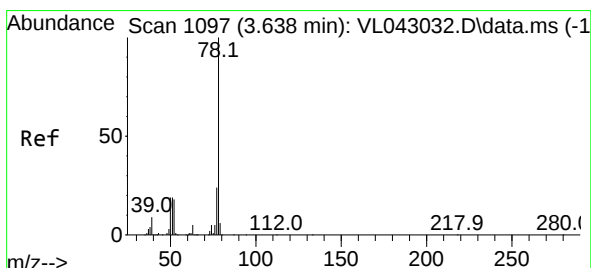
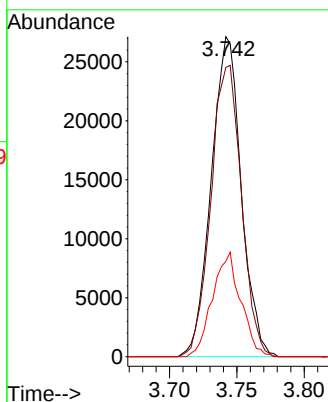
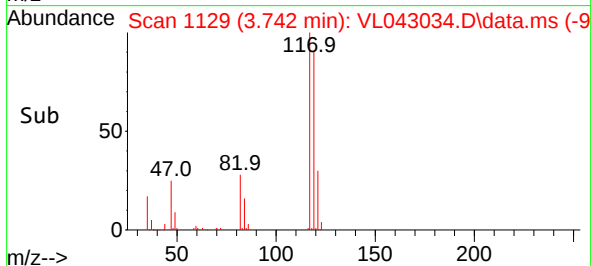
121 29.8 24.8 37.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/03/2025

Supervised By :Mahesh Dadoda 10/10/2025



#36

Benzene

Concen: 1.029 ppbv

RT: 3.638 min Scan# 1097

Delta R.T. 0.000 min

Lab File: VL043034.D

Acq: 02 Oct 2025 11:29

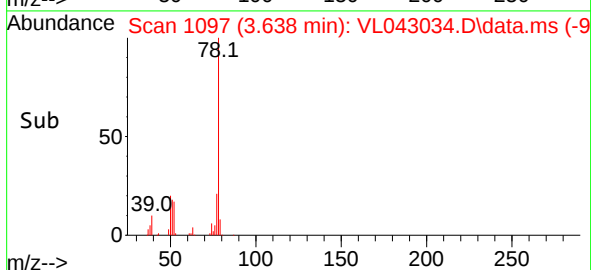
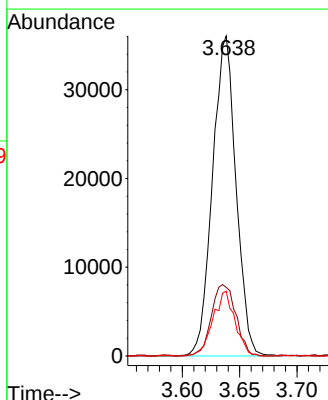
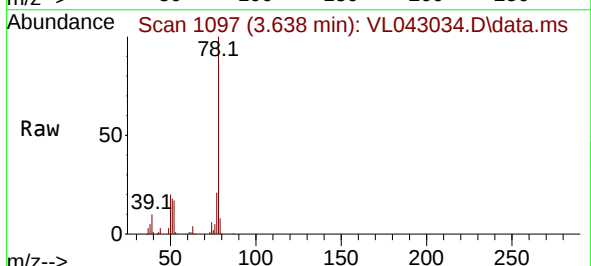
Tgt Ion: 78 Resp: 51343

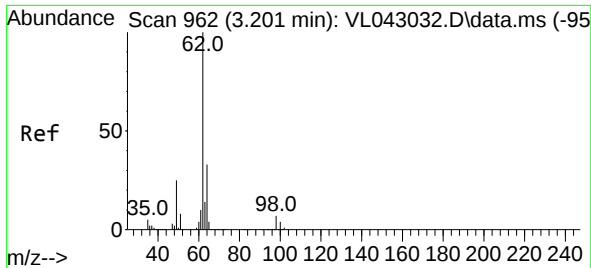
Ion Ratio Lower Upper

78 100

77 21.4 19.2 28.8

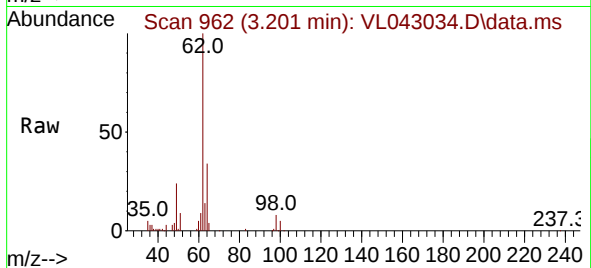
50 20.3 14.9 22.3





#37
1,2-Dichloroethane
Concen: 1.019 ppbv
RT: 3.201 min Scan# 90
Delta R.T. 0.000 min
Lab File: VL043034.D
Acq: 02 Oct 2025 11:29

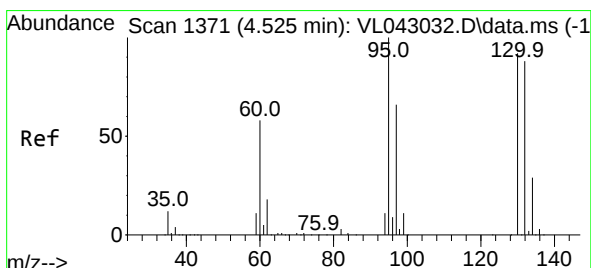
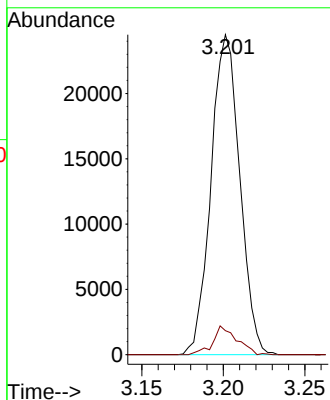
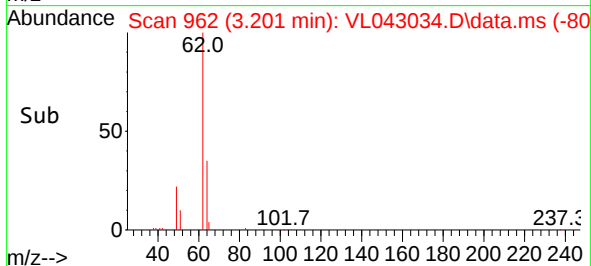
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001



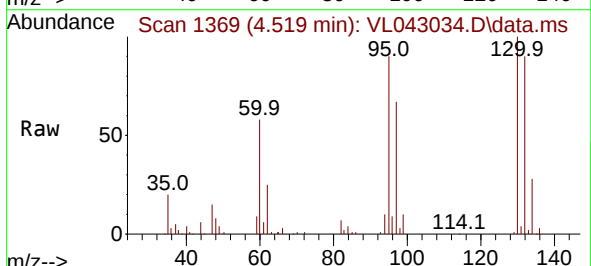
Tgt Ion: 62 Resp: 3010
Ion Ratio Lower Upper
62 100
98 7.5 5.6 8.4

Manual Integrations
APPROVED

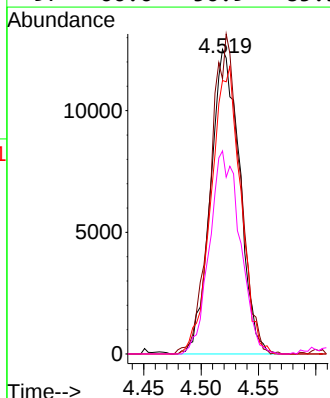
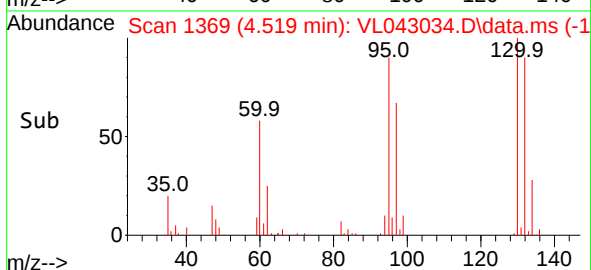
Reviewed By :Semsettin Yesilyurt 10/03/2025
Supervised By :Mahesh Dadoda 10/10/2025

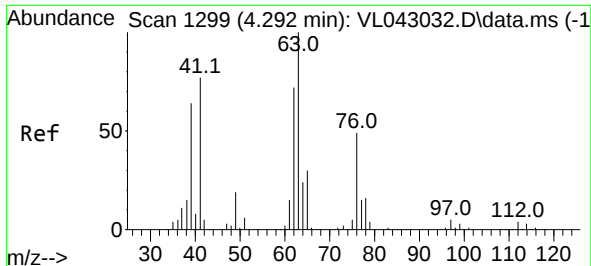


#38
Trichloroethene
Concen: 1.065 ppbv
RT: 4.519 min Scan# 1369
Delta R.T. -0.006 min
Lab File: VL043034.D
Acq: 02 Oct 2025 11:29



Tgt Ion:130 Resp: 22132
Ion Ratio Lower Upper
130 100
95 89.6 86.4 129.6
132 89.8 75.7 113.5
97 66.6 56.9 85.3





#39

1,2-Dichloropropane

Concen: 1.023 ppbv

RT: 4.289 min Scan# 1299

Delta R.T. -0.003 min

Lab File: VL043034.D

Acq: 02 Oct 2025 11:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

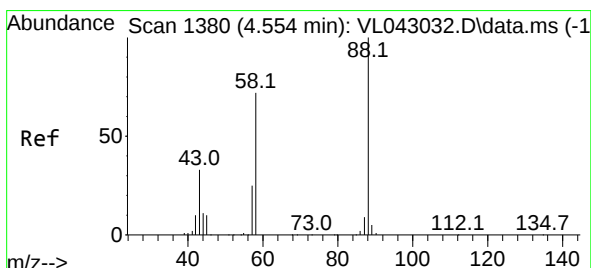
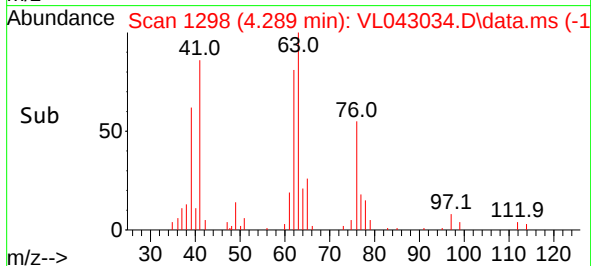
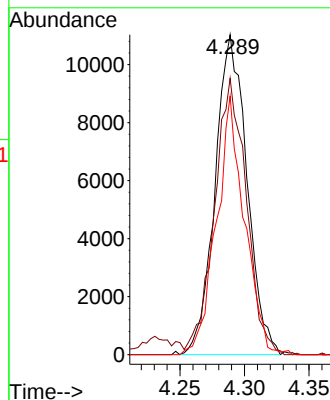
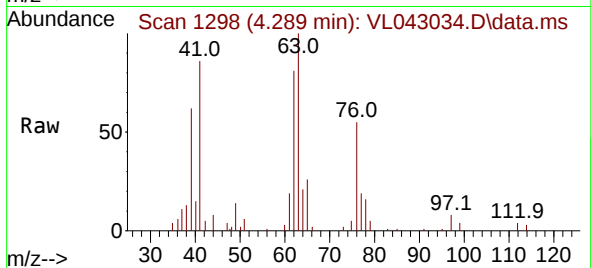
Tgt Ion:	63	Resp:	1891
Ion	Ratio	Lower	Upper
63	100		
41	85.1	61.6	92.4
62	80.8	58.1	87.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/03/2025

Supervised By :Mahesh Dadoda 10/10/2025



#40

1,4-Dioxane

Concen: 0.990 ppbv m

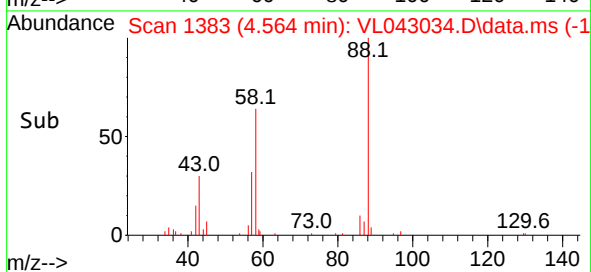
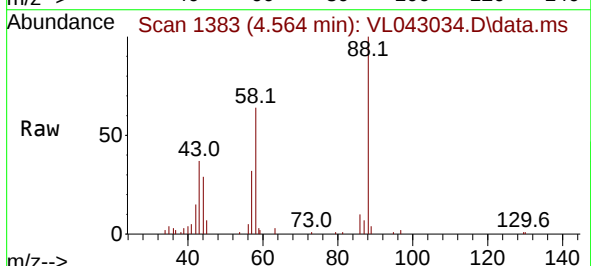
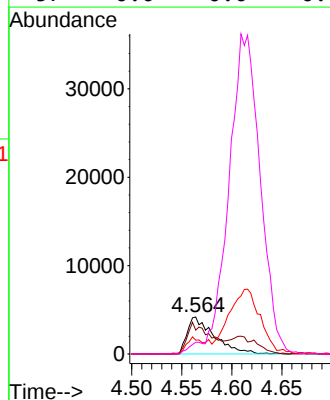
RT: 4.564 min Scan# 1383

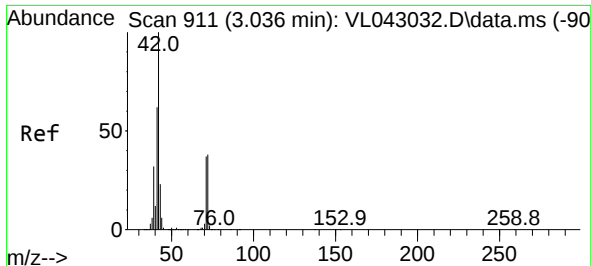
Delta R.T. 0.010 min

Lab File: VL043034.D

Acq: 02 Oct 2025 11:29

Tgt Ion:	88	Resp:	7860
Ion	Ratio	Lower	Upper
88	100		
58	74.4	56.2	84.2
43	0.0	25.7	38.5
57	0.0	0.0	0.0





#41

Tetrahydrofuran

Concen: 0.963 ppbv

RT: 3.043 min Scan# 911

Delta R.T. 0.006 min

Lab File: VL043034.D

Acq: 02 Oct 2025 11:29

Instrument :

MSVOA_L

ClientSampleId :

