

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL093025\
 Data File : VL043024.D
 Acq On : 30 Sep 2025 12:27
 Operator : SY/MD
 Sample : VSTDICC015
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC015

Manual Integrations
 APPROVED

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

Quant Time: Sep 30 23:58:55 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	139317	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.956	114	427921	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.882	117	384278	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.377 95 303909 10.440 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 104.400%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.499	85	352501	14.621	ppbv	99
3) Chlorodifluoromethane	1.477	51	373452	14.548	ppbv	100
4) Chloromethane	1.535	50	133695	14.609	ppbv	99
5) Vinyl Chloride	1.580	62	120858	13.615	ppbv	99
6) Bromomethane	1.668	94	47629	14.848	ppbv	93
7) Chloroethane	1.706	64	50615	14.284	ppbv	98
8) Dichlorotetrafluoroethane	1.554	85	289959	14.753	ppbv	99
9) Propene	1.483	41	144689	14.490	ppbv	100
10) Heptane	4.979	43	405660	15.751	ppbv	100
11) Trichlorofluoromethane	1.878	101	362223	14.908	ppbv	99
12) 1,1,2-Trichlorotrifluo...	2.140	101	284614	14.781	ppbv	99
13) Ethanol	1.723	45	11760	15.133	ppbv	97
14) Bromoethene	1.781	108	106398	14.826	ppbv	98
15) Acetone	1.836	43	250074	12.589	ppbv	99
16) 1,3-Butadiene	1.609	39	118543	14.096	ppbv	97
17) tert-Butyl alcohol	2.040	59	301080	13.564	ppbv	100
18) 1,1-Dichloroethene	2.033	96	126213	14.574	ppbv	98
19) Isopropyl Alcohol	1.884	45	158717	13.586	ppbv	98
20) Methylene Chloride	2.062	84	118891	15.506	ppbv	98
21) Allyl Chloride	2.095	41	199141	14.817	ppbv	98
22) trans-1,2-Dichloroethene	2.341	96	145595	14.851	ppbv	99
23) Vinyl Acetate	2.461	43	417914	15.228	ppbv	99
24) 1,1-Dichloroethane	2.409	63	271460	14.712	ppbv	99
25) Ethyl Acetate	2.833	43	710402	14.019	ppbv	100
26) Hexane	2.826	57	330936	12.557	ppbv	99
27) Carbon Disulfide	2.150	76	341474	14.732	ppbv	99
28) Methyl tert-Butyl Ether	2.438	73	172162	13.345	ppbv	99
29) Chloroform	2.849	83	492553	15.019	ppbv	100
30) Cyclohexane	3.856	84	280306	15.442	ppbv	99
31) cis-1,2-Dichloroethene	2.719	61	328232	15.339	ppbv	99
32) 1,1,1-Trichloroethane	3.367	97	499172	15.026	ppbv	99
34) 2-Butanone	2.554	43	458457	15.216	ppbv	99
35) Carbon Tetrachloride	3.762	117	523083	15.063	ppbv	96
36) Benzene	3.655	78	659167	15.369	ppbv	98
37) 1,2-Dichloroethane	3.218	62	379202	15.474	ppbv	99
38) Trichloroethene	4.548	130	325016	14.788	ppbv	96
39) 1,2-Dichloropropane	4.312	63	240881	15.296	ppbv	95
40) 1,4-Dioxane	4.574	88	105958	15.863	ppbv #	96
41) Tetrahydrofuran	3.050	42	256866	16.008	ppbv	100
42) Bromodichloromethane	4.490	83	539023	15.833	ppbv	96
43) Methyl Methacrylate	4.875	69	254204	16.869	ppbv	99
44) 2,2,4-Trimethylpentane	4.639	57	1093087	15.492	ppbv	100
45) t-1,3-Dichloropropene	6.412	75	287581	16.784	ppbv	97

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

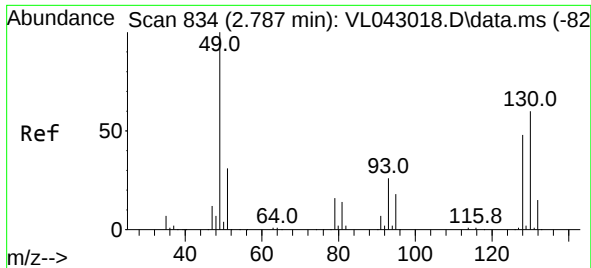
Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 2

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

Response via : Initial Calibration

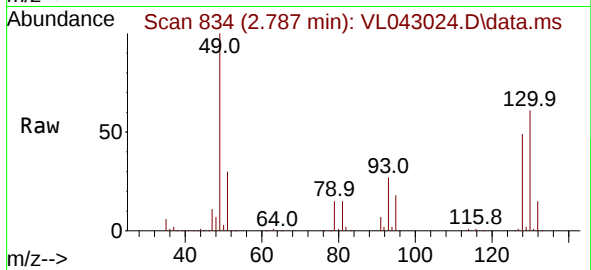
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.597	75	366508	16.398	ppbv	99
47) 1,1,2-Trichloroethane	6.581	97	262422	15.709	ppbv	99
48) Dibromochloromethane	7.387	129	458578	15.925	ppbv	99
49) Bromoform	9.484	173	403628	16.518	ppbv	100
50) 4-Methyl-2-Pentanone	5.746	43	628731	16.352	ppbv	99
51) 2-Hexanone	7.432	43	499672	17.635	ppbv #	100
52) Tetrachloroethene	8.225	164	247490	14.476	ppbv	98
53) Toluene	6.934	91	773647	16.175	ppbv	100
54) 1,2-Dibromoethane	7.652	107	376048	16.131	ppbv	100
56) 1,1,1,2-Tetrachloroethane	8.924	131	338108	15.527	ppbv	99
57) Chlorobenzene	8.924	112	601765	15.191	ppbv	99
58) Ethyl Benzene	9.355	91	1061987	16.304	ppbv	98
59) m/p-Xylene	9.552	91	1698231m	32.403	ppbv	
60) o-Xylene	9.966	91	847939	16.279	ppbv	99
61) Styrene	9.872	104	386259	17.520	ppbv	99
62) Isopropylbenzene	10.539	105	1250709	16.126	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.963	83	430060	15.383	ppbv	100
64) n-propylbenzene	10.989	120	332196	16.435	ppbv	96
65) tert-Butylbenzene	11.533	119	1111713	15.830	ppbv	99
66) Benzyl Chloride	11.617	91	99365	17.735	ppbv	99
67) sec-Butylbenzene	11.769	105	1532293	15.646	ppbv	99
69) p-Isopropyltoluene	11.924	119	1320006	16.184	ppbv	99
70) n-Butylbenzene	12.281	91	1307688	16.594	ppbv	99
71) 2-Chlorotoluene	10.902	91	941774	16.281	ppbv	99
72) 4-Ethyltoluene	11.125	105	1059857	16.540	ppbv	99
73) 1,3,5-Trimethylbenzene	11.203	105	883857	16.359	ppbv	100
74) 1,2,4-Trimethylbenzene	11.539	105	964228	15.810	ppbv	96
75) 1,3-Dichlorobenzene	11.607	146	609147	15.636	ppbv	99
76) 1,4-Dichlorobenzene	11.672	146	609332	16.004	ppbv	100
77) 1,2-Dichlorobenzene	11.947	146	582329	15.307	ppbv	99
78) Hexachloro-1,3-Butadiene	13.879	225	430692	14.155	ppbv	99
79) Naphthalene	13.514	128	931872	19.367	ppbv	99
80) Naphthalene,2-methyl-	14.456	142	256778	20.627	ppbv	99
81) 1,2,4-Trichlorobenzene	13.439	180	506037	17.343	ppbv	100

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



#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 834
Delta R.T. 0.000 min
Lab File: VL043024.D
Acq: 30 Sep 2025 12:27

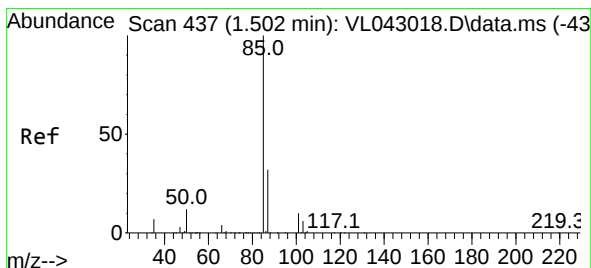
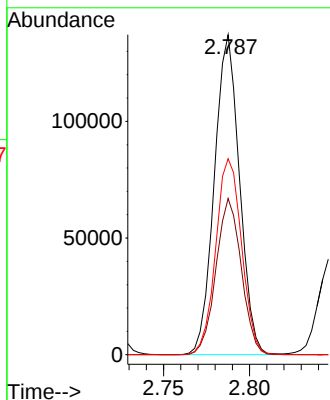
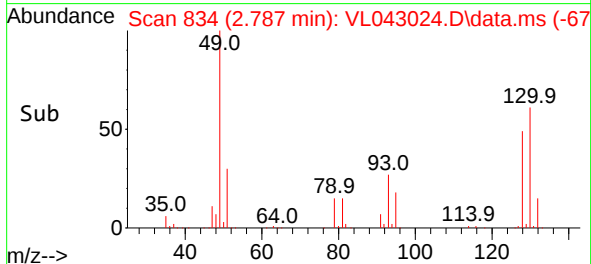
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015



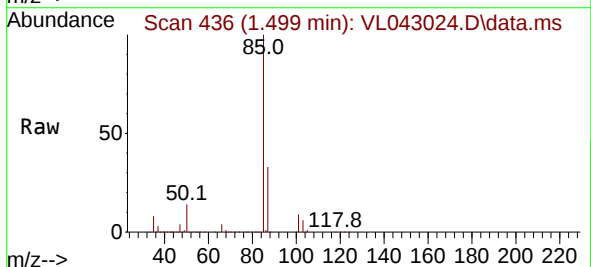
Tgt Ion: 49 Resp: 139317
Ion Ratio Lower Upper
49 100
128 49.1 25.2 75.6
130 63.0 31.6 94.7

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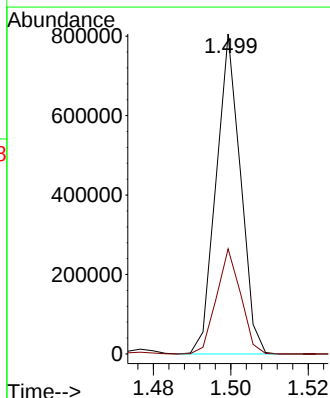
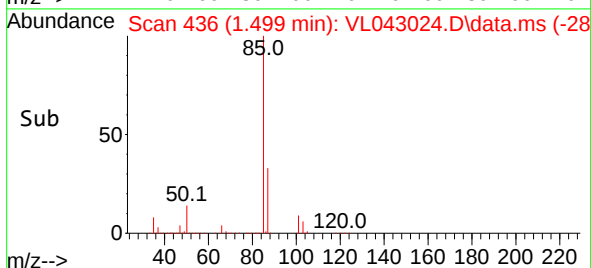
Reviewed By :Semsettin Yesilyurt 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

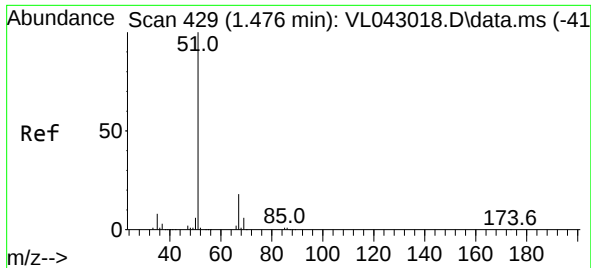


#2
Dichlorodifluoromethane
Concen: 14.621 ppbv
RT: 1.499 min Scan# 436
Delta R.T. -0.003 min
Lab File: VL043024.D
Acq: 30 Sep 2025 12:27



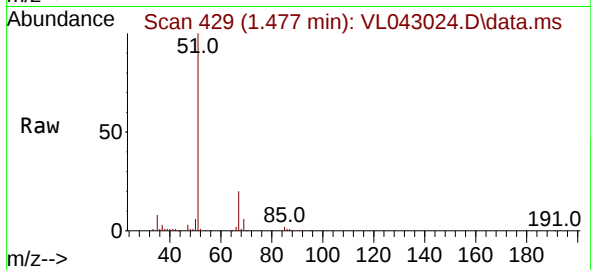
Tgt Ion: 85 Resp: 352501
Ion Ratio Lower Upper
85 100
87 32.9 25.8 38.6





#3
Chlorodifluoromethane
Concen: 14.548 ppbv
RT: 1.477 min Scan# 41
Delta R.T. 0.000 min
Lab File: VL043024.D
Acq: 30 Sep 2025 12:27

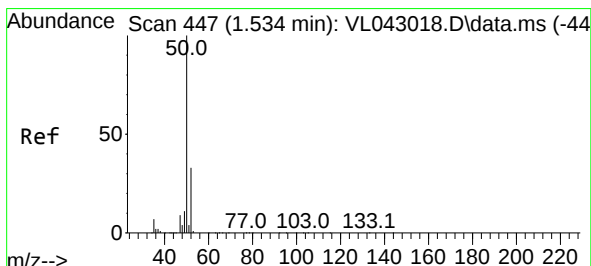
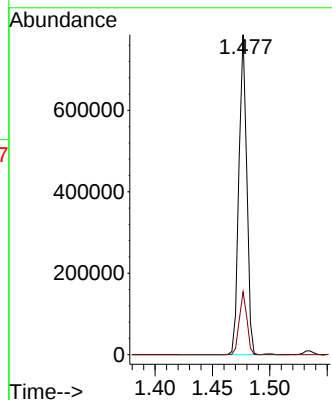
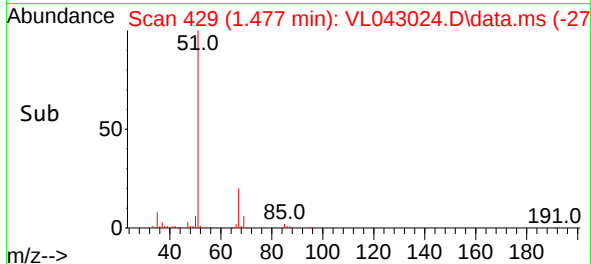
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015



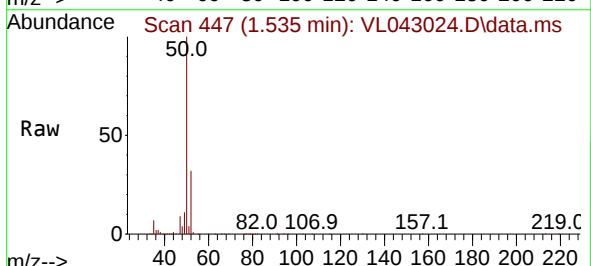
Tgt Ion: 51 Resp: 373452
Ion Ratio Lower Upper
51 100
67 19.1 15.1 22.7

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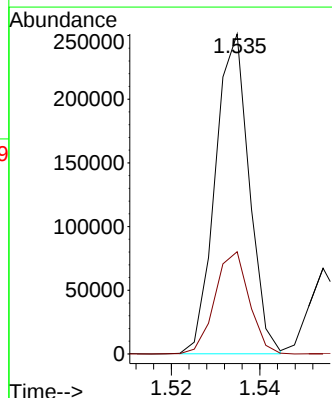
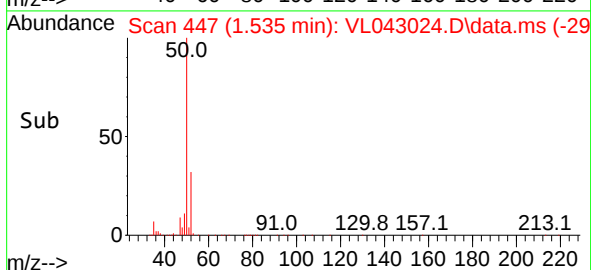
Reviewed By :Semsettin Yesilyurt 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

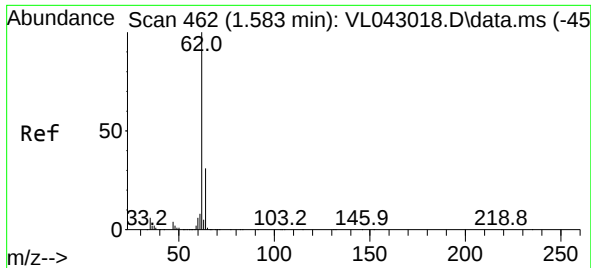


#4
Chloromethane
Concen: 14.609 ppbv
RT: 1.535 min Scan# 447
Delta R.T. 0.000 min
Lab File: VL043024.D
Acq: 30 Sep 2025 12:27



Tgt Ion: 50 Resp: 133695
Ion Ratio Lower Upper
50 100
52 31.9 26.0 39.0





#5
 Vinyl Chloride
 Concen: 13.615 ppbv
 RT: 1.580 min Scan# 40
 Delta R.T. -0.003 min
 Lab File: VL043024.D
 Acq: 30 Sep 2025 12:27

Instrument :

MSVOA_L

ClientSampleId :

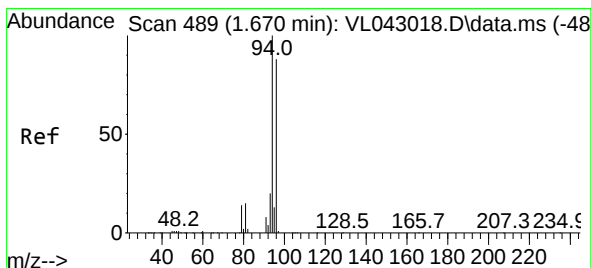
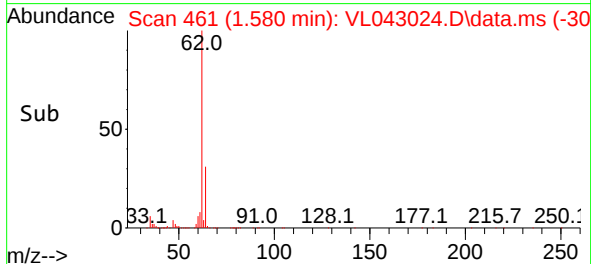
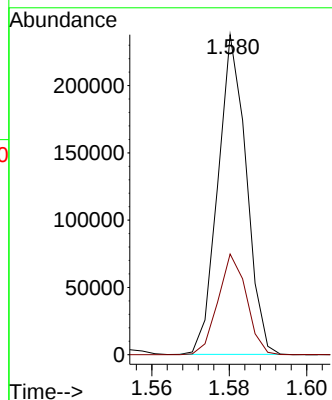
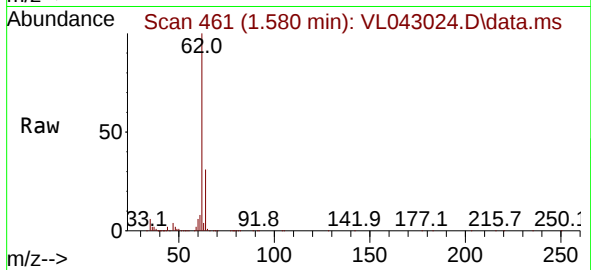
VSTDIC015

Tgt Ion: 62 Resp: 120858
 Ion Ratio Lower Upper
 62 100
 64 31.5 24.6 37.0

Manual Integrations

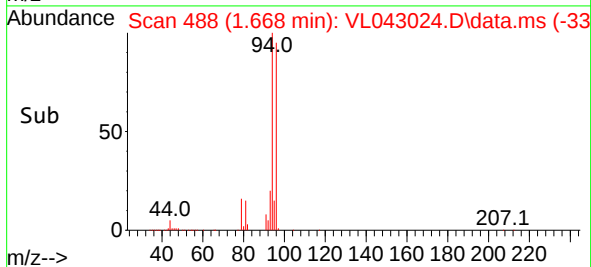
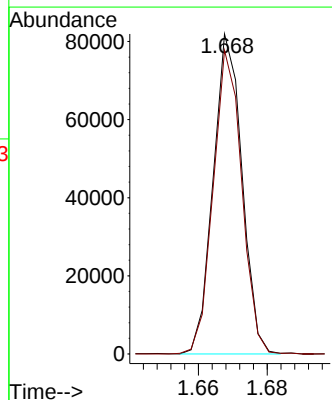
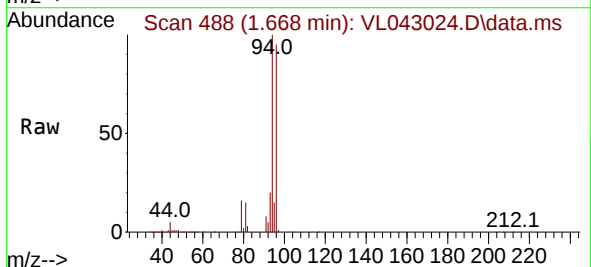
APPROVED

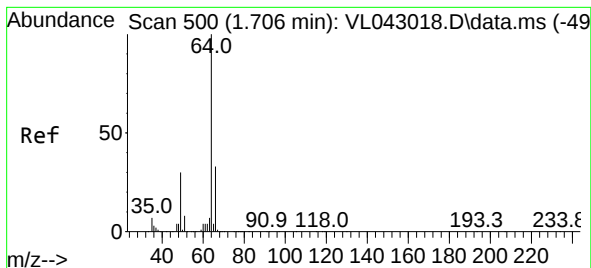
Reviewed By :Semsettin Yesilyurt 10/01/2025
 Supervised By :Mahesh Dadoda 10/03/2025



#6
 Bromomethane
 Concen: 14.848 ppbv
 RT: 1.668 min Scan# 488
 Delta R.T. -0.003 min
 Lab File: VL043024.D
 Acq: 30 Sep 2025 12:27

Tgt Ion: 94 Resp: 47629
 Ion Ratio Lower Upper
 94 100
 96 94.7 70.5 105.7





#7

Chloroethane

Concen: 14.284 ppbv

RT: 1.706 min Scan# 500

Delta R.T. 0.000 min

Lab File: VL043024.D

Acq: 30 Sep 2025 12:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tgt Ion: 64 Resp: 5061

Ion Ratio Lower Upper

64 100

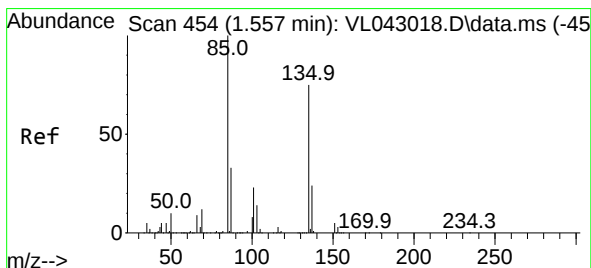
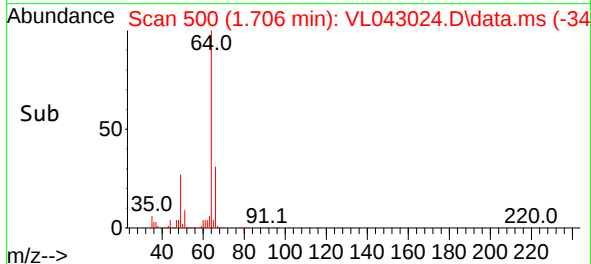
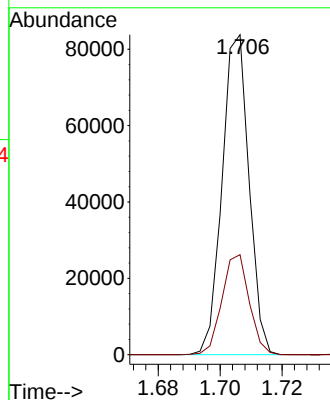
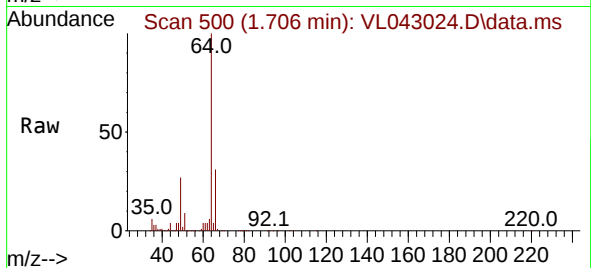
66 31.3 26.0 39.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/01/2025

Supervised By :Mahesh Dadoda 10/03/2025



#8

Dichlorotetrafluoroethane

Concen: 14.753 ppbv

RT: 1.554 min Scan# 453

Delta R.T. -0.003 min

Lab File: VL043024.D

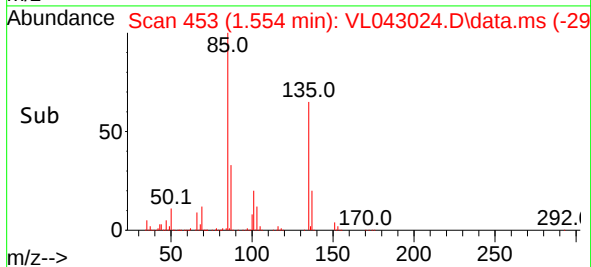
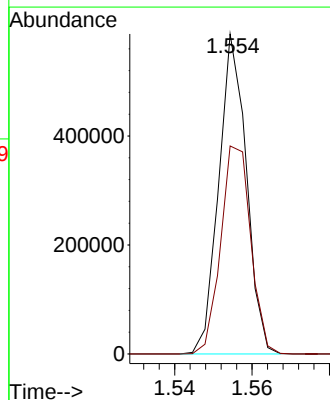
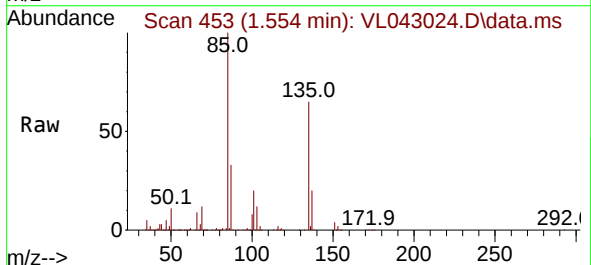
Acq: 30 Sep 2025 12:27

