

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081325\
 Data File : VL042843.D
 Acq On : 13 Aug 2025 09:06
 Operator : SY/MD
 Sample : VSTDICC002
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC002

Quant Time: Aug 14 01:46:30 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081325AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 14 2025
 QLast Update : Thu Aug 14 01:44:36 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 08/14/2025
 Supervised By : Mahesh Dadoda 08/18/2025

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

Internal Standards						
1) Bromochloromethane	2.794	49	130555	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.965	114	408144	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.891	117	363830	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.387	95	270774	9.923	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.200%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.502	85	39443	2.061	ppbv	99
3) Chlorodifluoromethane	1.480	51	44759	2.114	ppbv	96
4) Chloromethane	1.535	50	15826	2.050	ppbv	99
5) Vinyl Chloride	1.583	62	14358	1.888	ppbv	97
6) Bromomethane	1.670	94	6248	2.055	ppbv	97
7) Chloroethane	1.706	64	5717	1.925	ppbv	94
8) Dichlorotetrafluoroethane	1.557	85	32496	2.075	ppbv	98
9) Propene	1.486	41	18678	2.045	ppbv	89
10) Heptane	4.991	43	50062	2.050	ppbv	97
11) Trichlorofluoromethane	1.881	101	38308	2.029	ppbv	99
12) 1,1,2-Trichlorotrifluo...	2.146	101	31052	2.064	ppbv	99
13) Ethanol	1.725	45	1817m	2.008	ppbv	
14) Bromoethene	1.784	108	11376	2.089	ppbv	96
15) Acetone	1.839	43	38531	2.231	ppbv	96
16) 1,3-Butadiene	1.612	39	15122	1.932	ppbv	98
17) tert-Butyl alcohol	2.046	59	40652	1.985	ppbv	97
18) 1,1-Dichloroethene	2.039	96	13883	2.099	ppbv	95
19) Isopropyl Alcohol	1.891	45	20866	2.023	ppbv #	39
20) Methylene Chloride	2.065	84	14204	1.963	ppbv #	92
21) Allyl Chloride	2.101	41	24662	2.021	ppbv	96
22) trans-1,2-Dichloroethene	2.344	96	15773	2.132	ppbv	96
23) Vinyl Acetate	2.467	43	48269	2.125	ppbv #	98
24) 1,1-Dichloroethane	2.415	63	30931	2.024	ppbv	98
25) Ethyl Acetate	2.842	43	86804	2.077	ppbv	98
26) Hexane	2.832	57	39735	2.060	ppbv	94
27) Carbon Disulfide	2.156	76	39466	2.102	ppbv #	15
28) Methyl tert-Butyl Ether	2.444	73	21341	2.169	ppbv	96
29) Chloroform	2.855	83	56553	2.053	ppbv	95
30) Cyclohexane	3.868	84	34992	2.069	ppbv	98
31) cis-1,2-Dichloroethene	2.726	61	39783	2.062	ppbv	95
32) 1,1,1-Trichloroethane	3.376	97	57837	1.983	ppbv	100
34) 2-Butanone	2.564	43	57172	2.075	ppbv	98
35) Carbon Tetrachloride	3.771	117	56459	2.007	ppbv	97
36) Benzene	3.664	78	80781	2.067	ppbv	98
37) 1,2-Dichloroethane	3.227	62	41034	2.010	ppbv	97
38) Trichloroethene	4.561	130	36990	2.072	ppbv #	86
39) 1,2-Dichloropropane	4.328	63	29059	2.036	ppbv	98
40) 1,4-Dioxane	4.606	88	13510m	2.022	ppbv	
41) Tetrahydrofuran	3.062	42	31994	2.082	ppbv	97
42) Bromodichloromethane	4.503	83	63436	2.085	ppbv	97
43) Methyl Methacrylate	4.888	69	33851m	2.111	ppbv	
44) 2,2,4-Trimethylpentane	4.655	57	136794	2.085	ppbv	98
45) t-1,3-Dichloropropene	6.428	75	37248	2.048	ppbv	90

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Instrument :
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 ClientSampleId :
 VSTDICC002

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 08/14/2025
 Supervised By :Mahesh Dadoda 08/18/2025

Quant Time: Aug 14 01:46:30 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081325AIR.M

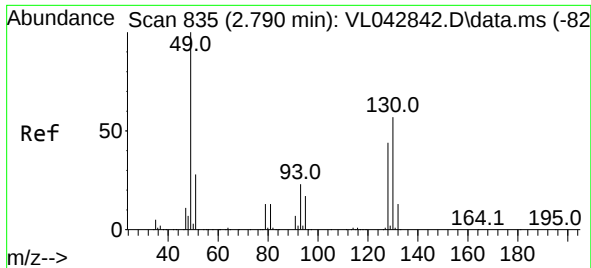
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 14 2025

QLast Update : Thu Aug 14 01:44:36 2025

Response via : Initial Calibration

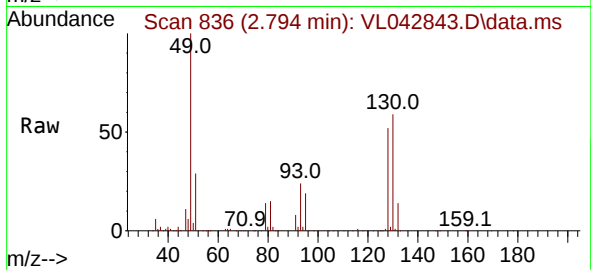
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.609	75	47201m	2.067	ppbv	
47) 1,1,2-Trichloroethane	6.593	97	31477m	2.083	ppbv	
48) Dibromochloromethane	7.399	129	51620	2.109	ppbv	100
49) Bromoform	9.493	173	43662	2.163	ppbv	99
50) 4-Methyl-2-Pentanone	5.768	43	77225	2.066	ppbv	99
51) 2-Hexanone	7.451	43	61210	2.088	ppbv #	98
52) Tetrachloroethene	8.234	164	28166	1.990	ppbv	92
53) Toluene	6.946	91	94690	2.036	ppbv	98
54) 1,2-Dibromoethane	7.665	107	45071	2.039	ppbv	98
56) 1,1,1,2-Tetrachloroethane	8.933	131	40090	2.131	ppbv	97
57) Chlorobenzene	8.933	112	72296	2.090	ppbv	97
58) Ethyl Benzene	9.364	91	133719	2.083	ppbv	99
59) m/p-Xylene	9.558	91	211704m	4.200	ppbv	
60) o-Xylene	9.972	91	105125	2.077	ppbv	100
61) Styrene	9.879	104	48027	2.025	ppbv	96
62) Isopropylbenzene	10.545	105	155223	2.098	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.972	83	56139	2.031	ppbv	98
64) n-propylbenzene	10.995	120	39922	2.115	ppbv	97
65) tert-Butylbenzene	11.536	119	139019	2.132	ppbv	99
66) Benzyl Chloride	11.623	91	17893	2.161	ppbv	97
67) sec-Butylbenzene	11.772	105	196899	2.151	ppbv	98
69) p-Isopropyltoluene	11.931	119	169429	2.156	ppbv	99
70) n-Butylbenzene	12.287	91	169768	2.178	ppbv	99
71) 2-Chlorotoluene	10.908	91	119382	2.078	ppbv	99
72) 4-Ethyltoluene	11.131	105	129786	2.115	ppbv	99
73) 1,3,5-Trimethylbenzene	11.212	105	110043	2.109	ppbv	99
74) 1,2,4-Trimethylbenzene	11.542	105	123554	2.157	ppbv	97
75) 1,3-Dichlorobenzene	11.613	146	70330	2.160	ppbv	100
76) 1,4-Dichlorobenzene	11.678	146	71160	2.161	ppbv	99
77) 1,2-Dichlorobenzene	11.953	146	68944	2.162	ppbv	98
78) Hexachloro-1,3-Butadiene	13.886	225	58509	2.239	ppbv	100
79) Naphthalene	13.517	128	127025	2.478	ppbv	99
80) Naphthalene,2-methyl-	14.462	142	51541	2.670	ppbv	100
81) 1,2,4-Trichlorobenzene	13.445	180	62216	2.384	ppbv	98

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



#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.794 min Scan# 835
Delta R.T. 0.004 min
Lab File: VL042843.D
Acq: 13 Aug 2025 09:06

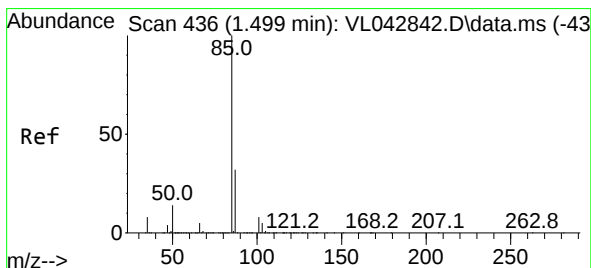
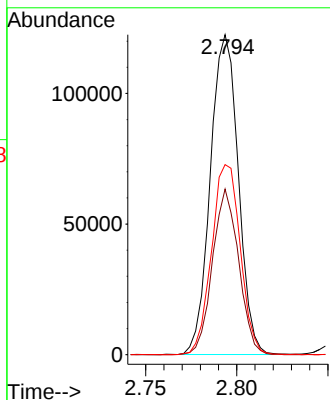
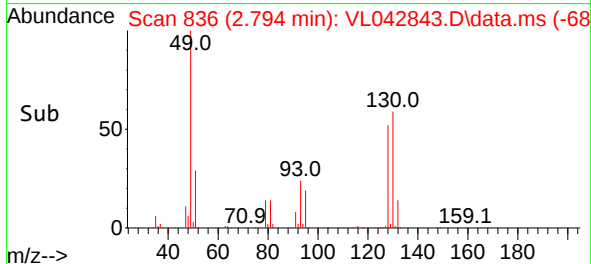
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002



Tgt Ion: 49 Resp: 13055
Ion Ratio Lower Upper
49 100
128 48.7 23.7 71.1
130 61.3 30.6 91.6

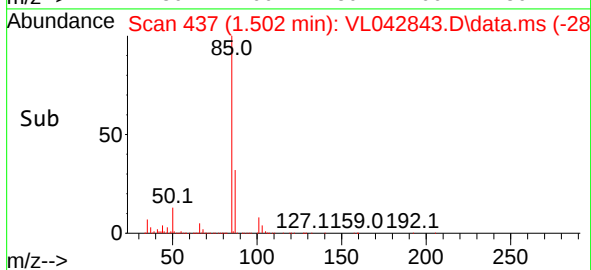
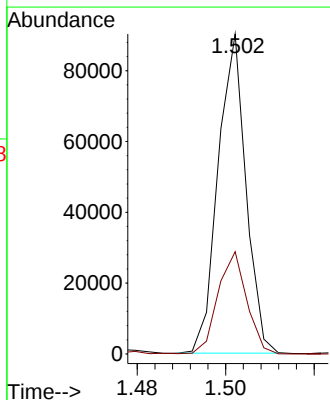
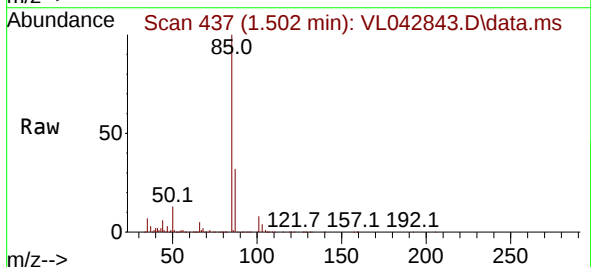
Manual Integrations
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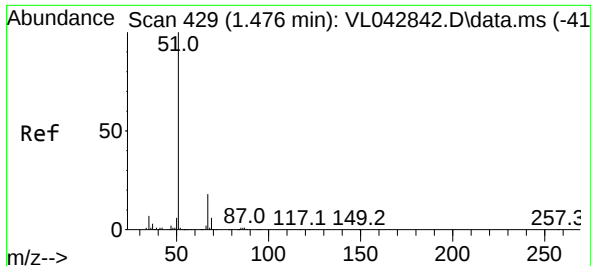
Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025



#2
Dichlorodifluoromethane
Concen: 2.061 ppbv
RT: 1.502 min Scan# 437
Delta R.T. 0.003 min
Lab File: VL042843.D
Acq: 13 Aug 2025 09:06

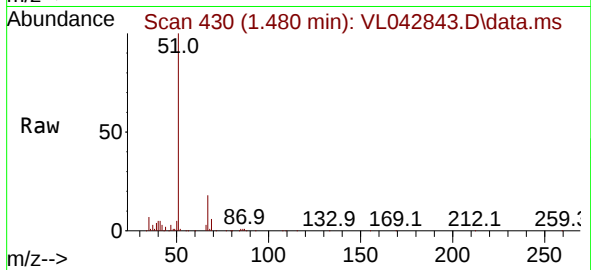
Tgt Ion: 85 Resp: 39443
Ion Ratio Lower Upper
85 100
87 32.0 25.3 37.9





#3
Chlorodifluoromethane
Concen: 2.114 ppbv
RT: 1.480 min Scan# 41
Delta R.T. 0.003 min
Lab File: VL042843.D
Acq: 13 Aug 2025 09:06

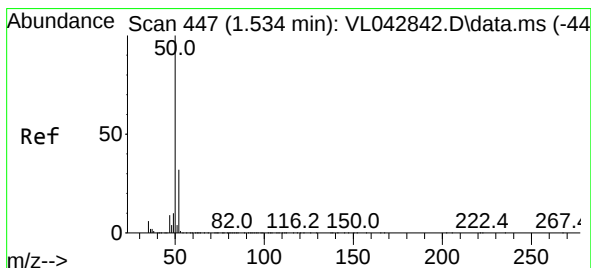
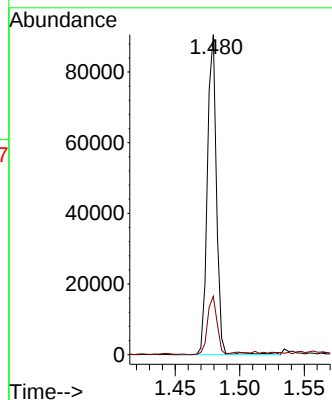
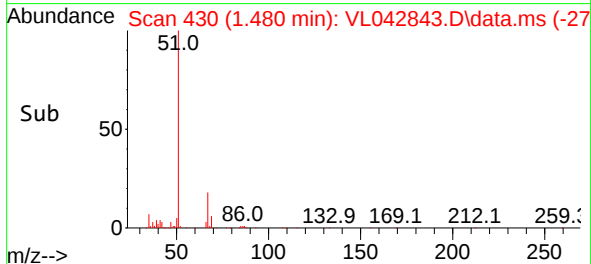
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002



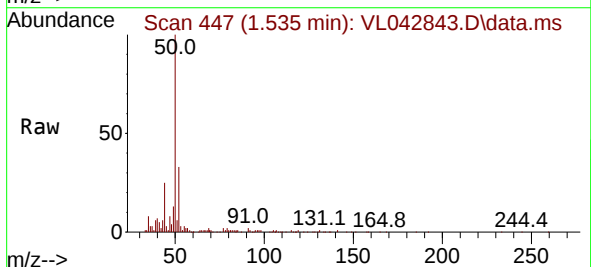
Tgt Ion: 51 Resp: 44759
Ion Ratio Lower Upper
51 100
67 20.3 14.9 22.3

Manual Integrations
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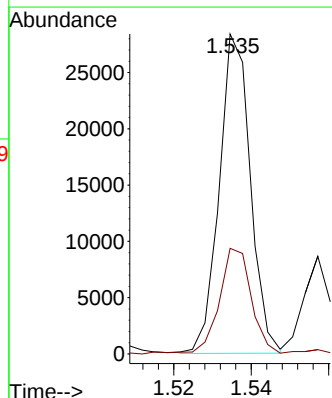
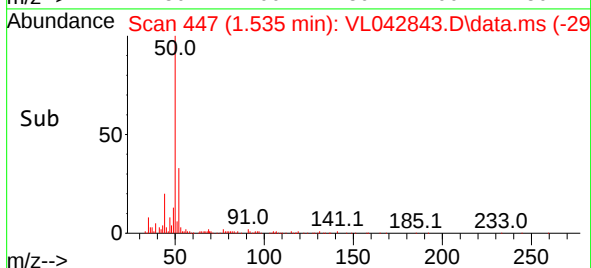
Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

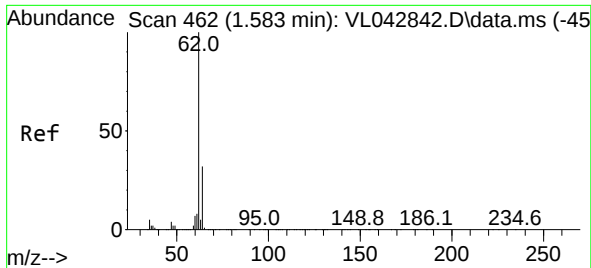


#4
Chloromethane
Concen: 2.050 ppbv
RT: 1.535 min Scan# 447
Delta R.T. 0.000 min
Lab File: VL042843.D
Acq: 13 Aug 2025 09:06



Tgt Ion: 50 Resp: 15826
Ion Ratio Lower Upper
50 100
52 33.0 25.9 38.9





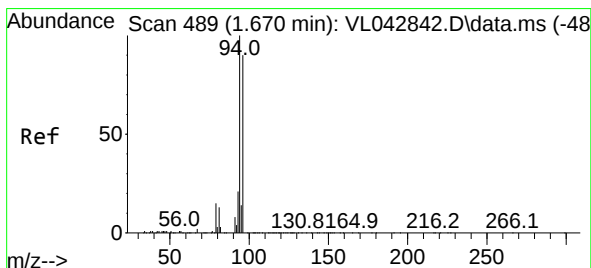
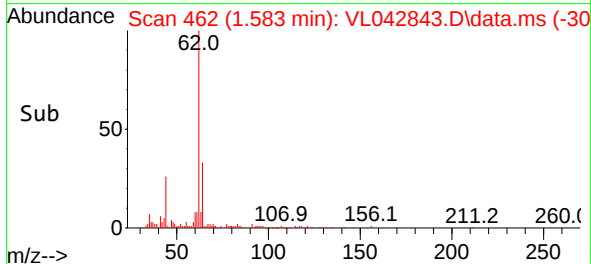
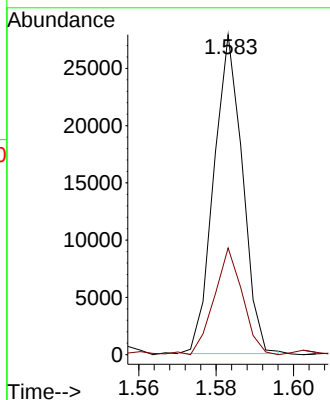
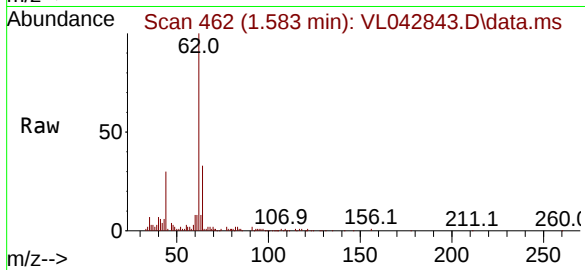
#5
 Vinyl Chloride
 Concen: 1.888 ppbv
 RT: 1.583 min Scan# 462
 Delta R.T. 0.000 min
 Lab File: VL042843.D
 Acq: 13 Aug 2025 09:06

Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC002

Tgt Ion: 62 Resp: 14358
 Ion Ratio Lower Upper
 62 100
 64 33.5 25.4 38.2

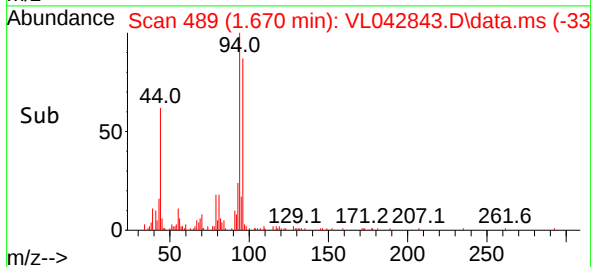
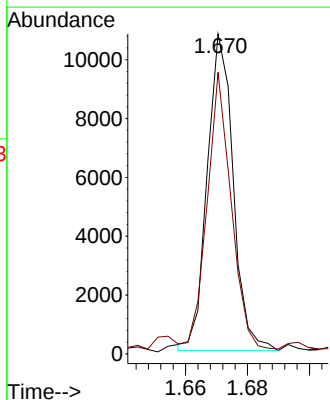
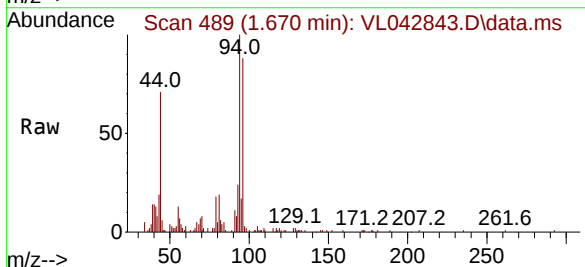
Manual Integrations
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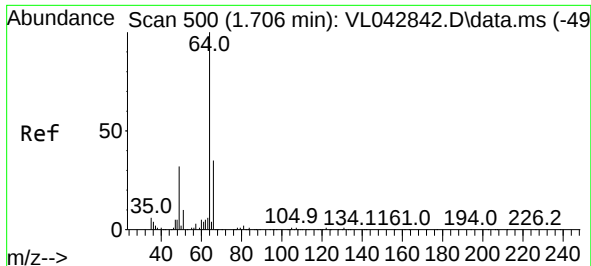
Reviewed By :Semsettin Yesilyurt 08/14/2025
 Supervised By :Mahesh Dadoda 08/18/2025



#6
 Bromomethane
 Concen: 2.055 ppbv
 RT: 1.670 min Scan# 489
 Delta R.T. 0.000 min
 Lab File: VL042843.D
 Acq: 13 Aug 2025 09:06

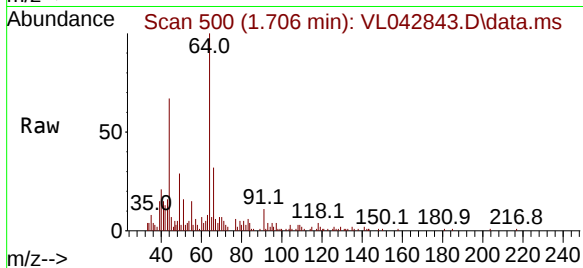
Tgt Ion: 94 Resp: 6248
 Ion Ratio Lower Upper
 94 100
 96 87.4 72.1 108.1





#7
Chloroethane
Concen: 1.925 ppbv
RT: 1.706 min Scan# 500
Delta R.T. 0.000 min
Lab File: VL042843.D
Acq: 13 Aug 2025 09:06

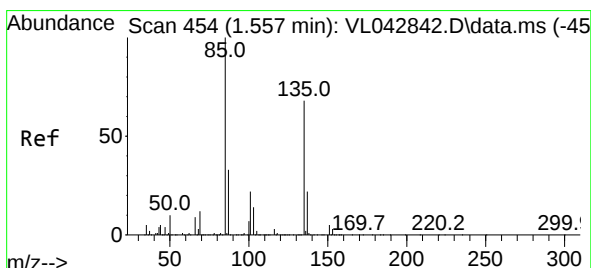
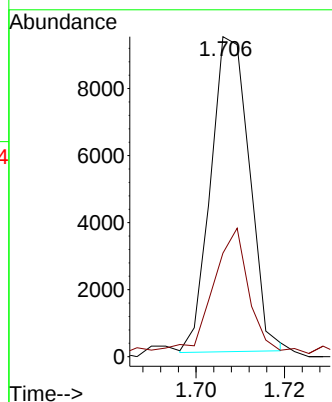
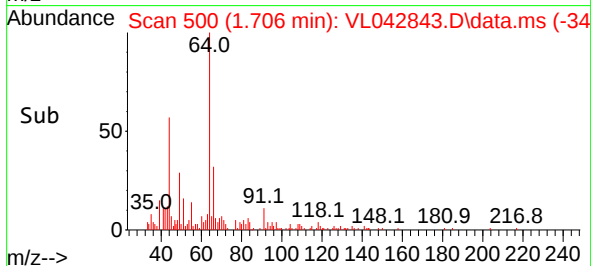
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002



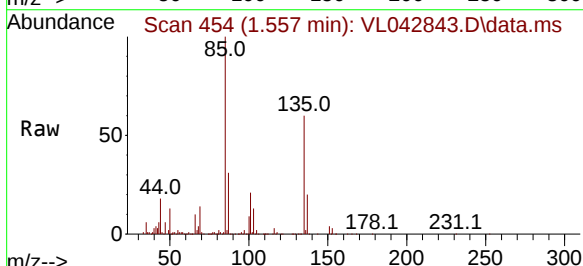
Tgt Ion: 64 Resp: 571
Ion Ratio Lower Upper
64 100
66 32.3 28.6 42.8

Manual Integrations
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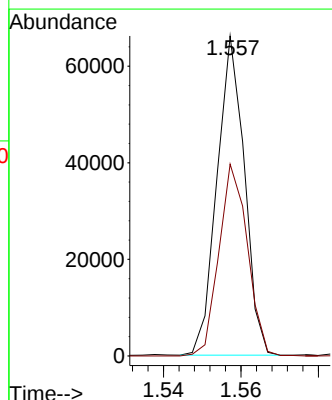
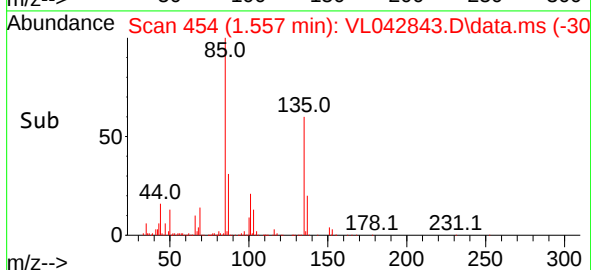
Reviewed By :Semsettin Yesilyurt 08/14/2025
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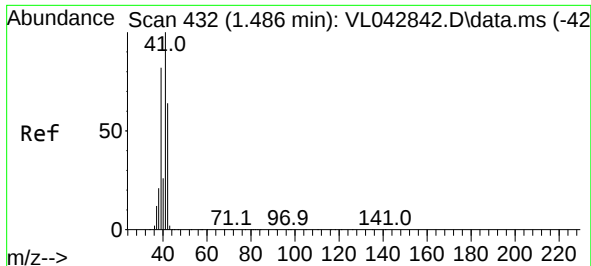


#8
Dichlorotetrafluoroethane
Concen: 2.075 ppbv
RT: 1.557 min Scan# 454
Delta R.T. 0.000 min
Lab File: VL042843.D
Acq: 13 Aug 2025 09:06



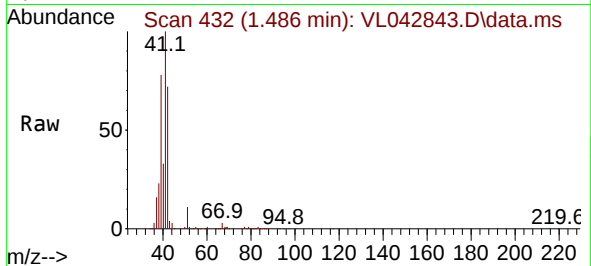
Tgt Ion: 85 Resp: 32496
Ion Ratio Lower Upper
85 100
135 62.7 51.2 76.8





#9
 Propene
 Concen: 2.045 ppbv
 RT: 1.486 min Scan# 41
 Delta R.T. 0.000 min
 Lab File: VL042843.D
 Acq: 13 Aug 2025 09:06

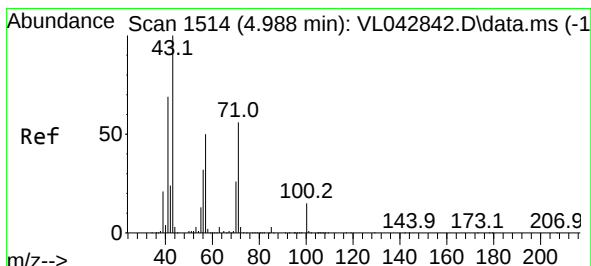
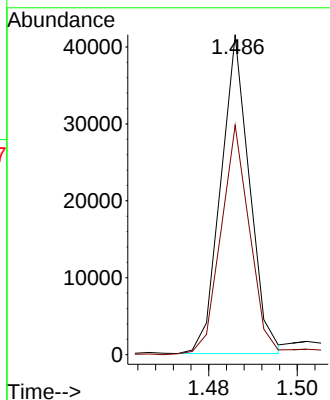
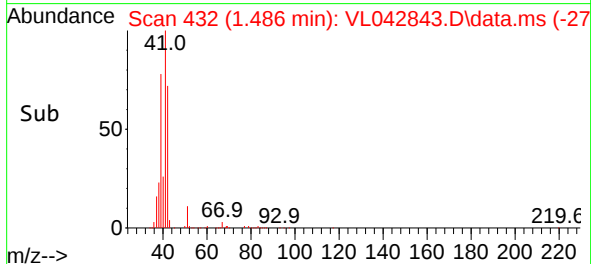
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002



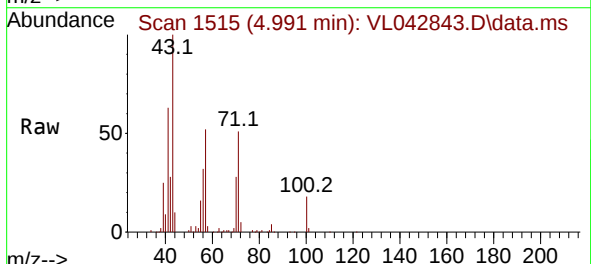
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 Ion Ratio Lower Upper
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 42 74.8 53.0 79.4

Manual Integrations
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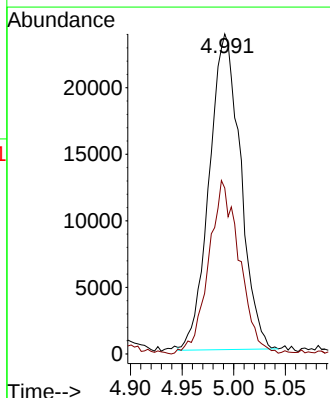
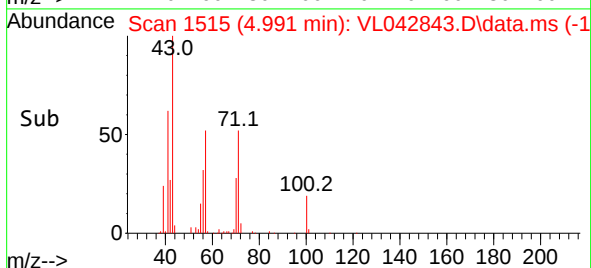
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 Supervised By :Mahesh Dadoda 08/18/2025

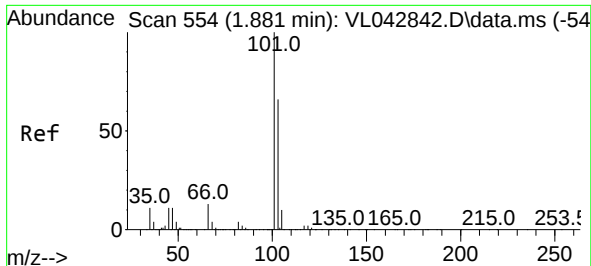


#10
 Heptane
 Concen: 2.050 ppbv
 RT: 4.991 min Scan# 1515
 Delta R.T. 0.003 min
 Lab File: VL042843.D
 Acq: 13 Aug 2025 09:06



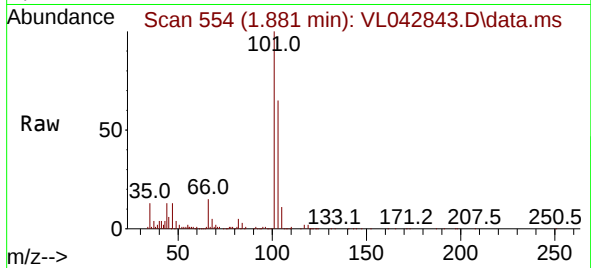
Tgt Ion: 43 Resp: 50062
 Ion Ratio Lower Upper
 43 100
 57 54.1 41.4 62.0





#11
 Trichlorofluoromethane
 Concen: 2.029 ppbv
 RT: 1.881 min Scan# 554
 Delta R.T. 0.000 min
 Lab File: VL042843.D
 Acq: 13 Aug 2025 09:06

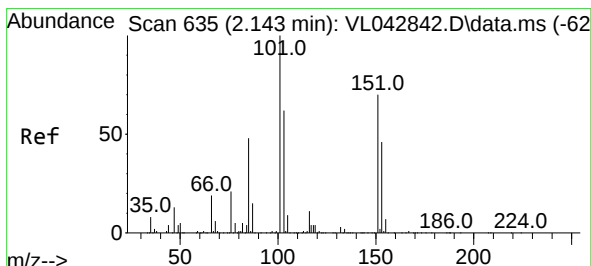
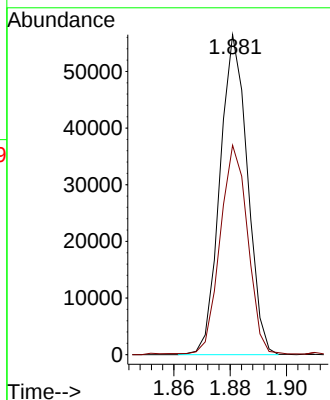
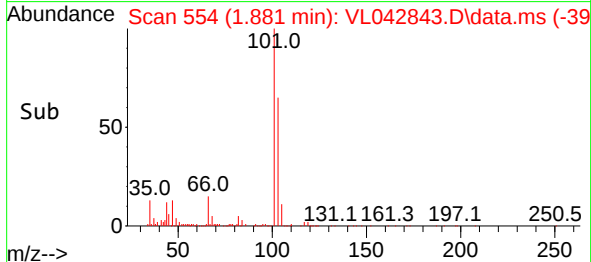
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002



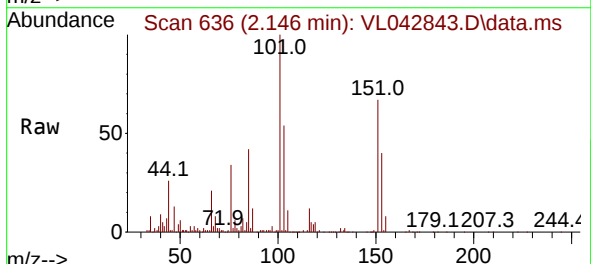
Tgt Ion:101 Resp: 38308
 Ion Ratio Lower Upper
 101 100
 103 65.1 52.5 78.7

Manual Integrations
 APPROVED

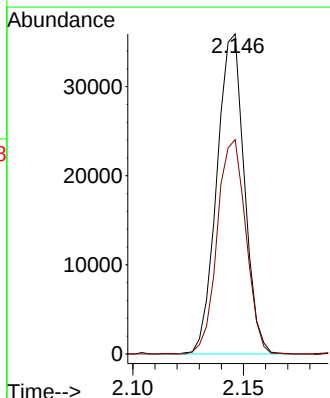
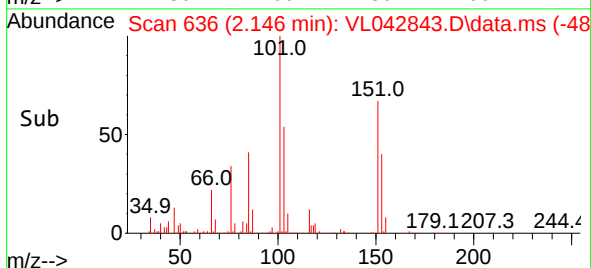
Reviewed By :Semsettin Yesilyurt 08/14/2025
 Supervised By :Mahesh Dadoda 08/18/2025

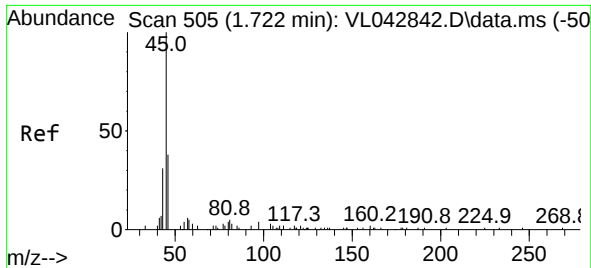


#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 2.064 ppbv
 RT: 2.146 min Scan# 636
 Delta R.T. 0.003 min
 Lab File: VL042843.D
 Acq: 13 Aug 2025 09:06



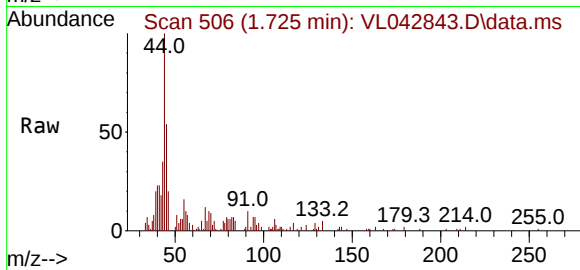
Tgt Ion:101 Resp: 31052
 Ion Ratio Lower Upper
 101 100
 151 69.7 56.4 84.6





#13
Ethanol
Concen: 2.008 ppbv
RT: 1.725 min Scan# 505
Delta R.T. 0.003 min
Lab File: VL042843.D
Acq: 13 Aug 2025 09:06

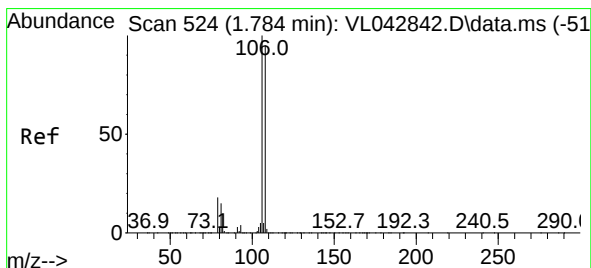
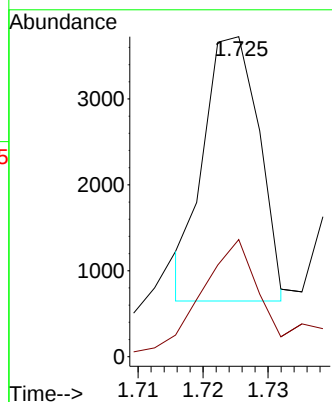
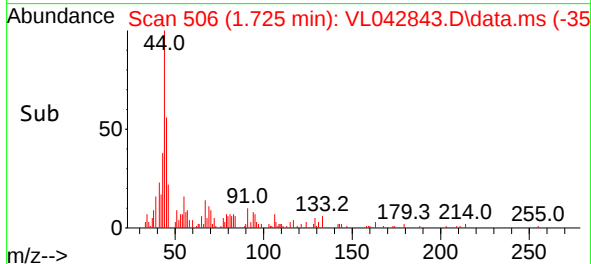
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002