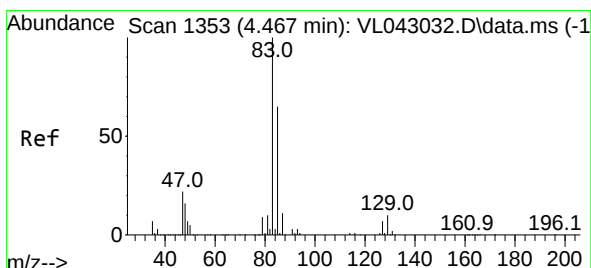
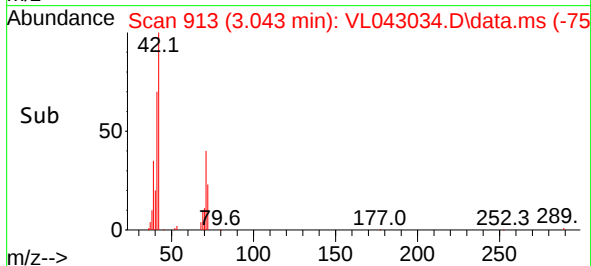
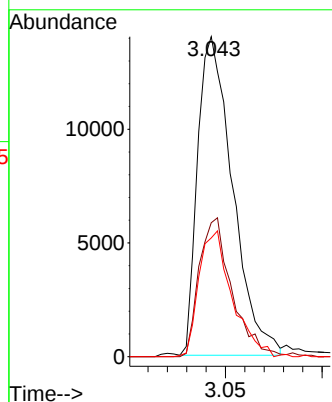
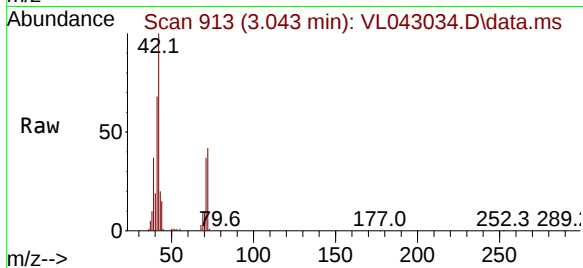
VSTDIC001

Tgt Ion:	42	Resp:	17630
Ion Ratio	Lower	Upper	
42	100		
72	41.0	31.0	46.6
71	37.5	29.8	44.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/03/2025
Supervised By :Mahesh Dadoda 10/10/2025



#42

Bromodichloromethane

Concen: 1.007 ppbv

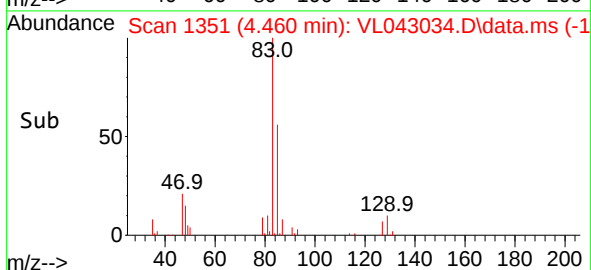
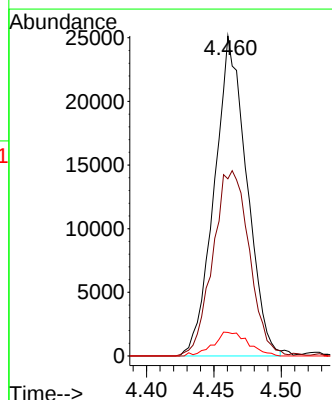
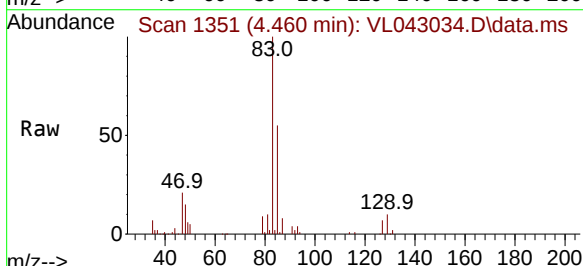
RT: 4.460 min Scan# 1351

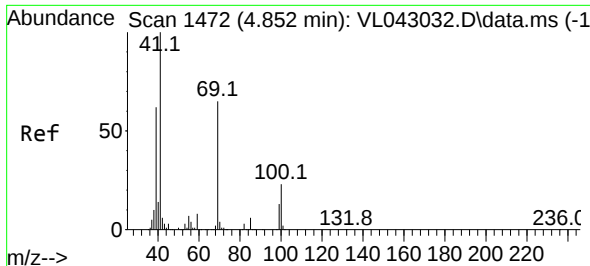
Delta R.T. -0.006 min

Lab File: VL043034.D

Acq: 02 Oct 2025 11:29

Tgt Ion:	83	Resp:	42012
Ion Ratio	Lower	Upper	
83	100		
85	55.0	51.8	77.8
127	7.4	5.9	8.9





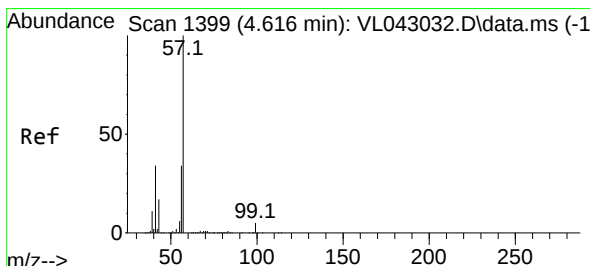
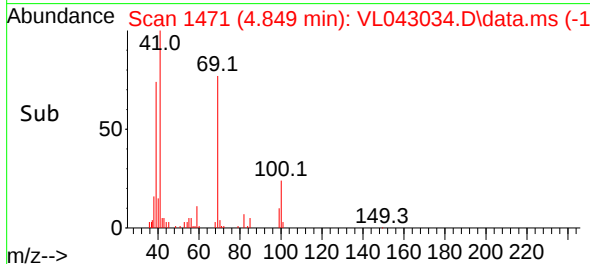
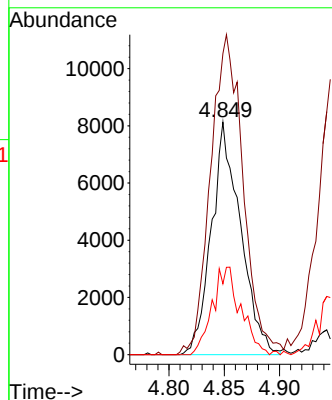
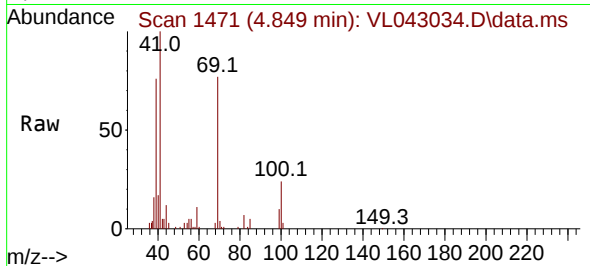
#43
Methyl Methacrylate
Concen: 0.901 ppbv
RT: 4.849 min Scan# 1472
Delta R.T. -0.003 min
Lab File: VL043034.D
Acq: 02 Oct 2025 11:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 69 Resp: 1491
Ion Ratio Lower Upper
69 100
41 154.7 118.0 177.0
100 36.7 28.3 42.5

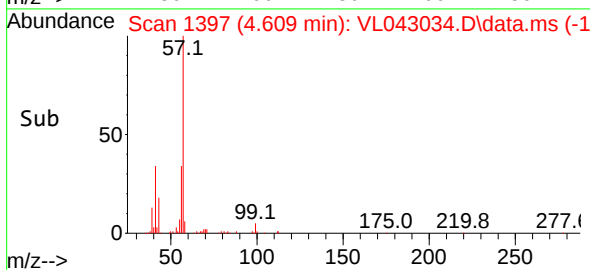
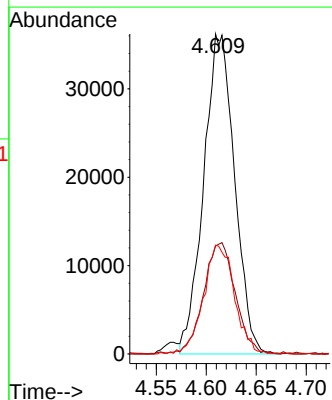
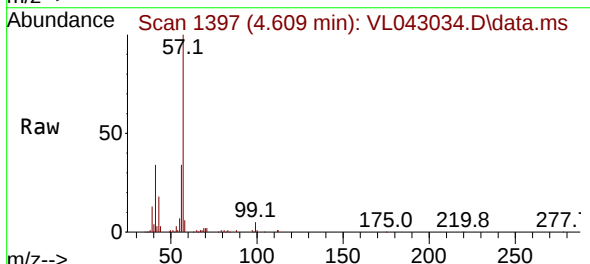
Manual Integrations
APPROVED

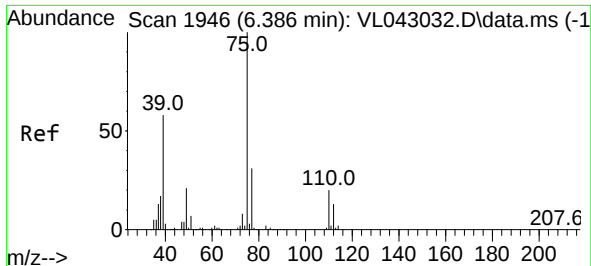
Reviewed By :Semsettin Yesilyurt 10/03/2025
Supervised By :Mahesh Dadoda 10/10/2025



#44
2,2,4-Trimethylpentane
Concen: 0.975 ppbv
RT: 4.609 min Scan# 1397
Delta R.T. -0.006 min
Lab File: VL043034.D
Acq: 02 Oct 2025 11:29

Tgt Ion: 57 Resp: 77988
Ion Ratio Lower Upper
57 100
41 36.3 27.0 40.4
56 34.2 26.0 39.0





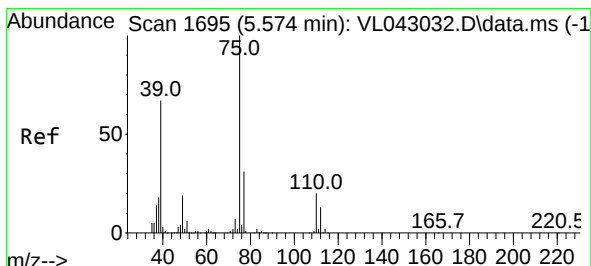
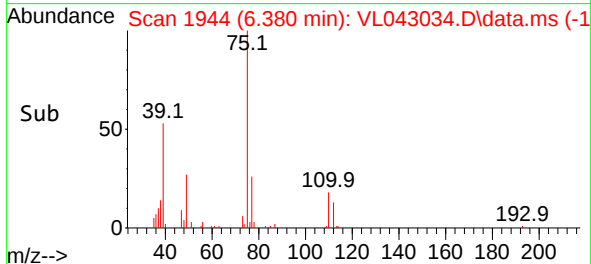
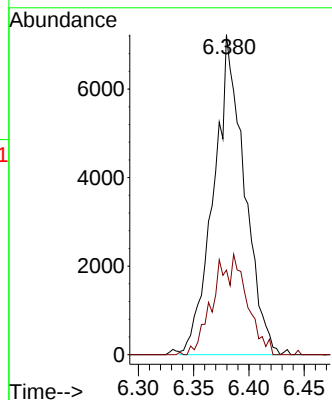
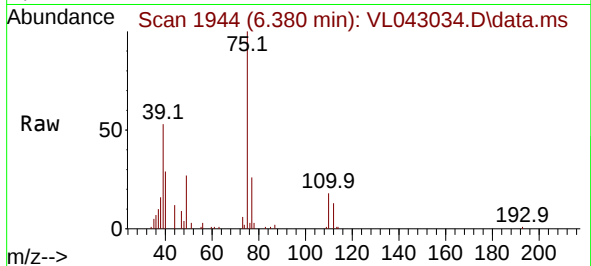
#45
t-1,3-Dichloropropene
Concen: 0.932 ppbv
RT: 6.380 min Scan# 1946
Delta R.T. -0.006 min
Lab File: VL043034.D
Acq: 02 Oct 2025 11:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 75 Resp: 13974
Ion Ratio Lower Upper
75 100
77 26.4 24.7 37.1

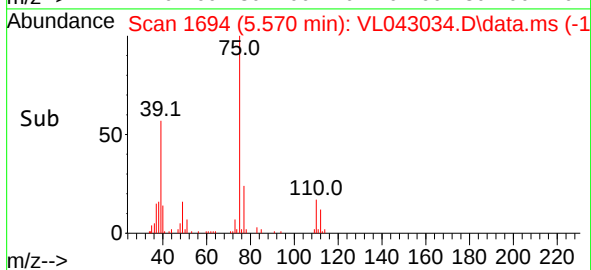
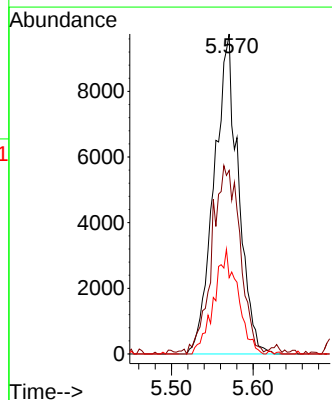
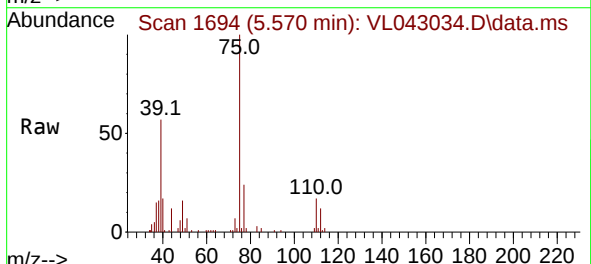
Manual Integrations
APPROVED

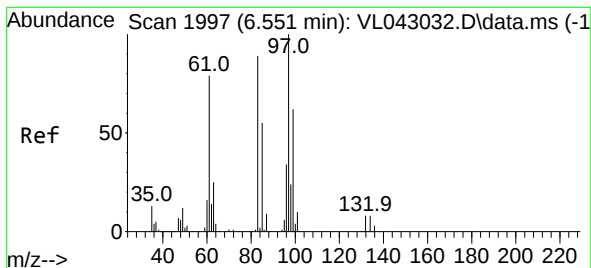
Reviewed By :Semsettin Yesilyurt 10/03/2025
Supervised By :Mahesh Dadoda 10/10/2025