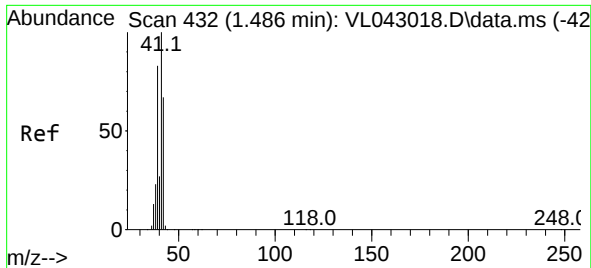
Tgt Ion: 85 Resp: 289959

Ion Ratio Lower Upper

85 100

135 71.0 57.4 86.0





#9

Propene

Concen: 14.490 ppbv

RT: 1.483 min Scan# 41

Delta R.T. -0.003 min

Lab File: VL043024.D

Acq: 30 Sep 2025 12:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tgt Ion: 41 Resp: 144689

Ion Ratio Lower Upper

41 100

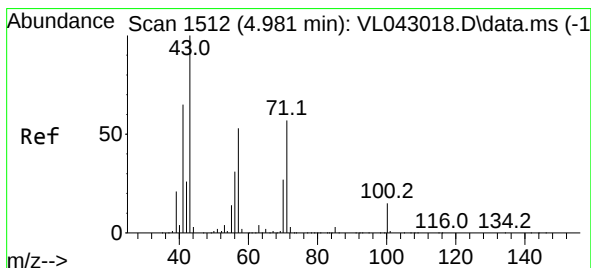
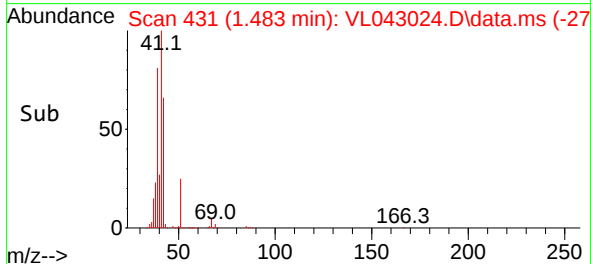
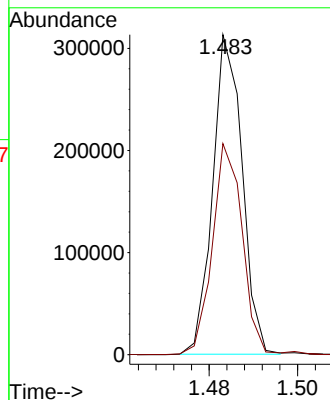
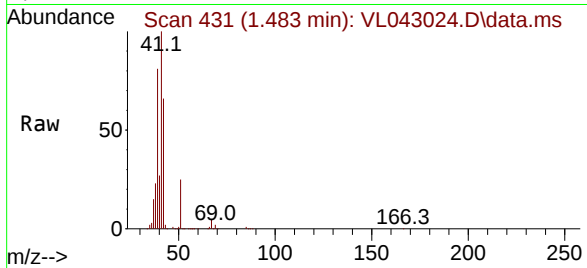
42 67.5 54.2 81.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/01/2025

Supervised By :Mahesh Dadoda 10/03/2025



#10

Heptane

Concen: 15.751 ppbv

RT: 4.979 min Scan# 1511

Delta R.T. -0.003 min

Lab File: VL043024.D

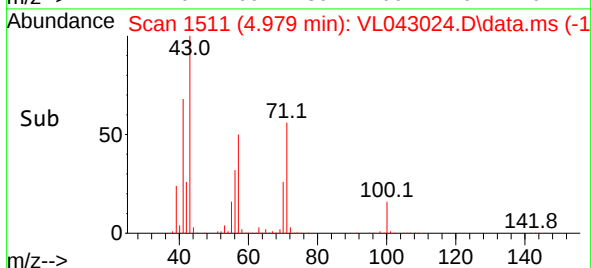
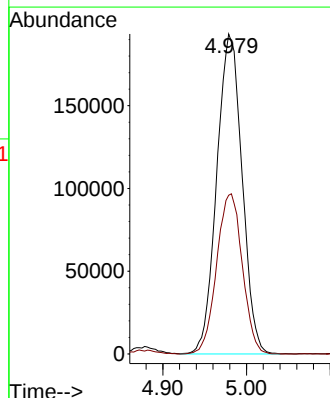
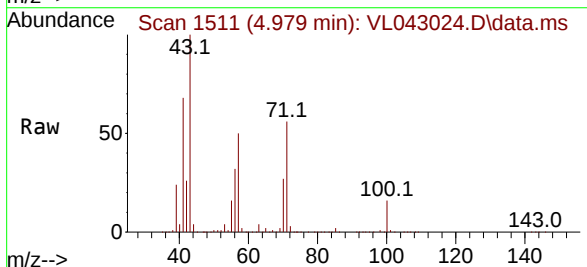
Acq: 30 Sep 2025 12:27

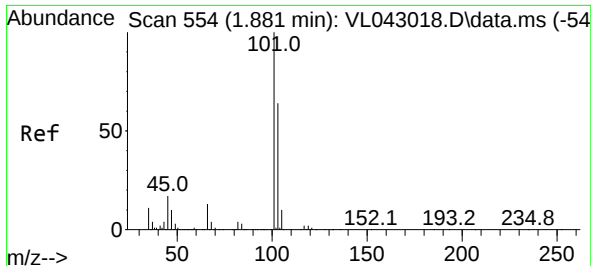
Tgt Ion: 43 Resp: 405660

Ion Ratio Lower Upper

43 100

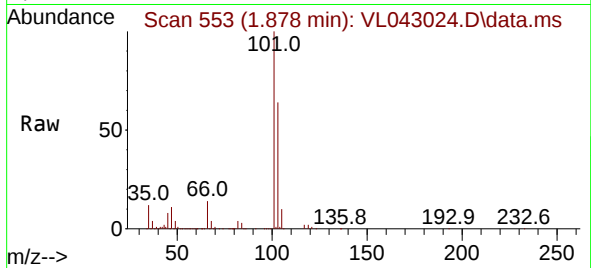
57 50.8 40.5 60.7





#11
 Trichlorofluoromethane
 Concen: 14.908 ppbv
 RT: 1.878 min Scan# 511
 Delta R.T. -0.003 min
 Lab File: VL043024.D
 Acq: 30 Sep 2025 12:27

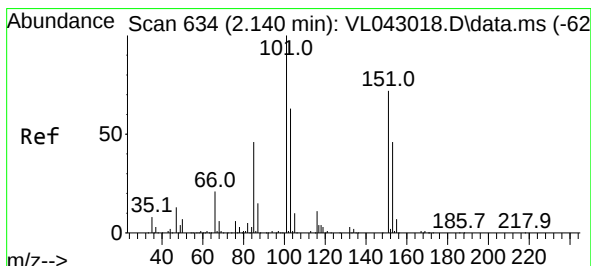
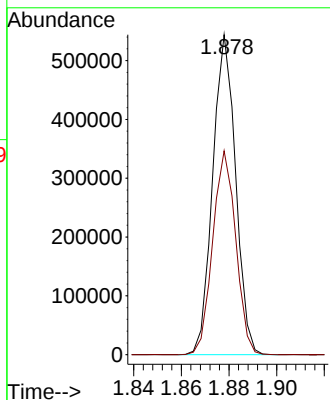
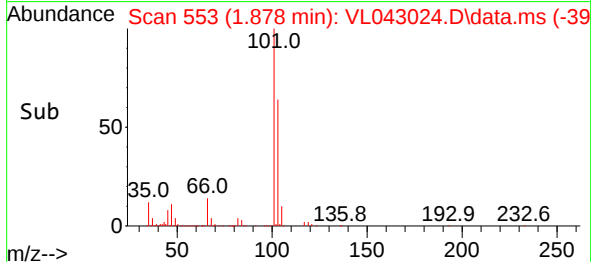
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015



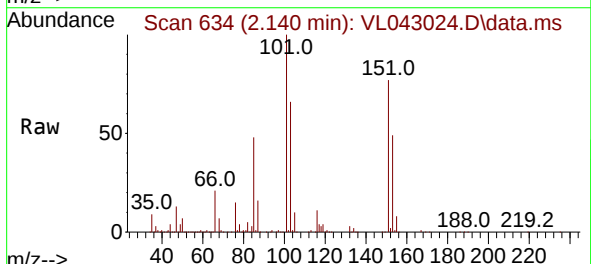
Tgt Ion:101 Resp: 362223
 Ion Ratio Lower Upper
 101 100
 103 63.7 51.4 77.0

Manual Integrations
 APPROVED

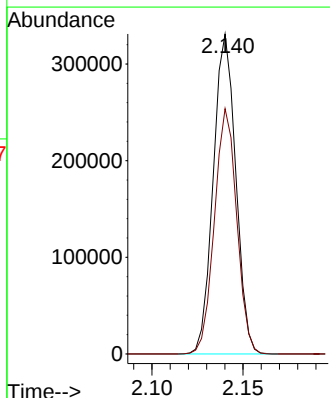
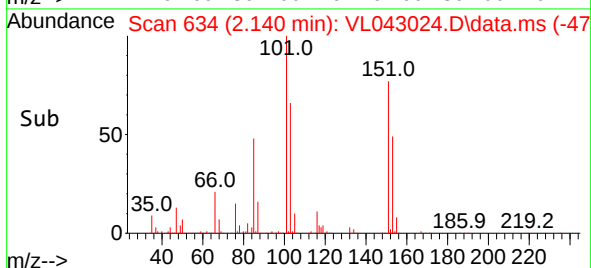
Reviewed By :Semsettin Yesilyurt 10/01/2025
 Supervised By :Mahesh Dadoda 10/03/2025

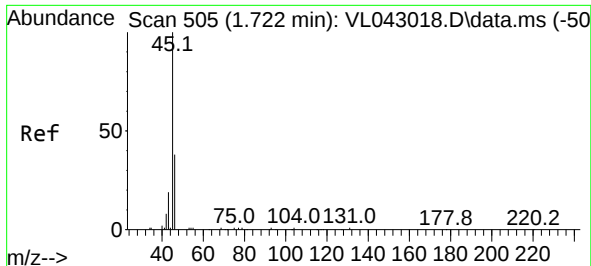


#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 14.781 ppbv
 RT: 2.140 min Scan# 634
 Delta R.T. 0.000 min
 Lab File: VL043024.D
 Acq: 30 Sep 2025 12:27



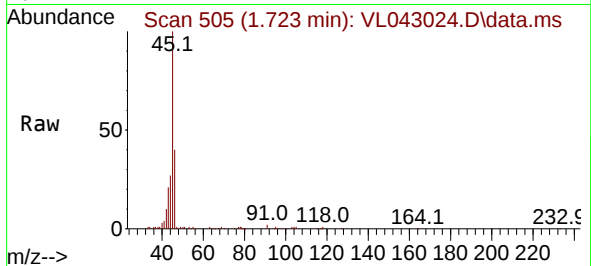
Tgt Ion:101 Resp: 284614
 Ion Ratio Lower Upper
 101 100
 151 75.9 60.2 90.4





#13
Ethanol
Concen: 15.133 ppbv
RT: 1.723 min Scan# 505
Delta R.T. 0.000 min
Lab File: VL043024.D
Acq: 30 Sep 2025 12:27

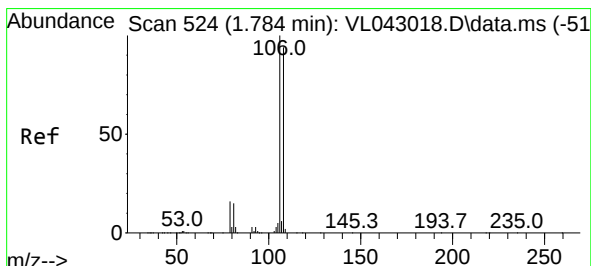
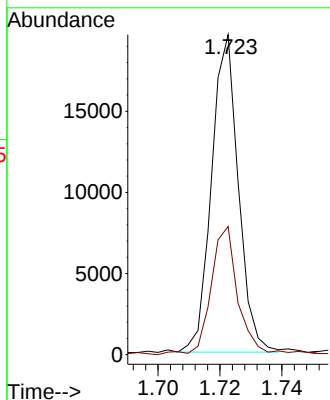
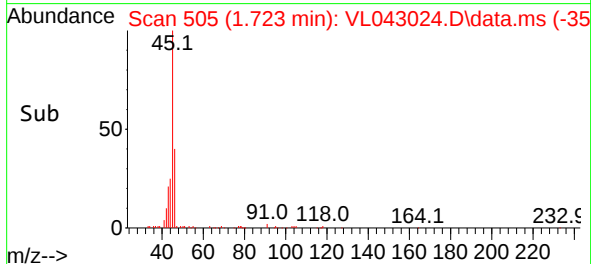
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



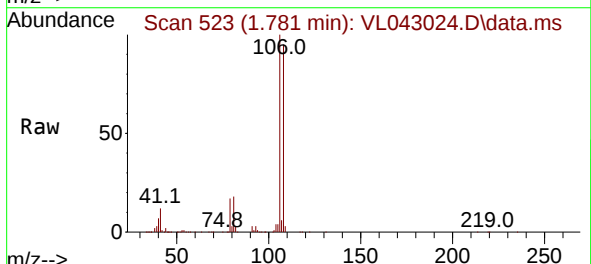
Tgt Ion: 45 Resp: 11760
Ion Ratio Lower Upper
45 100
46 42.1 16.2 64.8

Manual Integrations
APPROVED

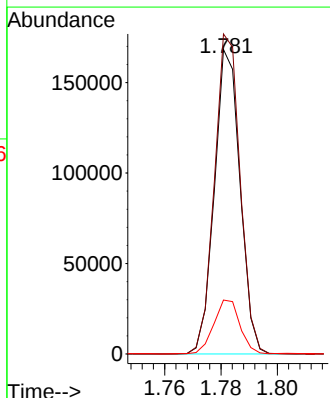
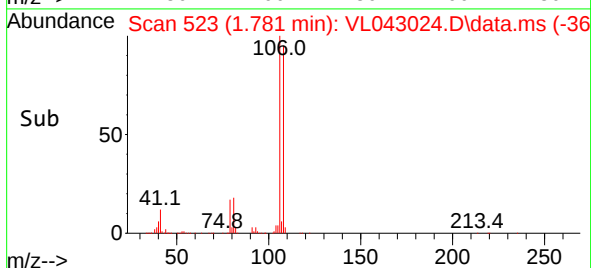
Reviewed By :Semsettin Yesilyurt 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

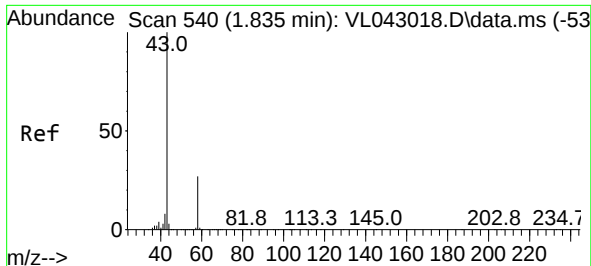


#14
Bromoethene
Concen: 14.826 ppbv
RT: 1.781 min Scan# 523
Delta R.T. -0.003 min
Lab File: VL043024.D
Acq: 30 Sep 2025 12:27



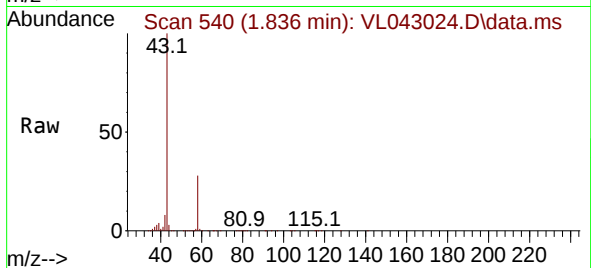
Tgt Ion:108 Resp: 106398
Ion Ratio Lower Upper
108 100
106 105.4 85.4 128.0
79 18.9 13.8 20.8





#15
Acetone
Concen: 12.589 ppbv
RT: 1.836 min Scan# 540
Delta R.T. 0.000 min
Lab File: VL043024.D
Acq: 30 Sep 2025 12:27

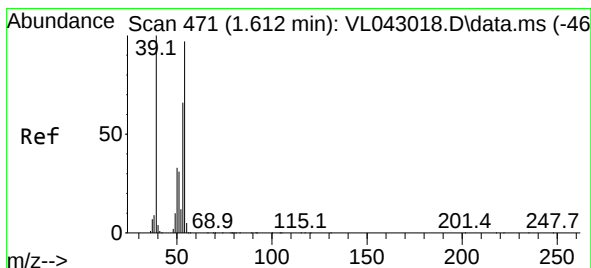
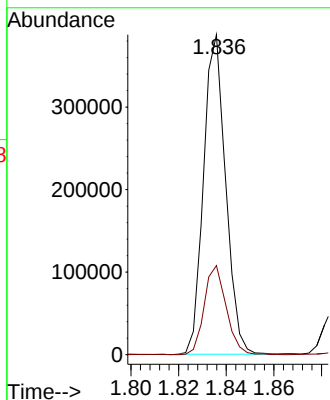
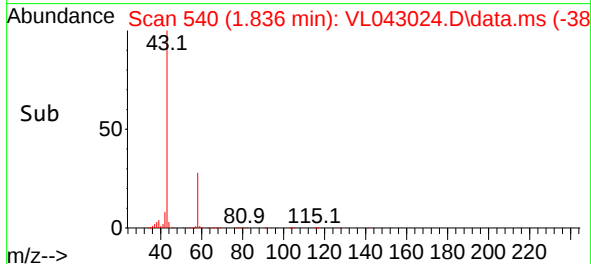
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015



Tgt Ion: 43 Resp: 250074
Ion Ratio Lower Upper
43 100
58 27.9 22.8 34.2

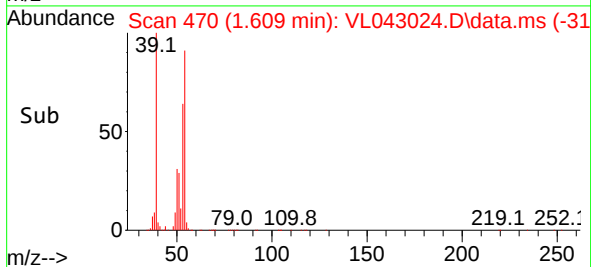
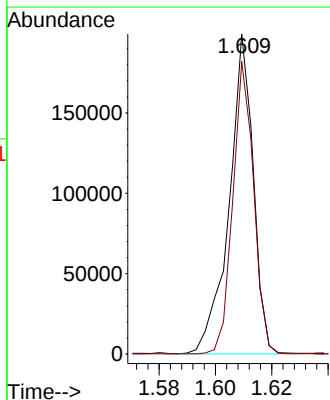
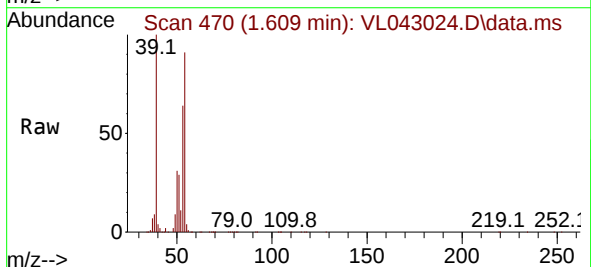
Manual Integrations
APPROVED

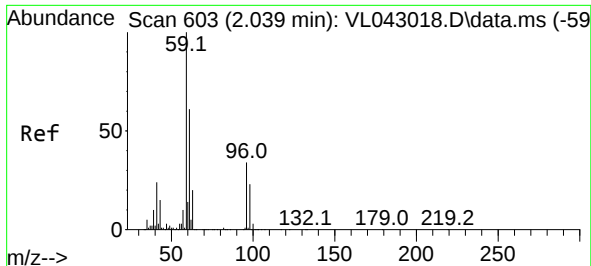
Reviewed By :Semsettin Yesilyurt 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025



#16
1,3-Butadiene
Concen: 14.096 ppbv
RT: 1.609 min Scan# 470
Delta R.T. -0.003 min
Lab File: VL043024.D
Acq: 30 Sep 2025 12:27

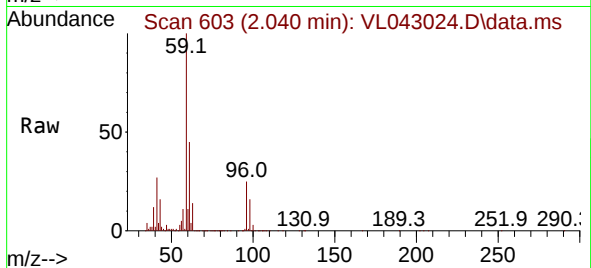
Tgt Ion: 39 Resp: 118543
Ion Ratio Lower Upper
39 100
54 79.0 65.4 98.2





#17
tert-Butyl alcohol
Concen: 13.564 ppbv
RT: 2.040 min Scan# 603
Delta R.T. 0.000 min
Lab File: VL043024.D
Acq: 30 Sep 2025 12:27

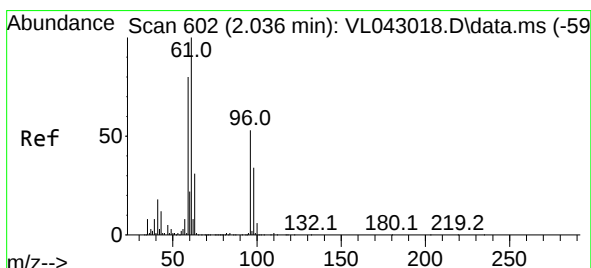
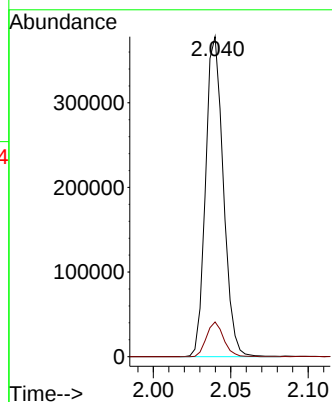
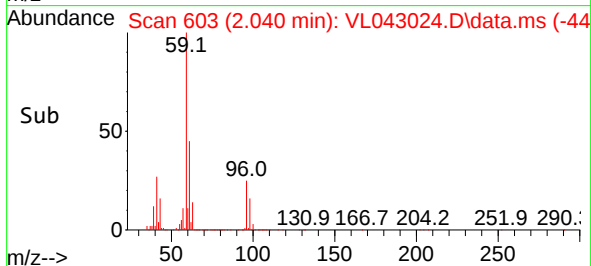
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



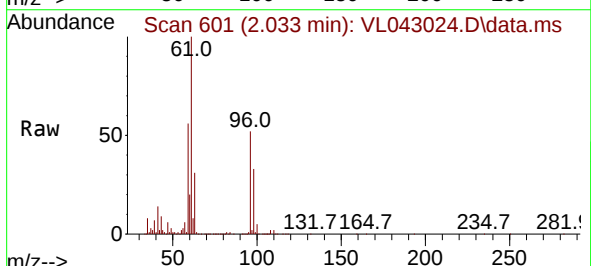
Tgt Ion: 59 Resp: 301080
Ion Ratio Lower Upper
59 100
57 10.5 8.4 12.6

Manual Integrations
APPROVED

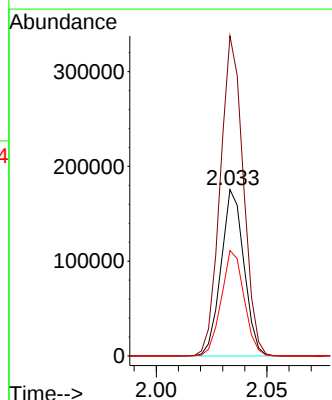
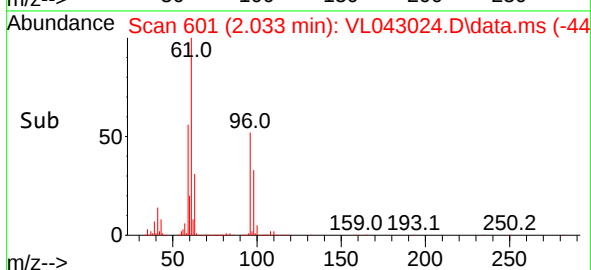
Reviewed By :Semsettin Yesilyurt 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

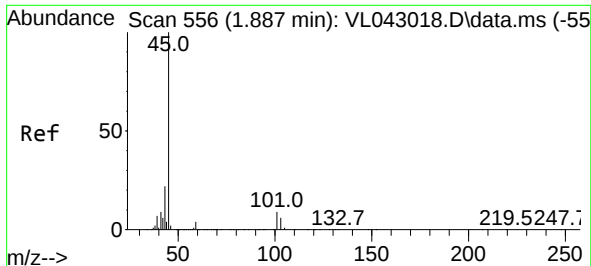


#18
1,1-Dichloroethene
Concen: 14.574 ppbv
RT: 2.033 min Scan# 601
Delta R.T. -0.003 min
Lab File: VL043024.D
Acq: 30 Sep 2025 12:27



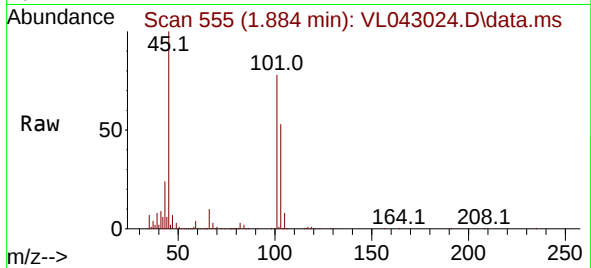
Tgt Ion: 96 Resp: 126213
Ion Ratio Lower Upper
96 100
61 192.3 151.4 227.0
98 63.4 51.5 77.3





