

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL093025\
 Data File : VL043020.D
 Acq On : 30 Sep 2025 10:12
 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 10/01/2025
 Supervised By : Mahesh Dadoda 10/03/2025

Quant Time: Sep 30 23:56:55 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL093025AIR.M

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

QLast Update : Tue Sep 30 23:54:02 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.787	49	146750	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.959	114	467066	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.882	117	412312	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.377 95 314208 10.060 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 100.600%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.499	85	26757	1.054	ppbv	98
3) Chlorodifluoromethane	1.476	51	28093	1.039	ppbv	100
4) Chloromethane	1.534	50	10440	1.083	ppbv	96
5) Vinyl Chloride	1.580	62	8975	0.960	ppbv	98
6) Bromomethane	1.667	94	3455	1.023	ppbv #	68
7) Chloroethane	1.706	64	4001	1.072	ppbv	98
8) Dichlorotetrafluoroethane	1.554	85	21830	1.054	ppbv	99
9) Propene	1.483	41	11234	1.068	ppbv	99
10) Heptane	4.975	43	26789m	0.987	ppbv	
11) Trichlorofluoromethane	1.878	101	27264	1.065	ppbv	96
12) 1,1,2-Trichlorotrifluo...	2.140	101	21379	1.054	ppbv	99
13) Ethanol	1.722	45	1822	1.327	ppbv	79
14) Bromoethene	1.784	108	7864	1.040	ppbv #	94
15) Acetone	1.835	43	22507	1.076	ppbv	97
16) 1,3-Butadiene	1.609	39	9344	1.055	ppbv	97
17) tert-Butyl alcohol	2.043	59	24181	1.034	ppbv	96
18) 1,1-Dichloroethene	2.036	96	9772	1.071	ppbv	97
19) Isopropyl Alcohol	1.887	45	13101	1.065	ppbv #	86
20) Methylene Chloride	2.062	84	14328	1.163	ppbv	97
21) Allyl Chloride	2.098	41	14338	1.013	ppbv	94
22) trans-1,2-Dichloroethene	2.340	96	10601	1.027	ppbv	86
23) Vinyl Acetate	2.463	43	24915	0.862	ppbv #	95
24) 1,1-Dichloroethane	2.412	63	20384	1.049	ppbv	97
25) Ethyl Acetate	2.836	43	57736	1.082	ppbv	99
26) Hexane	2.829	57	31198	1.124	ppbv	87
27) Carbon Disulfide	2.149	76	24969	1.023	ppbv #	42
28) Methyl tert-Butyl Ether	2.441	73	12672	0.932	ppbv	95
29) Chloroform	2.849	83	35818	1.037	ppbv	98
30) Cyclohexane	3.858	84	19501	1.020	ppbv	98
31) cis-1,2-Dichloroethene	2.719	61	22888	1.015	ppbv	99
32) 1,1,1-Trichloroethane	3.370	97	34623	0.989	ppbv	100
34) 2-Butanone	2.557	43	33074	1.006	ppbv	98
35) Carbon Tetrachloride	3.765	117	35487	0.936	ppbv	98
36) Benzene	3.658	78	46683	0.997	ppbv	98
37) 1,2-Dichloroethane	3.217	62	26709	0.999	ppbv	100
38) Trichloroethene	4.548	130	23375	0.974	ppbv	97
39) 1,2-Dichloropropane	4.315	63	17326	1.008	ppbv	91
40) 1,4-Dioxane	4.593	88	6639	0.911	ppbv #	81
41) Tetrahydrofuran	3.059	42	16682	0.953	ppbv	98
42) Bromodichloromethane	4.489	83	37418	1.007	ppbv	93
43) Methyl Methacrylate	4.881	69	15662	0.952	ppbv	98
44) 2,2,4-Trimethylpentane	4.642	57	77716	1.009	ppbv	99
45) t-1,3-Dichloropropene	6.419	75	17070	0.913	ppbv	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL093025\
 Data File : VL043020.D
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Instrument :
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 ClientSampleId :
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Manual Integrations
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Reviewed By :Semsettin Yesilyurt 10/01/2025
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Quant Time: Sep 30 23:56:55 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL093025AIR.M

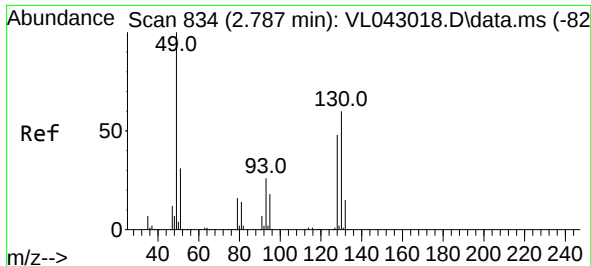
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Tue Sep 30 23:54:02 2025

Response via : Initial Calibration

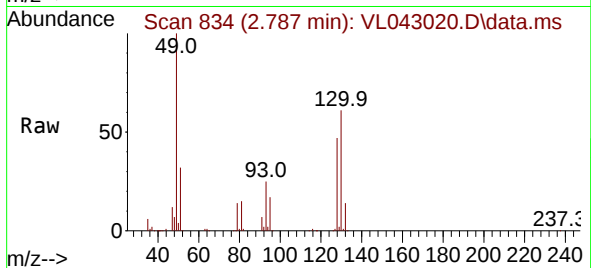
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.600	75	22650m	0.928	ppbv	
47) 1,1,2-Trichloroethane	6.580	97	18473m	1.013	ppbv	
48) Dibromochloromethane	7.390	129	30692m	0.977	ppbv	
49) Bromoform	9.484	173	25561	0.958	ppbv	99
50) 4-Methyl-2-Pentanone	5.761	43	39729	0.947	ppbv	97
51) 2-Hexanone	7.445	43	26169	0.846	ppbv #	97
52) Tetrachloroethene	8.225	164	18311	0.981	ppbv	97
53) Toluene	6.936	91	50386	0.965	ppbv	98
54) 1,2-Dibromoethane	7.658	107	25098m	0.986	ppbv	
56) 1,1,1,2-Tetrachloroethane	8.927	131	24344	1.042	ppbv	97
57) Chlorobenzene	8.924	112	44607	1.049	ppbv #	95
58) Ethyl Benzene	9.354	91	66643	0.954	ppbv	99
59) m/p-Xylene	9.552	91	111334m	1.980	ppbv	
60) o-Xylene	9.963	91	54145	0.969	ppbv	100
61) Styrene	9.872	104	21591	0.913	ppbv	98
62) Isopropylbenzene	10.539	105	82087	0.986	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.963	83	31513	1.051	ppbv	99
64) n-propylbenzene	10.989	120	20727	0.956	ppbv	92
65) tert-Butylbenzene	11.532	119	74920	0.994	ppbv	99
66) Benzyl Chloride	11.613	91	5045	0.839	ppbv #	97
67) sec-Butylbenzene	11.765	105	105012	0.999	ppbv	100
69) p-Isopropyltoluene	11.927	119	86978	0.994	ppbv	99
70) n-Butylbenzene	12.283	91	81356	0.962	ppbv	98
71) 2-Chlorotoluene	10.901	91	60194	0.970	ppbv	100
72) 4-Ethyltoluene	11.125	105	65710	0.956	ppbv	98
73) 1,3,5-Trimethylbenzene	11.202	105	56639	0.977	ppbv	99
74) 1,2,4-Trimethylbenzene	11.536	105	66257	1.013	ppbv	94
75) 1,3-Dichlorobenzene	11.607	146	42796	1.024	ppbv	98
76) 1,4-Dichlorobenzene	11.672	146	40651	0.995	ppbv	99
77) 1,2-Dichlorobenzene	11.947	146	42607	1.044	ppbv	99
78) Hexachloro-1,3-Butadiene	13.879	225	35162	1.077	ppbv	99
79) Naphthalene	13.513	128	49819	0.965	ppbv	98
80) Naphthalene,2-methyl-	14.458	142	9235	0.691	ppbv	95
81) 1,2,4-Trichlorobenzene	13.439	180	28977	0.926	ppbv	99

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



#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 81
Delta R.T. 0.000 min
Lab File: VL043020.D
Acq: 30 Sep 2025 10:12

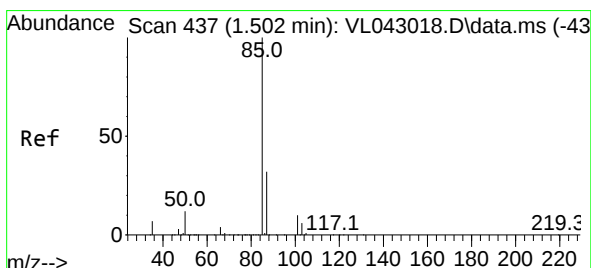
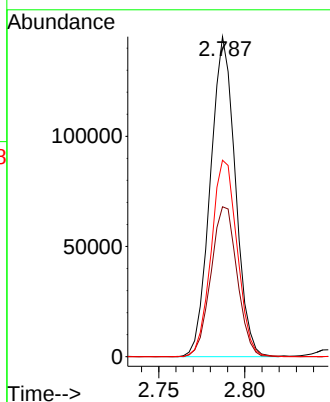
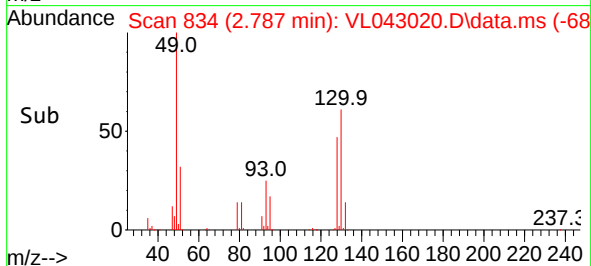
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001



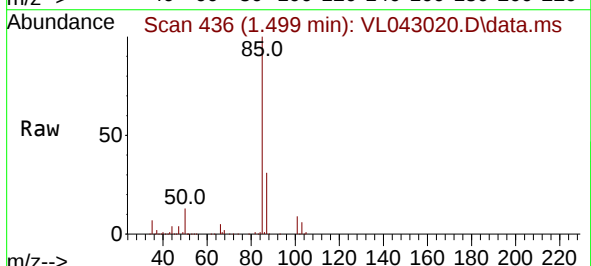
Tgt Ion: 49 Resp: 146750
Ion Ratio Lower Upper
49 100
128 49.2 25.2 75.6
130 63.6 31.6 94.7

Manual Integrations
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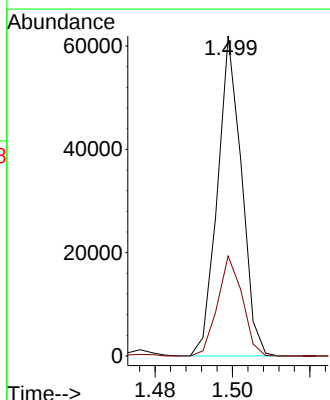
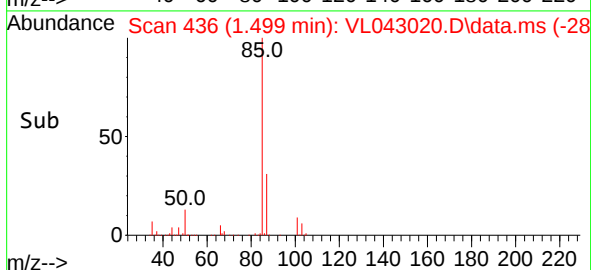
Reviewed By :Semsettin Yesilyurt 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

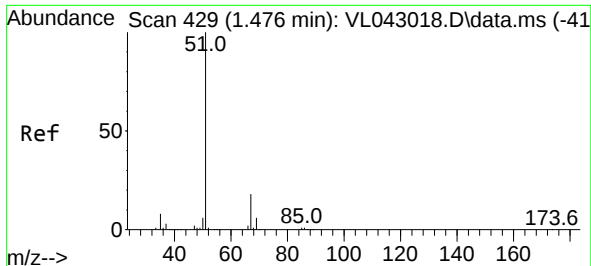


#2
Dichlorodifluoromethane
Concen: 1.054 ppbv
RT: 1.499 min Scan# 436
Delta R.T. -0.003 min
Lab File: VL043020.D
Acq: 30 Sep 2025 10:12



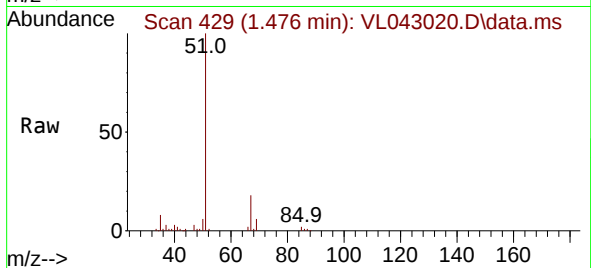
Tgt Ion: 85 Resp: 26757
Ion Ratio Lower Upper
85 100
87 31.3 25.8 38.6





#3
Chlorodifluoromethane
Concen: 1.039 ppbv
RT: 1.476 min Scan# 429
Delta R.T. 0.000 min
Lab File: VL043020.D
Acq: 30 Sep 2025 10:12

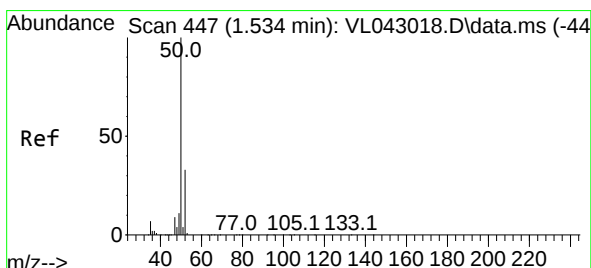
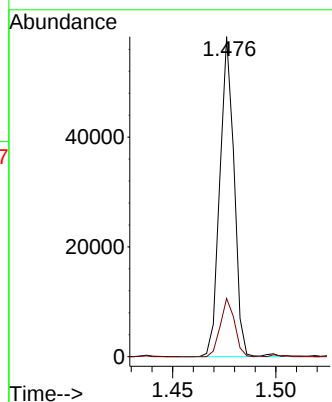
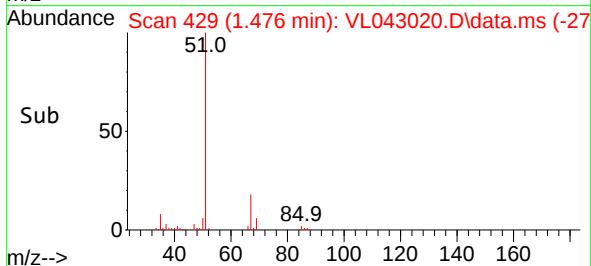
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



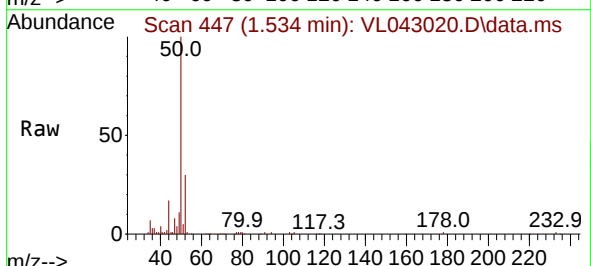
Tgt Ion: 51 Resp: 2809
Ion Ratio Lower Upper
51 100
67 18.7 15.1 22.7

Manual Integrations
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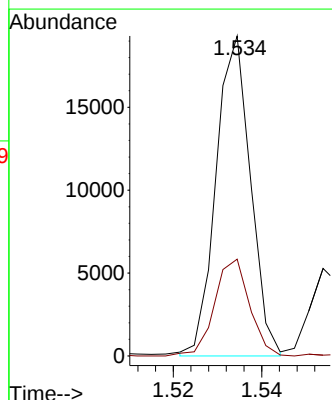
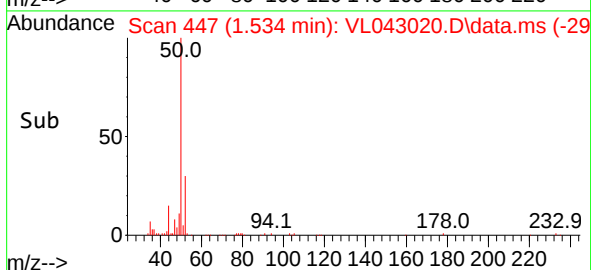
Reviewed By :Semsettin Yesilyurt 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

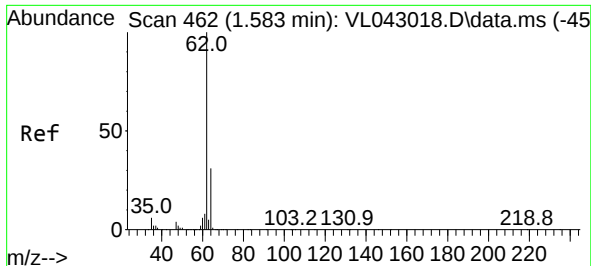


#4
Chloromethane
Concen: 1.083 ppbv
RT: 1.534 min Scan# 447
Delta R.T. 0.000 min
Lab File: VL043020.D
Acq: 30 Sep 2025 10:12



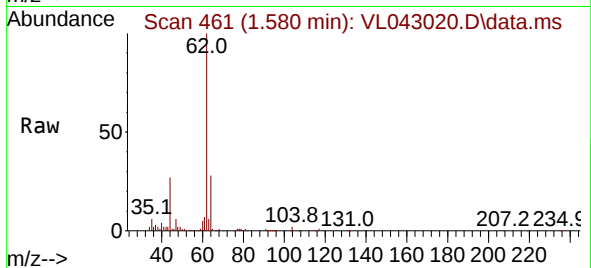
Tgt Ion: 50 Resp: 10440
Ion Ratio Lower Upper
50 100
52 30.3 26.0 39.0





#5
 Vinyl Chloride
 Concen: 0.960 ppbv
 RT: 1.580 min Scan# 461
 Delta R.T. -0.003 min
 Lab File: VL043020.D
 Acq: 30 Sep 2025 10:12

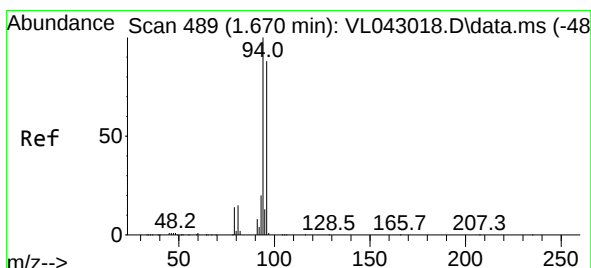
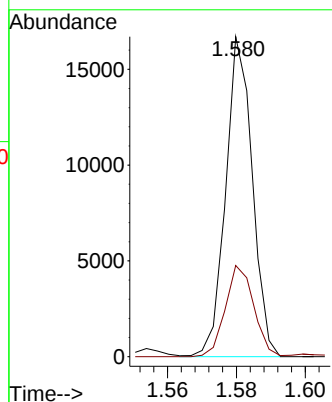
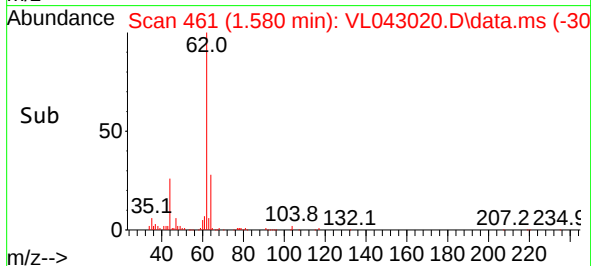
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001



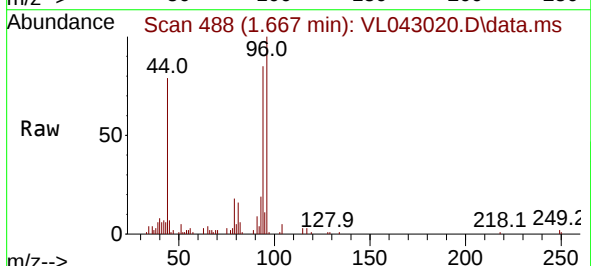
Tgt Ion: 62 Resp: 8975
 Ion Ratio Lower Upper
 62 100
 64 29.6 24.6 37.0

Manual Integrations
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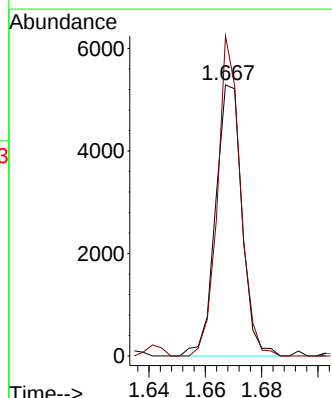
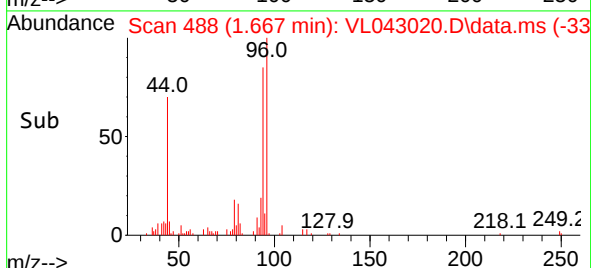
Reviewed By :Semsettin Yesilyurt 10/01/2025
 Supervised By :Mahesh Dadoda 10/03/2025

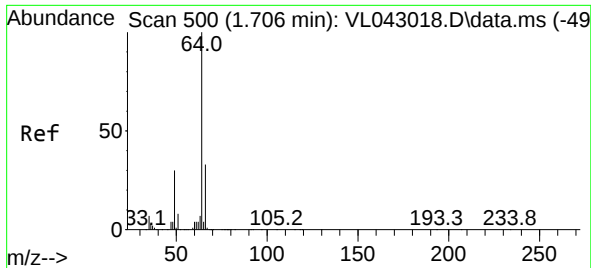


#6
 Bromomethane
 Concen: 1.023 ppbv
 RT: 1.667 min Scan# 488
 Delta R.T. -0.003 min
 Lab File: VL043020.D
 Acq: 30 Sep 2025 10:12



Tgt Ion: 94 Resp: 3455
 Ion Ratio Lower Upper
 94 100
 96 118.1 70.5 105.7#





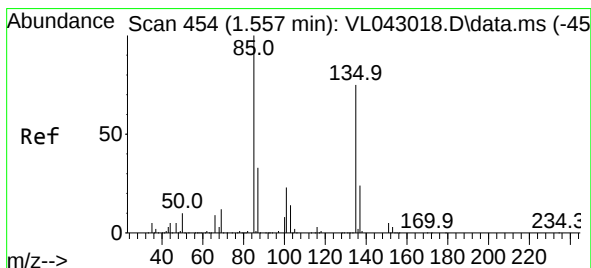
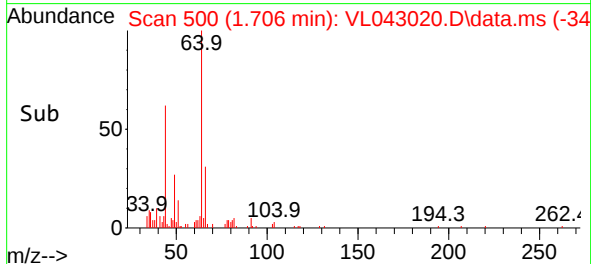
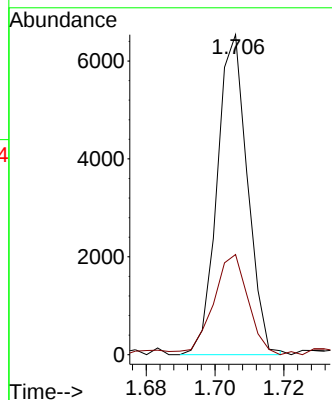
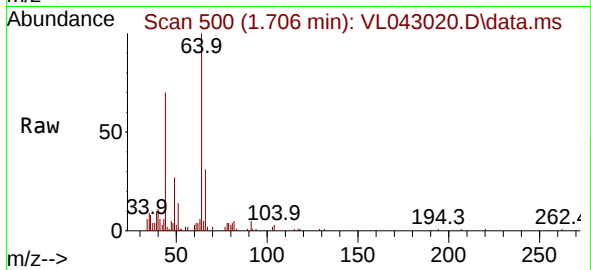
#7
Chloroethane
Concen: 1.072 ppbv
RT: 1.706 min Scan# 500
Delta R.T. 0.000 min
Lab File: VL043020.D
Acq: 30 Sep 2025 10:12

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion: 64 Resp: 400
Ion Ratio Lower Upper
64 100
66 31.3 26.0 39.0

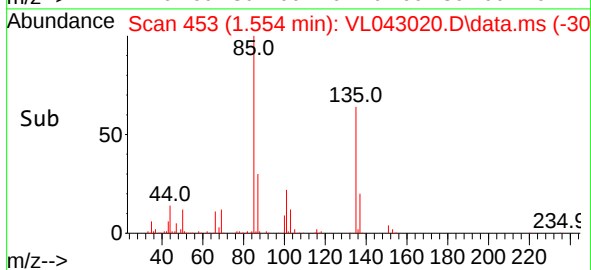
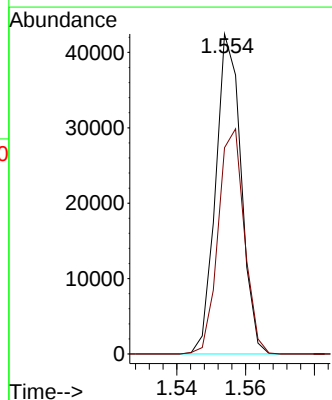
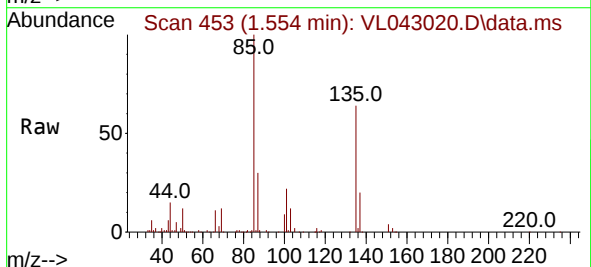
Manual Integrations
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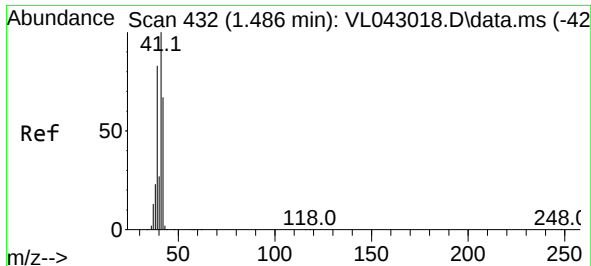
Reviewed By :Semsettin Yesilyurt 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025