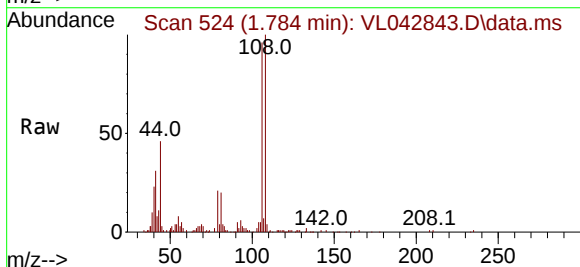
Tgt Ion: 45 Resp: 181
Ion Ratio Lower Upper
45 100
46 60.5 17.5 69.9

Manual Integrations
APPROVED

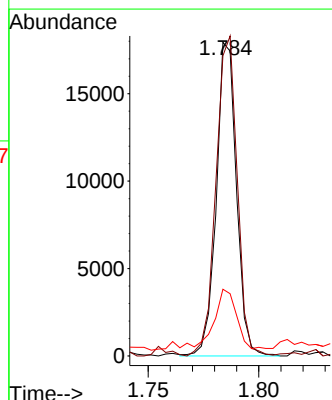
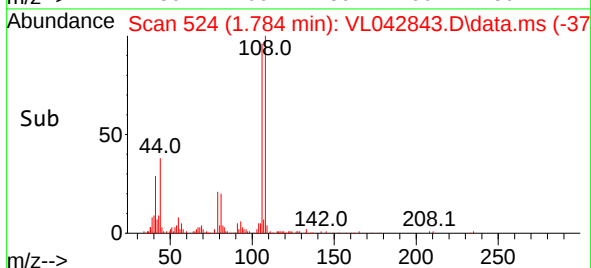
Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

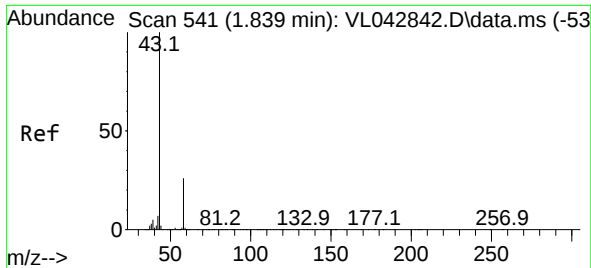


#14
Bromoethene
Concen: 2.089 ppbv
RT: 1.784 min Scan# 524
Delta R.T. 0.000 min
Lab File: VL042843.D
Acq: 13 Aug 2025 09:06



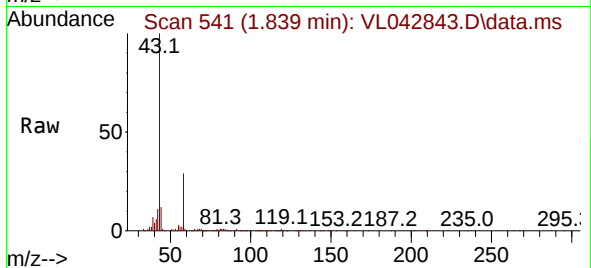
Tgt Ion:108 Resp: 11376
Ion Ratio Lower Upper
108 100
106 110.8 85.1 127.7
79 22.6 16.3 24.5





#15
Acetone
Concen: 2.231 ppbv
RT: 1.839 min Scan# 541
Delta R.T. 0.000 min
Lab File: VL042843.D
Acq: 13 Aug 2025 09:06

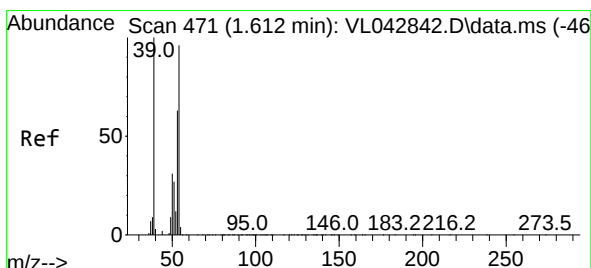
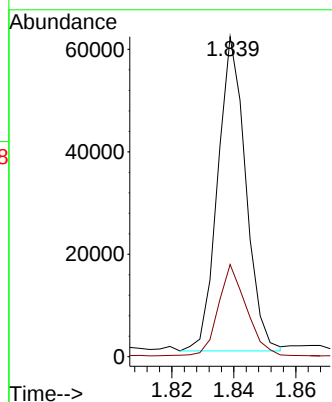
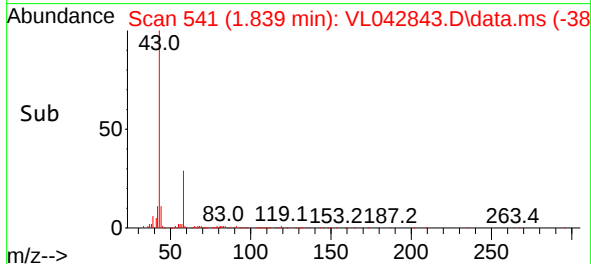
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002



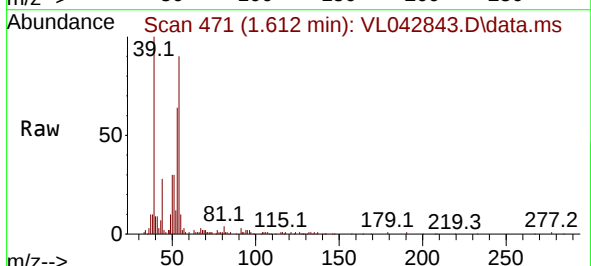
Tgt Ion: 43 Resp: 3853
Ion Ratio Lower Upper
43 100
58 30.3 22.4 33.6

Manual Integrations
APPROVED

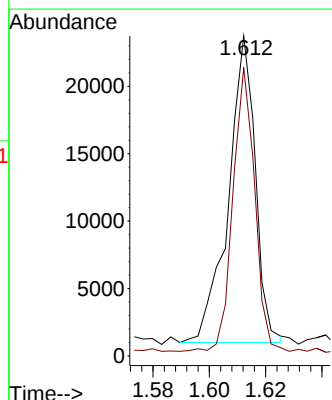
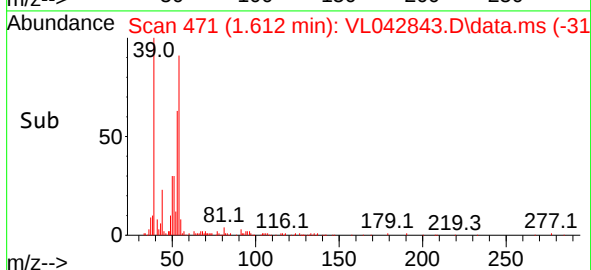
Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

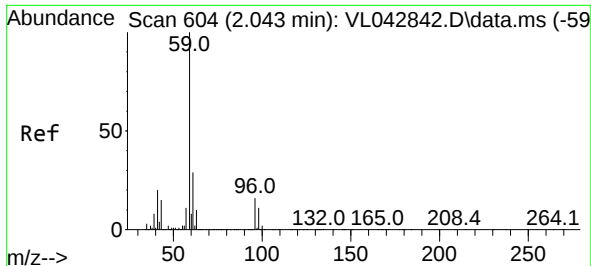


#16
1,3-Butadiene
Concen: 1.932 ppbv
RT: 1.612 min Scan# 471
Delta R.T. 0.000 min
Lab File: VL042843.D
Acq: 13 Aug 2025 09:06



Tgt Ion: 39 Resp: 15122
Ion Ratio Lower Upper
39 100
54 80.8 63.6 95.4





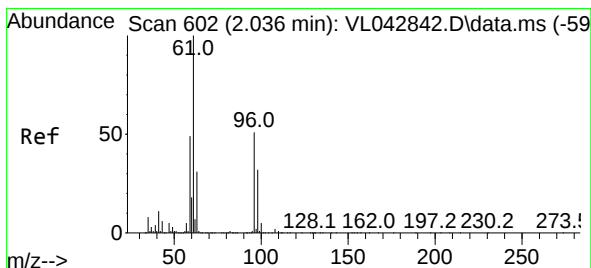
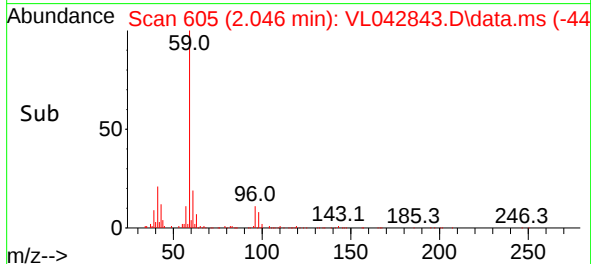
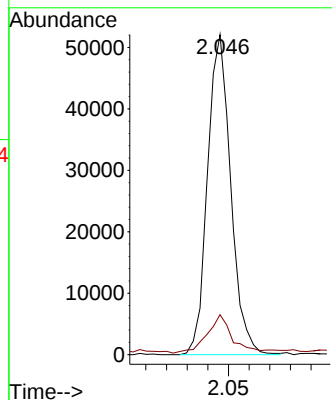
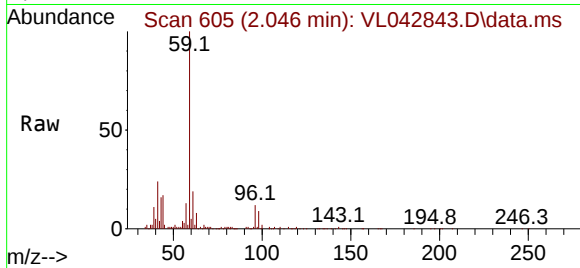
#17
tert-Butyl alcohol
Concen: 1.985 ppbv
RT: 2.046 min Scan# 604
Delta R.T. 0.003 min
Lab File: VL042843.D
Acq: 13 Aug 2025 09:06

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tgt Ion: 59 Resp: 40652
Ion Ratio Lower Upper
59 100
57 12.4 9.0 13.4

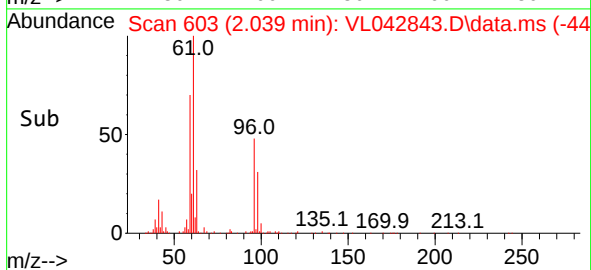
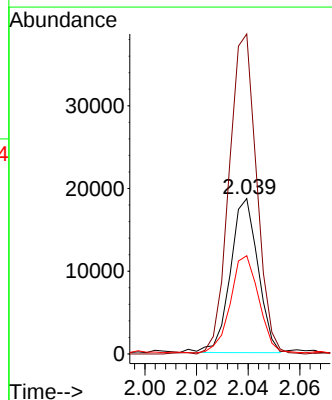
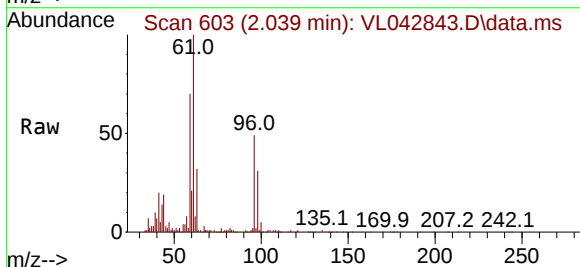
Manual Integrations
APPROVED

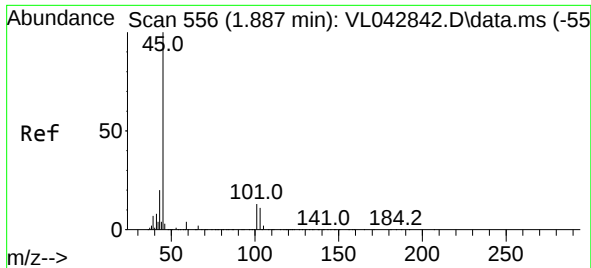
Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025



#18
1,1-Dichloroethene
Concen: 2.099 ppbv
RT: 2.039 min Scan# 603
Delta R.T. 0.003 min
Lab File: VL042843.D
Acq: 13 Aug 2025 09:06

Tgt Ion: 96 Resp: 13883
Ion Ratio Lower Upper
96 100
61 207.1 158.2 237.4
98 62.6 50.6 76.0





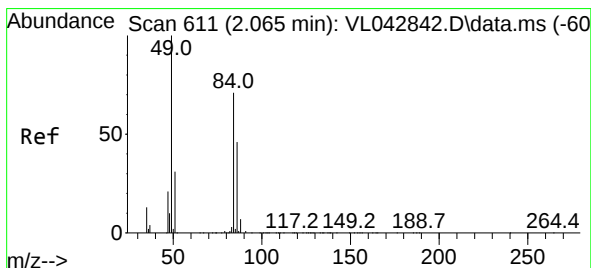
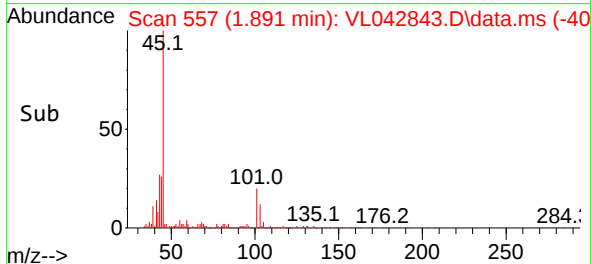
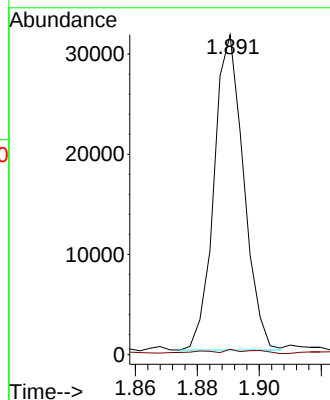
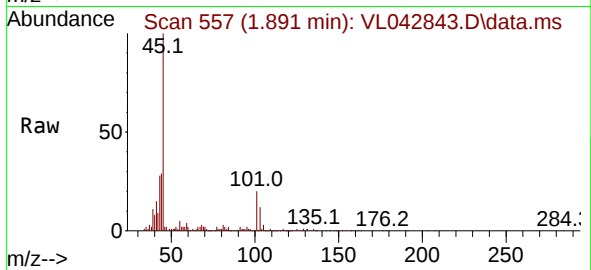
#19
Isopropyl Alcohol
Concen: 2.023 ppbv
RT: 1.891 min Scan# 556
Delta R.T. 0.003 min
Lab File: VL042843.D
Acq: 13 Aug 2025 09:06

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 45 Resp: 20860
Ion Ratio Lower Upper
45 100
58 3.1 32.7 49.1

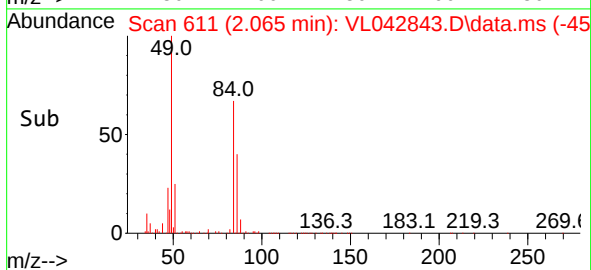
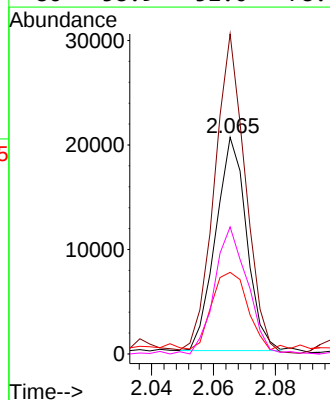
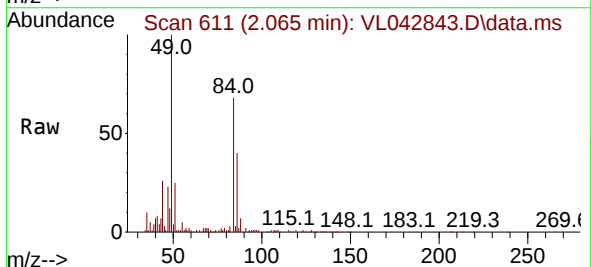
Manual Integrations
APPROVED

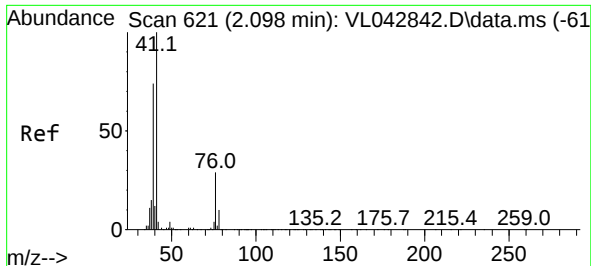
Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025



#20
Methylene Chloride
Concen: 1.963 ppbv
RT: 2.065 min Scan# 611
Delta R.T. 0.000 min
Lab File: VL042843.D
Acq: 13 Aug 2025 09:06

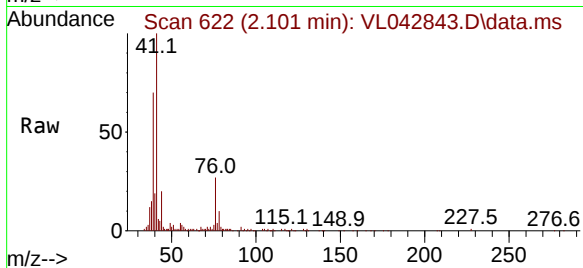
Tgt Ion: 84 Resp: 14204
Ion Ratio Lower Upper
84 100
49 148.1 112.3 168.5
51 35.3 36.0 54.0#
86 58.9 52.0 78.0





#21
 Allyl Chloride
 Concen: 2.021 ppbv
 RT: 2.101 min Scan# 611
 Delta R.T. 0.003 min
 Lab File: VL042843.D
 Acq: 13 Aug 2025 09:06

