

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022525\
 Data File : VL042043.D
 Acq On : 25 Feb 2025 10:00
 Operator : SY/MD
 Sample : VSTDICC001
 Misc : 400mL/MSVOA_L
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC001

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 02/26/2025
 Supervised By : Mahesh Dadoda 02/26/2025

Quant Time: Feb 25 10:27:35 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M

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

QLast Update : Tue Feb 25 10:15:00 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.800	49	161096	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.978	114	423363	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.898	117	369917	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	10.390	95	287450	9.420	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	94.200%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.502	85	17457	0.629	ppbv	95
3) Chlorodifluoromethane	1.479	51	25229	0.823	ppbv	98
4) Chloromethane	1.538	50	6417	0.595	ppbv #	75
5) Vinyl Chloride	1.586	62	5567	0.432	ppbv	96
6) Bromomethane	1.674	94	2966	0.594	ppbv	100
7) Chloroethane	1.709	64	2542	0.605	ppbv	96
8) Dichlorotetrafluoroethane	1.560	85	14655	0.601	ppbv	90
9) Propene	1.486	41	10156	0.768	ppbv	96
10) Heptane	4.998	43	31354m	0.854	ppbv	
11) Trichlorofluoromethane	1.884	101	18079	0.648	ppbv	98
12) 1,1,2-Trichlorotrifluo...	2.149	101	14527	0.667	ppbv	92
13) Ethanol	1.725	45	915m	0.614	ppbv	
14) Bromoethene	1.787	108	4905	0.604	ppbv #	95
15) Acetone	1.845	43	15468	0.582	ppbv	98
16) 1,3-Butadiene	1.615	39	7010	0.556	ppbv	99
17) tert-Butyl alcohol	2.052	59	19092	0.580	ppbv	97
18) 1,1-Dichloroethene	2.043	96	7042	0.677	ppbv	94
19) Isopropyl Alcohol	1.894	45	9191	0.616	ppbv #	32
20) Methylene Chloride	2.068	84	6026	0.602	ppbv	95
21) Allyl Chloride	2.104	41	11550	0.600	ppbv	95
22) trans-1,2-Dichloroethene	2.347	96	8145m	0.722	ppbv	
23) Vinyl Acetate	2.473	43	9893	0.687	ppbv #	91
24) 1,1-Dichloroethane	2.418	63	13783	0.601	ppbv	98
25) Ethyl Acetate	2.852	43	59183	0.811	ppbv	99
26) Hexane	2.836	57	23549	0.804	ppbv	96
27) Carbon Disulfide	2.159	76	15659	0.568	ppbv #	46
28) Methyl tert-Butyl Ether	2.454	73	13593	0.759	ppbv	95
29) Chloroform	2.861	83	32925	0.776	ppbv	94
30) Cyclohexane	3.874	84	19953	0.840	ppbv	97
31) cis-1,2-Dichloroethene	2.732	61	22565	0.780	ppbv	97
32) 1,1,1-Trichloroethane	3.386	97	30870	0.656	ppbv	96
34) 2-Butanone	2.570	43	33820	0.929	ppbv	99
35) Carbon Tetrachloride	3.777	117	30618	0.745	ppbv	90
36) Benzene	3.674	78	45892	0.895	ppbv	96
37) 1,2-Dichloroethane	3.234	62	25585	0.876	ppbv	99
38) Trichloroethene	4.570	130	18921	0.908	ppbv	91
39) 1,2-Dichloropropane	4.334	63	17557	0.934	ppbv	94
40) 1,4-Dioxane	4.619	88	8319m	0.850	ppbv	
41) Tetrahydrofuran	3.075	42	20823	1.000	ppbv	96
42) Bromodichloromethane	4.515	83	33481	0.847	ppbv	97
43) Methyl Methacrylate	4.907	69	17679	0.756	ppbv	99
44) 2,2,4-Trimethylpentane	4.661	57	81921	0.941	ppbv	98
45) t-1,3-Dichloropropene	6.444	75	16578m	0.751	ppbv	

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022525\
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Instrument :
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 ClientSampleId :
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Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 02/26/2025
 Supervised By :Mahesh Dadoda 02/26/2025

Quant Time: Feb 25 10:27:35 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M

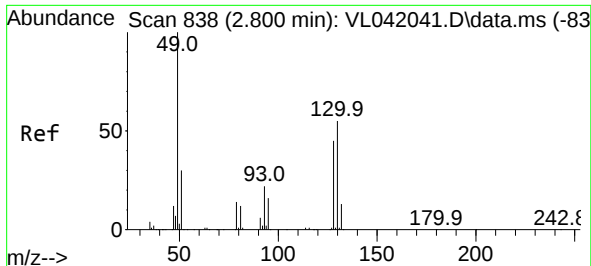
Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Tue Feb 25 10:15:00 2025

Response via : Initial Calibration

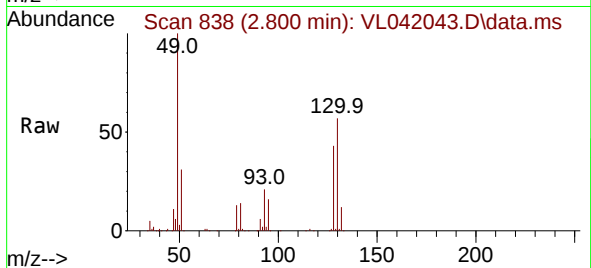
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.632	75	22127m	0.790	ppbv	
47) 1,1,2-Trichloroethane	6.616	97	18160m	0.918	ppbv	
48) Dibromochloromethane	7.412	129	28239	0.852	ppbv	97
49) Bromoform	9.500	173	23310	0.858	ppbv	94
50) 4-Methyl-2-Pentanone	5.791	43	41249m	0.737	ppbv	
51) 2-Hexanone	7.470	43	24117	0.527	ppbv #	97
52) Tetrachloroethene	8.241	164	16217	0.907	ppbv	89
53) Toluene	6.959	91	51231	0.838	ppbv	99
54) 1,2-Dibromoethane	7.674	107	23427	0.860	ppbv	94
56) 1,1,1,2-Tetrachloroethane	8.943	131	22060	0.833	ppbv	97
57) Chlorobenzene	8.937	112	41173	0.946	ppbv	96
58) Ethyl Benzene	9.370	91	70507	0.871	ppbv	97
59) m/p-Xylene	9.568	91	114691m	1.799	ppbv	
60) o-Xylene	9.979	91	57322	0.889	ppbv	99
61) Styrene	9.885	104	26596	0.865	ppbv	98
62) Isopropylbenzene	10.555	105	86533	0.894	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.979	83	38520	0.926	ppbv	98
64) n-propylbenzene	11.002	120	22456	0.944	ppbv	94
65) tert-Butylbenzene	11.545	119	83284	0.987	ppbv	99
66) Benzyl Chloride	11.626	91	5880m	0.695	ppbv	
67) sec-Butylbenzene	11.782	105	119435	1.007	ppbv	99
69) p-Isopropyltoluene	11.940	119	93710	0.966	ppbv	99
70) n-Butylbenzene	12.293	91	94969	0.993	ppbv	98
71) 2-Chlorotoluene	10.914	91	67655	0.928	ppbv	98
72) 4-Ethyltoluene	11.137	105	71906	0.952	ppbv	99
73) 1,3,5-Trimethylbenzene	11.215	105	64087	0.983	ppbv	96
74) 1,2,4-Trimethylbenzene	11.549	105	73323	1.048	ppbv	100
75) 1,3-Dichlorobenzene	11.620	146	41063	1.091	ppbv	99
76) 1,4-Dichlorobenzene	11.685	146	39235	1.068	ppbv	99
77) 1,2-Dichlorobenzene	11.960	146	40574	1.127	ppbv	98
78) Hexachloro-1,3-Butadiene	13.895	225	30764	1.033	ppbv	99
79) Naphthalene	13.526	128	45743	0.665	ppbv	98
80) Naphthalene,2-methyl-	14.471	142	5244	0.168	ppbv	94
81) 1,2,4-Trichlorobenzene	13.452	180	25404	0.908	ppbv	95

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



#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.800 min Scan# 838
Delta R.T. -0.000 min
Lab File: VL042043.D
Acq: 25 Feb 2025 10:00

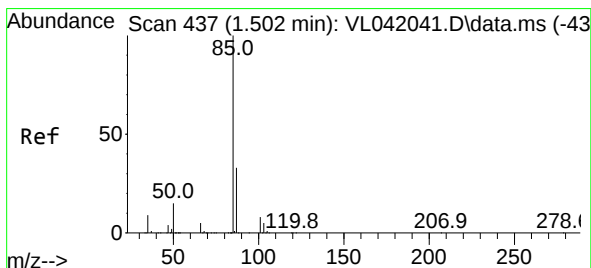
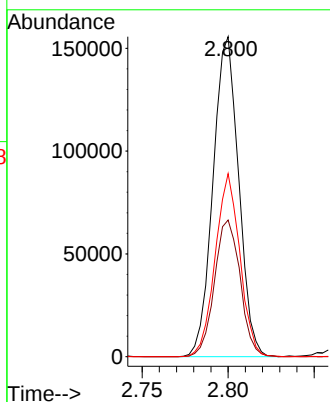
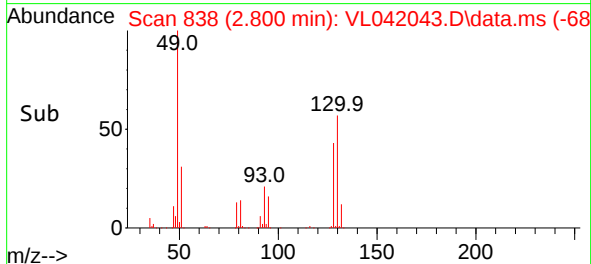
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001



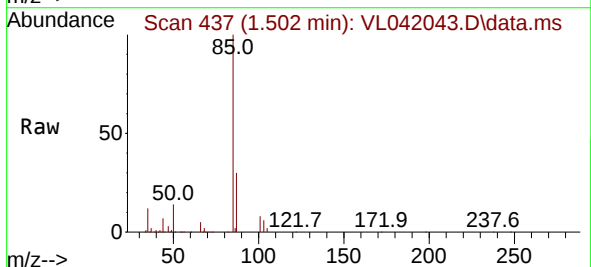
Tgt Ion: 49 Resp: 161090
Ion Ratio Lower Upper
49 100
128 42.9 21.6 64.8
130 55.0 27.8 83.4

Manual Integrations
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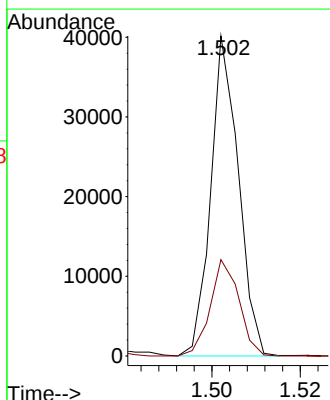
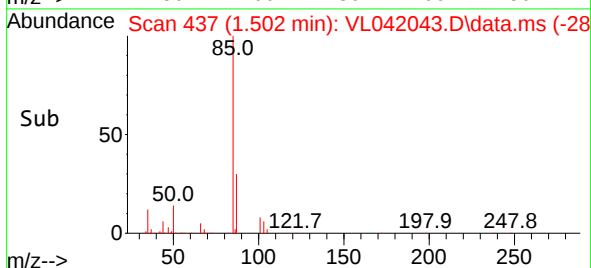
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

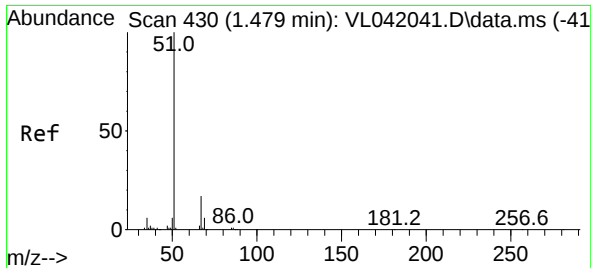


#2
Dichlorodifluoromethane
Concen: 0.629 ppbv
RT: 1.502 min Scan# 437
Delta R.T. -0.000 min
Lab File: VL042043.D
Acq: 25 Feb 2025 10:00



Tgt Ion: 85 Resp: 17457
Ion Ratio Lower Upper
85 100
87 30.1 26.4 39.6





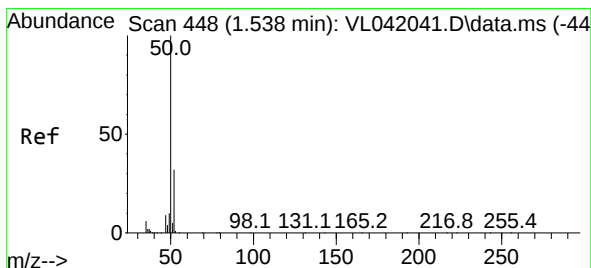
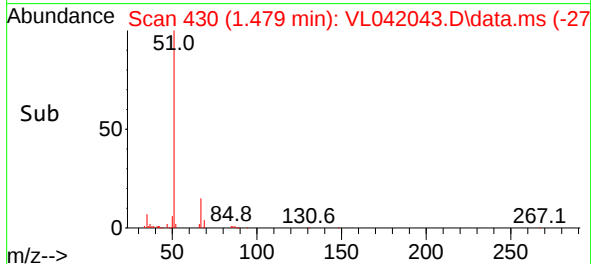
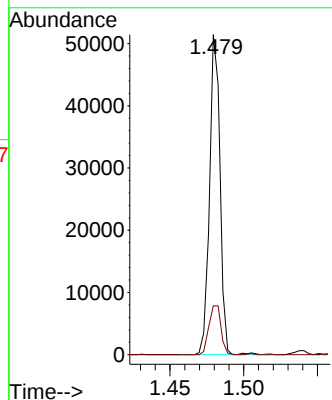
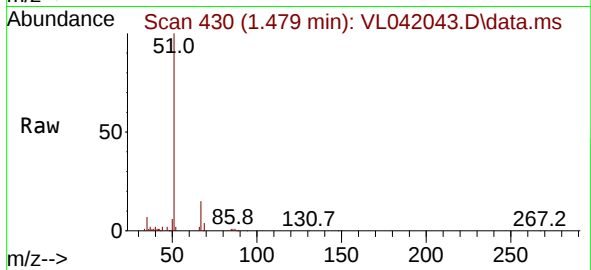
#3
Chlorodifluoromethane
Concen: 0.823 ppbv
RT: 1.479 min Scan# 430
Delta R.T. -0.000 min
Lab File: VL042043.D
Acq: 25 Feb 2025 10:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion: 51 Resp: 25229
Ion Ratio Lower Upper
51 100
67 17.9 13.7 20.5

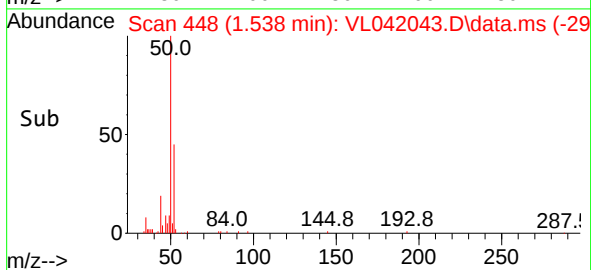
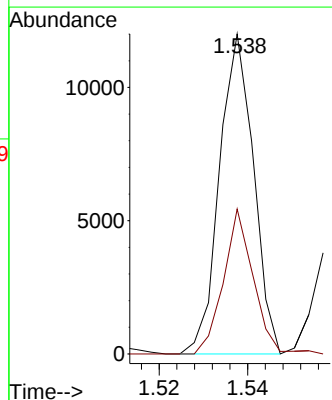
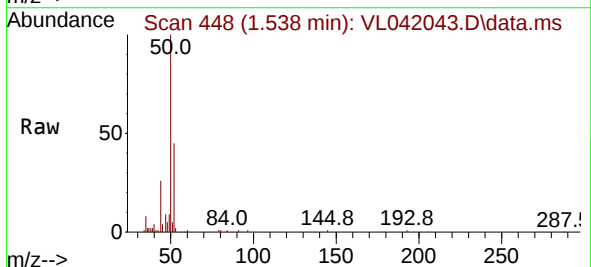
Manual Integrations
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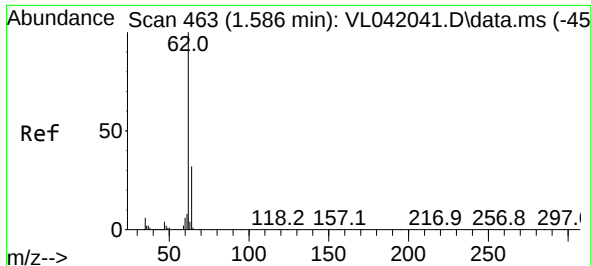
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025



#4
Chloromethane
Concen: 0.595 ppbv
RT: 1.538 min Scan# 448
Delta R.T. -0.000 min
Lab File: VL042043.D
Acq: 25 Feb 2025 10:00

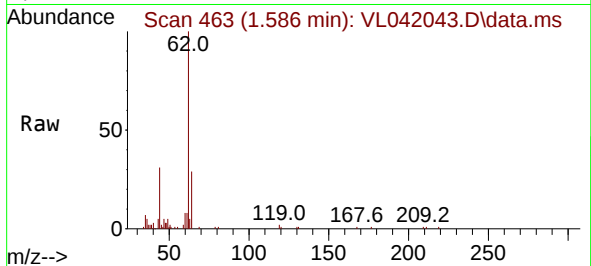
Tgt Ion: 50 Resp: 6417
Ion Ratio Lower Upper
50 100
52 45.3 25.4 38.0#





#5
 Vinyl Chloride
 Concen: 0.432 ppbv
 RT: 1.586 min Scan# 463
 Delta R.T. -0.000 min
 Lab File: VL042043.D
 Acq: 25 Feb 2025 10:00

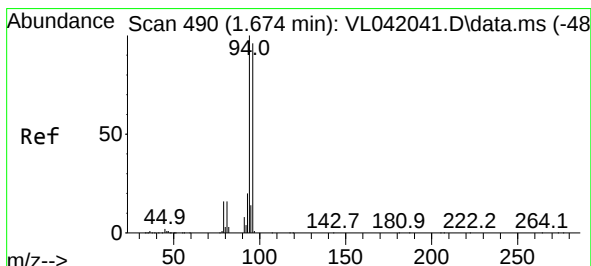
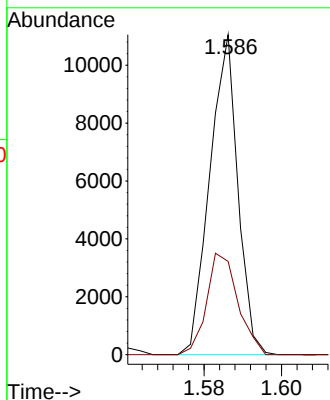
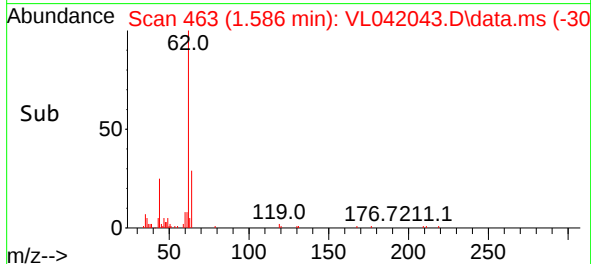
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001



Tgt Ion: 62 Resp: 556
 Ion Ratio Lower Upper
 62 100
 64 29.2 25.3 37.9

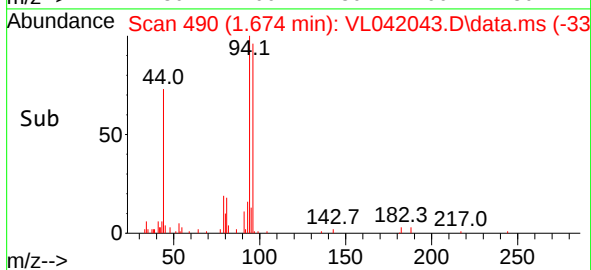
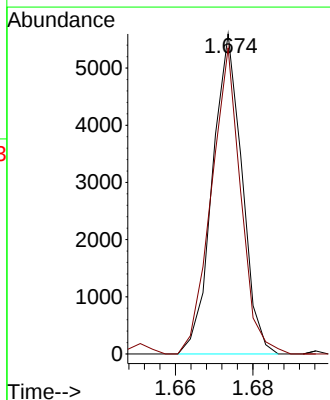
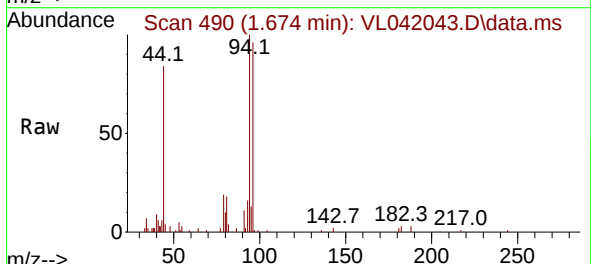
Manual Integrations
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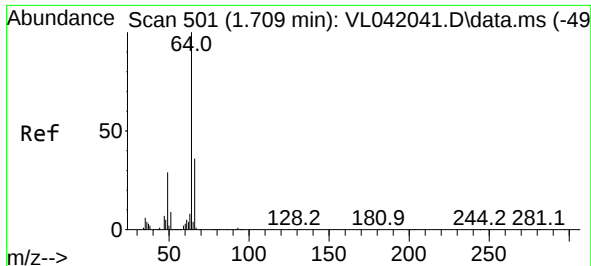
Reviewed By :Semsettin Yesilyurt 02/26/2025
 Supervised By :Mahesh Dadoda 02/26/2025



#6
 Bromomethane
 Concen: 0.594 ppbv
 RT: 1.674 min Scan# 490
 Delta R.T. -0.000 min
 Lab File: VL042043.D
 Acq: 25 Feb 2025 10:00

Tgt Ion: 94 Resp: 2966
 Ion Ratio Lower Upper
 94 100
 96 95.7 76.5 114.7





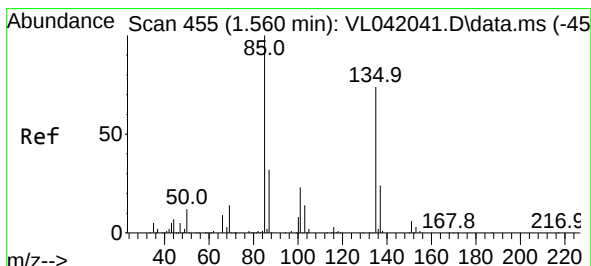
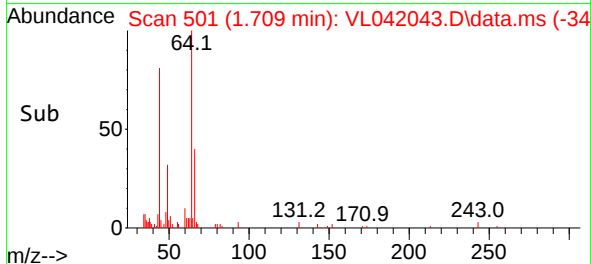
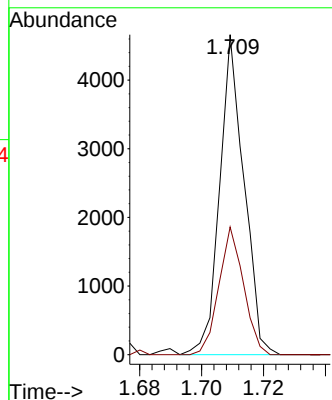
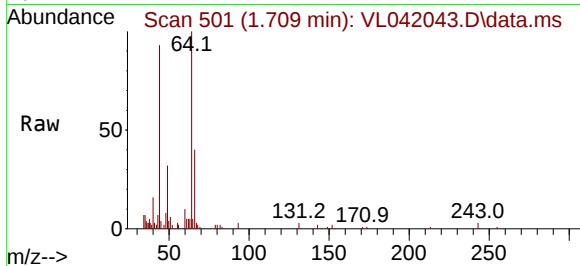
#7
Chloroethane
Concen: 0.605 ppbv
RT: 1.709 min Scan# 501
Delta R.T. -0.000 min
Lab File: VL042043.D
Acq: 25 Feb 2025 10:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion: 64 Resp: 2542
Ion Ratio Lower Upper
64 100
66 37.9 28.4 42.6

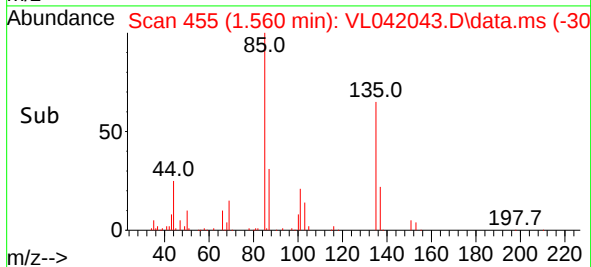
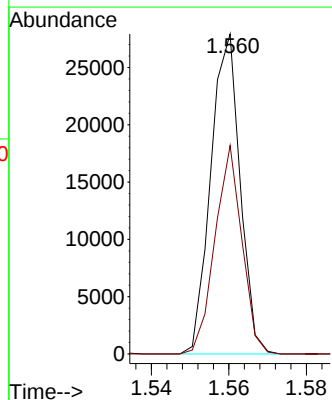
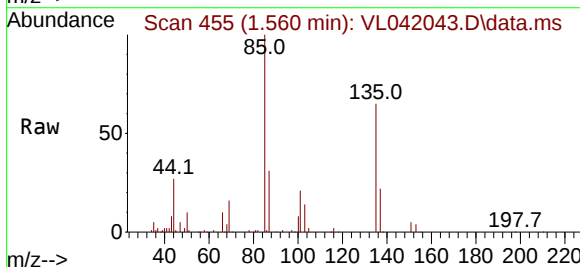
Manual Integrations
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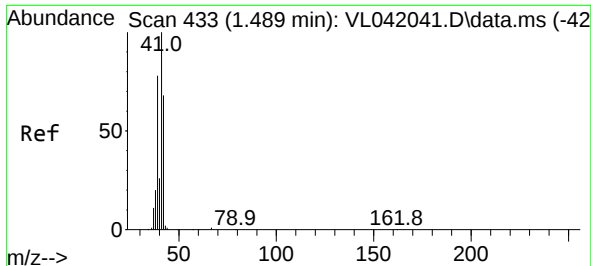
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025