#19
Isopropyl Alcohol
Concen: 13.586 ppbv
RT: 1.884 min Scan# 51
Delta R.T. -0.003 min
Lab File: VL043024.D
Acq: 30 Sep 2025 12:27

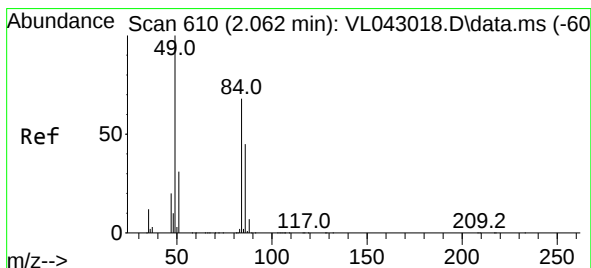
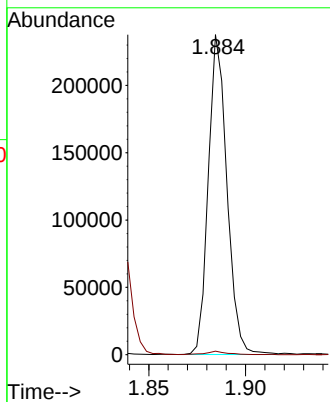
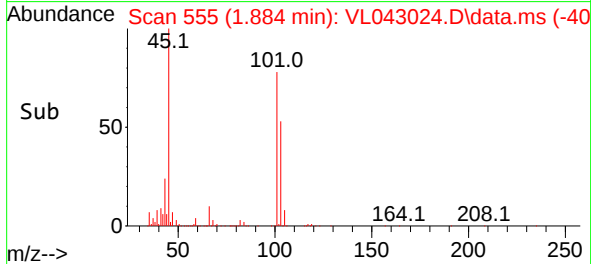
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



Tgt Ion: 45 Resp: 15871
Ion Ratio Lower Upper
45 100
58 43.9 33.9 50.9

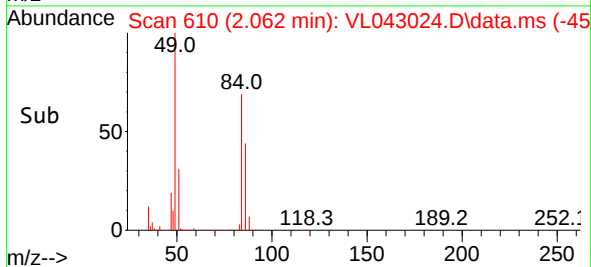
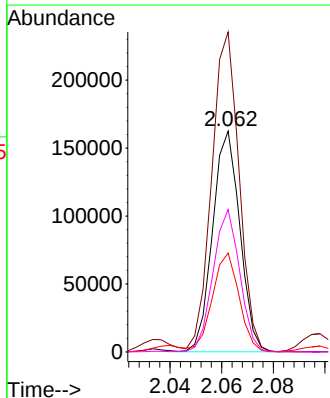
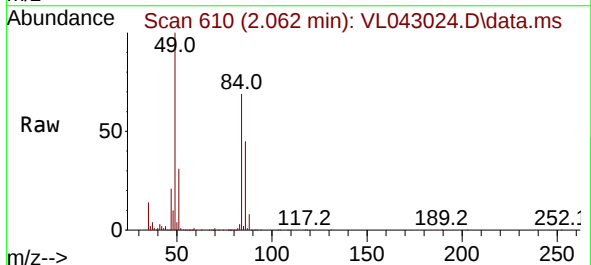
Manual Integrations
APPROVED

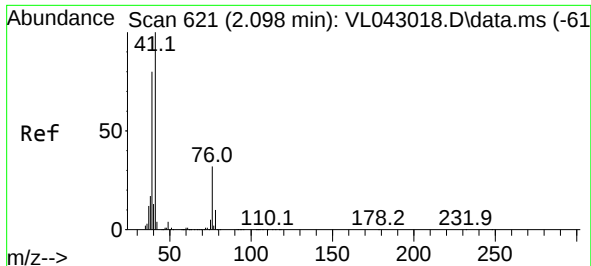
Reviewed By :Semsettin Yesilyurt 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025



#20
Methylene Chloride
Concen: 15.506 ppbv
RT: 2.062 min Scan# 610
Delta R.T. 0.000 min
Lab File: VL043024.D
Acq: 30 Sep 2025 12:27

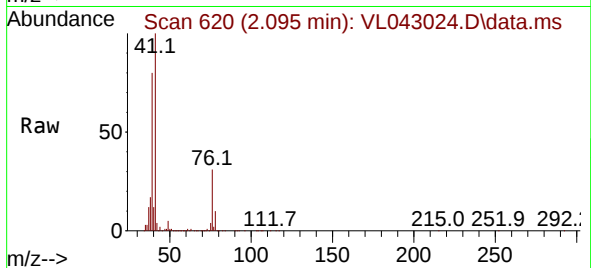
Tgt Ion: 84 Resp: 118891
Ion Ratio Lower Upper
84 100
49 144.9 117.4 176.2
51 44.6 37.4 56.0
86 64.5 52.6 79.0





#21
 Allyl Chloride
 Concen: 14.817 ppbv
 RT: 2.095 min Scan# 61
 Delta R.T. -0.003 min
 Lab File: VL043024.D
 Acq: 30 Sep 2025 12:27

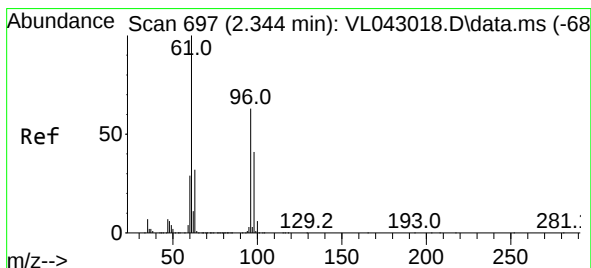
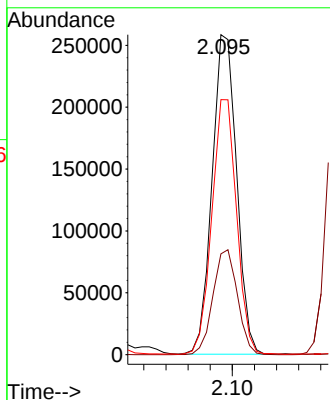
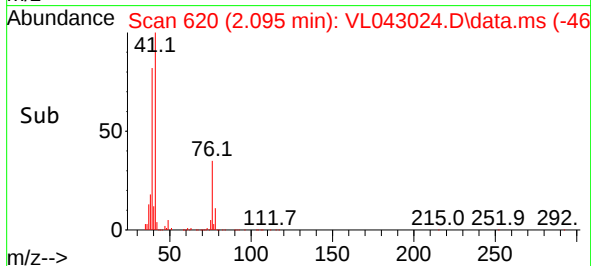
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015



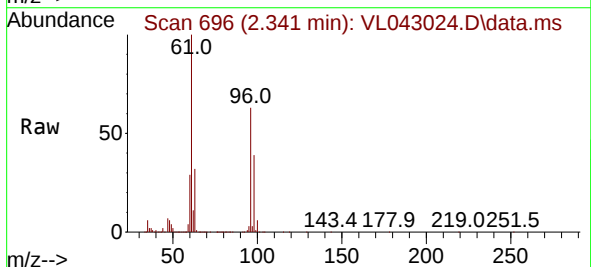
Tgt Ion: 41 Resp: 19914
 Ion Ratio Lower Upper
 41 100
 76 32.8 25.6 38.4
 39 80.2 62.6 94.0

Manual Integrations
 APPROVED

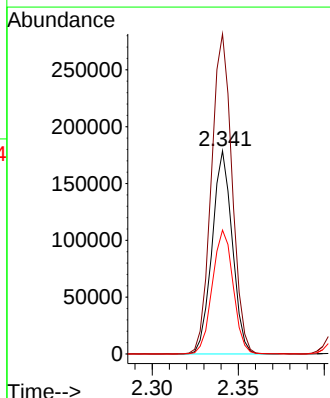
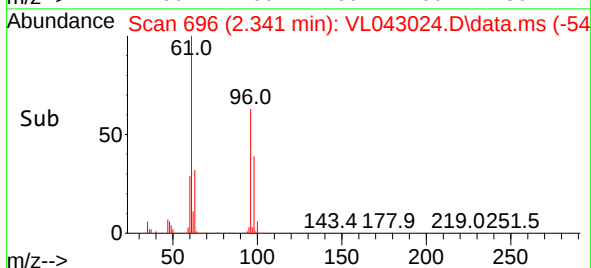
Reviewed By :Semsettin Yesilyurt 10/01/2025
 Supervised By :Mahesh Dadoda 10/03/2025

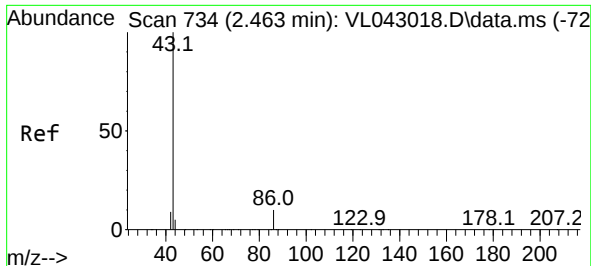


#22
 trans-1,2-Dichloroethene
 Concen: 14.851 ppbv
 RT: 2.341 min Scan# 696
 Delta R.T. -0.003 min
 Lab File: VL043024.D
 Acq: 30 Sep 2025 12:27



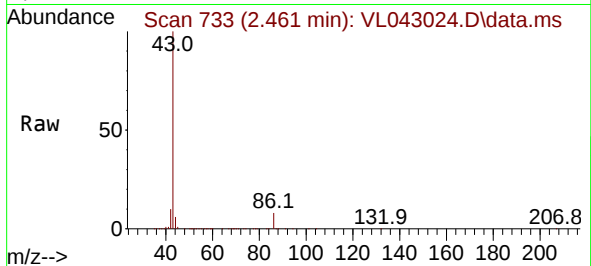
Tgt Ion: 96 Resp: 145595
 Ion Ratio Lower Upper
 96 100
 61 157.6 126.1 189.1
 98 61.0 51.3 76.9





#23
 Vinyl Acetate
 Concen: 15.228 ppbv
 RT: 2.461 min Scan# 717
 Delta R.T. -0.003 min
 Lab File: VL043024.D
 Acq: 30 Sep 2025 12:27

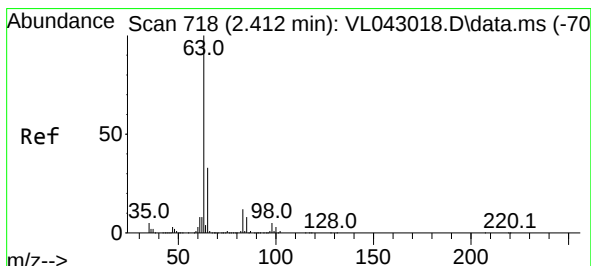
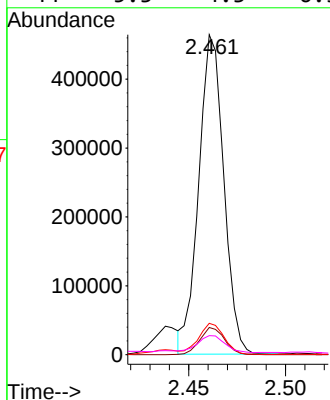
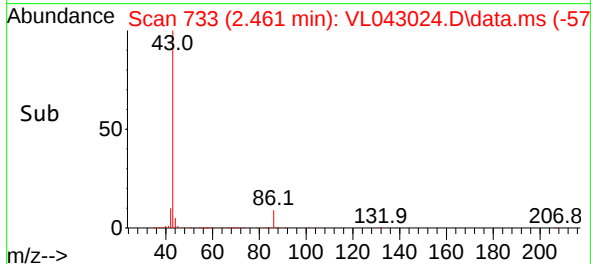
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015



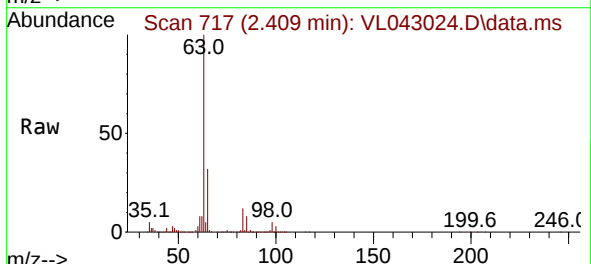
Tgt Ion: 43 Resp: 417914
 Ion Ratio Lower Upper
 43 100
 86 8.5 7.1 10.7
 42 9.7 7.9 11.9
 44 5.3 4.3 6.5

Manual Integrations
 APPROVED

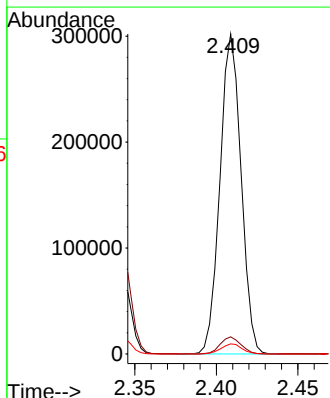
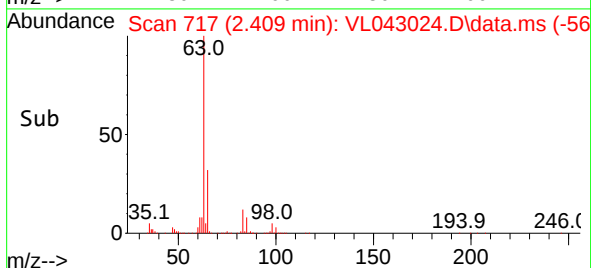
Reviewed By :Semsettin Yesilyurt 10/01/2025
 Supervised By :Mahesh Dadoda 10/03/2025

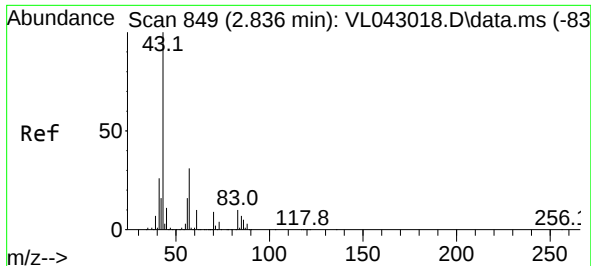


#24
 1,1-Dichloroethane
 Concen: 14.712 ppbv
 RT: 2.409 min Scan# 717
 Delta R.T. -0.003 min
 Lab File: VL043024.D
 Acq: 30 Sep 2025 12:27



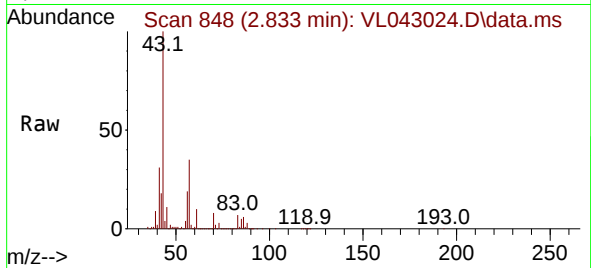
Tgt Ion: 63 Resp: 271460
 Ion Ratio Lower Upper
 63 100
 98 5.4 2.4 7.2
 100 3.1 1.6 4.8





#25
Ethyl Acetate
Concen: 14.019 ppbv
RT: 2.833 min Scan# 849
Delta R.T. -0.003 min
Lab File: VL043024.D
Acq: 30 Sep 2025 12:27

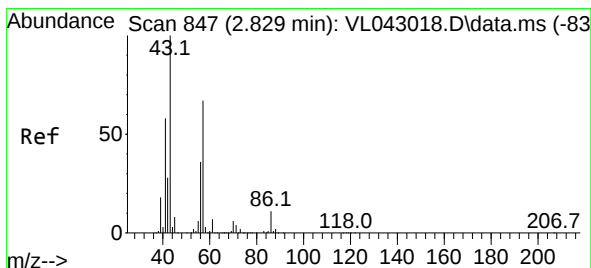
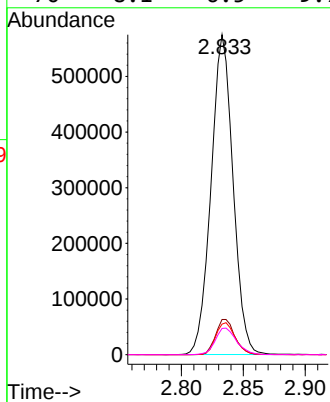
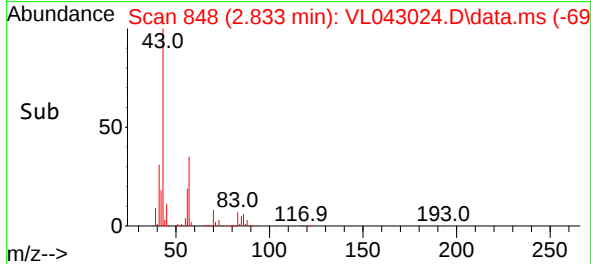
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015



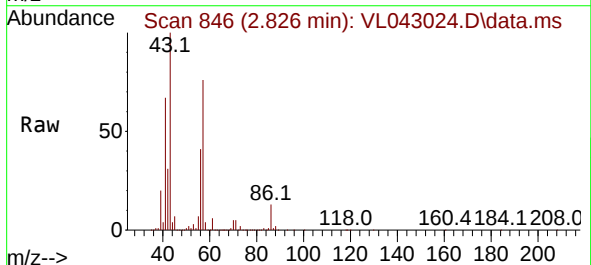
Tgt Ion: 43 Resp: 710402
Ion Ratio Lower Upper
43 100
45 9.8 7.8 11.6
61 8.9 7.0 10.4
70 8.1 6.5 9.7

Manual Integrations
APPROVED

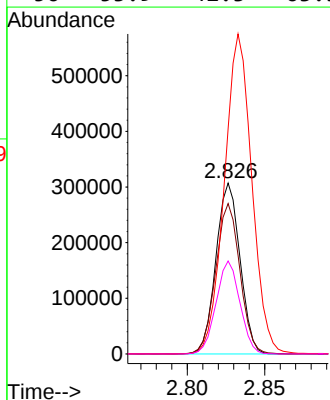
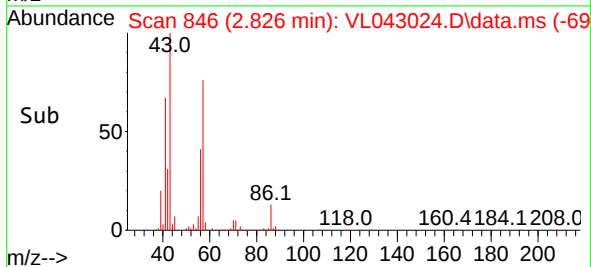
Reviewed By :Semsettin Yesilyurt 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

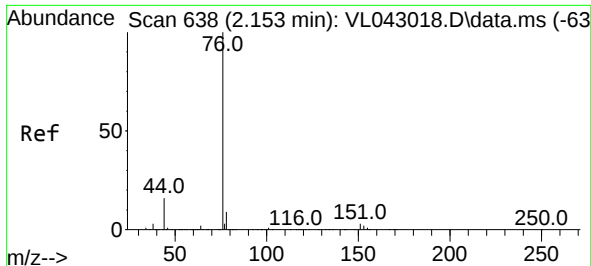


#26
Hexane
Concen: 12.557 ppbv
RT: 2.826 min Scan# 846
Delta R.T. -0.003 min
Lab File: VL043024.D
Acq: 30 Sep 2025 12:27



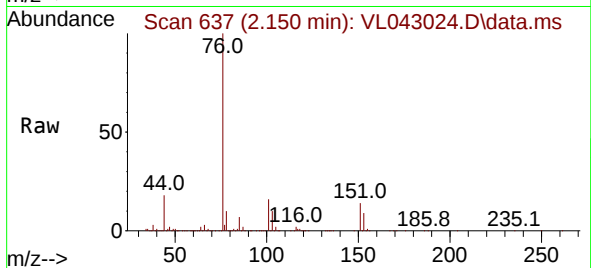
Tgt Ion: 57 Resp: 330936
Ion Ratio Lower Upper
57 100
41 89.5 70.3 105.5
43 215.1 172.1 258.1
56 53.9 42.3 63.5





#27
Carbon Disulfide
Concen: 14.732 ppbv
RT: 2.150 min Scan# 61
Delta R.T. -0.003 min
Lab File: VL043024.D
Acq: 30 Sep 2025 12:27

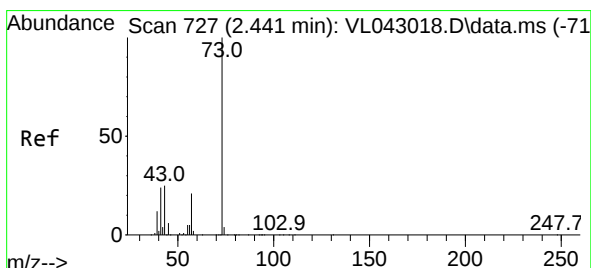
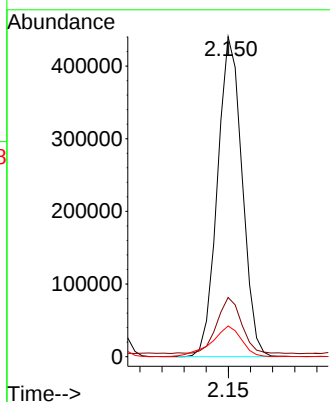
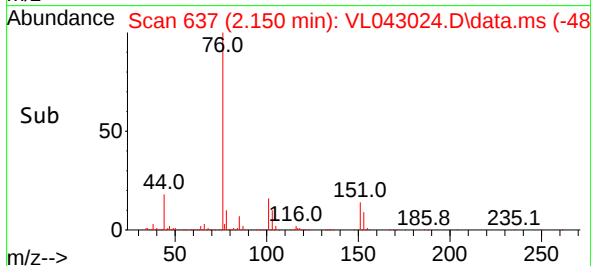
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



Tgt Ion: 76 Resp: 341474
Ion Ratio Lower Upper
76 100
44 17.5 14.6 21.8
78 11.6 9.4 14.2

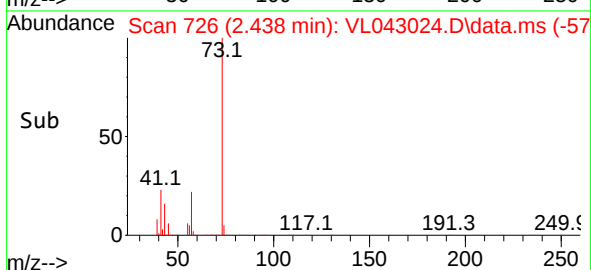
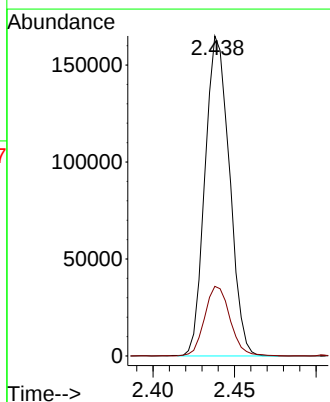
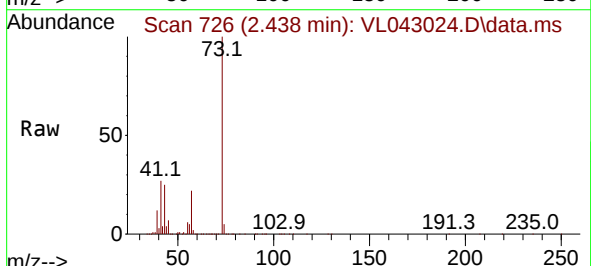
Manual Integrations
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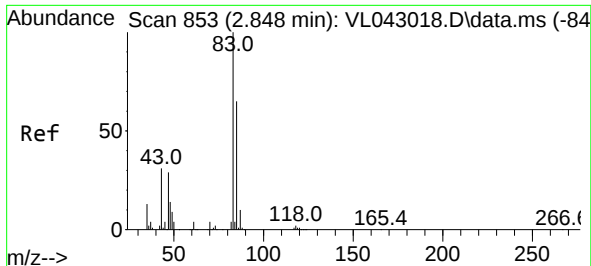
Reviewed By :Semsettin Yesilyurt 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025



#28
Methyl tert-Butyl Ether
Concen: 13.345 ppbv
RT: 2.438 min Scan# 726
Delta R.T. -0.003 min
Lab File: VL043024.D
Acq: 30 Sep 2025 12:27

Tgt Ion: 73 Resp: 172162
Ion Ratio Lower Upper
73 100
57 22.6 17.7 26.5





#29

Chloroform

Concen: 15.019 ppbv

RT: 2.849 min Scan# 81

Delta R.T. 0.000 min

Lab File: VL043024.D

Acq: 30 Sep 2025 12:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tgt Ion: 83 Resp: 49255