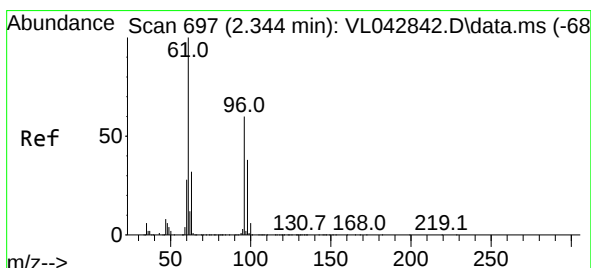
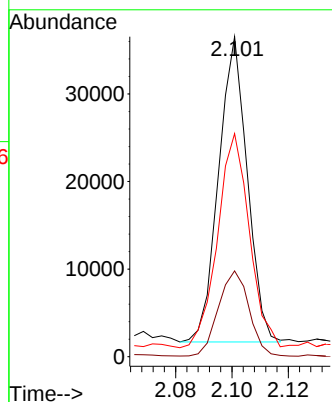
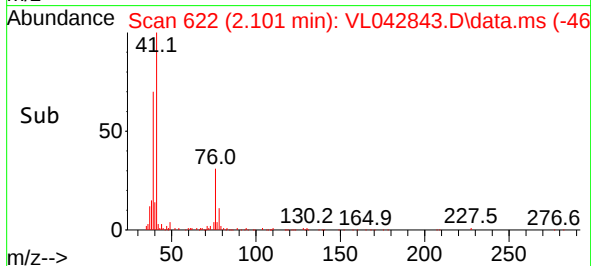
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002



Tgt Ion: 41 Resp: 24662
 Ion Ratio Lower Upper
 41 100
 76 31.2 23.9 35.9
 39 76.0 57.8 86.6

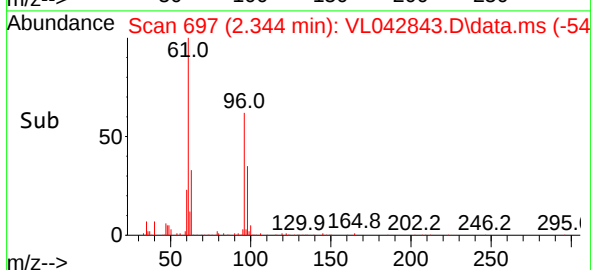
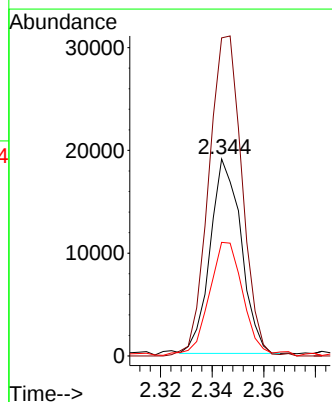
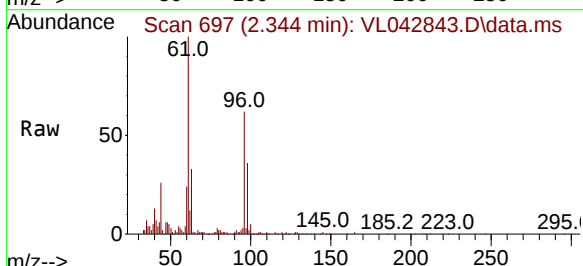
Manual Integrations
 APPROVED

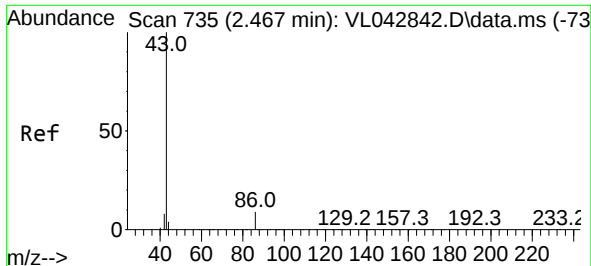
Reviewed By :Semsettin Yesilyurt 08/14/2025
 Supervised By :Mahesh Dadoda 08/18/2025



#22
 trans-1,2-Dichloroethene
 Concen: 2.132 ppbv
 RT: 2.344 min Scan# 697
 Delta R.T. 0.000 min
 Lab File: VL042843.D
 Acq: 13 Aug 2025 09:06

Tgt Ion: 96 Resp: 15773
 Ion Ratio Lower Upper
 96 100
 61 162.8 132.6 199.0
 98 56.7 50.0 75.0





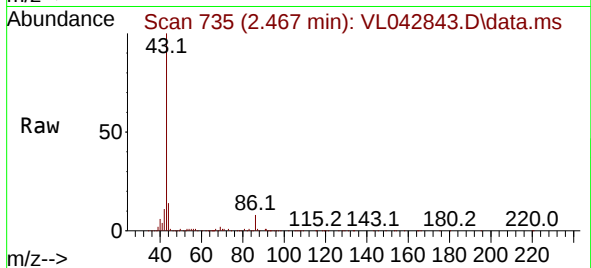
#23
 Vinyl Acetate
 Concen: 2.125 ppbv
 RT: 2.467 min Scan# 719
 Delta R.T. 0.000 min
 Lab File: VL042843.D
 Acq: 13 Aug 2025 09:06

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC002

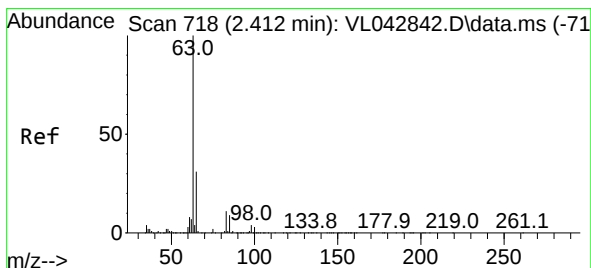
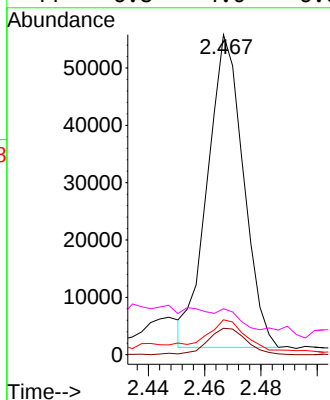
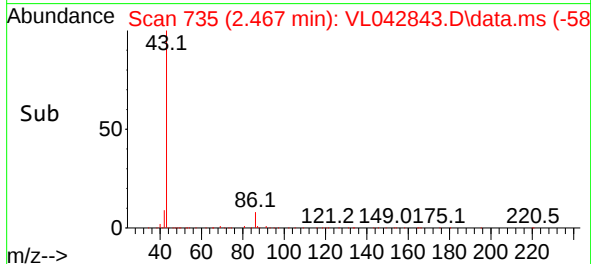


Tgt Ion	Ratio	Lower	Upper
43	100		
86	8.2	6.6	9.8
42	9.7	7.0	10.6
44	6.8	4.0	6.0

Manual Integrations

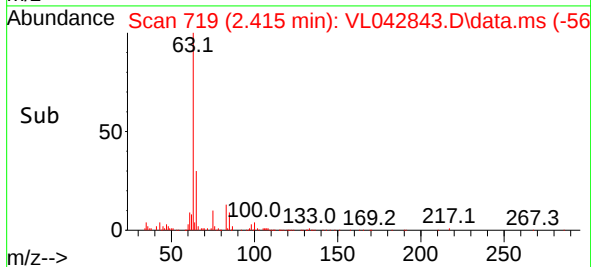
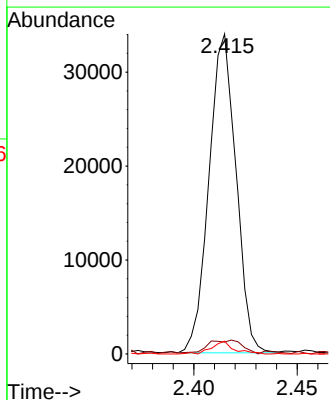
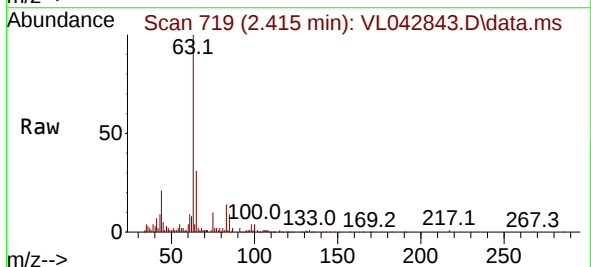
APPROVED

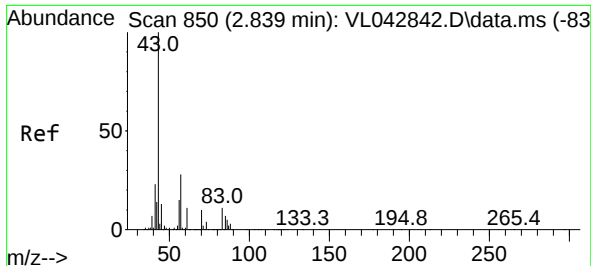
Reviewed By :Semsettin Yesilyurt 08/14/2025
 Supervised By :Mahesh Dadoda 08/18/2025



#24
 1,1-Dichloroethane
 Concen: 2.024 ppbv
 RT: 2.415 min Scan# 719
 Delta R.T. 0.003 min
 Lab File: VL042843.D
 Acq: 13 Aug 2025 09:06

Tgt Ion	Ratio	Lower	Upper
63	100		
98	3.4	2.1	6.5
100	4.0	1.7	5.1





#25
Ethyl Acetate
Concen: 2.077 ppbv
RT: 2.842 min Scan# 81
Delta R.T. 0.003 min
Lab File: VL042843.D
Acq: 13 Aug 2025 09:06

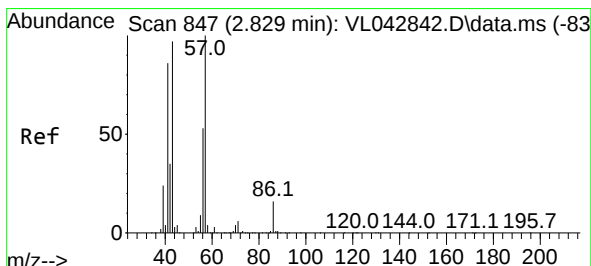
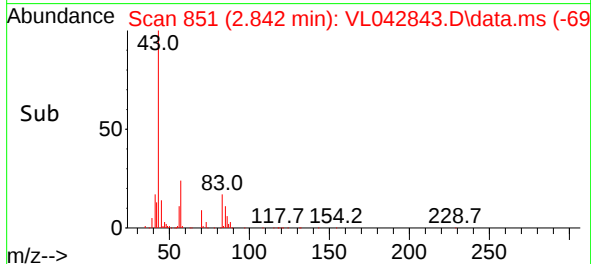
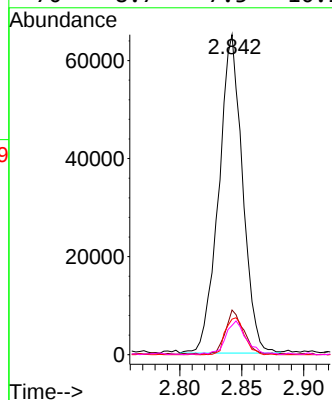
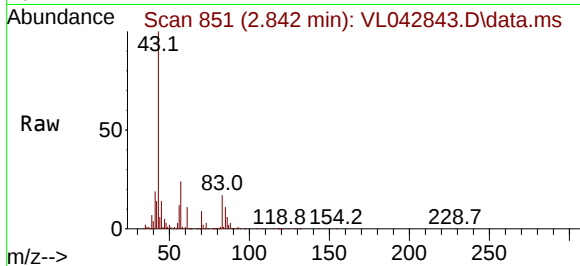
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tgt Ion: 43 Resp: 86804

Ion	Ratio	Lower	Upper
43	100		
45	11.4	8.1	12.1
61	9.4	7.4	11.2
70	8.7	7.3	10.9

Manual Integrations
APPROVED

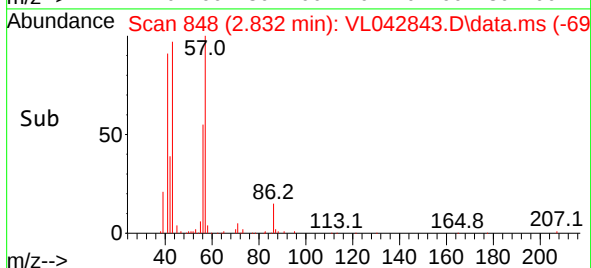
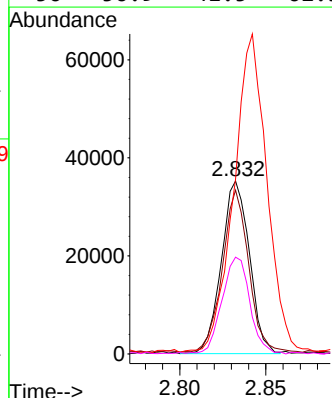
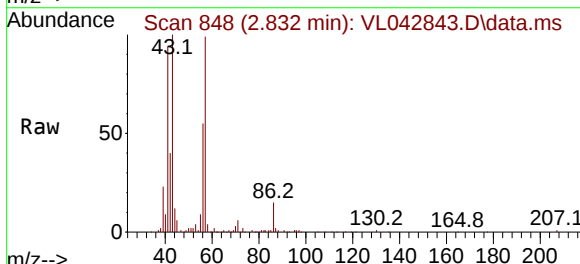
Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

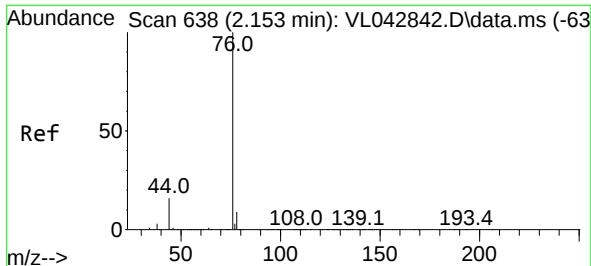


#26
Hexane
Concen: 2.060 ppbv
RT: 2.832 min Scan# 848
Delta R.T. 0.003 min
Lab File: VL042843.D
Acq: 13 Aug 2025 09:06

Tgt Ion: 57 Resp: 39735

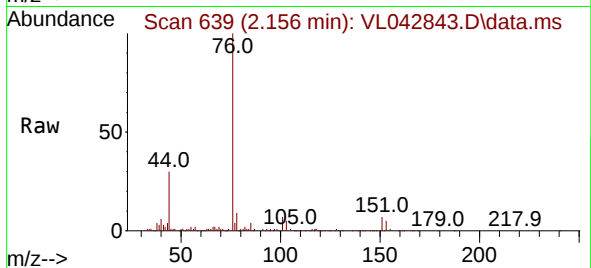
Ion	Ratio	Lower	Upper
57	100		
41	90.3	68.6	103.0
43	219.4	168.5	252.7
56	56.9	41.5	62.3





#27
Carbon Disulfide
Concen: 2.102 ppbv
RT: 2.156 min Scan# 613
Delta R.T. 0.003 min
Lab File: VL042843.D
Acq: 13 Aug 2025 09:06

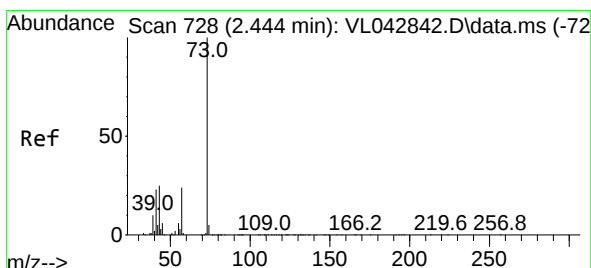
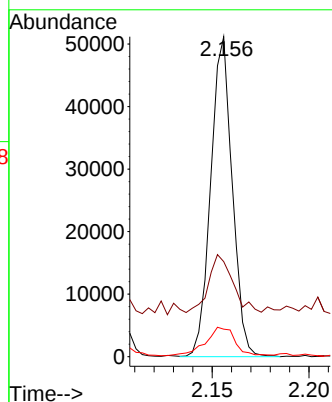
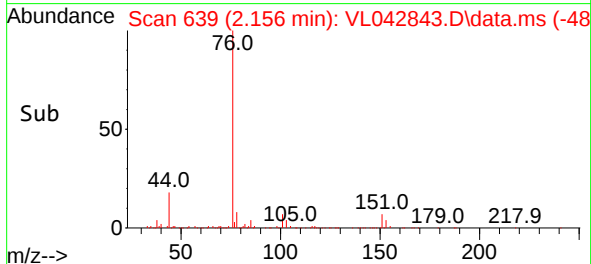
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002



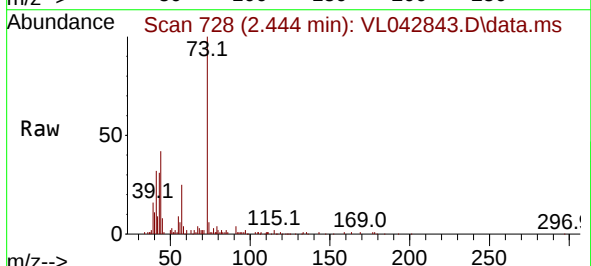
Tgt Ion: 76 Resp: 39460
Ion Ratio Lower Upper
76 100
44 81.0 15.9 23.9
78 13.8 9.5 14.3

Manual Integrations
APPROVED

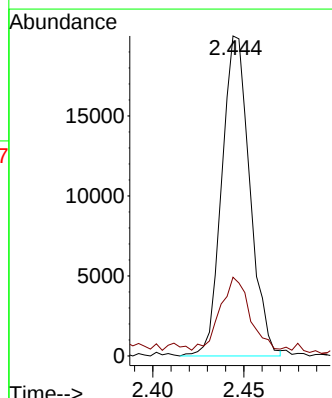
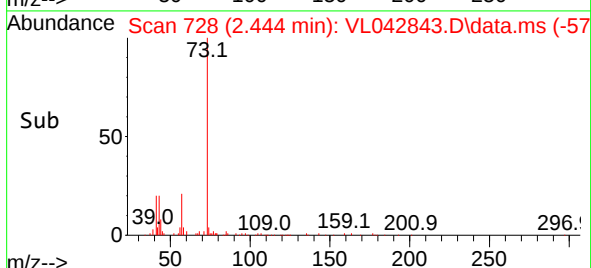
Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

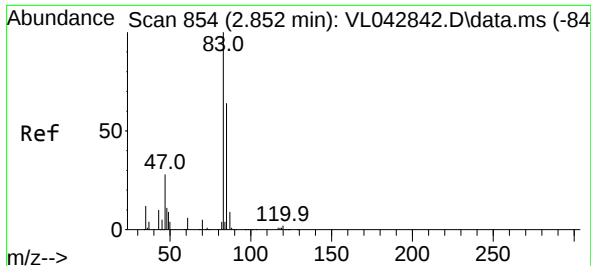


#28
Methyl tert-Butyl Ether
Concen: 2.169 ppbv
RT: 2.444 min Scan# 728
Delta R.T. 0.000 min
Lab File: VL042843.D
Acq: 13 Aug 2025 09:06