#8
Dichlorotetrafluoroethane
Concen: 1.054 ppbv
RT: 1.554 min Scan# 453
Delta R.T. -0.003 min
Lab File: VL043020.D
Acq: 30 Sep 2025 10:12

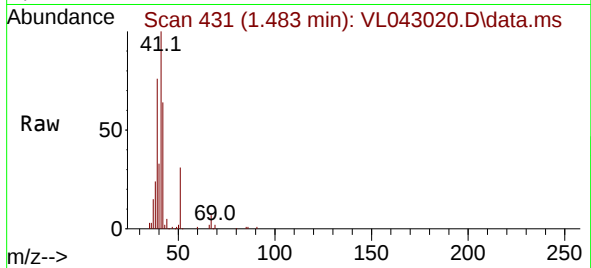
Tgt Ion: 85 Resp: 21830
Ion Ratio Lower Upper
85 100
135 72.2 57.4 86.0





#9
 Propene
 Concen: 1.068 ppbv
 RT: 1.483 min Scan# 41
 Delta R.T. -0.003 min
 Lab File: VL043020.D
 Acq: 30 Sep 2025 10:12

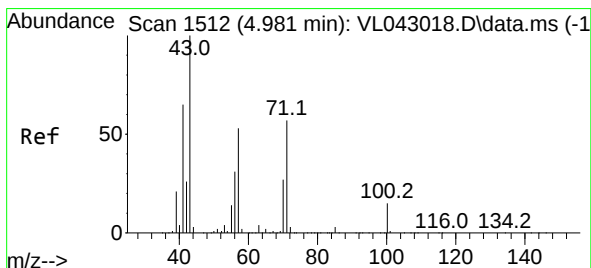
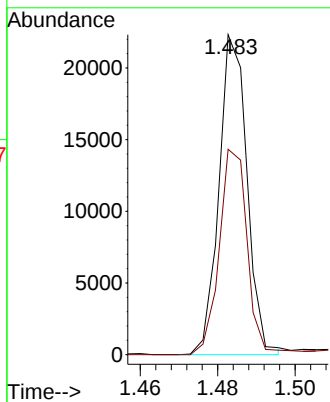
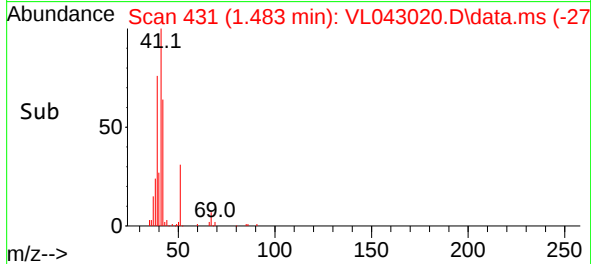
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001



Tgt Ion: 41 Resp: 11234
 Ion Ratio Lower Upper
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 42 66.8 54.2 81.2

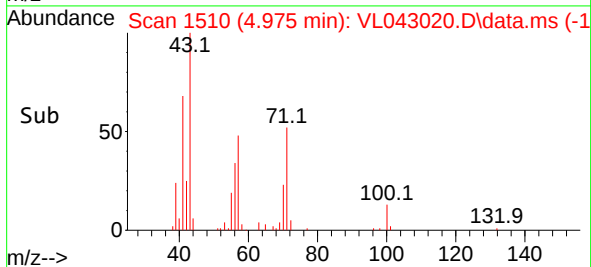
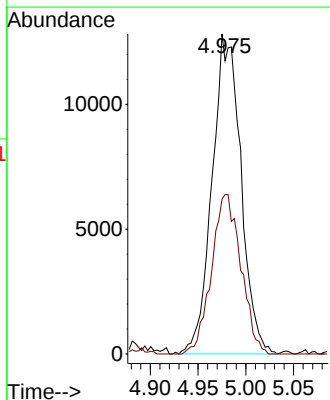
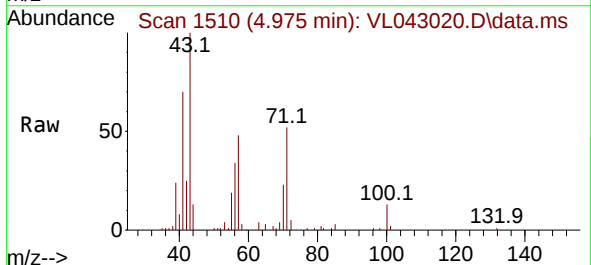
Manual Integrations
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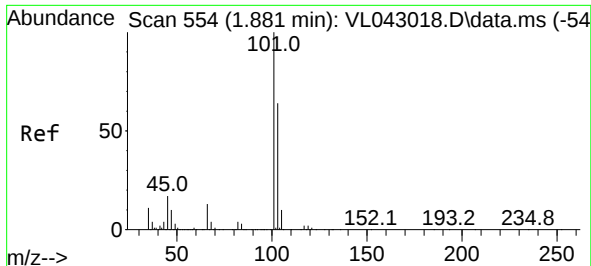
Reviewed By :Semsettin Yesilyurt 10/01/2025
 Supervised By :Mahesh Dadoda 10/03/2025



#10
 Heptane
 Concen: 0.987 ppbv m
 RT: 4.975 min Scan# 1510
 Delta R.T. -0.006 min
 Lab File: VL043020.D
 Acq: 30 Sep 2025 10:12

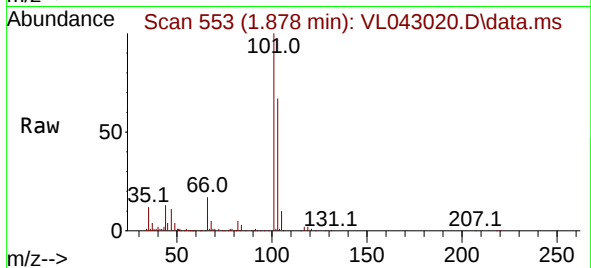
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 Ion Ratio Lower Upper
 43 100
 57 51.0 40.5 60.7





#11
Trichlorofluoromethane
Concen: 1.065 ppbv
RT: 1.878 min Scan# 511
Delta R.T. -0.003 min
Lab File: VL043020.D
Acq: 30 Sep 2025 10:12

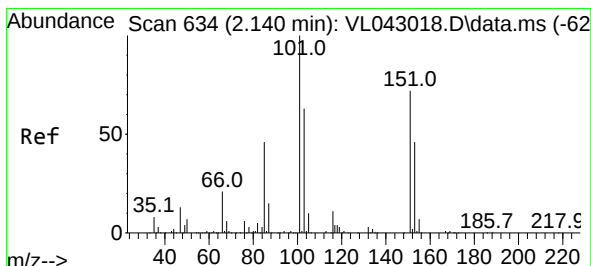
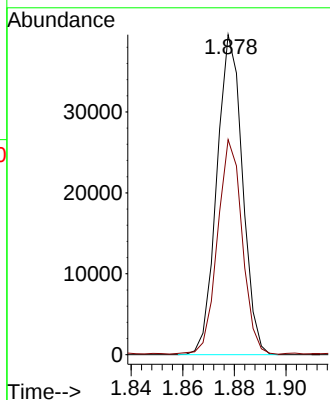
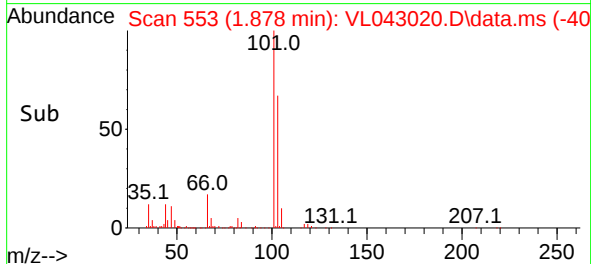
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



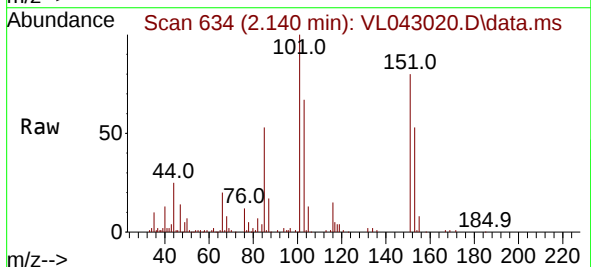
Tgt Ion:101 Resp: 27264
Ion Ratio Lower Upper
101 100
103 67.0 51.4 77.0

Manual Integrations
APPROVED

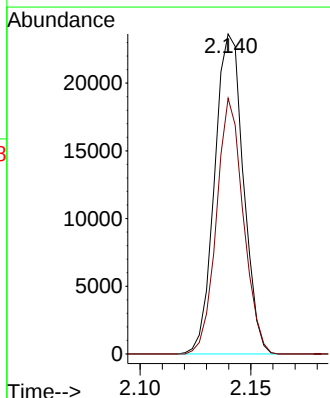
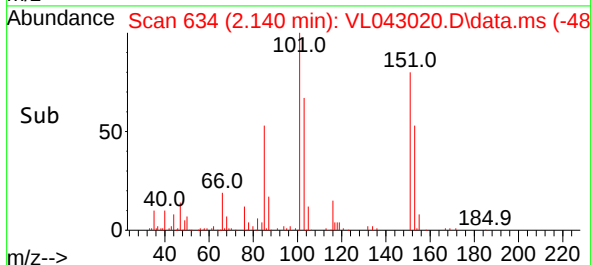
Reviewed By :Semsettin Yesilyurt 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

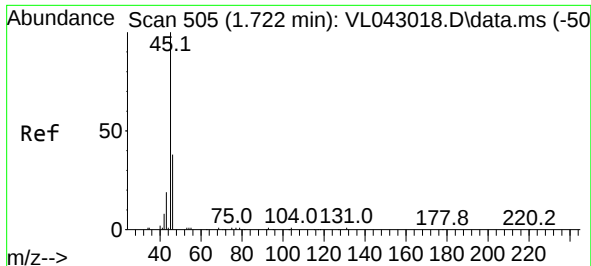


#12
1,1,2-Trichlorotrifluoroethane
Concen: 1.054 ppbv
RT: 2.140 min Scan# 634
Delta R.T. 0.000 min
Lab File: VL043020.D
Acq: 30 Sep 2025 10:12



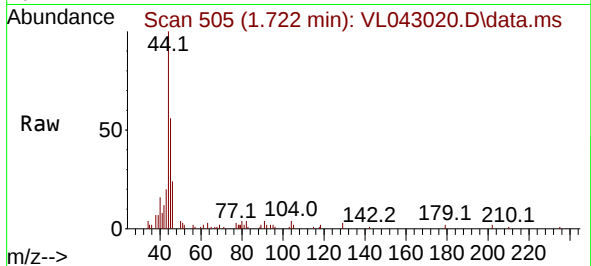
Tgt Ion:101 Resp: 21379
Ion Ratio Lower Upper
101 100
151 74.5 60.2 90.4





#13
Ethanol
Concen: 1.327 ppbv
RT: 1.722 min Scan# 505
Delta R.T. 0.000 min
Lab File: VL043020.D
Acq: 30 Sep 2025 10:12

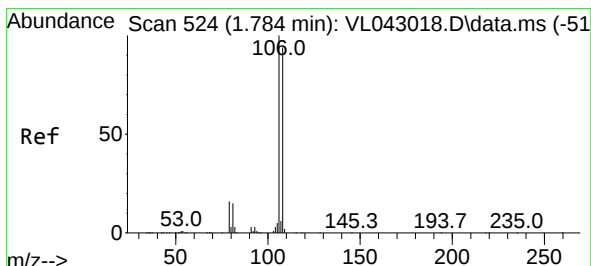
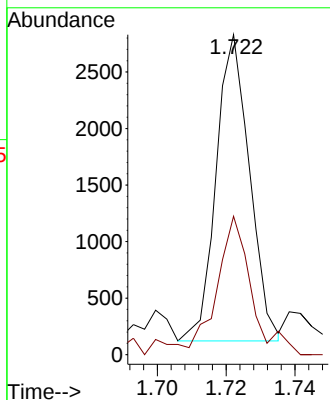
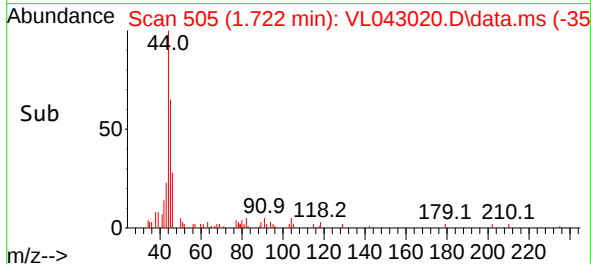
Instrument :
MSVOA_L
Client Sample Id :
VSTDIC001



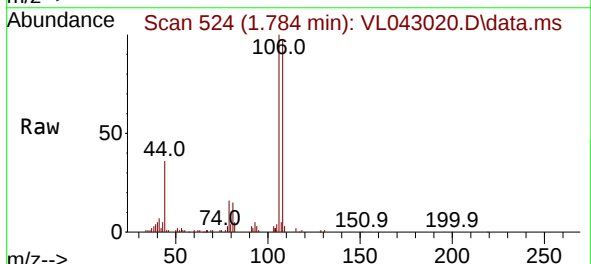
Tgt Ion: 45 Resp: 182
Ion Ratio Lower Upper
45 100
46 53.8 16.2 64.8

Manual Integrations
APPROVED

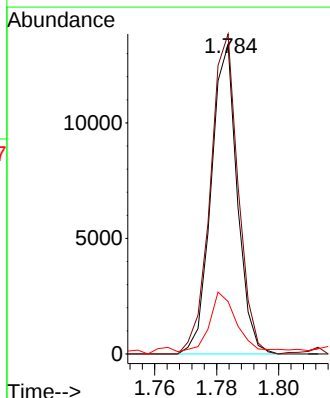
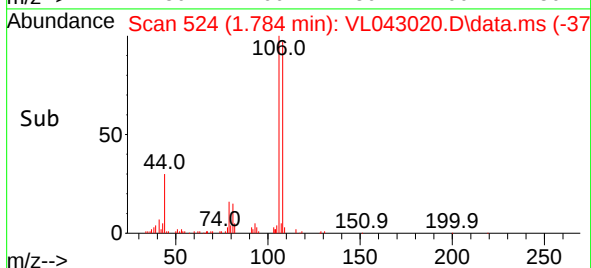
Reviewed By :Semsettin Yesilyurt 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

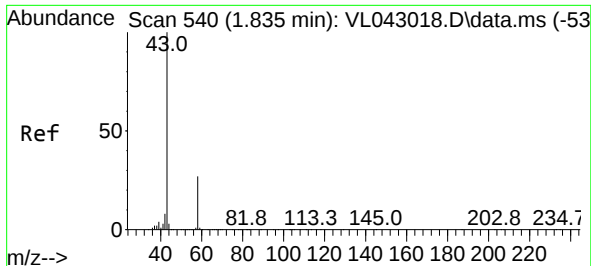


#14
Bromoethene
Concen: 1.040 ppbv
RT: 1.784 min Scan# 524
Delta R.T. 0.000 min
Lab File: VL043020.D
Acq: 30 Sep 2025 10:12



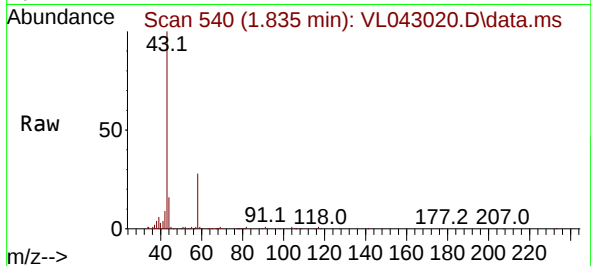
Tgt Ion:108 Resp: 7864
Ion Ratio Lower Upper
108 100
106 111.1 85.4 128.0
79 24.7 13.8 20.8





#15
Acetone
Concen: 1.076 ppbv
RT: 1.835 min Scan# 540
Delta R.T. 0.000 min
Lab File: VL043020.D
Acq: 30 Sep 2025 10:12

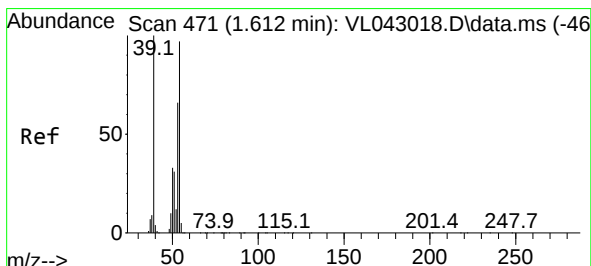
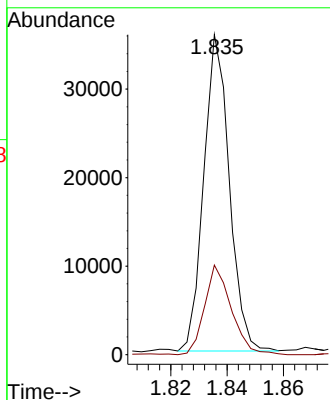
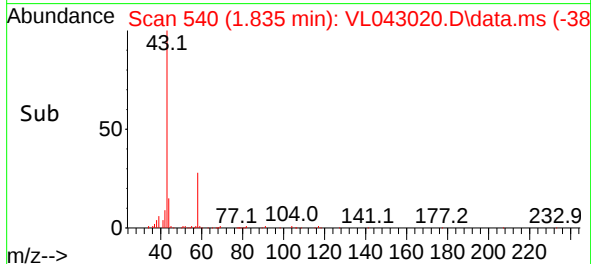
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



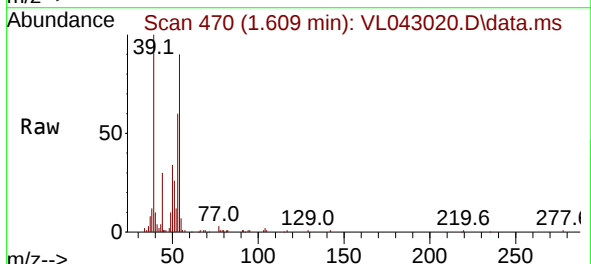
Tgt Ion: 43 Resp: 2250
Ion Ratio Lower Upper
43 100
58 30.1 22.8 34.2

Manual Integrations
APPROVED

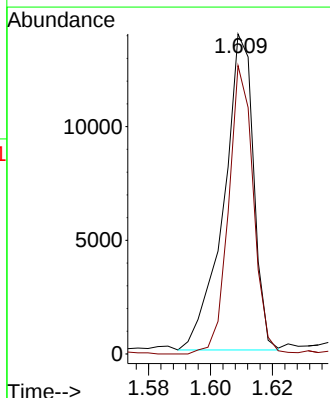
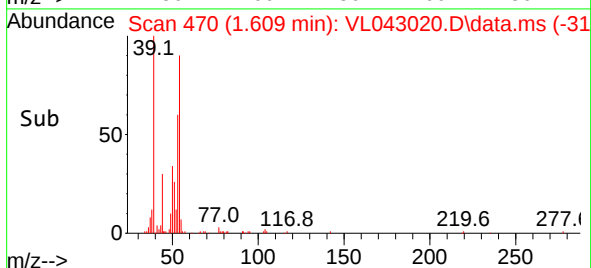
Reviewed By :Semsettin Yesilyurt 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

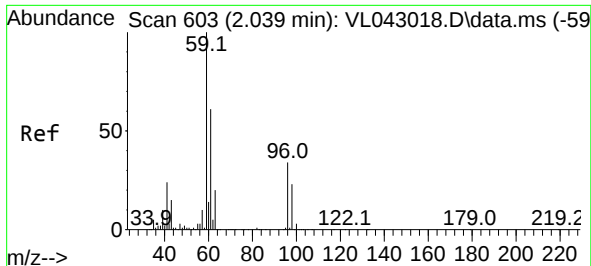


#16
1,3-Butadiene
Concen: 1.055 ppbv
RT: 1.609 min Scan# 470
Delta R.T. -0.003 min
Lab File: VL043020.D
Acq: 30 Sep 2025 10:12



Tgt Ion: 39 Resp: 9344
Ion Ratio Lower Upper
39 100
54 79.2 65.4 98.2





#17

tert-Butyl alcohol

Concen: 1.034 ppbv

RT: 2.043 min Scan# 603

Delta R.T. 0.003 min

Lab File: VL043020.D

Acq: 30 Sep 2025 10:12

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tgt Ion: 59 Resp: 2418

Ion Ratio Lower Upper

59 100

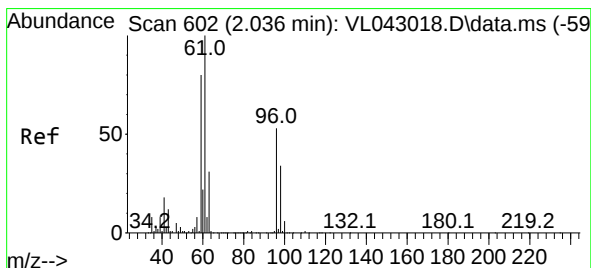
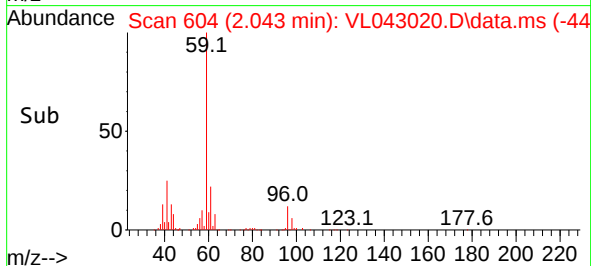
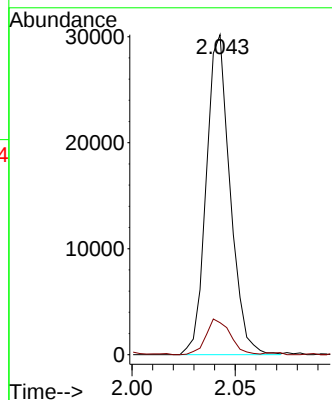
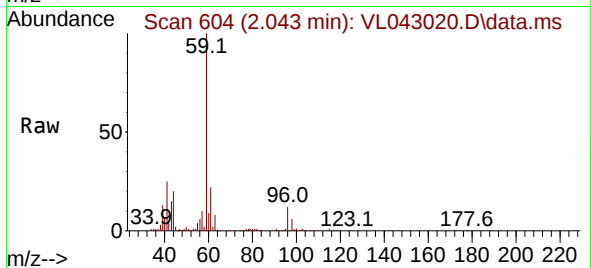
57 12.2 8.4 12.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/01/2025

Supervised By :Mahesh Dadoda 10/03/2025



#18

1,1-Dichloroethene

Concen: 1.071 ppbv

RT: 2.036 min Scan# 602

Delta R.T. 0.000 min

Lab File: VL043020.D

Acq: 30 Sep 2025 10:12

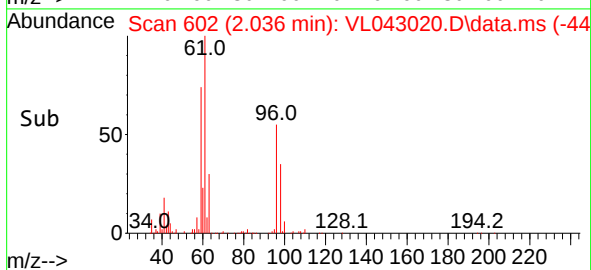
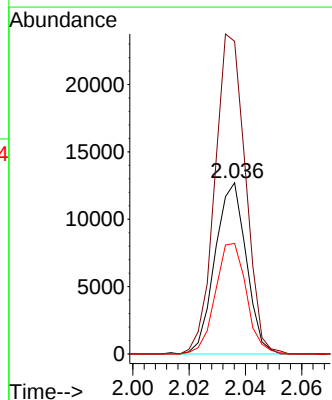
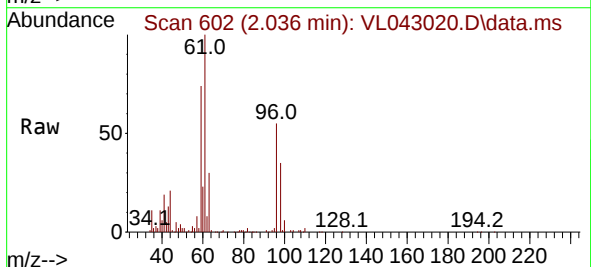
Tgt Ion: 96 Resp: 9772