Ion Ratio Lower Upper

83 100

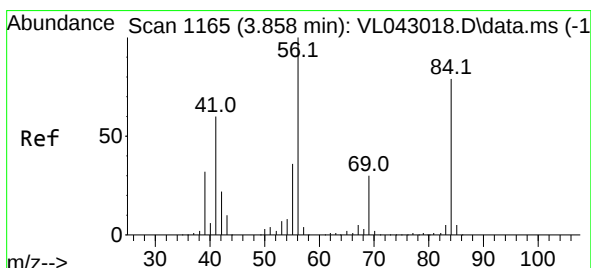
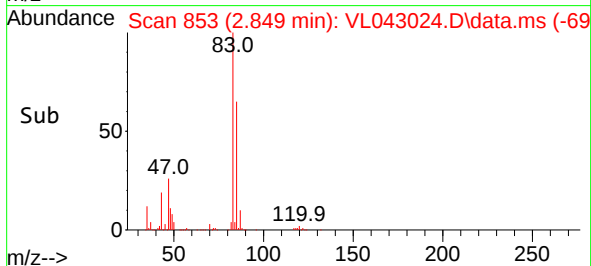
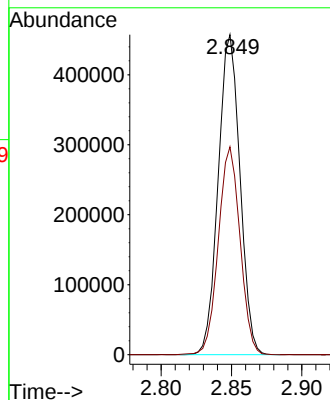
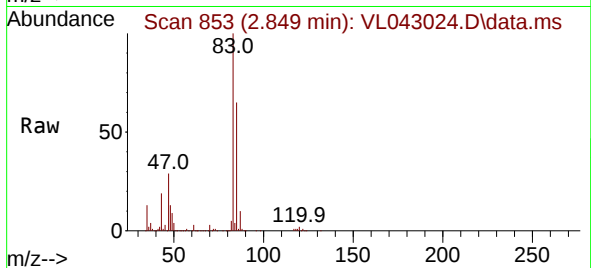
85 64.9 51.7 77.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/01/2025

Supervised By :Mahesh Dadoda 10/03/2025



#30

Cyclohexane

Concen: 15.442 ppbv

RT: 3.856 min Scan# 1164

Delta R.T. -0.003 min

Lab File: VL043024.D

Acq: 30 Sep 2025 12:27

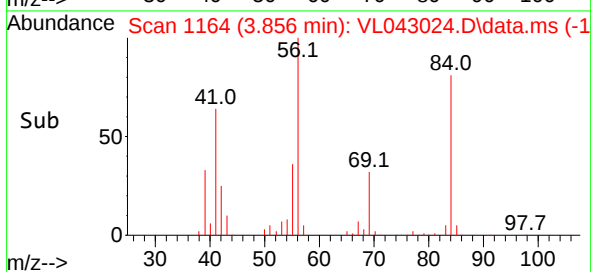
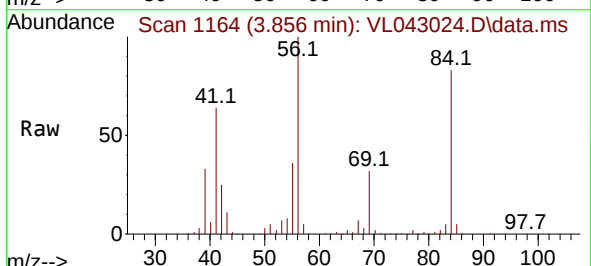
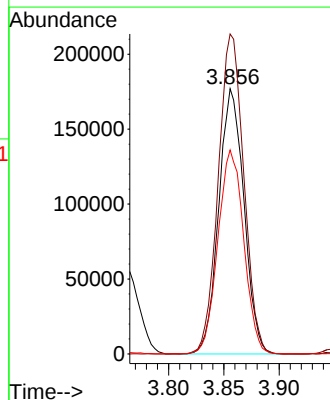
Tgt Ion: 84 Resp: 280306

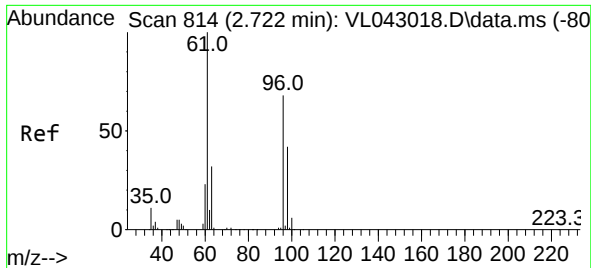
Ion Ratio Lower Upper

84 100

56 122.3 97.3 145.9

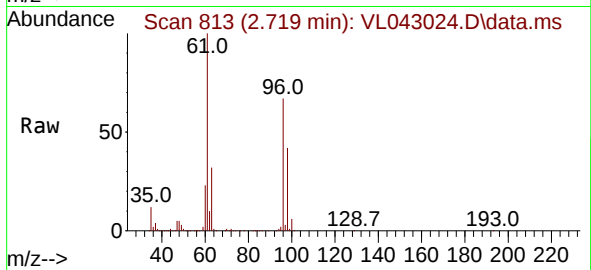
41 78.7 62.6 93.8





#31
 cis-1,2-Dichloroethene
 Concen: 15.339 ppbv
 RT: 2.719 min Scan# 814
 Delta R.T. -0.003 min
 Lab File: VL043024.D
 Acq: 30 Sep 2025 12:27

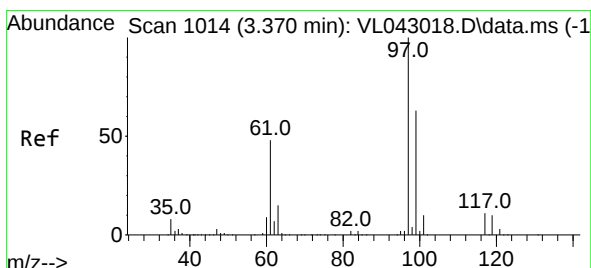
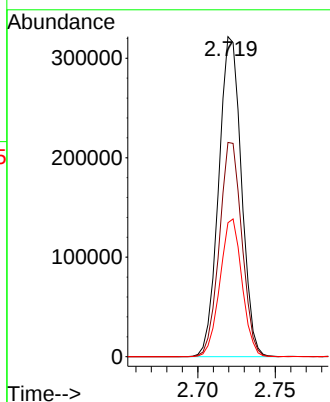
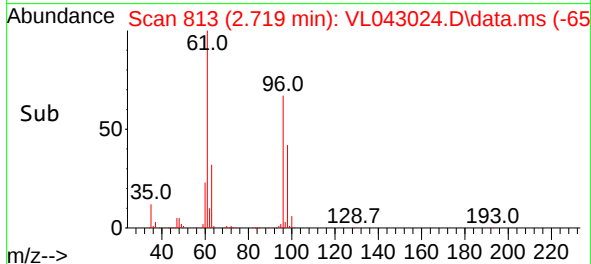
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015



Tgt Ion: 61 Resp: 328232
 Ion Ratio Lower Upper
 61 100
 96 66.9 54.4 81.6
 98 41.9 33.7 50.5

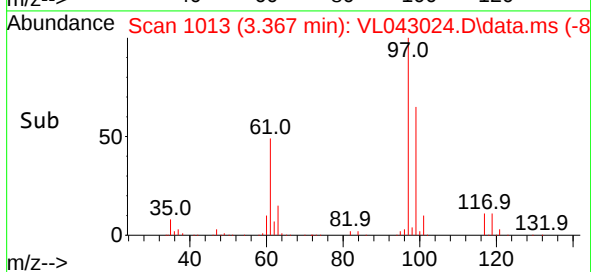
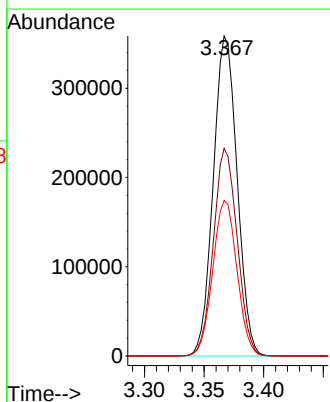
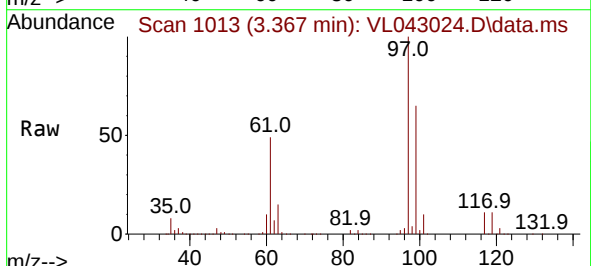
Manual Integrations
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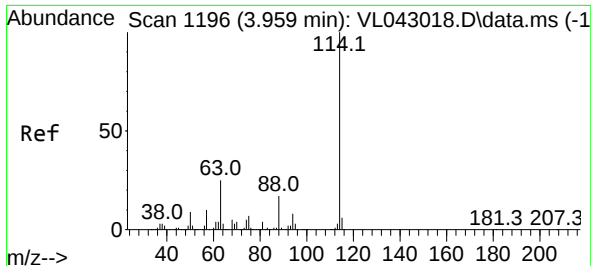
Reviewed By :Semsettin Yesilyurt 10/01/2025
 Supervised By :Mahesh Dadoda 10/03/2025



#32
 1,1,1-Trichloroethane
 Concen: 15.026 ppbv
 RT: 3.367 min Scan# 1013
 Delta R.T. -0.003 min
 Lab File: VL043024.D
 Acq: 30 Sep 2025 12:27

Tgt Ion: 97 Resp: 499172
 Ion Ratio Lower Upper
 97 100
 99 64.7 51.4 77.0
 61 49.3 38.8 58.2





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.956 min Scan# 1195

Delta R.T. -0.003 min

Lab File: VL043024.D

Acq: 30 Sep 2025 12:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC015

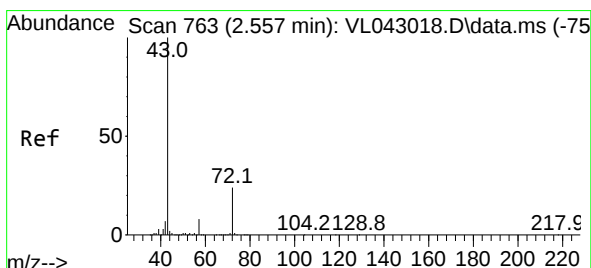
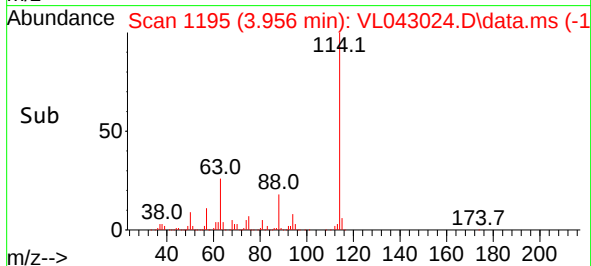
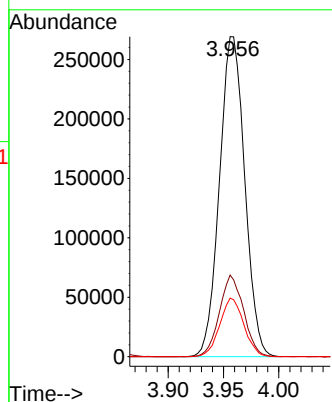
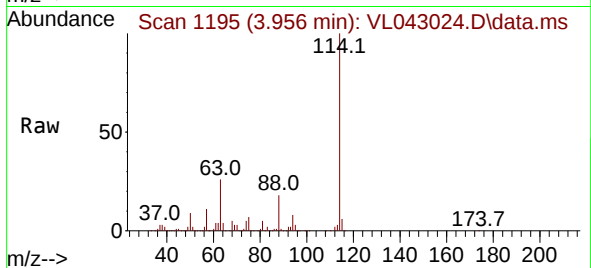
Tgt Ion:114 Resp: 42792

Ion	Ratio	Lower	Upper
114	100		
63	24.4	19.7	29.5
88	17.4	13.8	20.6

Manual Integrations

APPROVED

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



#34

2-Butanone

Concen: 15.216 ppbv

RT: 2.554 min Scan# 762

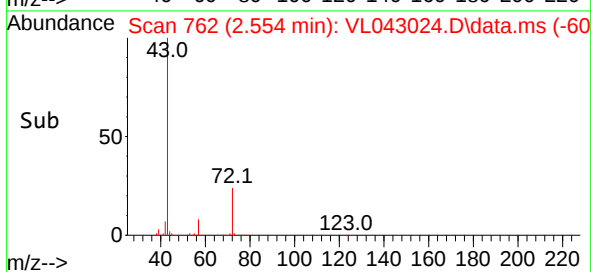
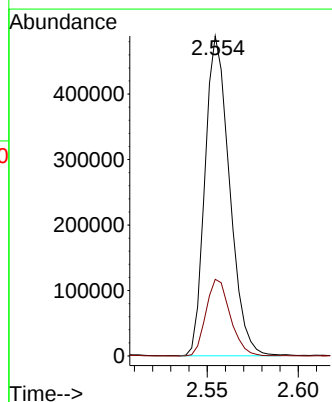
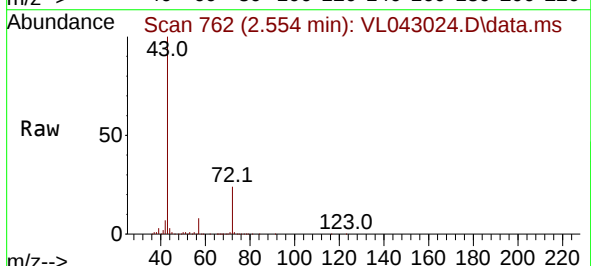
Delta R.T. -0.003 min

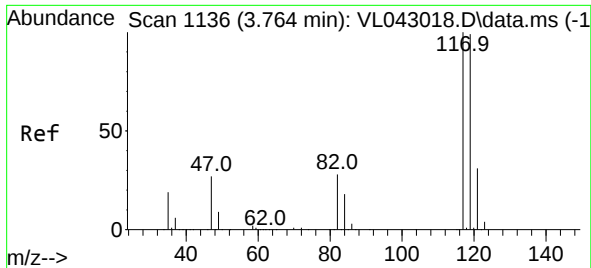
Lab File: VL043024.D

Acq: 30 Sep 2025 12:27

Tgt Ion: 43 Resp: 458457

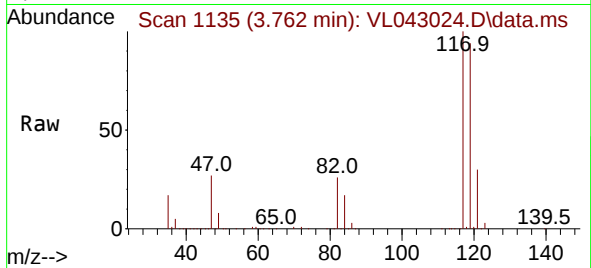
Ion	Ratio	Lower	Upper
43	100		
72	23.9	18.7	28.1





#35
Carbon Tetrachloride
Concen: 15.063 ppbv
RT: 3.762 min Scan# 1135
Delta R.T. -0.003 min
Lab File: VL043024.D
Acq: 30 Sep 2025 12:27

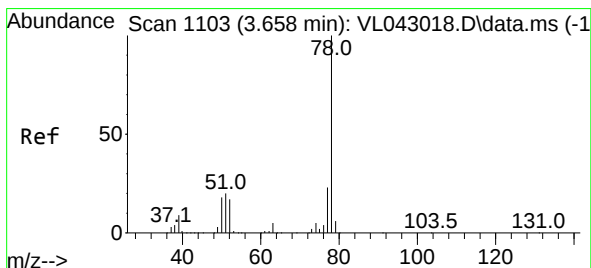
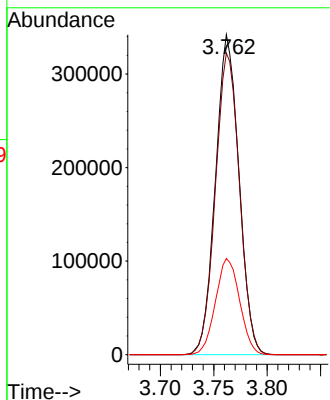
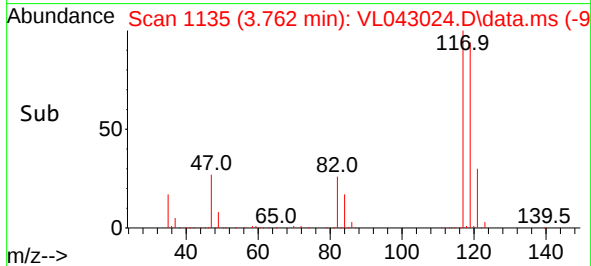
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



Tgt Ion: 117 Resp: 52308
Ion Ratio Lower Upper
117 100
119 94.3 79.1 118.7
121 30.1 24.5 36.7

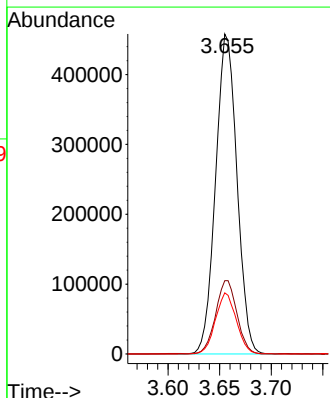
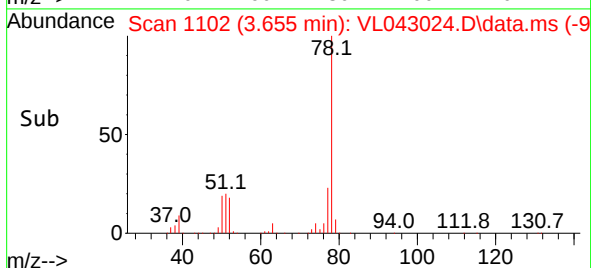
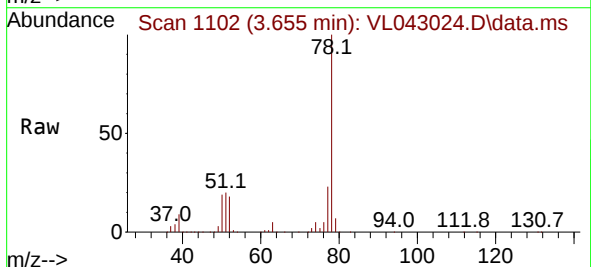
Manual Integrations
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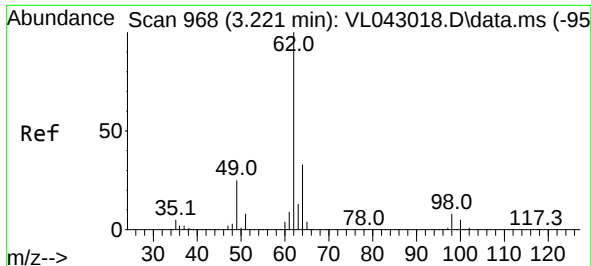
Reviewed By :Semsettin Yesilyurt 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025



#36
Benzene
Concen: 15.369 ppbv
RT: 3.655 min Scan# 1102
Delta R.T. -0.003 min
Lab File: VL043024.D
Acq: 30 Sep 2025 12:27

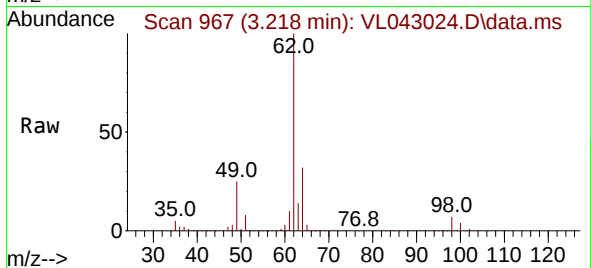
Tgt Ion: 78 Resp: 659167
Ion Ratio Lower Upper
78 100
77 22.9 18.8 28.2
50 19.1 14.5 21.7





#37
1,2-Dichloroethane
Concen: 15.474 ppbv
RT: 3.218 min Scan# 967
Delta R.T. -0.003 min
Lab File: VL043024.D
Acq: 30 Sep 2025 12:27

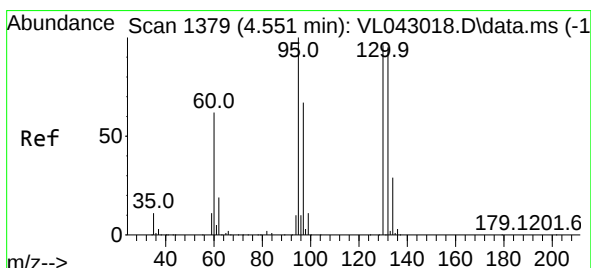
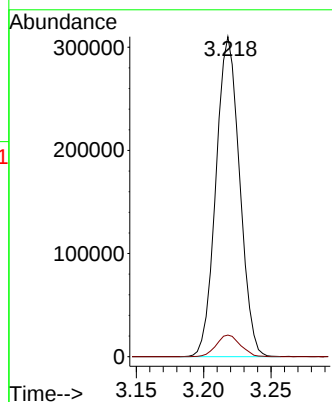
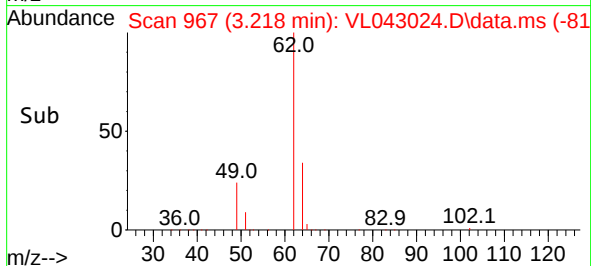
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



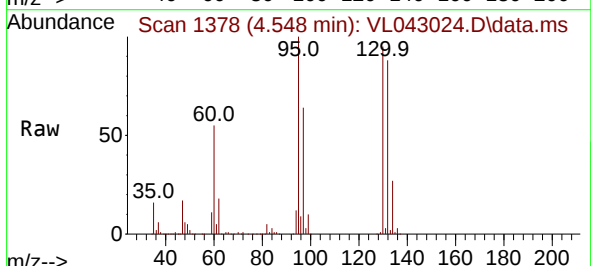
Tgt Ion: 62 Resp: 37920
Ion Ratio Lower Upper
62 100
98 6.9 5.7 8.5

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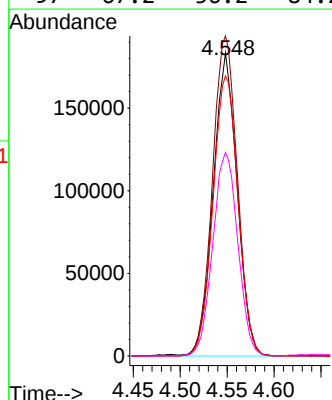
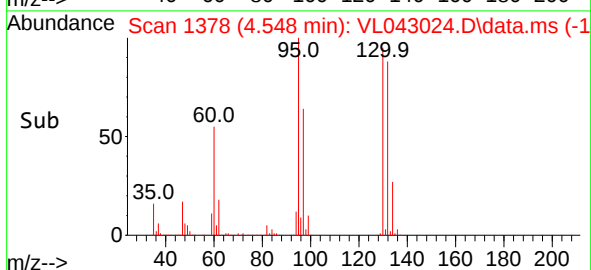
Reviewed By :Semsettin Yesilyurt 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

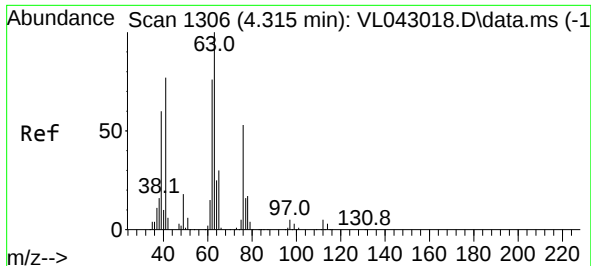


#38
Trichloroethene
Concen: 14.788 ppbv
RT: 4.548 min Scan# 1378
Delta R.T. -0.003 min
Lab File: VL043024.D
Acq: 30 Sep 2025 12:27



Tgt Ion:130 Resp: 325016
Ion Ratio Lower Upper
130 100
95 105.5 83.4 125.0
132 92.5 79.0 118.4
97 67.2 56.2 84.2





#39

1,2-Dichloropropane

Concen: 15.296 ppbv

RT: 4.312 min Scan# 1

Delta R.T. -0.003 min

Lab File: VL043024.D

Acq: 30 Sep 2025 12:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tgt Ion: 63 Resp: 24088

Ion Ratio Lower Upper

63 100

41 76.2 62.3 93.5

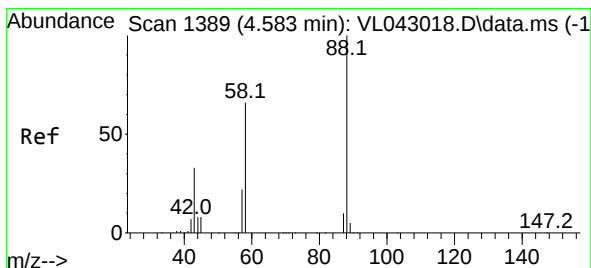
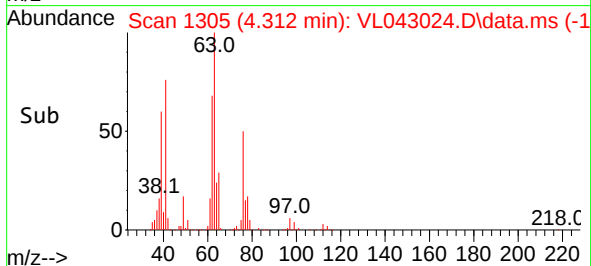
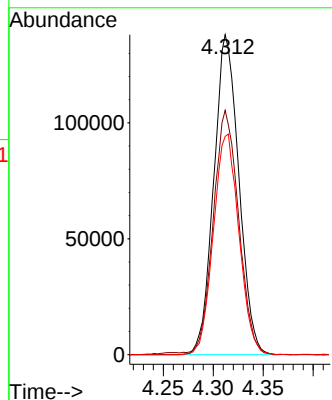
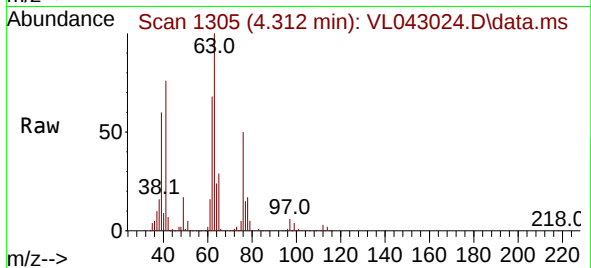
62 68.1 60.5 90.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/01/2025