Tgt Ion: 73 Resp: 21341
Ion Ratio Lower Upper
73 100
57 24.8 21.6 32.4





#29

Chloroform

Concen: 2.053 ppbv

RT: 2.855 min Scan# 855

Delta R.T. 0.003 min

Lab File: VL042843.D

Acq: 13 Aug 2025 09:06

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC002

Tgt Ion: 83 Resp: 5655

Ion Ratio Lower Upper

83 100

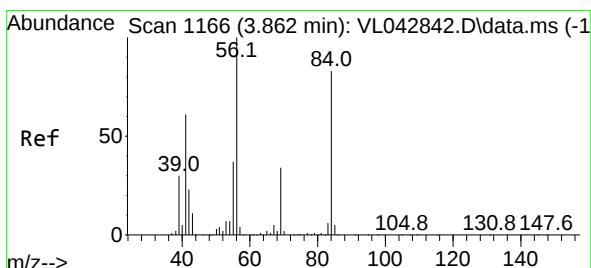
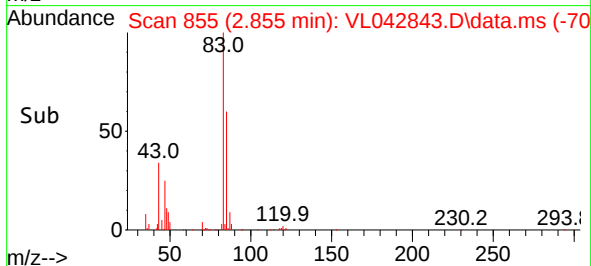
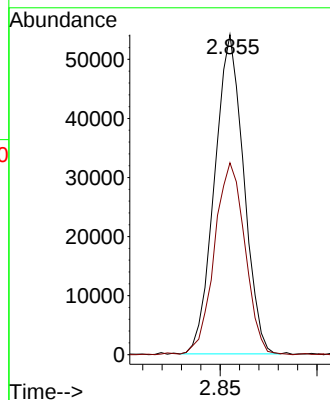
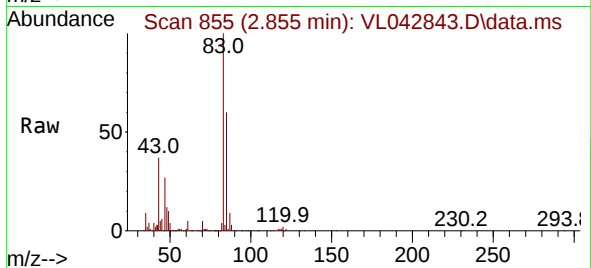
85 59.9 51.1 76.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/14/2025

Supervised By :Mahesh Dadoda 08/18/2025



#30

Cyclohexane

Concen: 2.069 ppbv

RT: 3.868 min Scan# 1168

Delta R.T. 0.007 min

Lab File: VL042843.D

Acq: 13 Aug 2025 09:06

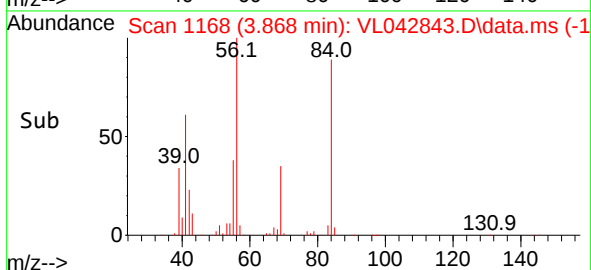
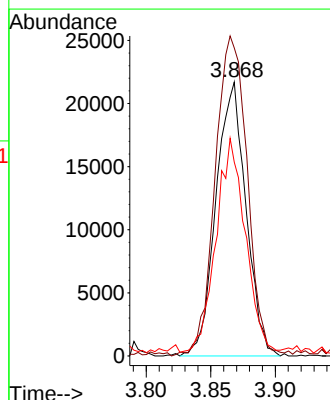
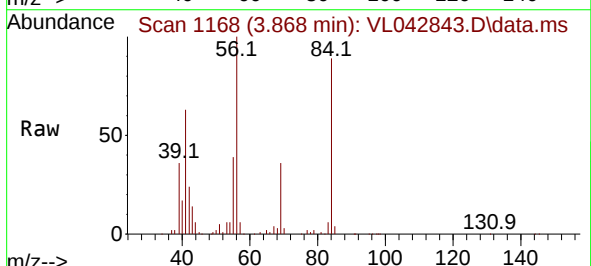
Tgt Ion: 84 Resp: 34992

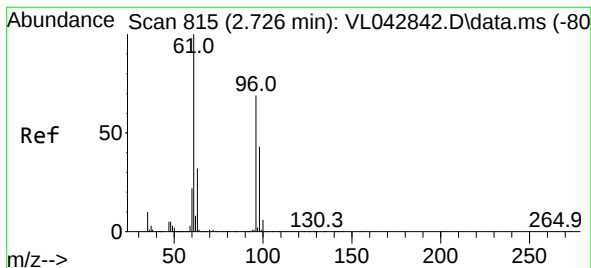
Ion Ratio Lower Upper

84 100

56 123.9 98.8 148.2

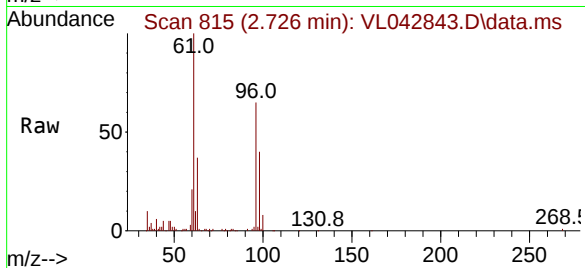
41 79.6 61.3 91.9





#31
 cis-1,2-Dichloroethene
 Concen: 2.062 ppbv
 RT: 2.726 min Scan# 815
 Delta R.T. 0.000 min
 Lab File: VL042843.D
 Acq: 13 Aug 2025 09:06

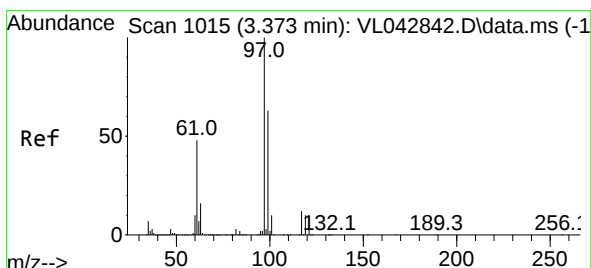
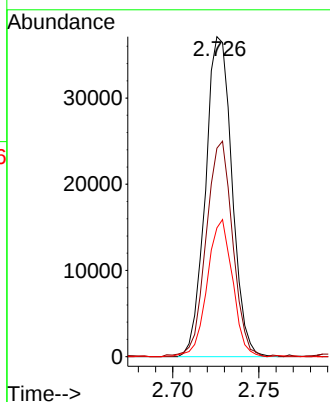
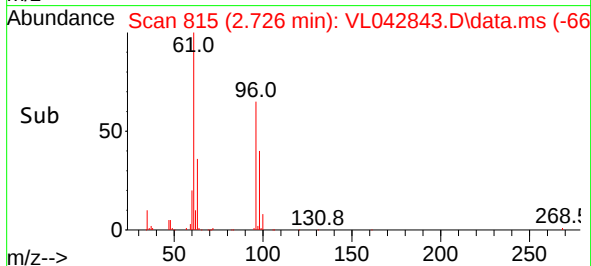
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002



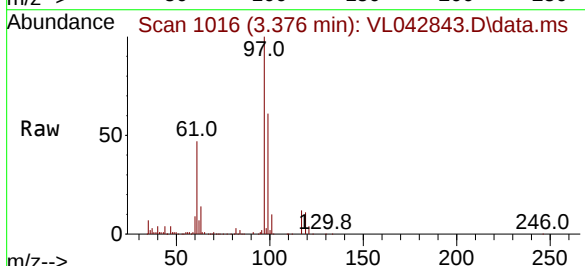
Tgt Ion: 61 Resp: 3978
 Ion Ratio Lower Upper
 61 100
 96 64.8 55.0 82.6
 98 39.9 34.3 51.5

Manual Integrations
 APPROVED

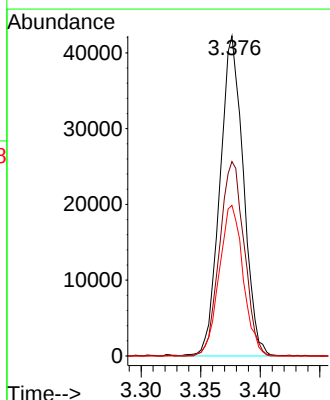
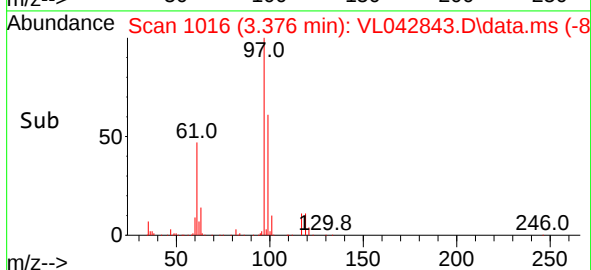
Reviewed By :Semsettin Yesilyurt 08/14/2025
 Supervised By :Mahesh Dadoda 08/18/2025

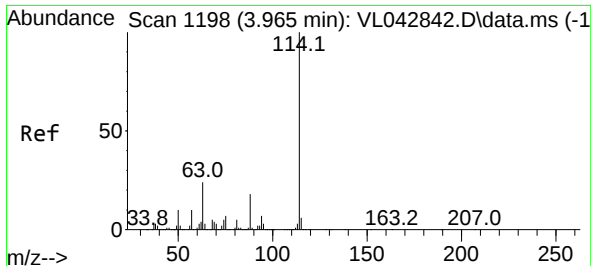


#32
 1,1,1-Trichloroethane
 Concen: 1.983 ppbv
 RT: 3.376 min Scan# 1016
 Delta R.T. 0.003 min
 Lab File: VL042843.D
 Acq: 13 Aug 2025 09:06



Tgt Ion: 97 Resp: 57837
 Ion Ratio Lower Upper
 97 100
 99 63.9 51.0 76.6
 61 48.1 38.0 57.0





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.965 min Scan# 1198

Delta R.T. 0.000 min

Lab File: VL042843.D

Acq: 13 Aug 2025 09:06

Instrument :

MSVOA_L

ClientSampleId :

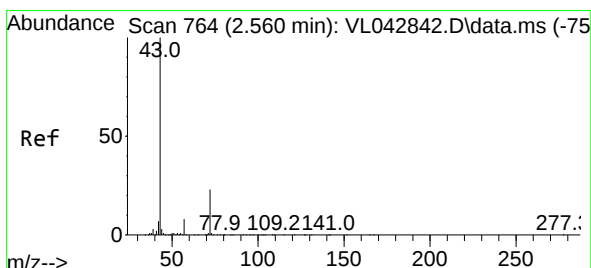
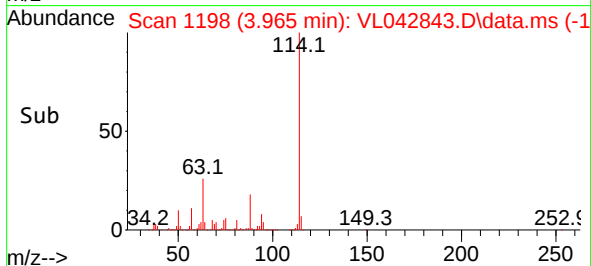
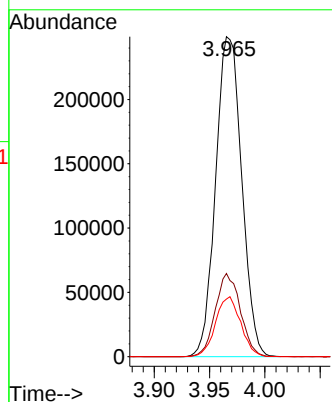
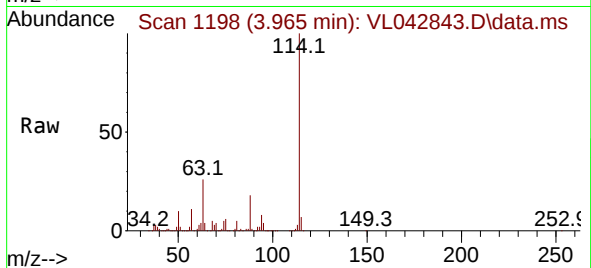
VSTDIC002

Tgt Ion:	114	Resp:	40814
Ion	Ratio	Lower	Upper
114	100		
63	25.0	19.7	29.5
88	18.1	14.4	21.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025



#34

2-Butanone

Concen: 2.075 ppbv

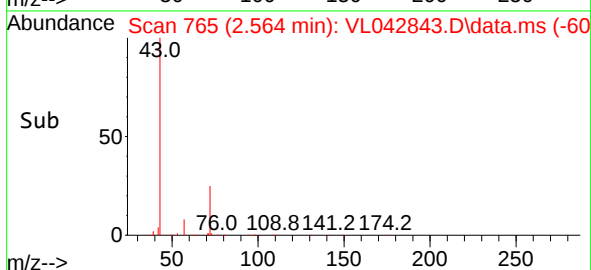
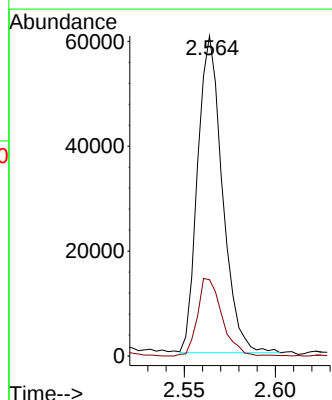
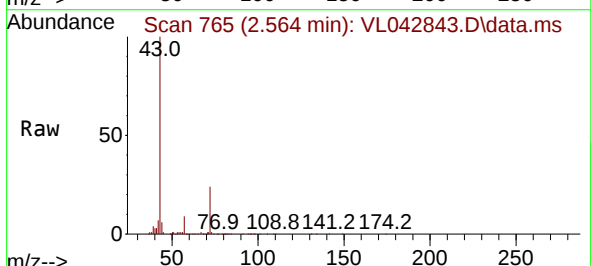
RT: 2.564 min Scan# 765

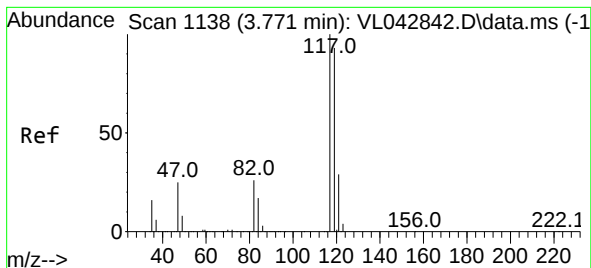
Delta R.T. 0.003 min

Lab File: VL042843.D

Acq: 13 Aug 2025 09:06

Tgt Ion:	43	Resp:	57172
Ion	Ratio	Lower	Upper
43	100		
72	24.3	18.6	28.0





#35

Carbon Tetrachloride

Concen: 2.007 ppbv

RT: 3.771 min Scan# 1138

Delta R.T. 0.000 min

Lab File: VL042843.D

Acq: 13 Aug 2025 09:06

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tgt Ion:117 Resp: 5645

Ion Ratio Lower Upper

117 100

119 89.9 74.7 112.1

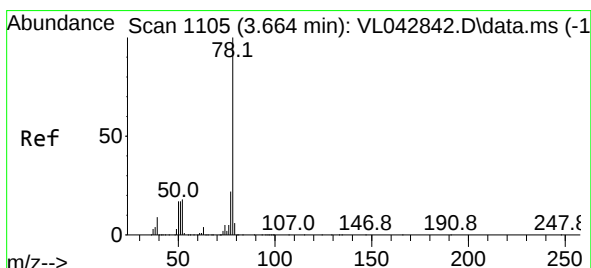
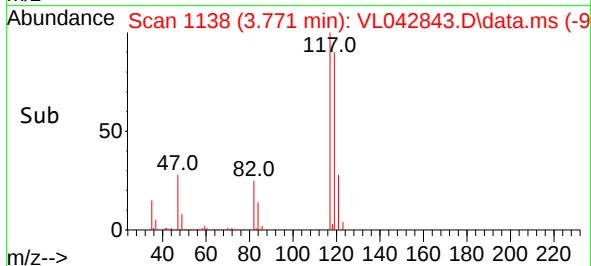
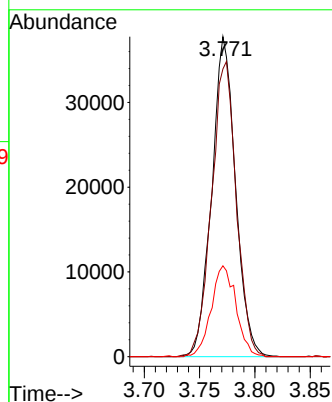
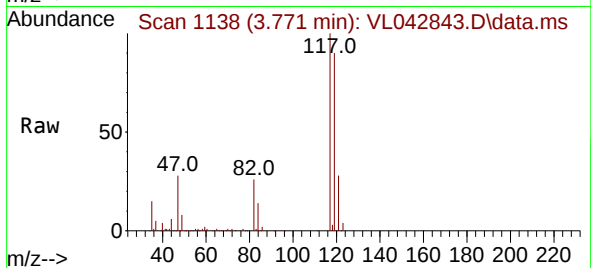
121 28.4 23.2 34.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/14/2025

Supervised By :Mahesh Dadoda 08/18/2025



#36

Benzene

Concen: 2.067 ppbv

RT: 3.664 min Scan# 1105

Delta R.T. 0.000 min

Lab File: VL042843.D

Acq: 13 Aug 2025 09:06

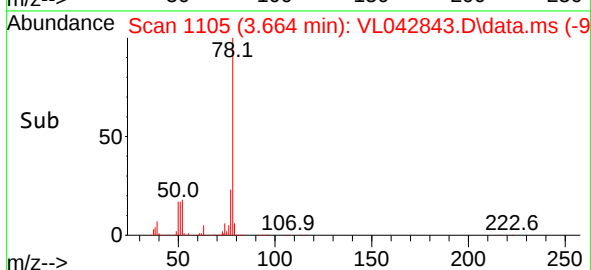
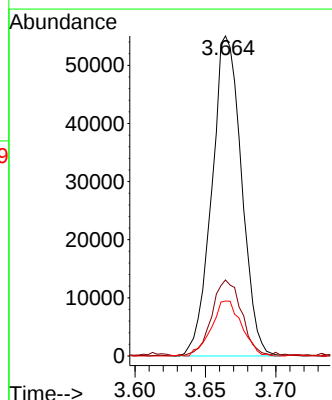
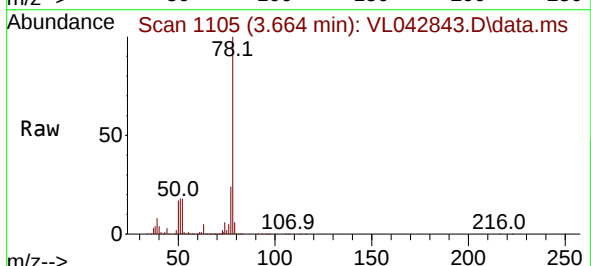
Tgt Ion: 78 Resp: 80781