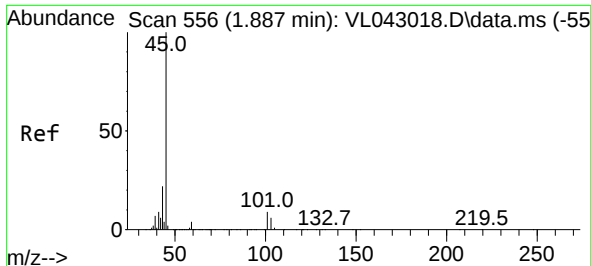
Ion Ratio Lower Upper

96 100

61 182.6 151.4 227.0

98 64.6 51.5 77.3





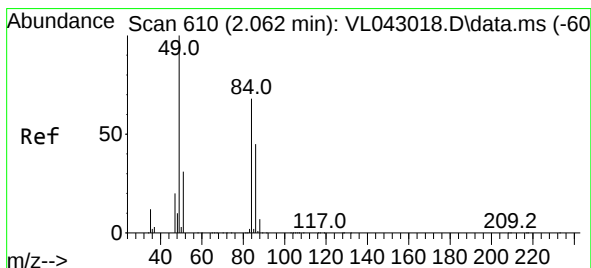
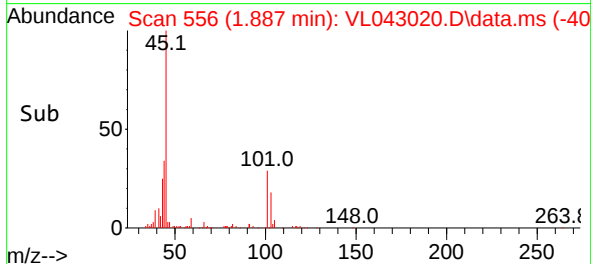
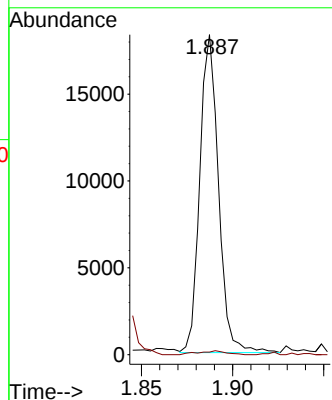
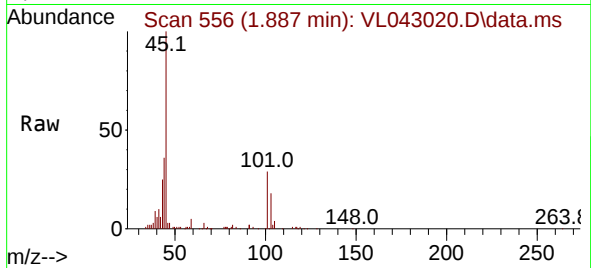
#19
Isopropyl Alcohol
Concen: 1.065 ppbv
RT: 1.887 min Scan# 556
Delta R.T. 0.000 min
Lab File: VL043020.D
Acq: 30 Sep 2025 10:12

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 45 Resp: 1310
Ion Ratio Lower Upper
45 100
58 51.5 33.9 50.9

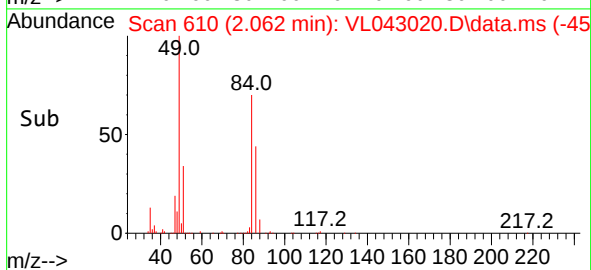
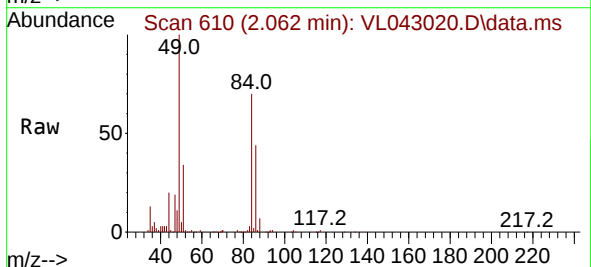
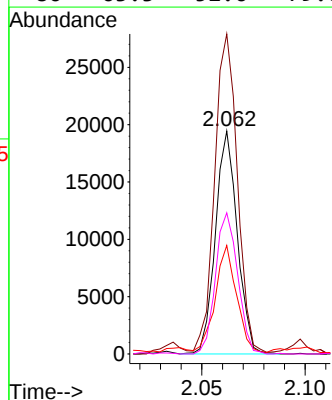
Manual Integrations
APPROVED

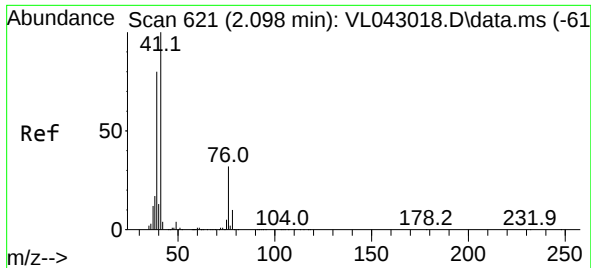
Reviewed By :Semsettin Yesilyurt 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025



#20
Methylene Chloride
Concen: 1.163 ppbv
RT: 2.062 min Scan# 610
Delta R.T. 0.000 min
Lab File: VL043020.D
Acq: 30 Sep 2025 10:12

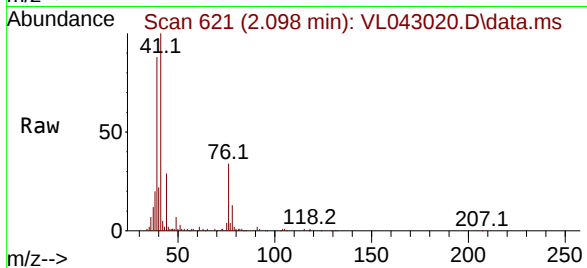
Tgt Ion: 84 Resp: 14328
Ion Ratio Lower Upper
84 100
49 142.2 117.4 176.2
51 46.3 37.4 56.0
86 63.3 52.6 79.0





#21
 Allyl Chloride
 Concen: 1.013 ppbv
 RT: 2.098 min Scan# 61
 Delta R.T. 0.000 min
 Lab File: VL043020.D
 Acq: 30 Sep 2025 10:12

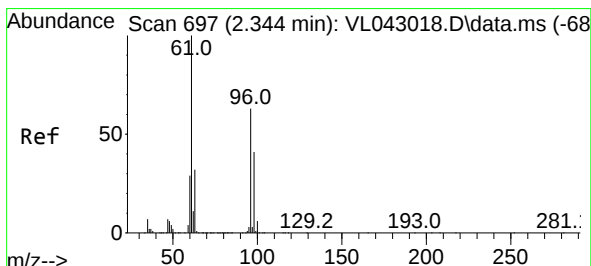
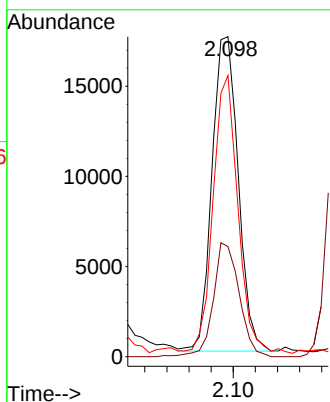
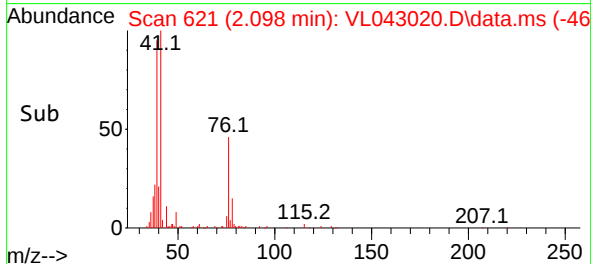
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001



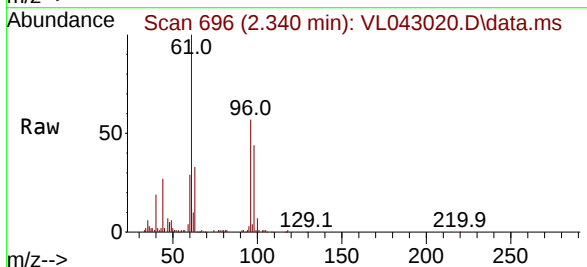
Tgt Ion: 41 Resp: 14338
 Ion Ratio Lower Upper
 41 100
 76 35.8 25.6 38.4
 39 82.7 62.6 94.0

Manual Integrations
 APPROVED

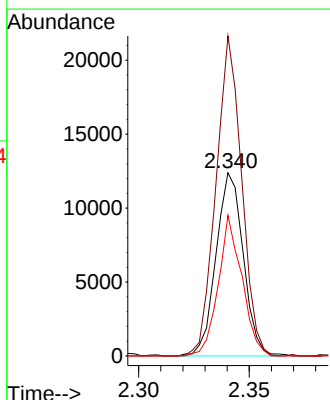
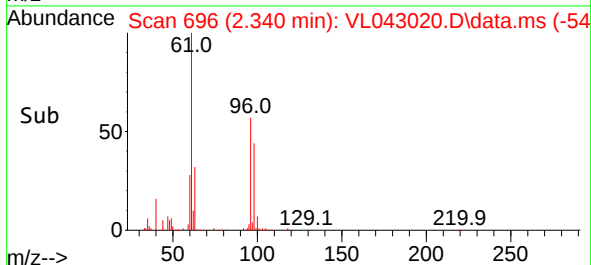
Reviewed By :Semsettin Yesilyurt 10/01/2025
 Supervised By :Mahesh Dadoda 10/03/2025

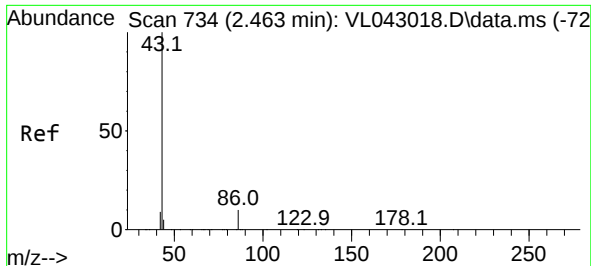


#22
 trans-1,2-Dichloroethene
 Concen: 1.027 ppbv
 RT: 2.340 min Scan# 696
 Delta R.T. -0.003 min
 Lab File: VL043020.D
 Acq: 30 Sep 2025 10:12



Tgt Ion: 96 Resp: 10601
 Ion Ratio Lower Upper
 96 100
 61 174.7 126.1 189.1
 98 76.8 51.3 76.9





#23
 Vinyl Acetate
 Concen: 0.862 ppbv
 RT: 2.463 min Scan# 718
 Delta R.T. 0.000 min
 Lab File: VL043020.D
 Acq: 30 Sep 2025 10:12

Instrument :

MSVOA_L

ClientSampleId :

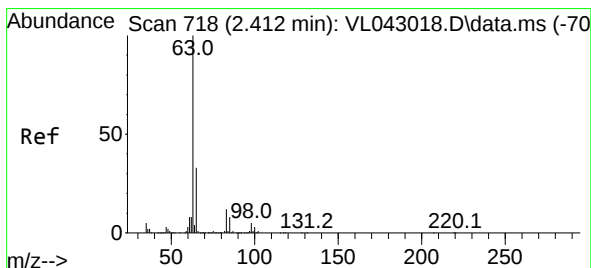
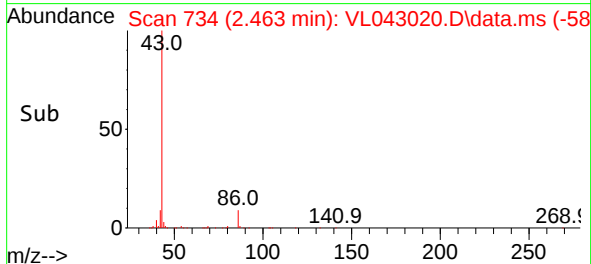
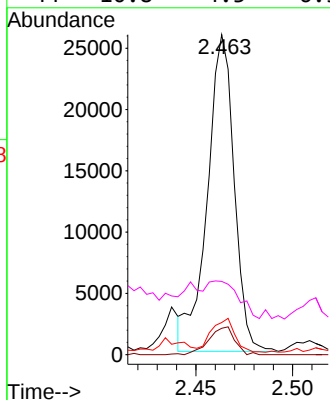
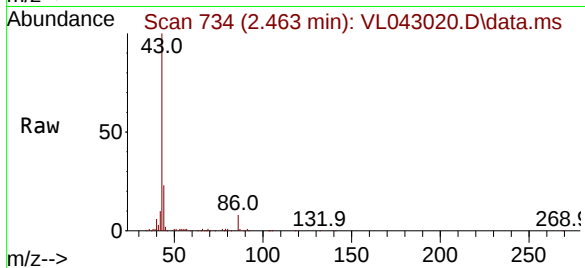
VSTDIC001

Tgt Ion	Ratio	Lower	Upper
43	100		
86	8.4	7.1	10.7
42	9.4	7.9	11.9
44	10.8	4.3	6.5

Manual Integrations

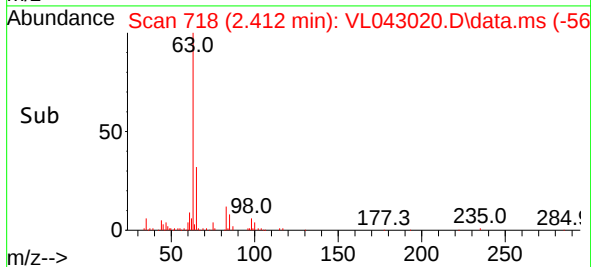
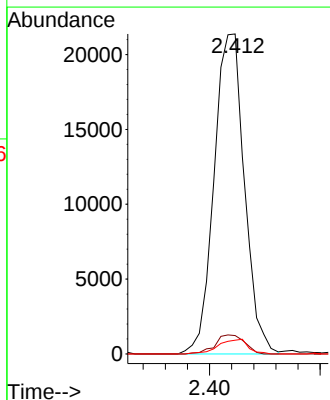
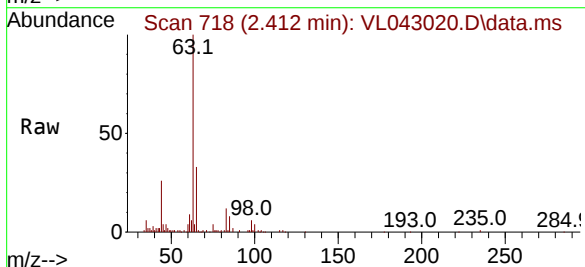
APPROVED

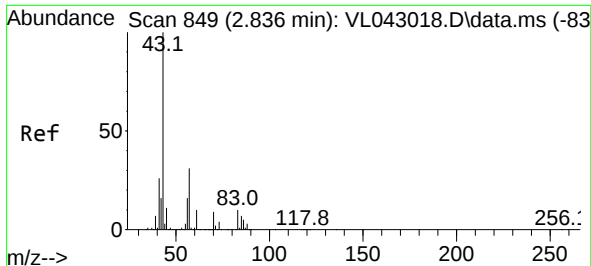
Reviewed By :Semsettin Yesilyurt 10/01/2025
 Supervised By :Mahesh Dadoda 10/03/2025



#24
 1,1-Dichloroethane
 Concen: 1.049 ppbv
 RT: 2.412 min Scan# 718
 Delta R.T. 0.000 min
 Lab File: VL043020.D
 Acq: 30 Sep 2025 10:12

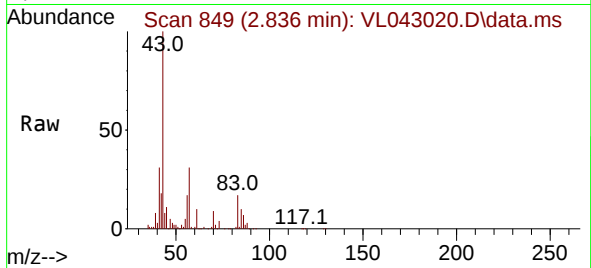
Tgt Ion	Ratio	Lower	Upper
63	100		
98	5.8	2.4	7.2
100	4.3	1.6	4.8





#25
Ethyl Acetate
Concen: 1.082 ppbv
RT: 2.836 min Scan# 849
Delta R.T. 0.000 min
Lab File: VL043020.D
Acq: 30 Sep 2025 10:12

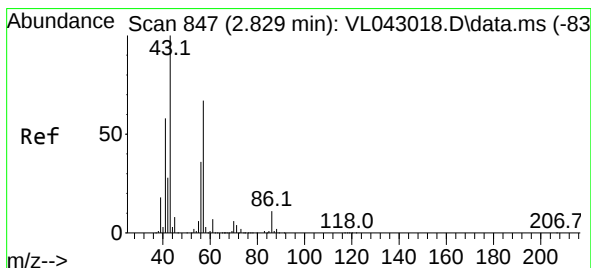
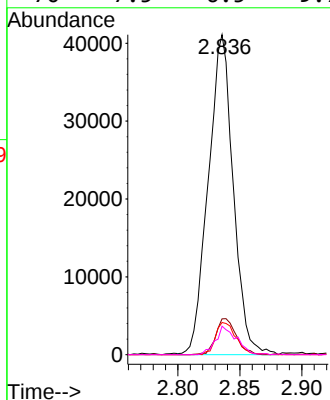
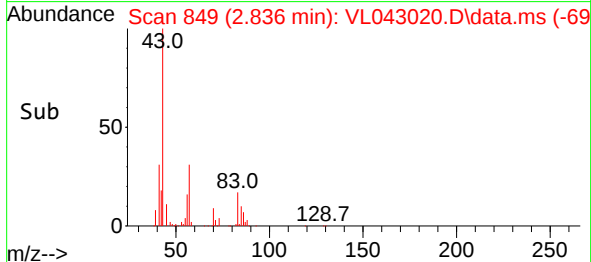
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001



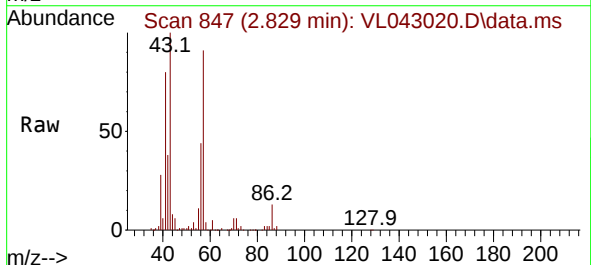
Tgt Ion: 43	Resp: 57730
Ion Ratio	Lower Upper
43 100	
45 9.3	7.8 11.6
61 8.3	7.0 10.4
70 7.5	6.5 9.7

Manual Integrations
APPROVED

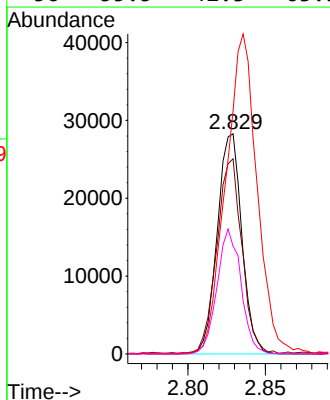
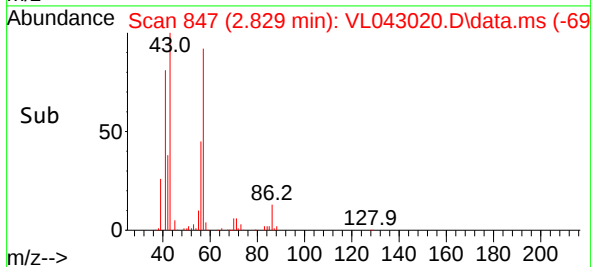
Reviewed By :Semsettin Yesilyurt 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

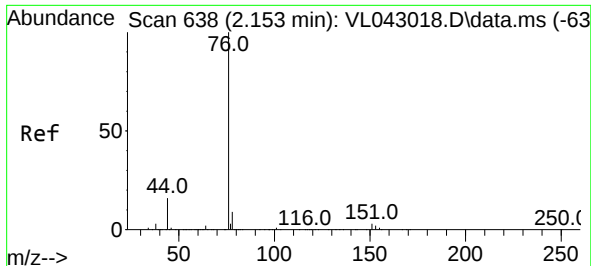


#26
Hexane
Concen: 1.124 ppbv
RT: 2.829 min Scan# 847
Delta R.T. 0.000 min
Lab File: VL043020.D
Acq: 30 Sep 2025 10:12



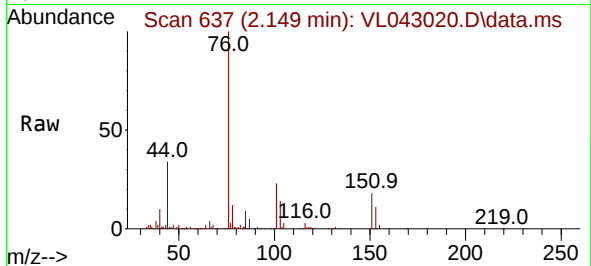
Tgt Ion: 57	Resp: 31198
Ion Ratio	Lower Upper
57 100	
41 93.6	70.3 105.5
43 186.6	172.1 258.1
56 55.5	42.3 63.5





#27
Carbon Disulfide
Concen: 1.023 ppbv
RT: 2.149 min Scan# 61
Delta R.T. -0.003 min
Lab File: VL043020.D
Acq: 30 Sep 2025 10:12

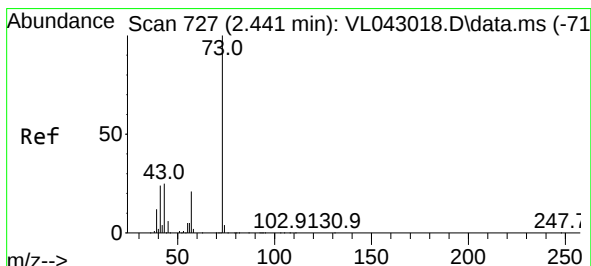
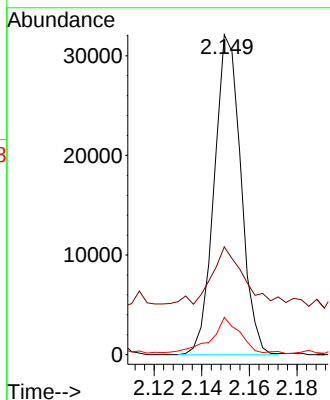
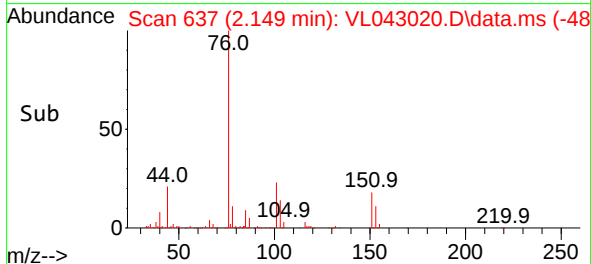
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



Tgt Ion: 76 Resp: 2496
Ion Ratio Lower Upper
76 100
44 59.1 14.6 21.8
78 13.7 9.4 14.2

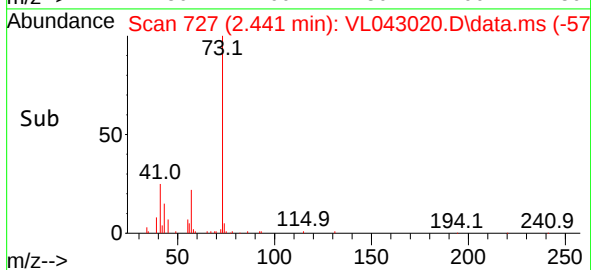
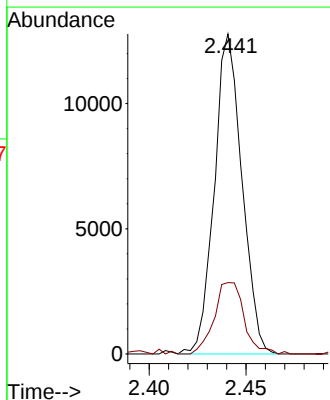
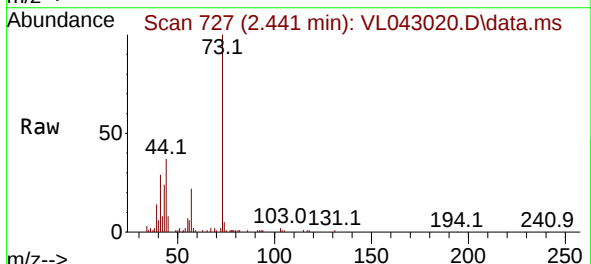
Manual Integrations
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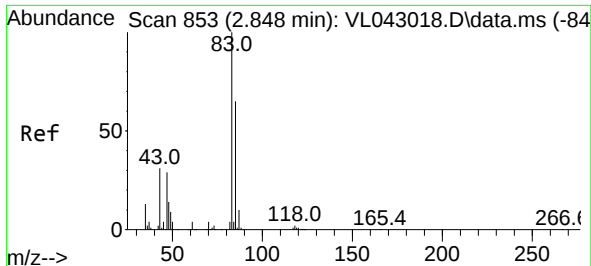
Reviewed By :Semsettin Yesilyurt 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025



#28
Methyl tert-Butyl Ether
Concen: 0.932 ppbv
RT: 2.441 min Scan# 727
Delta R.T. 0.000 min
Lab File: VL043020.D
Acq: 30 Sep 2025 10:12