Supervised By :Mahesh Dadoda 10/03/2025



#40

1,4-Dioxane

Concen: 15.863 ppbv

RT: 4.574 min Scan# 1386

Delta R.T. -0.009 min

Lab File: VL043024.D

Acq: 30 Sep 2025 12:27

Tgt Ion: 88 Resp: 105958

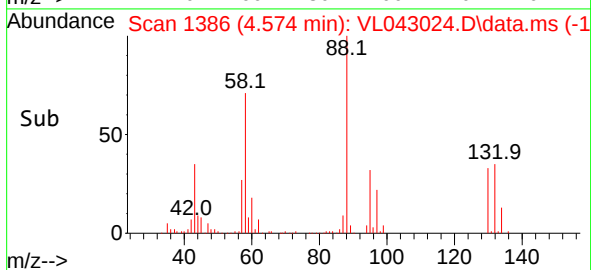
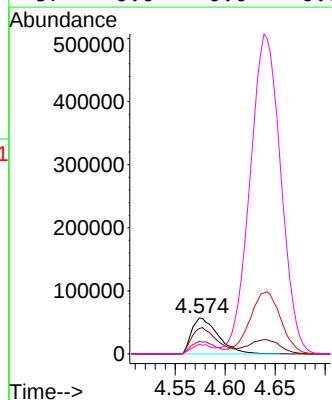
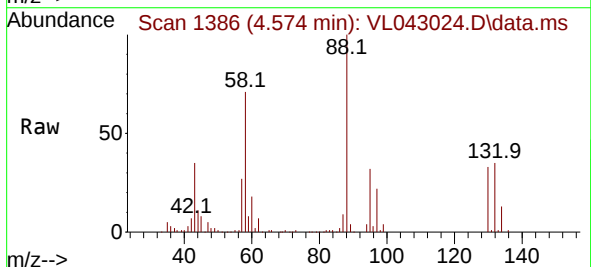
Ion Ratio Lower Upper

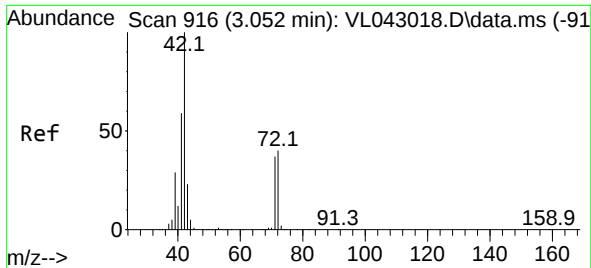
88 100

58 71.2 59.3 88.9

43 33.9 24.3 36.5

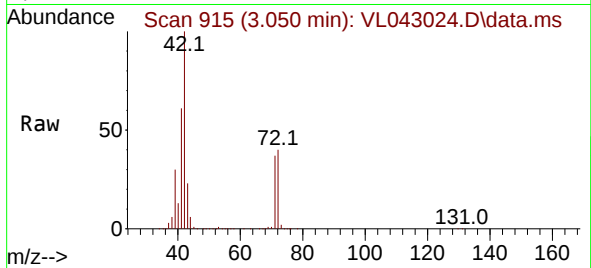
57 0.0 0.0 0.0





#41
Tetrahydrofuran
Concen: 16.008 ppbv
RT: 3.050 min Scan# 916
Delta R.T. -0.003 min
Lab File: VL043024.D
Acq: 30 Sep 2025 12:27

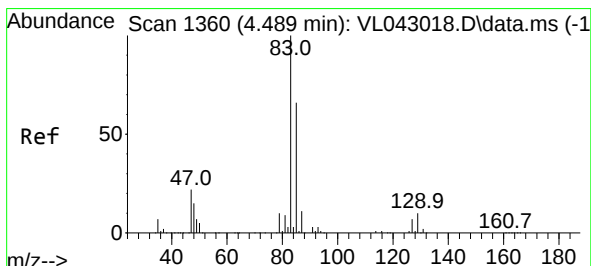
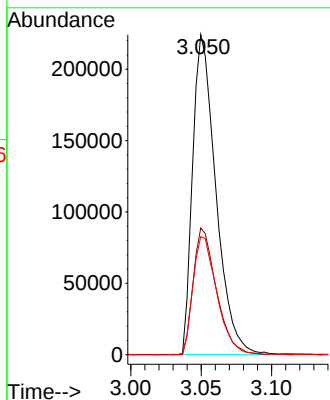
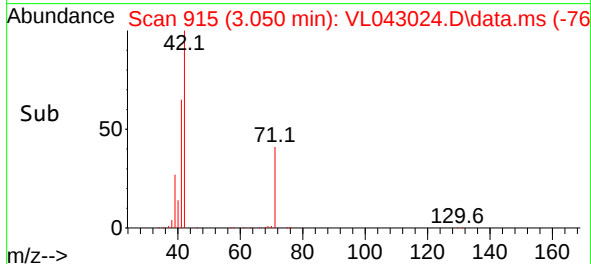
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



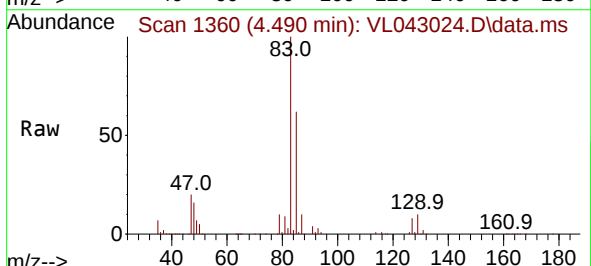
Tgt Ion: 42 Resp: 256860
Ion Ratio Lower Upper
42 100
72 39.5 31.6 47.4
71 38.0 30.4 45.6

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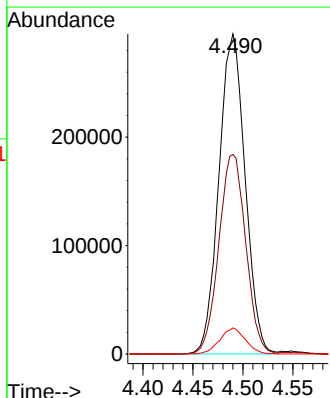
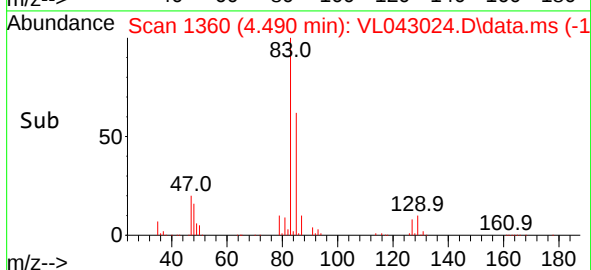
Reviewed By :Semsettin Yesilyurt 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

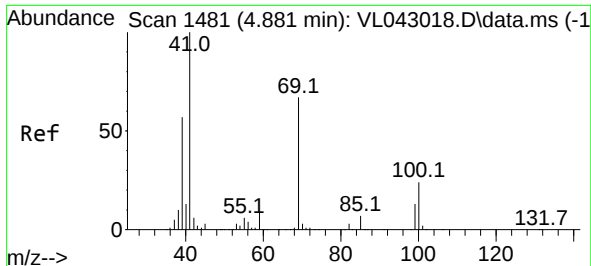


#42
Bromodichloromethane
Concen: 15.833 ppbv
RT: 4.490 min Scan# 1360
Delta R.T. 0.000 min
Lab File: VL043024.D
Acq: 30 Sep 2025 12:27



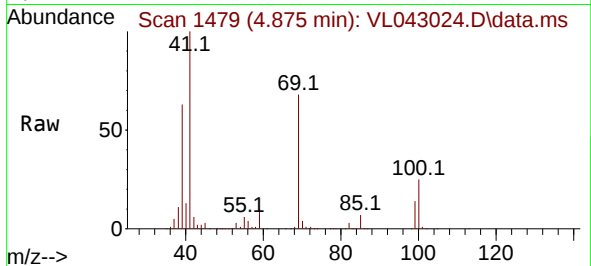
Tgt Ion: 83 Resp: 539023
Ion Ratio Lower Upper
83 100
85 62.3 52.6 78.8
127 8.2 5.7 8.5





#43
Methyl Methacrylate
Concen: 16.869 ppbv
RT: 4.875 min Scan# 1479
Delta R.T. -0.006 min
Lab File: VL043024.D
Acq: 30 Sep 2025 12:27

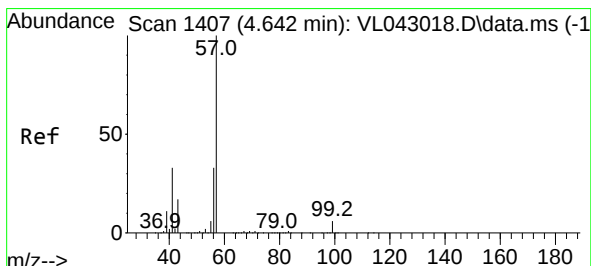
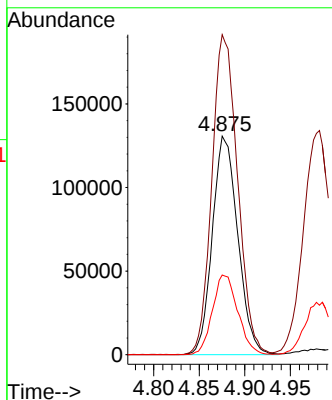
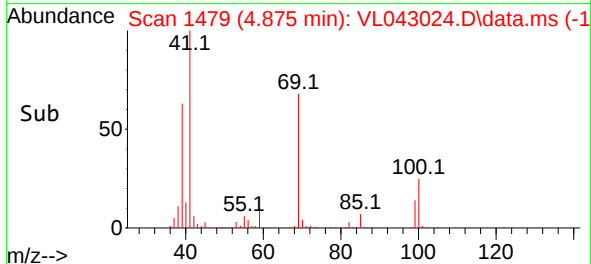
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015



Tgt Ion: 69 Resp: 254204
Ion Ratio Lower Upper
69 100
41 147.8 117.6 176.4
100 36.4 29.0 43.6

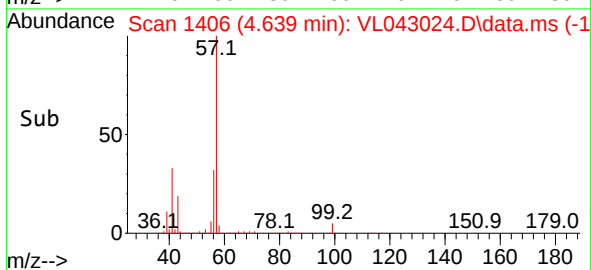
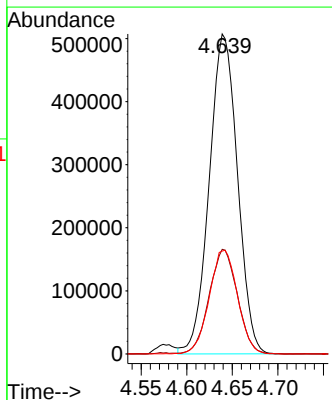
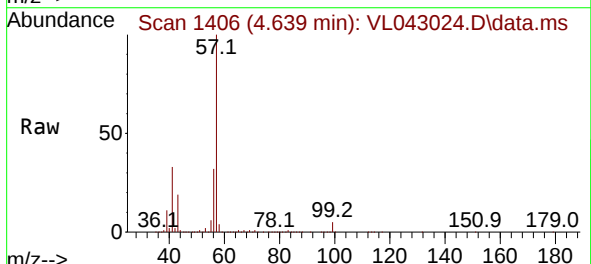
Manual Integrations
APPROVED

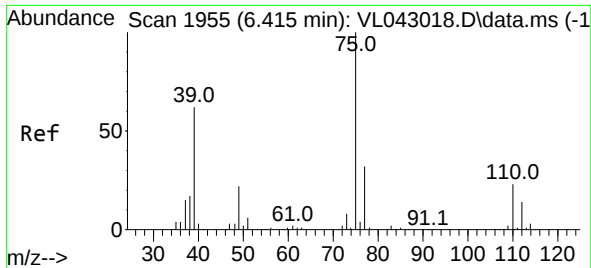
Reviewed By :Semsettin Yesilyurt 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025



#44
2,2,4-Trimethylpentane
Concen: 15.492 ppbv
RT: 4.639 min Scan# 1406
Delta R.T. -0.003 min
Lab File: VL043024.D
Acq: 30 Sep 2025 12:27

Tgt Ion: 57 Resp: 1093087
Ion Ratio Lower Upper
57 100
41 32.9 26.2 39.2
56 32.6 25.9 38.9





#45

t-1,3-Dichloropropene

Concen: 16.784 ppbv

RT: 6.412 min Scan# 1955

Delta R.T. -0.003 min

Lab File: VL043024.D

Acq: 30 Sep 2025 12:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tgt Ion: 75 Resp: 28758

Ion Ratio Lower Upper

75 100

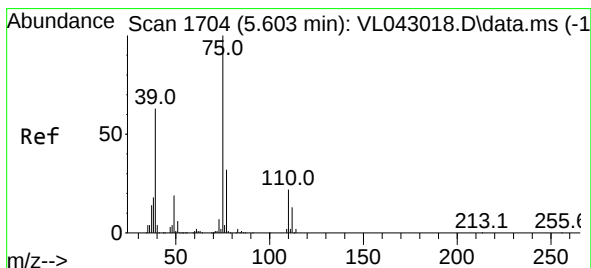
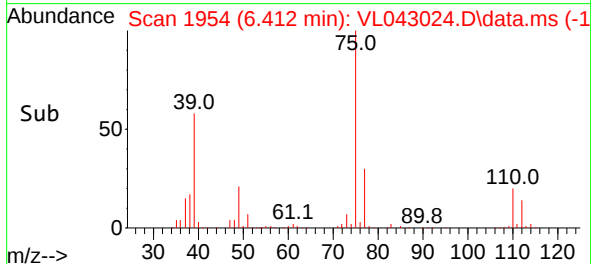
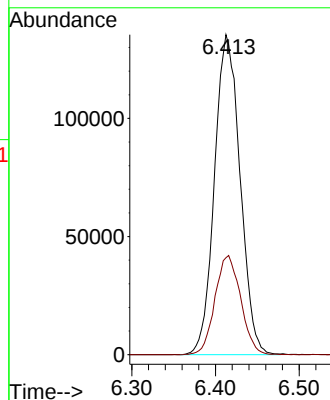
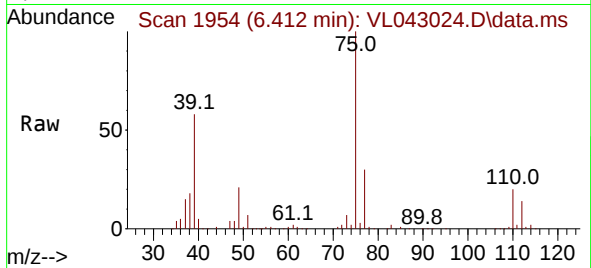
77 30.3 25.8 38.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/01/2025

Supervised By :Mahesh Dadoda 10/03/2025



#46

cis-1,3-Dichloropropene

Concen: 16.398 ppbv

RT: 5.597 min Scan# 1702

Delta R.T. -0.006 min

Lab File: VL043024.D

Acq: 30 Sep 2025 12:27

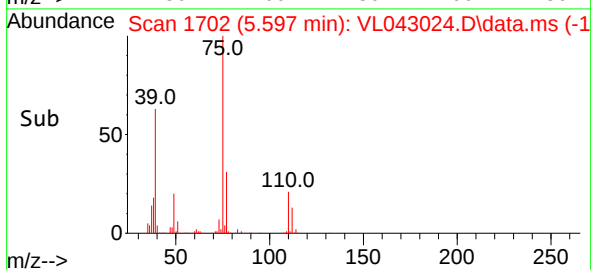
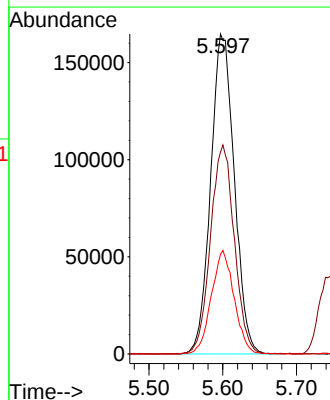
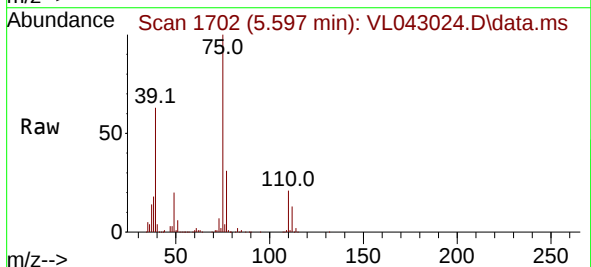
Tgt Ion: 75 Resp: 366508

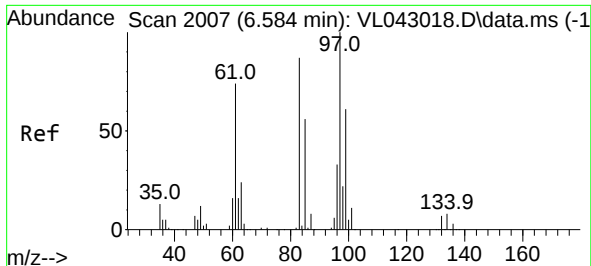
Ion Ratio Lower Upper

75 100

39 63.1 50.2 75.2

77 31.1 25.4 38.0





#47
1,1,2-Trichloroethane
Concen: 15.709 ppbv
RT: 6.581 min Scan# 2006
Delta R.T. -0.003 min
Lab File: VL043024.D
Acq: 30 Sep 2025 12:27

Instrument :

MSVOA_L

ClientSampleId :

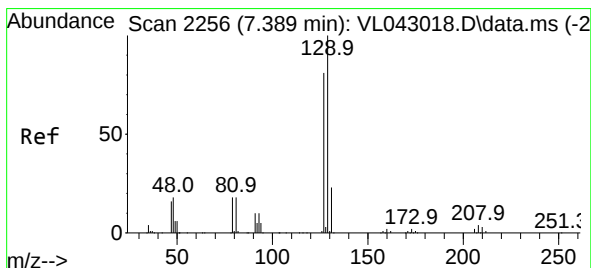
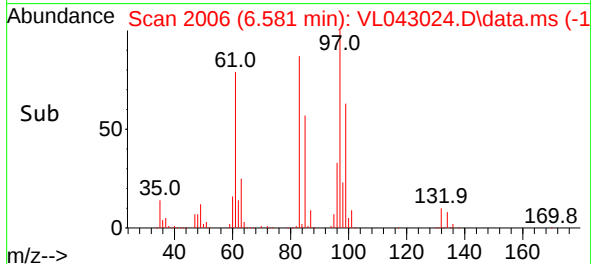
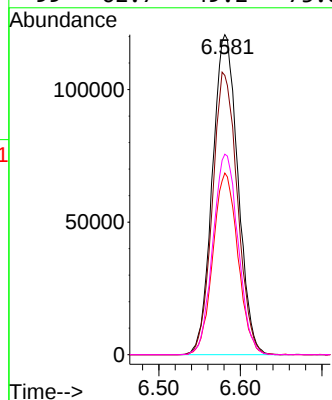
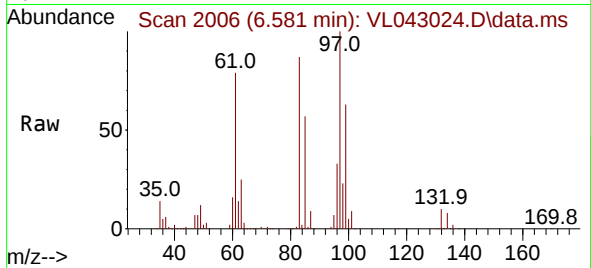
VSTDIC015

Tgt Ion: 97 Resp: 26242
Ion Ratio Lower Upper
97 100
83 87.3 69.6 104.4
85 56.7 44.6 66.8
99 62.7 49.2 73.8

Manual Integrations

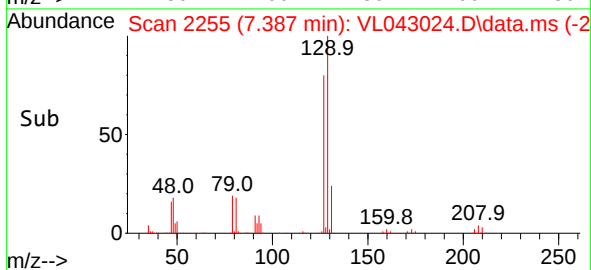
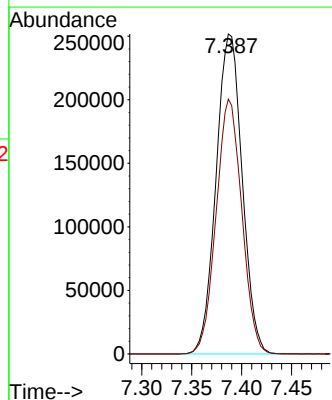
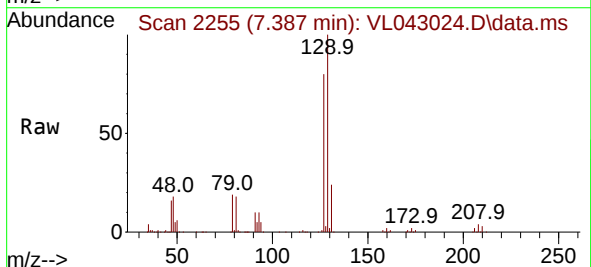
APPROVED

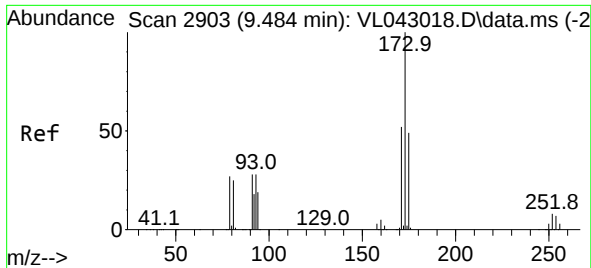
Reviewed By :Semsettin Yesilyurt 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025



#48
Dibromochloromethane
Concen: 15.925 ppbv
RT: 7.387 min Scan# 2255
Delta R.T. -0.003 min
Lab File: VL043024.D
Acq: 30 Sep 2025 12:27

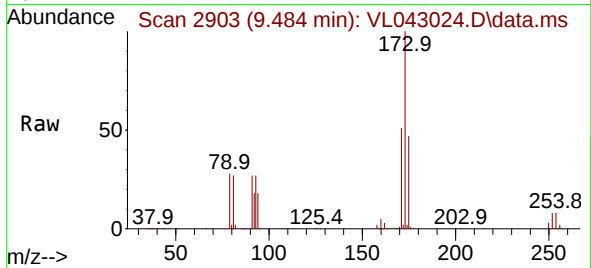
Tgt Ion:129 Resp: 458578
Ion Ratio Lower Upper
129 100
127 78.2 38.6 116.0





#49
Bromoform
Concen: 16.518 ppbv
RT: 9.484 min Scan# 2903
Delta R.T. 0.000 min
Lab File: VL043024.D
Acq: 30 Sep 2025 12:27

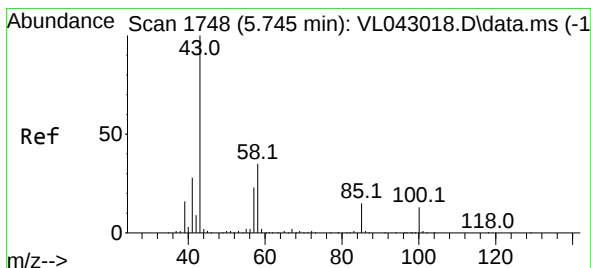
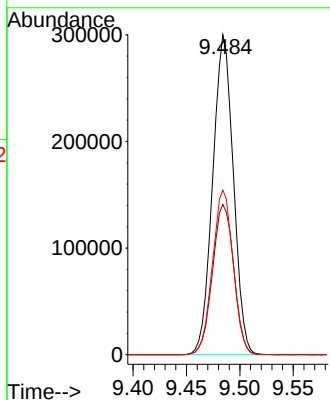
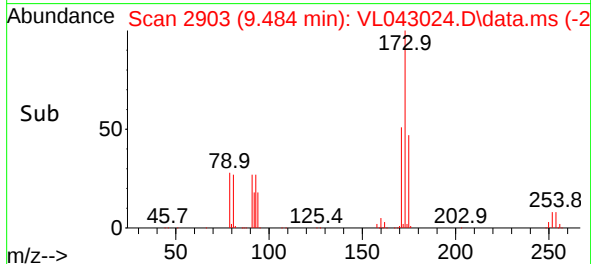
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



Tgt Ion:173 Resp: 403628
Ion Ratio Lower Upper
173 100
175 48.3 39.1 58.7
171 51.6 41.4 62.0