#8
Dichlorotetrafluoroethane
Concen: 0.601 ppbv
RT: 1.560 min Scan# 455
Delta R.T. -0.000 min
Lab File: VL042043.D
Acq: 25 Feb 2025 10:00

Tgt Ion: 85 Resp: 14655
Ion Ratio Lower Upper
85 100
135 59.9 54.6 81.8





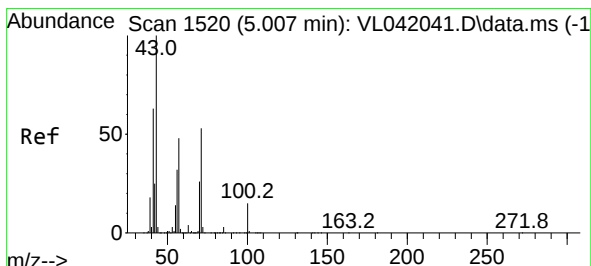
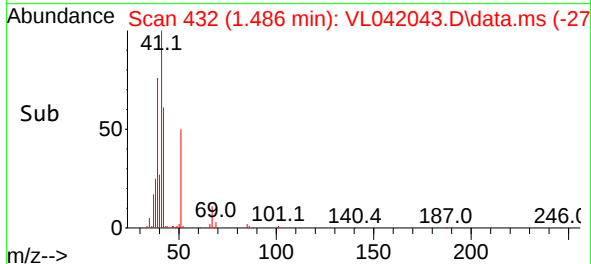
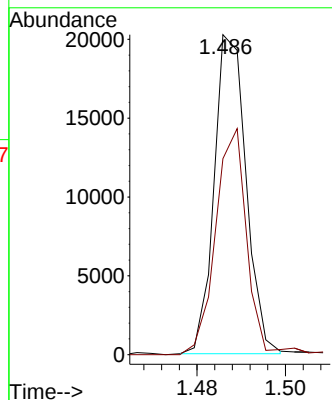
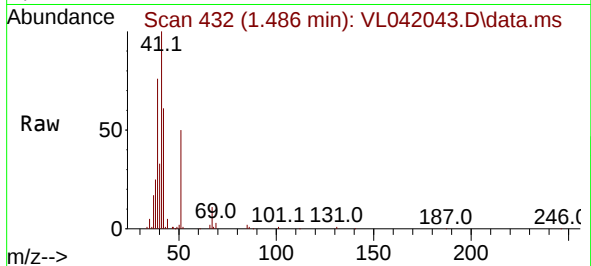
#9
Propene
Concen: 0.768 ppbv
RT: 1.486 min Scan# 41
Delta R.T. -0.003 min
Lab File: VL042043.D
Acq: 25 Feb 2025 10:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion: 41 Resp: 10150
Ion Ratio Lower Upper
41 100
42 72.6 55.8 83.6

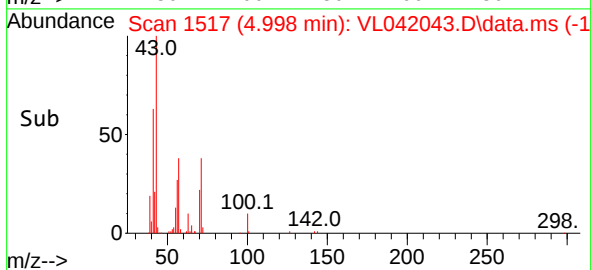
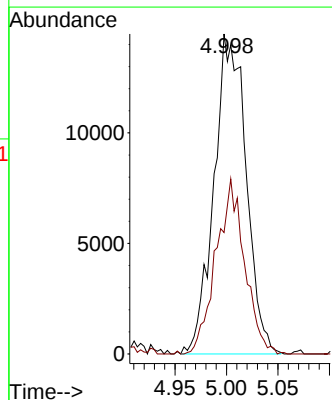
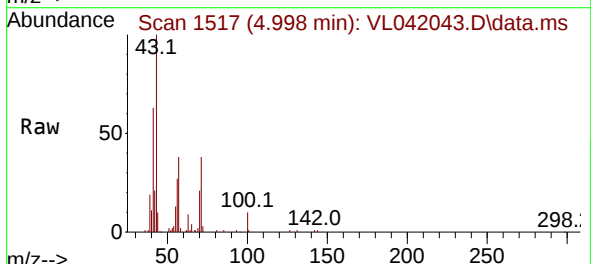
Manual Integrations
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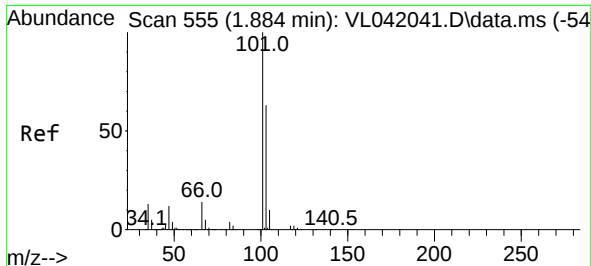
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025



#10
Heptane
Concen: 0.854 ppbv m
RT: 4.998 min Scan# 1517
Delta R.T. -0.010 min
Lab File: VL042043.D
Acq: 25 Feb 2025 10:00

Tgt Ion: 43 Resp: 31354
Ion Ratio Lower Upper
43 100
57 48.7 39.4 59.0





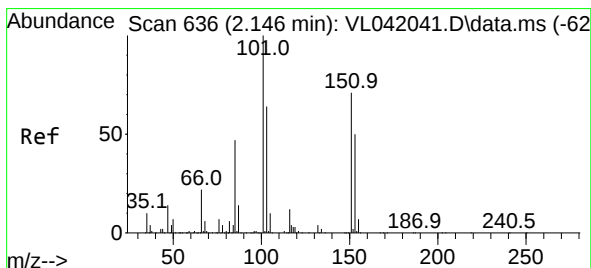
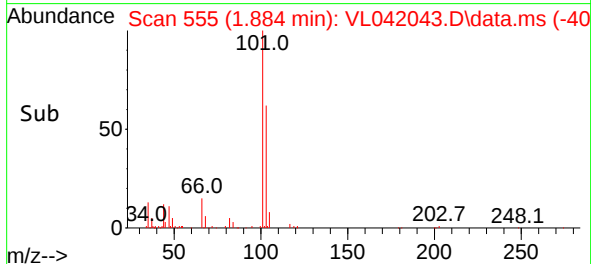
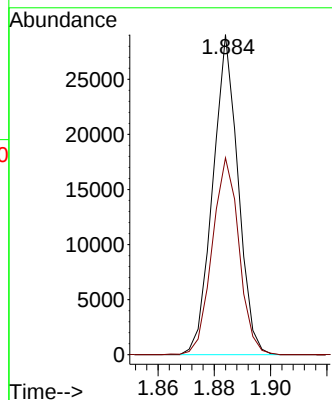
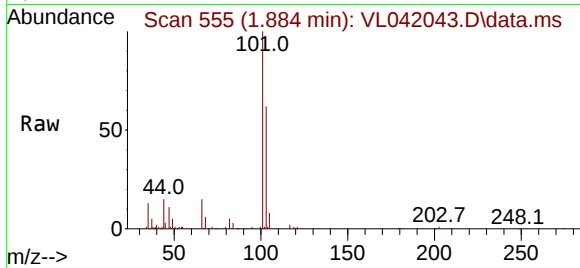
#11
 Trichlorofluoromethane
 Concen: 0.648 ppbv
 RT: 1.884 min Scan# 555
 Delta R.T. -0.000 min
 Lab File: VL042043.D
 Acq: 25 Feb 2025 10:00

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tgt Ion:101 Resp: 18079
 Ion Ratio Lower Upper
 101 100
 103 61.5 50.6 75.8

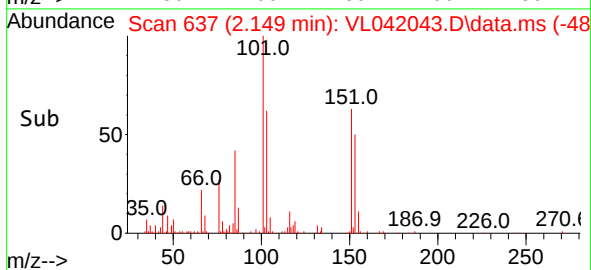
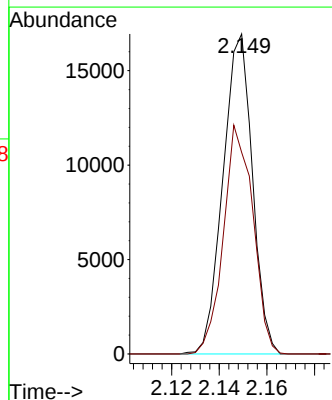
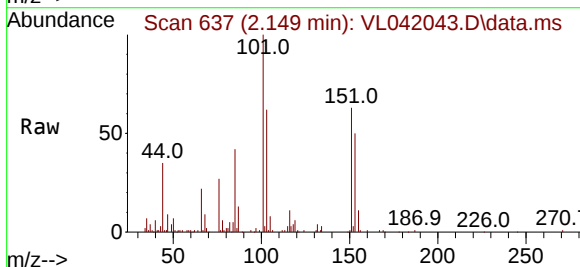
Manual Integrations
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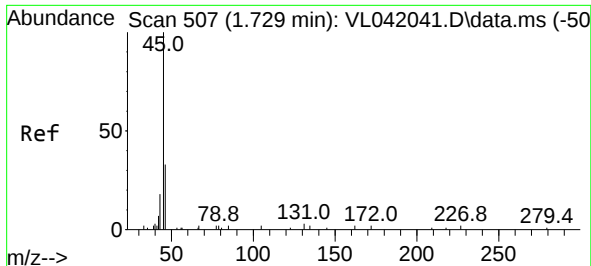
Reviewed By :Semsettin Yesilyurt 02/26/2025
 Supervised By :Mahesh Dadoda 02/26/2025



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.667 ppbv
 RT: 2.149 min Scan# 637
 Delta R.T. 0.003 min
 Lab File: VL042043.D
 Acq: 25 Feb 2025 10:00

Tgt Ion:101 Resp: 14527
 Ion Ratio Lower Upper
 101 100
 151 71.7 62.6 94.0





#13

Ethanol

Concen: 0.614 ppbv m

RT: 1.725 min Scan# 507

Delta R.T. -0.003 min

Lab File: VL042043.D

Acq: 25 Feb 2025 10:00

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tgt Ion: 45 Resp: 915

Ion Ratio Lower Upper

45 100

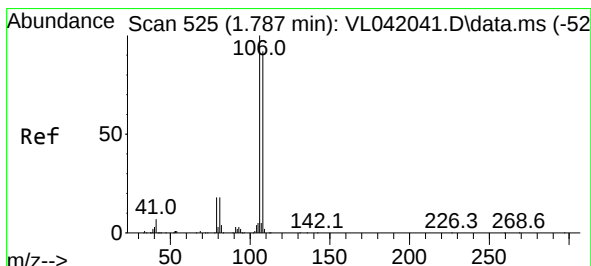
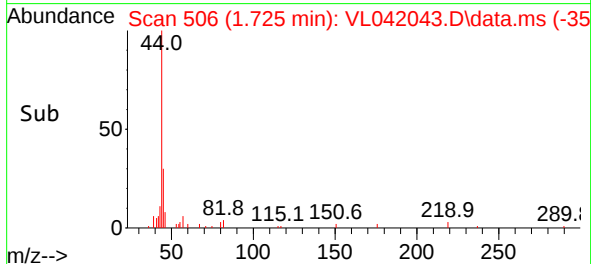
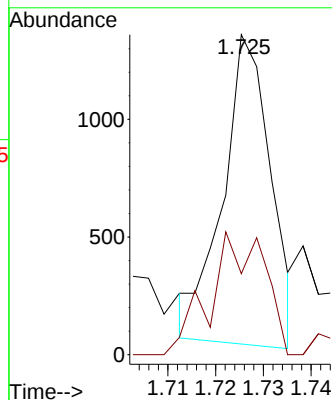
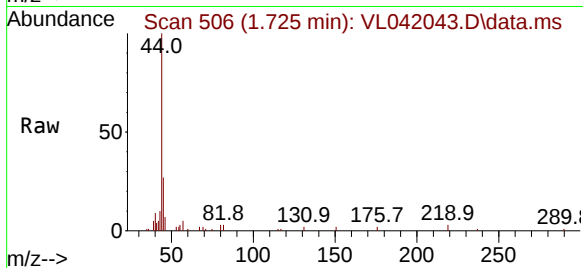
46 44.9 17.1 68.3

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 02/26/2025

Supervised By :Mahesh Dadoda 02/26/2025



#14

Bromoethene

Concen: 0.604 ppbv

RT: 1.787 min Scan# 525

Delta R.T. -0.000 min

Lab File: VL042043.D

Acq: 25 Feb 2025 10:00

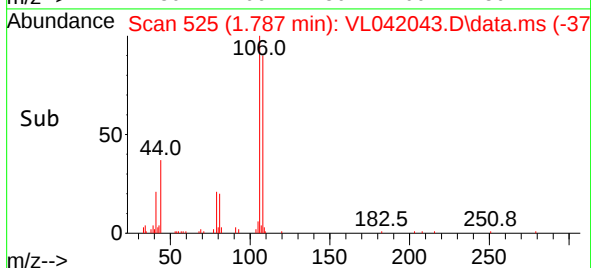
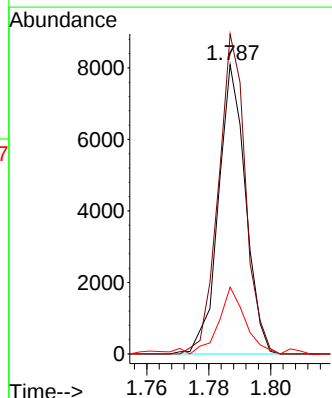
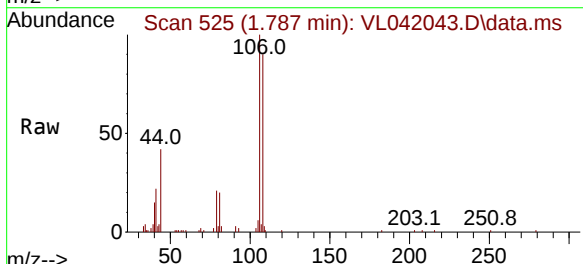
Tgt Ion:108 Resp: 4905

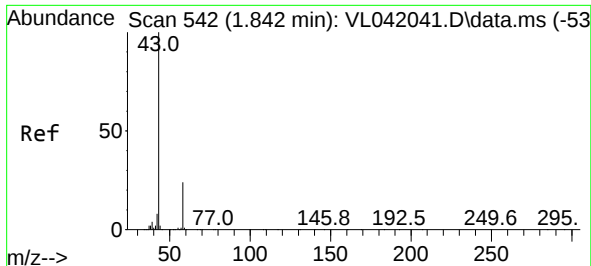
Ion Ratio Lower Upper

108 100

106 110.4 85.4 128.0

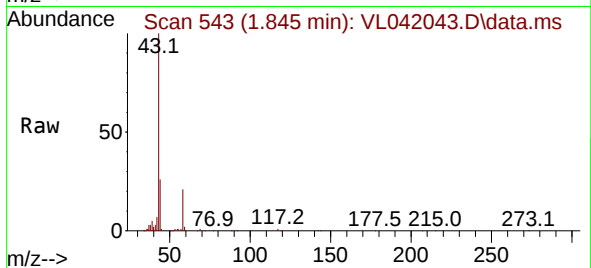
79 24.9 16.5 24.7#





#15
Acetone
Concen: 0.582 ppbv
RT: 1.845 min Scan# 542
Delta R.T. 0.003 min
Lab File: VL042043.D
Acq: 25 Feb 2025 10:00

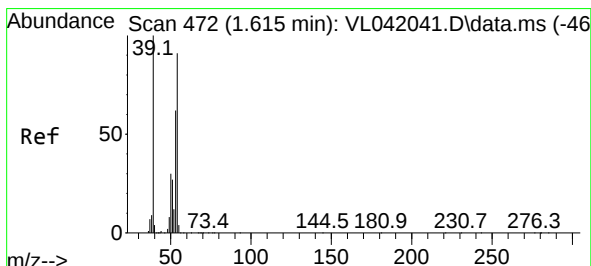
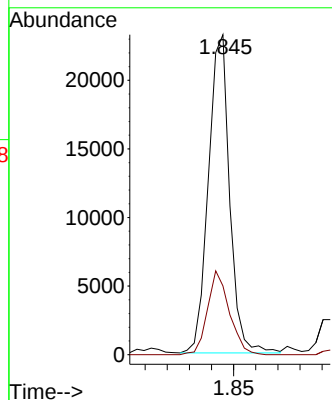
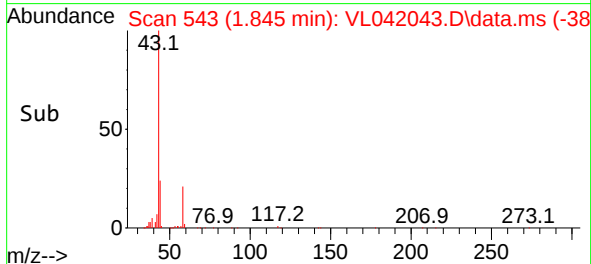
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



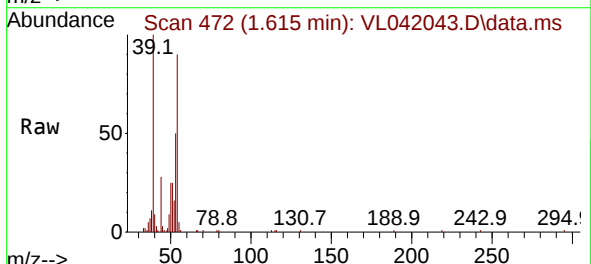
Tgt Ion: 43 Resp: 15468
Ion Ratio Lower Upper
43 100
58 27.1 20.7 31.1

Manual Integrations
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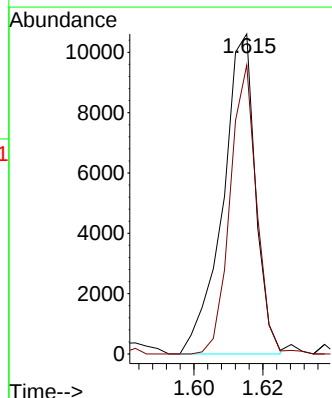
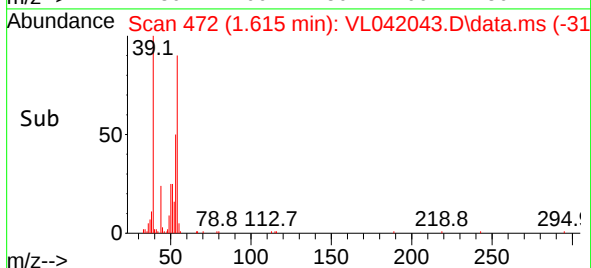
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

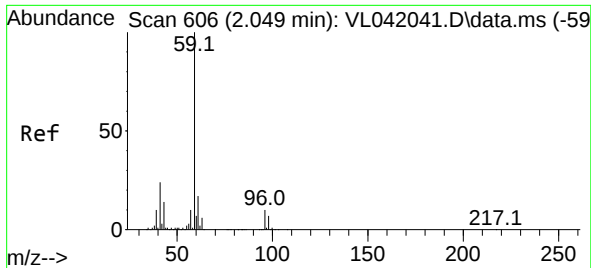


#16
1,3-Butadiene
Concen: 0.556 ppbv
RT: 1.615 min Scan# 472
Delta R.T. -0.000 min
Lab File: VL042043.D
Acq: 25 Feb 2025 10:00



Tgt Ion: 39 Resp: 7010
Ion Ratio Lower Upper
39 100
54 74.0 59.6 89.4





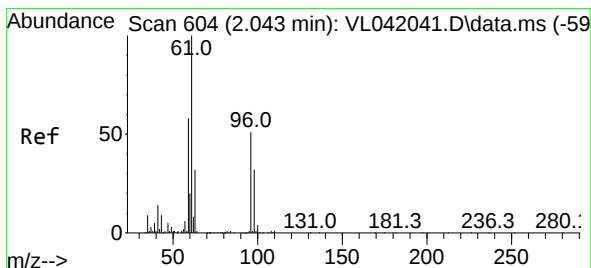
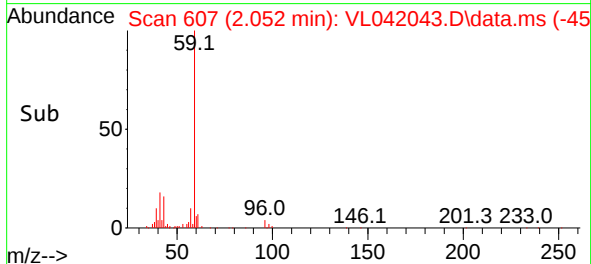
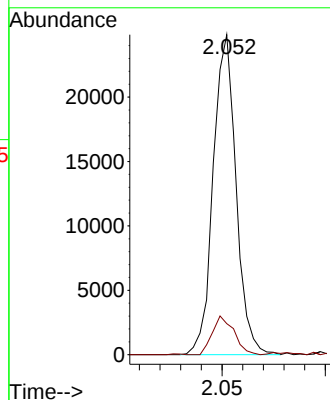
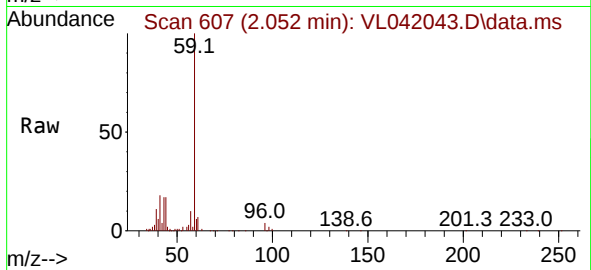
#17
tert-Butyl alcohol
Concen: 0.580 ppbv
RT: 2.052 min Scan# 607
Delta R.T. 0.003 min
Lab File: VL042043.D
Acq: 25 Feb 2025 10:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion: 59 Resp: 19092
Ion Ratio Lower Upper
59 100
57 12.6 9.3 13.9

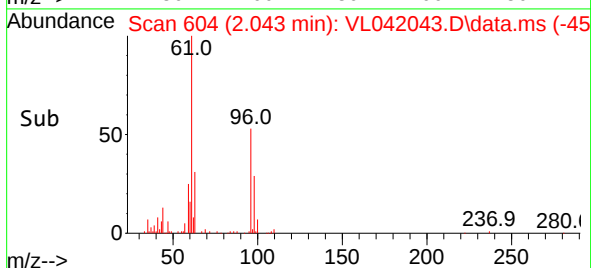
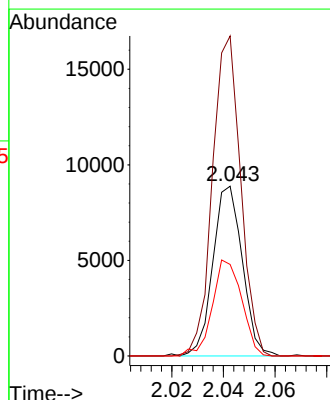
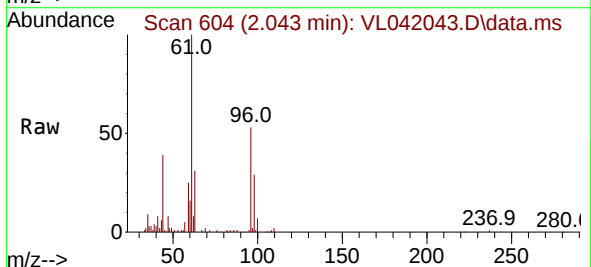
Manual Integrations
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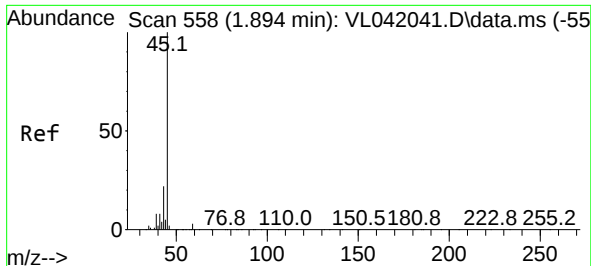
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025



#18
1,1-Dichloroethene
Concen: 0.677 ppbv
RT: 2.043 min Scan# 604
Delta R.T. -0.000 min
Lab File: VL042043.D
Acq: 25 Feb 2025 10:00