#46
cis-1,3-Dichloropropene
Concen: 0.945 ppbv m
RT: 5.570 min Scan# 1694
Delta R.T. -0.003 min
Lab File: VL043034.D
Acq: 02 Oct 2025 11:29

Tgt Ion: 75 Resp: 20141
Ion Ratio Lower Upper
75 100
39 57.3 53.4 80.0
77 23.8 25.0 37.4#





#47

1,1,2-Trichloroethane

Concen: 1.029 ppbv

RT: 6.548 min Scan# 1997

Delta R.T. -0.003 min

Lab File: VL043034.D

Acq: 02 Oct 2025 11:29

Instrument :

MSVOA_L

ClientSampleId :

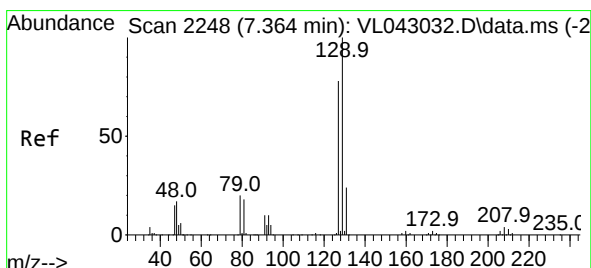
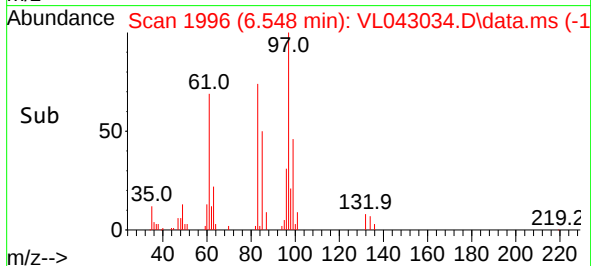
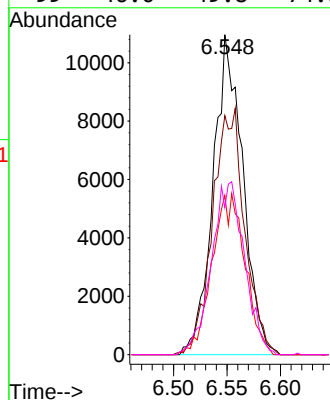
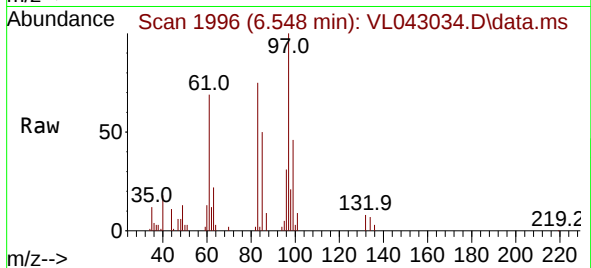
VSTDIC001

Tgt Ion:	97	Resp:	21164
Ion	Ratio	Lower	Upper
97	100		
83	74.7	71.1	106.7
85	49.7	44.3	66.5
99	46.0	49.8	74.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/03/2025
Supervised By :Mahesh Dadoda 10/10/2025



#48

Dibromochloromethane

Concen: 1.002 ppbv

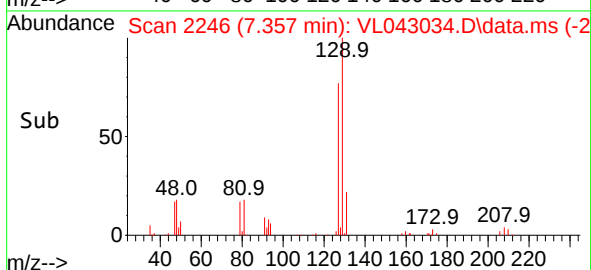
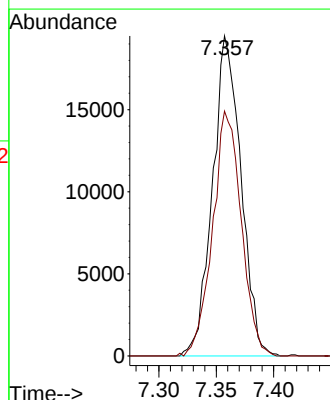
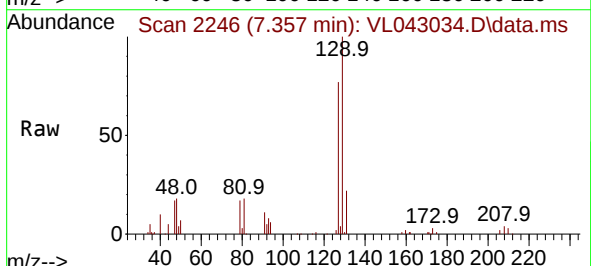
RT: 7.357 min Scan# 2246

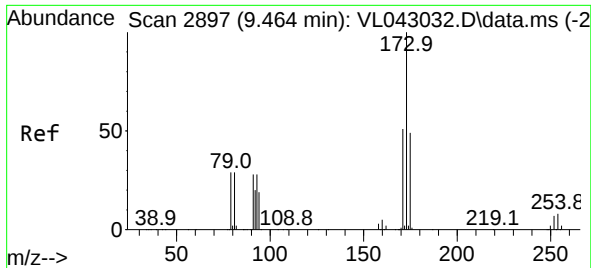
Delta R.T. -0.006 min

Lab File: VL043034.D

Acq: 02 Oct 2025 11:29

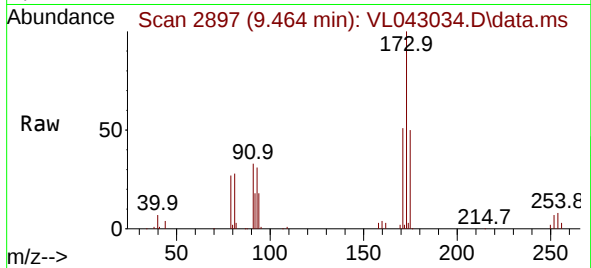
Tgt Ion:	129	Resp:	33636
Ion	Ratio	Lower	Upper
129	100		
127	76.9	38.6	116.0





#49
Bromoform
Concen: 0.960 ppbv
RT: 9.464 min Scan# 2897
Delta R.T. 0.000 min
Lab File: VL043034.D
Acq: 02 Oct 2025 11:29

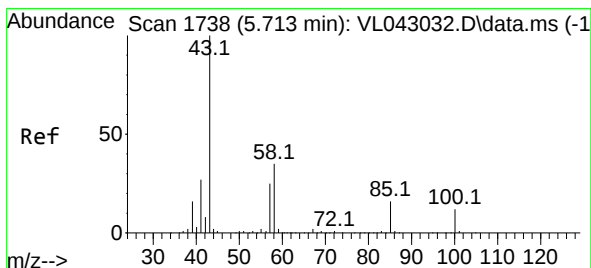
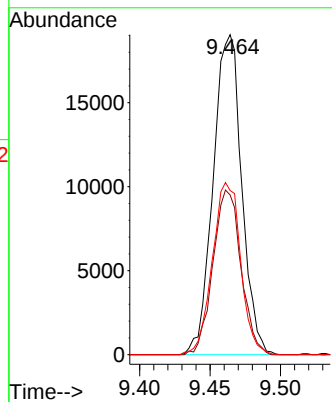
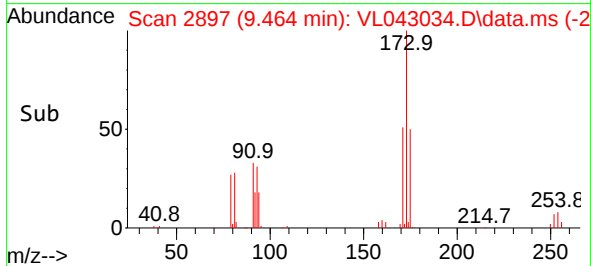
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



Tgt Ion: 173 Resp: 26918
Ion Ratio Lower Upper
173 100
175 50.4 39.1 58.7
171 53.1 41.4 62.2

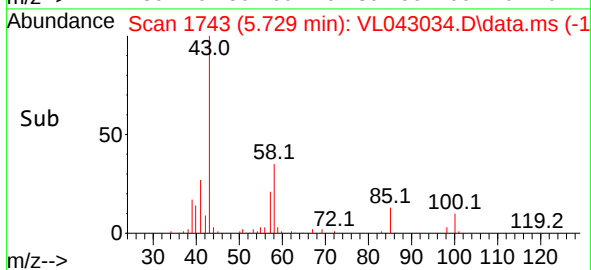
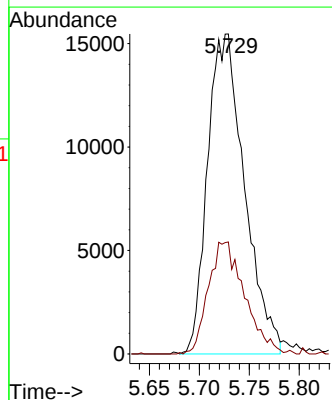
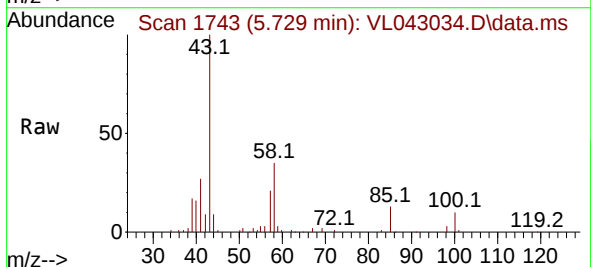
Manual Integrations
APPROVED

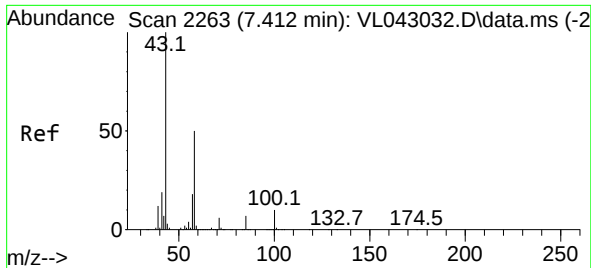
Reviewed By :Semsettin Yesilyurt 10/03/2025
Supervised By :Mahesh Dadoda 10/10/2025



#50
4-Methyl-2-Pentanone
Concen: 0.922 ppbv
RT: 5.729 min Scan# 1743
Delta R.T. 0.016 min
Lab File: VL043034.D
Acq: 02 Oct 2025 11:29

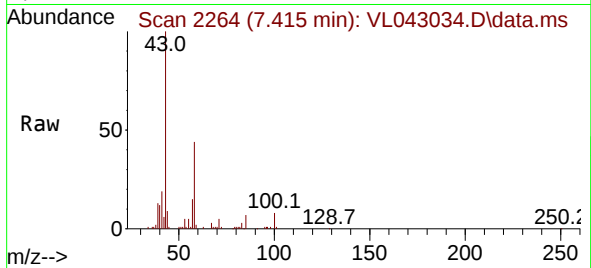
Tgt Ion: 43 Resp: 39803
Ion Ratio Lower Upper
43 100
58 34.7 28.7 43.1





#51
2-Hexanone
Concen: 0.878 ppbv
RT: 7.415 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL043034.D
Acq: 02 Oct 2025 11:29

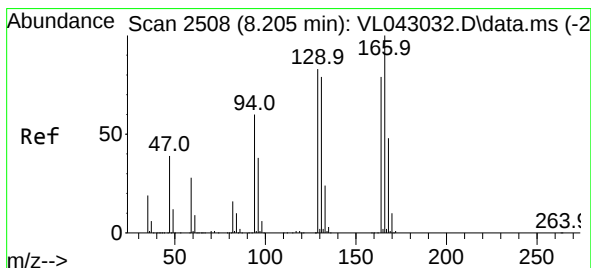
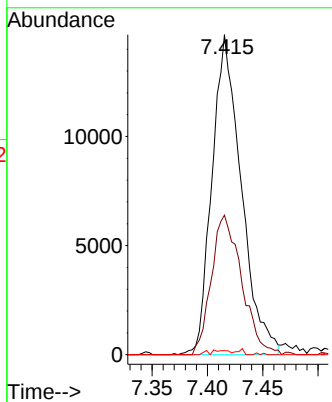
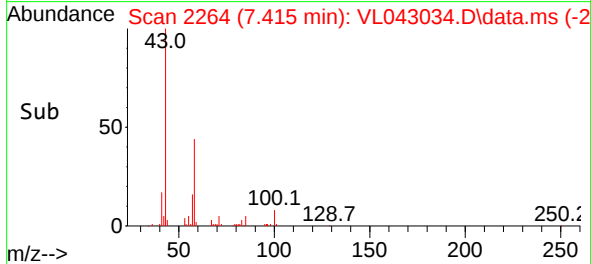
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



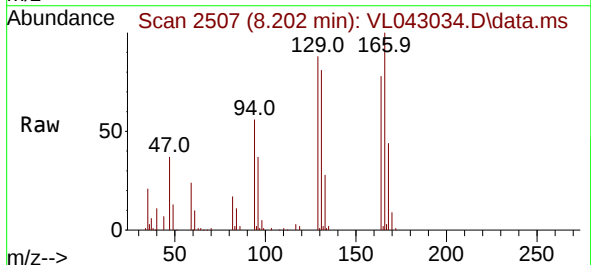
Tgt Ion: 43 Resp: 26904
Ion Ratio Lower Upper
43 100
58 45.4 39.1 58.7
98 1.4 0.5 0.7

Manual Integrations
APPROVED

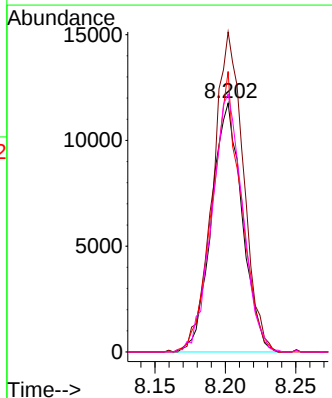
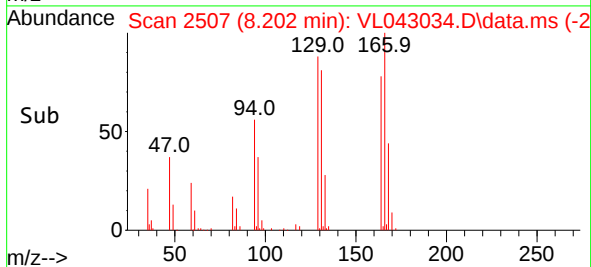
Reviewed By :Semsettin Yesilyurt 10/03/2025
Supervised By :Mahesh Dadoda 10/10/2025