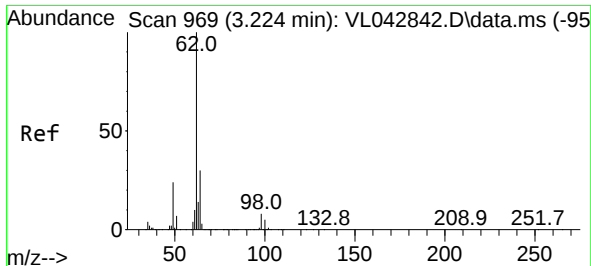
Ion Ratio Lower Upper

78 100

77 23.5 17.7 26.5

50 17.2 13.9 20.9





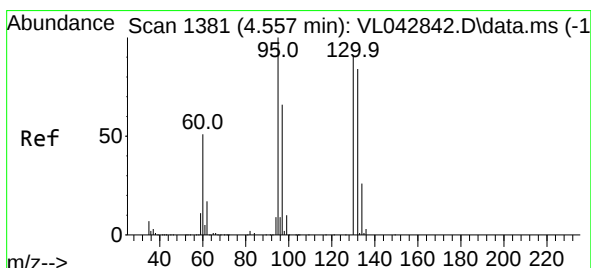
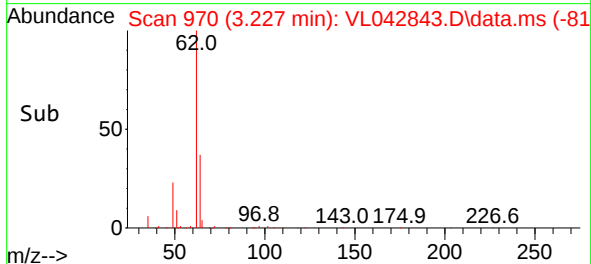
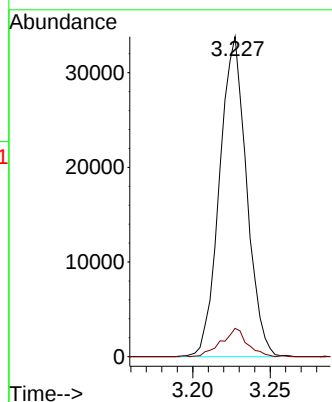
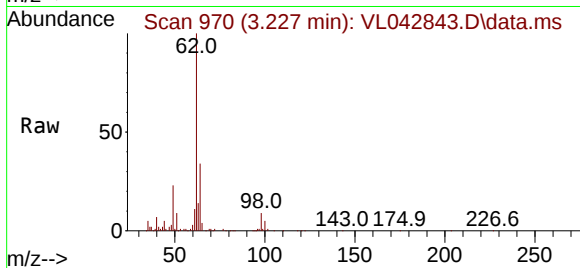
#37
1,2-Dichloroethane
Concen: 2.010 ppbv
RT: 3.227 min Scan# 91
Delta R.T. 0.003 min
Lab File: VL042843.D
Acq: 13 Aug 2025 09:06

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 62 Resp: 41034
Ion Ratio Lower Upper
62 100
98 8.6 5.9 8.9

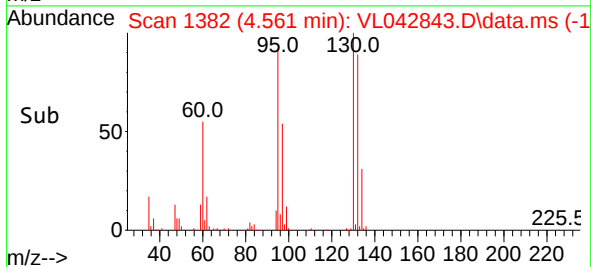
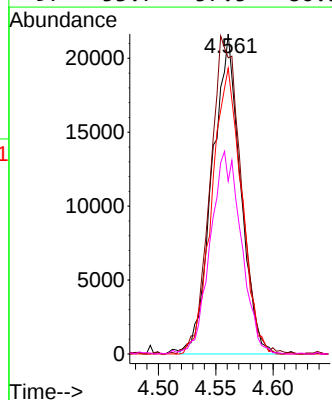
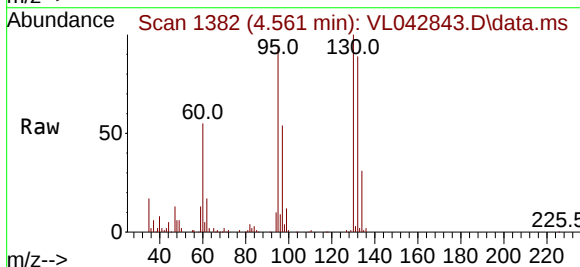
Manual Integrations
APPROVED

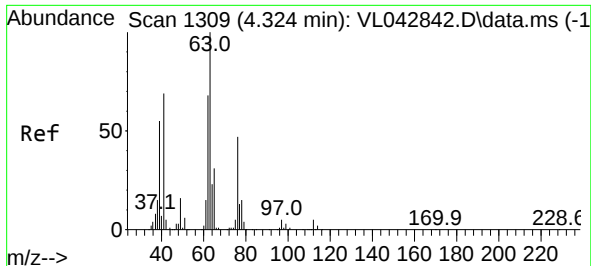
Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025



#38
Trichloroethene
Concen: 2.072 ppbv
RT: 4.561 min Scan# 1382
Delta R.T. 0.003 min
Lab File: VL042843.D
Acq: 13 Aug 2025 09:06

Tgt Ion:130 Resp: 36990
Ion Ratio Lower Upper
130 100
95 91.5 87.6 131.4
132 89.3 73.8 110.8
97 53.7 57.5 86.3#





#39

1,2-Dichloropropane

Concen: 2.036 ppbv

RT: 4.328 min Scan# 1309

Delta R.T. 0.003 min

Lab File: VL042843.D

Acq: 13 Aug 2025 09:06

Instrument :

MSVOA_L

ClientSampleId :

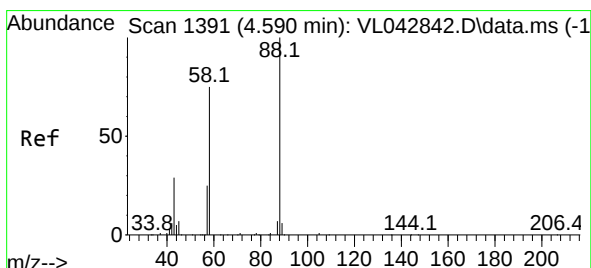
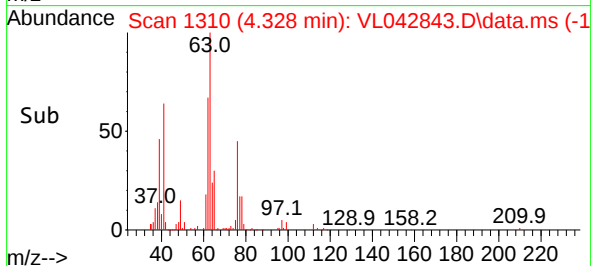
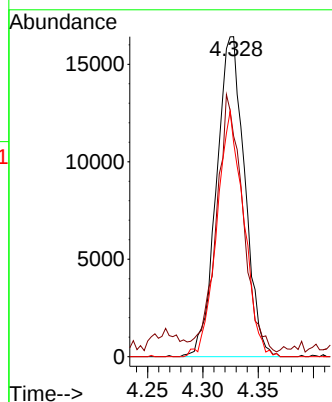
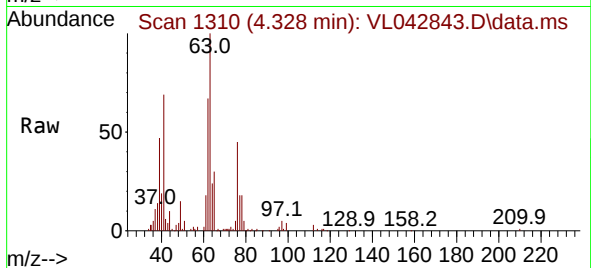
VSTDICC002

Tgt Ion: 63	Resp: 2905
Ion Ratio	Lower Upper
63 100	
41 66.8	55.0 82.4
62 66.9	54.4 81.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025



#40

1,4-Dioxane

Concen: 2.022 ppbv m

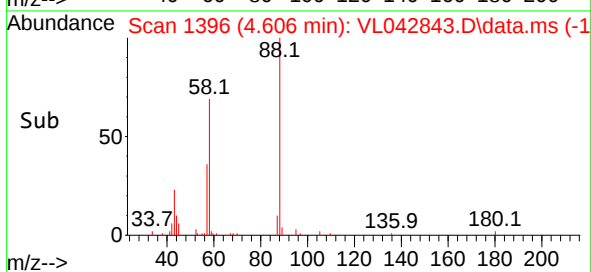
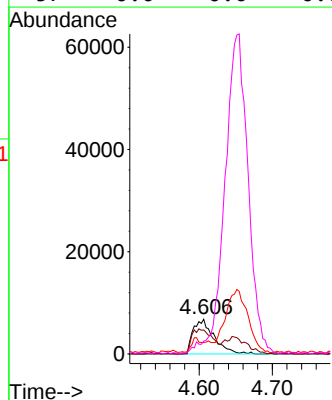
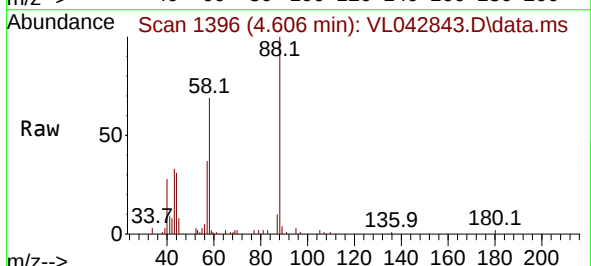
RT: 4.606 min Scan# 1396

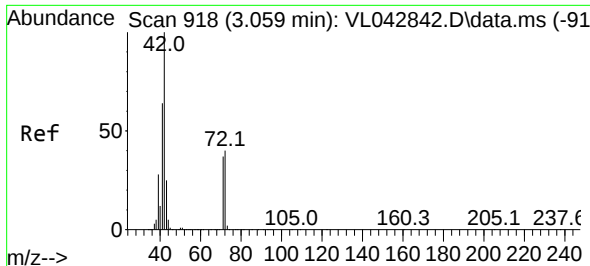
Delta R.T. 0.016 min

Lab File: VL042843.D

Acq: 13 Aug 2025 09:06

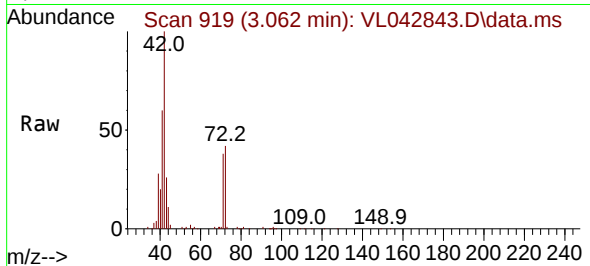
Tgt	Ion: 88	Resp:	13510
Ion	Ratio	Lower	Upper
88	100		
58	69.3	53.8	80.6
43	0.0	22.8	34.2#
57	0.0	0.0	0.0





#41
Tetrahydrofuran
Concen: 2.082 ppbv
RT: 3.062 min Scan# 918
Delta R.T. 0.003 min
Lab File: VL042843.D
Acq: 13 Aug 2025 09:06

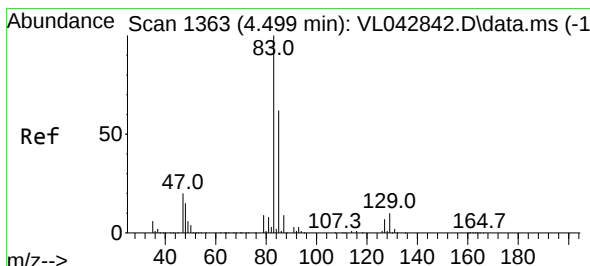
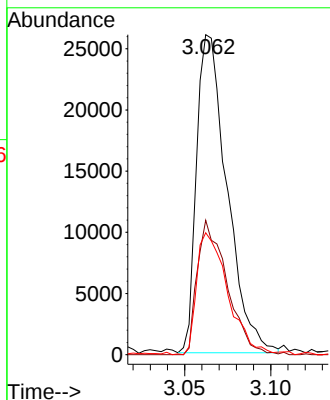
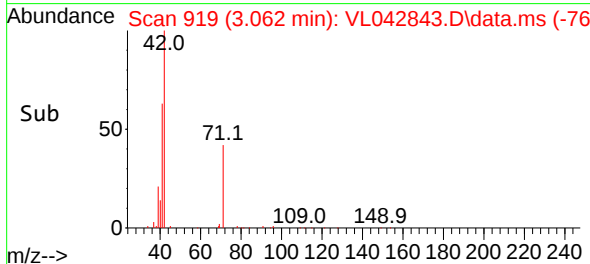
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002



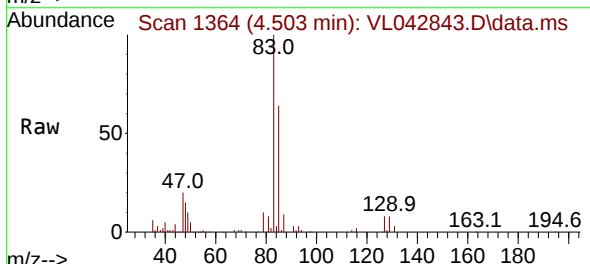
Tgt Ion: 42 Resp: 31994
Ion Ratio Lower Upper
42 100
72 41.3 32.6 48.8
71 40.1 30.0 45.0

Manual Integrations
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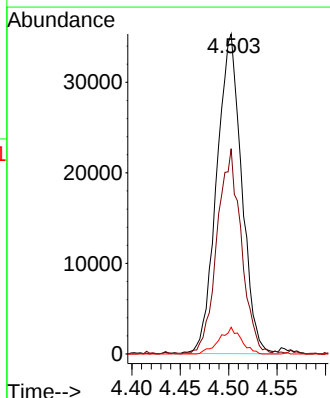
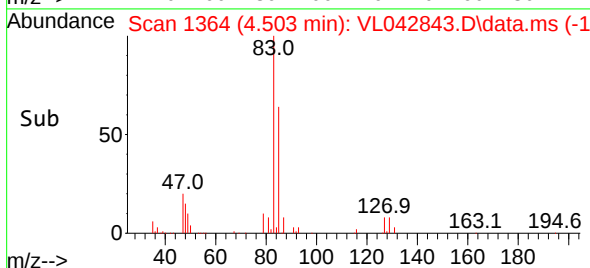
Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

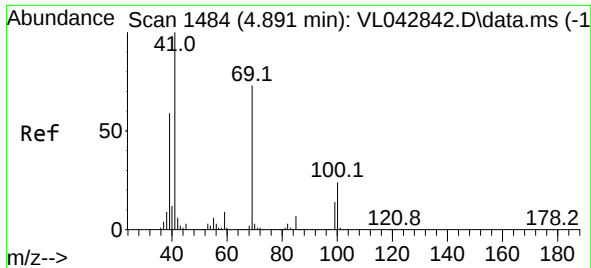


#42
Bromodichloromethane
Concen: 2.085 ppbv
RT: 4.503 min Scan# 1364
Delta R.T. 0.003 min
Lab File: VL042843.D
Acq: 13 Aug 2025 09:06



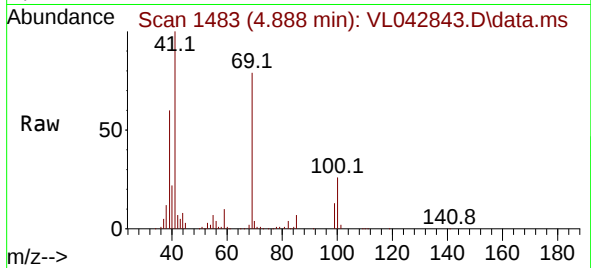
Tgt Ion: 83 Resp: 63436
Ion Ratio Lower Upper
83 100
85 64.2 49.8 74.8
127 8.4 5.8 8.6





#43
Methyl Methacrylate
Concen: 2.111 ppbv
RT: 4.888 min Scan# 1410
Delta R.T. -0.003 min
Lab File: VL042843.D
Acq: 13 Aug 2025 09:06

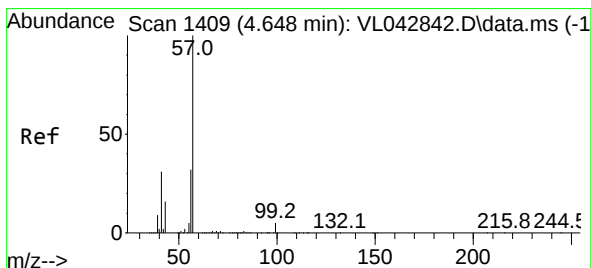
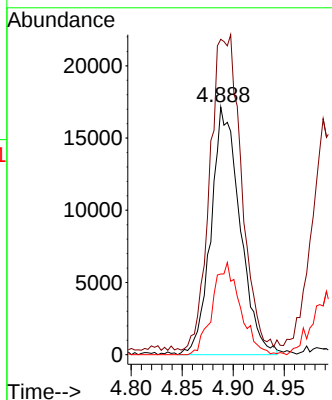
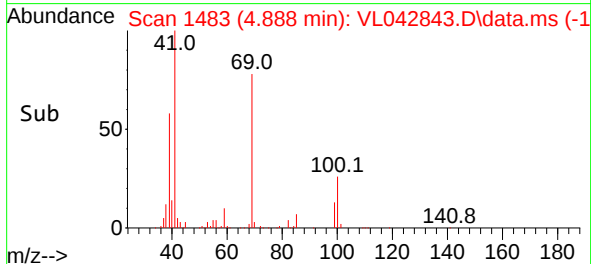
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002



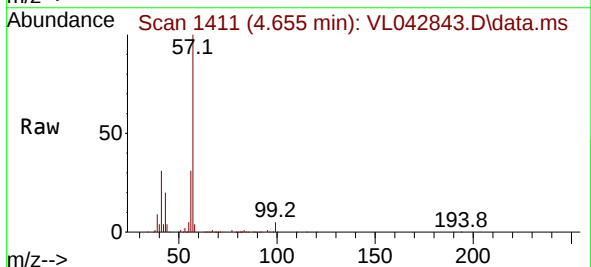
Tgt Ion: 69 Resp: 3385
Ion Ratio Lower Upper
69 100
41 0.0 114.6 172.0
100 0.0 30.2 45.4

Manual Integrations
APPROVED

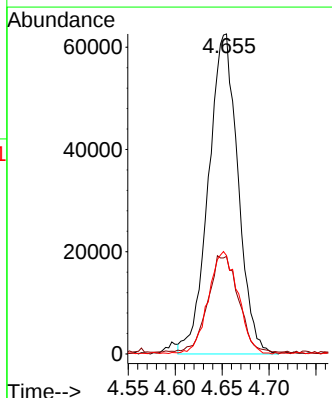
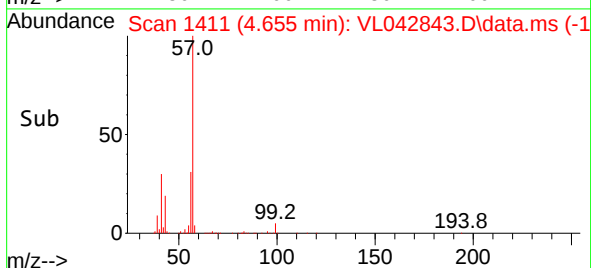
Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

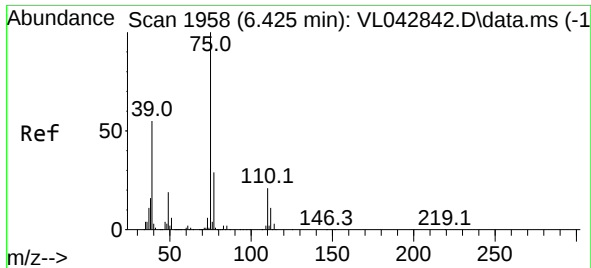


#44
2,2,4-Trimethylpentane
Concen: 2.085 ppbv
RT: 4.655 min Scan# 1411
Delta R.T. 0.007 min
Lab File: VL042843.D
Acq: 13 Aug 2025 09:06