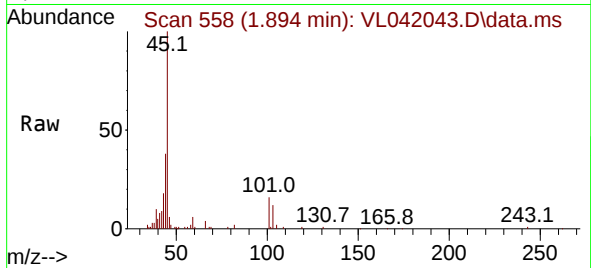
Tgt Ion: 96 Resp: 7042
Ion Ratio Lower Upper
96 100
61 188.5 156.0 234.0
98 53.9 49.4 74.2





#19
Isopropyl Alcohol
Concen: 0.616 ppbv
RT: 1.894 min Scan# 558
Delta R.T. -0.000 min
Lab File: VL042043.D
Acq: 25 Feb 2025 10:00

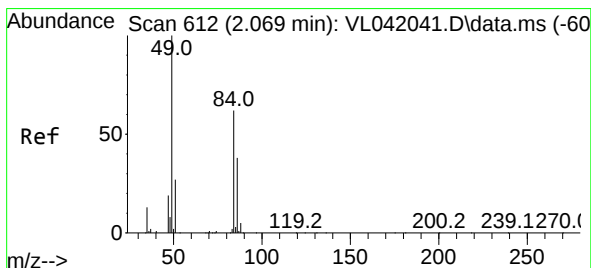
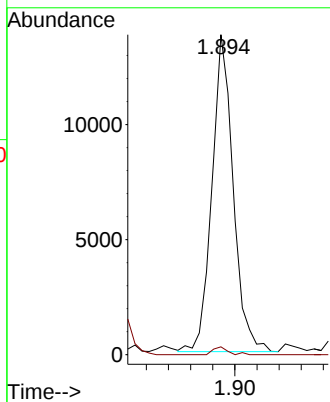
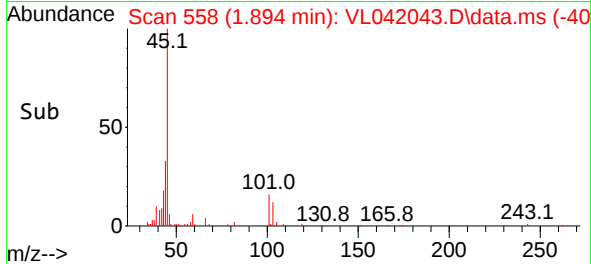
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



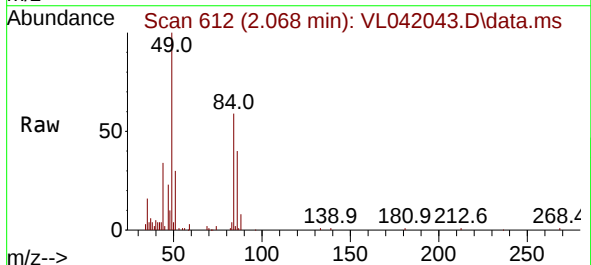
Tgt Ion: 45 Resp: 919
Ion Ratio Lower Upper
45 100
58 0.0 35.3 52.9

Manual Integrations
APPROVED

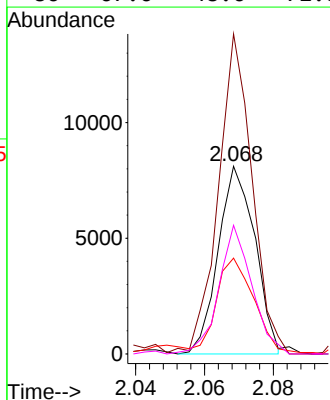
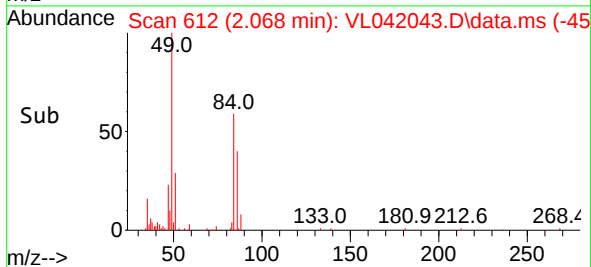
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

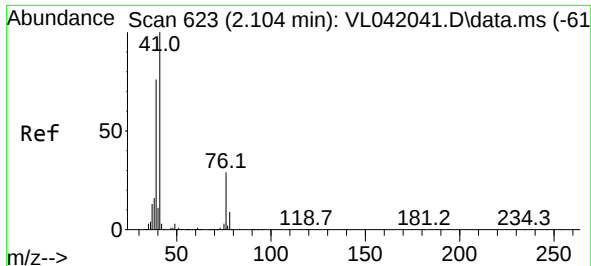


#20
Methylene Chloride
Concen: 0.602 ppbv
RT: 2.068 min Scan# 612
Delta R.T. -0.000 min
Lab File: VL042043.D
Acq: 25 Feb 2025 10:00



Tgt Ion: 84 Resp: 6026
Ion Ratio Lower Upper
84 100
49 167.5 130.0 195.0
51 48.3 37.4 56.0
86 67.6 48.6 72.8





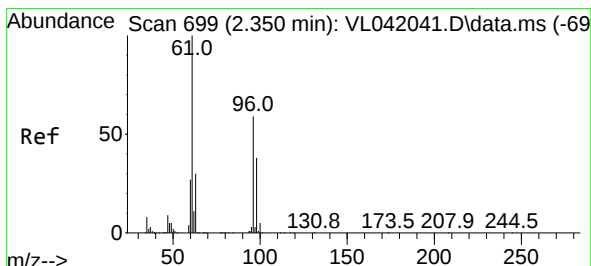
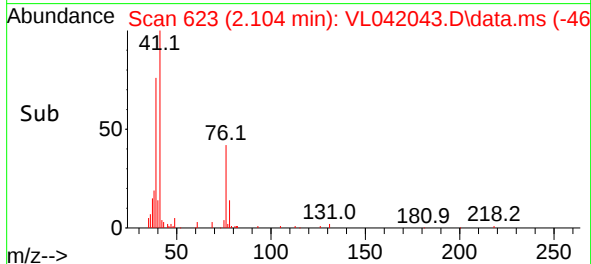
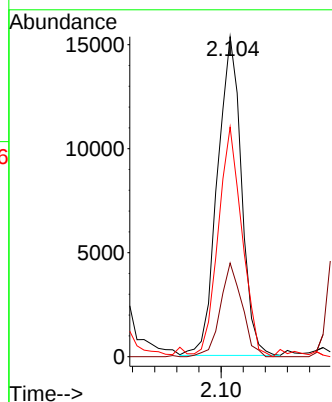
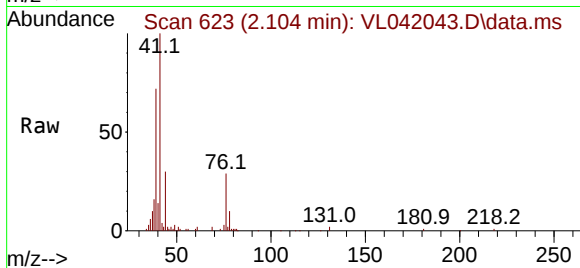
#21
 Allyl Chloride
 Concen: 0.600 ppbv
 RT: 2.104 min Scan# 61
 Delta R.T. -0.000 min
 Lab File: VL042043.D
 Acq: 25 Feb 2025 10:00

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tgt Ion: 41 Resp: 11550
 Ion Ratio Lower Upper
 41 100
 76 26.6 23.8 35.6
 39 75.1 63.8 95.6

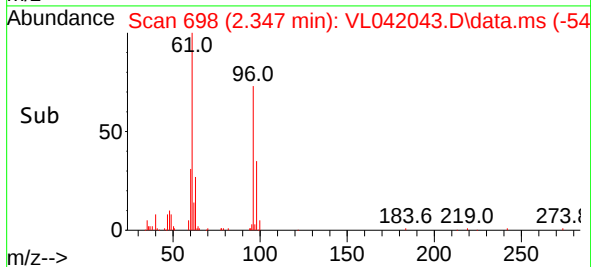
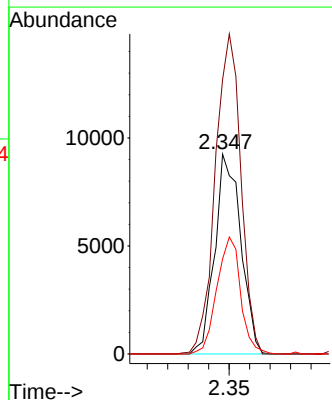
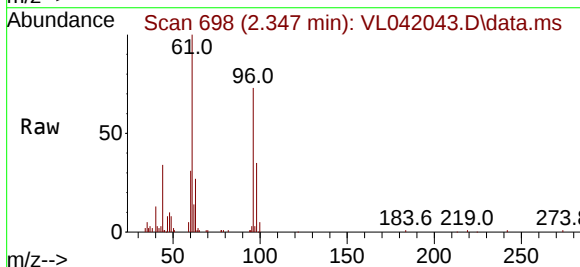
Manual Integrations
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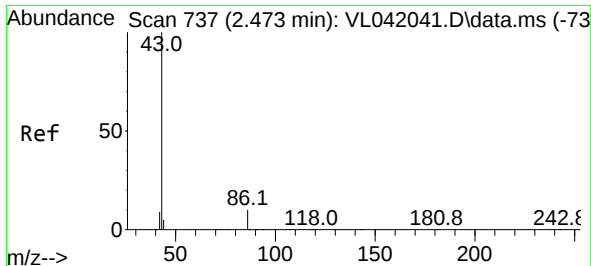
Reviewed By :Semsettin Yesilyurt 02/26/2025
 Supervised By :Mahesh Dadoda 02/26/2025



#22
 trans-1,2-Dichloroethene
 Concen: 0.722 ppbv m
 RT: 2.347 min Scan# 698
 Delta R.T. -0.003 min
 Lab File: VL042043.D
 Acq: 25 Feb 2025 10:00

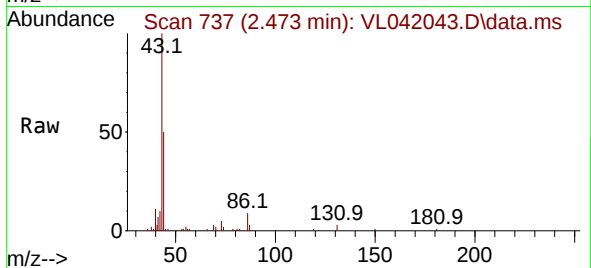
Tgt Ion: 96 Resp: 8145
 Ion Ratio Lower Upper
 96 100
 61 137.3 136.6 205.0
 98 47.5 51.8 77.6#





#23
 Vinyl Acetate
 Concen: 0.687 ppbv
 RT: 2.473 min Scan# 71
 Delta R.T. -0.000 min
 Lab File: VL042043.D
 Acq: 25 Feb 2025 10:00

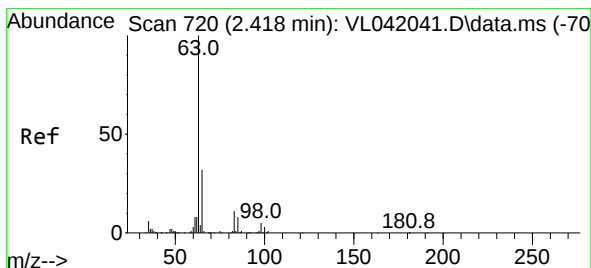
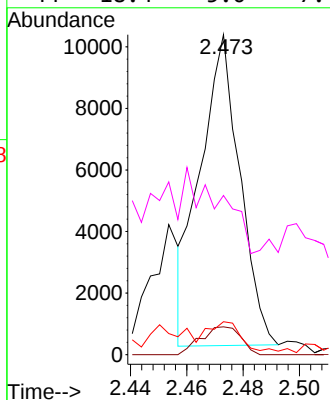
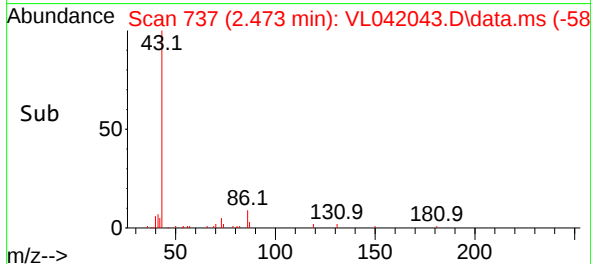
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001



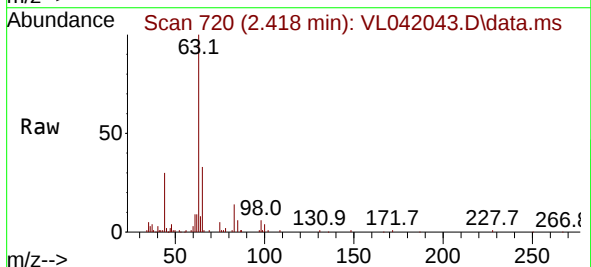
Tgt Ion: 43 Resp: 989
 Ion Ratio Lower Upper
 43 100
 86 9.0 7.0 10.4
 42 9.5 7.6 11.4
 44 18.4 5.0 7.4#

Manual Integrations
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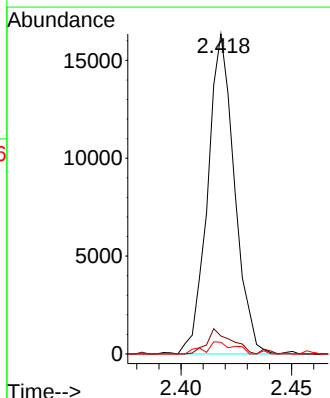
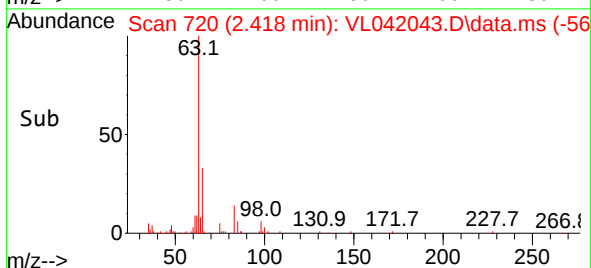
Reviewed By :Semsettin Yesilyurt 02/26/2025
 Supervised By :Mahesh Dadoda 02/26/2025

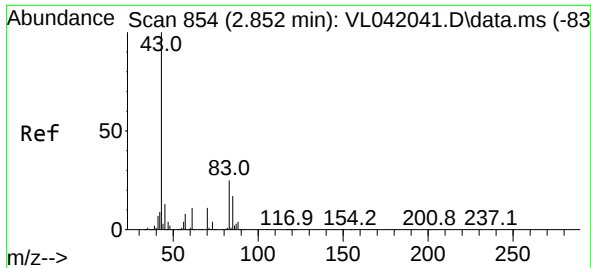


#24
 1,1-Dichloroethane
 Concen: 0.601 ppbv
 RT: 2.418 min Scan# 720
 Delta R.T. -0.000 min
 Lab File: VL042043.D
 Acq: 25 Feb 2025 10:00



Tgt Ion: 63 Resp: 13783
 Ion Ratio Lower Upper
 63 100
 98 5.6 2.4 7.2
 100 3.6 1.7 5.0





#25
Ethyl Acetate
Concen: 0.811 ppbv
RT: 2.852 min Scan# 811
Delta R.T. -0.000 min
Lab File: VL042043.D
Acq: 25 Feb 2025 10:00

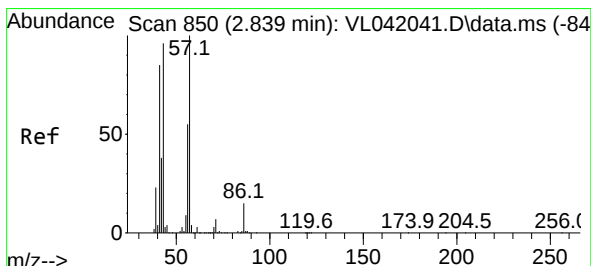
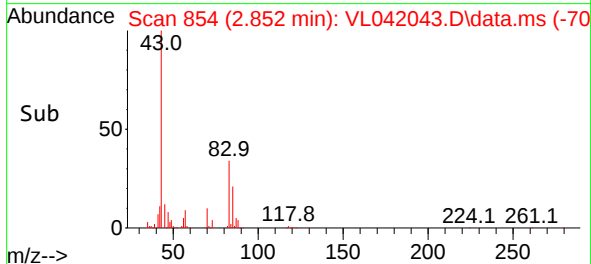
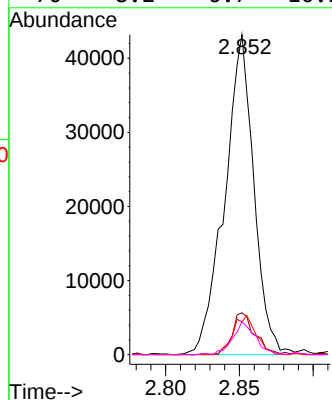
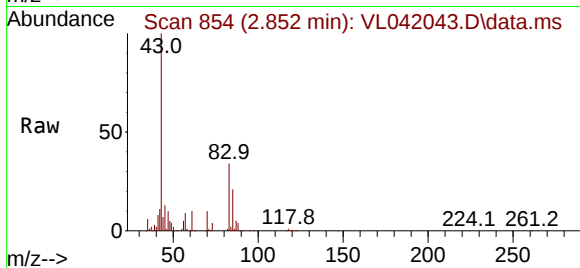
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion: 43 Resp: 5918

Ion	Ratio	Lower	Upper
43	100		
45	10.6	8.1	12.1
61	9.7	7.2	10.8
70	8.2	6.7	10.1

Manual Integrations
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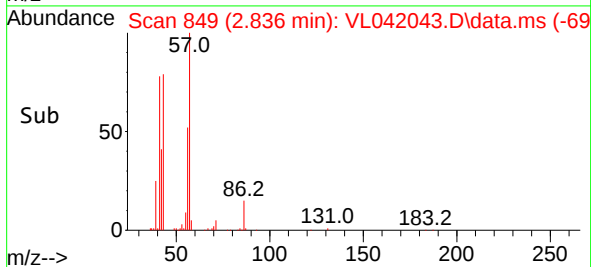
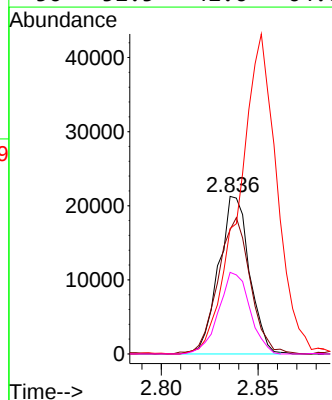
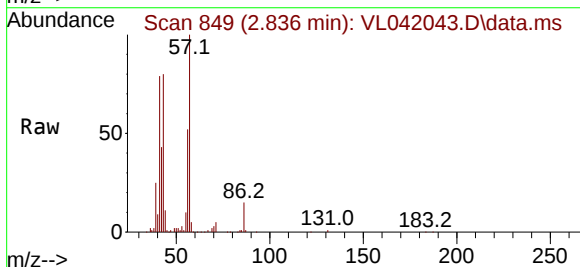
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025



#26
Hexane
Concen: 0.804 ppbv
RT: 2.836 min Scan# 849
Delta R.T. -0.003 min
Lab File: VL042043.D
Acq: 25 Feb 2025 10:00

Tgt Ion: 57 Resp: 23549

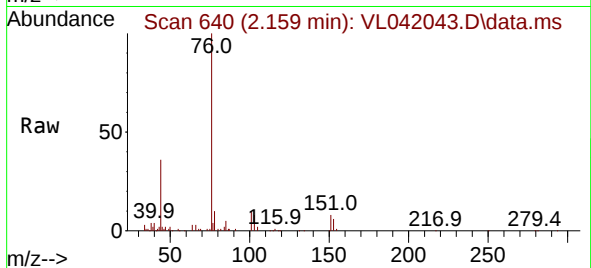
Ion	Ratio	Lower	Upper
57	100		
41	92.1	70.6	106.0
43	256.7	199.4	299.0
56	52.5	42.6	64.0





#27
Carbon Disulfide
Concen: 0.568 ppbv
RT: 2.159 min Scan# 640
Delta R.T. -0.000 min
Lab File: VL042043.D
Acq: 25 Feb 2025 10:00

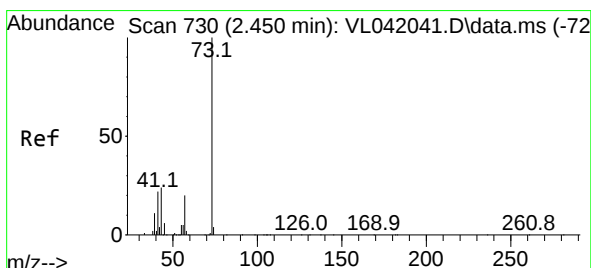
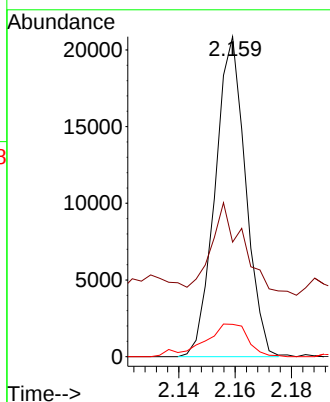
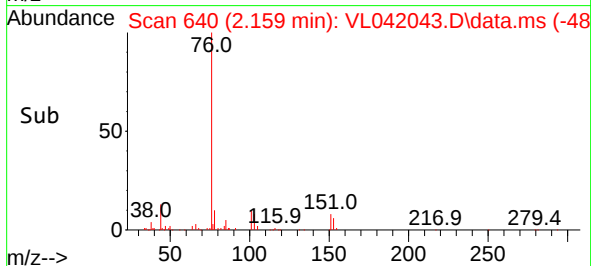
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



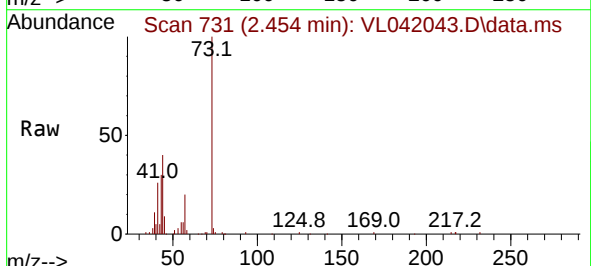
Tgt Ion: 76 Resp: 15659
Ion Ratio Lower Upper
76 100
44 57.5 16.2 24.2
78 14.7 9.4 14.0

Manual Integrations
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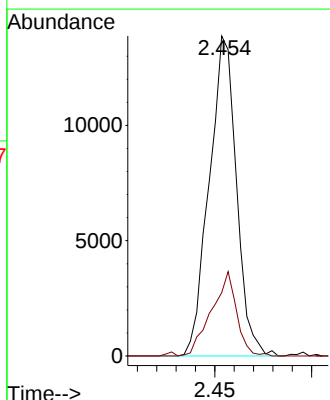
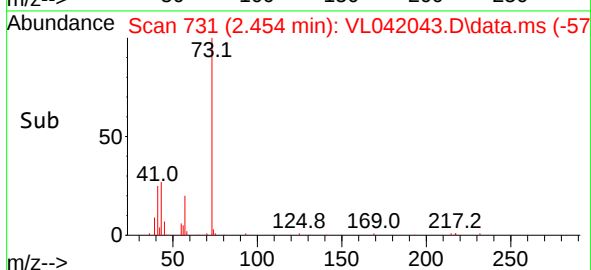
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

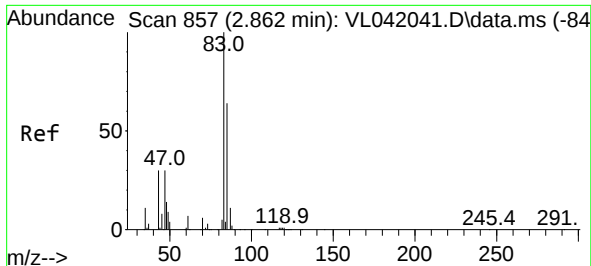


#28
Methyl tert-Butyl Ether
Concen: 0.759 ppbv
RT: 2.454 min Scan# 731
Delta R.T. 0.003 min
Lab File: VL042043.D
Acq: 25 Feb 2025 10:00



Tgt Ion: 73 Resp: 13593
Ion Ratio Lower Upper
73 100
57 24.5 17.7 26.5





#29

Chloroform

Concen: 0.776 ppbv

RT: 2.861 min Scan# 857

Delta R.T. -0.000 min

Lab File: VL042043.D

Acq: 25 Feb 2025 10:00

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tgt Ion: 83 Resp: 3292

Ion Ratio Lower Upper

83 100

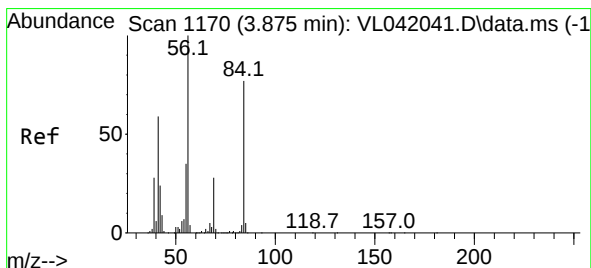
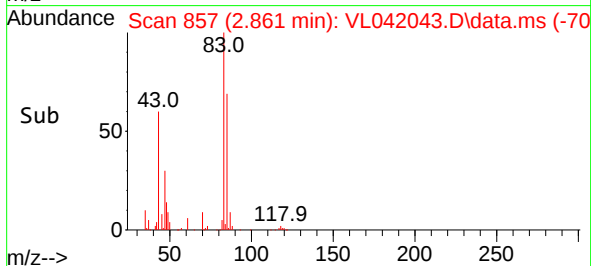
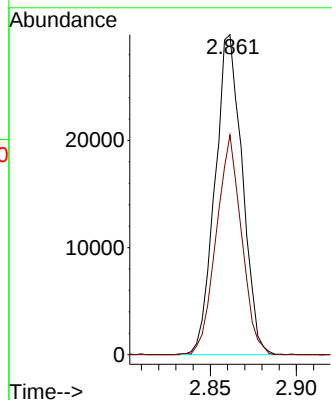
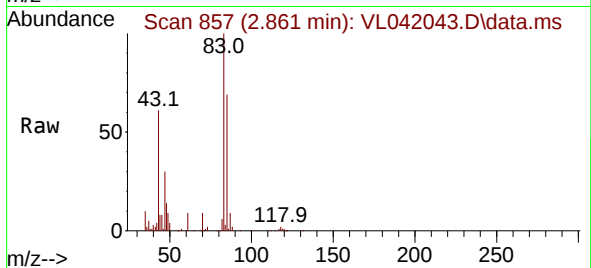
85 68.5 51.2 76.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/26/2025