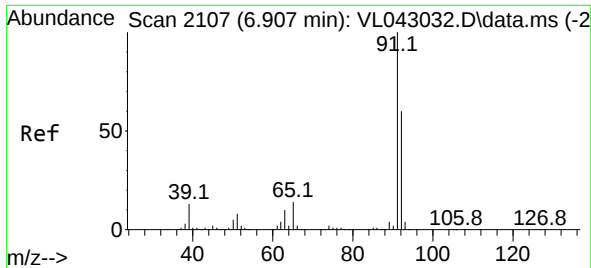


#52
Tetrachloroethene
Concen: 0.964 ppbv
RT: 8.202 min Scan# 2507
Delta R.T. -0.003 min
Lab File: VL043034.D
Acq: 02 Oct 2025 11:29



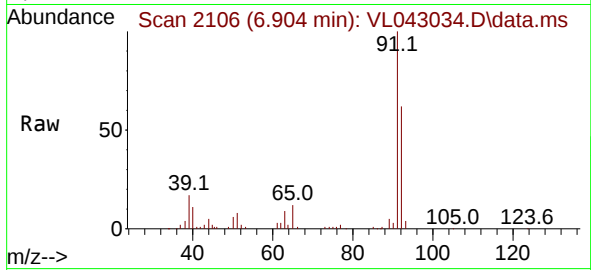
Tgt Ion:164 Resp: 17908
Ion Ratio Lower Upper
164 100
166 128.7 101.8 152.8
129 112.8 84.5 126.7
131 102.9 80.9 121.3





#53
Toluene
Concen: 0.913 ppbv
RT: 6.904 min Scan# 2107
Delta R.T. -0.003 min
Lab File: VL043034.D
Acq: 02 Oct 2025 11:29

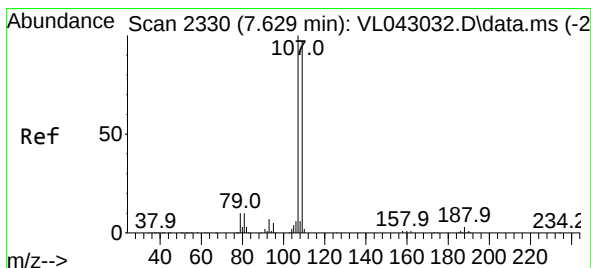
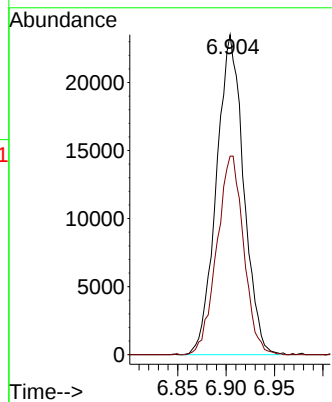
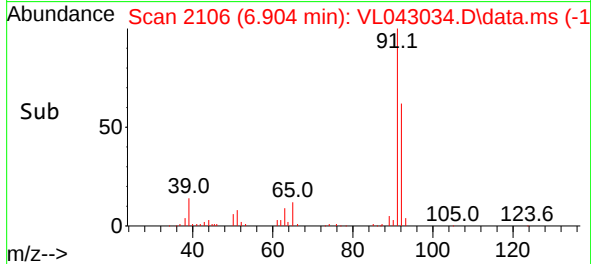
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001



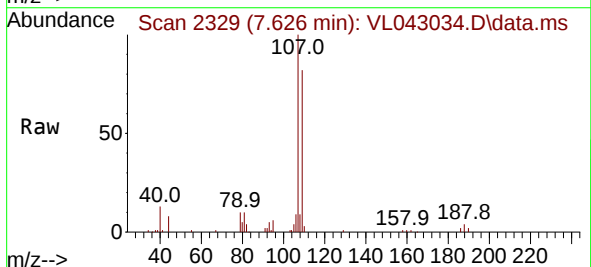
Tgt Ion: 91 Resp: 45974
Ion Ratio Lower Upper
91 100
92 61.4 47.8 71.6

Manual Integrations
APPROVED

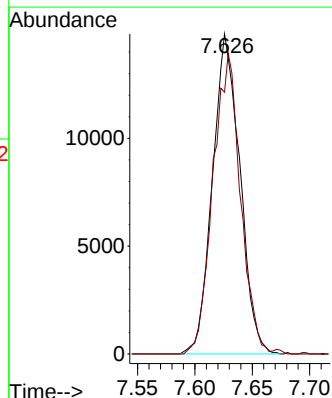
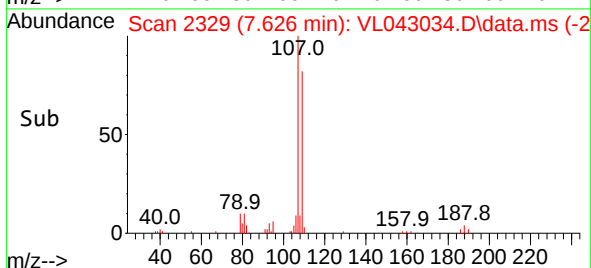
Reviewed By :Semsettin Yesilyurt 10/03/2025
Supervised By :Mahesh Dadoda 10/10/2025

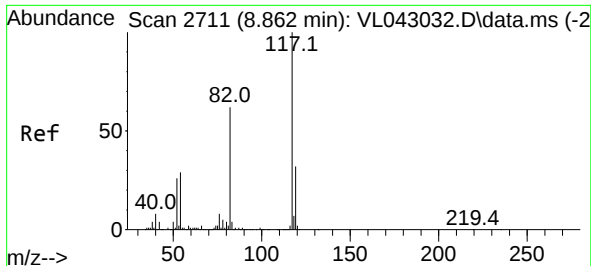


#54
1,2-Dibromoethane
Concen: 1.011 ppbv
RT: 7.626 min Scan# 2329
Delta R.T. -0.003 min
Lab File: VL043034.D
Acq: 02 Oct 2025 11:29



Tgt Ion:107 Resp: 24648
Ion Ratio Lower Upper
107 100
109 81.8 77.4 116.0





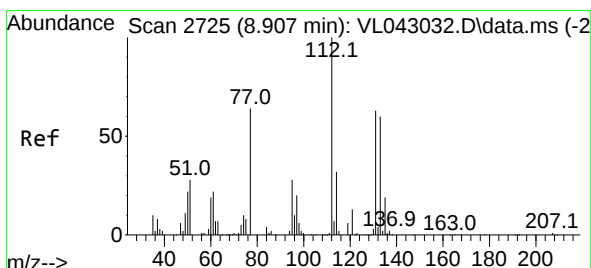
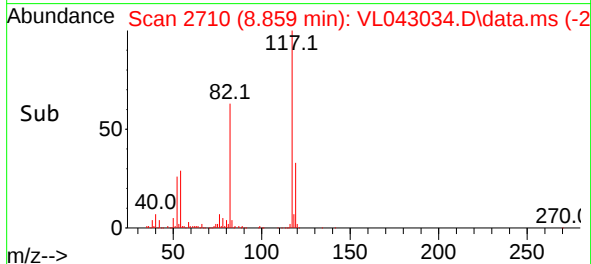
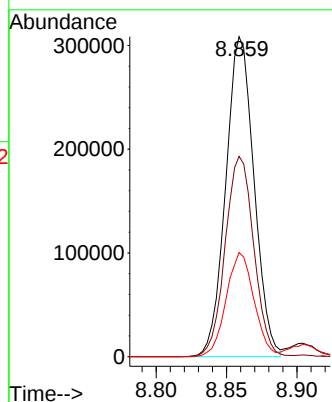
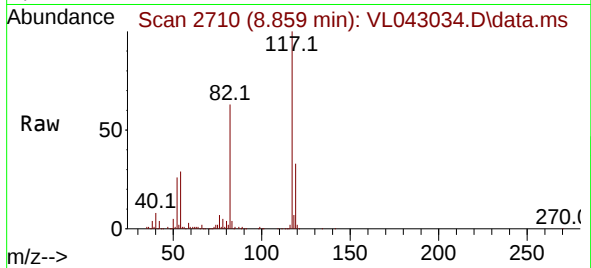
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.859 min Scan# 2711
Delta R.T. -0.003 min
Lab File: VL043034.D
Acq: 02 Oct 2025 11:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion:117 Resp: 431704
Ion Ratio Lower Upper
117 100
82 63.6 53.0 79.6
119 32.2 25.4 38.2

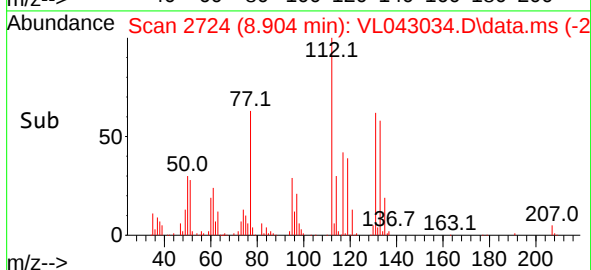
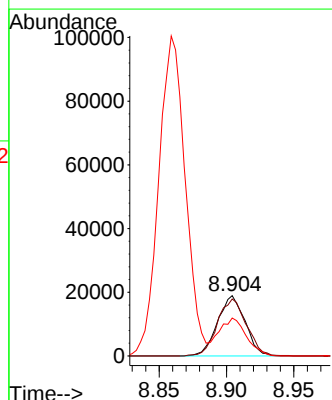
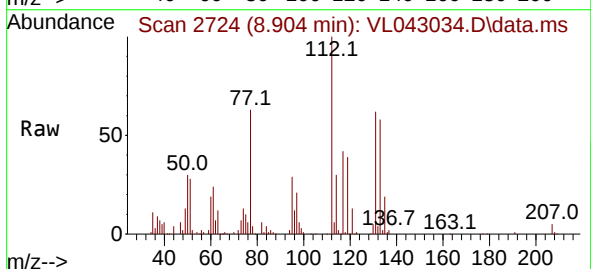
Manual Integrations
APPROVED

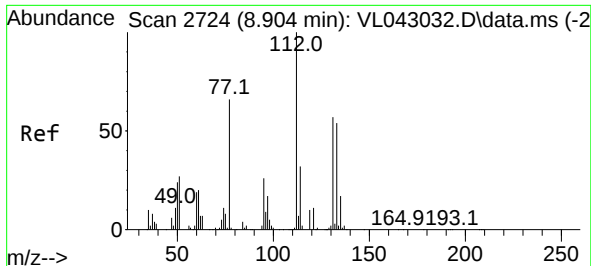
Reviewed By :Semsettin Yesilyurt 10/03/2025
Supervised By :Mahesh Dadoda 10/10/2025



#56
1,1,1,2-Tetrachloroethane
Concen: 1.022 ppbv
RT: 8.904 min Scan# 2724
Delta R.T. -0.003 min
Lab File: VL043034.D
Acq: 02 Oct 2025 11:29

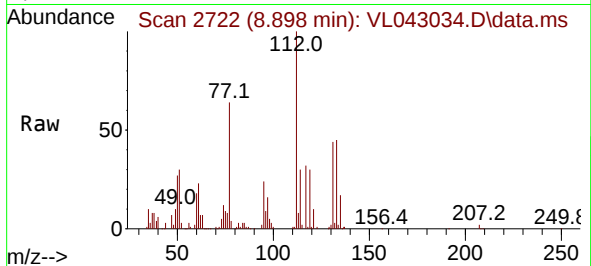
Tgt Ion:131 Resp: 26884
Ion Ratio Lower Upper
131 100
133 99.8 76.2 114.4
119 56.5 49.4 74.2





#57
Chlorobenzene
Concen: 1.036 ppbv
RT: 8.898 min Scan# 21
Delta R.T. -0.006 min
Lab File: VL043034.D
Acq: 02 Oct 2025 11:29

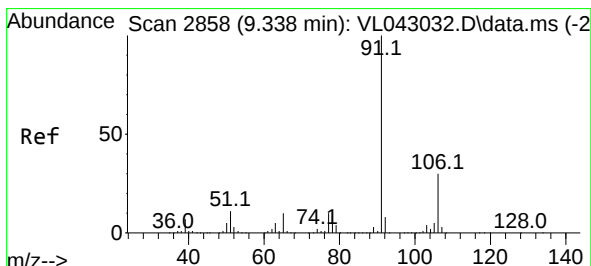
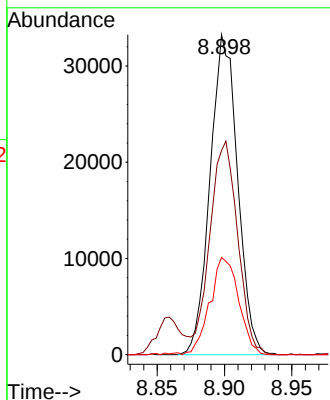
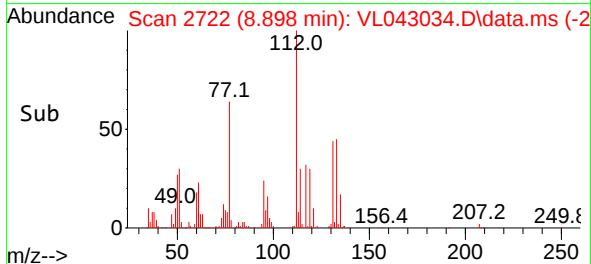
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



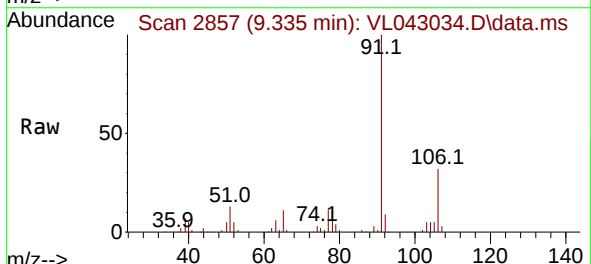
Tgt Ion:112 Resp: 47290
Ion Ratio Lower Upper
112 100
77 63.8 53.2 79.8
114 30.4 28.6 35.0