Tgt Ion: 73 Resp: 12672
Ion Ratio Lower Upper
73 100
57 24.4 17.7 26.5





#29

Chloroform

Concen: 1.037 ppbv

RT: 2.849 min Scan# 853

Delta R.T. 0.000 min

Lab File: VL043020.D

Acq: 30 Sep 2025 10:12

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC001

Tgt Ion: 83 Resp: 35818

Ion Ratio Lower Upper

83 100

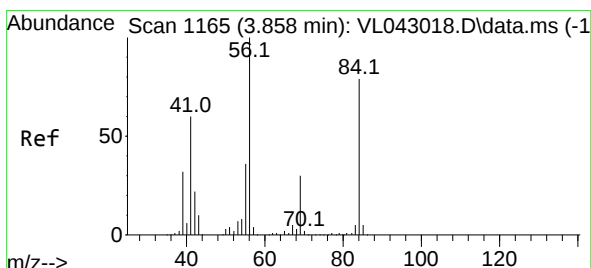
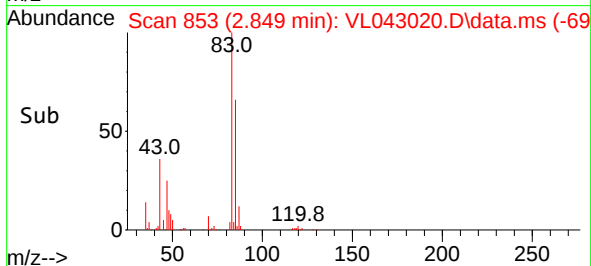
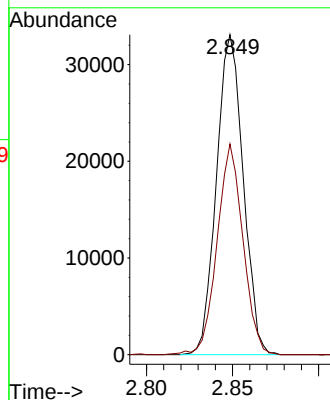
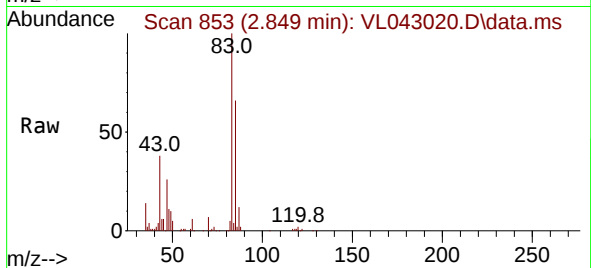
85 65.8 51.7 77.5

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 10/01/2025

Supervised By :Mahesh Dadoda 10/03/2025



#30

Cyclohexane

Concen: 1.020 ppbv

RT: 3.858 min Scan# 1165

Delta R.T. 0.000 min

Lab File: VL043020.D

Acq: 30 Sep 2025 10:12

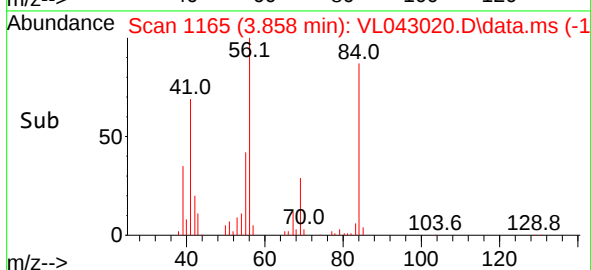
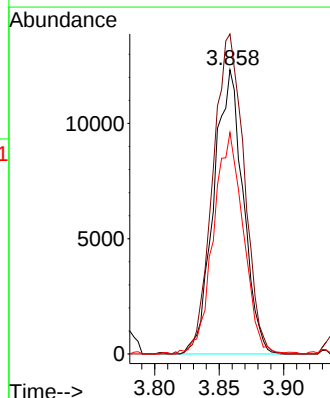
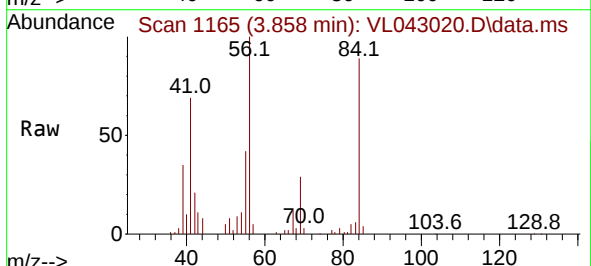
Tgt Ion: 84 Resp: 19501

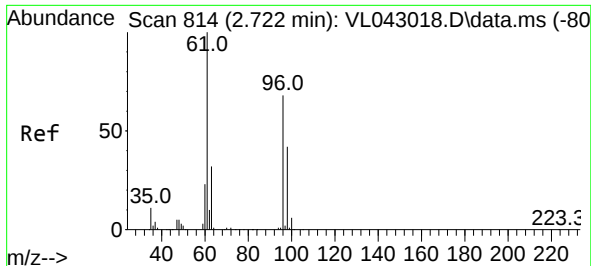
Ion Ratio Lower Upper

84 100

56 119.4 97.3 145.9

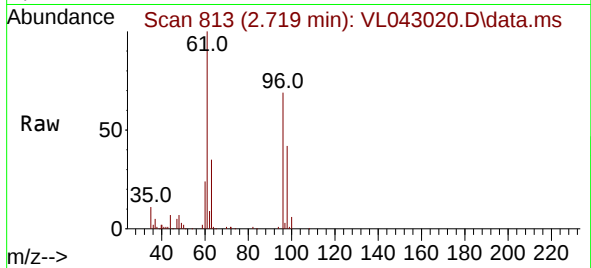
41 79.4 62.6 93.8





#31
 cis-1,2-Dichloroethene
 Concen: 1.015 ppbv
 RT: 2.719 min Scan# 814
 Delta R.T. -0.003 min
 Lab File: VL043020.D
 Acq: 30 Sep 2025 10:12

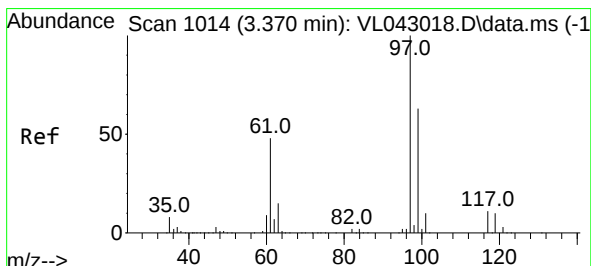
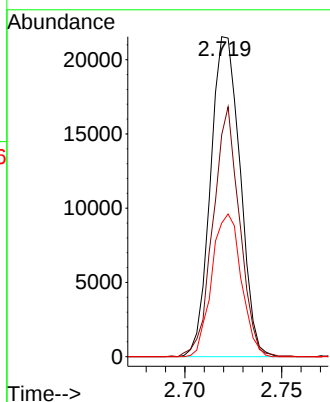
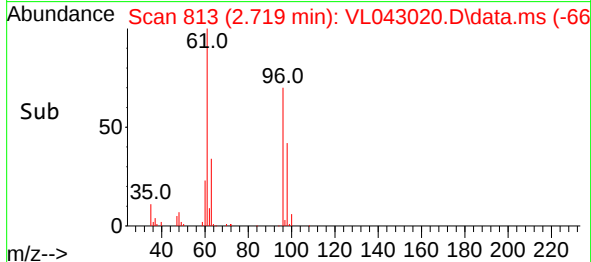
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001



Tgt Ion: 61 Resp: 2288
 Ion Ratio Lower Upper
 61 100
 96 69.3 54.4 81.6
 98 41.8 33.7 50.5

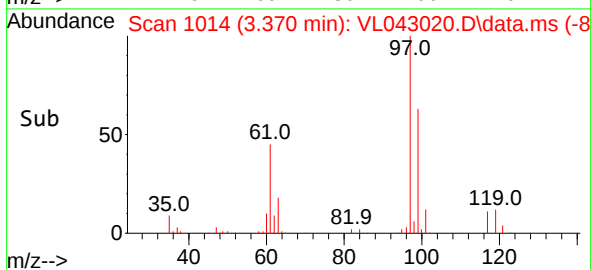
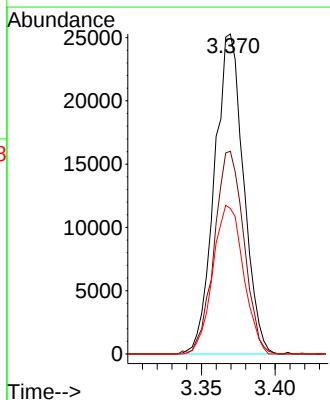
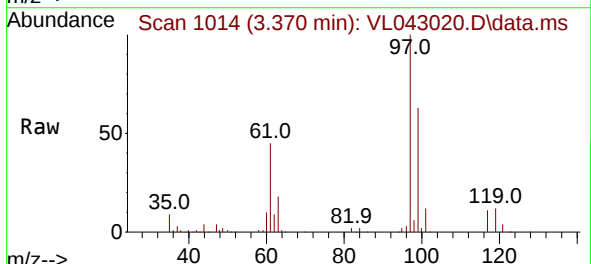
Manual Integrations
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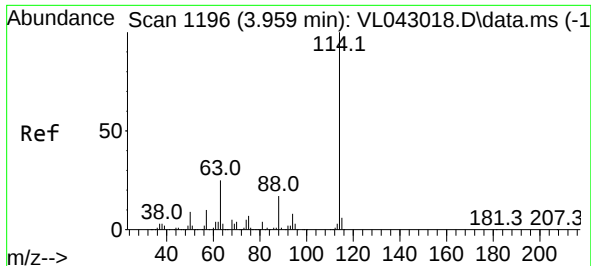
Reviewed By :Semsettin Yesilyurt 10/01/2025
 Supervised By :Mahesh Dadoda 10/03/2025



#32
 1,1,1-Trichloroethane
 Concen: 0.989 ppbv
 RT: 3.370 min Scan# 1014
 Delta R.T. 0.000 min
 Lab File: VL043020.D
 Acq: 30 Sep 2025 10:12

Tgt Ion: 97 Resp: 34623
 Ion Ratio Lower Upper
 97 100
 99 64.5 51.4 77.0
 61 48.9 38.8 58.2





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.959 min Scan# 1196

Delta R.T. 0.000 min

Lab File: VL043020.D

Acq: 30 Sep 2025 10:12

Instrument :

MSVOA_L

ClientSampleId :

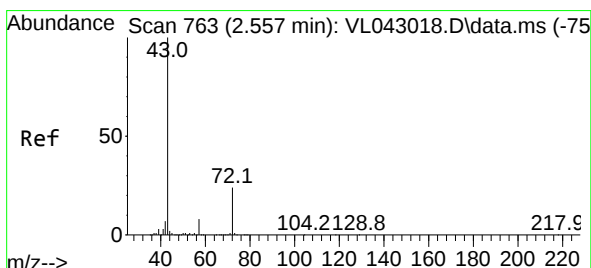
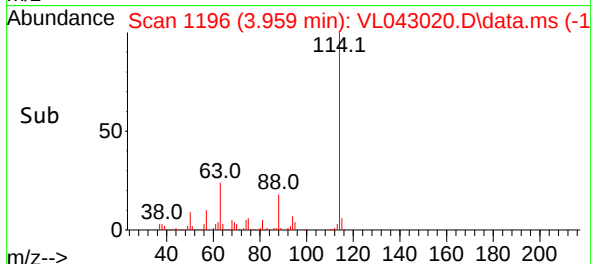
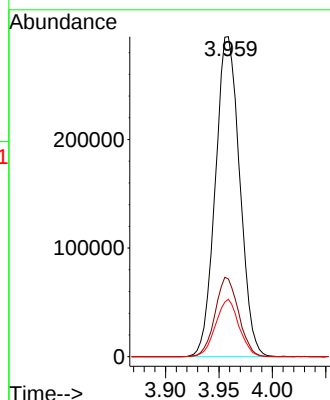
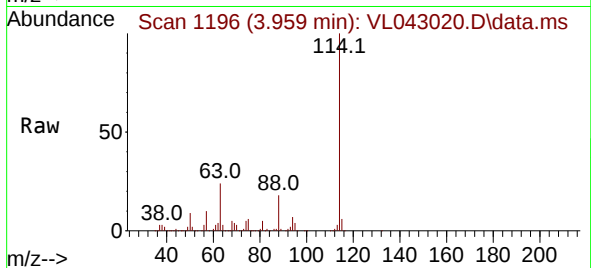
VSTDICC001

Tgt Ion:	114	Resp:	467060
Ion Ratio	Lower	Upper	
114	100		
63	24.0	19.7	29.5
88	17.3	13.8	20.6

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025



#34

2-Butanone

Concen: 1.006 ppbv

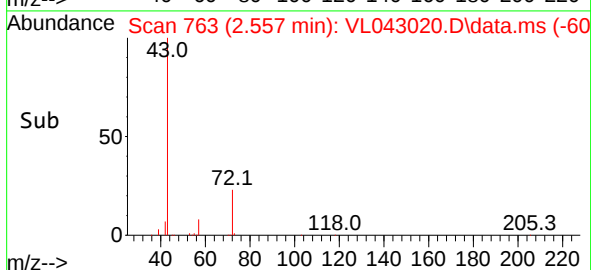
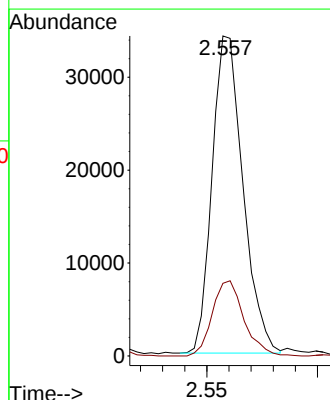
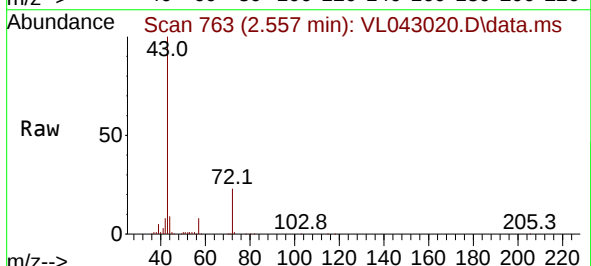
RT: 2.557 min Scan# 763

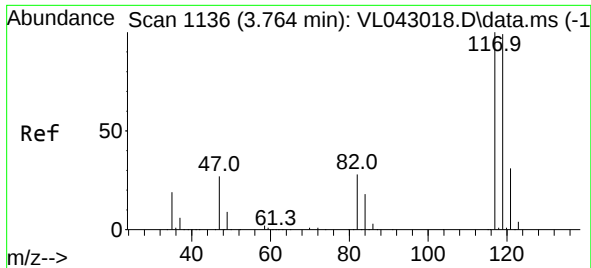
Delta R.T. 0.000 min

Lab File: VL043020.D

Acq: 30 Sep 2025 10:12

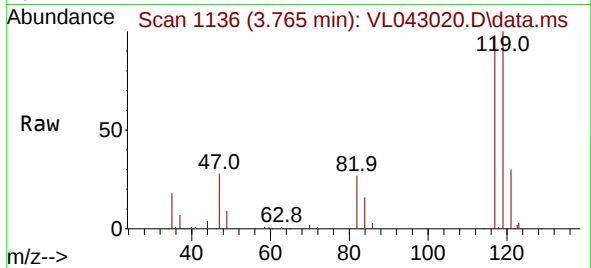
Tgt Ion:	43	Resp:	33074
Ion Ratio	Lower	Upper	
43	100		
72	24.5	18.7	28.1





#35
Carbon Tetrachloride
Concen: 0.936 ppbv
RT: 3.765 min Scan# 1136
Delta R.T. 0.000 min
Lab File: VL043020.D
Acq: 30 Sep 2025 10:12

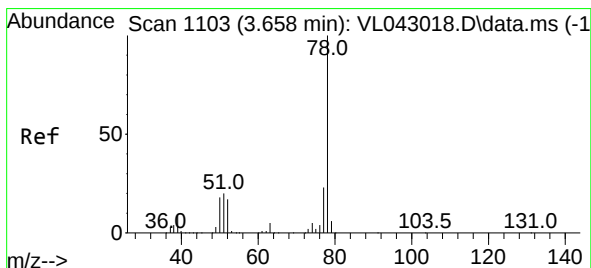
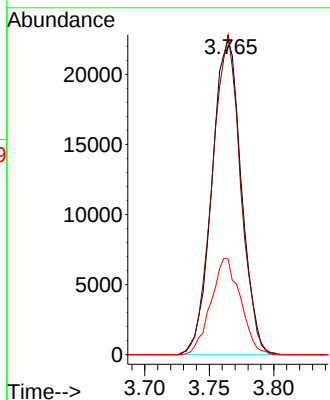
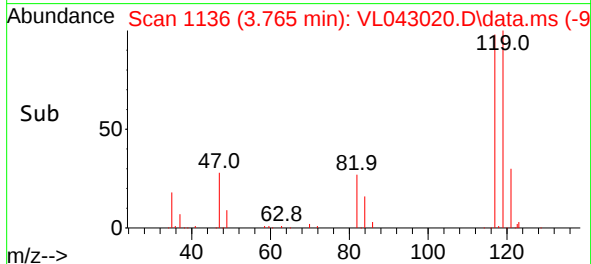
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001



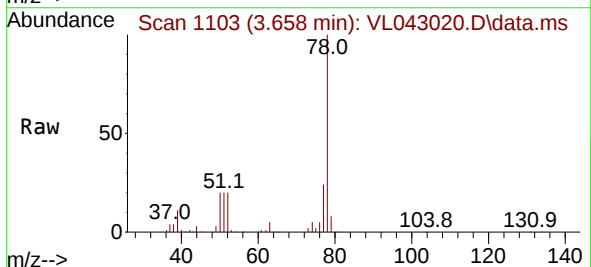
Tgt Ion: 117 Resp: 3548
Ion Ratio Lower Upper
117 100
119 101.6 79.1 118.7
121 30.4 24.5 36.7

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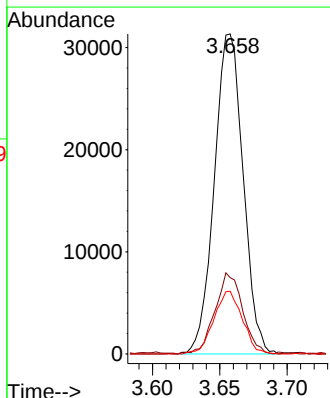
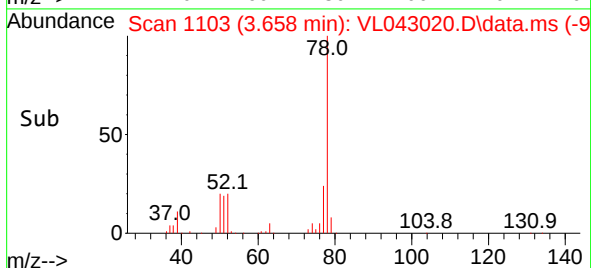
Reviewed By :Semsettin Yesilyurt 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

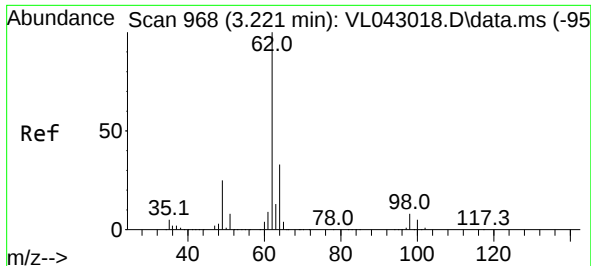


#36
Benzene
Concen: 0.997 ppbv
RT: 3.658 min Scan# 1103
Delta R.T. 0.000 min
Lab File: VL043020.D
Acq: 30 Sep 2025 10:12



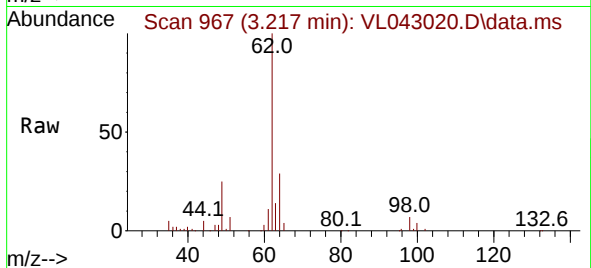
Tgt Ion: 78 Resp: 46683
Ion Ratio Lower Upper
78 100
77 23.8 18.8 28.2
50 19.6 14.5 21.7





#37
1,2-Dichloroethane
Concen: 0.999 ppbv
RT: 3.217 min Scan# 967
Delta R.T. -0.003 min
Lab File: VL043020.D
Acq: 30 Sep 2025 10:12

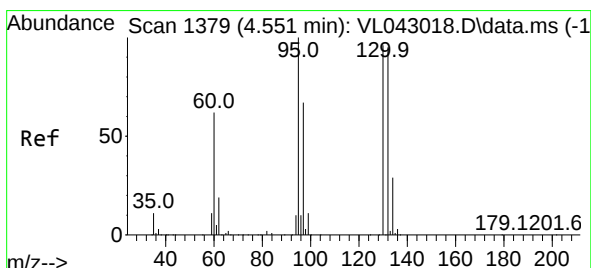
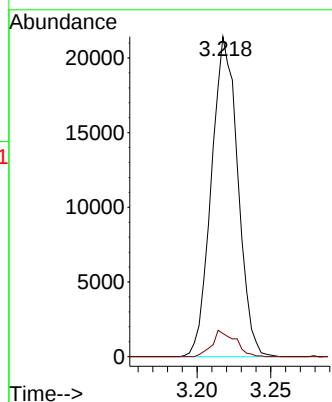
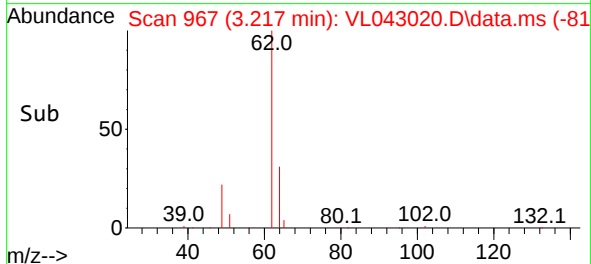
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



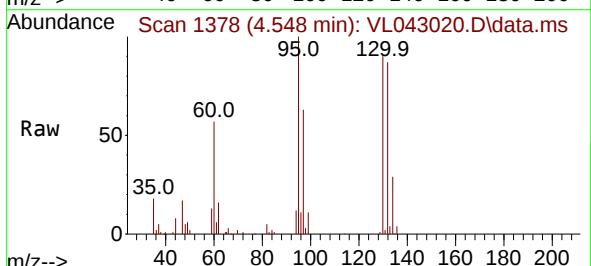
Tgt Ion: 62 Resp: 26709
Ion Ratio Lower Upper
62 100
98 7.2 5.7 8.5

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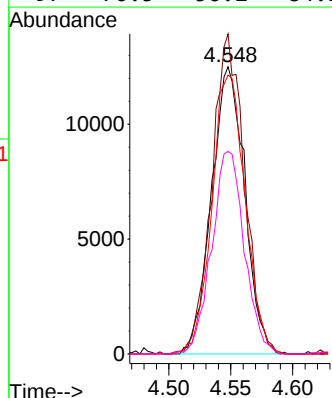
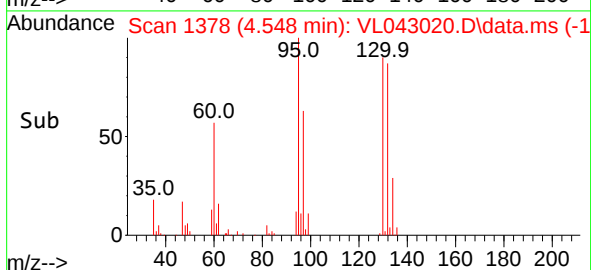
Reviewed By :Semsettin Yesilyurt 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

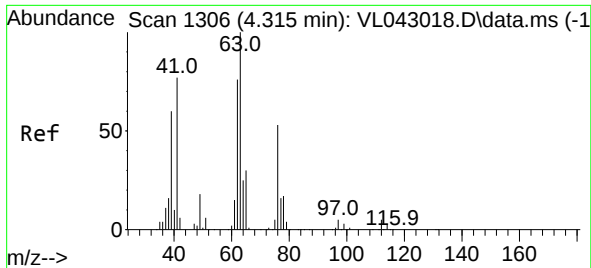


#38
Trichloroethene
Concen: 0.974 ppbv
RT: 4.548 min Scan# 1378
Delta R.T. -0.003 min
Lab File: VL043020.D
Acq: 30 Sep 2025 10:12



Tgt Ion:130 Resp: 23375
Ion Ratio Lower Upper
130 100
95 110.8 83.4 125.0
132 96.5 79.0 118.4
97 70.5 56.2 84.2





#39

1,2-Dichloropropane

Concen: 1.008 ppbv

RT: 4.315 min Scan# 1306

Delta R.T. 0.000 min

Lab File: VL043020.D

Acq: 30 Sep 2025 10:12

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC001

Tgt Ion: 63 Resp: 17320

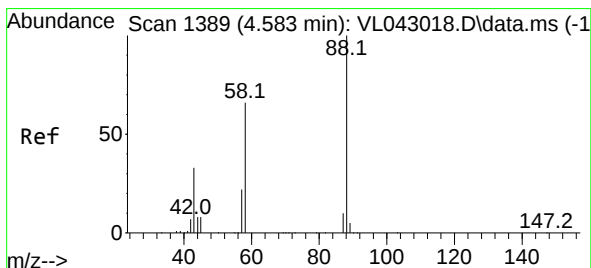
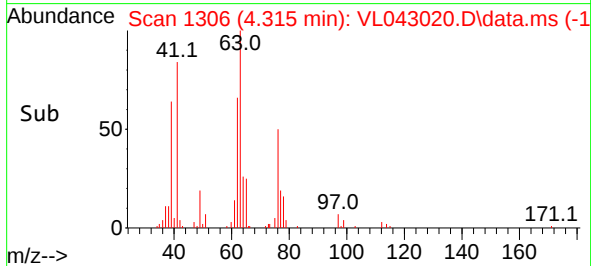
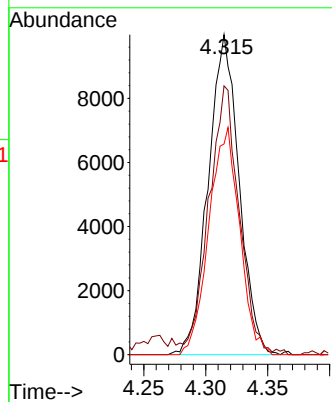
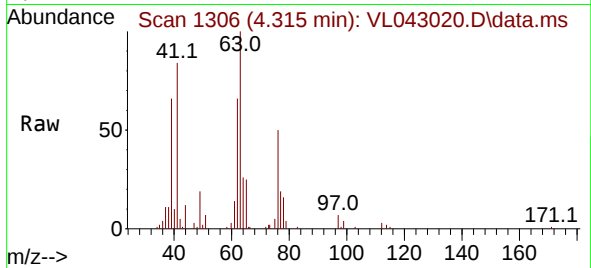
Ion	Ratio	Lower	Upper
63	100		
41	82.9	62.3	93.5
62	65.9	60.5	90.7