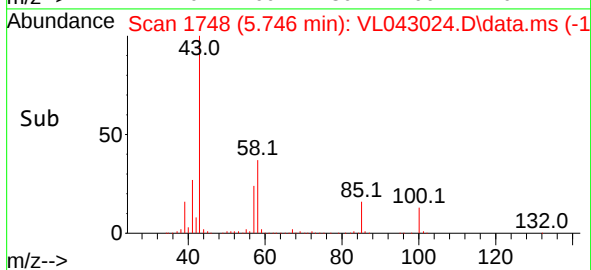
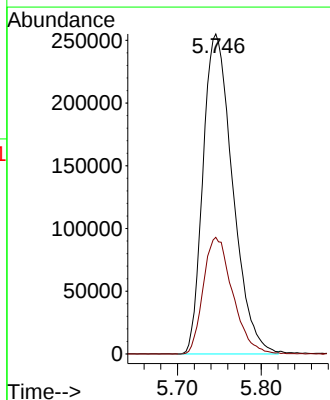
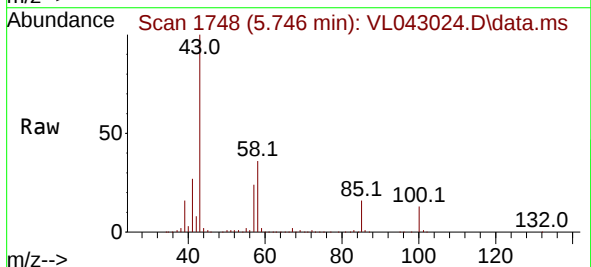
Manual Integrations
APPROVED

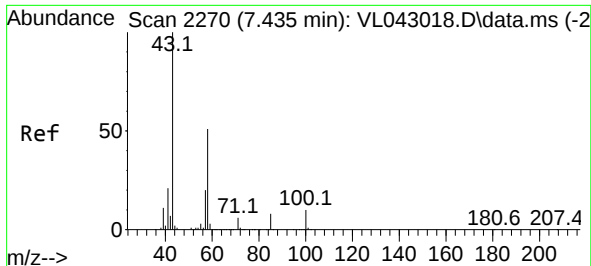
Reviewed By :Semsettin Yesilyurt 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025



#50
4-Methyl-2-Pentanone
Concen: 16.352 ppbv
RT: 5.746 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VL043024.D
Acq: 30 Sep 2025 12:27

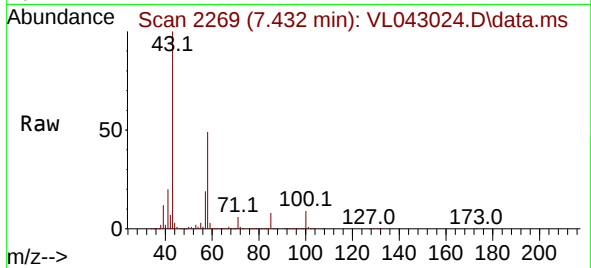
Tgt Ion: 43 Resp: 628731
Ion Ratio Lower Upper
43 100
58 36.1 29.4 44.2





#51
2-Hexanone
Concen: 17.635 ppbv
RT: 7.432 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL043024.D
Acq: 30 Sep 2025 12:27

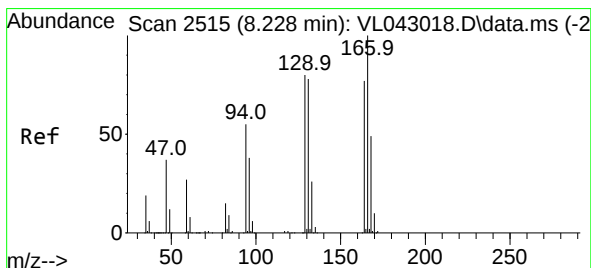
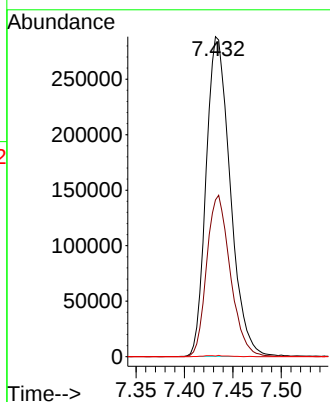
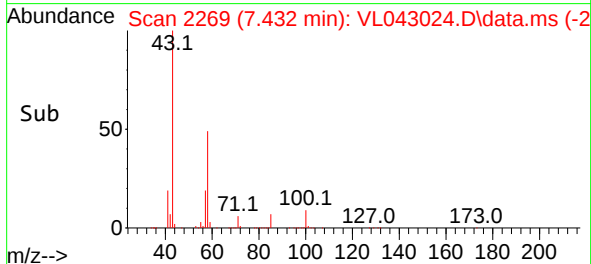
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



Tgt Ion: 43 Resp: 499672
Ion Ratio Lower Upper
43 100
58 49.5 39.7 59.5
98 0.4 0.2 0.4

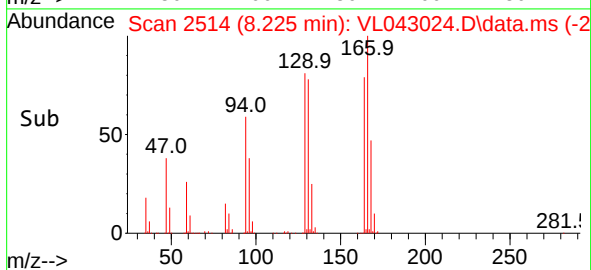
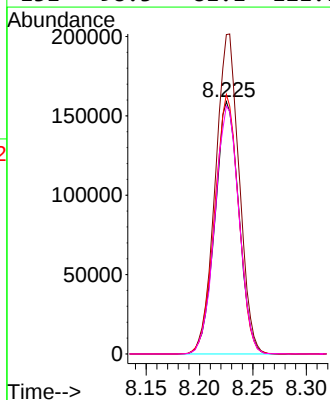
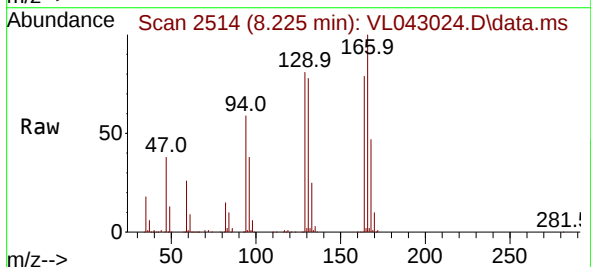
Manual Integrations
APPROVED

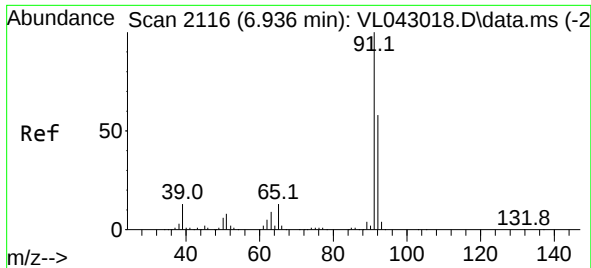
Reviewed By :Semsettin Yesilyurt 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025



#52
Tetrachloroethene
Concen: 14.476 ppbv
RT: 8.225 min Scan# 2514
Delta R.T. -0.003 min
Lab File: VL043024.D
Acq: 30 Sep 2025 12:27

Tgt Ion:164 Resp: 247490
Ion Ratio Lower Upper
164 100
166 126.5 103.5 155.3
129 102.8 82.6 124.0
131 98.3 81.1 121.7





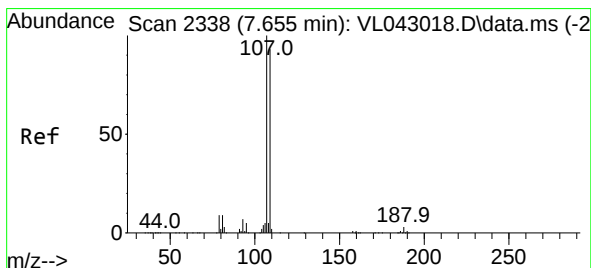
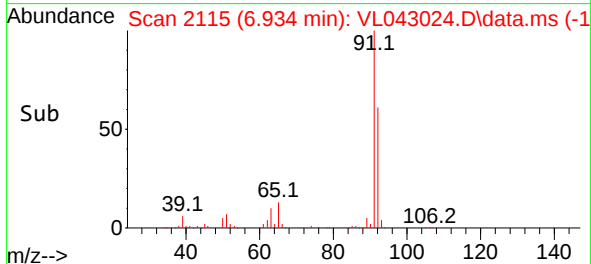
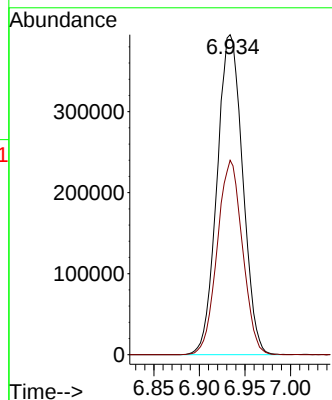
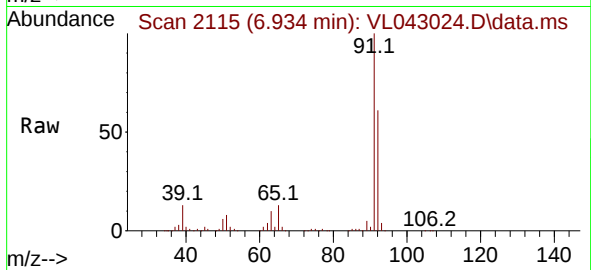
#53
Toluene
Concen: 16.175 ppbv
RT: 6.934 min Scan# 2115
Delta R.T. -0.003 min
Lab File: VL043024.D
Acq: 30 Sep 2025 12:27

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tgt Ion: 91 Resp: 77364
Ion Ratio Lower Upper
91 100
92 59.8 47.7 71.5

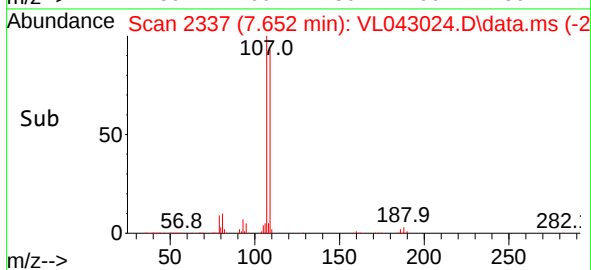
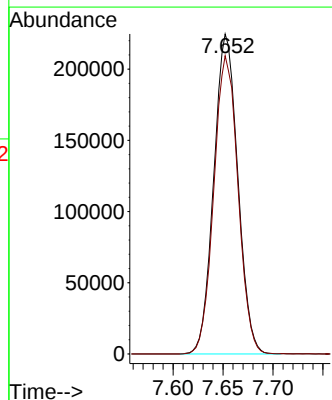
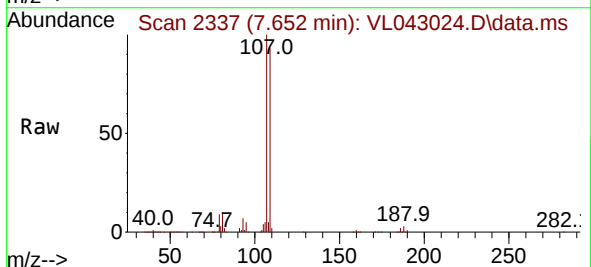
Manual Integrations
APPROVED

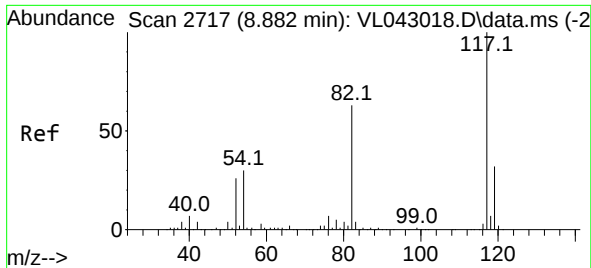
Reviewed By :Semsettin Yesilyurt 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025



#54
1,2-Dibromoethane
Concen: 16.131 ppbv
RT: 7.652 min Scan# 2337
Delta R.T. -0.003 min
Lab File: VL043024.D
Acq: 30 Sep 2025 12:27

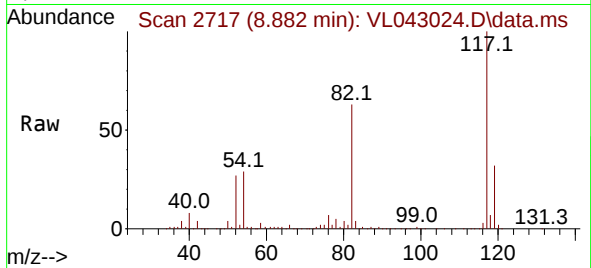
Tgt Ion:107 Resp: 376048
Ion Ratio Lower Upper
107 100
109 93.2 74.6 111.8





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.882 min Scan# 2717
Delta R.T. 0.000 min
Lab File: VL043024.D
Acq: 30 Sep 2025 12:27

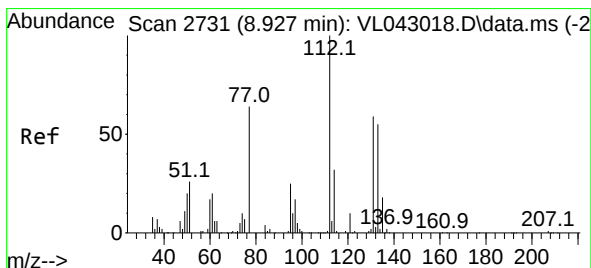
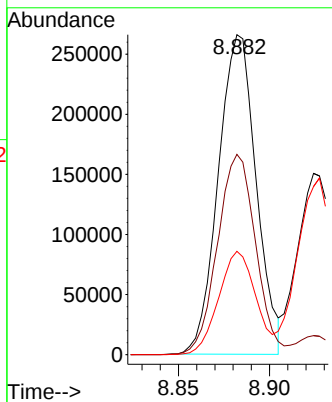
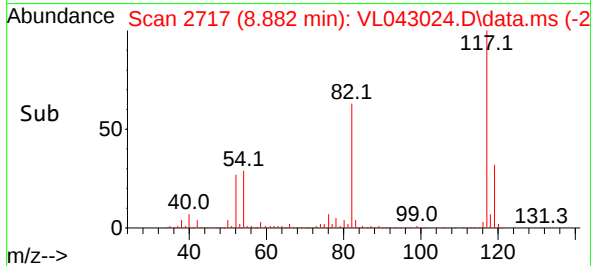
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



Tgt Ion:117 Resp: 384278
Ion Ratio Lower Upper
117 100
82 68.8 52.6 78.8
119 31.7 26.4 39.6

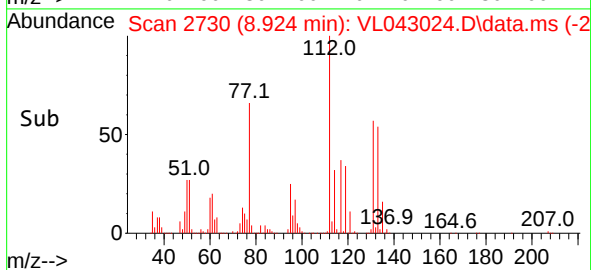
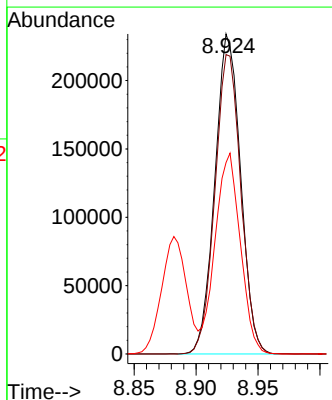
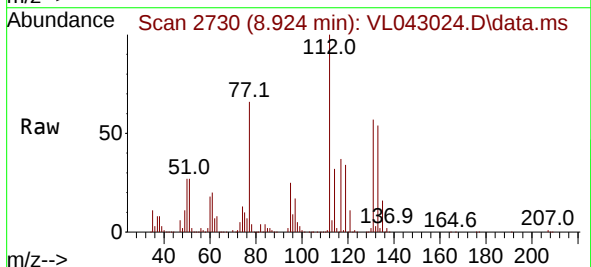
Manual Integrations
APPROVED

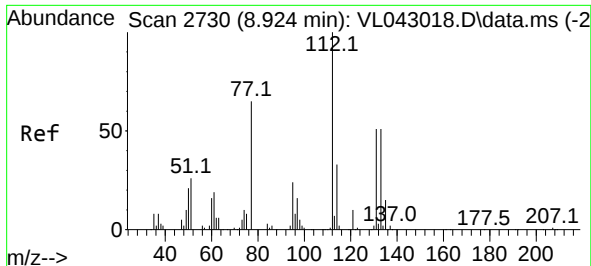
Reviewed By :Semsettin Yesilyurt 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025



#56
1,1,1,2-Tetrachloroethane
Concen: 15.527 ppbv
RT: 8.924 min Scan# 2730
Delta R.T. -0.003 min
Lab File: VL043024.D
Acq: 30 Sep 2025 12:27

Tgt Ion:131 Resp: 338108
Ion Ratio Lower Upper
131 100
133 94.6 76.6 114.8
119 60.8 48.8 73.2





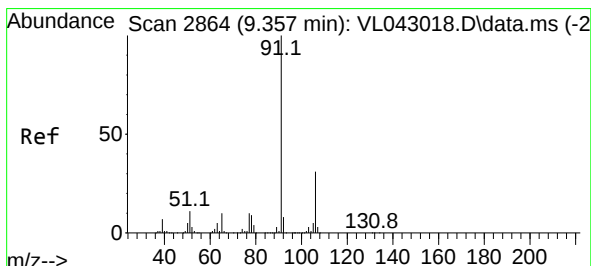
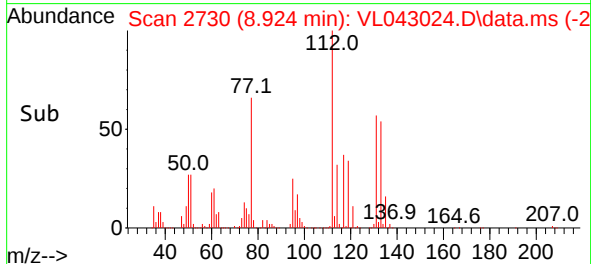
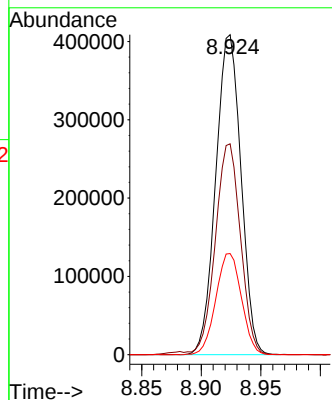
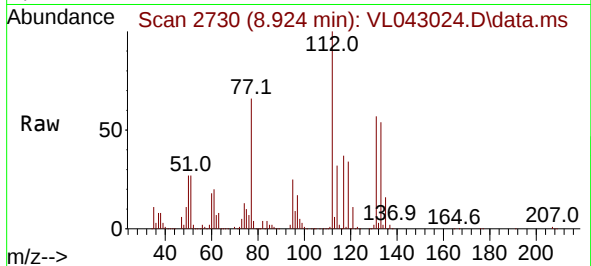
#57
Chlorobenzene
Concen: 15.191 ppbv
RT: 8.924 min Scan# 21
Delta R.T. 0.000 min
Lab File: VL043024.D
Acq: 30 Sep 2025 12:27

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tgt Ion: 112 Resp: 60176
Ion Ratio Lower Upper
112 100
77 65.8 52.7 79.1
114 31.6 29.5 36.1

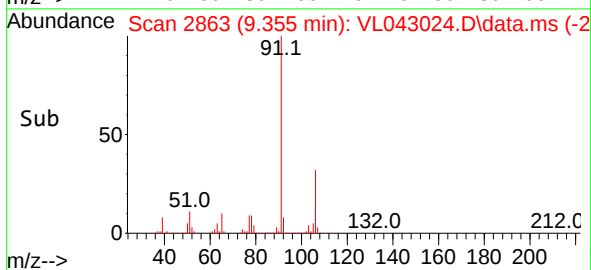
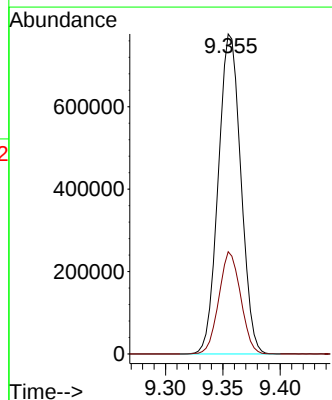
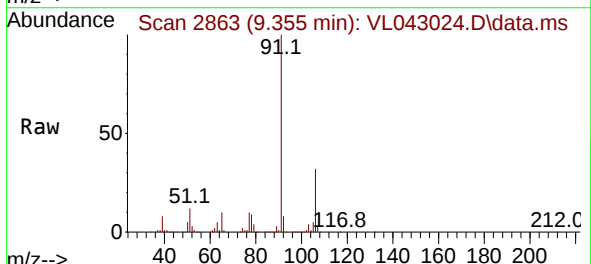
Manual Integrations
APPROVED

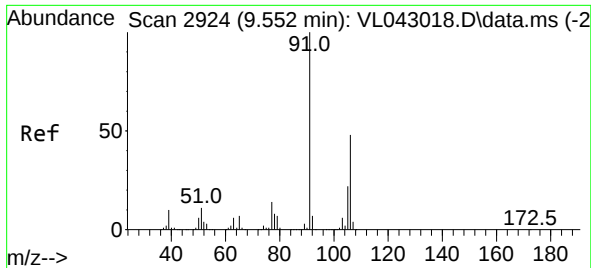
Reviewed By :Semsettin Yesilyurt 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025



#58
Ethyl Benzene
Concen: 16.304 ppbv
RT: 9.355 min Scan# 2863
Delta R.T. -0.003 min
Lab File: VL043024.D
Acq: 30 Sep 2025 12:27

Tgt Ion: 91 Resp: 1061987
Ion Ratio Lower Upper
91 100
106 31.9 24.8 37.2





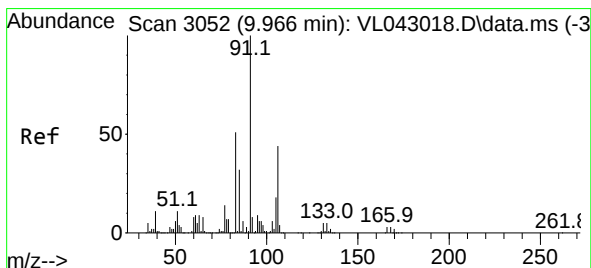
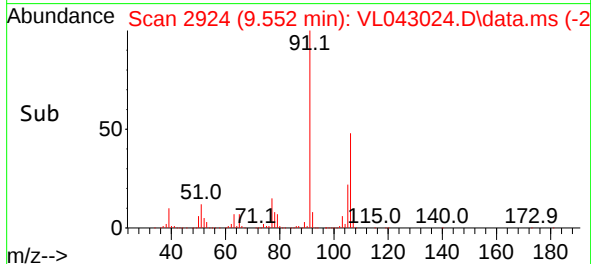
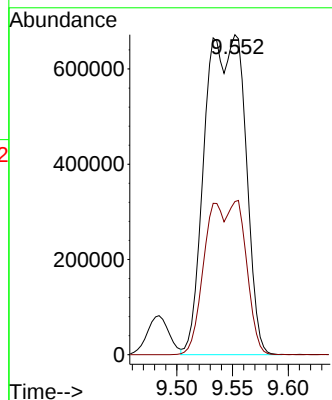
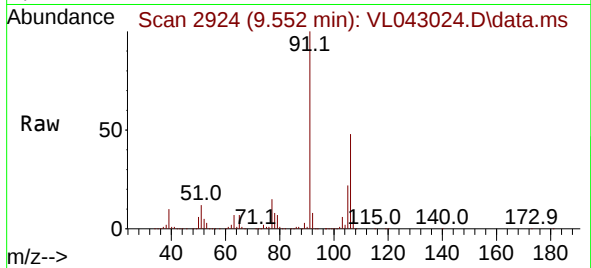
#59
m/p-Xylene
Concen: 32.403 ppbv m
RT: 9.552 min Scan# 2924
Delta R.T. 0.000 min
Lab File: VL043024.D
Acq: 30 Sep 2025 12:27

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tgt Ion: 91 Resp: 169823
Ion Ratio Lower Upper
91 100
106 47.7 38.1 57.1

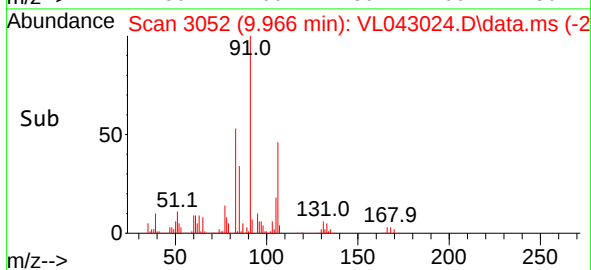
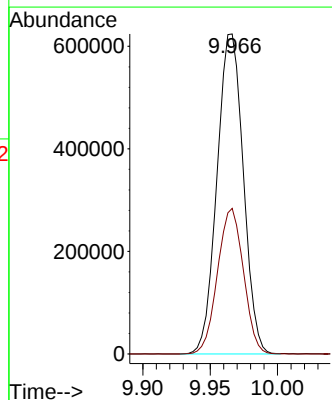
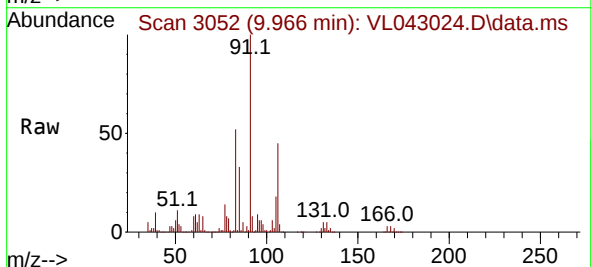
Manual Integrations
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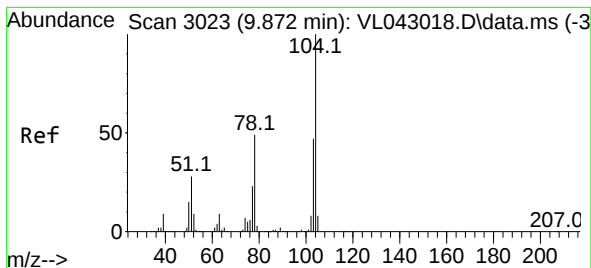
Reviewed By :Semsettin Yesilyurt 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025