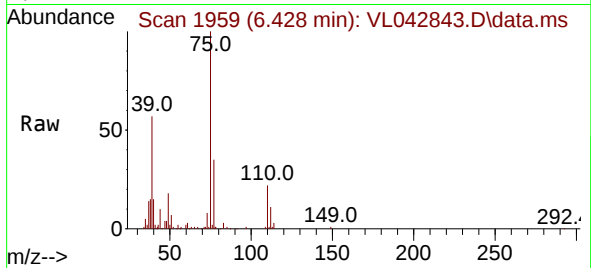
Tgt Ion: 57 Resp: 136794
Ion Ratio Lower Upper
57 100
41 32.5 24.8 37.2
56 32.6 25.5 38.3





#45
 t-1,3-Dichloropropene
 Concen: 2.048 ppbv
 RT: 6.428 min Scan# 1958
 Delta R.T. 0.003 min
 Lab File: VL042843.D
 Acq: 13 Aug 2025 09:06

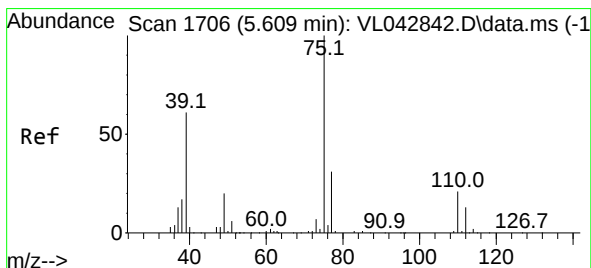
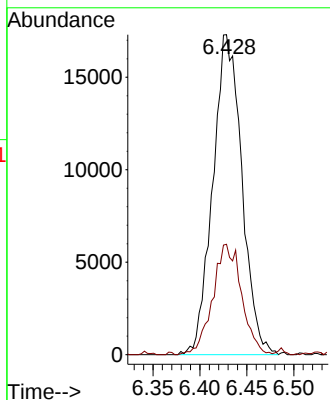
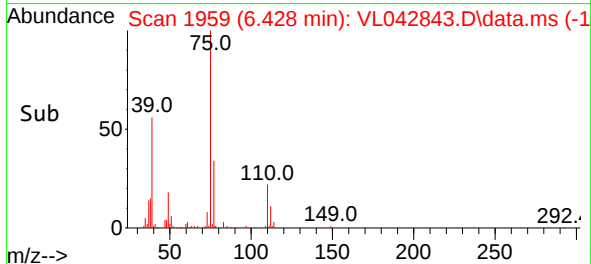
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC002



Tgt Ion: 75 Resp: 37248
 Ion Ratio Lower Upper
 75 100
 77 35.2 23.8 35.6

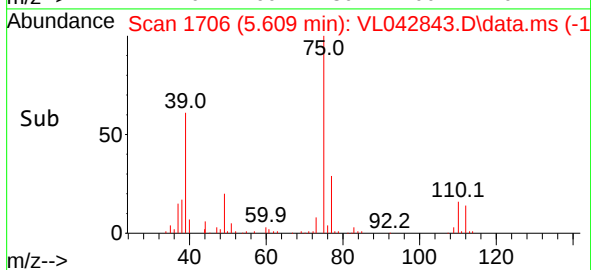
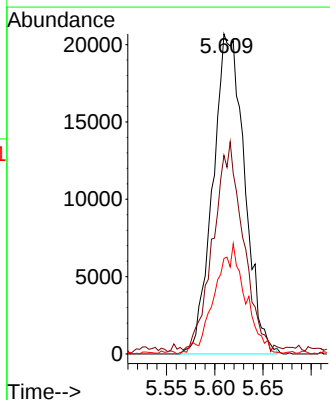
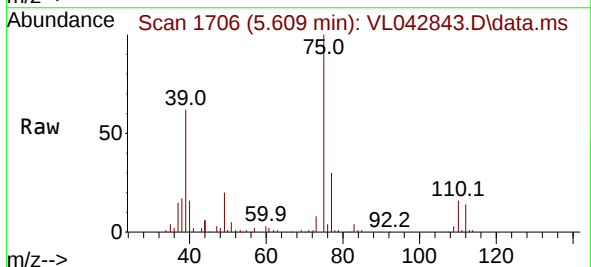
Manual Integrations
 APPROVED

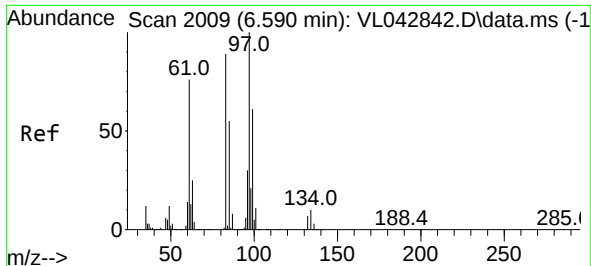
Reviewed By :Semsettin Yesilyurt 08/14/2025
 Supervised By :Mahesh Dadoda 08/18/2025



#46
 cis-1,3-Dichloropropene
 Concen: 2.067 ppbv m
 RT: 5.609 min Scan# 1706
 Delta R.T. 0.000 min
 Lab File: VL042843.D
 Acq: 13 Aug 2025 09:06

Tgt Ion: 75 Resp: 47201
 Ion Ratio Lower Upper
 75 100
 39 62.1 48.9 73.3
 77 29.8 24.9 37.3





#47

1,1,2-Trichloroethane

Concen: 2.083 ppbv

RT: 6.593 min Scan# 2009

Delta R.T. 0.003 min

Lab File: VL042843.D

Acq: 13 Aug 2025 09:06

Instrument :

MSVOA_L

ClientSampleId :

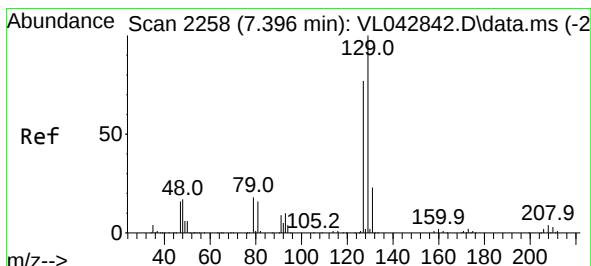
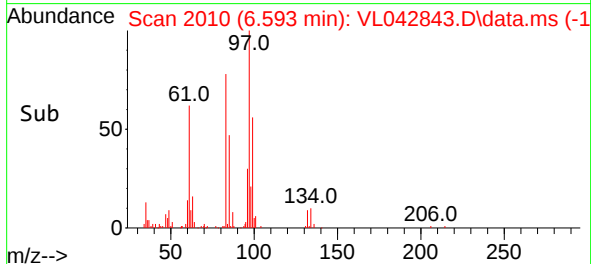
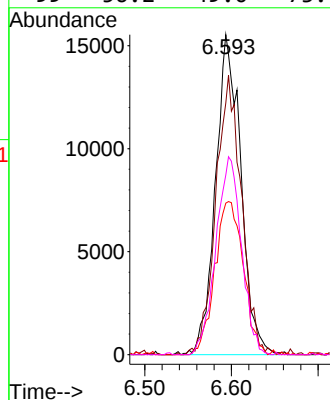
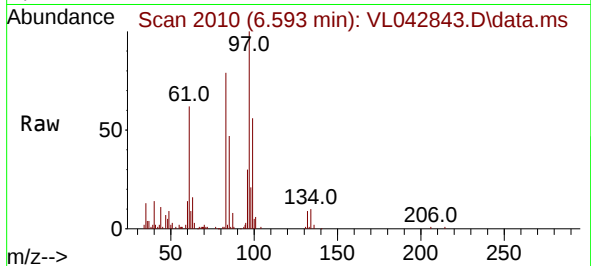
VSTDICC002

Tgt Ion: 97	Resp: 3147
Ion Ratio	Lower Upper
97 100	
83 78.7	71.0 106.4
85 47.3	43.6 65.4
99 56.2	49.0 73.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025



#48

Dibromochloromethane

Concen: 2.109 ppbv

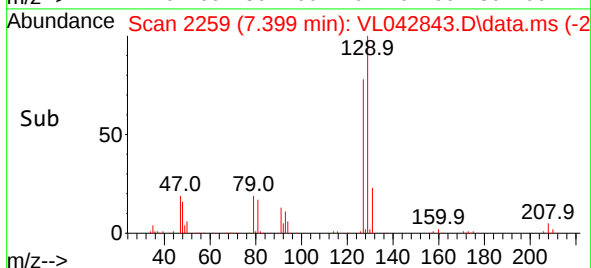
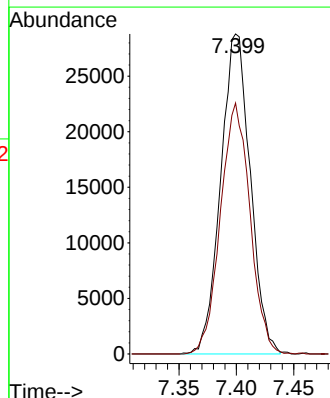
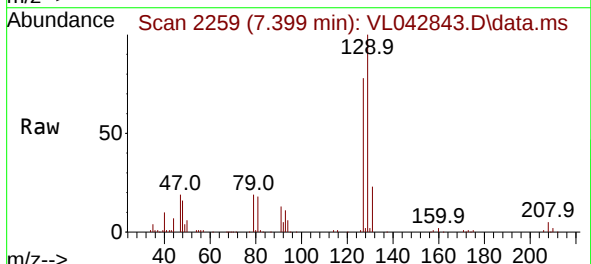
RT: 7.399 min Scan# 2259

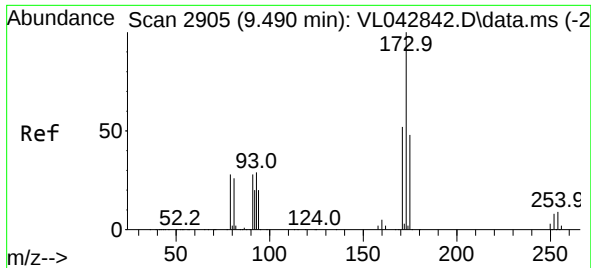
Delta R.T. 0.003 min

Lab File: VL042843.D

Acq: 13 Aug 2025 09:06

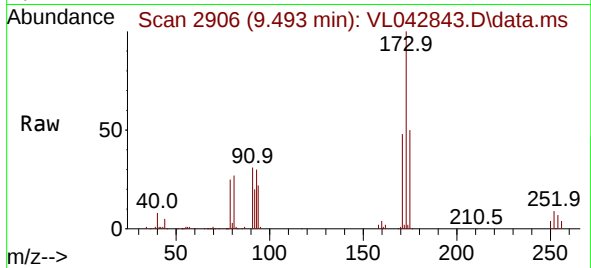
Tgt Ion:129	Resp: 51620
Ion Ratio	Lower Upper
129 100	
127 78.4	39.4 118.2





#49
Bromoform
Concen: 2.163 ppbv
RT: 9.493 min Scan# 2905
Delta R.T. 0.003 min
Lab File: VL042843.D
Acq: 13 Aug 2025 09:06

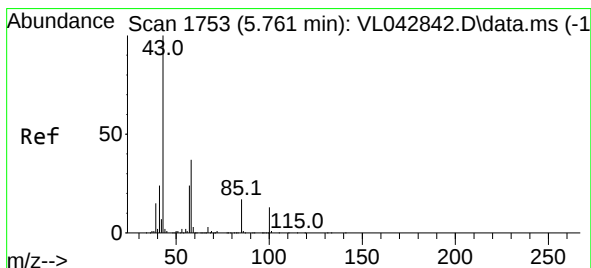
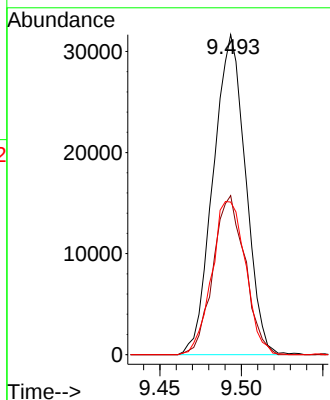
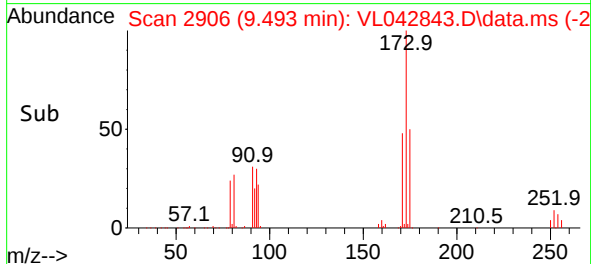
Instrument : MSVOA_L
ClientSampleId : VSTDIC002



Tgt Ion: 173 Resp: 43662
Ion Ratio Lower Upper
173 100
175 49.1 39.2 58.8
171 50.0 41.3 61.9

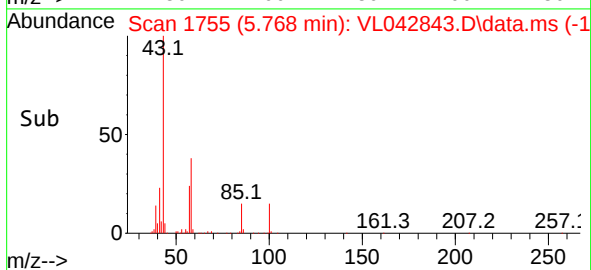
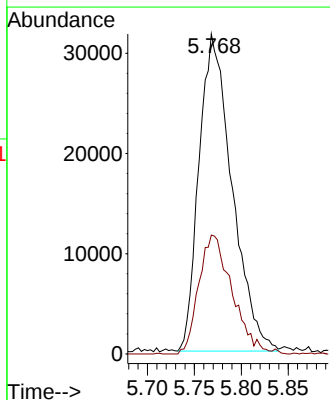
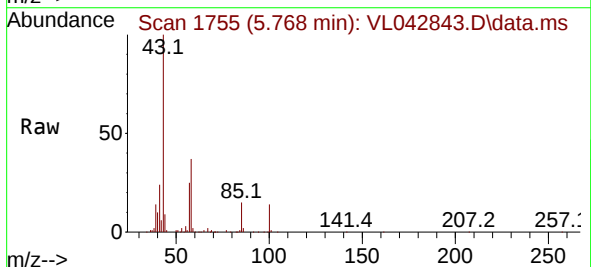
Manual Integrations
APPROVED

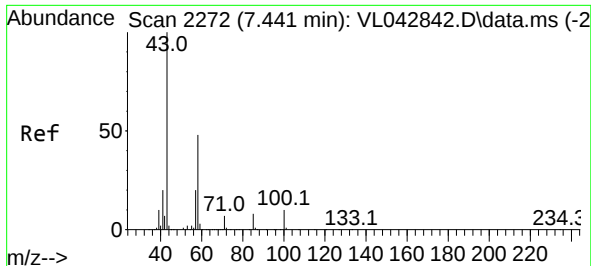
Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025



#50
4-Methyl-2-Pentanone
Concen: 2.066 ppbv
RT: 5.768 min Scan# 1755
Delta R.T. 0.007 min
Lab File: VL042843.D
Acq: 13 Aug 2025 09:06

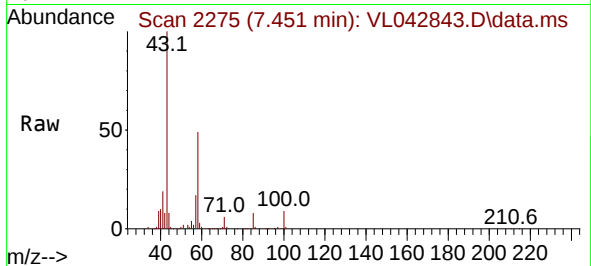
Tgt Ion: 43 Resp: 77225
Ion Ratio Lower Upper
43 100
58 38.1 29.8 44.8





#51
2-Hexanone
Concen: 2.088 ppbv
RT: 7.451 min Scan# 210
Delta R.T. 0.010 min
Lab File: VL042843.D
Acq: 13 Aug 2025 09:06

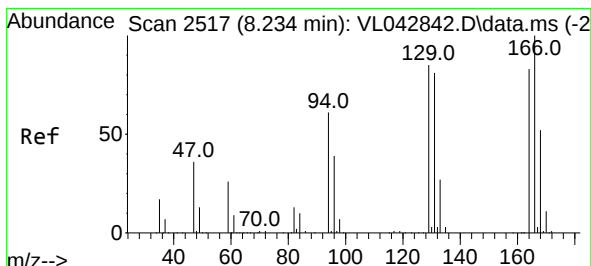
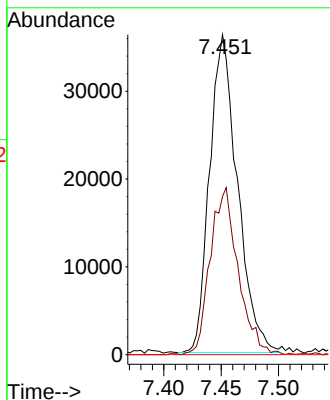
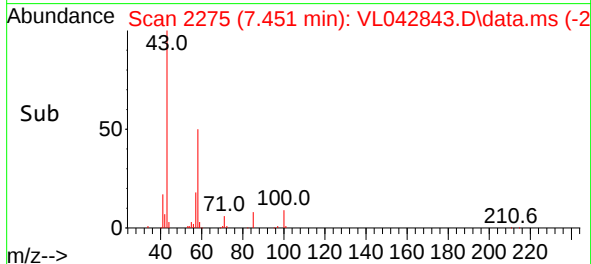
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002



Tgt Ion: 43 Resp: 61210
Ion Ratio Lower Upper
43 100
58 52.9 41.0 61.6
98 0.0 0.1 0.1

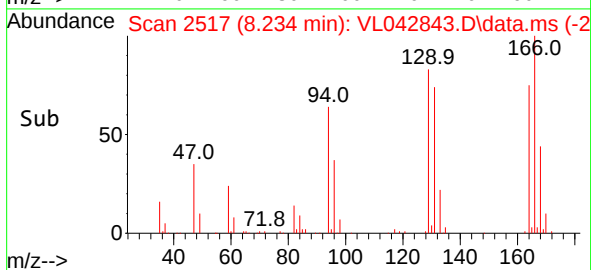
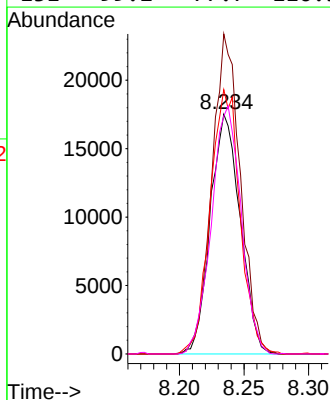
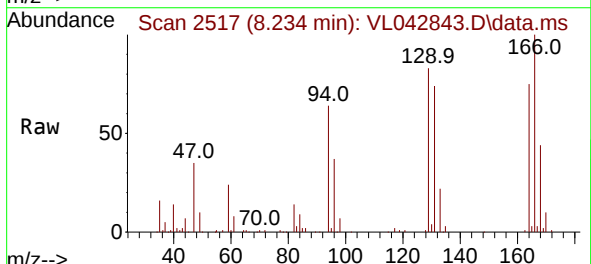
Manual Integrations
APPROVED