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 10/01/2025

Supervised By :Mahesh Dadoda 10/03/2025



#40

1,4-Dioxane

Concen: 0.911 ppbv

RT: 4.593 min Scan# 1392

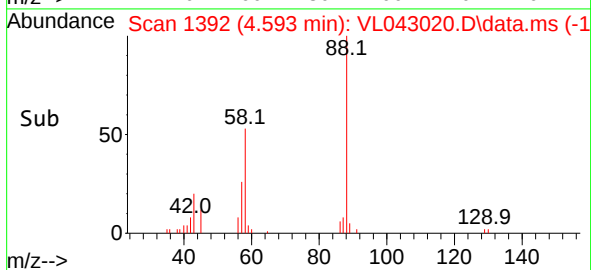
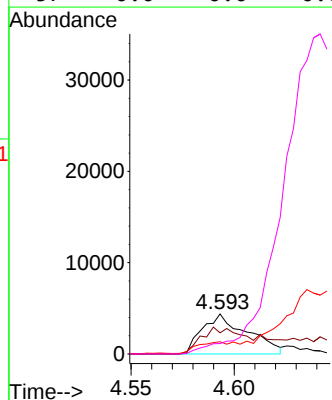
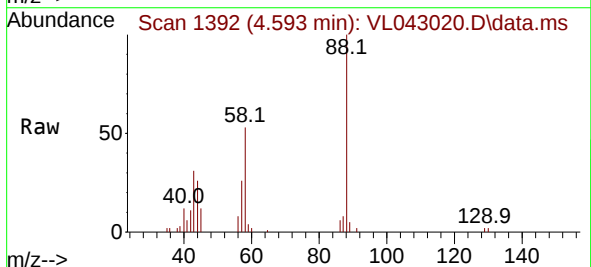
Delta R.T. 0.010 min

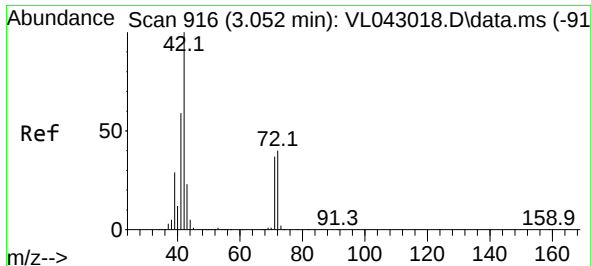
Lab File: VL043020.D

Acq: 30 Sep 2025 10:12

Tgt Ion: 88 Resp: 6639

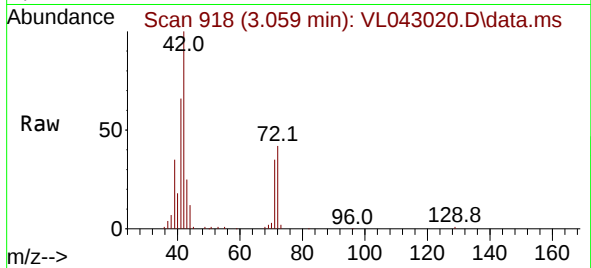
Ion	Ratio	Lower	Upper
88	100		
58	77.0	59.3	88.9
43	0.0	24.3	36.5
57	0.0	0.0	0.0





#41
Tetrahydrofuran
Concen: 0.953 ppbv
RT: 3.059 min Scan# 916
Delta R.T. 0.007 min
Lab File: VL043020.D
Acq: 30 Sep 2025 10:12

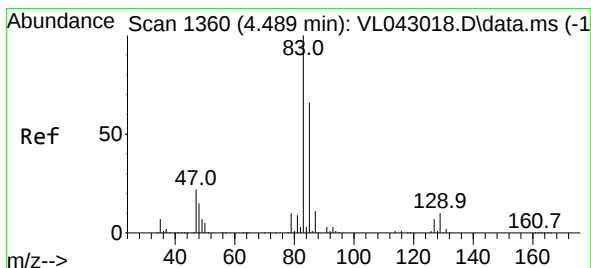
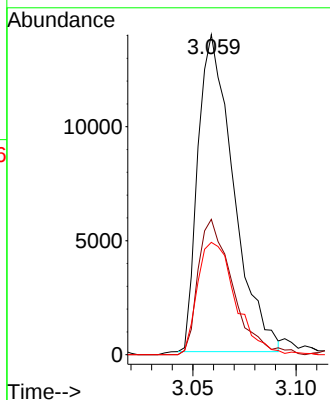
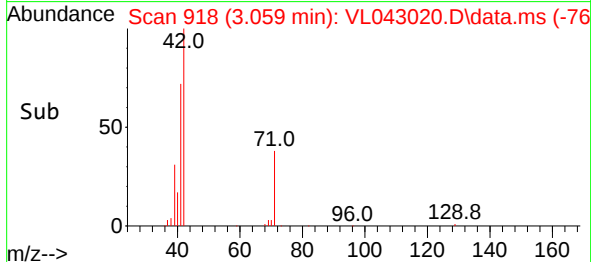
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001



Tgt Ion: 42 Resp: 1668
Ion Ratio Lower Upper
42 100
72 42.2 31.6 47.4
71 38.0 30.4 45.6

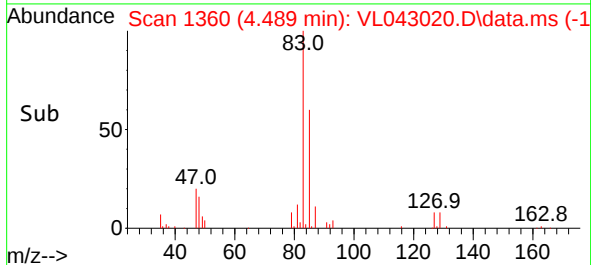
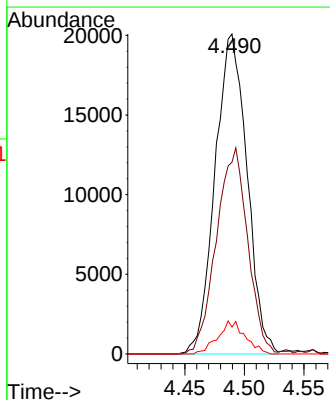
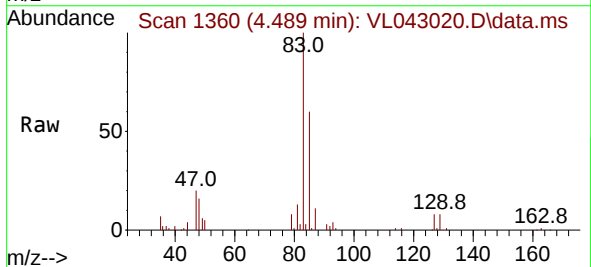
Manual Integrations
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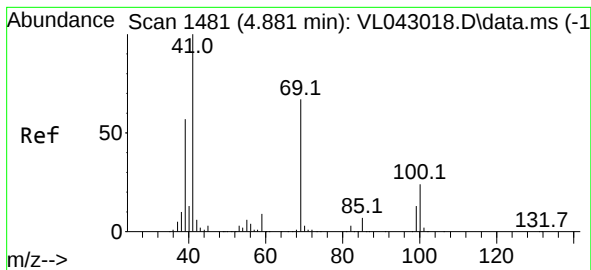
Reviewed By :Semsettin Yesilyurt 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025



#42
Bromodichloromethane
Concen: 1.007 ppbv
RT: 4.489 min Scan# 1360
Delta R.T. 0.000 min
Lab File: VL043020.D
Acq: 30 Sep 2025 10:12

Tgt Ion: 83 Resp: 37418
Ion Ratio Lower Upper
83 100
85 59.9 52.6 78.8
127 8.4 5.7 8.5





#43

Methyl Methacrylate

Concen: 0.952 ppbv

RT: 4.881 min Scan# 1481

Delta R.T. 0.000 min

Lab File: VL043020.D

Acq: 30 Sep 2025 10:12

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC001

Tgt Ion: 69 Resp: 1566

Ion Ratio Lower Upper

69 100

41 145.4 117.6 176.4

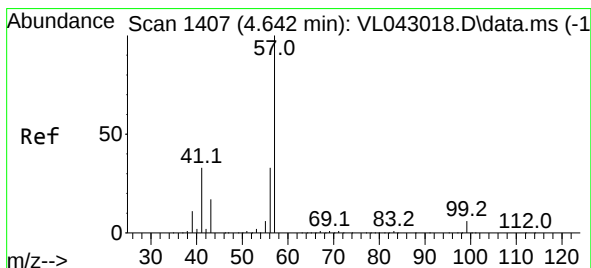
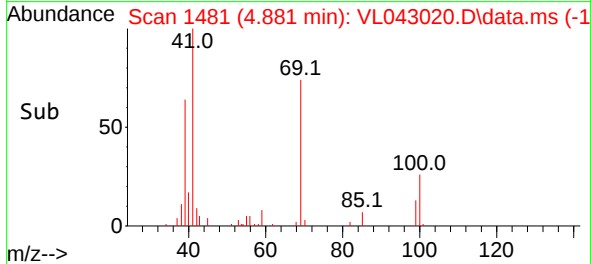
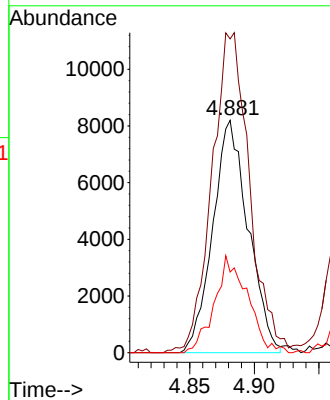
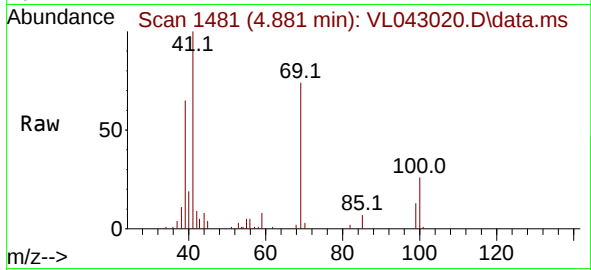
100 38.8 29.0 43.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/01/2025

Supervised By :Mahesh Dadoda 10/03/2025



#44

2,2,4-Trimethylpentane

Concen: 1.009 ppbv

RT: 4.642 min Scan# 1407

Delta R.T. 0.000 min

Lab File: VL043020.D

Acq: 30 Sep 2025 10:12

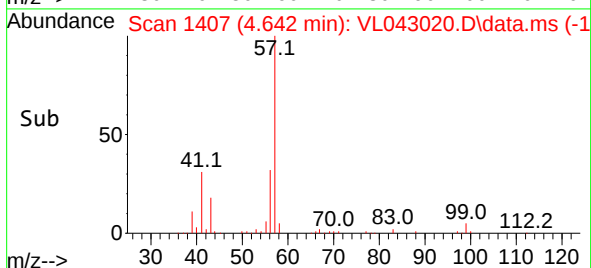
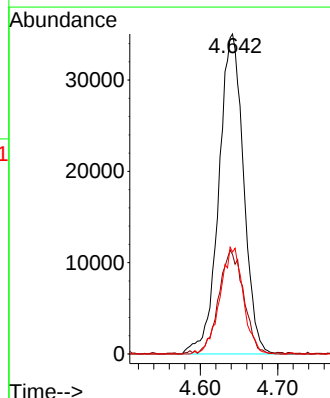
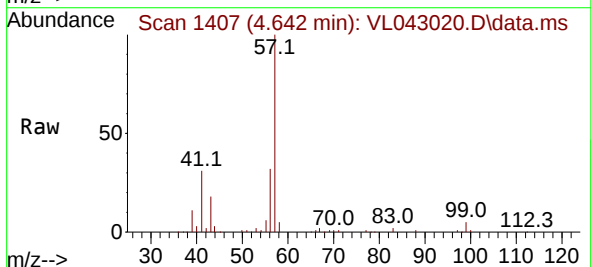
Tgt Ion: 57 Resp: 77716

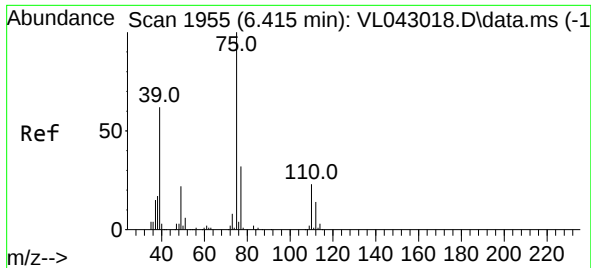
Ion Ratio Lower Upper

57 100

41 33.0 26.2 39.2

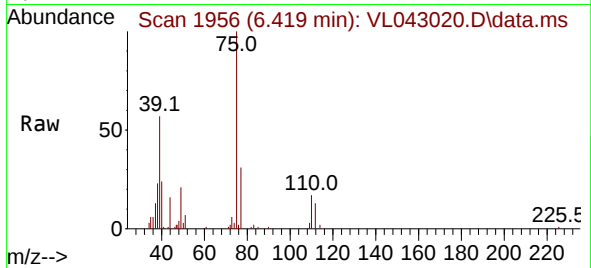
56 31.6 25.9 38.9





#45
 t-1,3-Dichloropropene
 Concen: 0.913 ppbv
 RT: 6.419 min Scan# 1955
 Delta R.T. 0.003 min
 Lab File: VL043020.D
 Acq: 30 Sep 2025 10:12

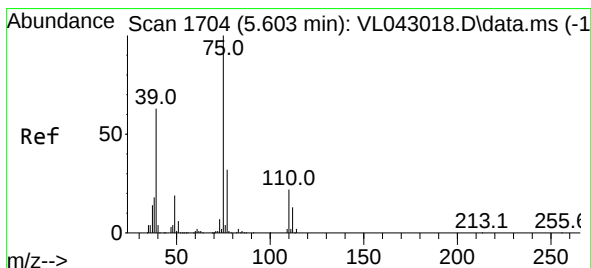
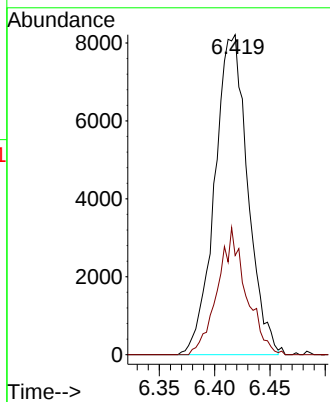
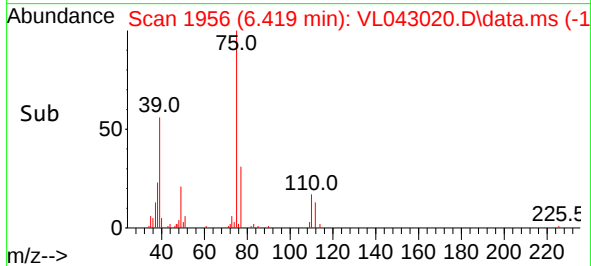
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001



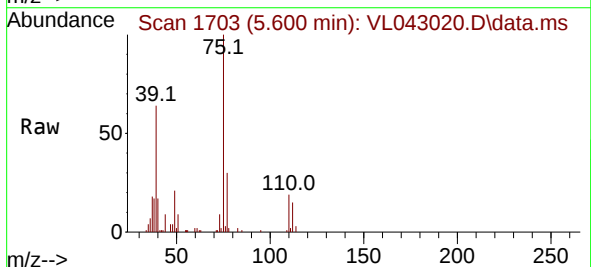
Tgt Ion: 75 Resp: 17070
 Ion Ratio Lower Upper
 75 100
 77 31.0 25.8 38.6

Manual Integrations
 APPROVED

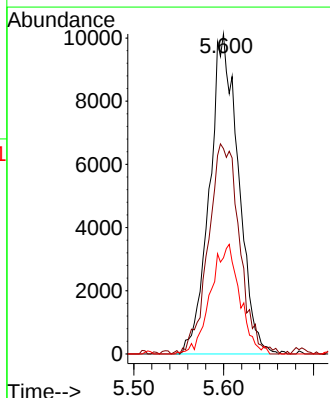
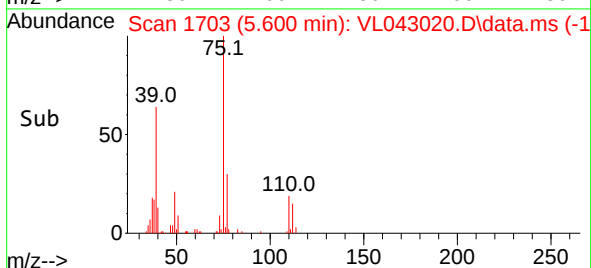
Reviewed By :Semsettin Yesilyurt 10/01/2025
 Supervised By :Mahesh Dadoda 10/03/2025

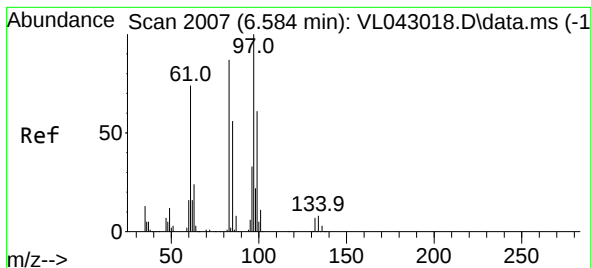


#46
 cis-1,3-Dichloropropene
 Concen: 0.928 ppbv m
 RT: 5.600 min Scan# 1703
 Delta R.T. -0.003 min
 Lab File: VL043020.D
 Acq: 30 Sep 2025 10:12



Tgt Ion: 75 Resp: 22650
 Ion Ratio Lower Upper
 75 100
 39 64.1 50.2 75.2
 77 30.1 25.4 38.0





#47

1,1,2-Trichloroethane

Concen: 1.013 ppbv m

RT: 6.580 min Scan# 2007

Delta R.T. -0.003 min

Lab File: VL043020.D

Acq: 30 Sep 2025 10:12

Instrument :

MSVOA_L

ClientSampleId :

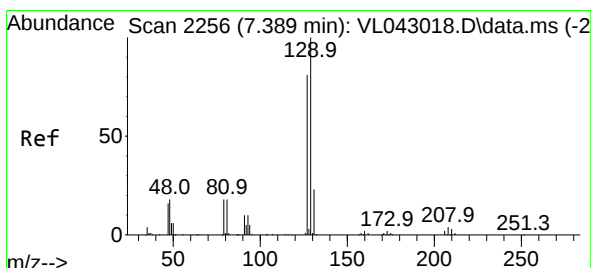
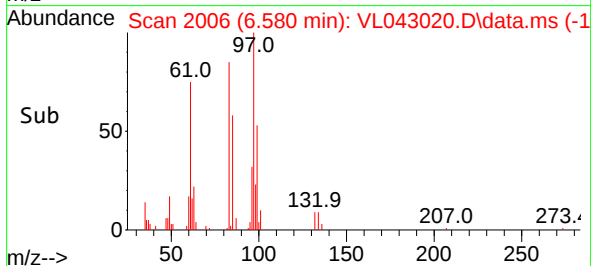
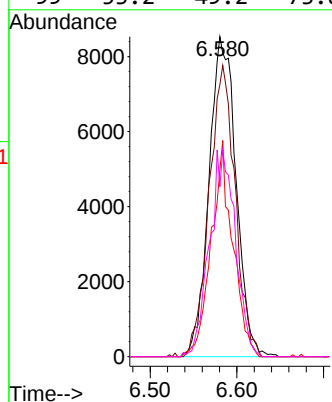
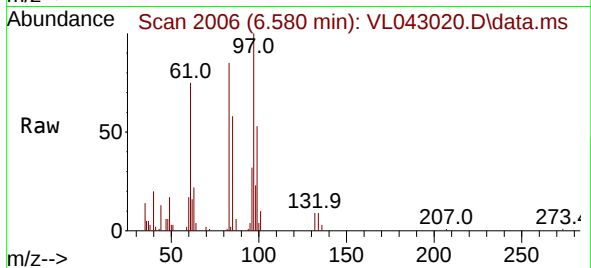
VSTDIC001

Tgt Ion:	97	Resp:	1847
Ion	Ratio	Lower	Upper
97	100		
83	85.1	69.6	104.4
85	58.4	44.6	66.8
99	53.2	49.2	73.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025



#48

Dibromochloromethane

Concen: 0.977 ppbv m

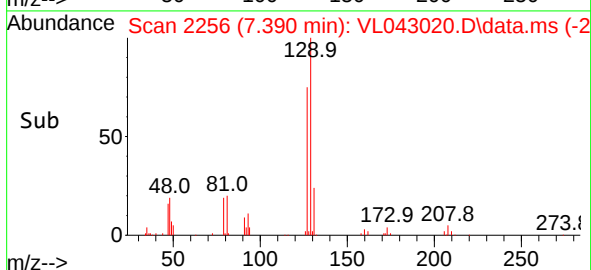
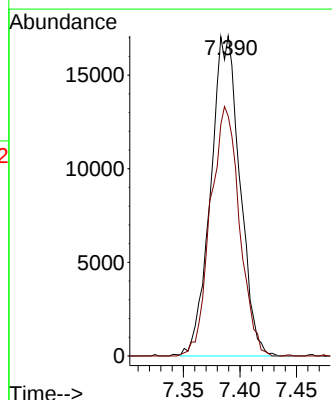
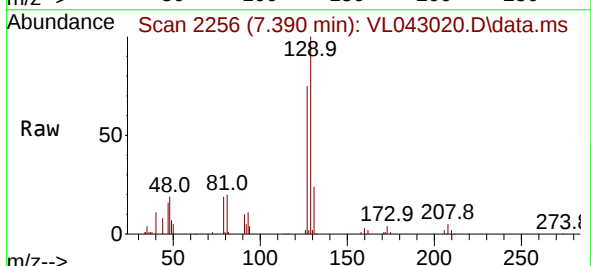
RT: 7.390 min Scan# 2256

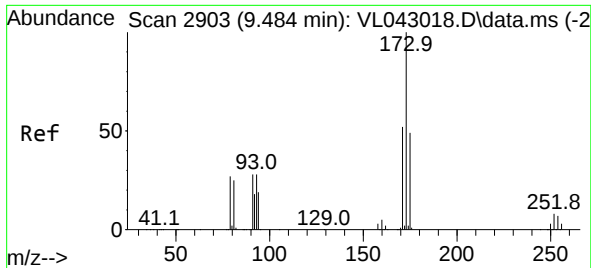
Delta R.T. 0.000 min

Lab File: VL043020.D

Acq: 30 Sep 2025 10:12

Tgt Ion:	129	Resp:	30692
Ion	Ratio	Lower	Upper
129	100		
127	0.0	38.6	116.0#





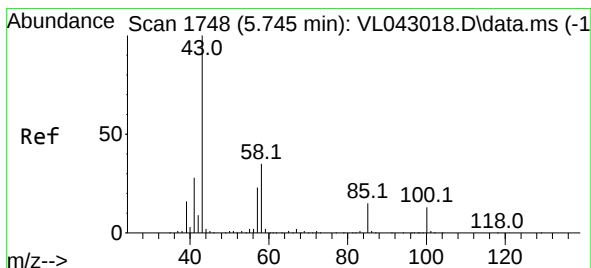
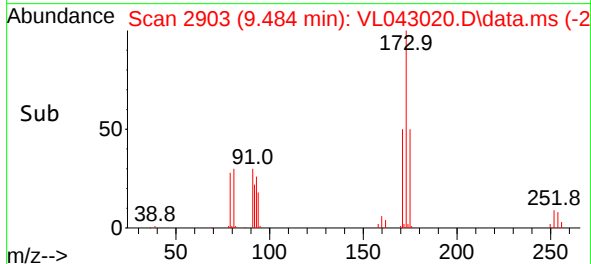
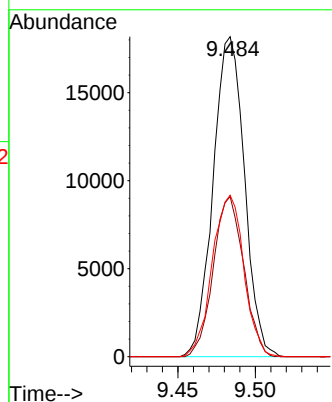
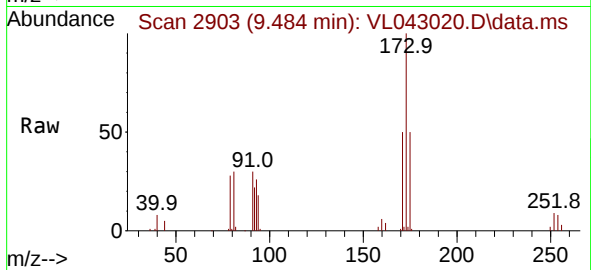
#49
Bromoform
Concen: 0.958 ppbv
RT: 9.484 min Scan# 2903
Delta R.T. 0.000 min
Lab File: VL043020.D
Acq: 30 Sep 2025 10:12

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 173 Resp: 2556
Ion Ratio Lower Upper
173 100
175 48.6 39.1 58.7
171 50.9 41.4 62.0