Supervised By :Mahesh Dadoda 02/26/2025



#30

Cyclohexane

Concen: 0.840 ppbv

RT: 3.874 min Scan# 1170

Delta R.T. -0.000 min

Lab File: VL042043.D

Acq: 25 Feb 2025 10:00

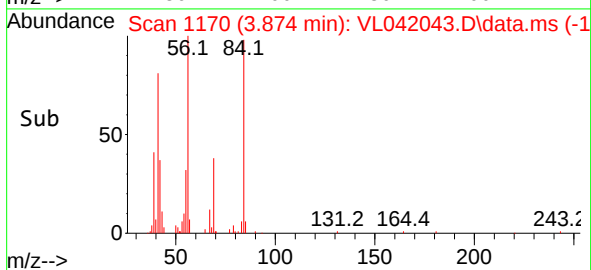
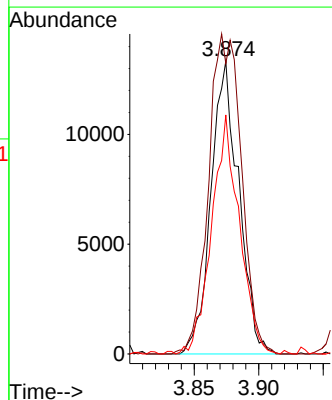
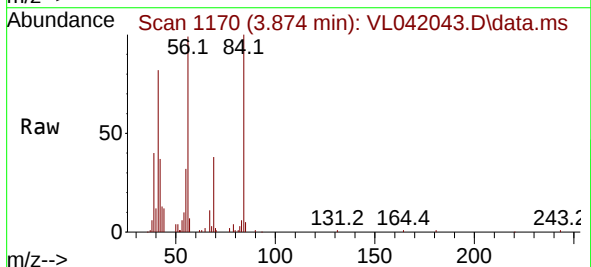
Tgt Ion: 84 Resp: 19953

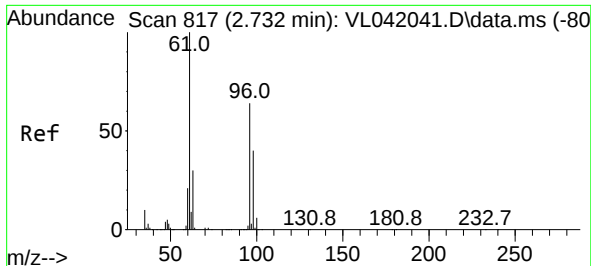
Ion Ratio Lower Upper

84 100

56 129.3 101.5 152.3

41 82.1 62.6 93.8





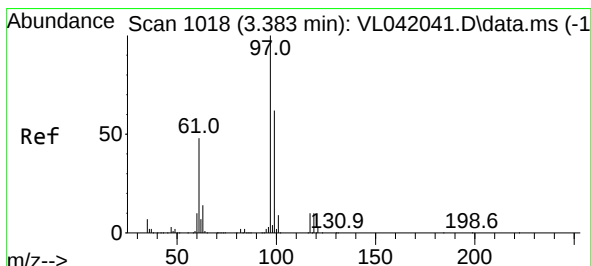
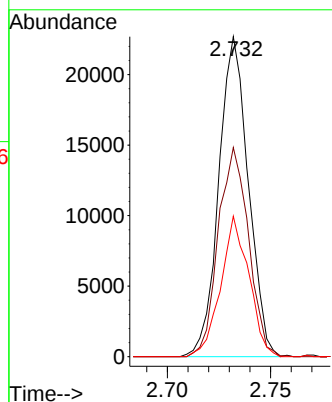
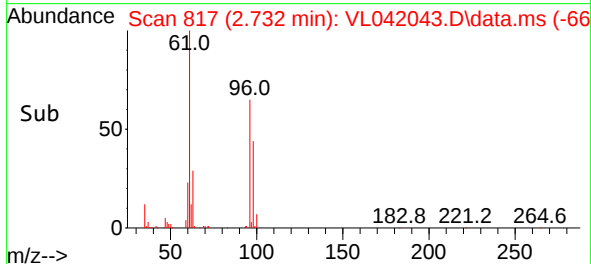
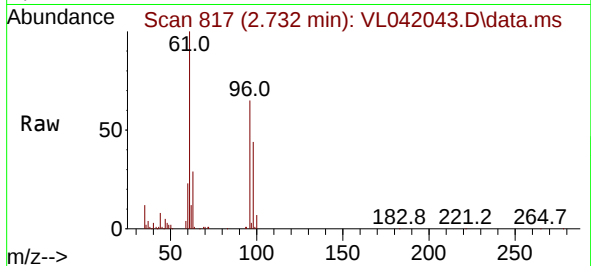
#31
 cis-1,2-Dichloroethene
 Concen: 0.780 ppbv
 RT: 2.732 min Scan# 817
 Delta R.T. -0.000 min
 Lab File: VL042043.D
 Acq: 25 Feb 2025 10:00

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tgt Ion: 61 Resp: 2256
 Ion Ratio Lower Upper
 61 100
 96 65.3 51.5 77.3
 98 43.9 32.0 48.0

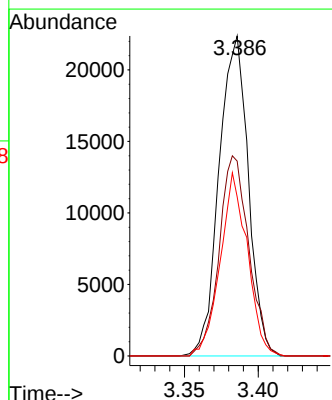
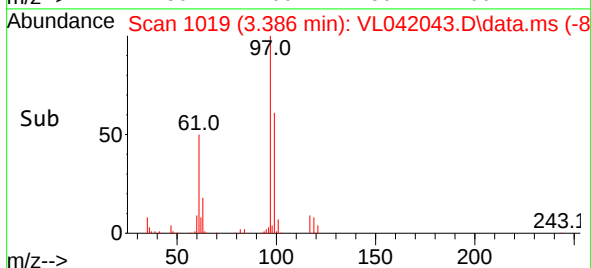
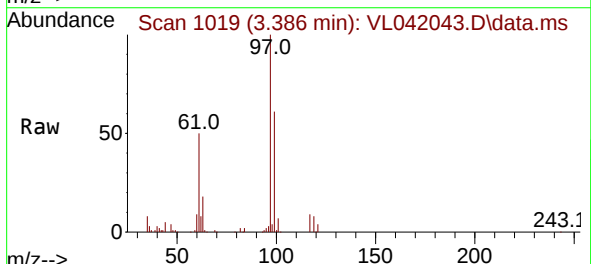
Manual Integrations
 APPROVED

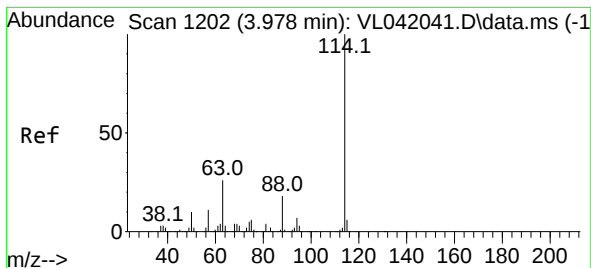
Reviewed By :Semsettin Yesilyurt 02/26/2025
 Supervised By :Mahesh Dadoda 02/26/2025



#32
 1,1,1-Trichloroethane
 Concen: 0.656 ppbv
 RT: 3.386 min Scan# 1019
 Delta R.T. 0.003 min
 Lab File: VL042043.D
 Acq: 25 Feb 2025 10:00

Tgt Ion: 97 Resp: 30870
 Ion Ratio Lower Upper
 97 100
 99 63.6 49.8 74.6
 61 53.1 38.9 58.3





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.978 min Scan# 114

Delta R.T. -0.000 min

Lab File: VL042043.D

Acq: 25 Feb 2025 10:00

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tgt Ion:114 Resp: 42336

Ion Ratio Lower Upper

114 100

63 25.5 20.1 30.1

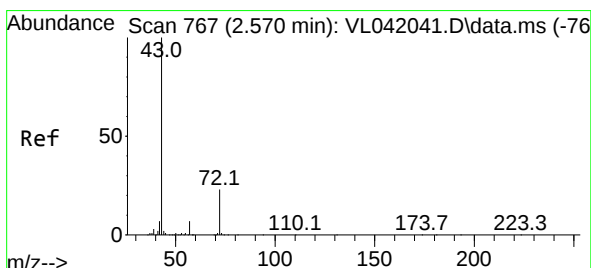
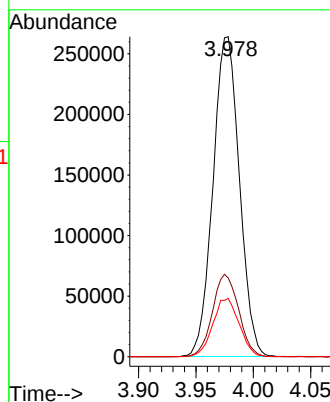
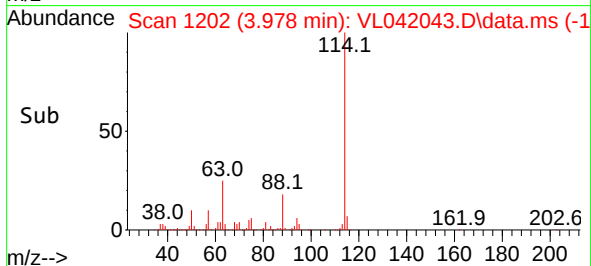
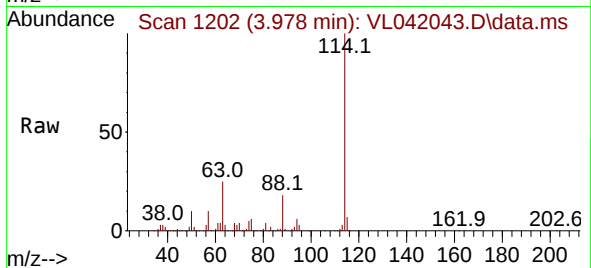
88 18.2 14.3 21.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/26/2025

Supervised By :Mahesh Dadoda 02/26/2025



#34

2-Butanone

Concen: 0.929 ppbv

RT: 2.570 min Scan# 767

Delta R.T. -0.000 min

Lab File: VL042043.D

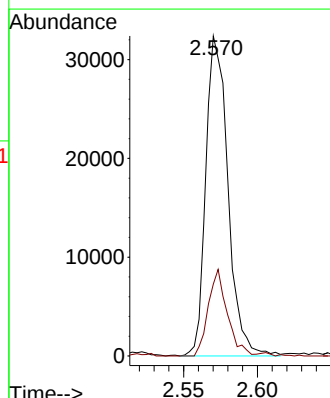
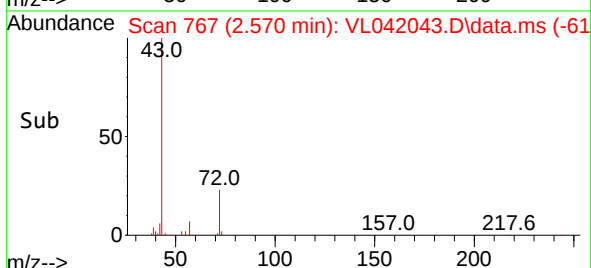
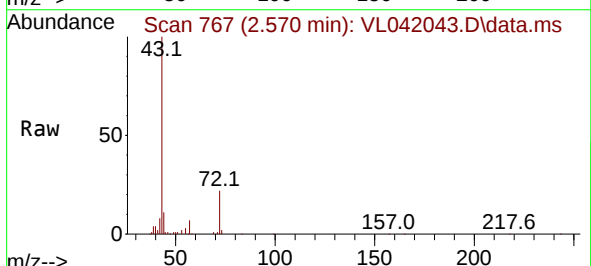
Acq: 25 Feb 2025 10:00

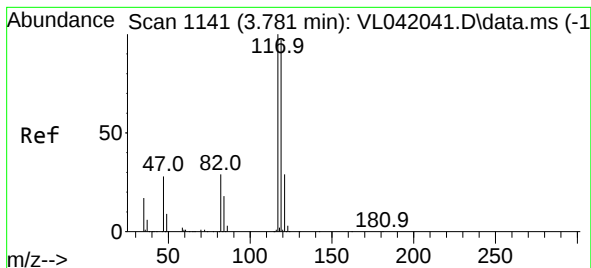
Tgt Ion: 43 Resp: 33820

Ion Ratio Lower Upper

43 100

72 23.8 18.5 27.7





#35

Carbon Tetrachloride

Concen: 0.745 ppbv

RT: 3.777 min Scan# 1141

Delta R.T. -0.003 min

Lab File: VL042043.D

Acq: 25 Feb 2025 10:00

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC001

Tgt Ion:117 Resp: 30618

Ion Ratio Lower Upper

117 100

119 108.5 77.8 116.8

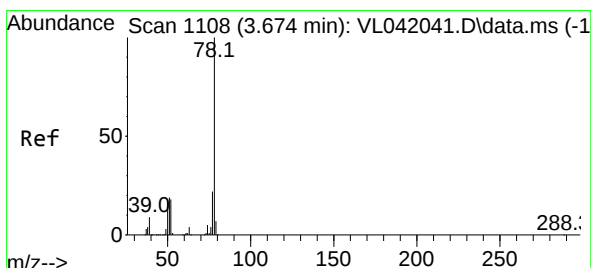
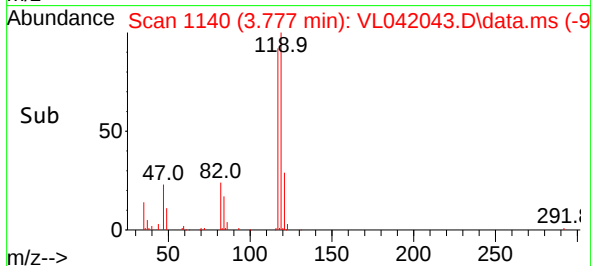
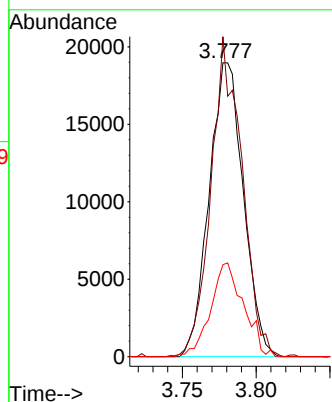
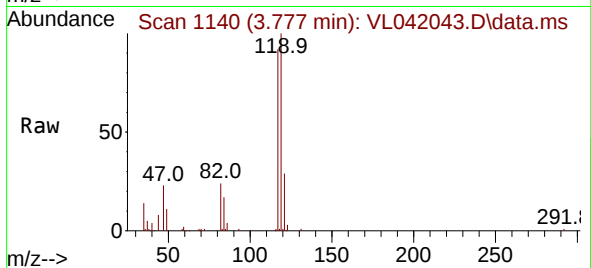
121 31.3 23.4 35.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/26/2025

Supervised By :Mahesh Dadoda 02/26/2025



#36

Benzene

Concen: 0.895 ppbv

RT: 3.674 min Scan# 1108

Delta R.T. -0.000 min

Lab File: VL042043.D

Acq: 25 Feb 2025 10:00

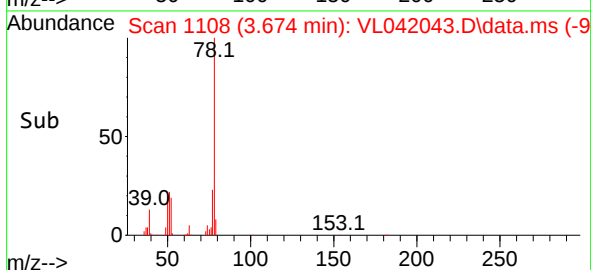
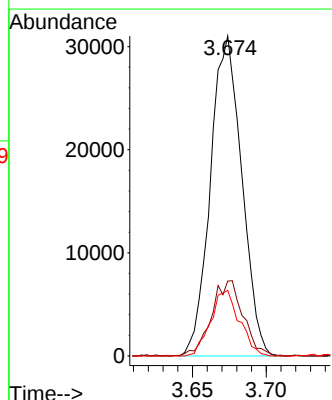
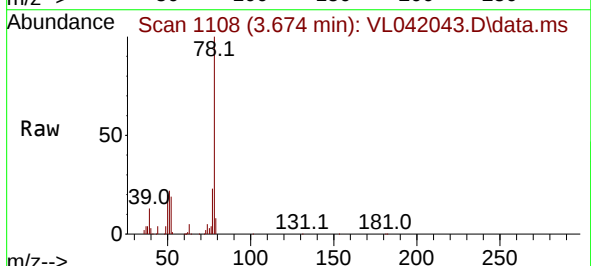
Tgt Ion: 78 Resp: 45892

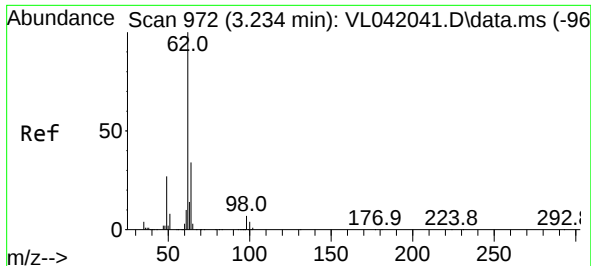
Ion Ratio Lower Upper

78 100

77 23.2 17.7 26.5

50 20.5 13.9 20.9





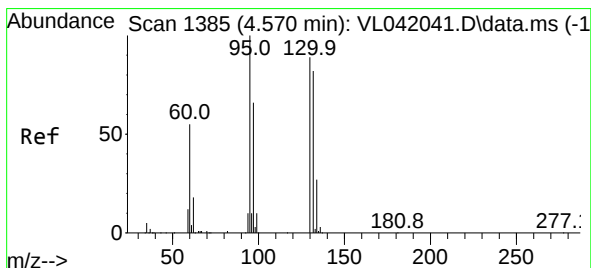
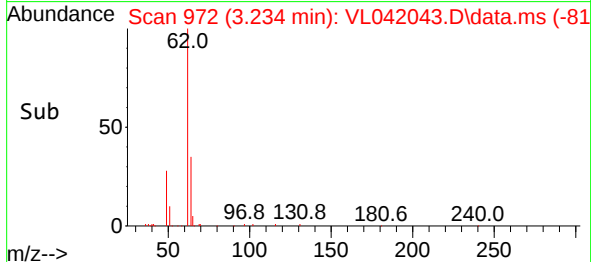
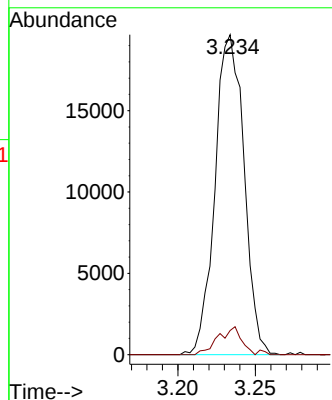
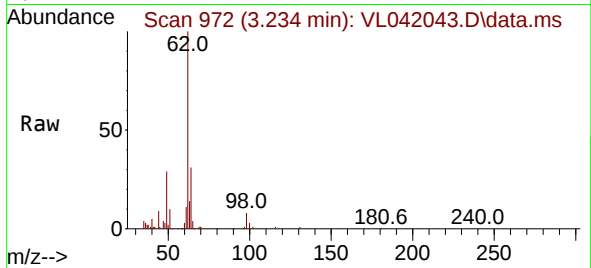
#37
1,2-Dichloroethane
Concen: 0.876 ppbv
RT: 3.234 min Scan# 91
Delta R.T. -0.000 min
Lab File: VL042043.D
Acq: 25 Feb 2025 10:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion: 62 Resp: 2558
Ion Ratio Lower Upper
62 100
98 7.4 5.7 8.5

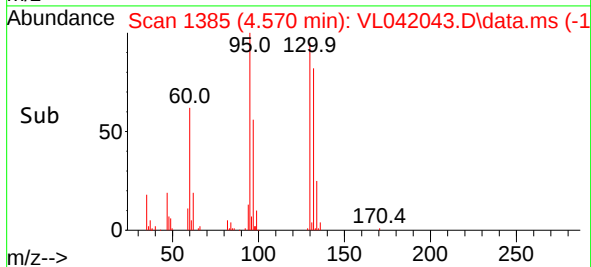
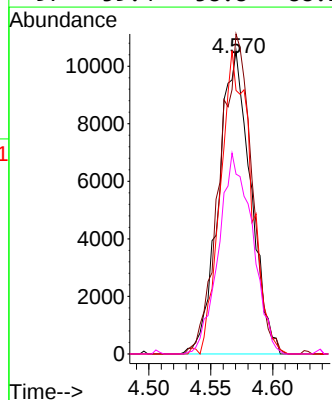
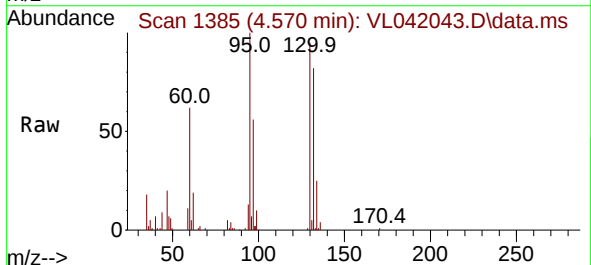
Manual Integrations
APPROVED

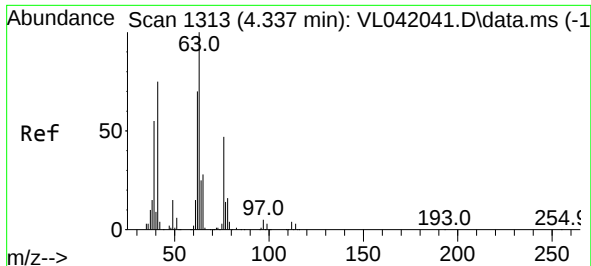
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025



#38
Trichloroethene
Concen: 0.908 ppbv
RT: 4.570 min Scan# 1385
Delta R.T. -0.000 min
Lab File: VL042043.D
Acq: 25 Feb 2025 10:00

Tgt Ion:130 Resp: 18921
Ion Ratio Lower Upper
130 100
95 105.7 89.5 134.3
132 87.0 73.8 110.6
97 59.4 58.8 88.2





#39

1,2-Dichloropropane

Concen: 0.934 ppbv

RT: 4.334 min Scan# 11

Delta R.T. -0.003 min

Lab File: VL042043.D

Acq: 25 Feb 2025 10:00

Instrument :

MSVOA_L

ClientSampleId :

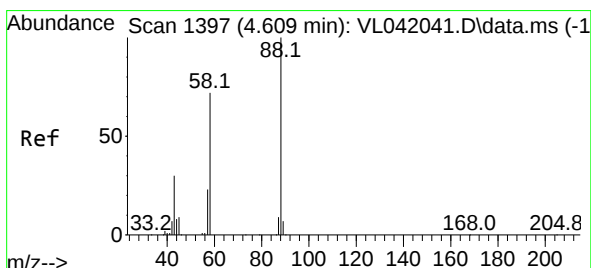
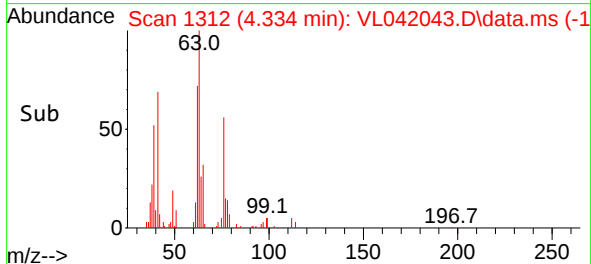
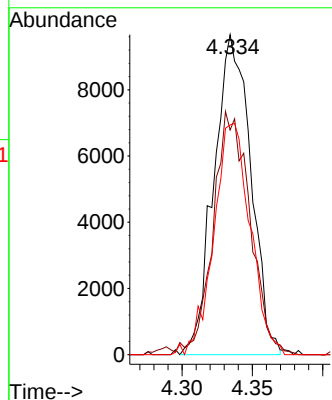
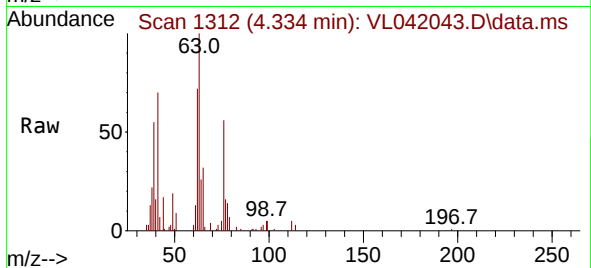
VSTDICC001