Manual Integrations
APPROVED

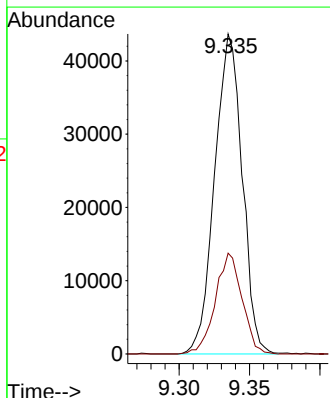
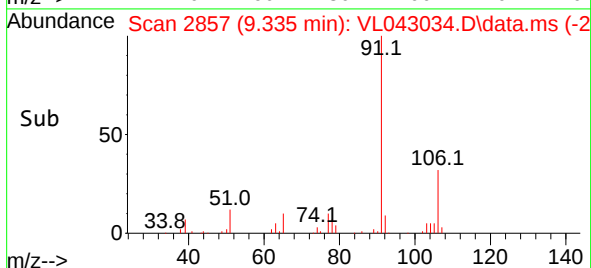
Reviewed By :Semsettin Yesilyurt 10/03/2025
Supervised By :Mahesh Dadoda 10/10/2025

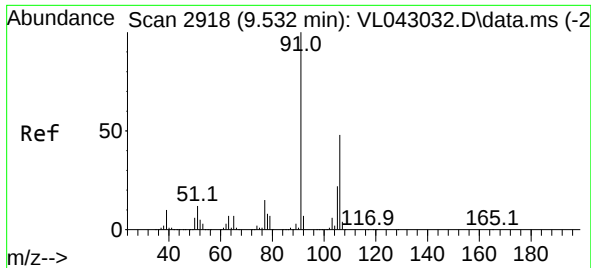


#58
Ethyl Benzene
Concen: 0.890 ppbv
RT: 9.335 min Scan# 2857
Delta R.T. -0.003 min
Lab File: VL043034.D
Acq: 02 Oct 2025 11:29



Tgt Ion: 91 Resp: 59544
Ion Ratio Lower Upper
91 100
106 31.5 24.1 36.1





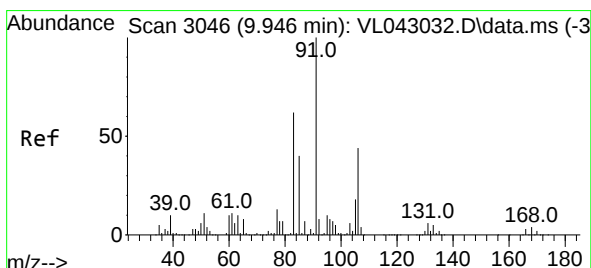
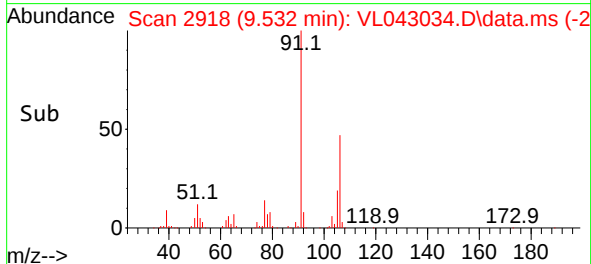
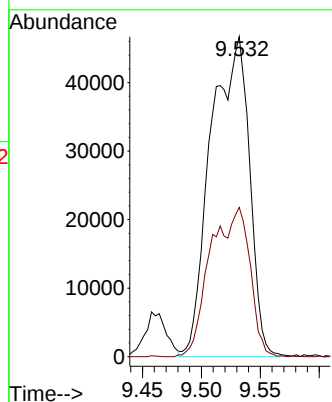
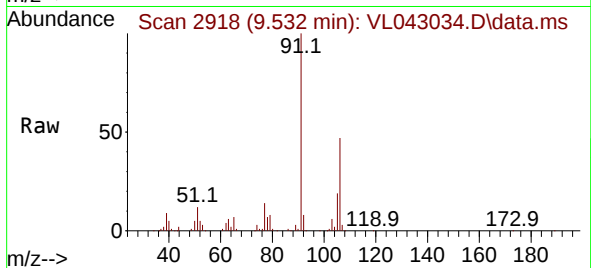
#59
m/p-Xylene
Concen: 1.884 ppbv m
RT: 9.532 min Scan# 2918
Delta R.T. 0.000 min
Lab File: VL043034.D
Acq: 02 Oct 2025 11:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 91 Resp: 10632
Ion Ratio Lower Upper
91 100
106 47.8 37.5 56.3

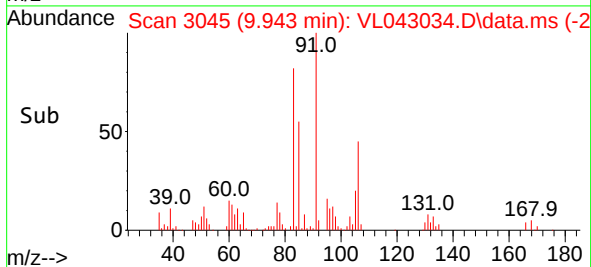
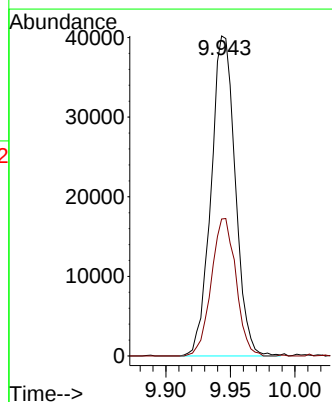
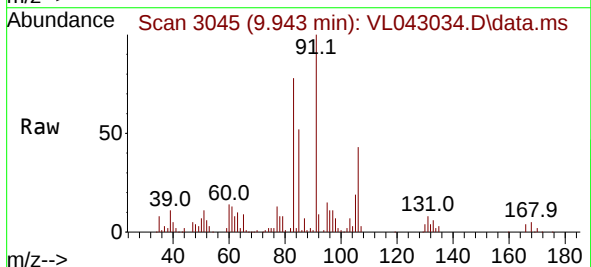
Manual Integrations
APPROVED

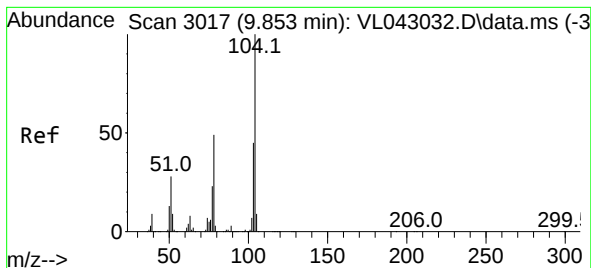
Reviewed By :Semsettin Yesilyurt 10/03/2025
Supervised By :Mahesh Dadoda 10/10/2025



#60
o-Xylene
Concen: 0.934 ppbv
RT: 9.943 min Scan# 3045
Delta R.T. -0.003 min
Lab File: VL043034.D
Acq: 02 Oct 2025 11:29

Tgt Ion: 91 Resp: 52489
Ion Ratio Lower Upper
91 100
106 43.6 21.9 65.5





#61

Styrene

Concen: 0.823 ppbv

RT: 9.849 min Scan# 3017

Delta R.T. -0.003 min

Lab File: VL043034.D

Acq: 02 Oct 2025 11:29

Instrument :

MSVOA_L

ClientSampleId :

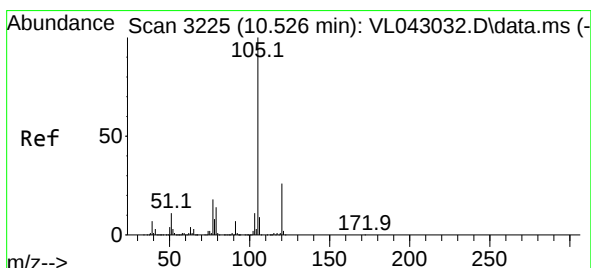
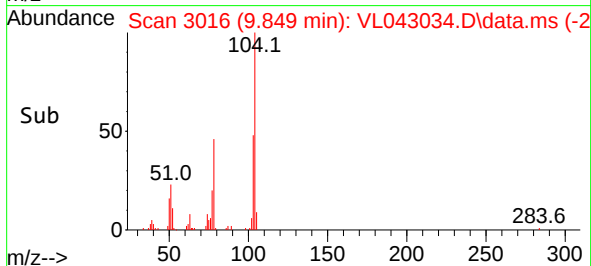
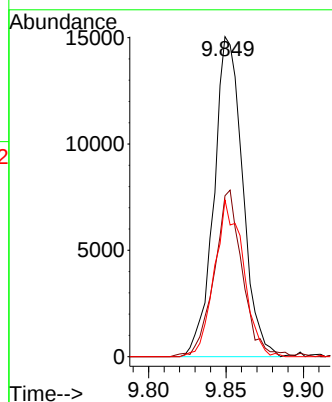
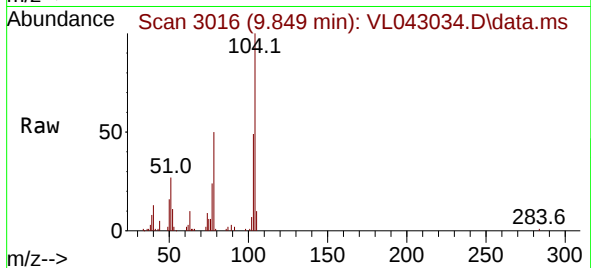
VSTDICC001

Tgt Ion:104	Resp:	19370
Ion Ratio	Lower	Upper
104	100	
78	51.3	39.7 59.5
103	49.2	37.6 56.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/03/2025
Supervised By :Mahesh Dadoda 10/10/2025



#62

Isopropylbenzene

Concen: 0.960 ppbv

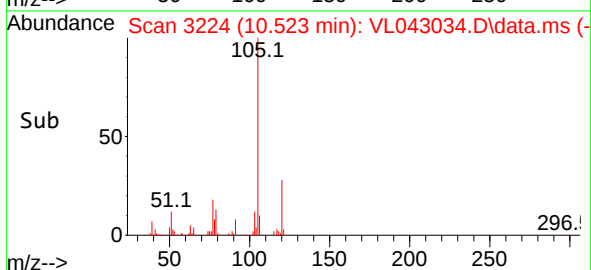
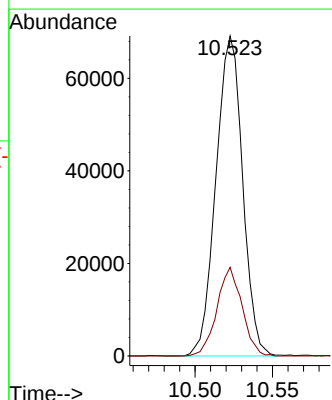
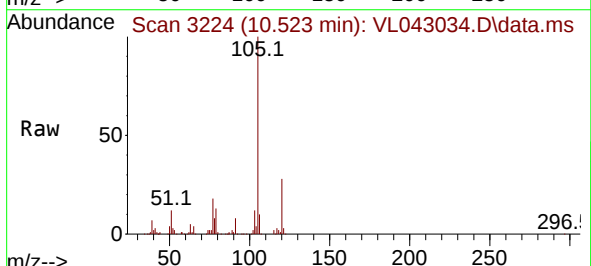
RT: 10.523 min Scan# 3224

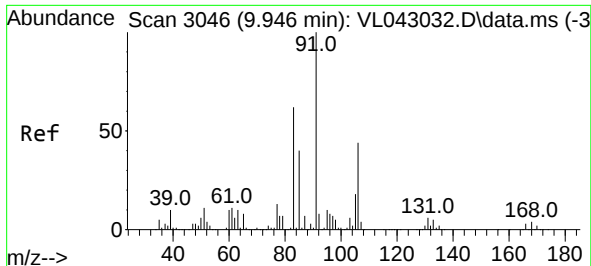
Delta R.T. -0.003 min

Lab File: VL043034.D

Acq: 02 Oct 2025 11:29

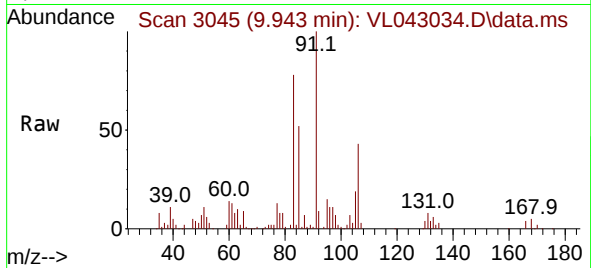
Tgt Ion:105	Resp:	82825
Ion Ratio	Lower	Upper
105	100	
120	26.1	20.6 31.0





#63
1,1,2,2-Tetrachloroethane
Concen: 1.012 ppbv
RT: 9.943 min Scan# 3046
Delta R.T. -0.003 min
Lab File: VL043034.D
Acq: 02 Oct 2025 11:29

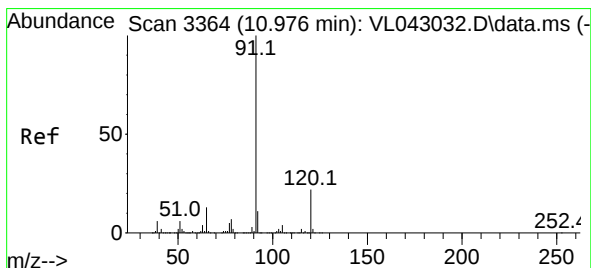
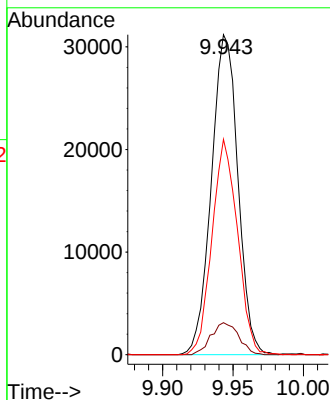
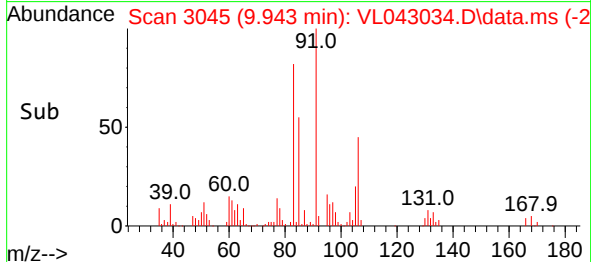
Instrument : MSVOA_L
ClientSampleId : VSTDIC001



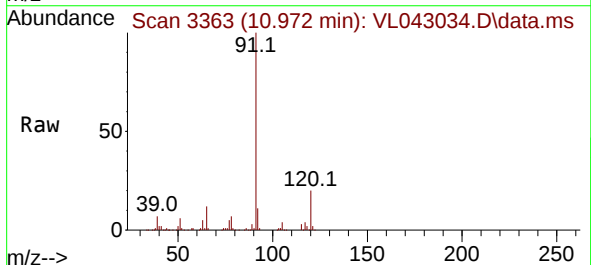
Tgt Ion: 83 Resp: 4098
Ion Ratio Lower Upper
83 100
131 10.4 4.7 14.1
85 64.6 32.0 96.2