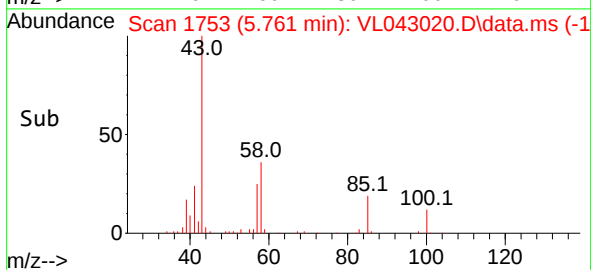
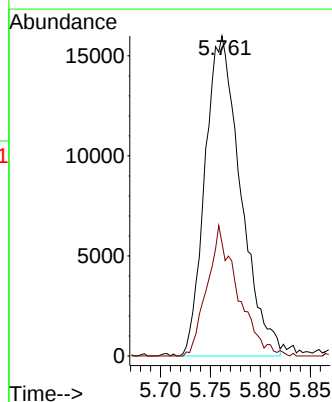
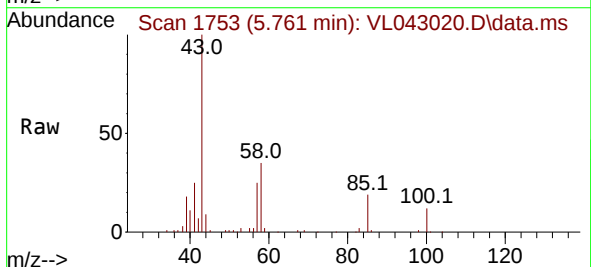
Manual Integrations
APPROVED

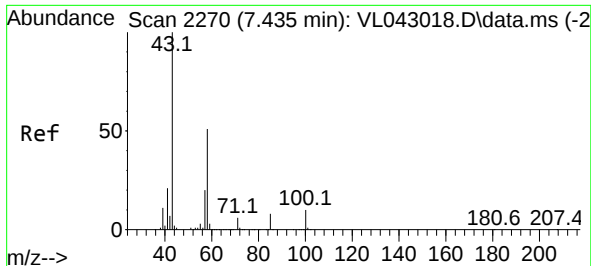
Reviewed By :Semsettin Yesilyurt 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025



#50
4-Methyl-2-Pentanone
Concen: 0.947 ppbv
RT: 5.761 min Scan# 1753
Delta R.T. 0.016 min
Lab File: VL043020.D
Acq: 30 Sep 2025 10:12

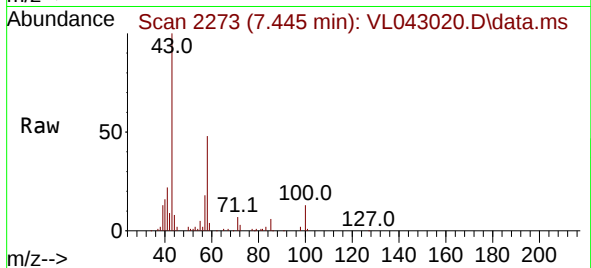
Tgt Ion: 43 Resp: 39729
Ion Ratio Lower Upper
43 100
58 35.0 29.4 44.2





#51
2-Hexanone
Concen: 0.846 ppbv
RT: 7.445 min Scan# 2114
Delta R.T. 0.010 min
Lab File: VL043020.D
Acq: 30 Sep 2025 10:12

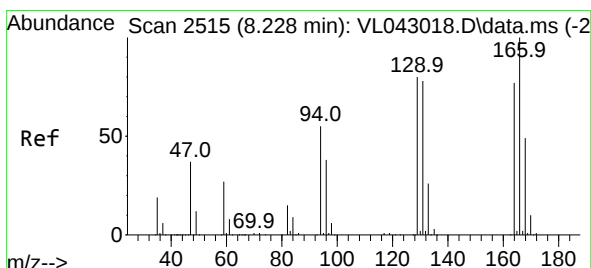
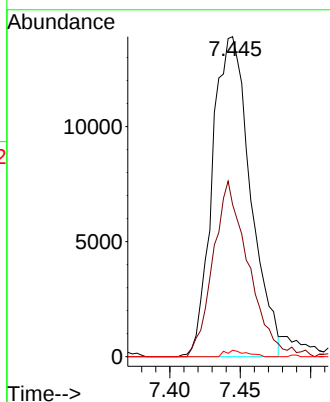
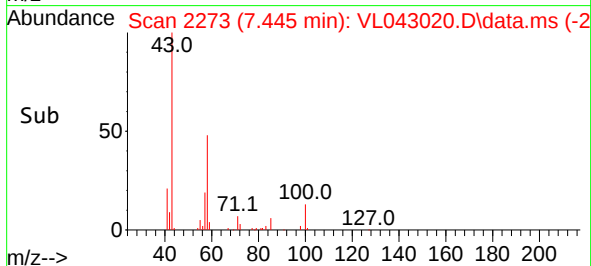
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



Tgt Ion: 43 Resp: 26169
Ion Ratio Lower Upper
43 100
58 51.6 39.7 59.5
98 1.1 0.2 0.4

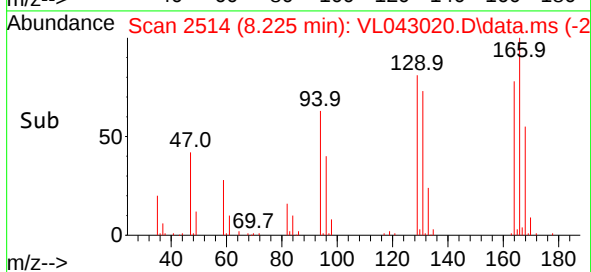
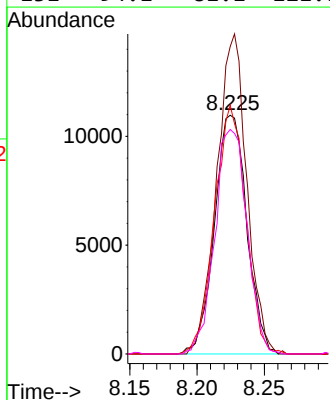
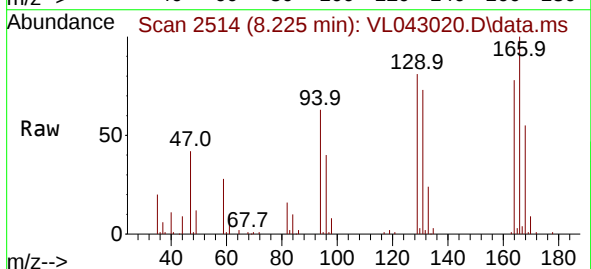
Manual Integrations
APPROVED

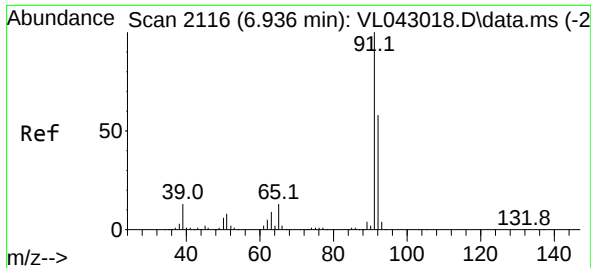
Reviewed By :Semsettin Yesilyurt 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025



#52
Tetrachloroethene
Concen: 0.981 ppbv
RT: 8.225 min Scan# 2514
Delta R.T. -0.003 min
Lab File: VL043020.D
Acq: 30 Sep 2025 10:12

Tgt Ion:164 Resp: 18311
Ion Ratio Lower Upper
164 100
166 128.7 103.5 155.3
129 104.1 82.6 124.0
131 94.1 81.1 121.7





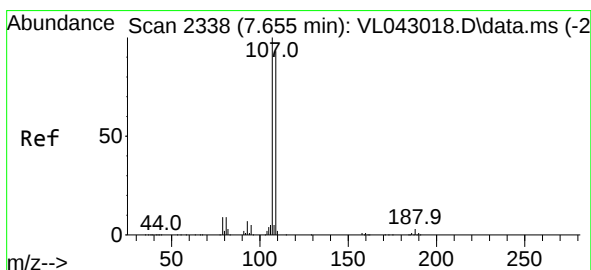
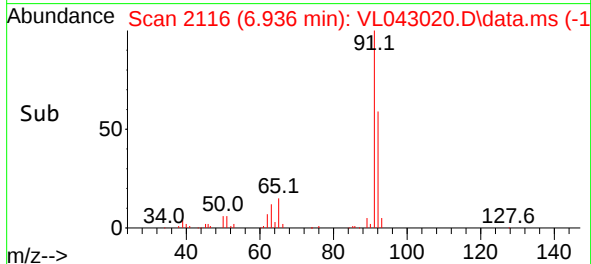
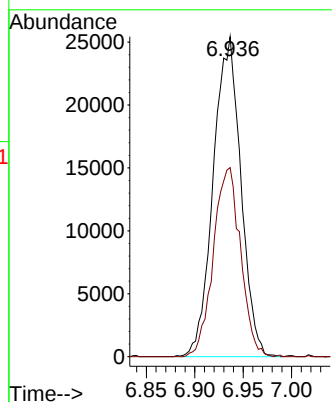
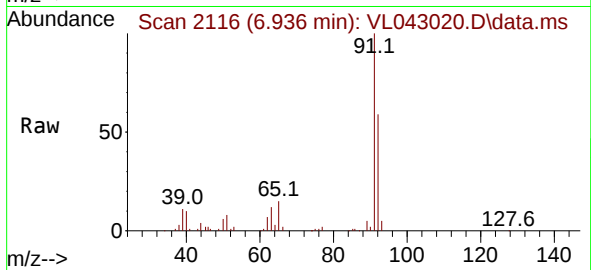
#53
Toluene
Concen: 0.965 ppbv
RT: 6.936 min Scan# 2116
Delta R.T. 0.000 min
Lab File: VL043020.D
Acq: 30 Sep 2025 10:12

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion: 91 Resp: 5038
Ion Ratio Lower Upper
91 100
92 58.2 47.7 71.5

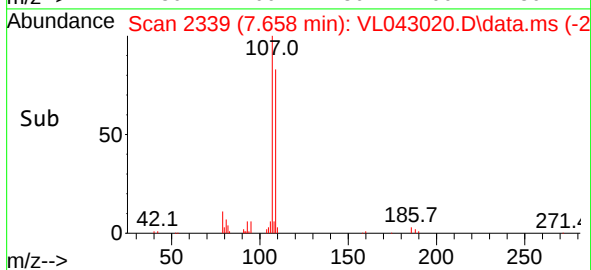
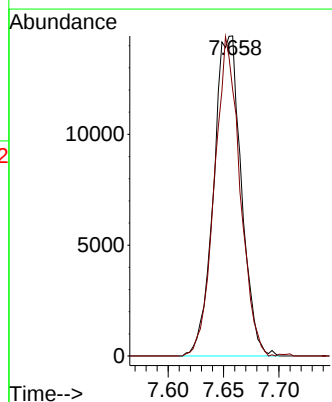
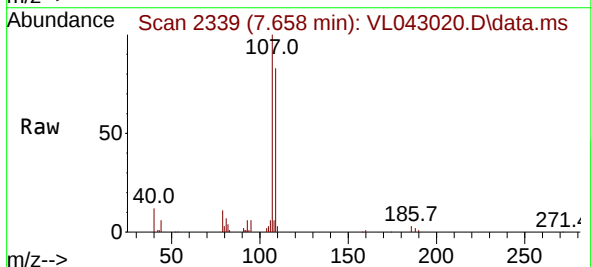
Manual Integrations
APPROVED

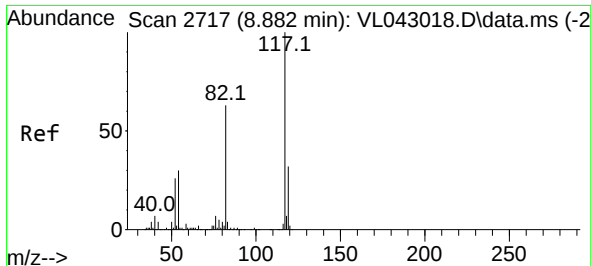
Reviewed By :Semsettin Yesilyurt 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025



#54
1,2-Dibromoethane
Concen: 0.986 ppbv m
RT: 7.658 min Scan# 2339
Delta R.T. 0.003 min
Lab File: VL043020.D
Acq: 30 Sep 2025 10:12

Tgt Ion:107 Resp: 25098
Ion Ratio Lower Upper
107 100
109 83.1 74.6 111.8





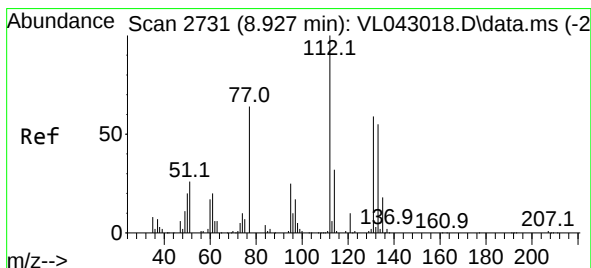
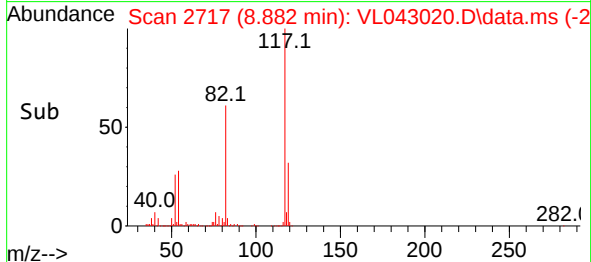
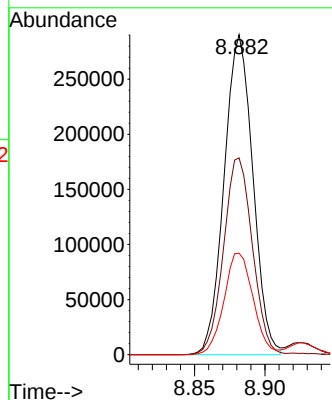
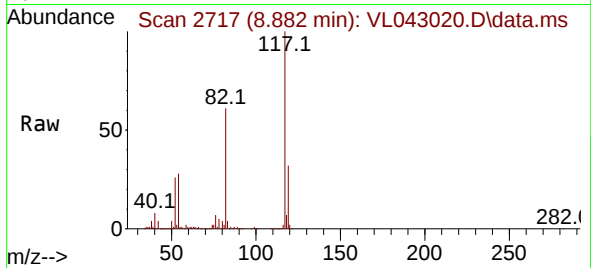
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.882 min Scan# 2717
Delta R.T. 0.000 min
Lab File: VL043020.D
Acq: 30 Sep 2025 10:12

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:117 Resp: 412312
Ion Ratio Lower Upper
117 100
82 62.2 52.6 78.8
119 32.9 26.4 39.6

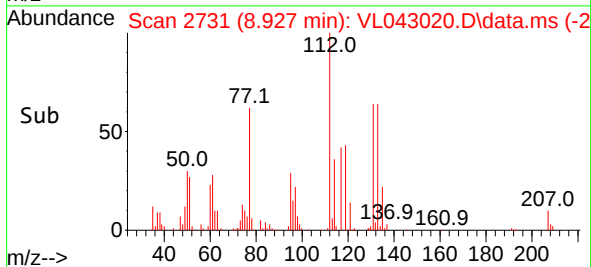
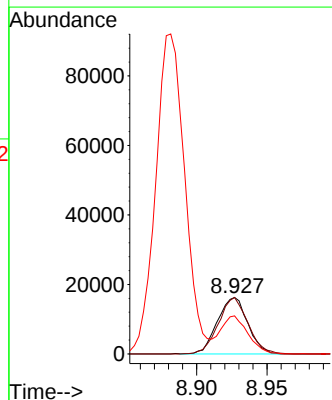
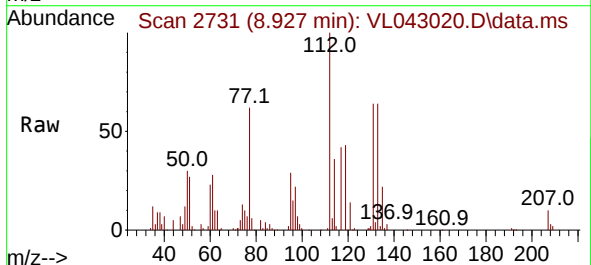
Manual Integrations
APPROVED

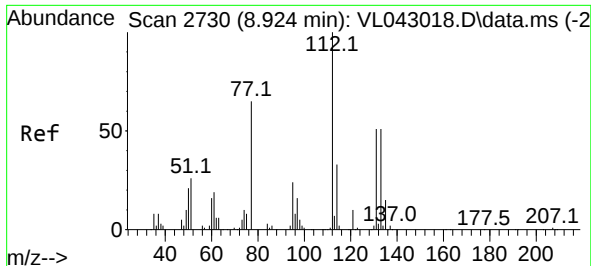
Reviewed By :Semsettin Yesilyurt 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025



#56
1,1,1,2-Tetrachloroethane
Concen: 1.042 ppbv
RT: 8.927 min Scan# 2731
Delta R.T. 0.000 min
Lab File: VL043020.D
Acq: 30 Sep 2025 10:12

Tgt Ion:131 Resp: 24344
Ion Ratio Lower Upper
131 100
133 97.3 76.6 114.8
119 56.1 48.8 73.2





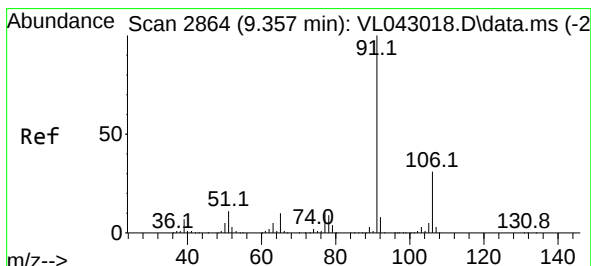
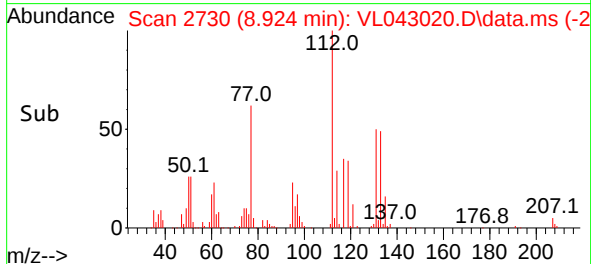
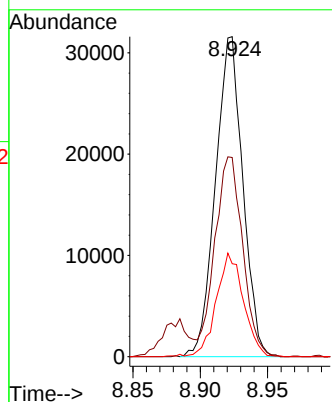
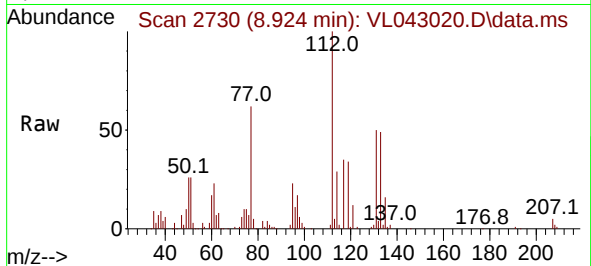
#57
Chlorobenzene
Concen: 1.049 ppbv
RT: 8.924 min Scan# 2730
Delta R.T. 0.000 min
Lab File: VL043020.D
Acq: 30 Sep 2025 10:12

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:112 Resp: 4460
Ion Ratio Lower Upper
112 100
77 62.3 52.7 79.1
114 28.8 29.5 36.1

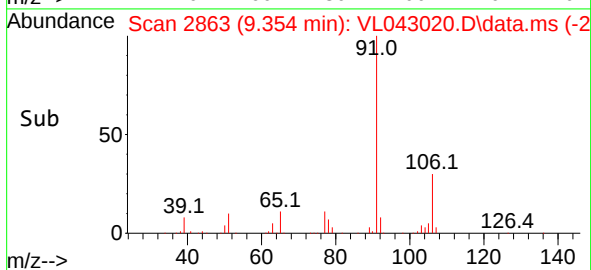
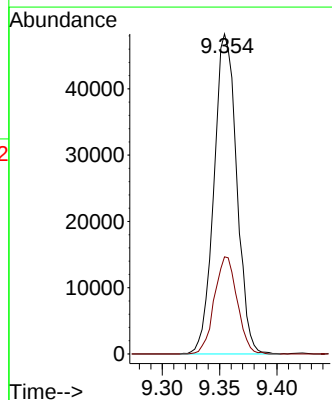
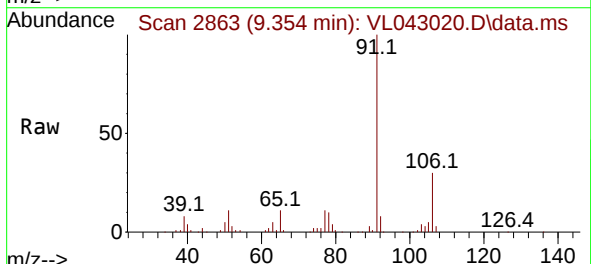
Manual Integrations
APPROVED

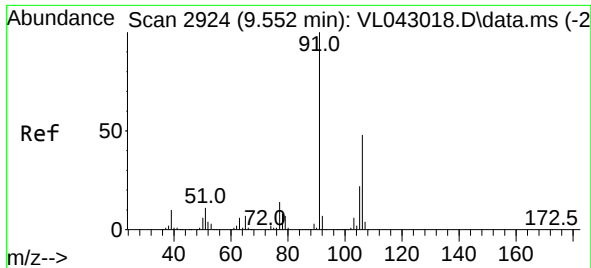
Reviewed By :Semsettin Yesilyurt 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025



#58
Ethyl Benzene
Concen: 0.954 ppbv
RT: 9.354 min Scan# 2863
Delta R.T. -0.003 min
Lab File: VL043020.D
Acq: 30 Sep 2025 10:12

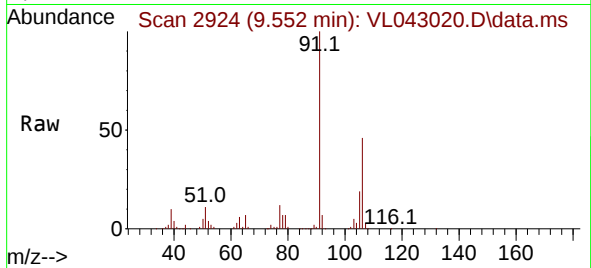
Tgt Ion: 91 Resp: 66643
Ion Ratio Lower Upper
91 100
106 30.4 24.8 37.2





#59
m/p-Xylene
Concen: 1.980 ppbv m
RT: 9.552 min Scan# 2924
Delta R.T. 0.000 min
Lab File: VL043020.D
Acq: 30 Sep 2025 10:12

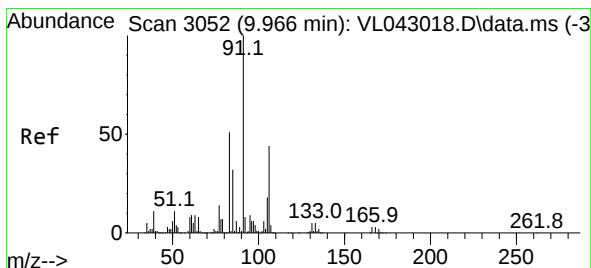
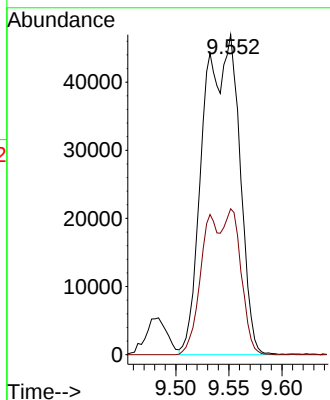
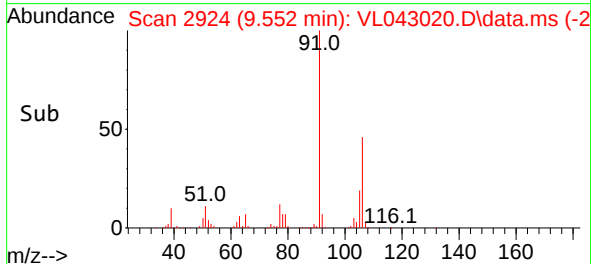
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



Tgt Ion: 91 Resp: 111334
Ion Ratio Lower Upper
91 100
106 46.1 38.1 57.1

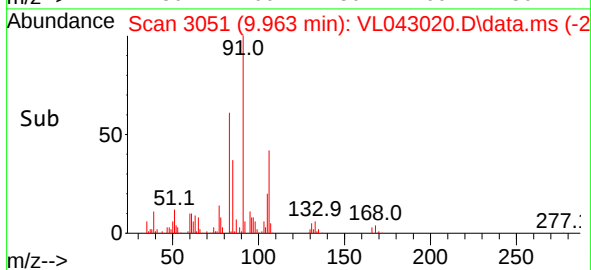
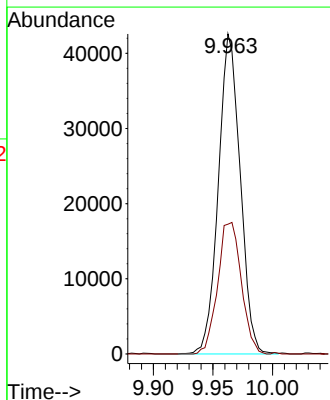
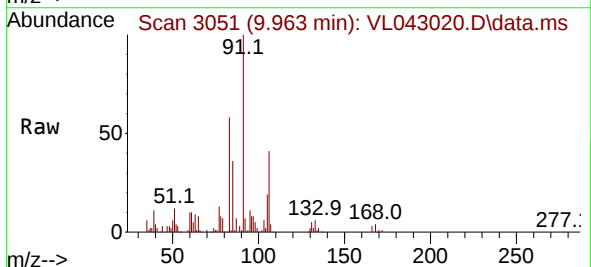
Manual Integrations
APPROVED