Tgt Ion: 63	Resp: 1755
Ion Ratio	Lower Upper
63 100	
41 67.2	60.1 90.1
62 68.5	55.8 83.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025



#40

1,4-Dioxane

Concen: 0.850 ppbv m

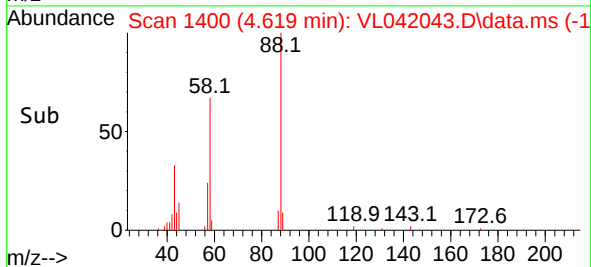
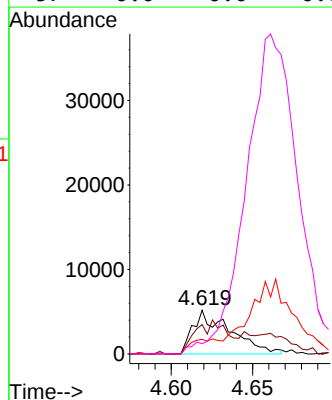
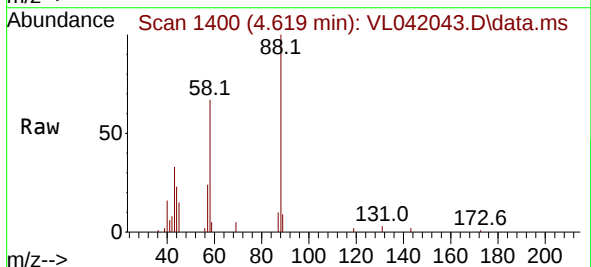
RT: 4.619 min Scan# 1400

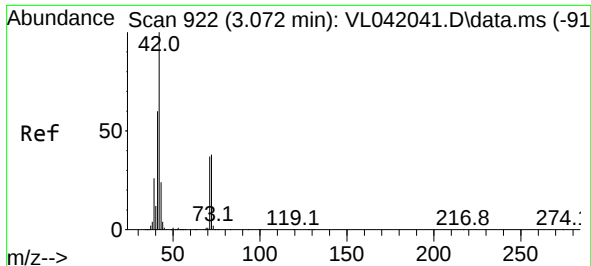
Delta R.T. 0.010 min

Lab File: VL042043.D

Acq: 25 Feb 2025 10:00

Tgt Ion: 88	Resp: 8319
Ion Ratio	Lower Upper
88 100	
58 123.2	62.6 94.0#
43 0.0	0.0 0.0
57 0.0	0.0 0.0





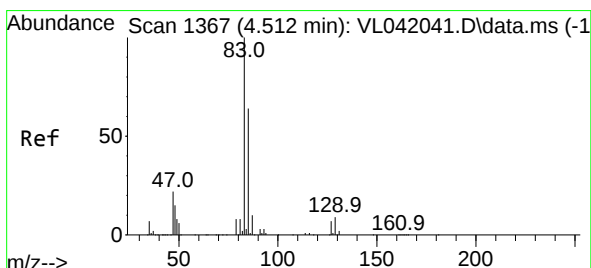
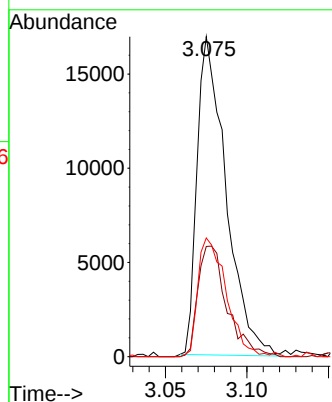
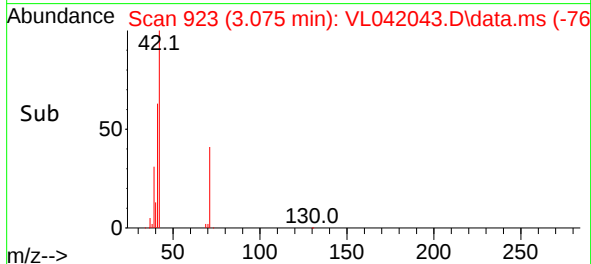
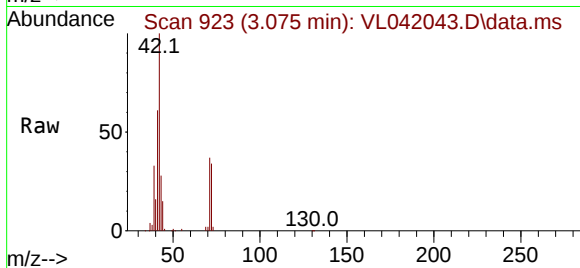
#41
Tetrahydrofuran
Concen: 1.000 ppbv
RT: 3.075 min Scan# 91
Delta R.T. 0.003 min
Lab File: VL042043.D
Acq: 25 Feb 2025 10:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 42 Resp: 2082
Ion Ratio Lower Upper
42 100
72 35.0 30.2 45.2
71 37.3 28.2 42.4

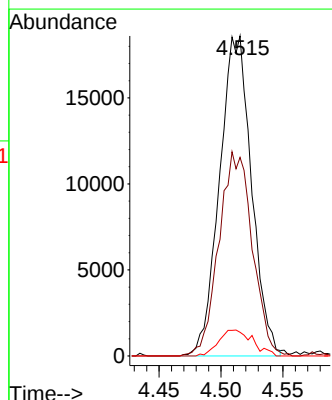
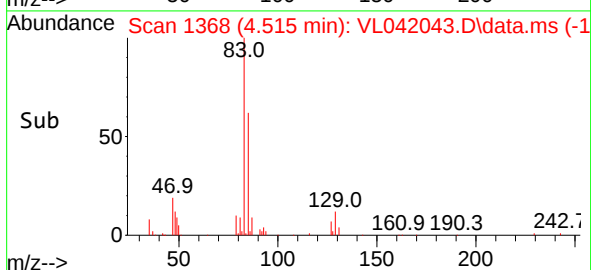
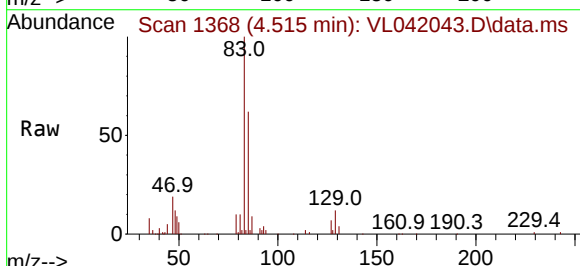
Manual Integrations
APPROVED

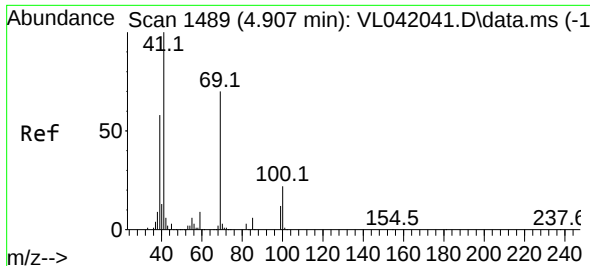
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025



#42
Bromodichloromethane
Concen: 0.847 ppbv
RT: 4.515 min Scan# 1368
Delta R.T. 0.003 min
Lab File: VL042043.D
Acq: 25 Feb 2025 10:00

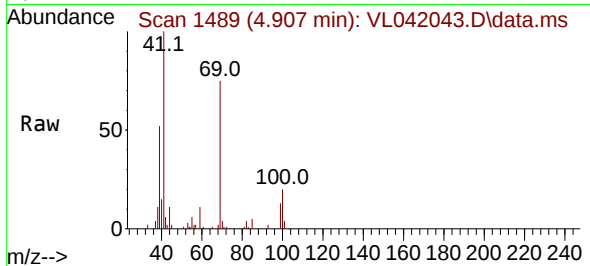
Tgt Ion: 83 Resp: 33481
Ion Ratio Lower Upper
83 100
85 62.1 51.4 77.2
127 7.4 5.8 8.6





#43
Methyl Methacrylate
Concen: 0.756 ppbv
RT: 4.907 min Scan# 1489
Delta R.T. -0.000 min
Lab File: VL042043.D
Acq: 25 Feb 2025 10:00

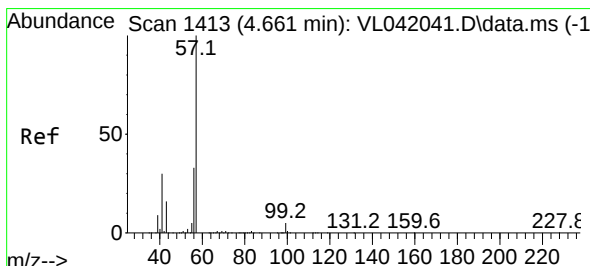
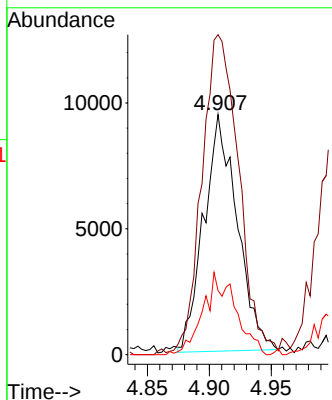
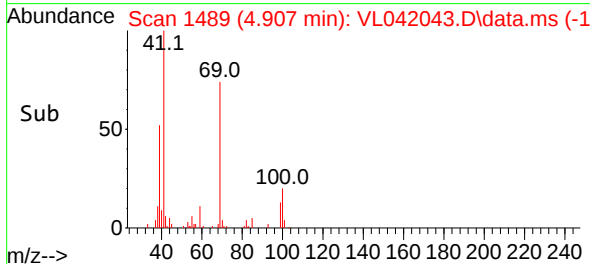
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



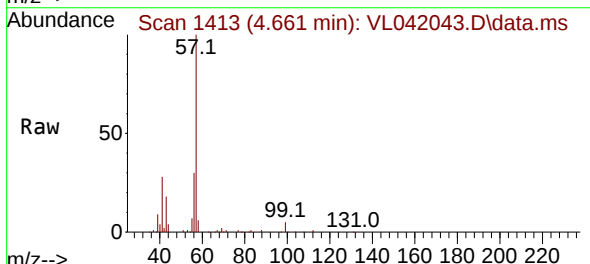
Tgt Ion: 69 Resp: 17679
Ion Ratio Lower Upper
69 100
41 148.9 118.2 177.4
100 34.0 27.0 40.4

Manual Integrations
APPROVED

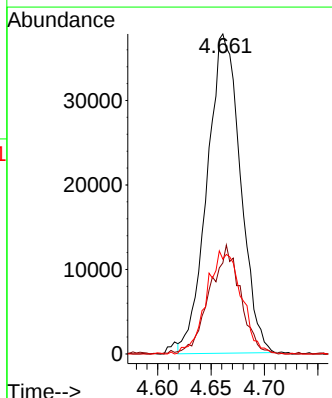
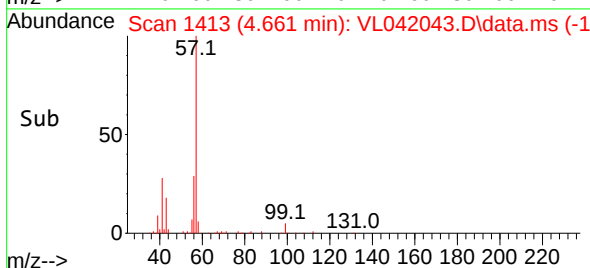
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

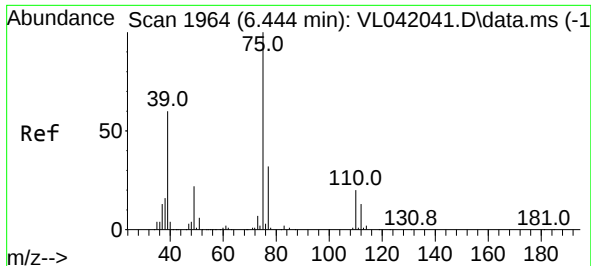


#44
2,2,4-Trimethylpentane
Concen: 0.941 ppbv
RT: 4.661 min Scan# 1413
Delta R.T. -0.000 min
Lab File: VL042043.D
Acq: 25 Feb 2025 10:00



Tgt Ion: 57 Resp: 81921
Ion Ratio Lower Upper
57 100
41 31.8 24.4 36.6
56 33.7 26.5 39.7





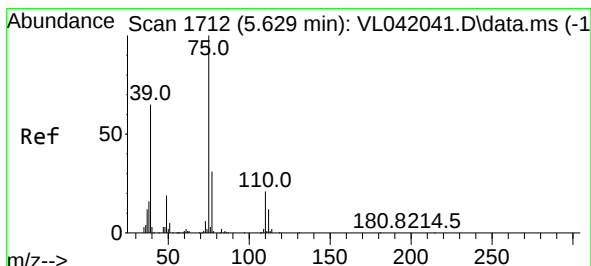
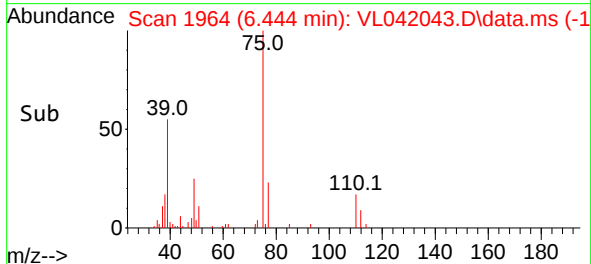
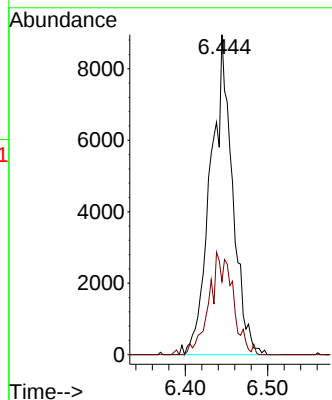
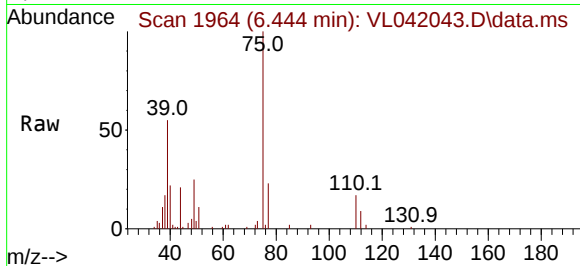
#45
 t-1,3-Dichloropropene
 Concen: 0.751 ppbv m
 RT: 6.444 min Scan# 1964
 Delta R.T. -0.000 min
 Lab File: VL042043.D
 Acq: 25 Feb 2025 10:00

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tgt Ion: 75 Resp: 16578
 Ion Ratio Lower Upper
 75 100
 77 22.9 25.9 38.9

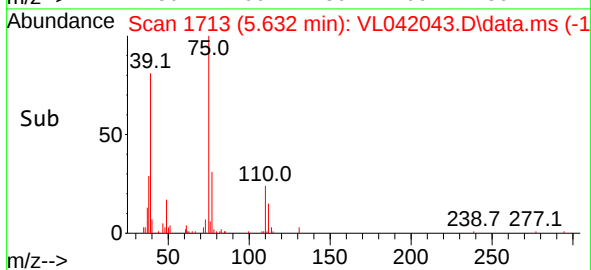
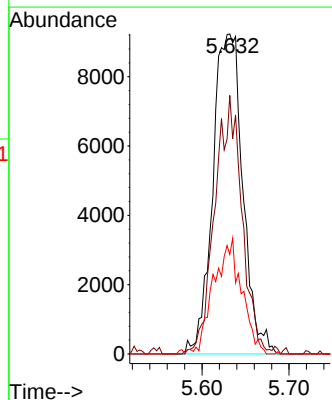
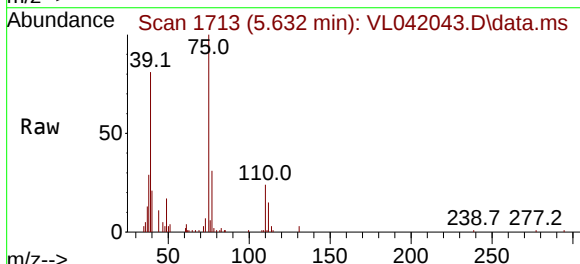
Manual Integrations
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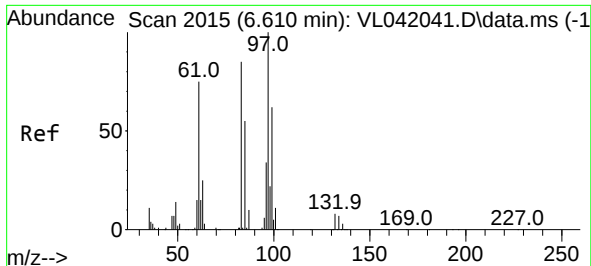
Reviewed By :Semsettin Yesilyurt 02/26/2025
 Supervised By :Mahesh Dadoda 02/26/2025



#46
 cis-1,3-Dichloropropene
 Concen: 0.790 ppbv m
 RT: 5.632 min Scan# 1713
 Delta R.T. 0.003 min
 Lab File: VL042043.D
 Acq: 25 Feb 2025 10:00

Tgt Ion: 75 Resp: 22127
 Ion Ratio Lower Upper
 75 100
 39 80.8 51.9 77.9#
 77 31.1 24.9 37.3





#47

1,1,2-Trichloroethane

Concen: 0.918 ppbv m

RT: 6.616 min Scan# 2015

Delta R.T. 0.006 min

Lab File: VL042043.D

Acq: 25 Feb 2025 10:00

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC001

Tgt Ion: 97 Resp: 18160

Ion Ratio Lower Upper

97 100

83 80.3 68.1 102.1

85 43.0 44.0 66.0

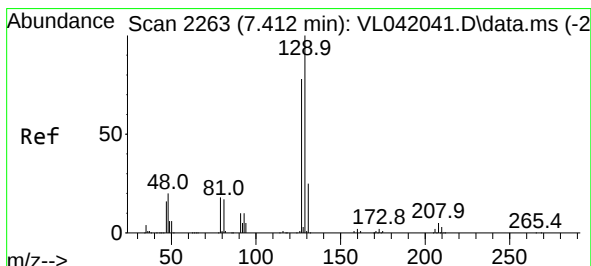
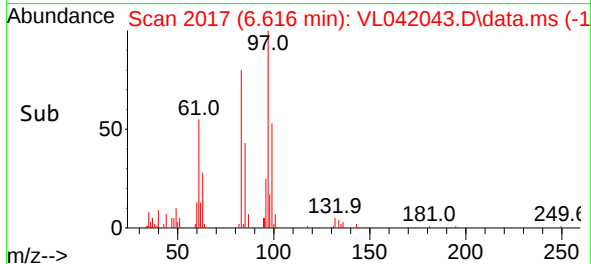
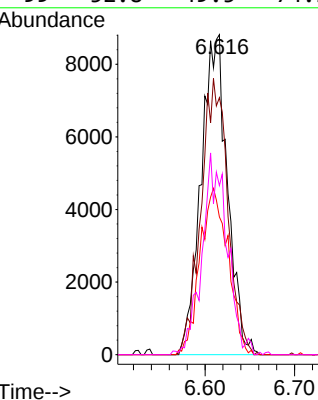
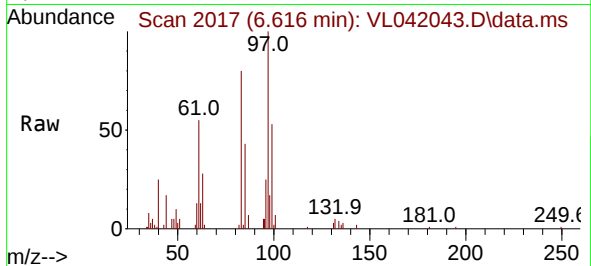
99 52.8 49.5 74.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/26/2025

Supervised By :Mahesh Dadoda 02/26/2025



#48

Dibromochloromethane

Concen: 0.852 ppbv

RT: 7.412 min Scan# 2263

Delta R.T. -0.000 min

Lab File: VL042043.D

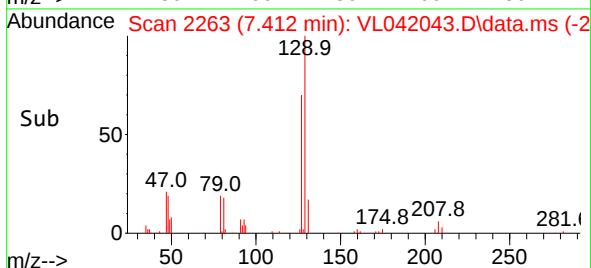
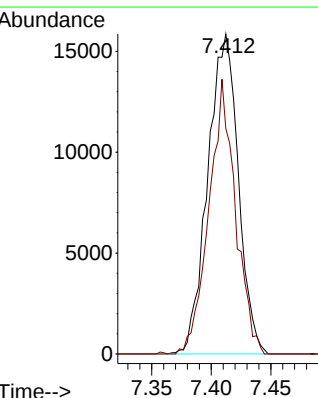
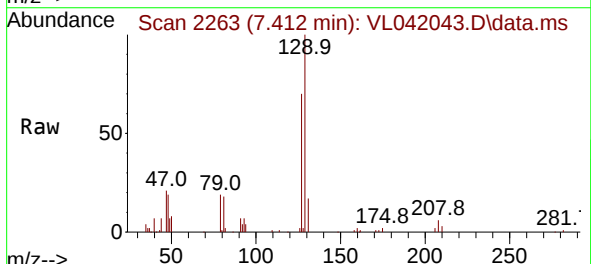
Acq: 25 Feb 2025 10:00

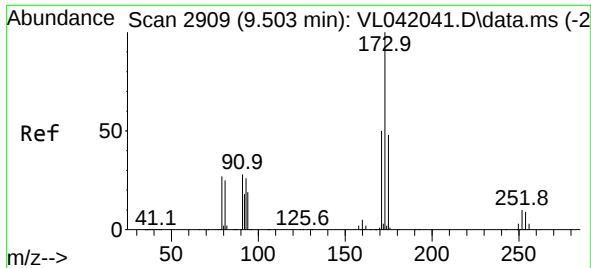
Tgt Ion:129 Resp: 28239

Ion Ratio Lower Upper

129 100

127 74.7 38.6 115.8





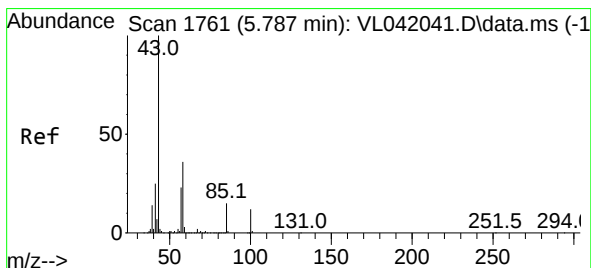
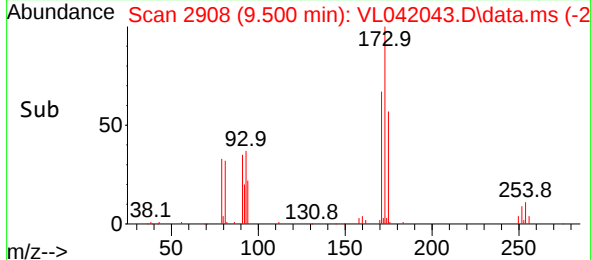
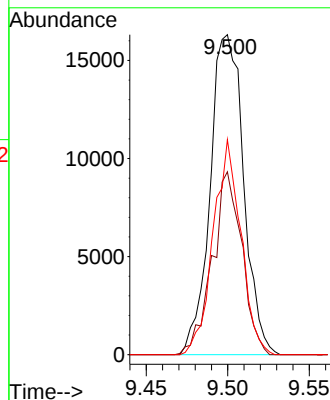
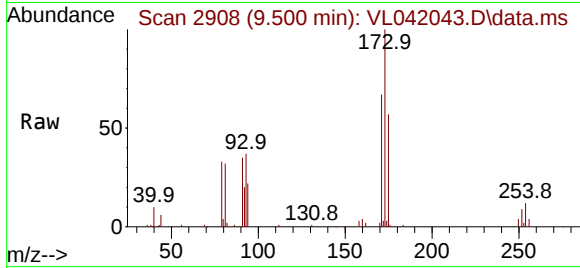
#49
Bromoform
Concen: 0.858 ppbv
RT: 9.500 min Scan# 2909
Delta R.T. -0.003 min
Lab File: VL042043.D
Acq: 25 Feb 2025 10:00

Instrument : MSVOA_L
ClientSampleId : VSTDIC001

Tgt Ion: 173 Resp: 23310
Ion Ratio Lower Upper
173 100
175 50.5 38.3 57.5
171 55.5 40.2 60.2