#60
o-Xylene
Concen: 16.279 ppbv
RT: 9.966 min Scan# 3052
Delta R.T. 0.000 min
Lab File: VL043024.D
Acq: 30 Sep 2025 12:27

Tgt Ion: 91 Resp: 847939
Ion Ratio Lower Upper
91 100
106 44.8 22.2 66.6





#61

Styrene

Concen: 17.520 ppbv

RT: 9.872 min Scan# 3023

Delta R.T. 0.000 min

Lab File: VL043024.D

Acq: 30 Sep 2025 12:27

Instrument :

MSVOA_L

ClientSampleId :

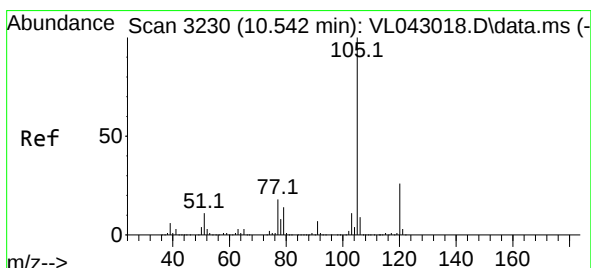
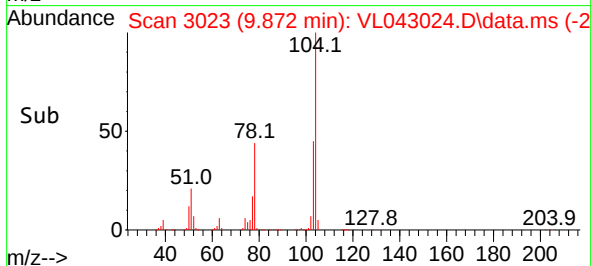
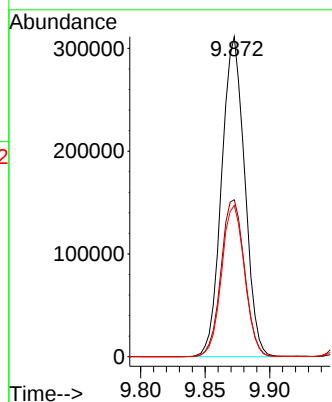
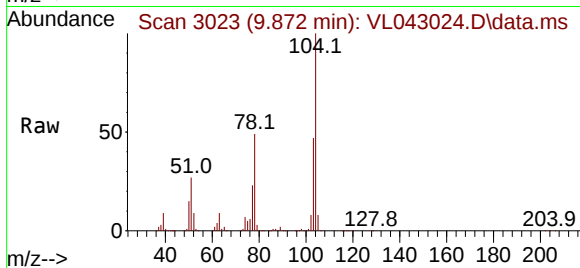
VSTDIC015

Tgt Ion:104 Resp: 386259
 Ion Ratio Lower Upper
 104 100
 78 50.1 39.0 58.4
 103 47.4 37.4 56.2

Manual Integrations

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



#62

Isopropylbenzene

Concen: 16.126 ppbv

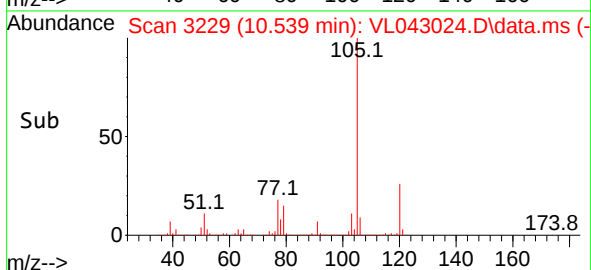
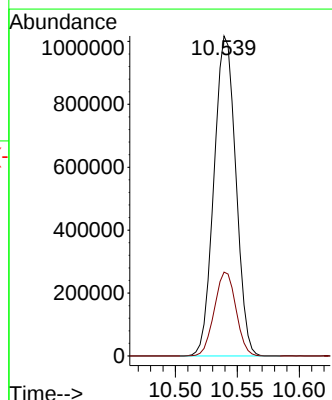
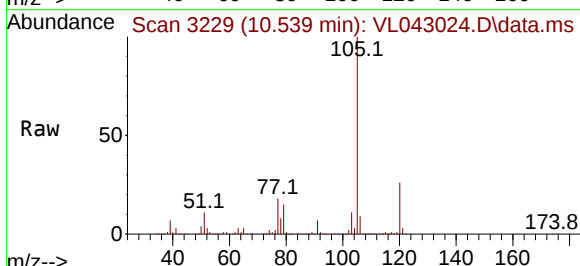
RT: 10.539 min Scan# 3229

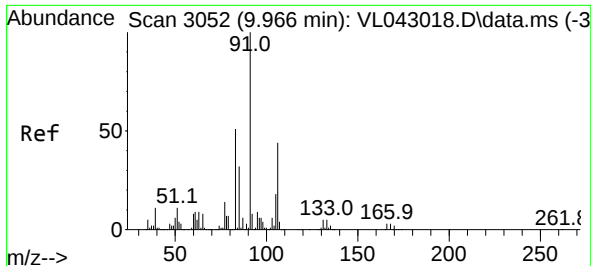
Delta R.T. -0.003 min

Lab File: VL043024.D

Acq: 30 Sep 2025 12:27

Tgt Ion:105 Resp: 1250709
 Ion Ratio Lower Upper
 105 100
 120 25.9 20.7 31.1





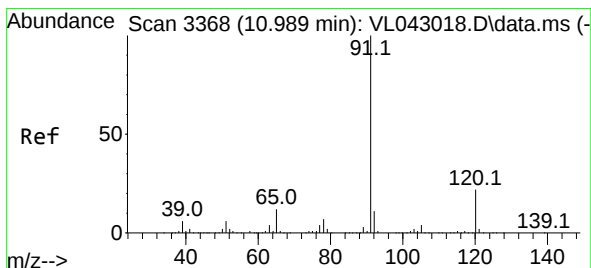
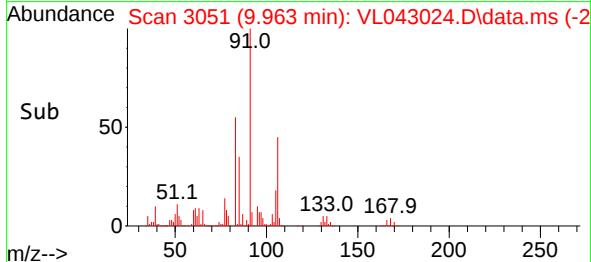
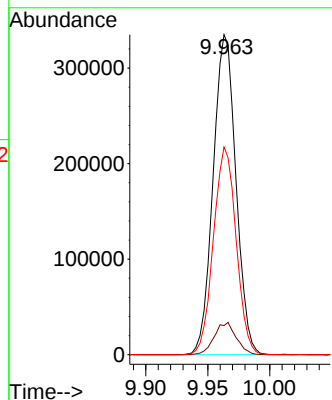
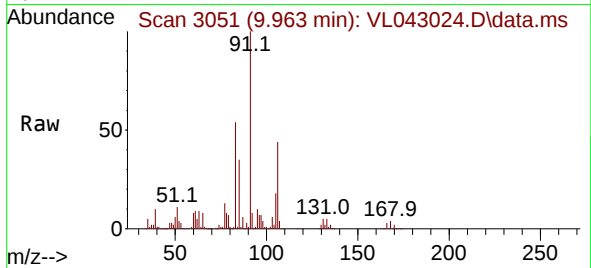
#63
1,1,2,2-Tetrachloroethane
Concen: 15.383 ppbv
RT: 9.963 min Scan# 3051
Delta R.T. -0.003 min
Lab File: VL043024.D
Acq: 30 Sep 2025 12:27

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tgt Ion: 83 Resp: 430060
Ion Ratio Lower Upper
83 100
131 9.7 5.0 14.9
85 64.5 32.2 96.6

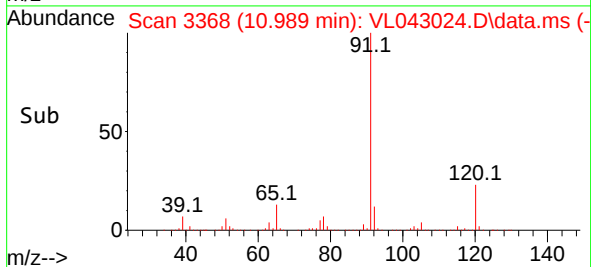
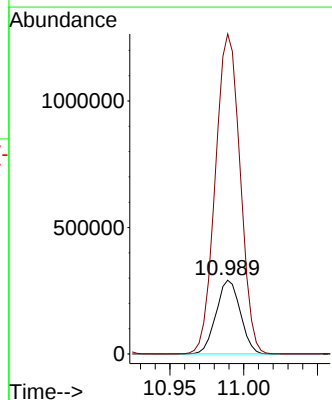
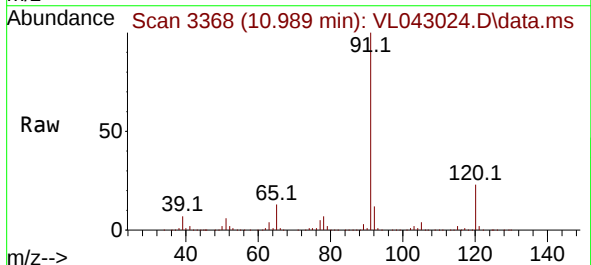
Manual Integrations
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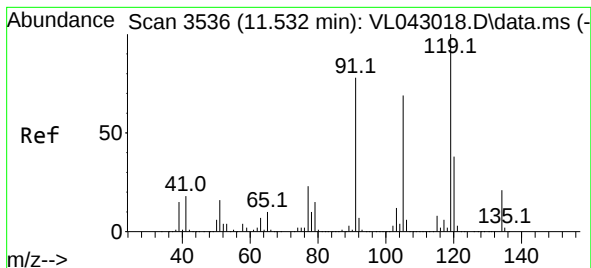
Reviewed By :Semsettin Yesilyurt 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025



#64
n-propylbenzene
Concen: 16.435 ppbv
RT: 10.989 min Scan# 3368
Delta R.T. 0.000 min
Lab File: VL043024.D
Acq: 30 Sep 2025 12:27

Tgt Ion:120 Resp: 332196
Ion Ratio Lower Upper
120 100
91 446.2 365.6 548.4





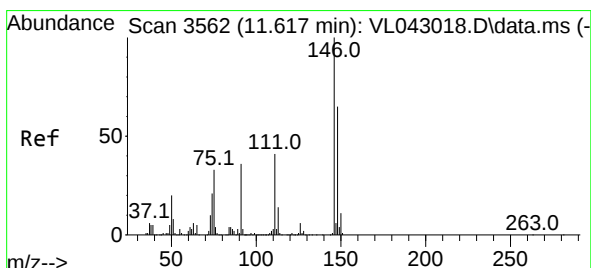
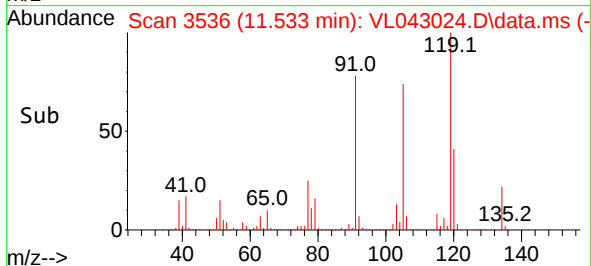
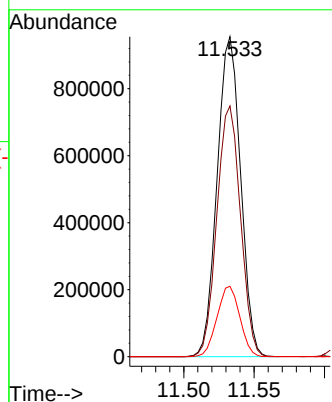
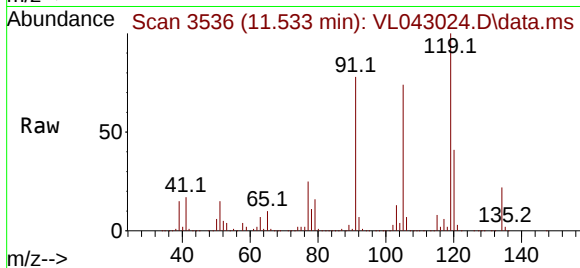
#65
tert-Butylbenzene
Concen: 15.830 ppbv
RT: 11.533 min Scan# 3536
Delta R.T. 0.000 min
Lab File: VL043024.D
Acq: 30 Sep 2025 12:27

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tgt Ion:119 Resp: 111171
Ion Ratio Lower Upper
119 100
91 78.7 62.6 93.8
134 21.4 16.7 25.1

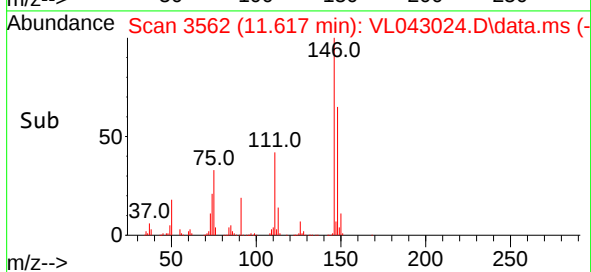
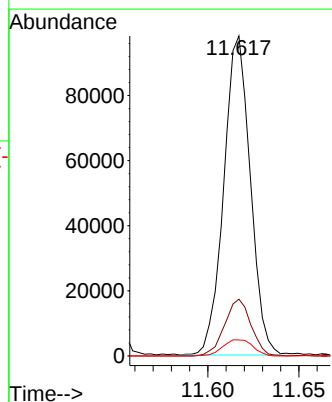
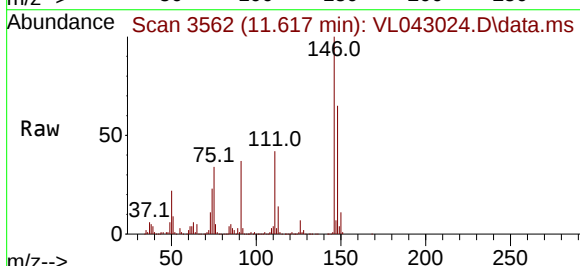
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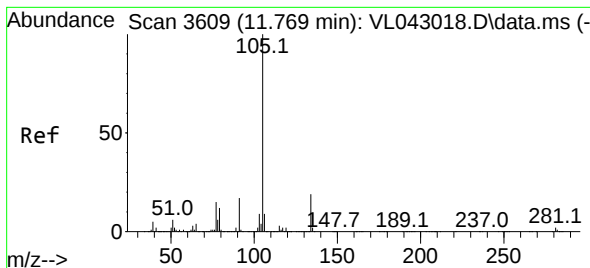
Reviewed By :Semsettin Yesilyurt 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025



#66
Benzyl Chloride
Concen: 17.735 ppbv
RT: 11.617 min Scan# 3562
Delta R.T. 0.000 min
Lab File: VL043024.D
Acq: 30 Sep 2025 12:27

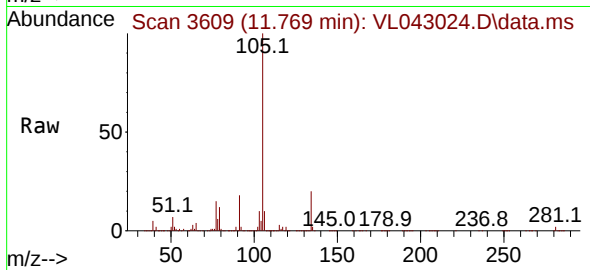
Tgt Ion: 91 Resp: 99365
Ion Ratio Lower Upper
91 100
126 17.8 14.1 21.1
128 5.8 4.9 7.3





#67
 sec-Butylbenzene
 Concen: 15.646 ppbv
 RT: 11.769 min Scan# 3609
 Delta R.T. 0.000 min
 Lab File: VL043024.D
 Acq: 30 Sep 2025 12:27

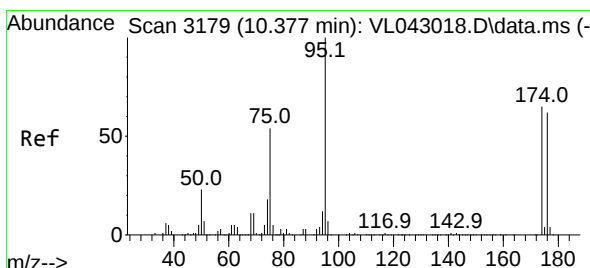
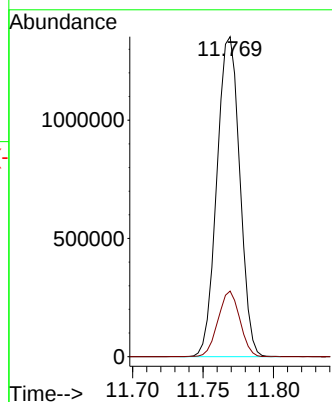
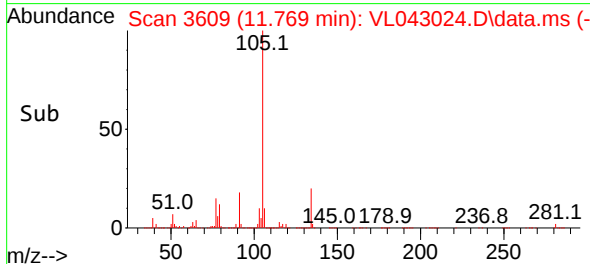
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015



Tgt Ion:105 Resp: 153229
 Ion Ratio Lower Upper
 105 100
 134 19.6 15.4 23.2

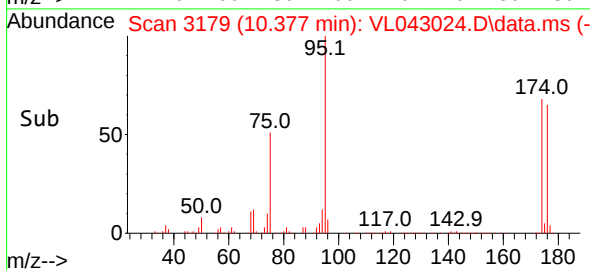
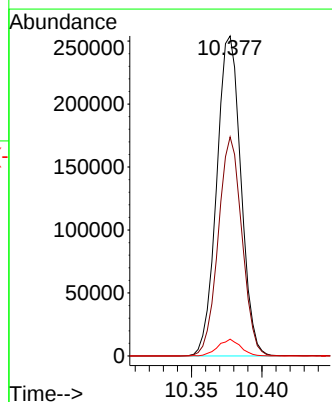
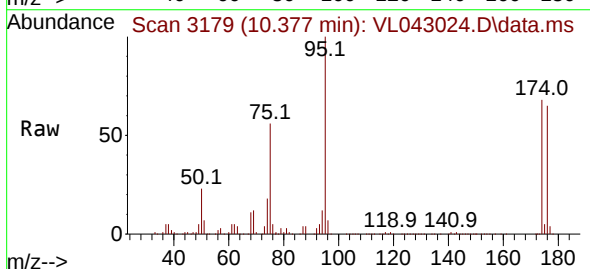
Manual Integrations
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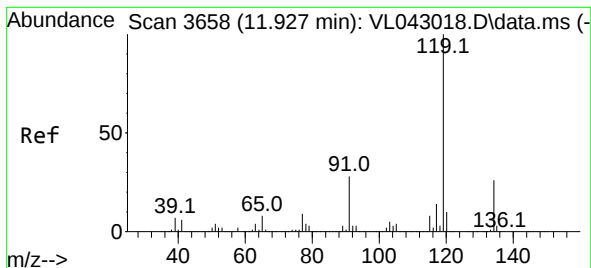
Reviewed By :Semsettin Yesilyurt 10/01/2025
 Supervised By :Mahesh Dadoda 10/03/2025



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.440 ppbv
 RT: 10.377 min Scan# 3179
 Delta R.T. 0.000 min
 Lab File: VL043024.D
 Acq: 30 Sep 2025 12:27

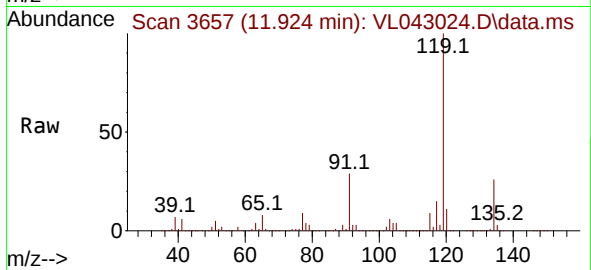
Tgt Ion: 95 Resp: 303909
 Ion Ratio Lower Upper
 95 100
 174 67.3 53.4 80.2
 175 4.9 3.8 5.8





#69
p-Isopropyltoluene
Concen: 16.184 ppbv
RT: 11.924 min Scan# 3657
Delta R.T. -0.003 min
Lab File: VL043024.D
Acq: 30 Sep 2025 12:27

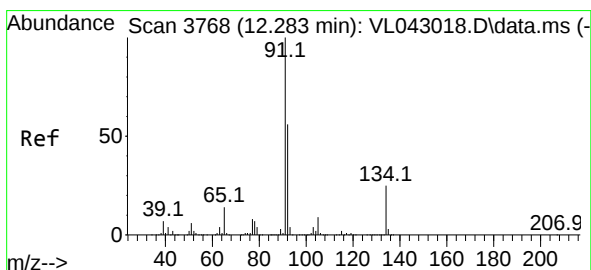
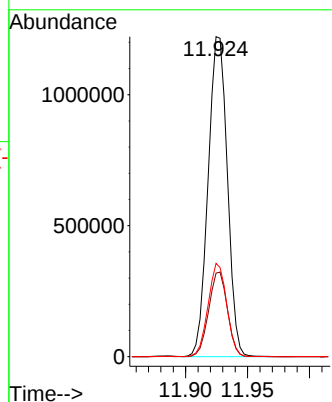
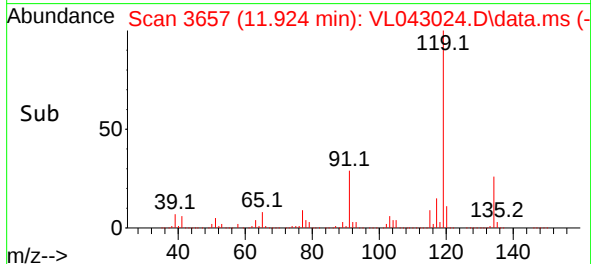
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



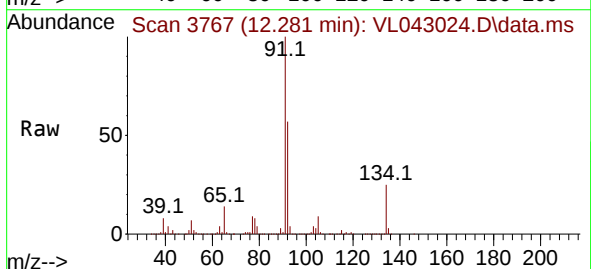
Tgt Ion:119 Resp: 1320000
Ion Ratio Lower Upper
119 100
134 25.9 20.3 30.5
91 28.2 22.1 33.1

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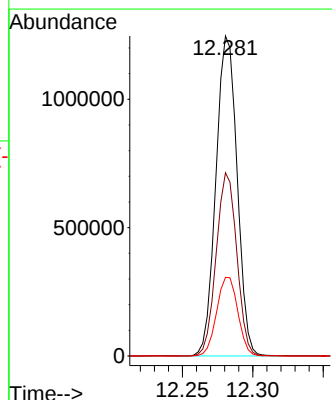
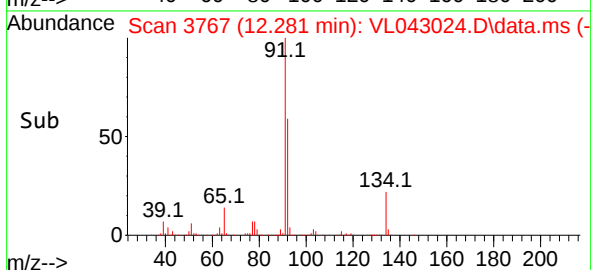
Reviewed By :Semsettin Yesilyurt 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

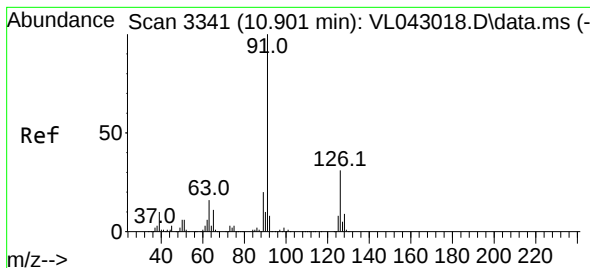


#70
n-Butylbenzene
Concen: 16.594 ppbv
RT: 12.281 min Scan# 3767
Delta R.T. -0.003 min
Lab File: VL043024.D
Acq: 30 Sep 2025 12:27