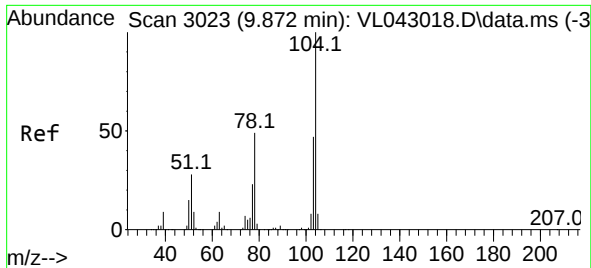
Reviewed By :Semsettin Yesilyurt 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025



#60
o-Xylene
Concen: 0.969 ppbv
RT: 9.963 min Scan# 3051
Delta R.T. -0.003 min
Lab File: VL043020.D
Acq: 30 Sep 2025 10:12

Tgt Ion: 91 Resp: 54145
Ion Ratio Lower Upper
91 100
106 44.7 22.2 66.6





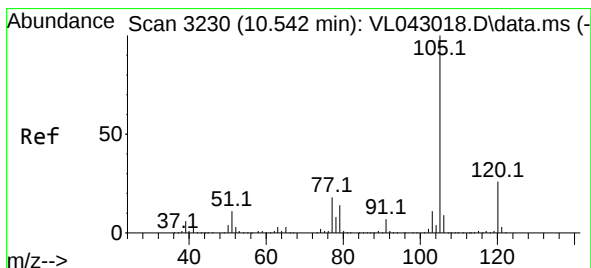
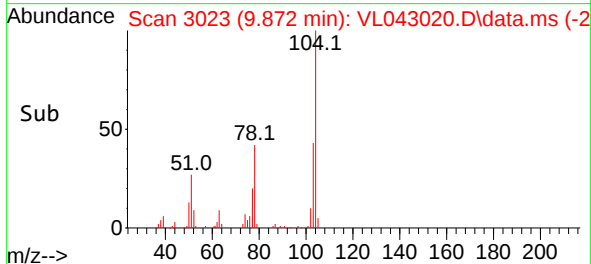
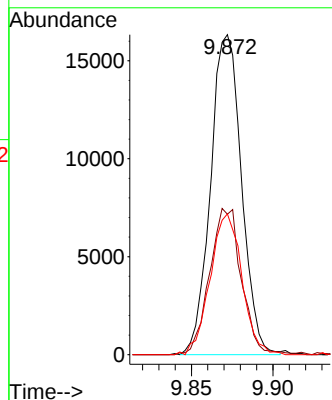
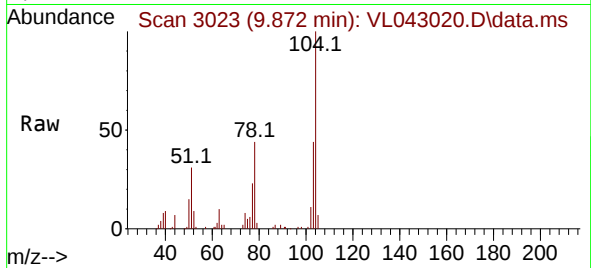
#61
Styrene
Concen: 0.913 ppbv
RT: 9.872 min Scan# 3023
Delta R.T. 0.000 min
Lab File: VL043020.D
Acq: 30 Sep 2025 10:12

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion:104 Resp: 2159
Ion Ratio Lower Upper
104 100
78 47.2 39.0 58.4
103 45.1 37.4 56.2

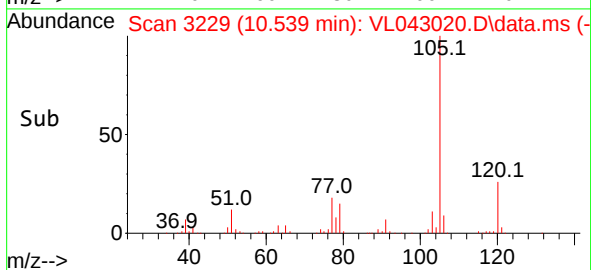
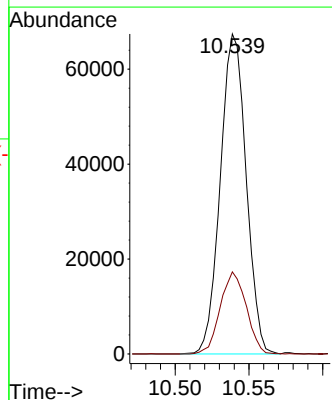
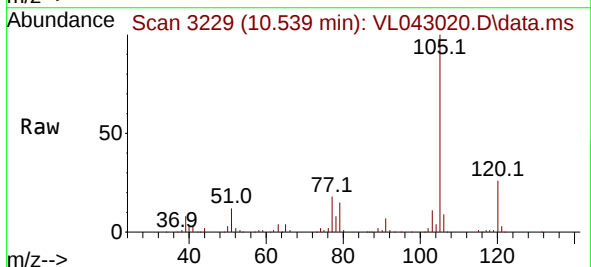
Manual Integrations
APPROVED

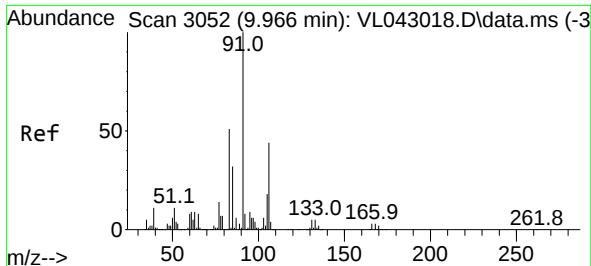
Reviewed By :Semsettin Yesilyurt 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025



#62
Isopropylbenzene
Concen: 0.986 ppbv
RT: 10.539 min Scan# 3229
Delta R.T. -0.003 min
Lab File: VL043020.D
Acq: 30 Sep 2025 10:12

Tgt Ion:105 Resp: 82087
Ion Ratio Lower Upper
105 100
120 25.8 20.7 31.1





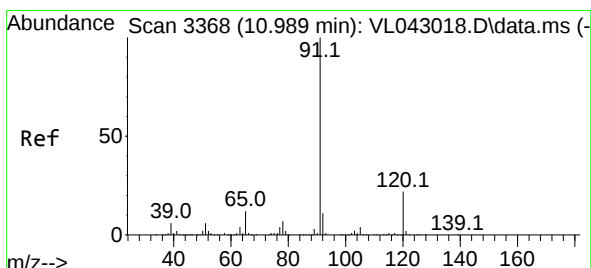
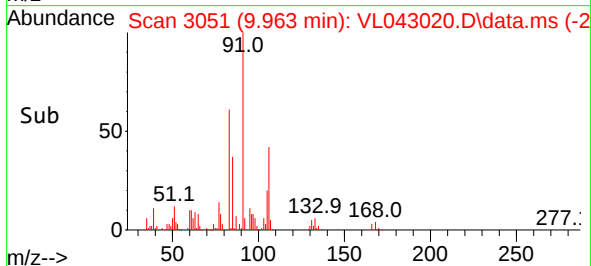
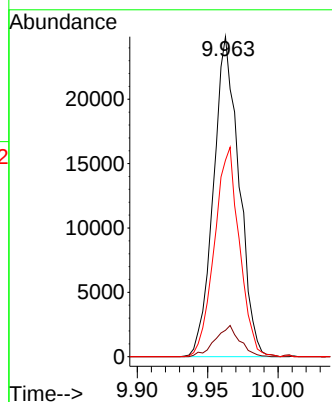
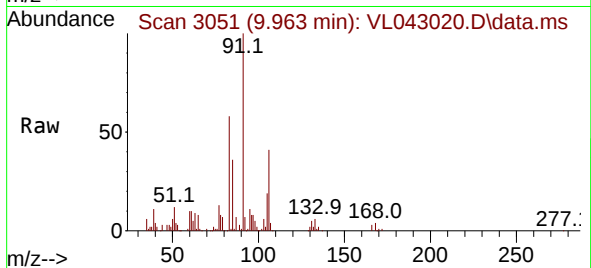
#63
1,1,2,2-Tetrachloroethane
Concen: 1.051 ppbv
RT: 9.963 min Scan# 3051
Delta R.T. -0.003 min
Lab File: VL043020.D
Acq: 30 Sep 2025 10:12

Instrument : MSVOA_L
ClientSampleId : VSTDIC001

Tgt Ion: 83 Resp: 3151
Ion Ratio Lower Upper
83 100
131 9.5 5.0 14.9
85 64.0 32.2 96.6

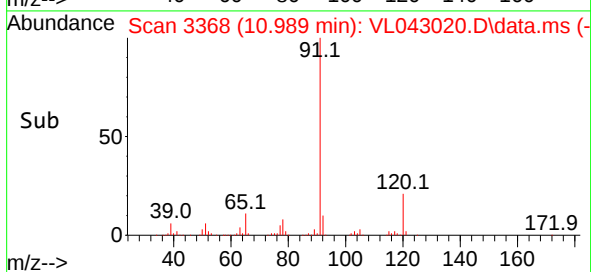
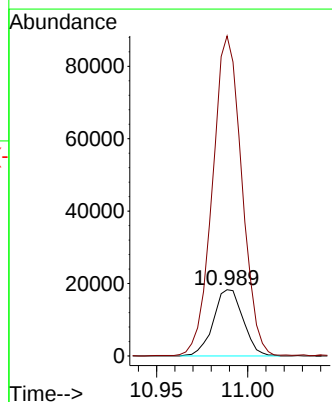
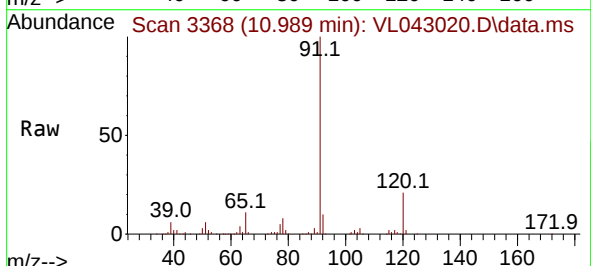
Manual Integrations
APPROVED

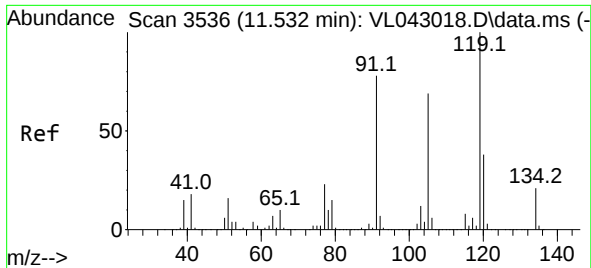
Reviewed By :Semsettin Yesilyurt 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025



#64
n-propylbenzene
Concen: 0.956 ppbv
RT: 10.989 min Scan# 3368
Delta R.T. 0.000 min
Lab File: VL043020.D
Acq: 30 Sep 2025 10:12

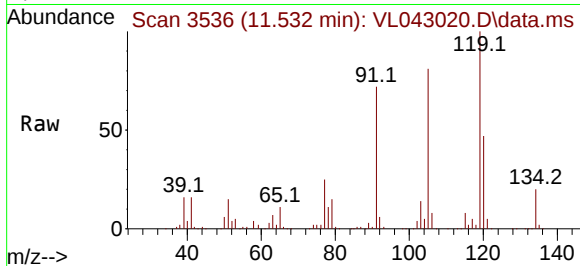
Tgt Ion:120 Resp: 20727
Ion Ratio Lower Upper
120 100
91 477.5 365.6 548.4





#65
tert-Butylbenzene
Concen: 0.994 ppbv
RT: 11.532 min Scan# 3536
Delta R.T. 0.000 min
Lab File: VL043020.D
Acq: 30 Sep 2025 10:12

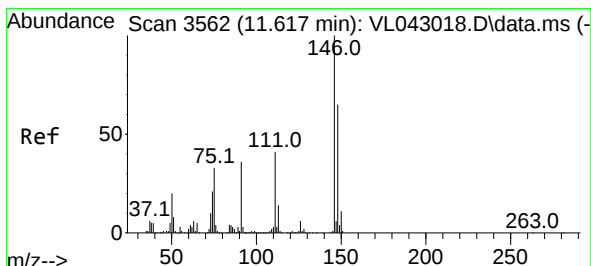
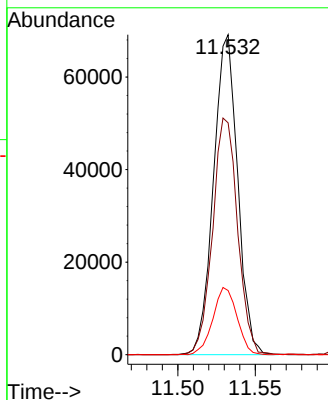
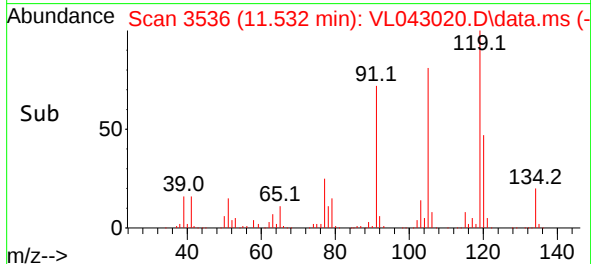
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



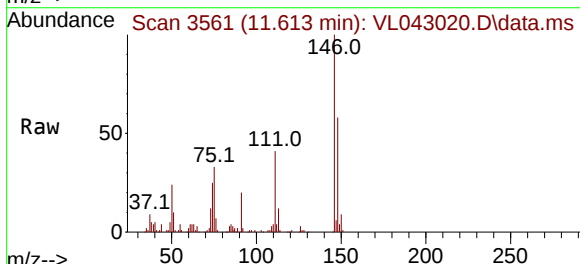
Tgt Ion: 119 Resp: 74920
Ion Ratio Lower Upper
119 100
91 76.6 62.6 93.8
134 21.0 16.7 25.1

Manual Integrations
APPROVED

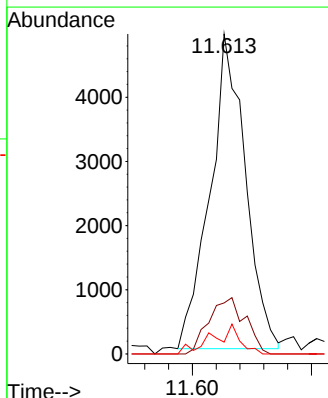
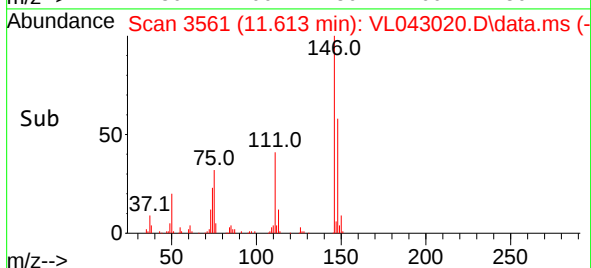
Reviewed By :Semsettin Yesilyurt 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

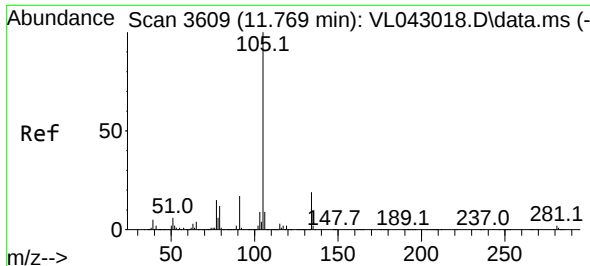


#66
Benzyl Chloride
Concen: 0.839 ppbv
RT: 11.613 min Scan# 3561
Delta R.T. -0.003 min
Lab File: VL043020.D
Acq: 30 Sep 2025 10:12



Tgt Ion: 91 Resp: 5045
Ion Ratio Lower Upper
91 100
126 18.5 14.1 21.1
128 7.4 4.9 7.3#





#67

sec-Butylbenzene

Concen: 0.999 ppbv

RT: 11.765 min Scan# 3179

Delta R.T. -0.003 min

Lab File: VL043020.D

Acq: 30 Sep 2025 10:12

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tgt Ion:105 Resp: 10501

Ion Ratio Lower Upper

105 100

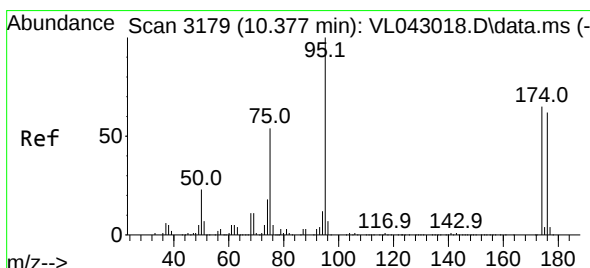
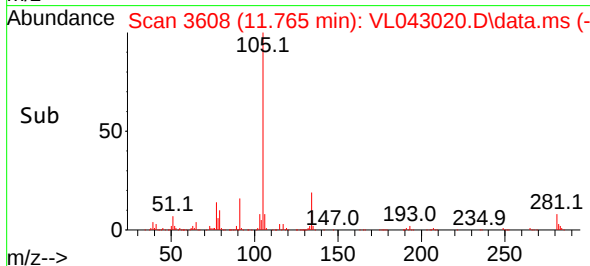
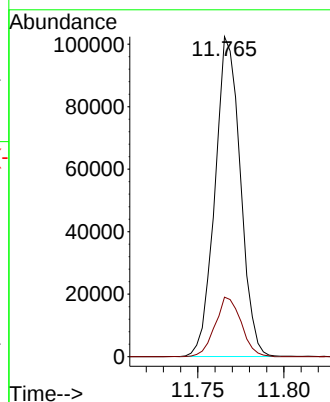
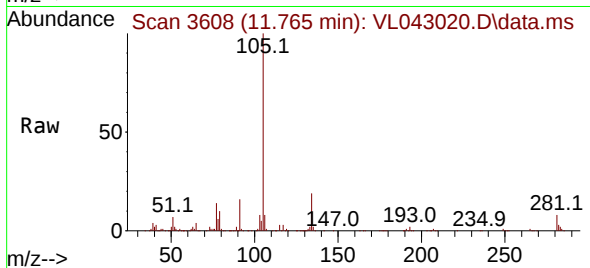
134 19.1 15.4 23.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/01/2025

Supervised By :Mahesh Dadoda 10/03/2025



#68

1-Bromo-4-Fluorobenzene

Concen: 10.060 ppbv

RT: 10.377 min Scan# 3179

Delta R.T. 0.000 min

Lab File: VL043020.D

Acq: 30 Sep 2025 10:12

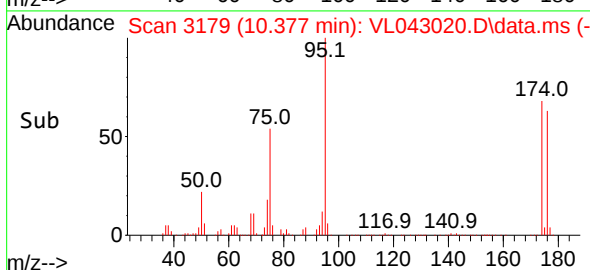
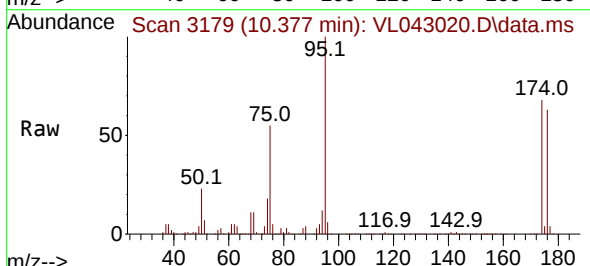
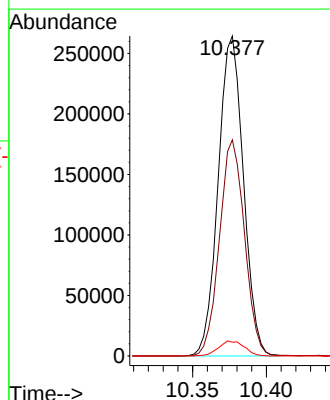
Tgt Ion: 95 Resp: 314208

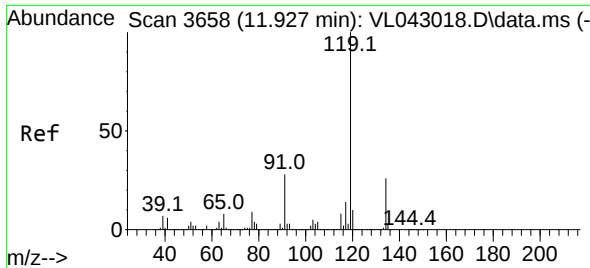
Ion Ratio Lower Upper

95 100

174 67.2 53.4 80.2

175 4.8 3.8 5.8





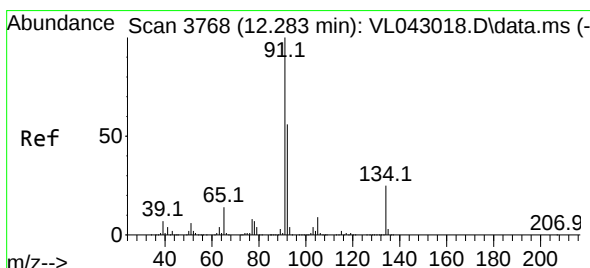
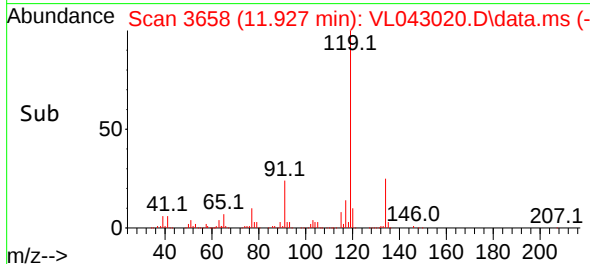
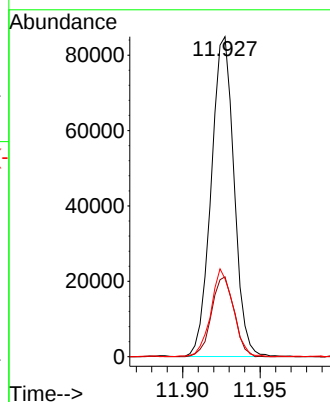
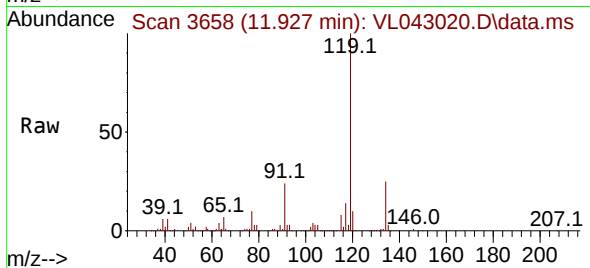
#69
p-Isopropyltoluene
Concen: 0.994 ppbv
RT: 11.927 min Scan# 3658
Delta R.T. 0.000 min
Lab File: VL043020.D
Acq: 30 Sep 2025 10:12

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion:119 Resp: 86978
Ion Ratio Lower Upper
119 100
134 24.8 20.3 30.5
91 27.1 22.1 33.1

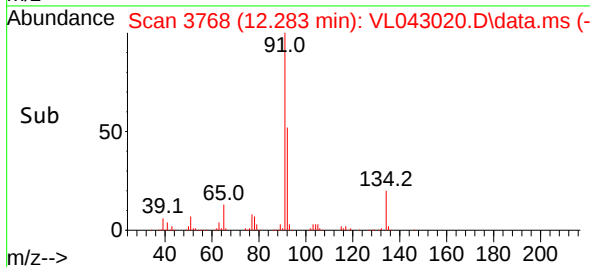
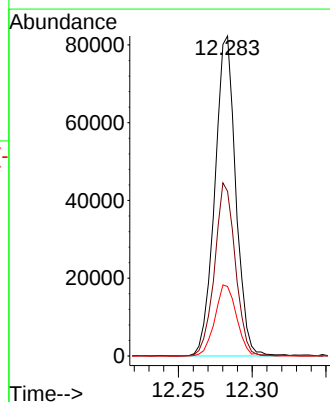
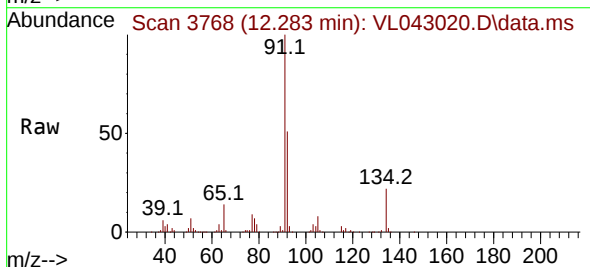
Manual Integrations
APPROVED

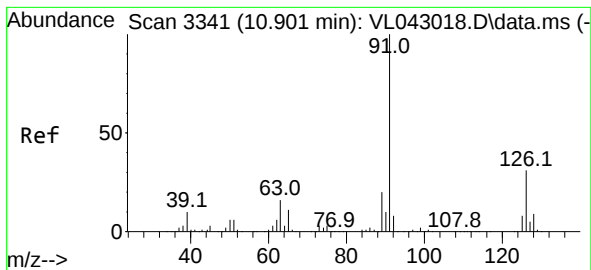
Reviewed By :Semsettin Yesilyurt 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025



#70
n-Butylbenzene
Concen: 0.962 ppbv
RT: 12.283 min Scan# 3768
Delta R.T. 0.000 min
Lab File: VL043020.D
Acq: 30 Sep 2025 10:12

Tgt Ion: 91 Resp: 81356
Ion Ratio Lower Upper
91 100
92 53.6 44.2 66.4
134 23.0 19.5 29.3