Manual Integrations
APPROVED

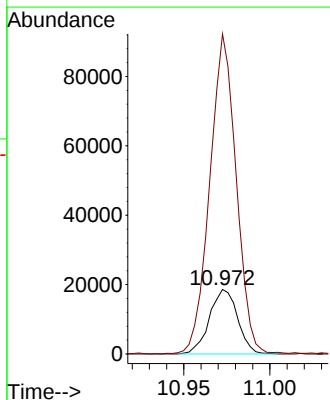
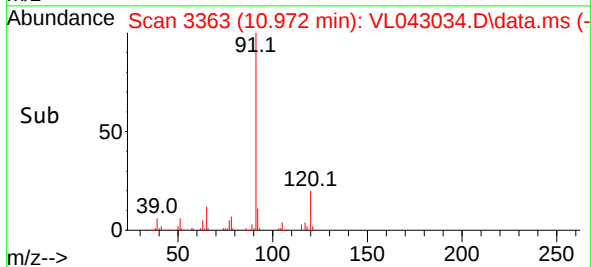
Reviewed By :Semsettin Yesilyurt 10/03/2025
Supervised By :Mahesh Dadoda 10/10/2025

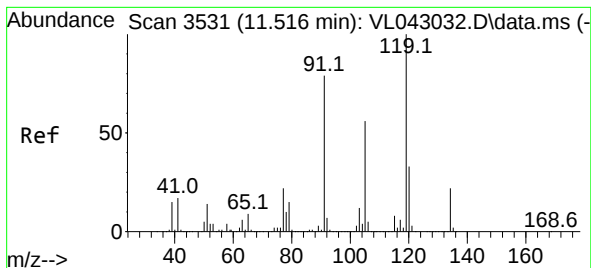


#64
n-propylbenzene
Concen: 0.960 ppbv
RT: 10.972 min Scan# 3363
Delta R.T. -0.003 min
Lab File: VL043034.D
Acq: 02 Oct 2025 11:29



Tgt Ion:120 Resp: 21190
Ion Ratio Lower Upper
120 100
91 468.1 367.0 550.4





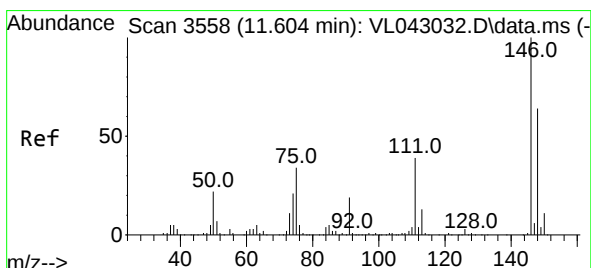
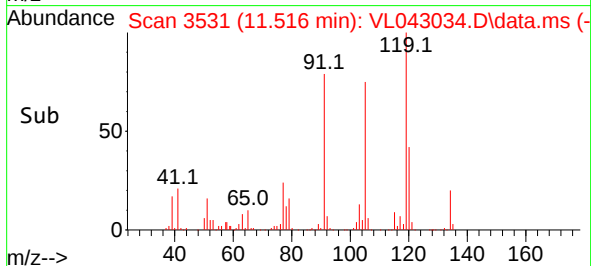
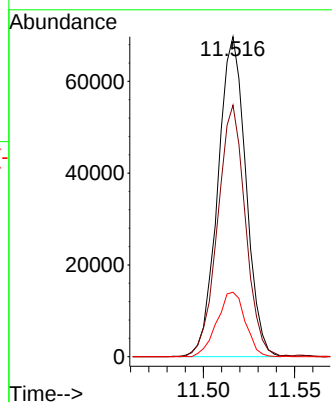
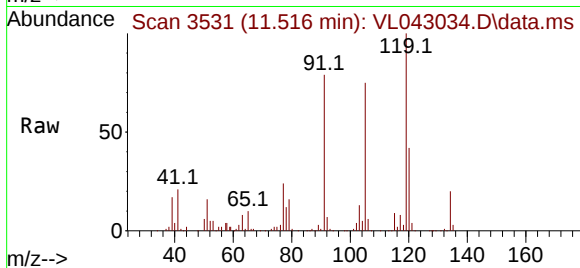
#65
tert-Butylbenzene
Concen: 0.973 ppbv
RT: 11.516 min Scan# 3531
Delta R.T. 0.000 min
Lab File: VL043034.D
Acq: 02 Oct 2025 11:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:119 Resp: 7467
Ion Ratio Lower Upper
119 100
91 78.2 63.1 94.7
134 20.3 16.9 25.3

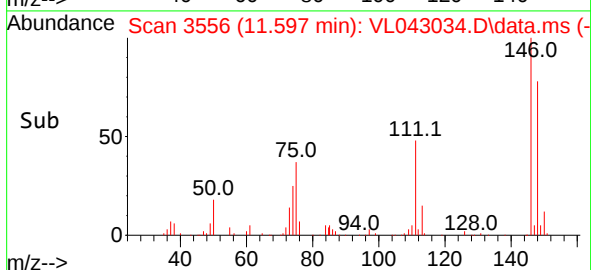
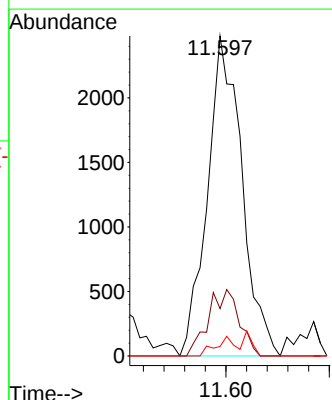
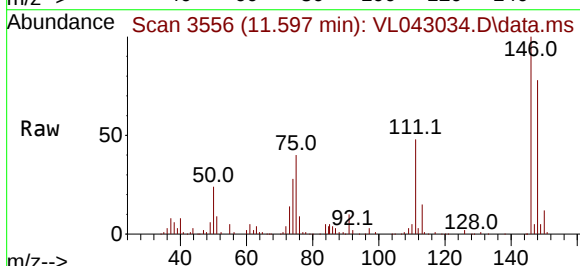
Manual Integrations
APPROVED

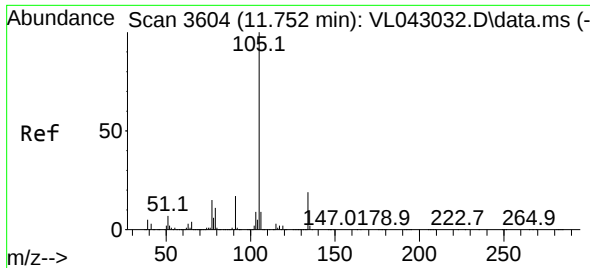
Reviewed By :Semsettin Yesilyurt 10/03/2025
Supervised By :Mahesh Dadoda 10/10/2025



#66
Benzyl Chloride
Concen: 0.963 ppbv
RT: 11.597 min Scan# 3556
Delta R.T. -0.006 min
Lab File: VL043034.D
Acq: 02 Oct 2025 11:29

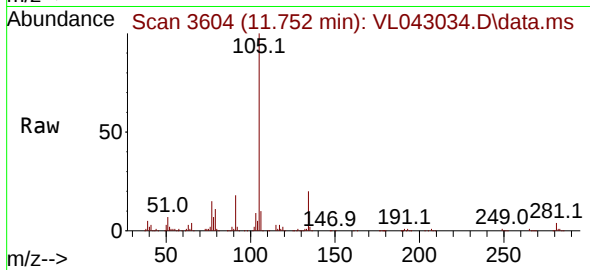
Tgt Ion: 91 Resp: 2866
Ion Ratio Lower Upper
91 100
126 18.7 14.2 21.4
128 5.3 4.8 7.2





#67
 sec-Butylbenzene
 Concen: 0.998 ppbv
 RT: 11.752 min Scan# 3604
 Delta R.T. 0.000 min
 Lab File: VL043034.D
 Acq: 02 Oct 2025 11:29

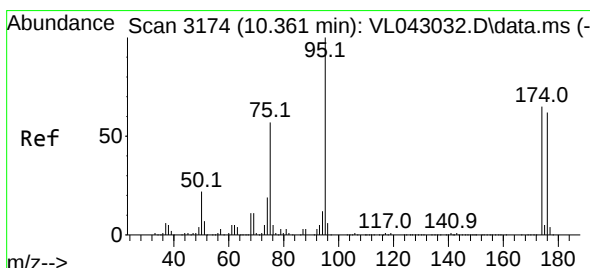
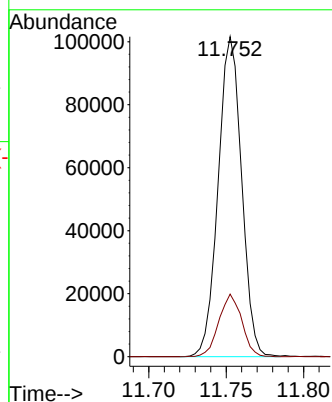
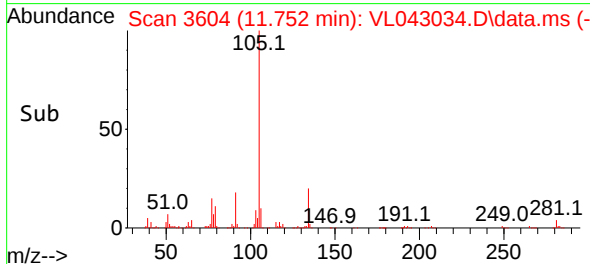
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001



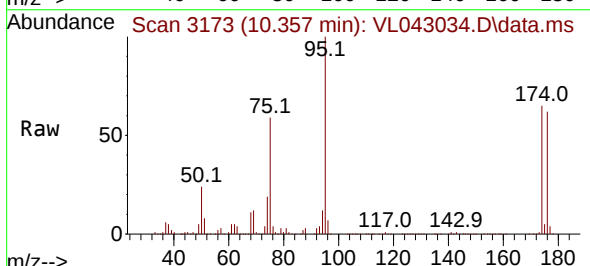
Tgt Ion:105 Resp: 106870
 Ion Ratio Lower Upper
 105 100
 134 19.1 15.2 22.8

Manual Integrations
 APPROVED

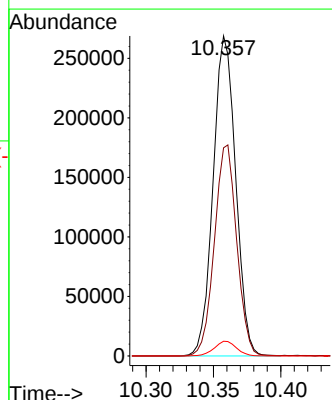
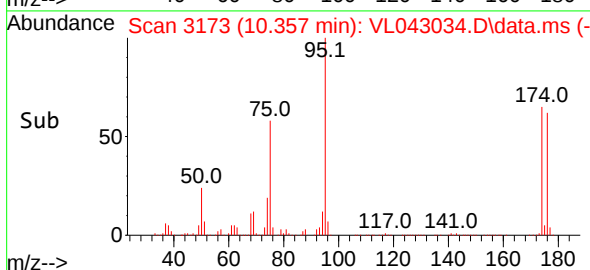
Reviewed By :Semsettin Yesilyurt 10/03/2025
 Supervised By :Mahesh Dadoda 10/10/2025

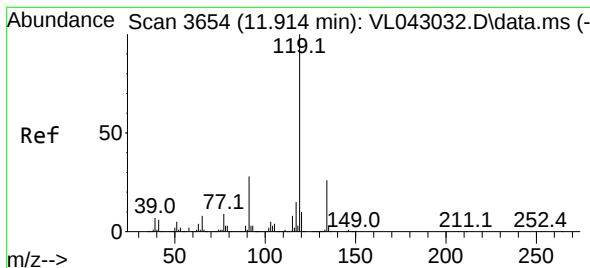


#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.071 ppbv
 RT: 10.357 min Scan# 3173
 Delta R.T. -0.003 min
 Lab File: VL043034.D
 Acq: 02 Oct 2025 11:29



Tgt Ion: 95 Resp: 313212
 Ion Ratio Lower Upper
 95 100
 174 65.6 52.3 78.5
 175 4.5 3.8 5.8





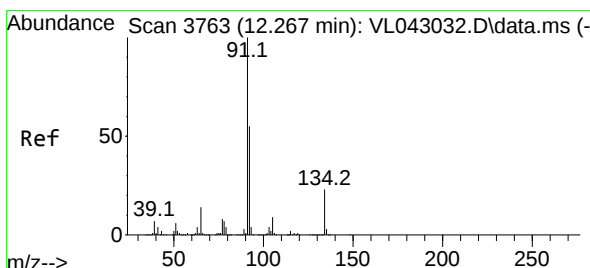
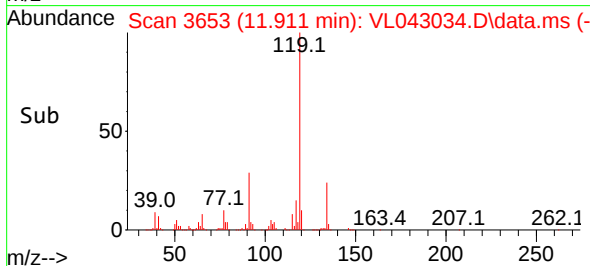
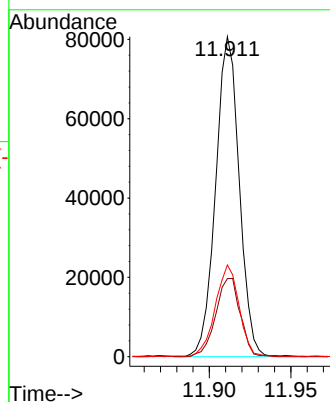
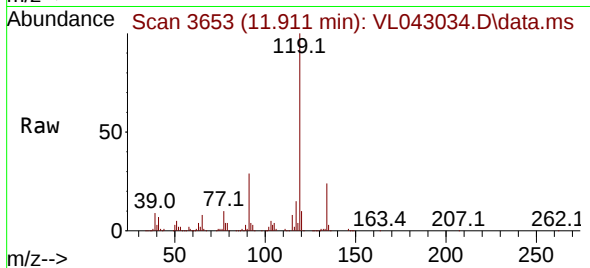
#69
 p-Isopropyltoluene
 Concen: 0.931 ppbv
 RT: 11.911 min Scan# 3653
 Delta R.T. -0.003 min
 Lab File: VL043034.D
 Acq: 02 Oct 2025 11:29