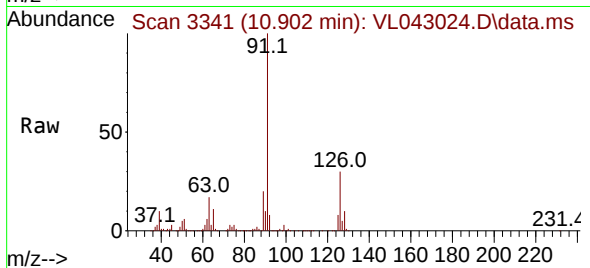
Tgt Ion: 91 Resp: 1307688
Ion Ratio Lower Upper
91 100
92 55.7 44.2 66.4
134 24.6 19.5 29.3





#71
2-Chlorotoluene
Concen: 16.281 ppbv
RT: 10.902 min Scan# 31
Delta R.T. 0.000 min
Lab File: VL043024.D
Acq: 30 Sep 2025 12:27

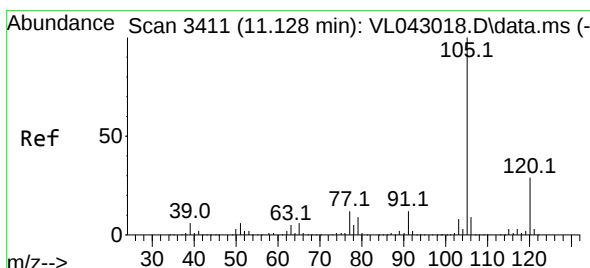
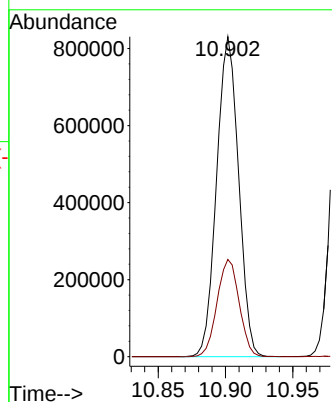
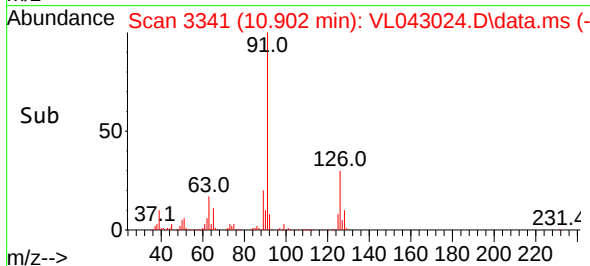
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



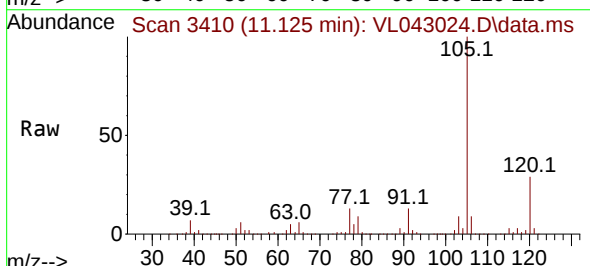
Tgt Ion: 91 Resp: 941774
Ion Ratio Lower Upper
91 100
126 30.5 12.3 49.3

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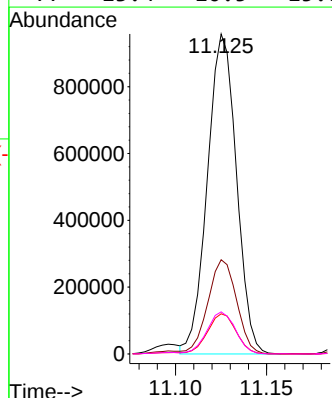
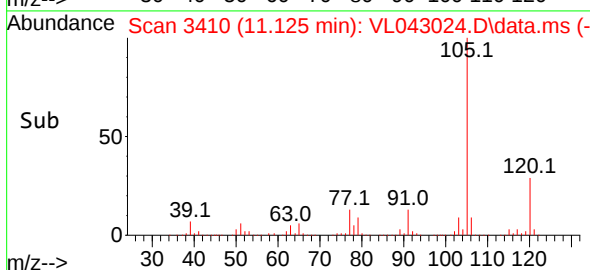
Reviewed By :Semsettin Yesilyurt 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

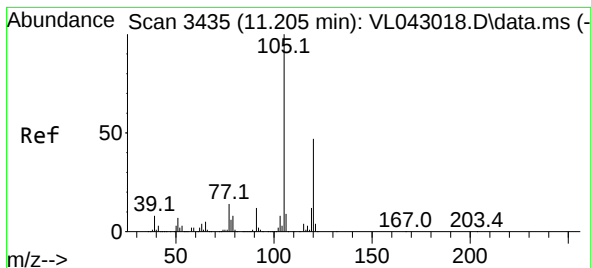


#72
4-Ethyltoluene
Concen: 16.540 ppbv
RT: 11.125 min Scan# 3410
Delta R.T. -0.003 min
Lab File: VL043024.D
Acq: 30 Sep 2025 12:27



Tgt Ion:105 Resp: 1059857
Ion Ratio Lower Upper
105 100
120 30.1 23.6 35.4
91 12.9 10.0 15.0
77 13.4 10.5 15.7





#73

1,3,5-Trimethylbenzene

Concen: 16.359 ppbv

RT: 11.203 min Scan# 3435

Delta R.T. -0.003 min

Lab File: VL043024.D

Acq: 30 Sep 2025 12:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tgt Ion:105 Resp: 88385

Ion Ratio Lower Upper

105 100

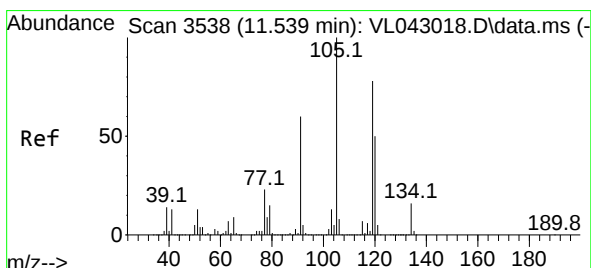
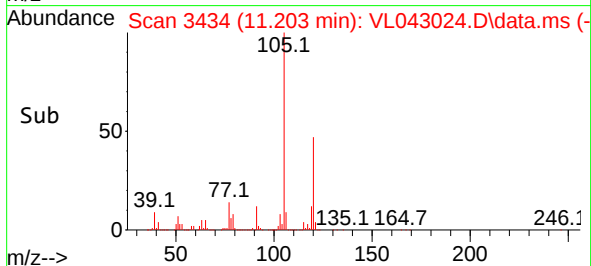
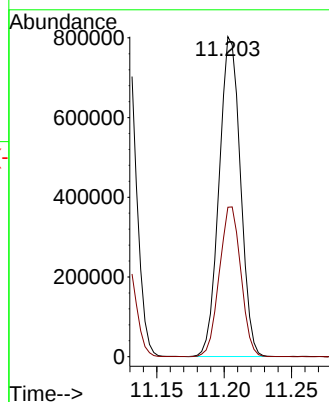
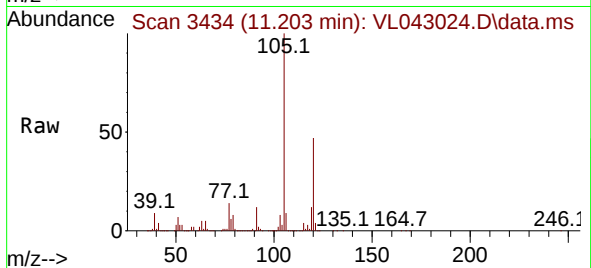
120 46.7 37.4 56.2

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 10/01/2025

Supervised By :Mahesh Dadoda 10/03/2025



#74

1,2,4-Trimethylbenzene

Concen: 15.810 ppbv

RT: 11.539 min Scan# 3538

Delta R.T. 0.000 min

Lab File: VL043024.D

Acq: 30 Sep 2025 12:27

Tgt Ion:105 Resp: 964228

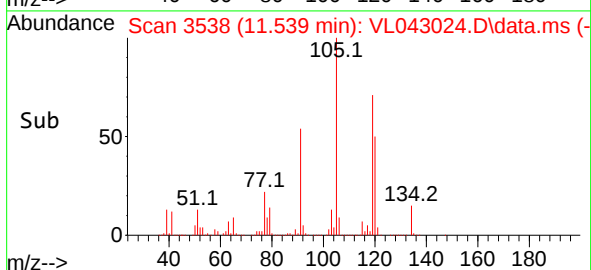
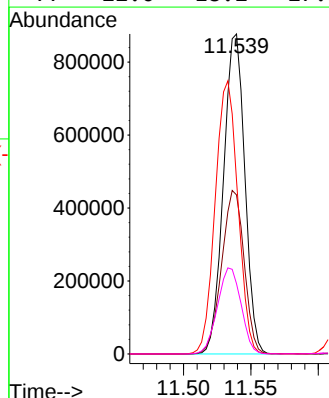
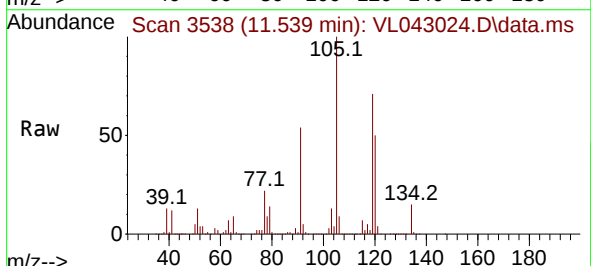
Ion Ratio Lower Upper

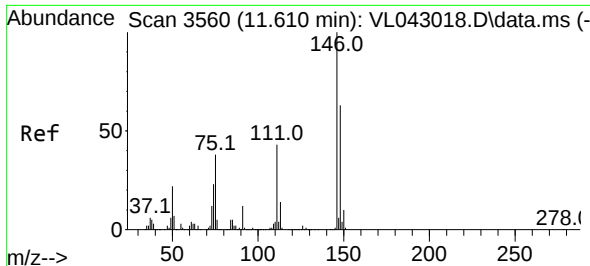
105 100

120 49.7 40.3 60.5

91 54.2 47.7 71.5

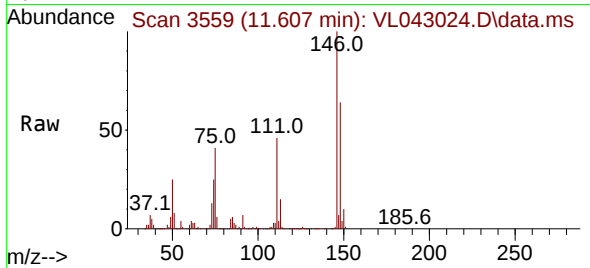
77 22.0 18.2 27.2





#75
1,3-Dichlorobenzene
Concen: 15.636 ppbv
RT: 11.607 min Scan# 3559
Delta R.T. -0.003 min
Lab File: VL043024.D
Acq: 30 Sep 2025 12:27

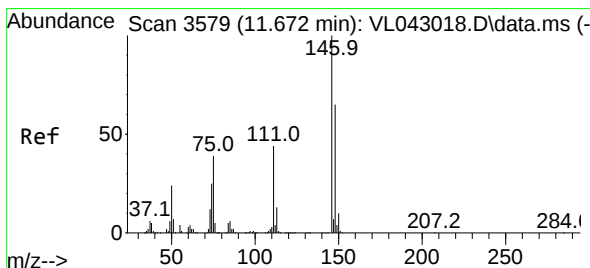
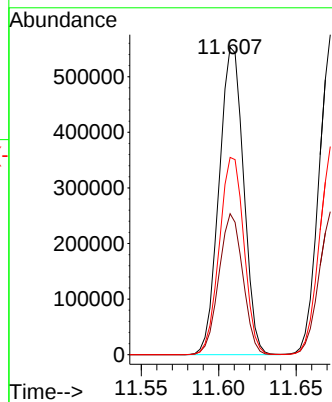
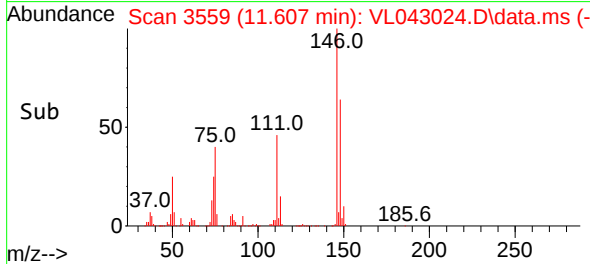
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015



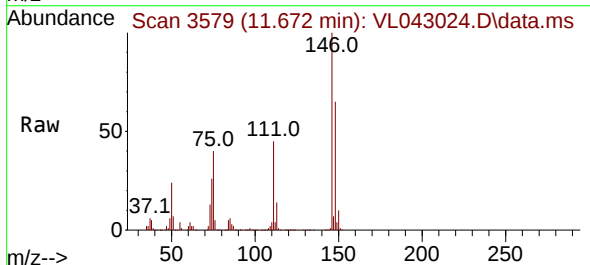
Tgt Ion:146 Resp: 60914
Ion Ratio Lower Upper
146 100
111 44.7 22.0 66.0
148 64.3 31.9 95.7

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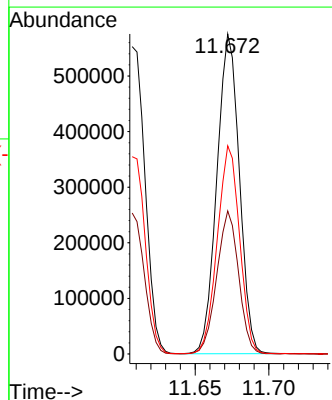
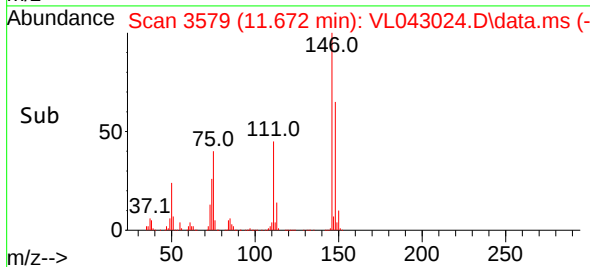
Reviewed By :Semsettin Yesilyurt 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

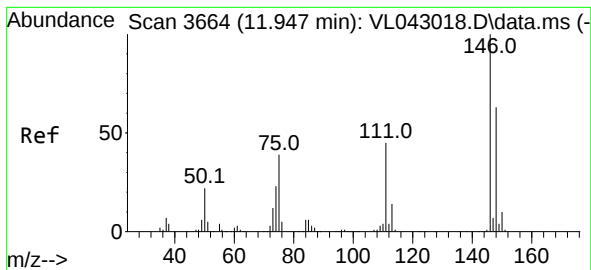


#76
1,4-Dichlorobenzene
Concen: 16.004 ppbv
RT: 11.672 min Scan# 3579
Delta R.T. 0.000 min
Lab File: VL043024.D
Acq: 30 Sep 2025 12:27



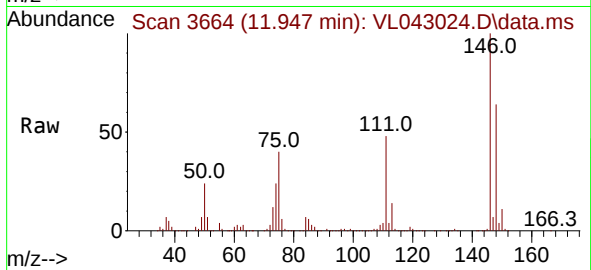
Tgt Ion:146 Resp: 609332
Ion Ratio Lower Upper
146 100
111 43.6 21.9 65.5
148 64.8 32.4 97.2





#77
1,2-Dichlorobenzene
Concen: 15.307 ppbv
RT: 11.947 min Scan# 3664
Delta R.T. 0.000 min
Lab File: VL043024.D
Acq: 30 Sep 2025 12:27

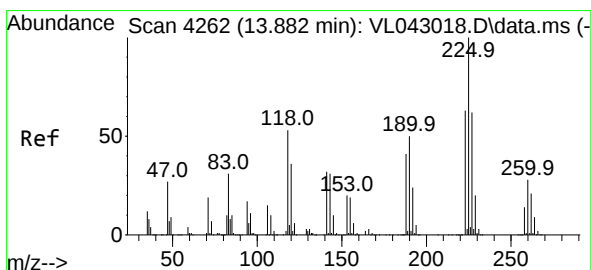
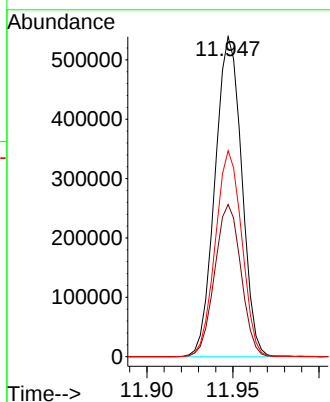
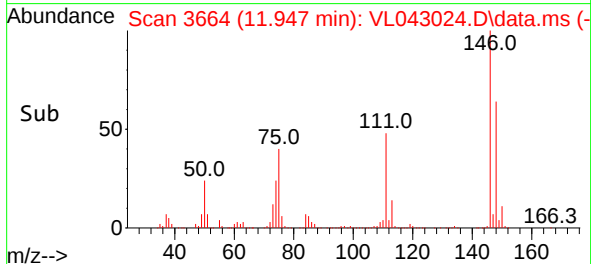
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015



Tgt Ion:146 Resp: 582329
Ion Ratio Lower Upper
146 100
111 46.9 22.9 68.5
148 63.9 31.8 95.4

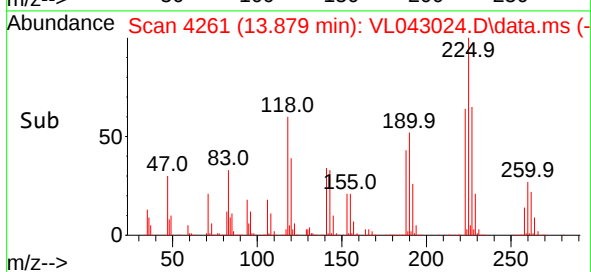
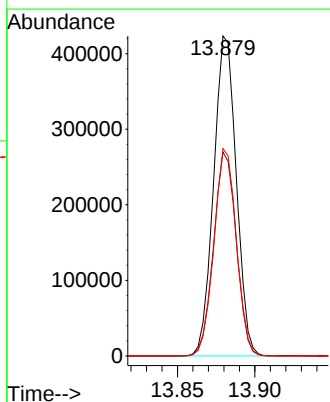
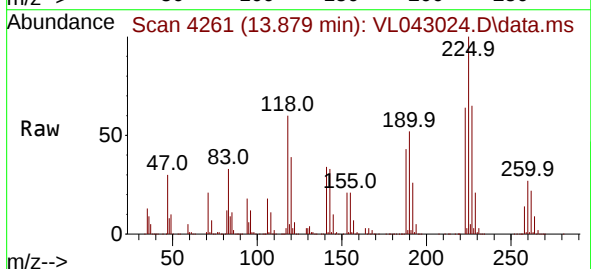
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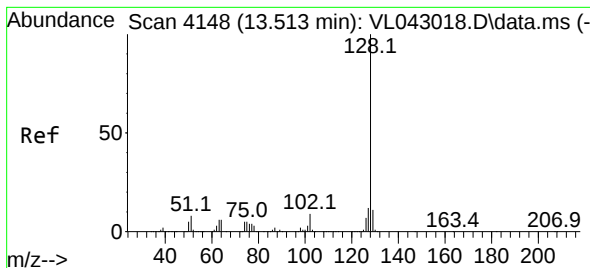
Reviewed By :Semsettin Yesilyurt 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025



#78
Hexachloro-1,3-Butadiene
Concen: 14.155 ppbv
RT: 13.879 min Scan# 4261
Delta R.T. -0.003 min
Lab File: VL043024.D
Acq: 30 Sep 2025 12:27

Tgt Ion:225 Resp: 430692
Ion Ratio Lower Upper
225 100
223 63.6 50.9 76.3
227 64.2 50.3 75.5





#79

Naphthalene

Concen: 19.367 ppbv

RT: 13.514 min Scan# 4148

Delta R.T. 0.000 min

Lab File: VL043024.D

Acq: 30 Sep 2025 12:27

Instrument :

MSVOA_L

ClientSampleId :

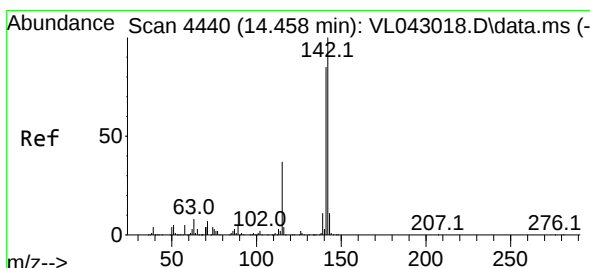
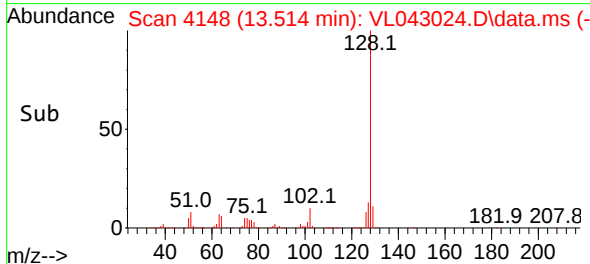
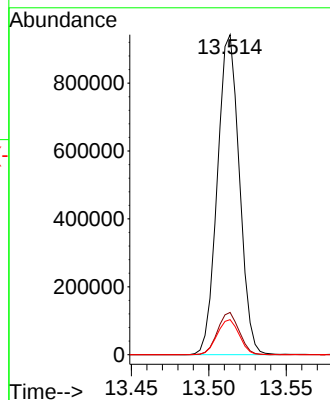
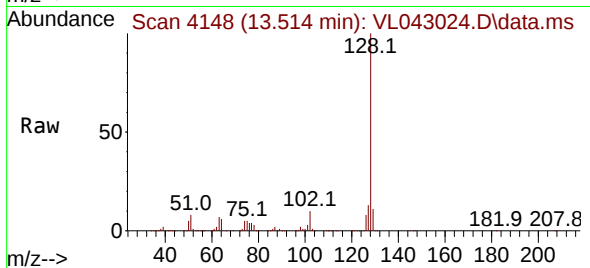
VSTDIC015

Tgt Ion:128	Resp: 931872
Ion Ratio	Lower Upper
128 100	
127 13.2	9.9 14.9
129 11.0	8.6 13.0

Manual Integrations

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



#80

Naphthalene,2-methyl-

Concen: 20.627 ppbv

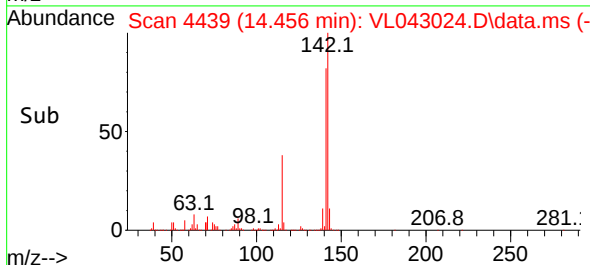
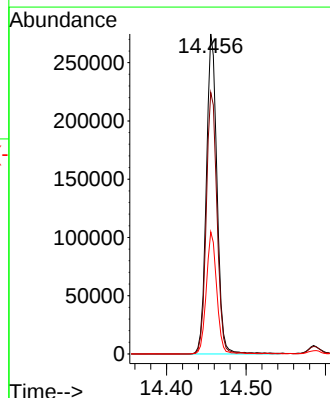
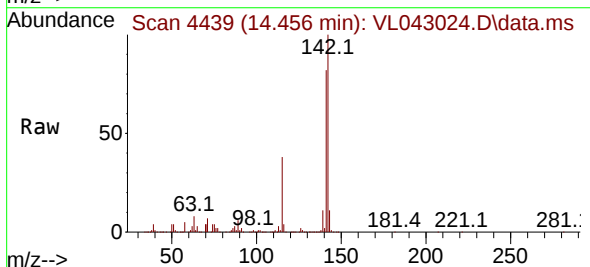
RT: 14.456 min Scan# 4439

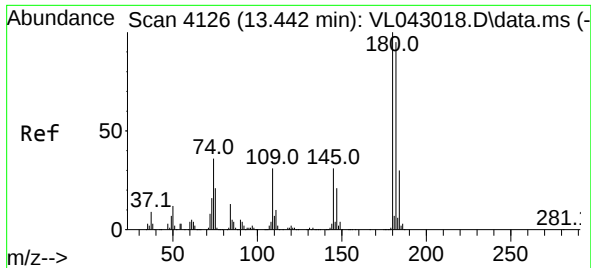
Delta R.T. -0.003 min

Lab File: VL043024.D

Acq: 30 Sep 2025 12:27

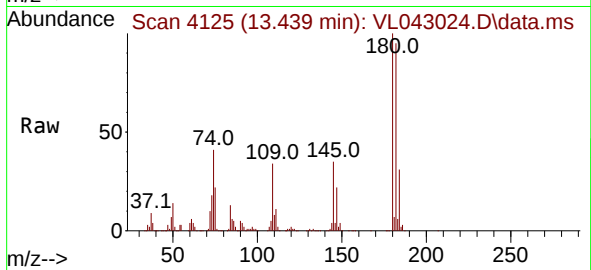
Tgt Ion:142	Resp: 256778
Ion Ratio	Lower Upper
142 100	
141 83.2	67.0 100.4
115 37.7	29.8 44.6





#81
 1,2,4-Trichlorobenzene
 Concen: 17.343 ppbv
 RT: 13.439 min Scan# 41
 Delta R.T. -0.003 min
 Lab File: VL043024.D
 Acq: 30 Sep 2025 12:27

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015



Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.3	75.8	113.8
184	30.5	24.2	36.4

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