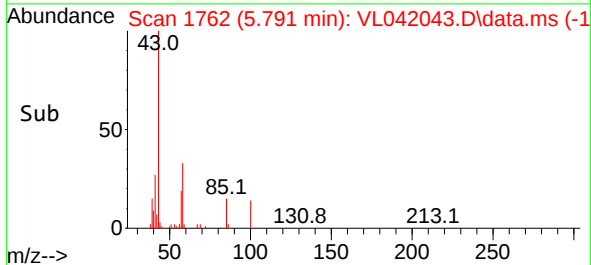
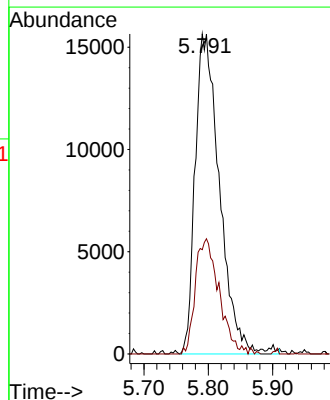
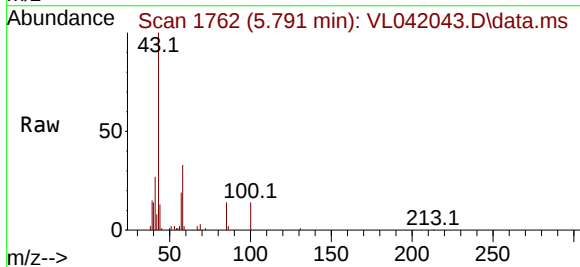
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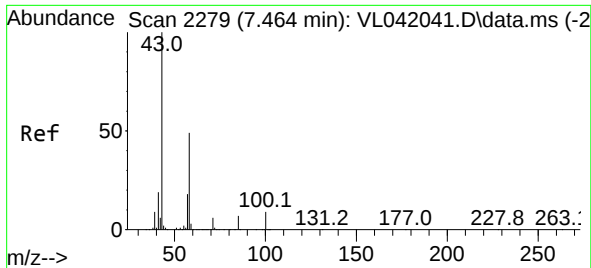
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025



#50
4-Methyl-2-Pentanone
Concen: 0.737 ppbv m
RT: 5.791 min Scan# 1762
Delta R.T. 0.003 min
Lab File: VL042043.D
Acq: 25 Feb 2025 10:00

Tgt Ion: 43 Resp: 41249
Ion Ratio Lower Upper
43 100
58 0.0 29.3 43.9





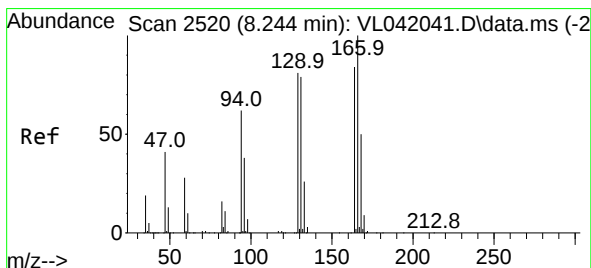
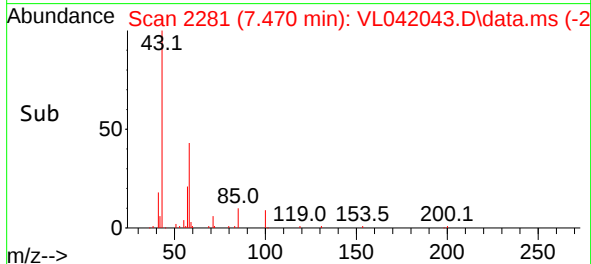
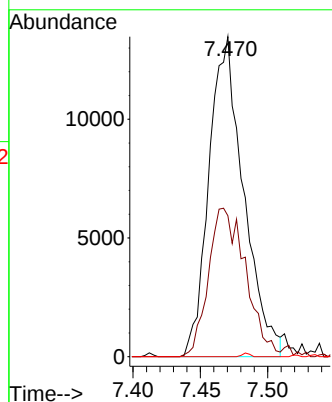
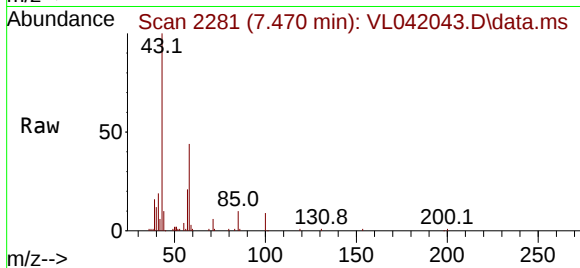
#51
2-Hexanone
Concen: 0.527 ppbv
RT: 7.470 min Scan# 2111
Delta R.T. 0.006 min
Lab File: VL042043.D
Acq: 25 Feb 2025 10:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion: 43 Resp: 2411
Ion Ratio Lower Upper
43 100
58 51.0 39.0 58.6
98 0.3 0.1 0.1

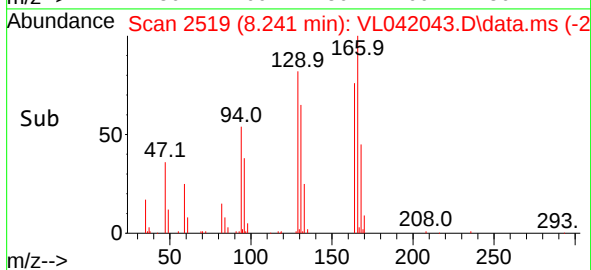
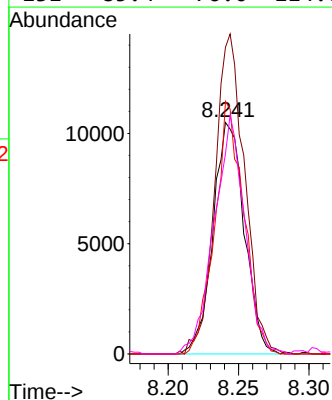
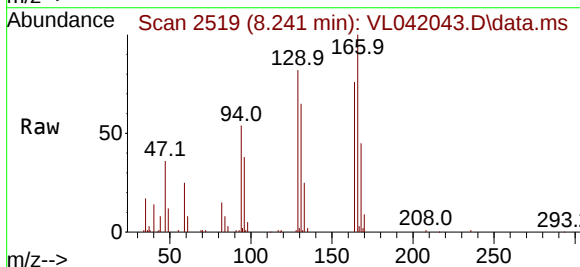
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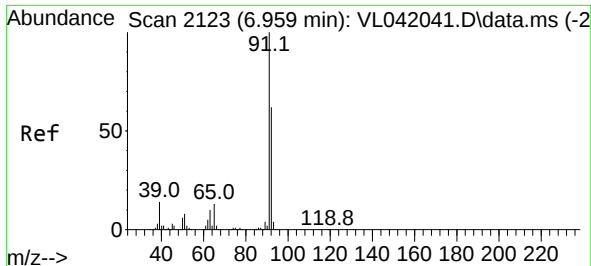
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025



#52
Tetrachloroethene
Concen: 0.907 ppbv
RT: 8.241 min Scan# 2519
Delta R.T. -0.003 min
Lab File: VL042043.D
Acq: 25 Feb 2025 10:00

Tgt Ion:164 Resp: 16217
Ion Ratio Lower Upper
164 100
166 131.2 95.7 143.5
129 109.1 77.1 115.7
131 85.4 76.0 114.0





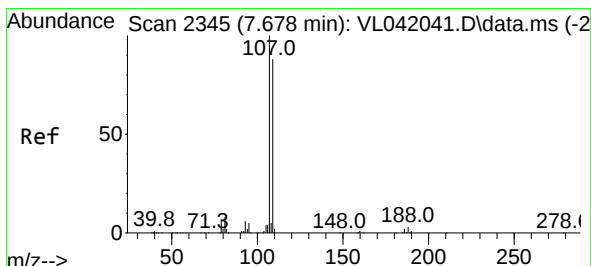
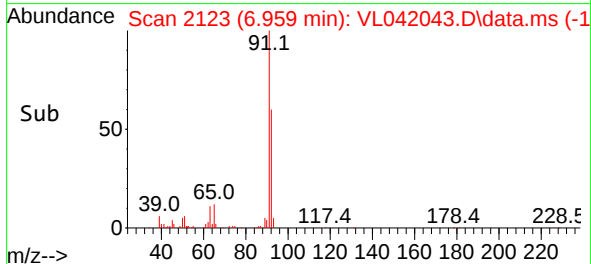
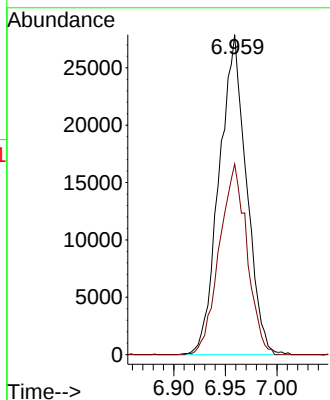
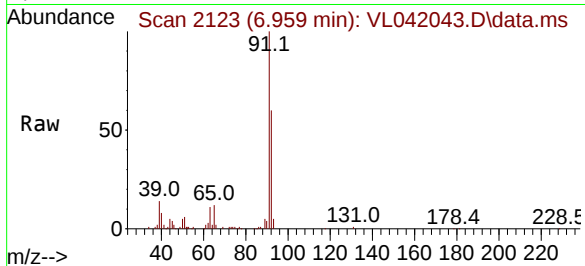
#53
Toluene
Concen: 0.838 ppbv
RT: 6.959 min Scan# 2123
Delta R.T. -0.000 min
Lab File: VL042043.D
Acq: 25 Feb 2025 10:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 91 Resp: 5123
Ion Ratio Lower Upper
91 100
92 60.3 49.0 73.6

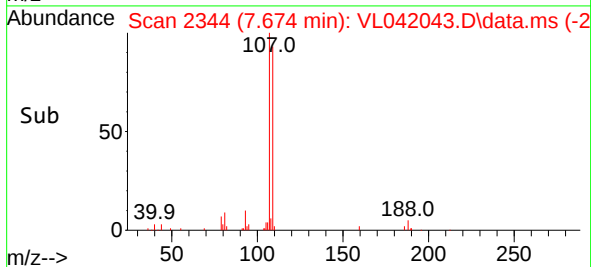
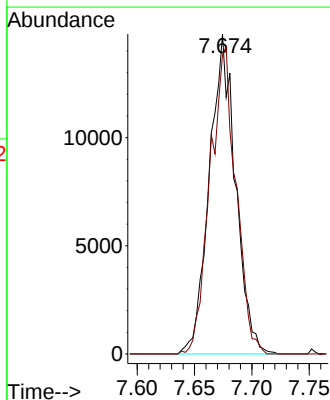
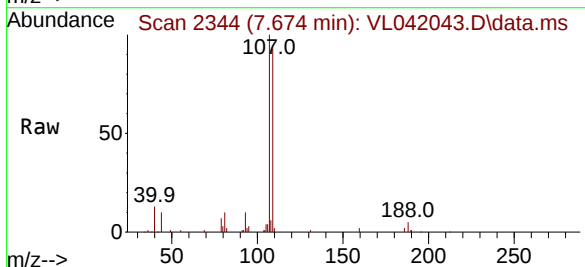
Manual Integrations
APPROVED

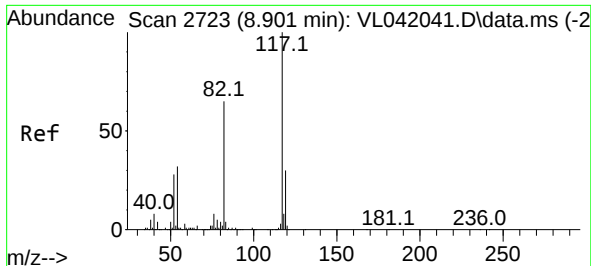
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025



#54
1,2-Dibromoethane
Concen: 0.860 ppbv
RT: 7.674 min Scan# 2344
Delta R.T. -0.003 min
Lab File: VL042043.D
Acq: 25 Feb 2025 10:00

Tgt Ion:107 Resp: 23427
Ion Ratio Lower Upper
107 100
109 93.5 70.2 105.4





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.898 min Scan# 21

Delta R.T. -0.003 min

Lab File: VL042043.D

Acq: 25 Feb 2025 10:00

Instrument :

MSVOA_L

ClientSampleId :

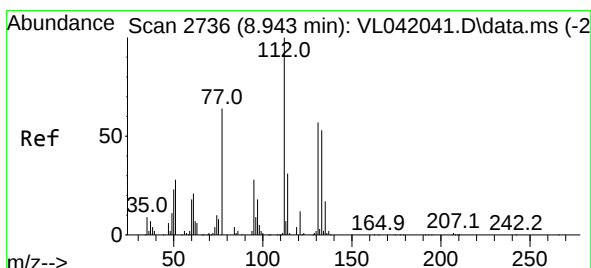
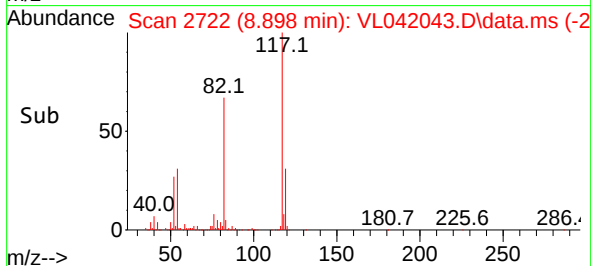
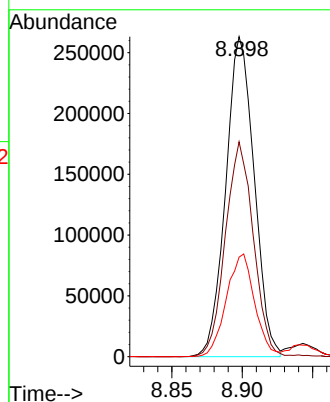
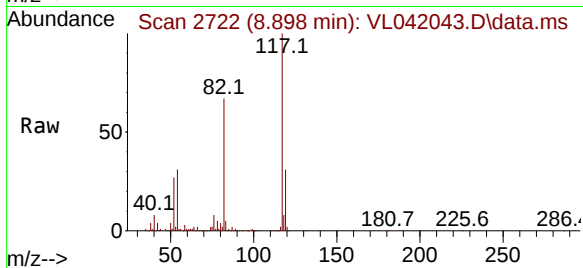
VSTDIC001

Tgt Ion:	117	Resp:	36991
Ion Ratio	Lower	Upper	
117	100		
82	66.5	55.0	82.6
119	32.5	25.9	38.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025



#56

1,1,1,2-Tetrachloroethane

Concen: 0.833 ppbv

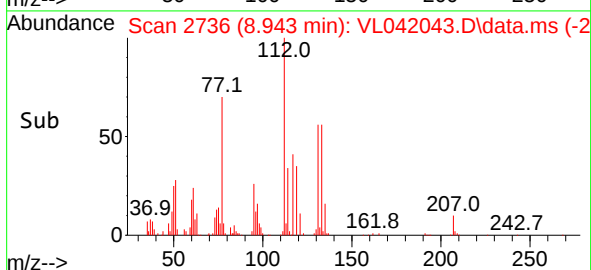
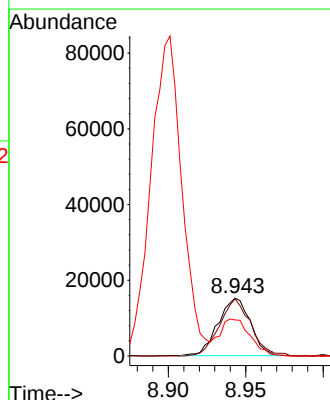
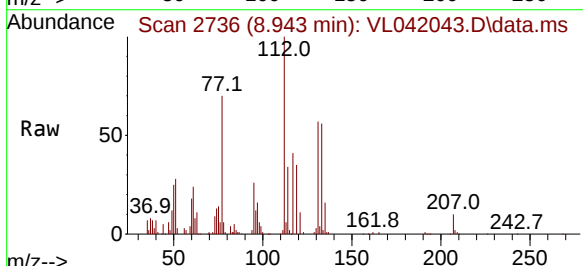
RT: 8.943 min Scan# 2736

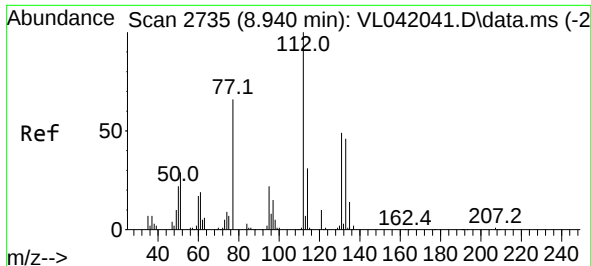
Delta R.T. -0.000 min

Lab File: VL042043.D

Acq: 25 Feb 2025 10:00

Tgt Ion:	131	Resp:	22060
Ion Ratio	Lower	Upper	
131	100		
133	96.2	75.8	113.8
119	60.4	52.1	78.1





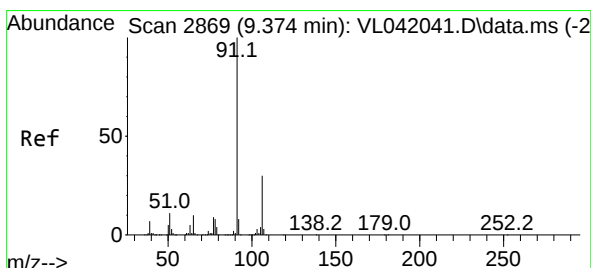
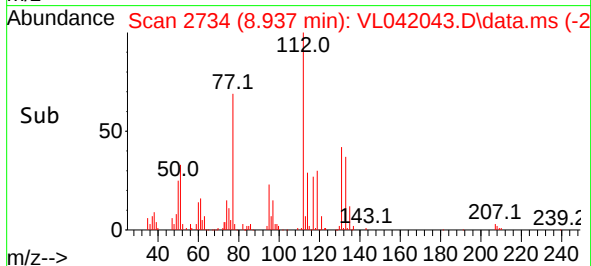
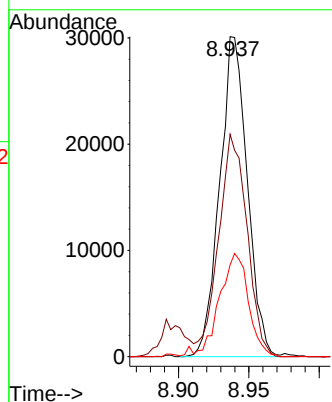
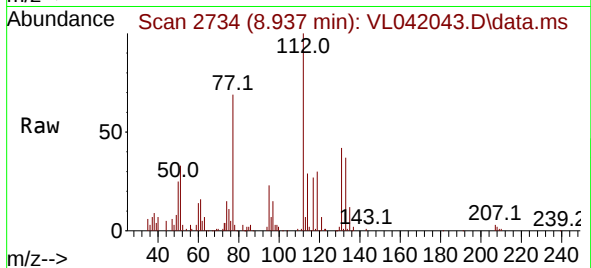
#57
Chlorobenzene
Concen: 0.946 ppbv
RT: 8.937 min Scan# 2117
Delta R.T. -0.003 min
Lab File: VL042043.D
Acq: 25 Feb 2025 10:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion: 112 Resp: 4117
Ion Ratio Lower Upper
112 100
77 69.5 53.4 80.2
114 28.7 28.3 34.5

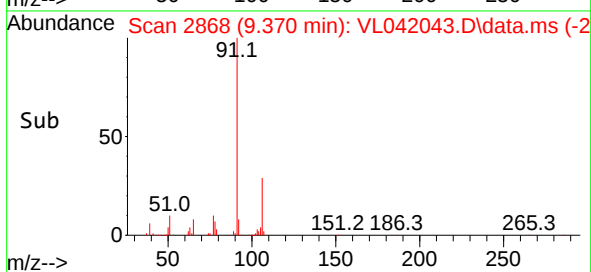
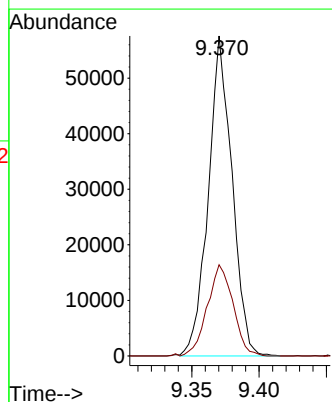
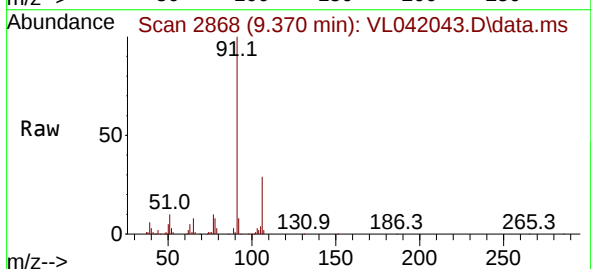
Manual Integrations
APPROVED

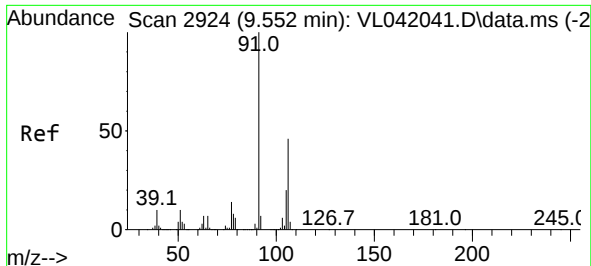
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025



#58
Ethyl Benzene
Concen: 0.871 ppbv
RT: 9.370 min Scan# 2868
Delta R.T. -0.003 min
Lab File: VL042043.D
Acq: 25 Feb 2025 10:00

Tgt Ion: 91 Resp: 70507
Ion Ratio Lower Upper
91 100
106 28.5 24.2 36.2





#59

m/p-Xylene

Concen: 1.799 ppbv m

RT: 9.568 min Scan# 2924

Delta R.T. 0.016 min

Lab File: VL042043.D

Acq: 25 Feb 2025 10:00

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tgt Ion: 91 Resp: 11469

Ion Ratio Lower Upper

91 100

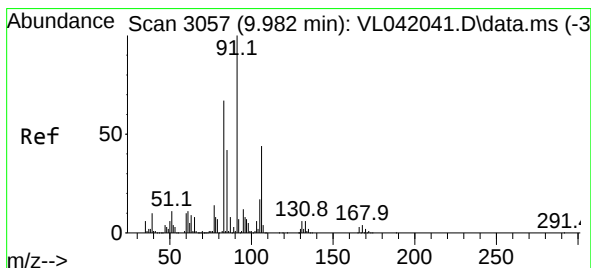
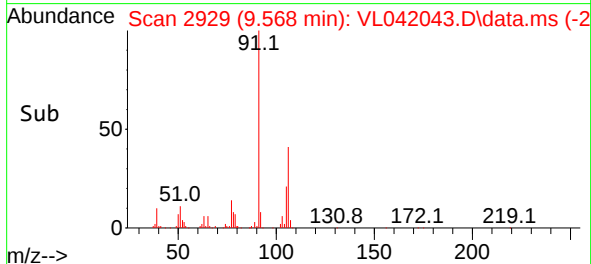
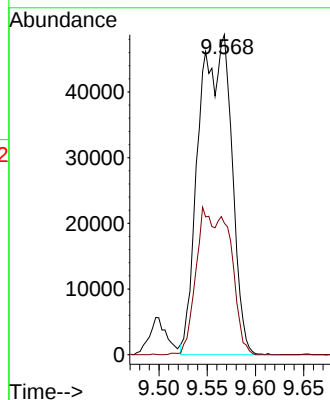
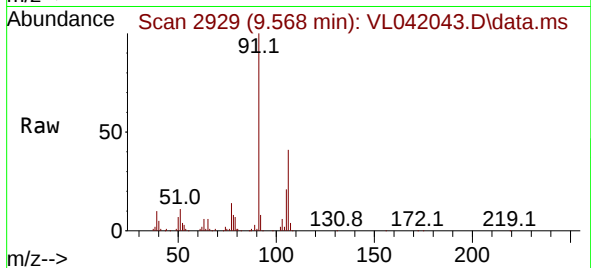
106 47.6 0.0 0.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/26/2025

Supervised By :Mahesh Dadoda 02/26/2025



#60

o-Xylene

Concen: 0.889 ppbv

RT: 9.979 min Scan# 3056

Delta R.T. -0.003 min

Lab File: VL042043.D

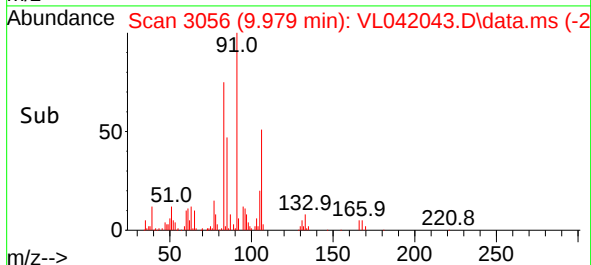
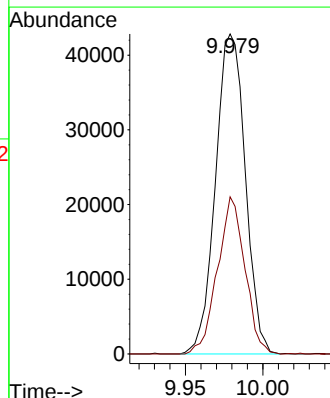
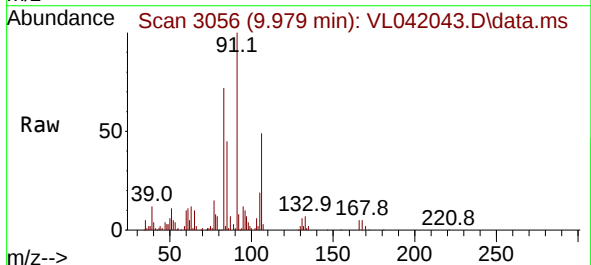
Acq: 25 Feb 2025 10:00