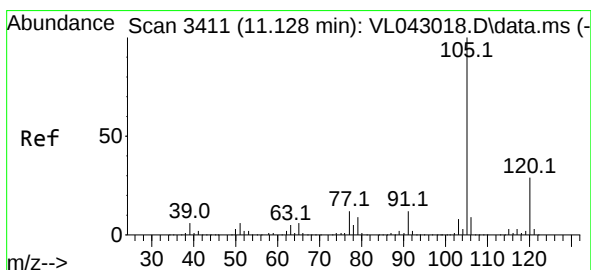
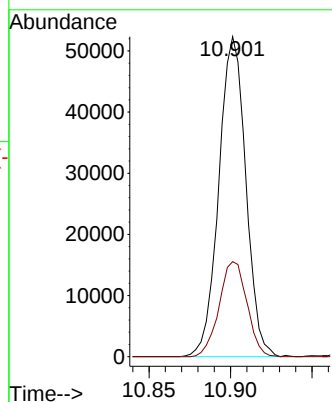
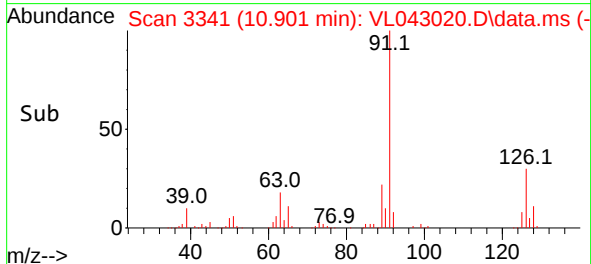
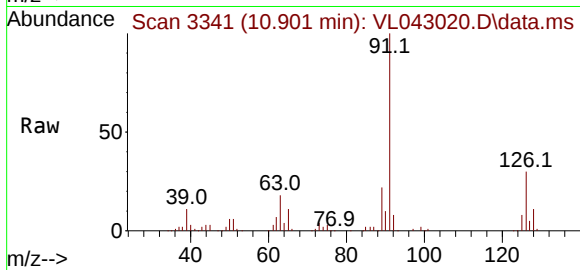
#71
2-Chlorotoluene
Concen: 0.970 ppbv
RT: 10.901 min Scan# 31
Delta R.T. 0.000 min
Lab File: VL043020.D
Acq: 30 Sep 2025 10:12

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion: 91 Resp: 60194
Ion Ratio Lower Upper
91 100
126 30.5 12.3 49.3

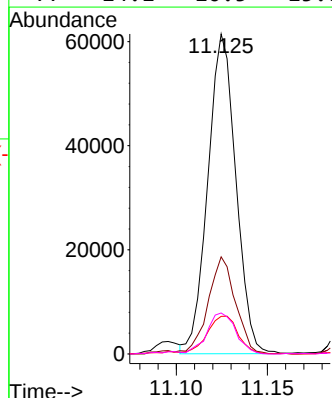
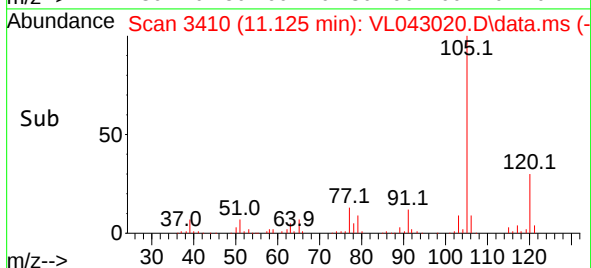
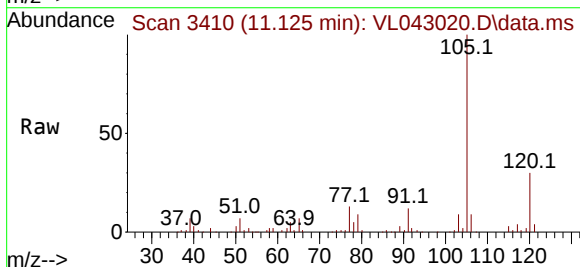
Manual Integrations
APPROVED

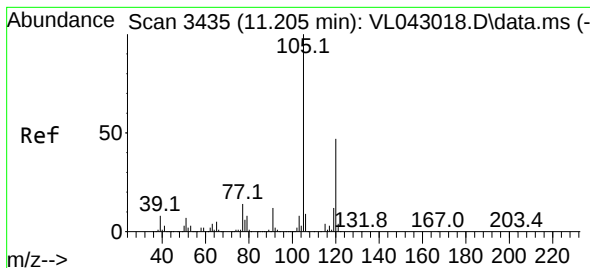
Reviewed By :Semsettin Yesilyurt 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025



#72
4-Ethyltoluene
Concen: 0.956 ppbv
RT: 11.125 min Scan# 3410
Delta R.T. -0.003 min
Lab File: VL043020.D
Acq: 30 Sep 2025 10:12

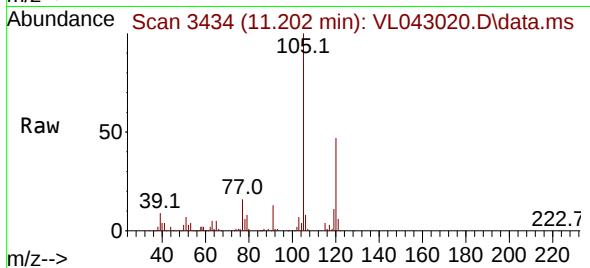
Tgt Ion:105 Resp: 65710
Ion Ratio Lower Upper
105 100
120 30.4 23.6 35.4
91 14.1 10.0 15.0
77 14.1 10.5 15.7





#73
1,3,5-Trimethylbenzene
Concen: 0.977 ppbv
RT: 11.202 min Scan# 3435
Delta R.T. -0.003 min
Lab File: VL043020.D
Acq: 30 Sep 2025 10:12

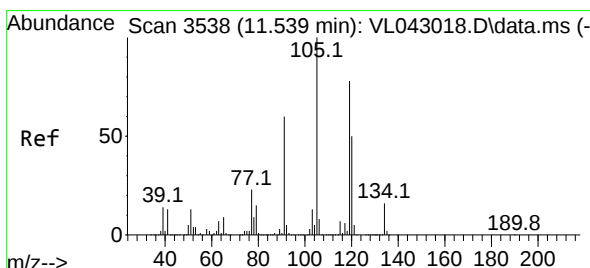
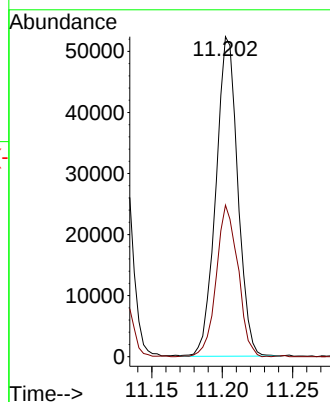
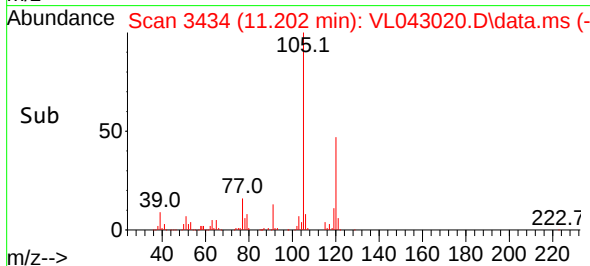
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



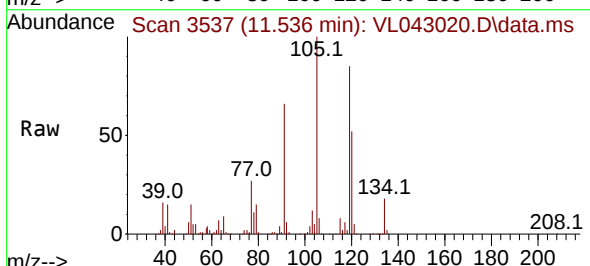
Tgt Ion:105 Resp: 56639
Ion Ratio Lower Upper
105 100
120 47.3 37.4 56.2

Manual Integrations
APPROVED

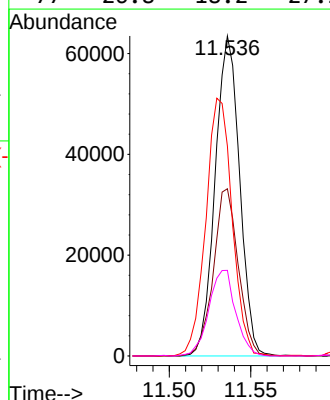
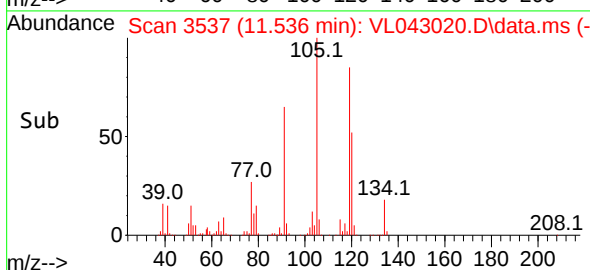
Reviewed By :Semsettin Yesilyurt 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

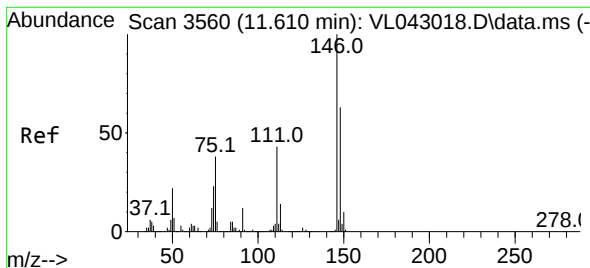


#74
1,2,4-Trimethylbenzene
Concen: 1.013 ppbv
RT: 11.536 min Scan# 3537
Delta R.T. -0.003 min
Lab File: VL043020.D
Acq: 30 Sep 2025 10:12



Tgt Ion:105 Resp: 66257
Ion Ratio Lower Upper
105 100
120 52.3 40.3 60.5
91 65.5 47.7 71.5
77 26.8 18.2 27.2





#75

1,3-Dichlorobenzene

Concen: 1.024 ppbv

RT: 11.607 min Scan# 3559

Delta R.T. -0.003 min

Lab File: VL043020.D

Acq: 30 Sep 2025 10:12

Instrument :

MSVOA_L

ClientSampleId :

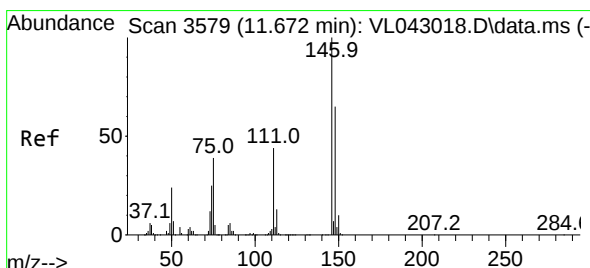
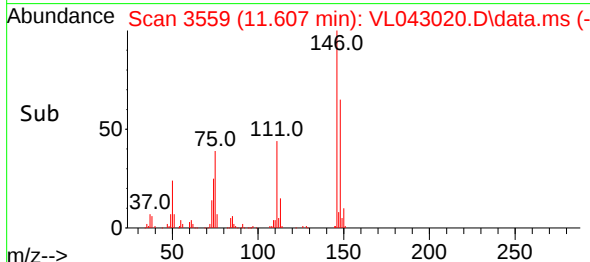
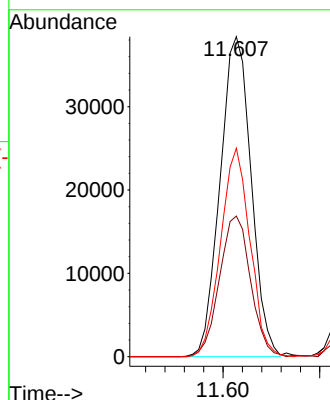
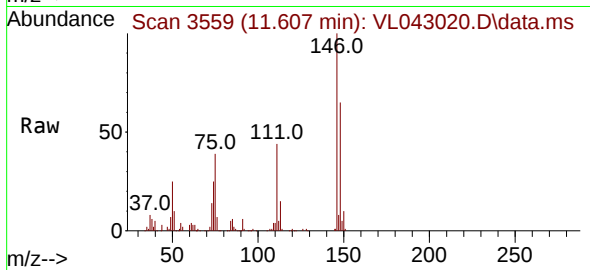
VSTDIC001

Tgt Ion:	146	Resp:	42790
Ion Ratio	Lower	Upper	
146	100		
111	44.2	22.0	66.0
148	61.6	31.9	95.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025



#76

1,4-Dichlorobenzene

Concen: 0.995 ppbv

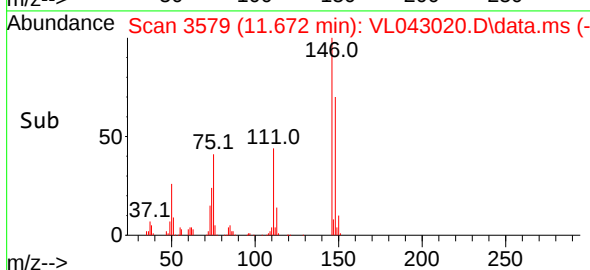
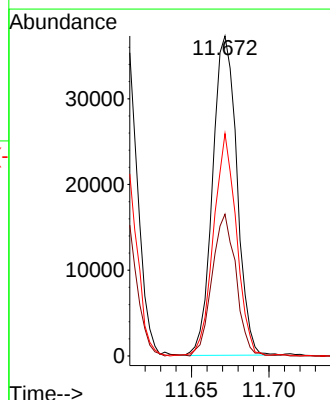
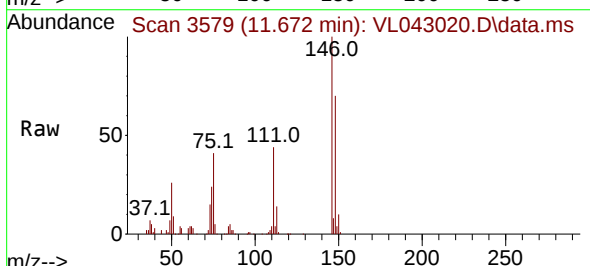
RT: 11.672 min Scan# 3579

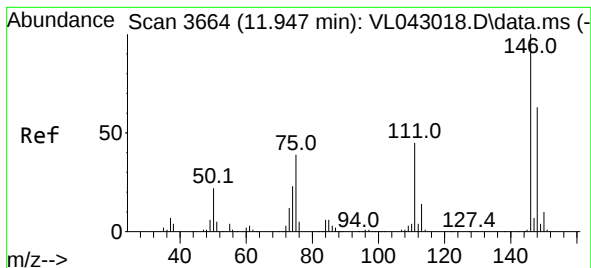
Delta R.T. 0.000 min

Lab File: VL043020.D

Acq: 30 Sep 2025 10:12

Tgt Ion:	146	Resp:	40651
Ion Ratio	Lower	Upper	
146	100		
111	43.7	21.9	65.5
148	66.1	32.4	97.2





#77

1,2-Dichlorobenzene

Concen: 1.044 ppbv

RT: 11.947 min Scan# 30

Delta R.T. 0.000 min

Lab File: VL043020.D

Acq: 30 Sep 2025 10:12

Instrument :

MSVOA_L

ClientSampleId :

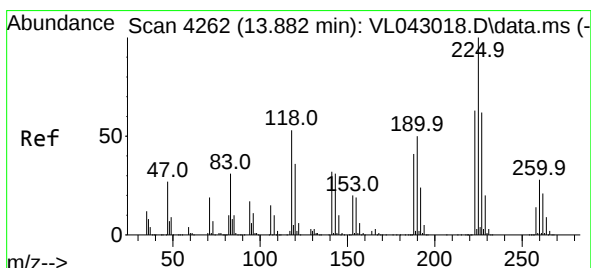
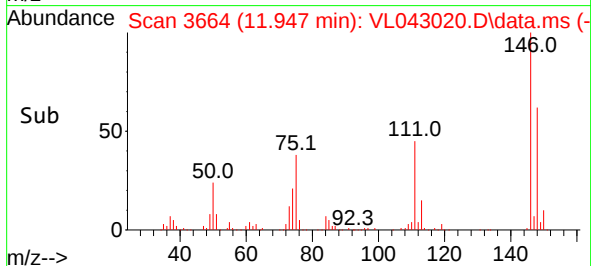
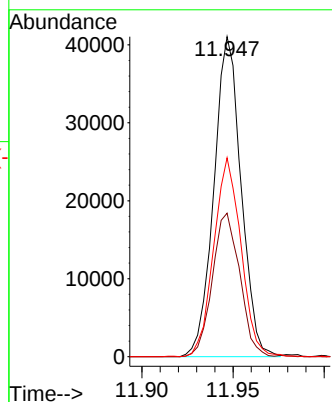
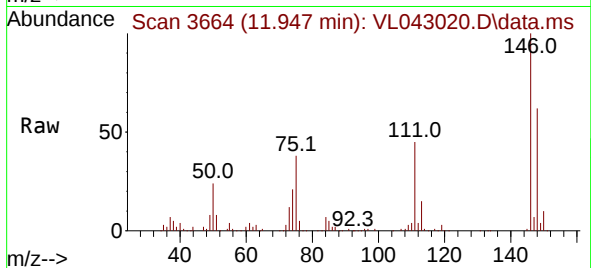
VSTDICC001

Tgt Ion:146	Resp:	4260
Ion Ratio	Lower	Upper
146	100	
111	45.3	22.9 68.5
148	62.4	31.8 95.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025



#78

Hexachloro-1,3-Butadiene

Concen: 1.077 ppbv

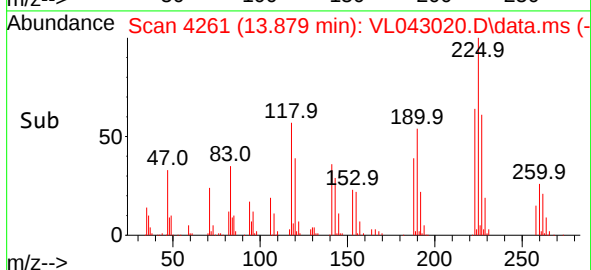
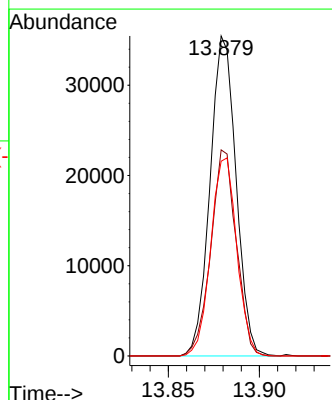
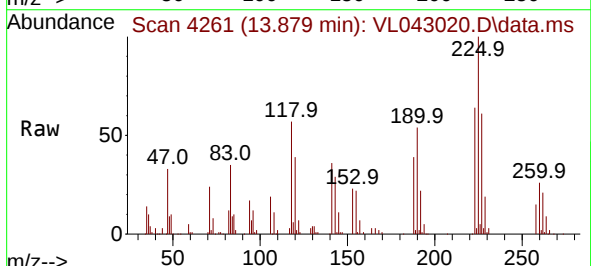
RT: 13.879 min Scan# 4261

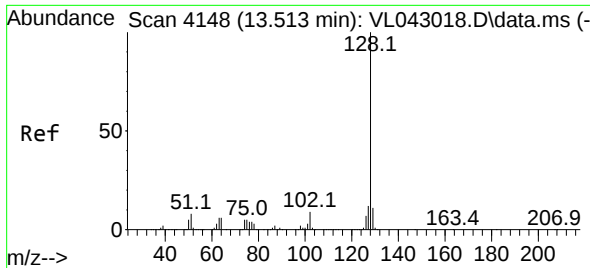
Delta R.T. -0.003 min

Lab File: VL043020.D

Acq: 30 Sep 2025 10:12

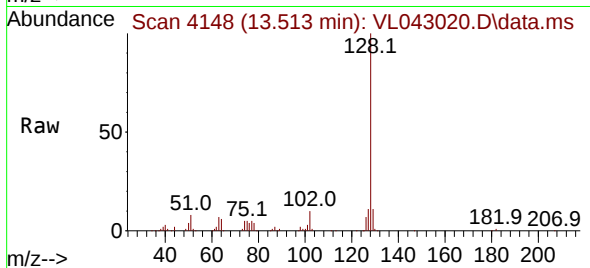
Tgt Ion:225	Resp:	35162
Ion Ratio	Lower	Upper
225	100	
223	63.2	50.9 76.3
227	62.0	50.3 75.5





#79
Naphthalene
Concen: 0.965 ppbv
RT: 13.513 min Scan# 4148
Delta R.T. 0.000 min
Lab File: VL043020.D
Acq: 30 Sep 2025 10:12

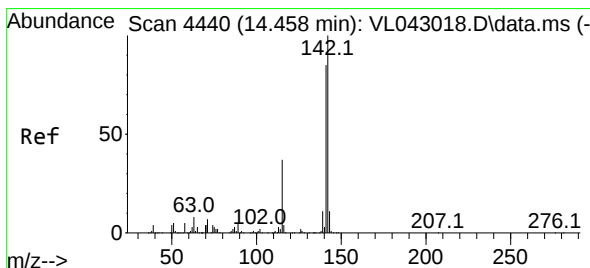
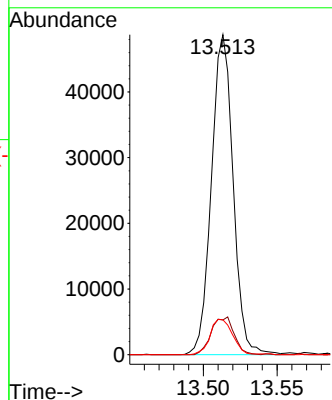
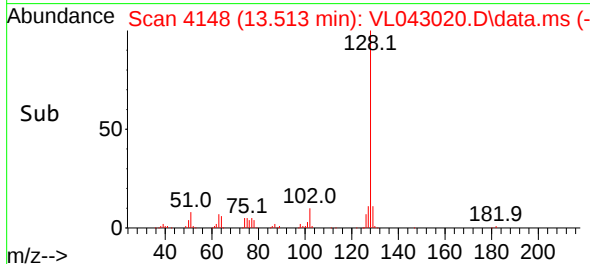
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



Tgt Ion:128 Resp: 49819
Ion Ratio Lower Upper
128 100
127 10.9 9.9 14.9
129 10.9 8.6 13.0

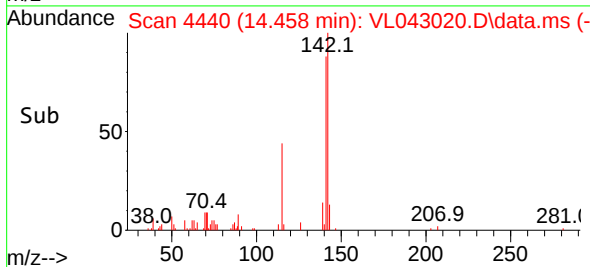
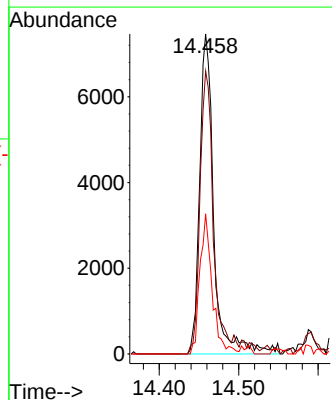
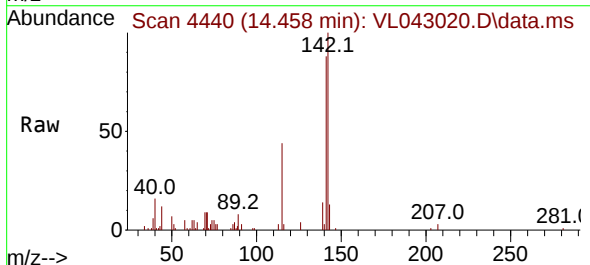
Manual Integrations
APPROVED

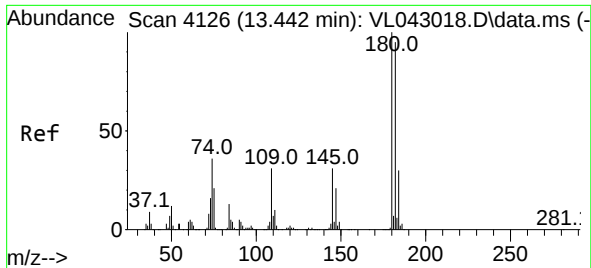
Reviewed By :Semsettin Yesilyurt 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025



#80
Naphthalene,2-methyl-
Concen: 0.691 ppbv
RT: 14.458 min Scan# 4440
Delta R.T. 0.000 min
Lab File: VL043020.D
Acq: 30 Sep 2025 10:12

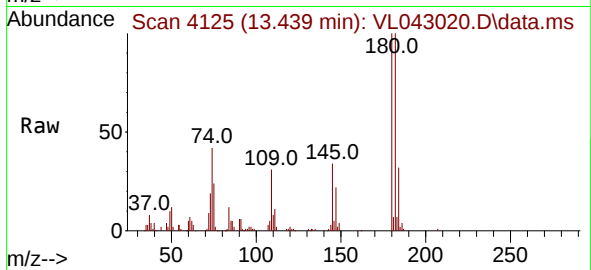
Tgt Ion:142 Resp: 9235
Ion Ratio Lower Upper
142 100
141 89.2 67.0 100.4
115 38.1 29.8 44.6





#81
 1,2,4-Trichlorobenzene
 Concen: 0.926 ppbv
 RT: 13.439 min Scan# 41
 Delta R.T. -0.003 min
 Lab File: VL043020.D
 Acq: 30 Sep 2025 10:12

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001



Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.8	75.8	113.8
184	29.7	24.2	36.4

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 10/01/2025
 Supervised By :Mahesh Dadoda 10/03/2025