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tgt Ion: 119 Resp: 81108
 Ion Ratio Lower Upper
 119 100
 134 25.5 20.5 30.7
 91 29.5 22.6 33.8

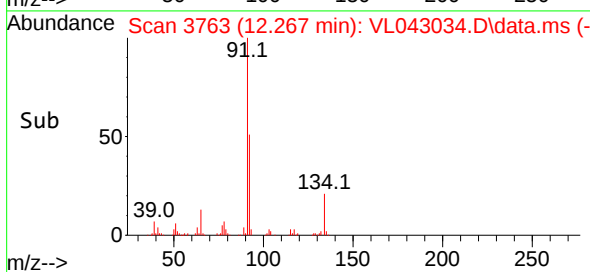
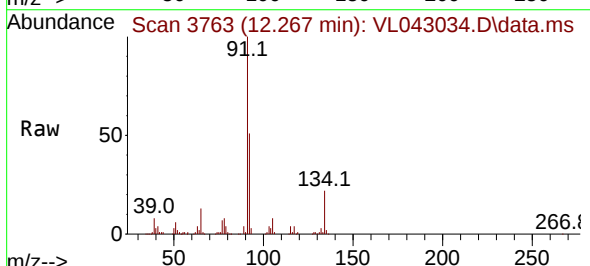
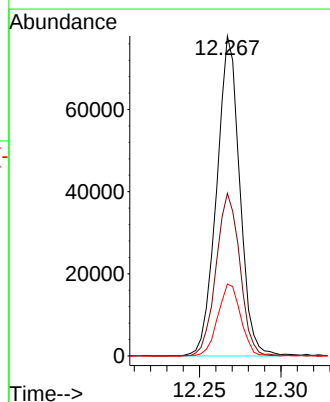
Manual Integrations
 APPROVED

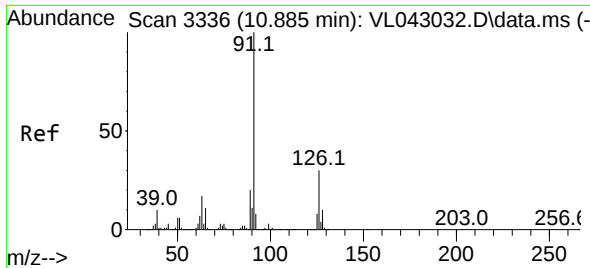
Reviewed By :Semsettin Yesilyurt 10/03/2025
 Supervised By :Mahesh Dadoda 10/10/2025



#70
 n-Butylbenzene
 Concen: 0.914 ppbv
 RT: 12.267 min Scan# 3763
 Delta R.T. 0.000 min
 Lab File: VL043034.D
 Acq: 02 Oct 2025 11:29

Tgt Ion: 91 Resp: 76664
 Ion Ratio Lower Upper
 91 100
 92 52.6 43.9 65.9
 134 22.4 18.9 28.3





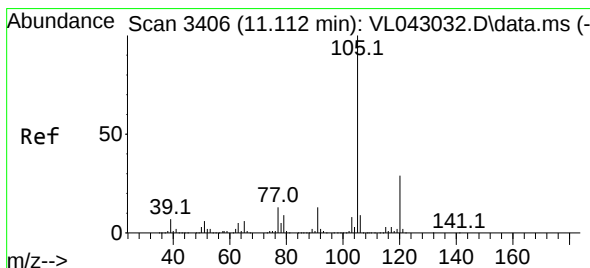
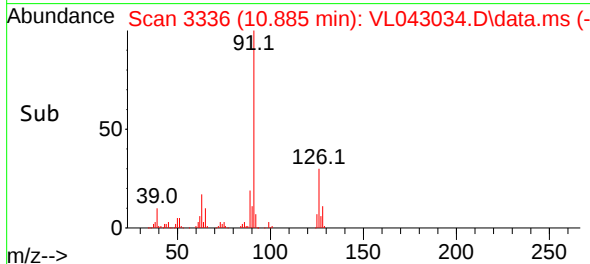
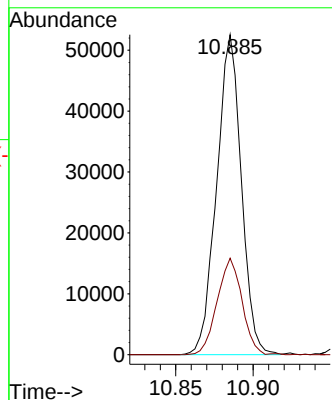
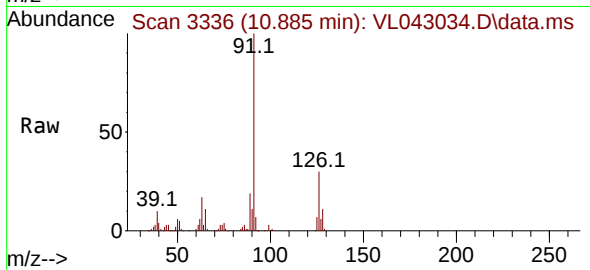
#71
2-Chlorotoluene
Concen: 0.932 ppbv
RT: 10.885 min Scan# 31
Delta R.T. 0.000 min
Lab File: VL043034.D
Acq: 02 Oct 2025 11:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion: 91 Resp: 58174
Ion Ratio Lower Upper
91 100
126 30.4 12.2 48.6

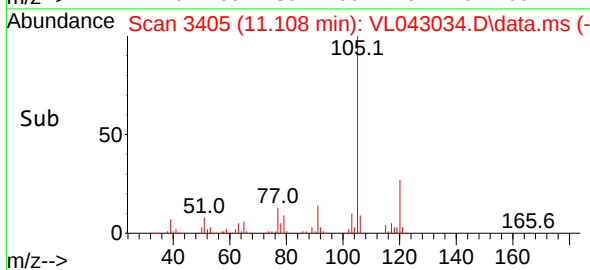
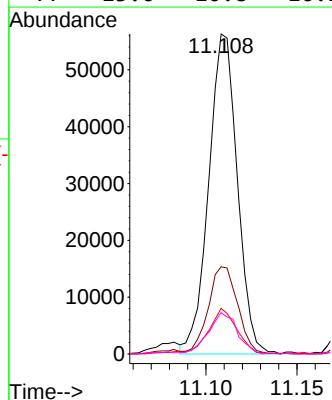
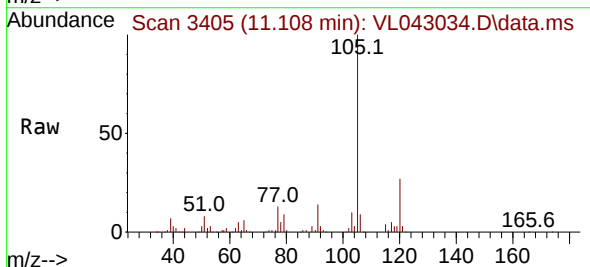
Manual Integrations
APPROVED

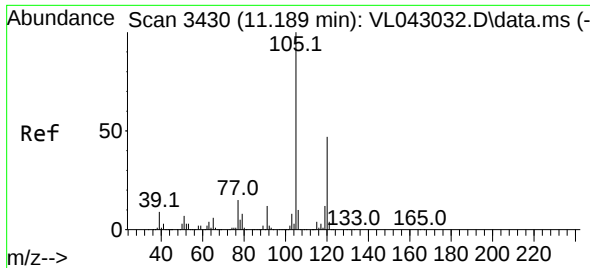
Reviewed By :Semsettin Yesilyurt 10/03/2025
Supervised By :Mahesh Dadoda 10/10/2025



#72
4-Ethyltoluene
Concen: 0.920 ppbv
RT: 11.108 min Scan# 3405
Delta R.T. -0.003 min
Lab File: VL043034.D
Acq: 02 Oct 2025 11:29

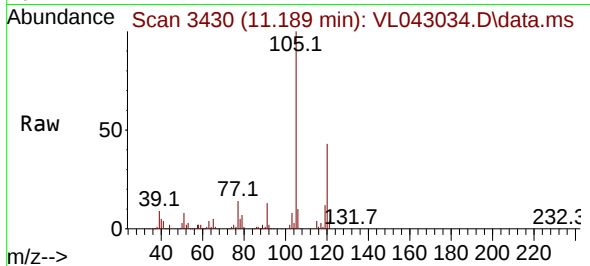
Tgt Ion:105 Resp: 61540
Ion Ratio Lower Upper
105 100
120 29.1 23.5 35.3
91 14.9 10.4 15.6
77 13.6 10.8 16.2





#73
1,3,5-Trimethylbenzene
Concen: 0.948 ppbv
RT: 11.189 min Scan# 3430
Delta R.T. 0.000 min
Lab File: VL043034.D
Acq: 02 Oct 2025 11:29

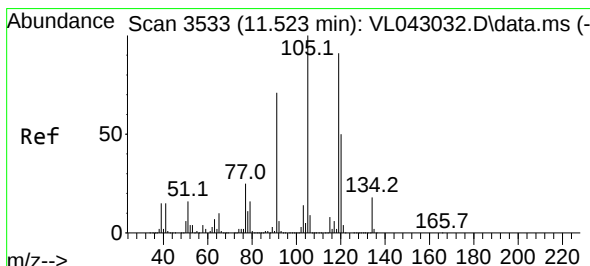
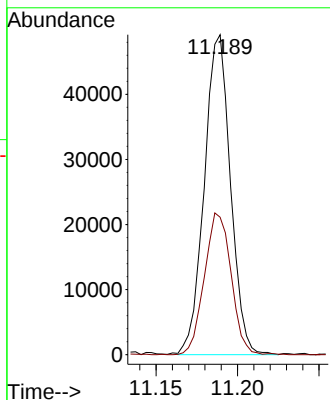
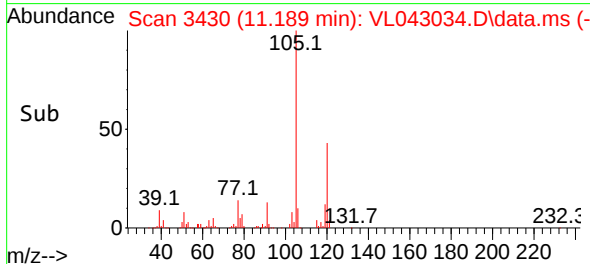
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001



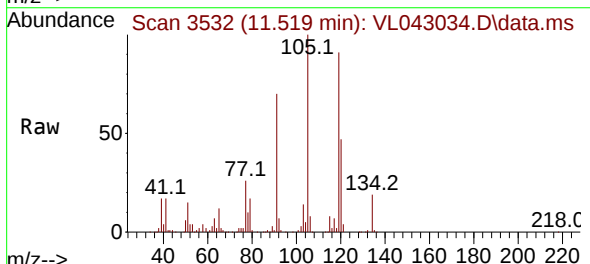
Tgt Ion:105 Resp: 5485
Ion Ratio Lower Upper
105 100
120 42.8 37.5 56.3

Manual Integrations
APPROVED

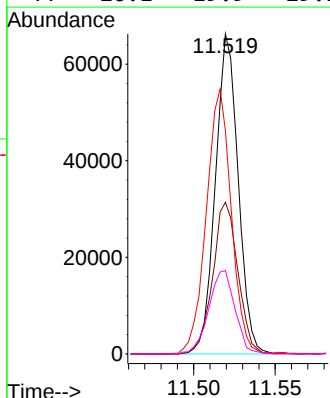
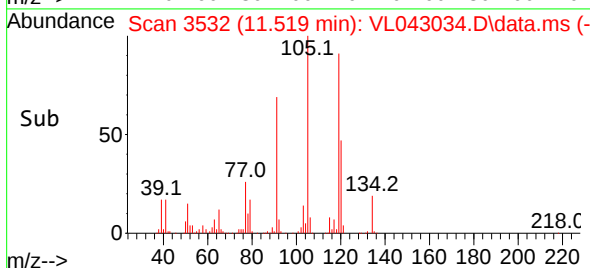
Reviewed By :Semsettin Yesilyurt 10/03/2025
Supervised By :Mahesh Dadoda 10/10/2025

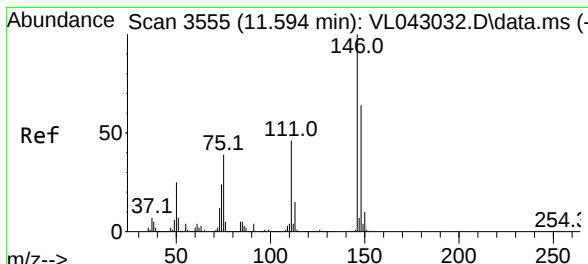


#74
1,2,4-Trimethylbenzene
Concen: 0.986 ppbv
RT: 11.519 min Scan# 3532
Delta R.T. -0.003 min
Lab File: VL043034.D
Acq: 02 Oct 2025 11:29



Tgt Ion:105 Resp: 64405
Ion Ratio Lower Upper
105 100
120 47.4 39.7 59.5
91 69.6 56.5 84.7
77 26.1 19.9 29.9





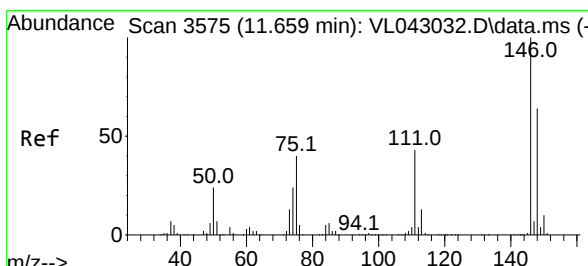
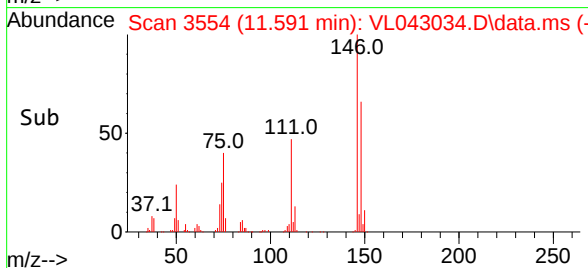
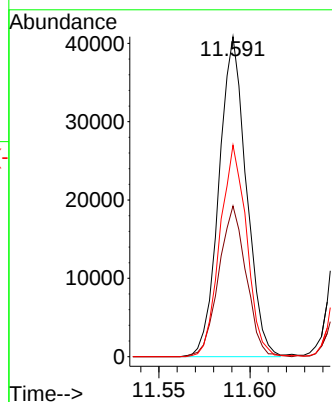
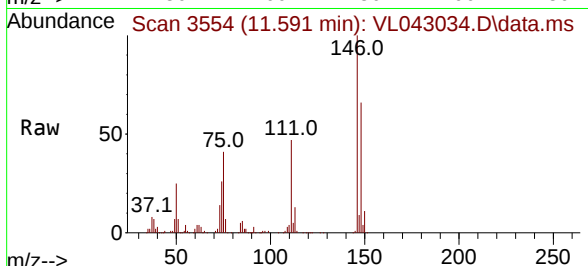
#75
1,3-Dichlorobenzene
Concen: 1.003 ppbv
RT: 11.591 min Scan# 3554
Delta R.T. -0.003 min
Lab File: VL043034.D
Acq: 02 Oct 2025 11:29