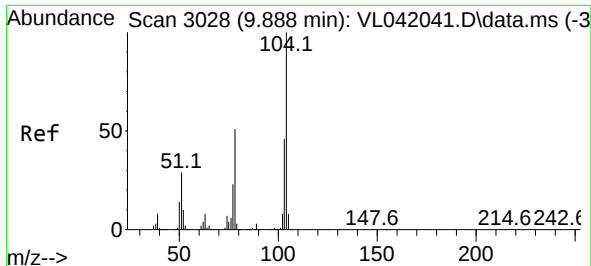
Tgt Ion: 91 Resp: 57322

Ion Ratio Lower Upper

91 100

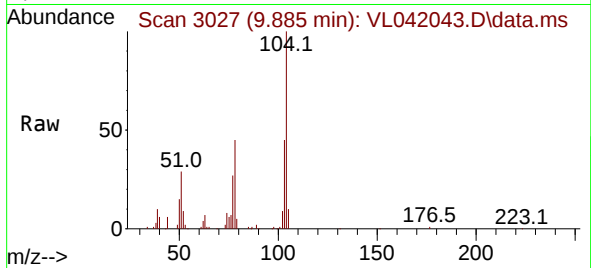
106 45.2 22.3 66.8





#61
Styrene
Concen: 0.865 ppbv
RT: 9.885 min Scan# 3028
Delta R.T. -0.003 min
Lab File: VL042043.D
Acq: 25 Feb 2025 10:00

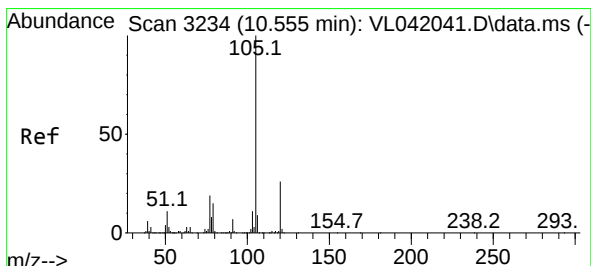
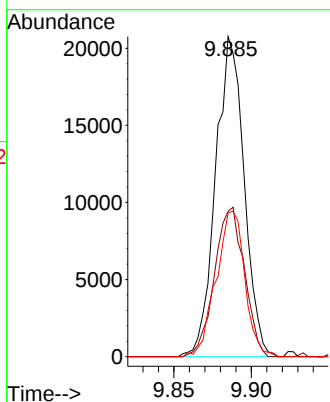
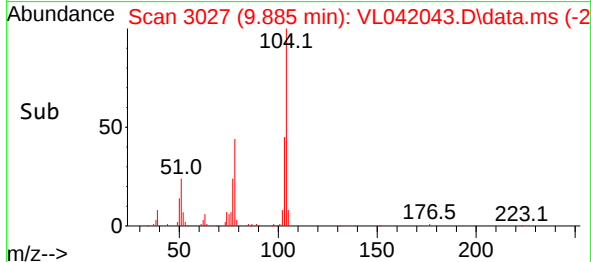
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



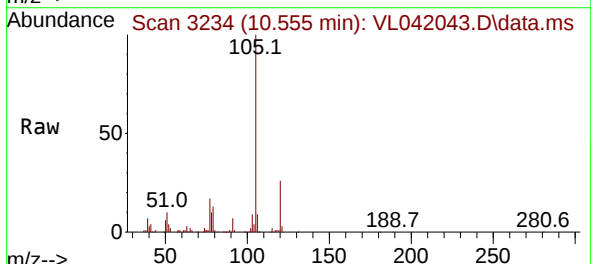
Tgt Ion:104 Resp: 26590
Ion Ratio Lower Upper
104 100
78 48.6 41.0 61.4
103 45.9 37.0 55.6

Manual Integrations
APPROVED

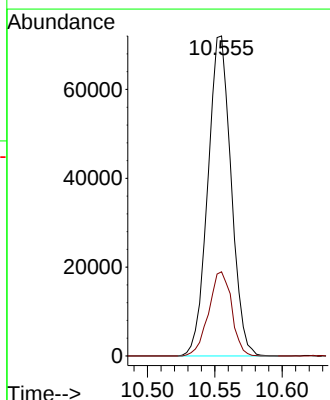
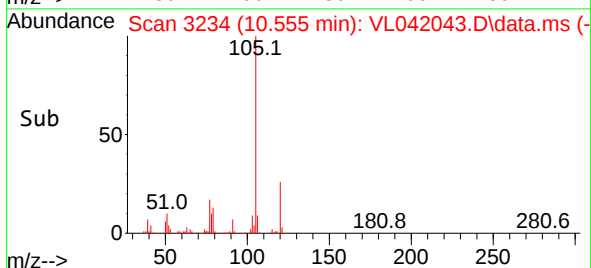
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

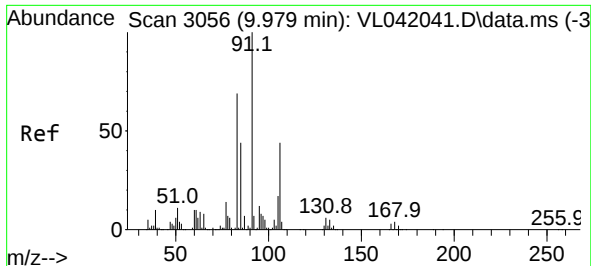


#62
Isopropylbenzene
Concen: 0.894 ppbv
RT: 10.555 min Scan# 3234
Delta R.T. -0.000 min
Lab File: VL042043.D
Acq: 25 Feb 2025 10:00



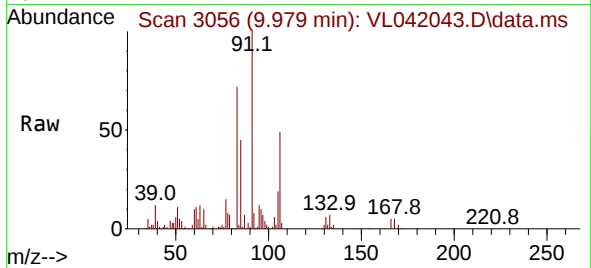
Tgt Ion:105 Resp: 86533
Ion Ratio Lower Upper
105 100
120 26.0 20.7 31.1





#63
1,1,2,2-Tetrachloroethane
Concen: 0.926 ppbv
RT: 9.979 min Scan# 3056
Delta R.T. -0.000 min
Lab File: VL042043.D
Acq: 25 Feb 2025 10:00

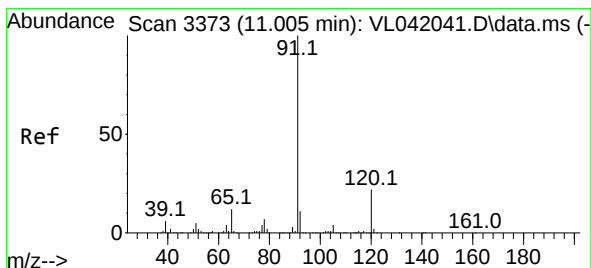
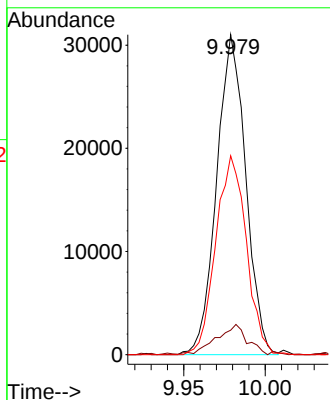
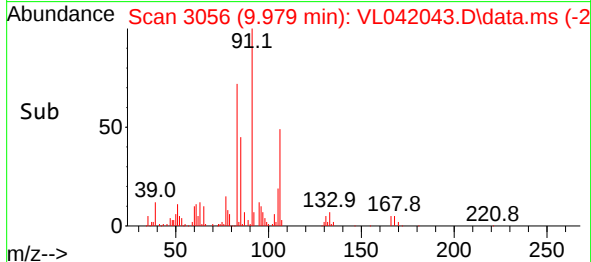
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001



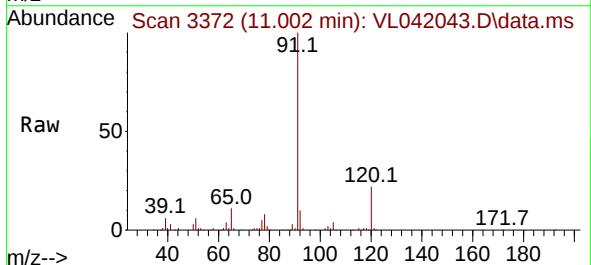
Tgt Ion: 83 Resp: 38520
Ion Ratio Lower Upper
83 100
131 10.6 4.5 13.7
85 65.2 32.1 96.3

Manual Integrations
APPROVED

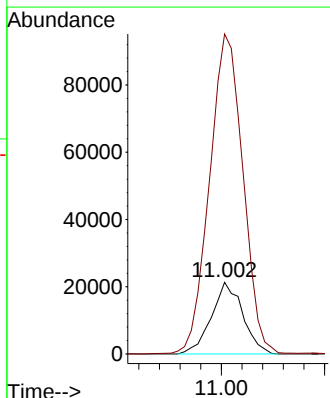
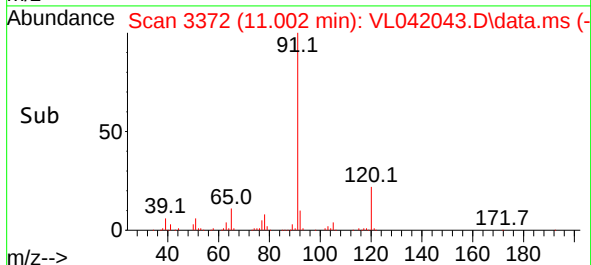
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

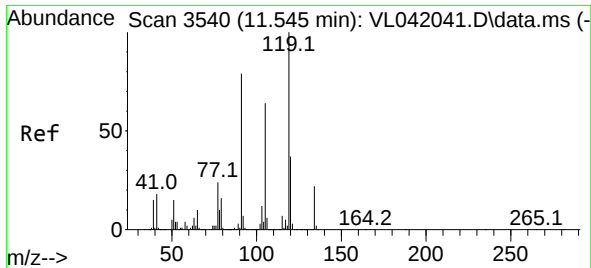


#64
n-propylbenzene
Concen: 0.944 ppbv
RT: 11.002 min Scan# 3372
Delta R.T. -0.003 min
Lab File: VL042043.D
Acq: 25 Feb 2025 10:00



Tgt Ion:120 Resp: 22456
Ion Ratio Lower Upper
120 100
91 478.3 370.6 556.0





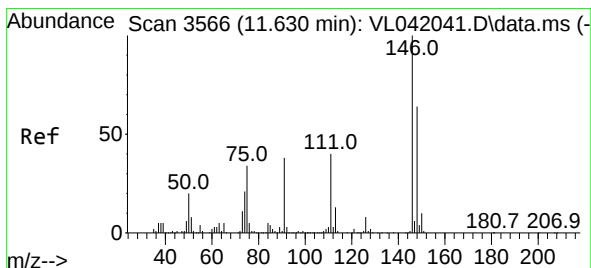
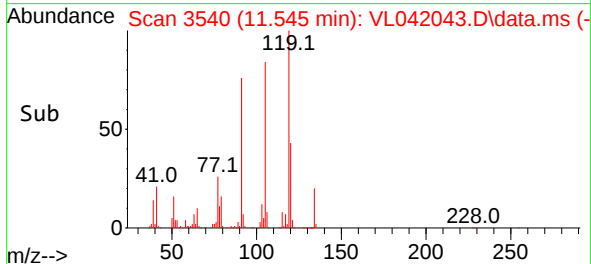
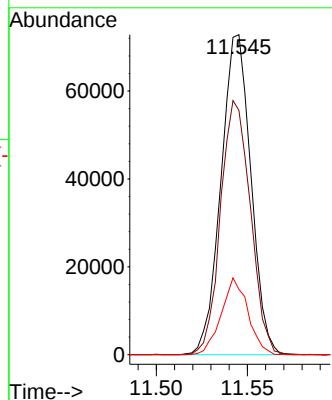
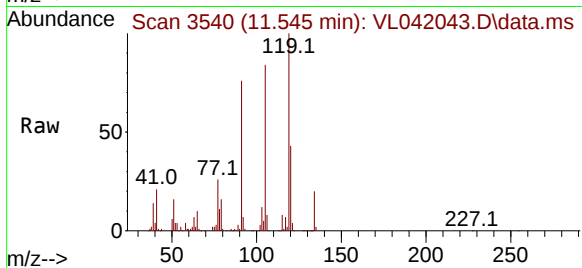
#65
tert-Butylbenzene
Concen: 0.987 ppbv
RT: 11.545 min Scan# 311
Delta R.T. -0.000 min
Lab File: VL042043.D
Acq: 25 Feb 2025 10:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:119 Resp: 83284
Ion Ratio Lower Upper
119 100
91 79.2 64.2 96.2
134 21.5 17.4 26.2

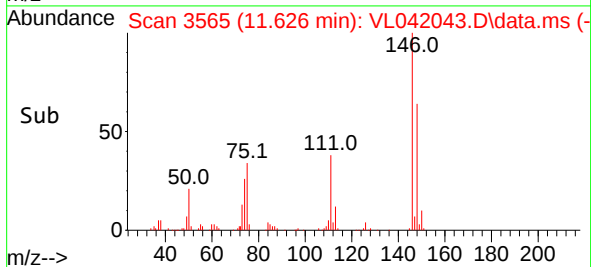
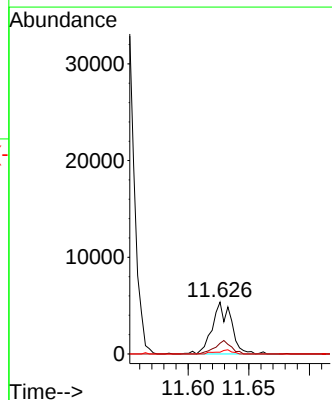
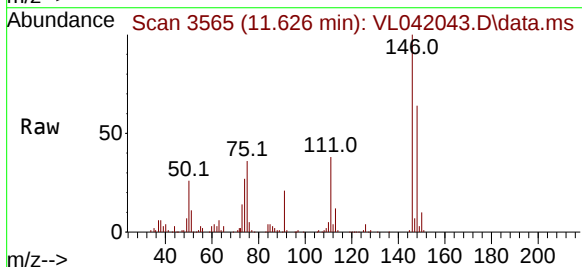
Manual Integrations
APPROVED

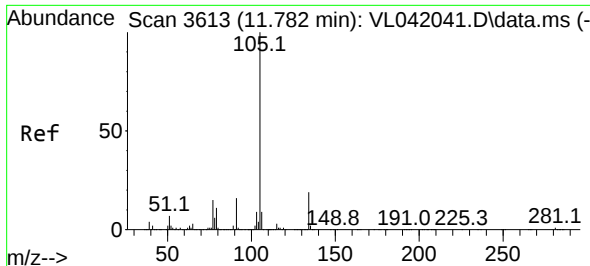
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025



#66
Benzyl Chloride
Concen: 0.695 ppbv m
RT: 11.626 min Scan# 3565
Delta R.T. -0.003 min
Lab File: VL042043.D
Acq: 25 Feb 2025 10:00

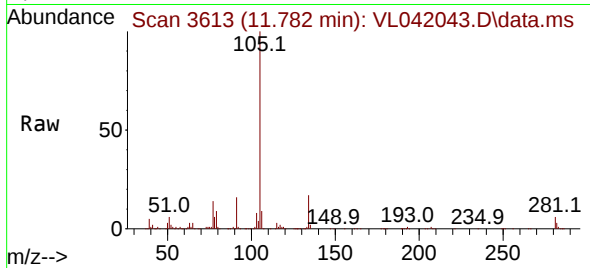
Tgt Ion: 91 Resp: 5880
Ion Ratio Lower Upper
91 100
126 0.0 14.5 21.7#
128 0.0 5.4 8.2#





#67
 sec-Butylbenzene
 Concen: 1.007 ppbv
 RT: 11.782 min Scan# 3613
 Delta R.T. -0.000 min
 Lab File: VL042043.D
 Acq: 25 Feb 2025 10:00

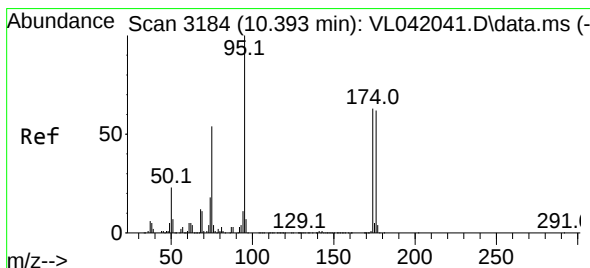
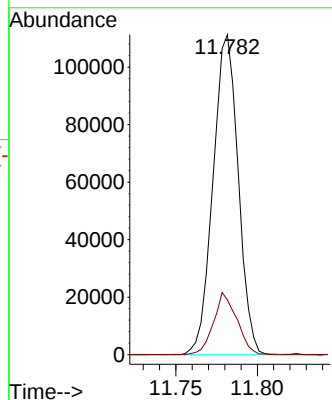
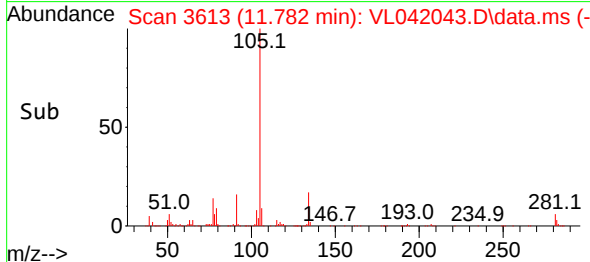
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001



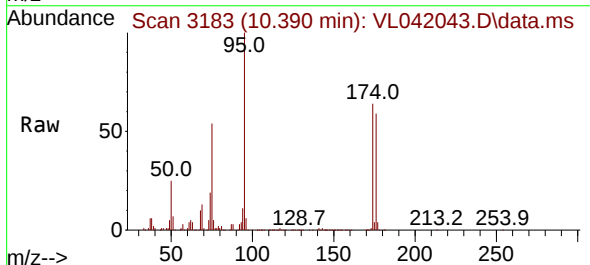
Tgt Ion: 105 Resp: 11943
 Ion Ratio Lower Upper
 105 100
 134 18.1 14.9 22.3

Manual Integrations
 APPROVED

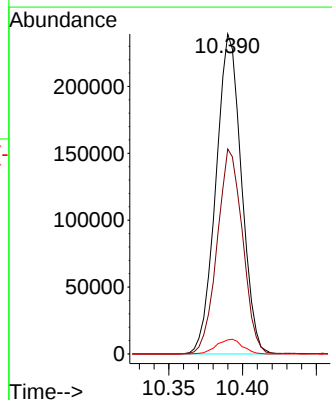
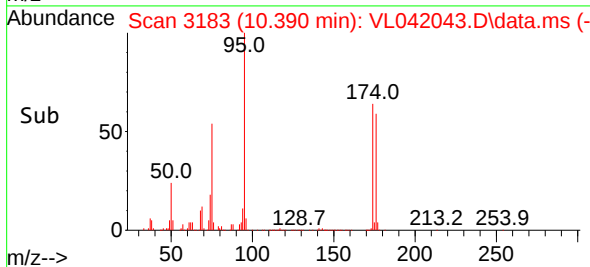
Reviewed By :Semsettin Yesilyurt 02/26/2025
 Supervised By :Mahesh Dadoda 02/26/2025

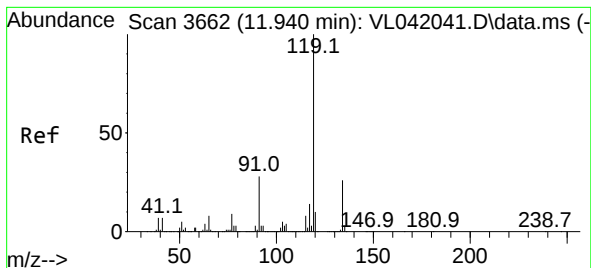


#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.420 ppbv
 RT: 10.390 min Scan# 3183
 Delta R.T. -0.003 min
 Lab File: VL042043.D
 Acq: 25 Feb 2025 10:00



Tgt Ion: 95 Resp: 287450
 Ion Ratio Lower Upper
 95 100
 174 63.9 51.8 77.6
 175 4.7 3.9 5.9





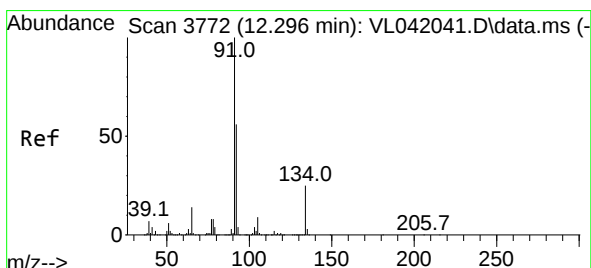
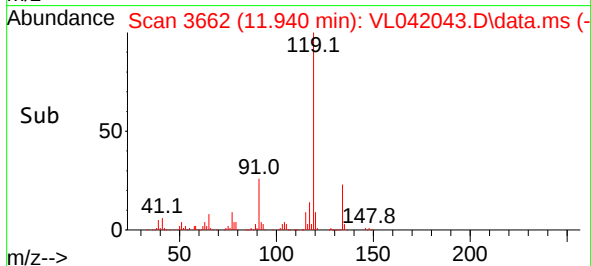
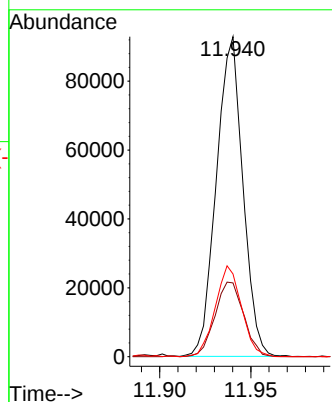
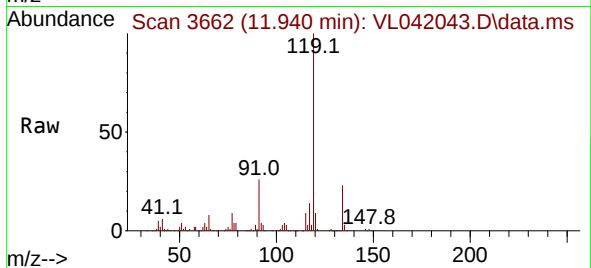
#69
p-Isopropyltoluene
Concen: 0.966 ppbv
RT: 11.940 min Scan# 3662
Delta R.T. -0.000 min
Lab File: VL042043.D
Acq: 25 Feb 2025 10:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion: 119 Resp: 93710
Ion Ratio Lower Upper
119 100
134 25.4 20.9 31.3
91 28.2 23.1 34.7

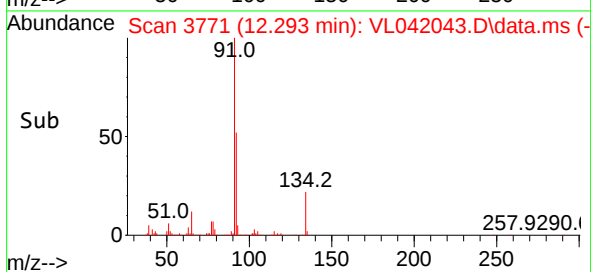
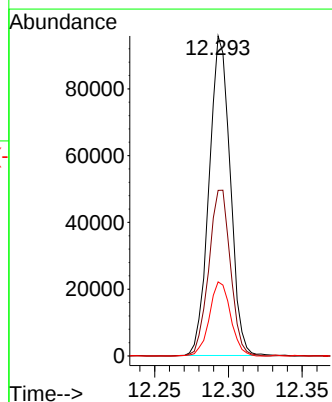
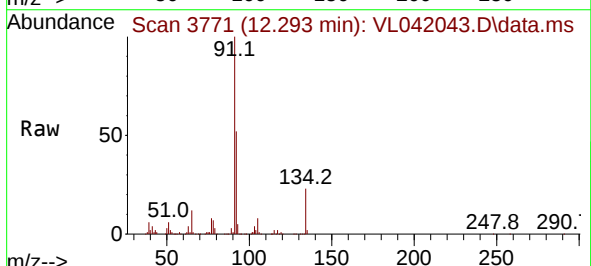
Manual Integrations
APPROVED

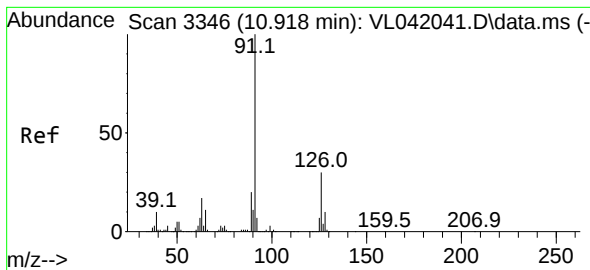
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025



#70
n-Butylbenzene
Concen: 0.993 ppbv
RT: 12.293 min Scan# 3771
Delta R.T. -0.003 min
Lab File: VL042043.D
Acq: 25 Feb 2025 10:00

Tgt Ion: 91 Resp: 94969
Ion Ratio Lower Upper
91 100
92 53.5 44.7 67.1
134 23.5 18.9 28.3