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Tgt Ion:146	Resp: 42580
Ion Ratio	Lower Upper
146	100
111	47.1 22.6 67.7
148	65.0 31.9 95.7

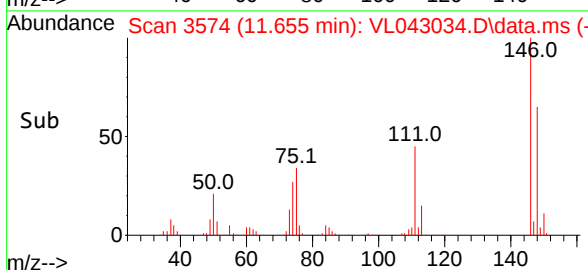
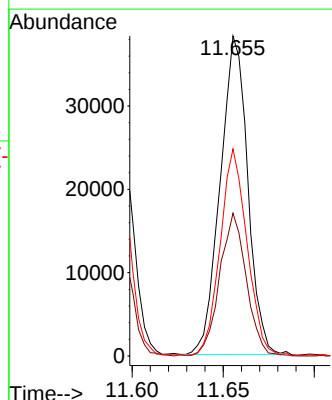
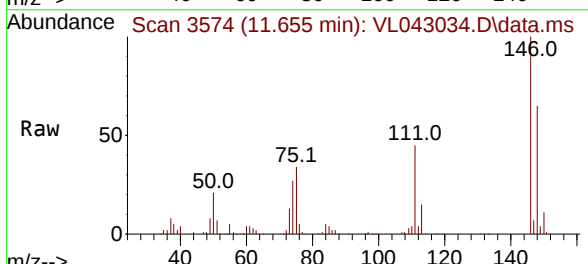
Manual Integrations
APPROVED

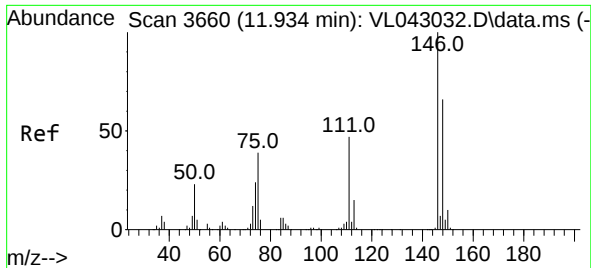
Reviewed By :Semsettin Yesilyurt 10/03/2025
Supervised By :Mahesh Dadoda 10/10/2025



#76
1,4-Dichlorobenzene
Concen: 0.990 ppbv
RT: 11.655 min Scan# 3574
Delta R.T. -0.003 min
Lab File: VL043034.D
Acq: 02 Oct 2025 11:29

Tgt Ion:146	Resp: 40098
Ion Ratio	Lower Upper
146	100
111	43.6 21.7 65.1
148	64.1 32.1 96.3





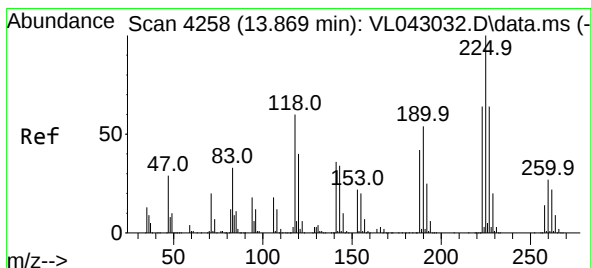
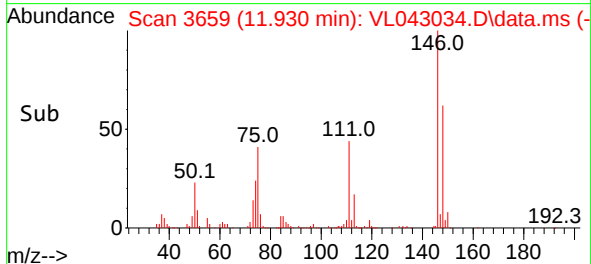
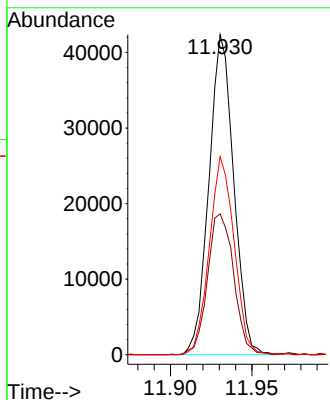
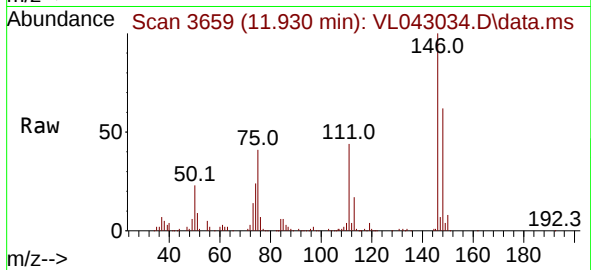
#77
1,2-Dichlorobenzene
Concen: 1.058 ppbv
RT: 11.930 min Scan# 3659
Delta R.T. -0.003 min
Lab File: VL043034.D
Acq: 02 Oct 2025 11:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion:146 Resp: 4477
Ion Ratio Lower Upper
146 100
111 46.6 23.2 69.5
148 62.2 31.9 95.7

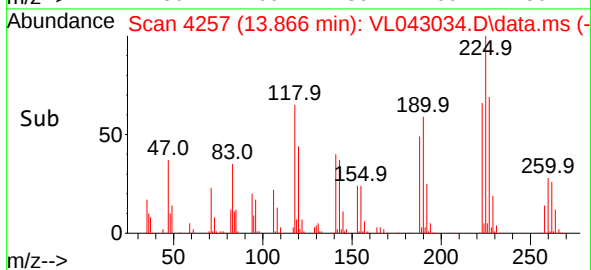
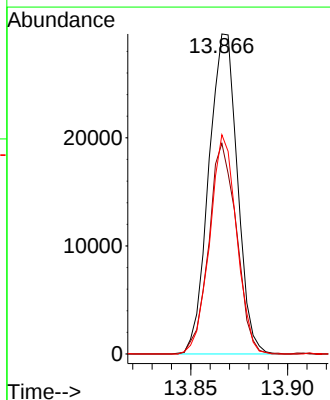
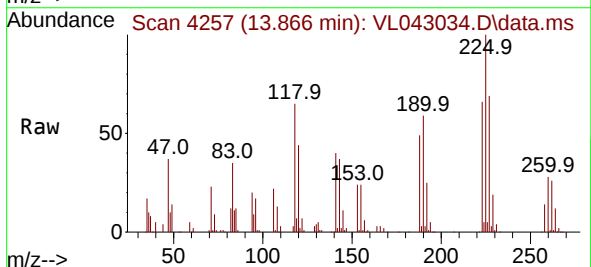
Manual Integrations
APPROVED

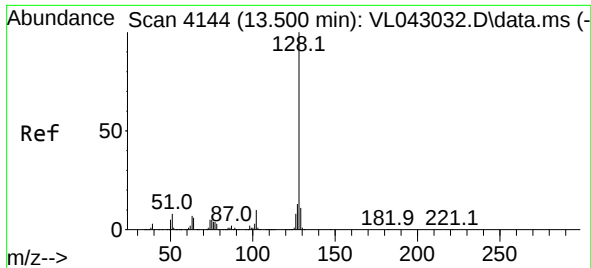
Reviewed By :Semsettin Yesilyurt 10/03/2025
Supervised By :Mahesh Dadoda 10/10/2025



#78
Hexachloro-1,3-Butadiene
Concen: 1.032 ppbv
RT: 13.866 min Scan# 4257
Delta R.T. -0.003 min
Lab File: VL043034.D
Acq: 02 Oct 2025 11:29

Tgt Ion:225 Resp: 30422
Ion Ratio Lower Upper
225 100
223 64.0 50.9 76.3
227 64.2 50.9 76.3





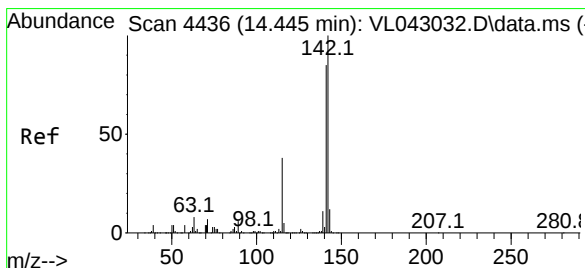
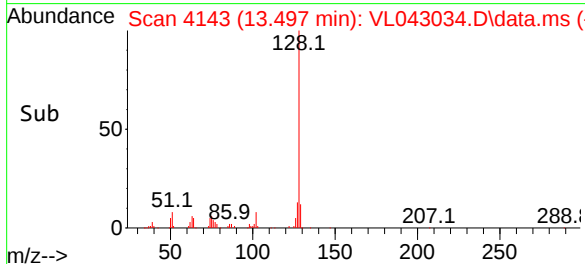
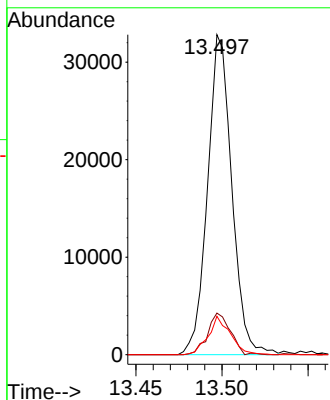
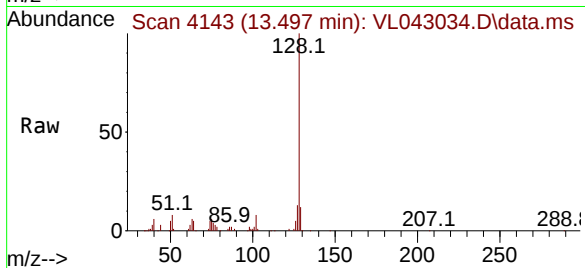
#79
Naphthalene
Concen: 0.831 ppbv
RT: 13.497 min Scan# 4144
Delta R.T. -0.003 min
Lab File: VL043034.D
Acq: 02 Oct 2025 11:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:128 Resp: 3219
Ion Ratio Lower Upper
128 100
127 13.0 10.6 16.0
129 12.0 8.8 13.2

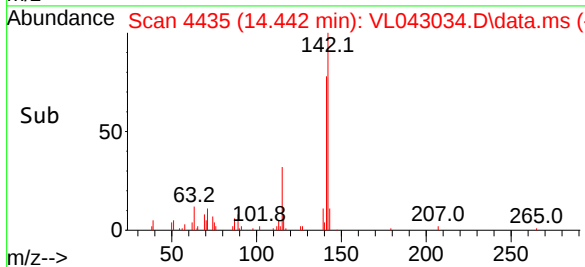
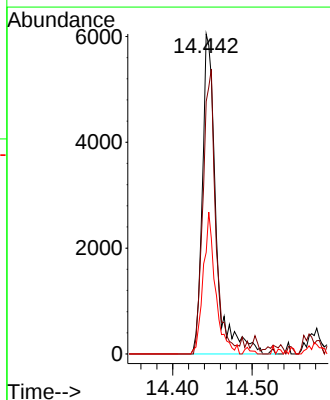
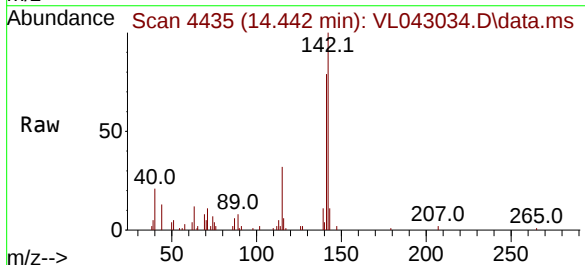
Manual Integrations
APPROVED

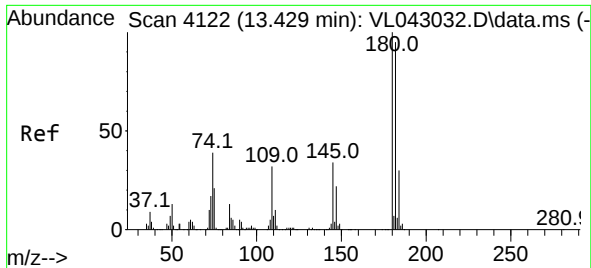
Reviewed By :Semsettin Yesilyurt 10/03/2025
Supervised By :Mahesh Dadoda 10/10/2025



#80
Naphthalene,2-methyl-
Concen: 0.923 ppbv
RT: 14.442 min Scan# 4435
Delta R.T. -0.003 min
Lab File: VL043034.D
Acq: 02 Oct 2025 11:29

Tgt Ion:142 Resp: 7210
Ion Ratio Lower Upper
142 100
141 83.3 66.6 100.0
115 40.1 30.1 45.1





#81

1,2,4-Trichlorobenzene

Concen: 0.816 ppbv

RT: 13.426 min Scan# 41

Delta R.T. -0.003 min

Lab File: VL043034.D

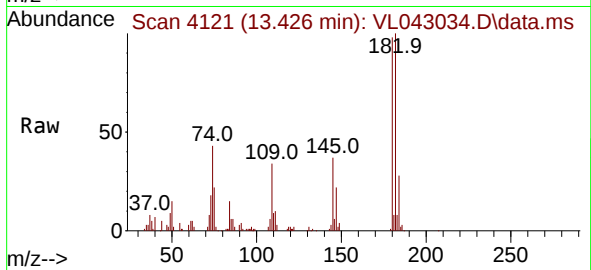
Acq: 02 Oct 2025 11:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC001



Tgt Ion:180	Resp:	20534
Ion Ratio	Lower	Upper
180	100	
182	96.4	76.9 115.3
184	29.9	23.9 35.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/03/2025
Supervised By :Mahesh Dadoda 10/10/2025