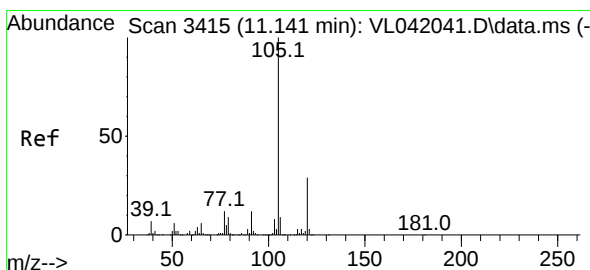
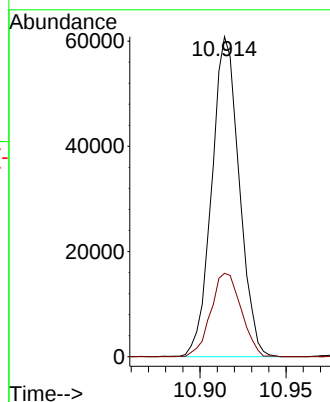
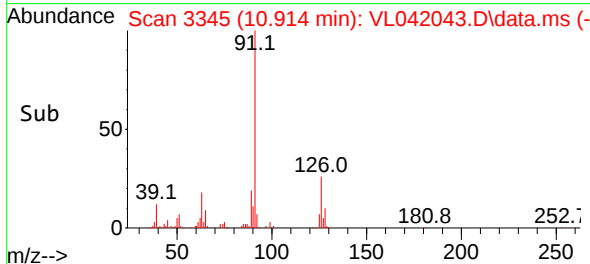
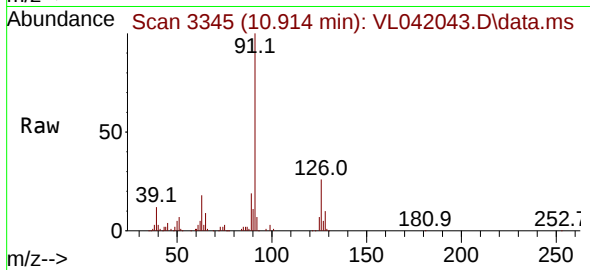
#71
2-Chlorotoluene
Concen: 0.928 ppbv
RT: 10.914 min Scan# 31
Delta R.T. -0.003 min
Lab File: VL042043.D
Acq: 25 Feb 2025 10:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 91 Resp: 6765
Ion Ratio Lower Upper
91 100
126 28.8 11.9 47.5

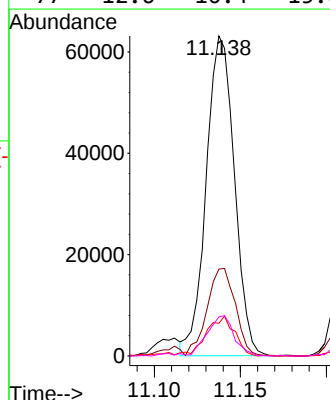
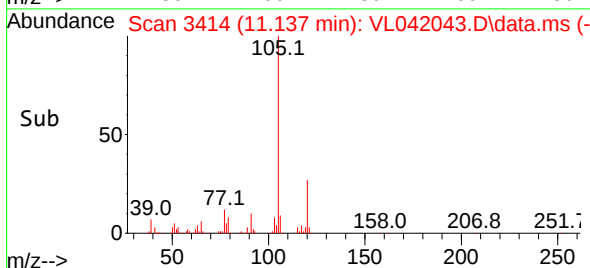
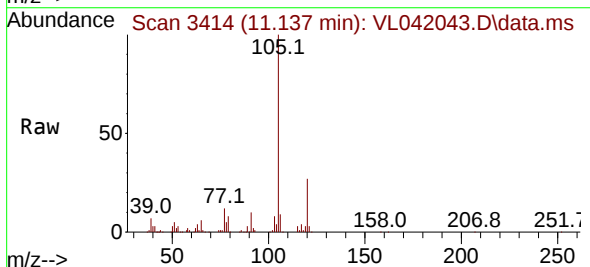
Manual Integrations
APPROVED

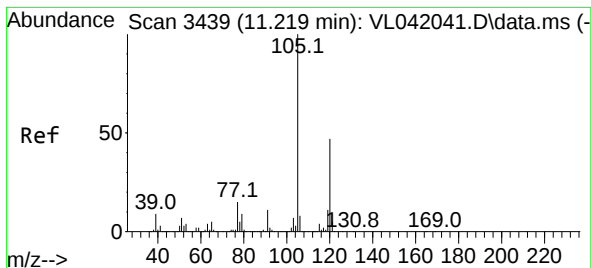
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025



#72
4-Ethyltoluene
Concen: 0.952 ppbv
RT: 11.137 min Scan# 3414
Delta R.T. -0.003 min
Lab File: VL042043.D
Acq: 25 Feb 2025 10:00

Tgt Ion:105 Resp: 71906
Ion Ratio Lower Upper
105 100
120 29.5 24.1 36.1
91 13.5 10.2 15.4
77 12.6 10.4 15.6





#73

1,3,5-Trimethylbenzene

Concen: 0.983 ppbv

RT: 11.215 min Scan# 3439

Delta R.T. -0.003 min

Lab File: VL042043.D

Acq: 25 Feb 2025 10:00

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tgt Ion:105 Resp: 6408

Ion Ratio Lower Upper

105 100

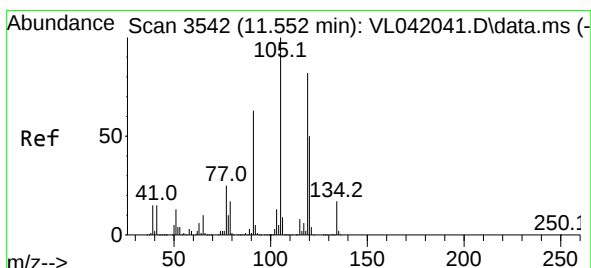
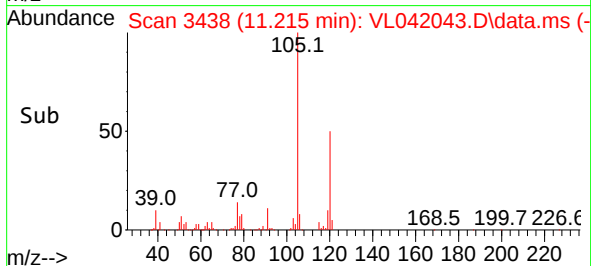
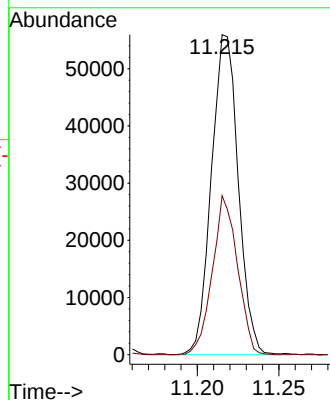
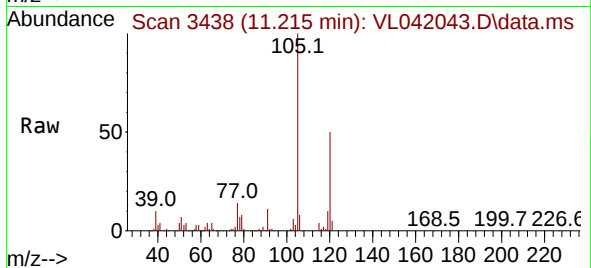
120 49.7 37.4 56.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/26/2025

Supervised By :Mahesh Dadoda 02/26/2025



#74

1,2,4-Trimethylbenzene

Concen: 1.048 ppbv

RT: 11.549 min Scan# 3541

Delta R.T. -0.003 min

Lab File: VL042043.D

Acq: 25 Feb 2025 10:00

Tgt Ion:105 Resp: 73323

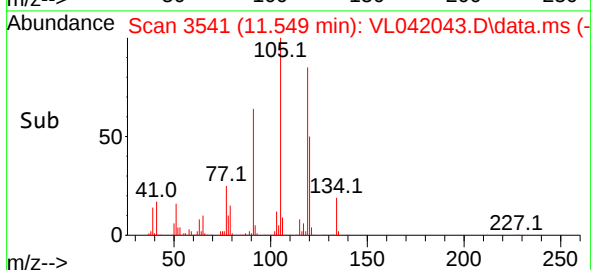
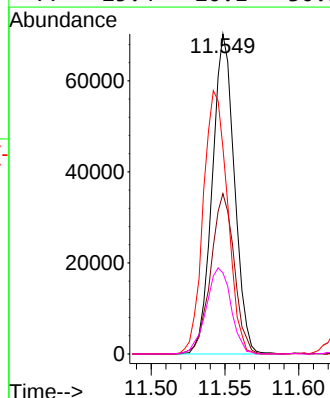
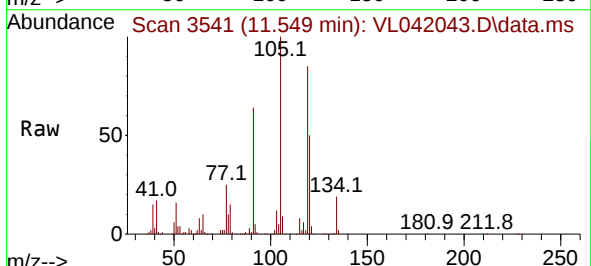
Ion Ratio Lower Upper

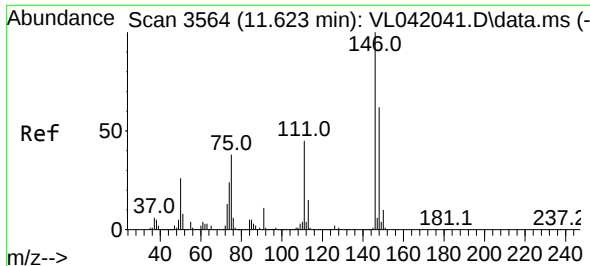
105 100

120 50.1 40.2 60.2

91 64.4 51.4 77.2

77 25.4 20.1 30.1





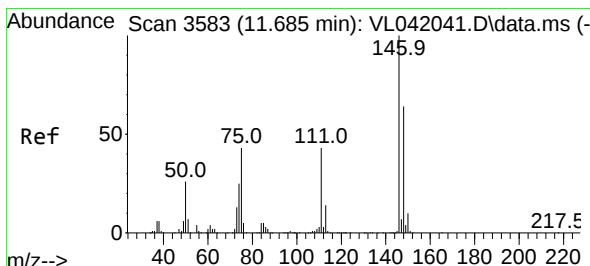
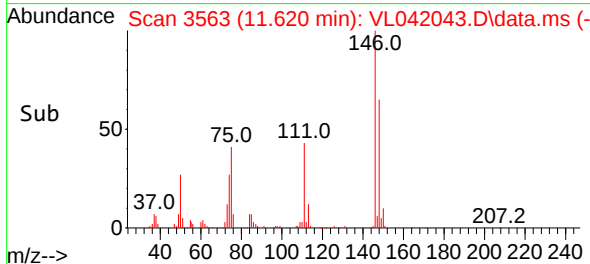
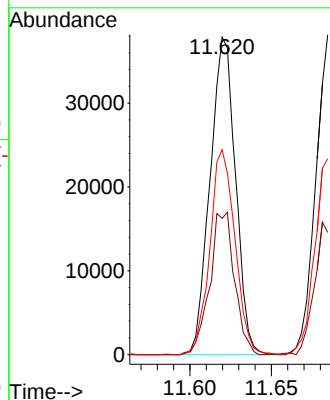
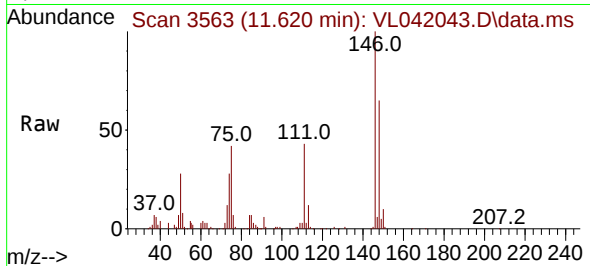
#75
1,3-Dichlorobenzene
Concen: 1.091 ppbv
RT: 11.620 min Scan# 3563
Delta R.T. -0.003 min
Lab File: VL042043.D
Acq: 25 Feb 2025 10:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion:146 Resp: 4106
Ion Ratio Lower Upper
146 100
111 43.7 22.4 67.2
148 63.9 32.3 96.8

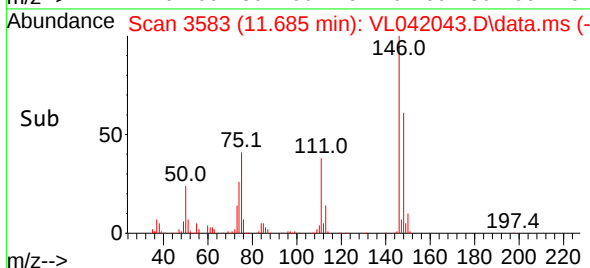
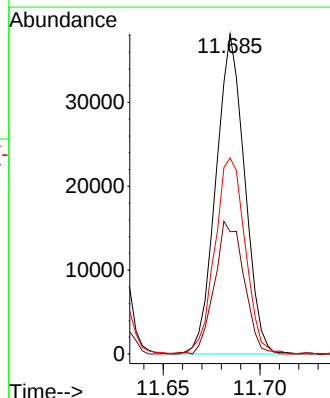
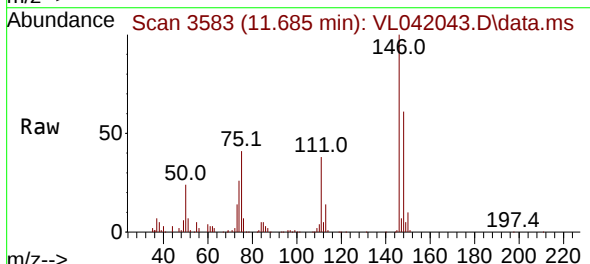
Manual Integrations
APPROVED

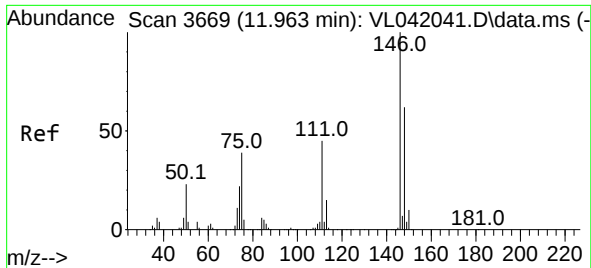
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025



#76
1,4-Dichlorobenzene
Concen: 1.068 ppbv
RT: 11.685 min Scan# 3583
Delta R.T. -0.000 min
Lab File: VL042043.D
Acq: 25 Feb 2025 10:00

Tgt Ion:146 Resp: 39235
Ion Ratio Lower Upper
146 100
111 42.9 21.5 64.5
148 65.0 31.6 95.0





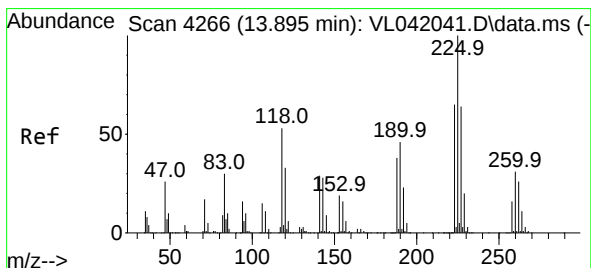
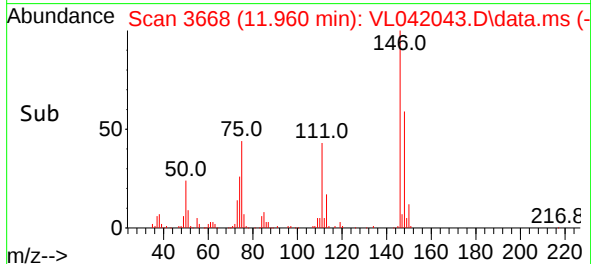
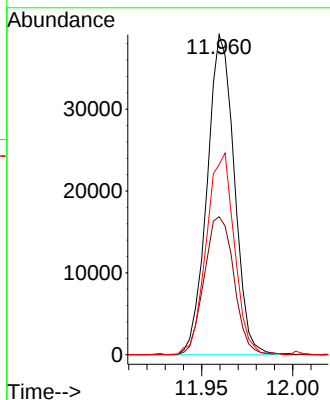
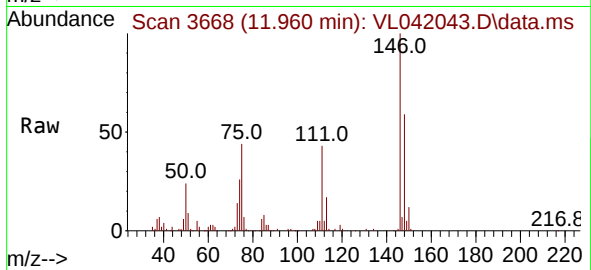
#77
1,2-Dichlorobenzene
Concen: 1.127 ppbv
RT: 11.960 min Scan# 3668
Delta R.T. -0.003 min
Lab File: VL042043.D
Acq: 25 Feb 2025 10:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion:146 Resp: 40574
Ion Ratio Lower Upper
146 100
111 47.1 23.2 69.6
148 65.4 31.4 94.2

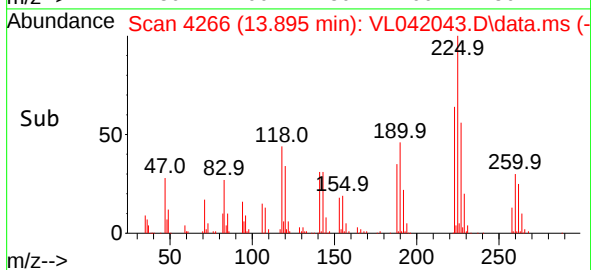
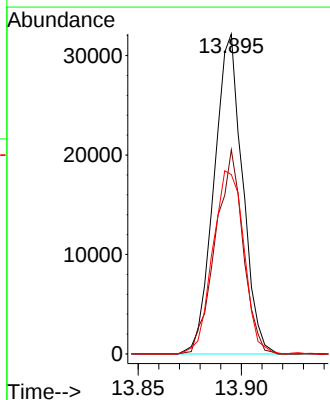
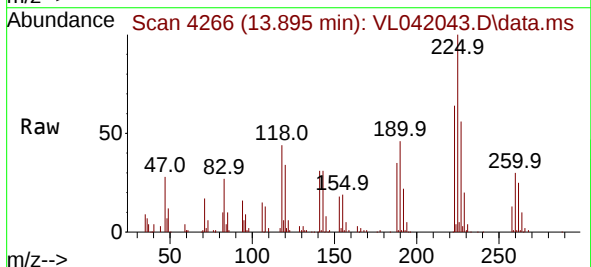
Manual Integrations
APPROVED

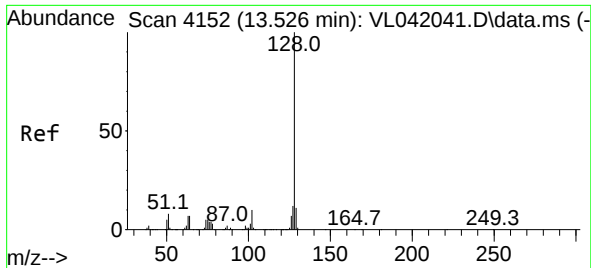
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025



#78
Hexachloro-1,3-Butadiene
Concen: 1.033 ppbv
RT: 13.895 min Scan# 4266
Delta R.T. -0.000 min
Lab File: VL042043.D
Acq: 25 Feb 2025 10:00

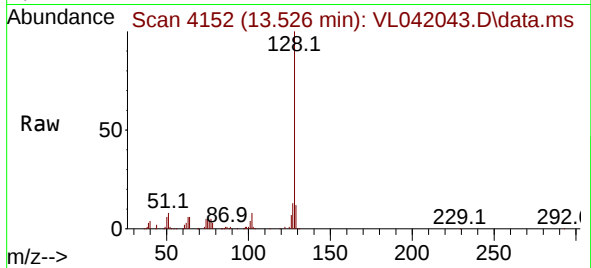
Tgt Ion:225 Resp: 30764
Ion Ratio Lower Upper
225 100
223 62.2 50.2 75.2
227 63.2 50.8 76.2





#79
Naphthalene
Concen: 0.665 ppbv
RT: 13.526 min Scan# 4152
Delta R.T. -0.000 min
Lab File: VL042043.D
Acq: 25 Feb 2025 10:00

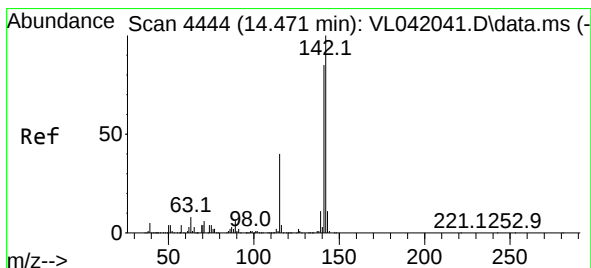
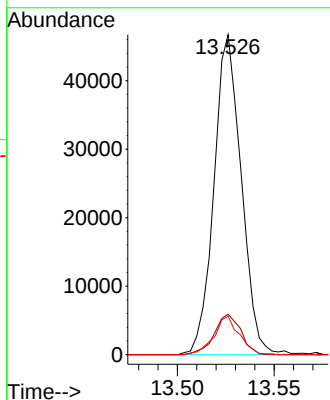
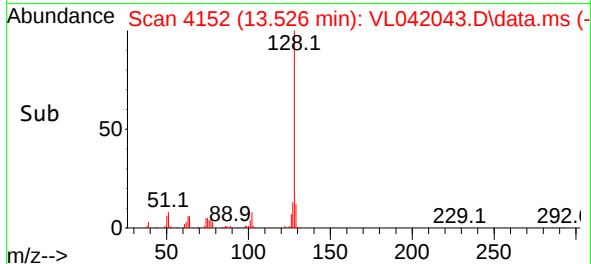
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001



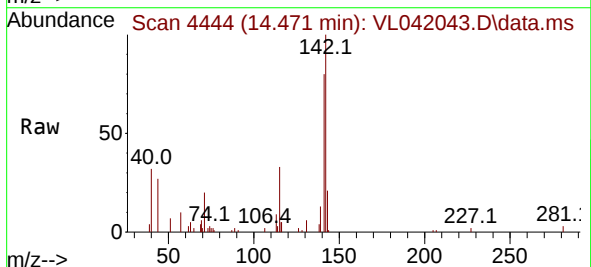
Tgt Ion:128 Resp: 4574
Ion Ratio Lower Upper
128 100
127 12.7 9.8 14.6
129 12.0 8.6 12.8

Manual Integrations
APPROVED

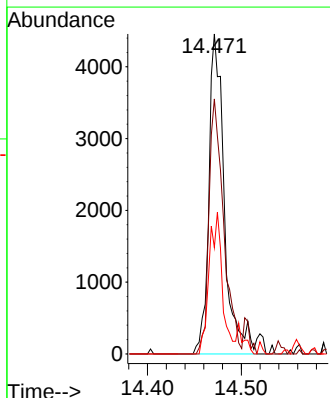
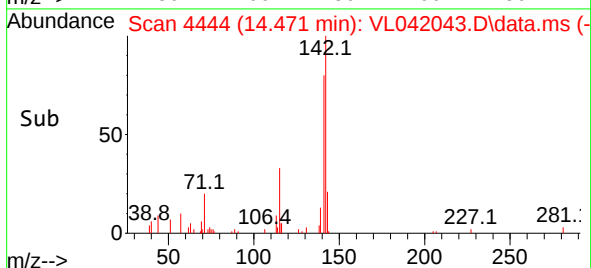
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

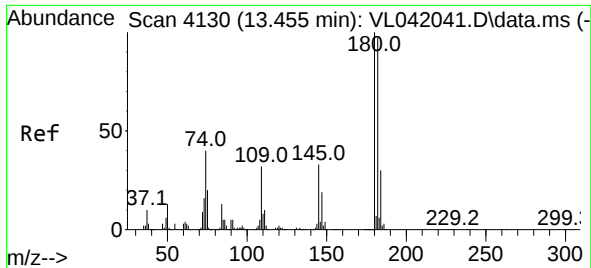


#80
Naphthalene,2-methyl-
Concen: 0.168 ppbv
RT: 14.471 min Scan# 4444
Delta R.T. -0.000 min
Lab File: VL042043.D
Acq: 25 Feb 2025 10:00



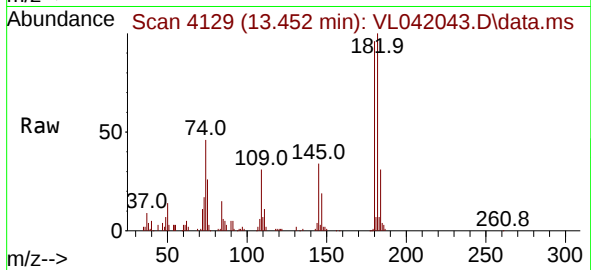
Tgt Ion:142 Resp: 5244
Ion Ratio Lower Upper
142 100
141 77.7 65.8 98.6
115 41.6 29.5 44.3





#81
 1,2,4-Trichlorobenzene
 Concen: 0.908 ppbv
 RT: 13.452 min Scan# 41
 Delta R.T. -0.003 min
 Lab File: VL042043.D
 Acq: 25 Feb 2025 10:00

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001



Tgt Ion	Ratio	Lower	Upper
180	100		
182	98.8	75.1	112.7
184	31.4	23.8	35.6

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 02/26/2025
 Supervised By :Mahesh Dadoda 02/26/2025