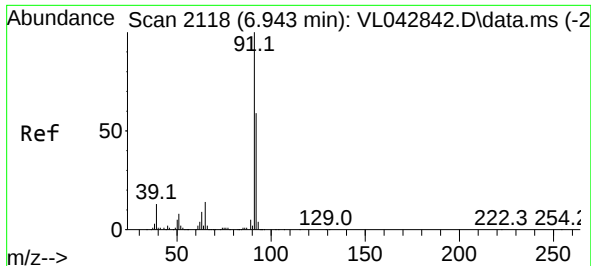
Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025



#52
Tetrachloroethene
Concen: 1.990 ppbv
RT: 8.234 min Scan# 2517
Delta R.T. 0.000 min
Lab File: VL042843.D
Acq: 13 Aug 2025 09:06

Tgt Ion:164 Resp: 28166
Ion Ratio Lower Upper
164 100
166 133.5 96.5 144.7
129 110.3 81.8 122.6
131 99.2 77.7 116.5





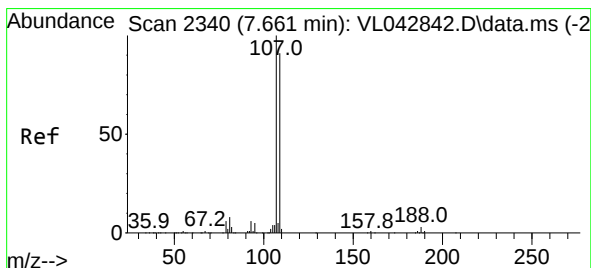
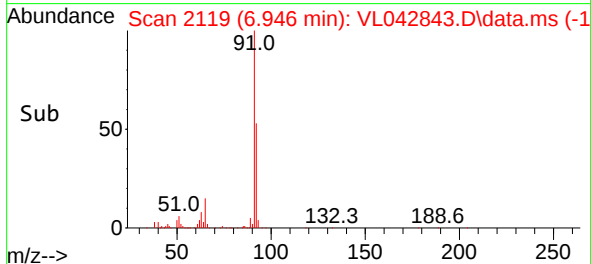
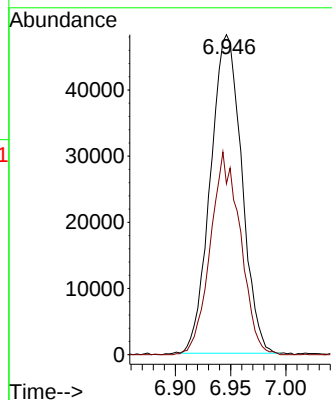
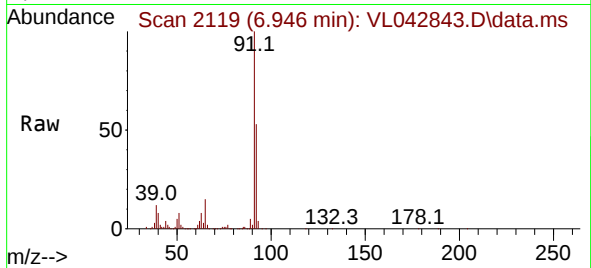
#53
Toluene
Concen: 2.036 ppbv
RT: 6.946 min Scan# 2118
Delta R.T. 0.003 min
Lab File: VL042843.D
Acq: 13 Aug 2025 09:06

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 91 Resp: 94690
Ion Ratio Lower Upper
91 100
92 61.1 47.8 71.6

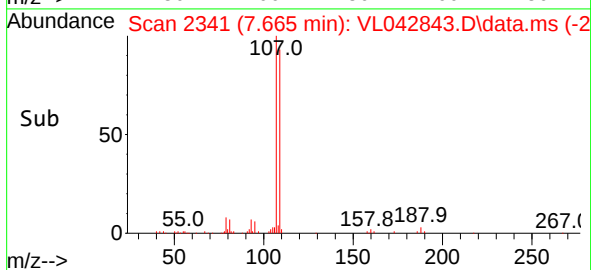
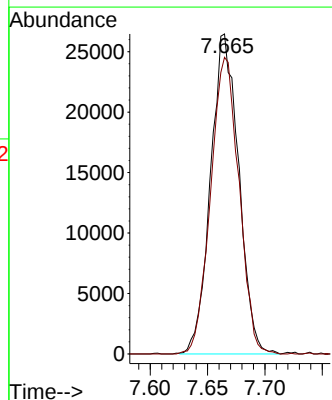
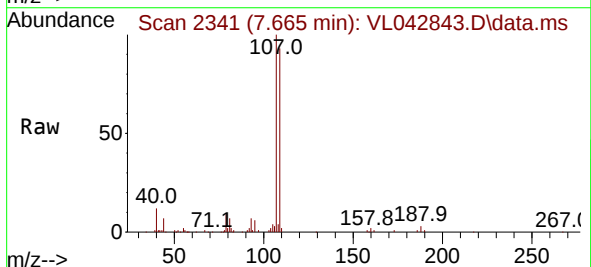
Manual Integrations
APPROVED

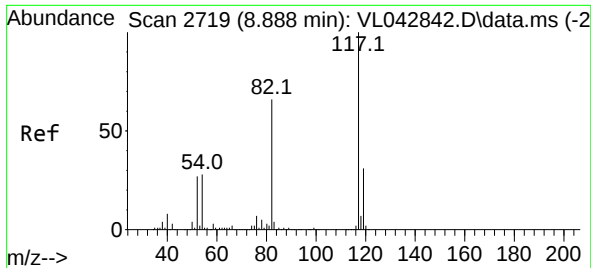
Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025



#54
1,2-Dibromoethane
Concen: 2.039 ppbv
RT: 7.665 min Scan# 2341
Delta R.T. 0.003 min
Lab File: VL042843.D
Acq: 13 Aug 2025 09:06

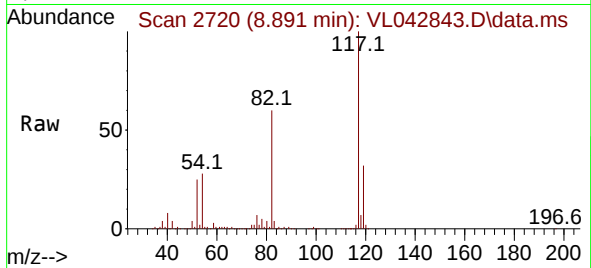
Tgt Ion:107 Resp: 45071
Ion Ratio Lower Upper
107 100
109 92.7 72.5 108.7





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.891 min Scan# 2719
Delta R.T. 0.003 min
Lab File: VL042843.D
Acq: 13 Aug 2025 09:06

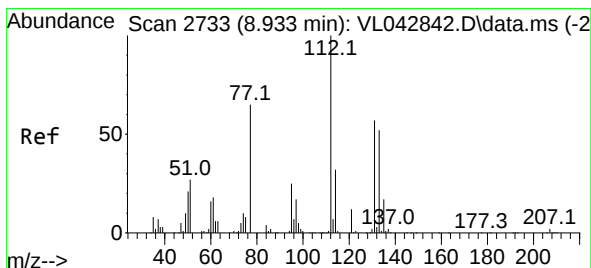
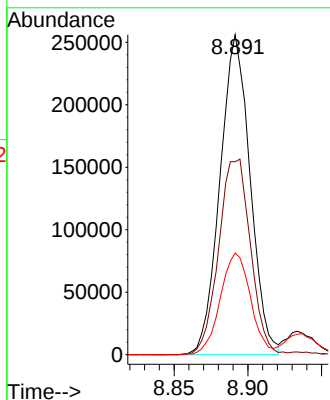
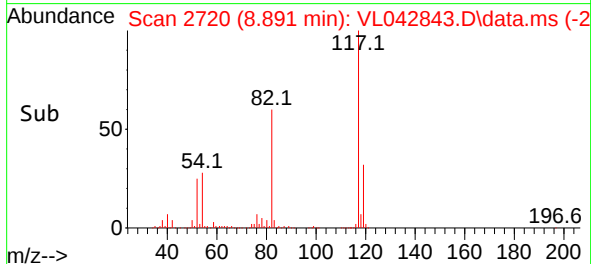
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002



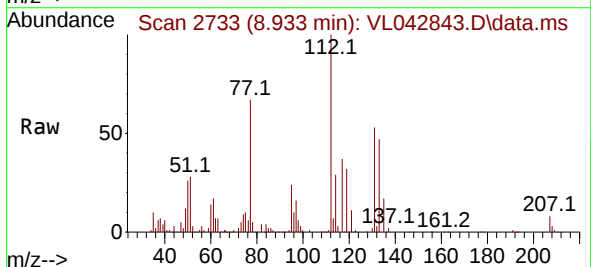
Tgt Ion:117 Resp: 363830
Ion Ratio Lower Upper
117 100
82 65.4 54.6 81.8
119 32.8 25.9 38.9

Manual Integrations
APPROVED

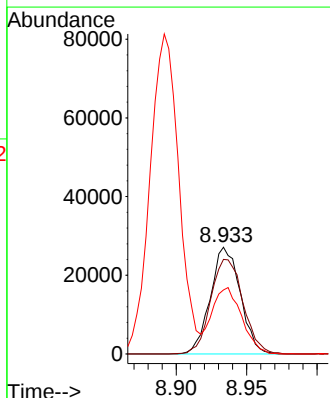
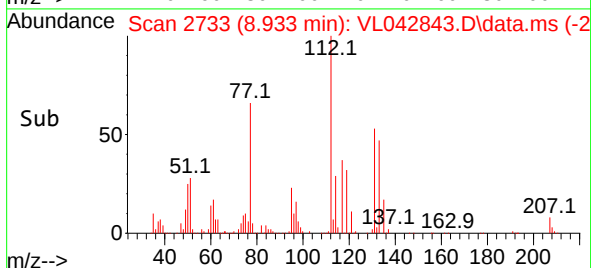
Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

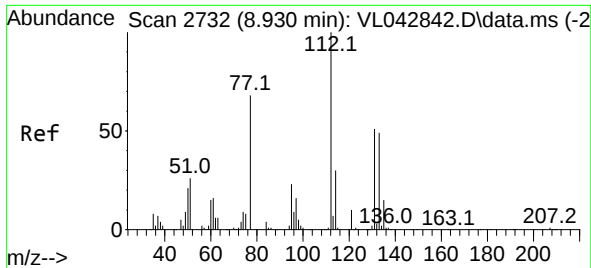


#56
1,1,1,2-Tetrachloroethane
Concen: 2.131 ppbv
RT: 8.933 min Scan# 2733
Delta R.T. 0.000 min
Lab File: VL042843.D
Acq: 13 Aug 2025 09:06



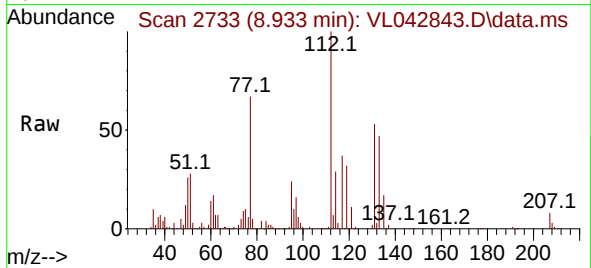
Tgt Ion:131 Resp: 40090
Ion Ratio Lower Upper
131 100
133 96.1 77.4 116.0
119 59.3 51.2 76.8





#57
Chlorobenzene
Concen: 2.090 ppbv
RT: 8.933 min Scan# 2732
Delta R.T. 0.003 min
Lab File: VL042843.D
Acq: 13 Aug 2025 09:06

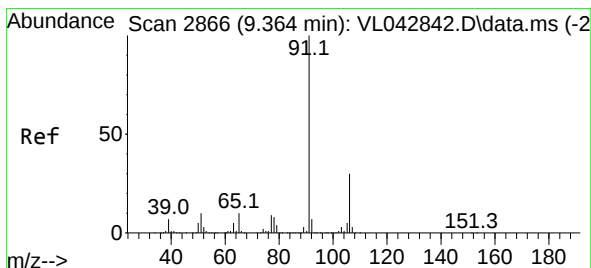
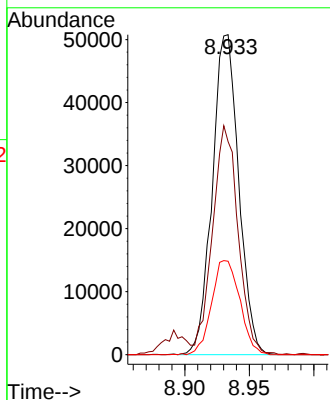
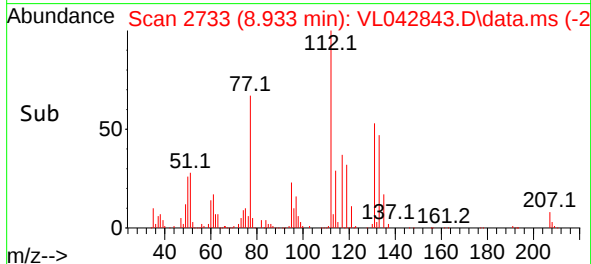
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002



Tgt Ion: 112 Resp: 72290
Ion Ratio Lower Upper
112 100
77 66.4 55.5 83.3
114 29.2 27.2 33.2

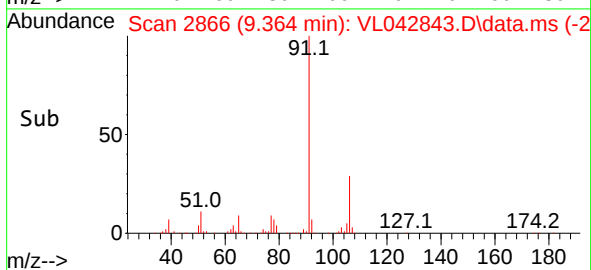
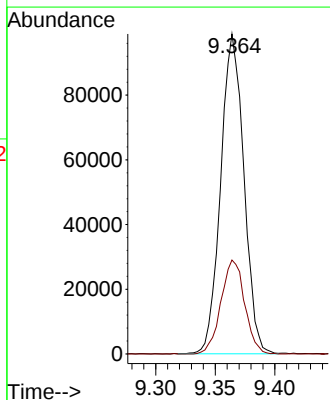
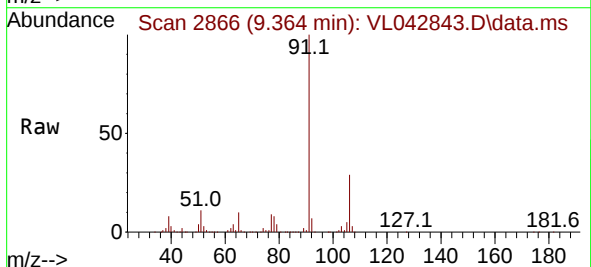
Manual Integrations
APPROVED

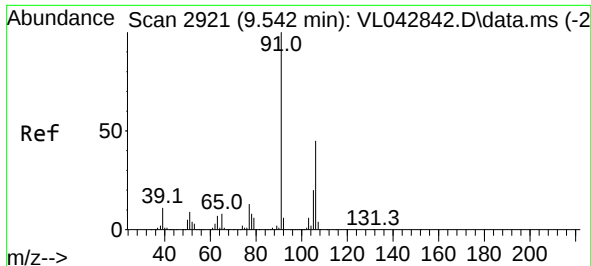
Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025



#58
Ethyl Benzene
Concen: 2.083 ppbv
RT: 9.364 min Scan# 2866
Delta R.T. 0.000 min
Lab File: VL042843.D
Acq: 13 Aug 2025 09:06

Tgt Ion: 91 Resp: 133719
Ion Ratio Lower Upper
91 100
106 29.4 23.9 35.9





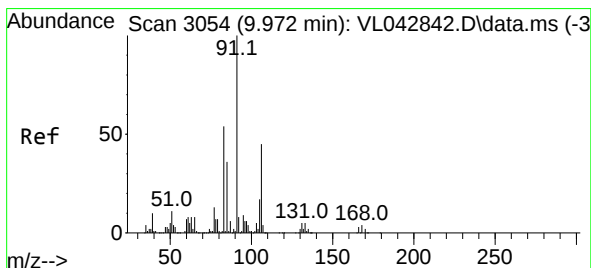
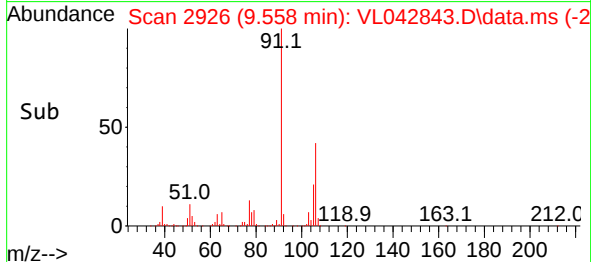
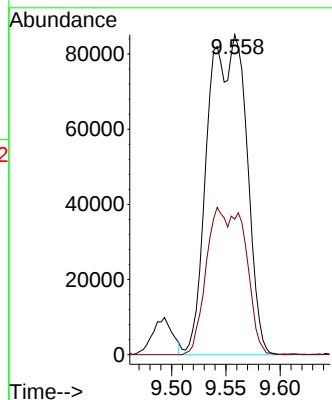
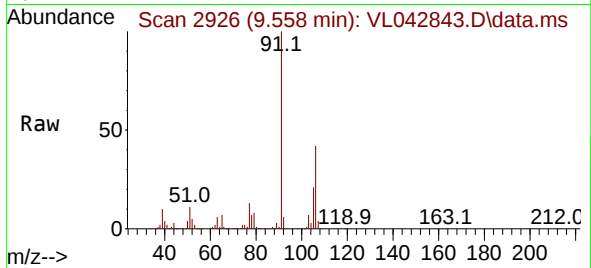
#59
m/p-Xylene
Concen: 4.200 ppbv m
RT: 9.558 min Scan# 2921
Delta R.T. 0.016 min
Lab File: VL042843.D
Acq: 13 Aug 2025 09:06

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 91 Resp: 211704
Ion Ratio Lower Upper
91 100
106 46.1 0.0 0.0

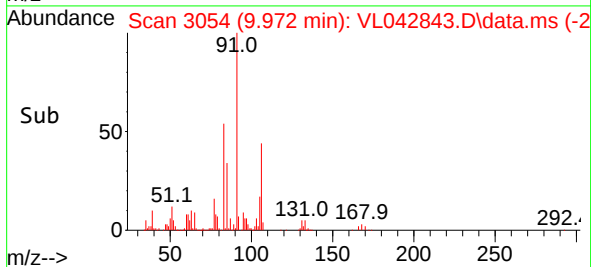
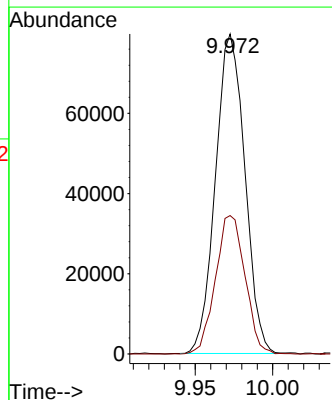
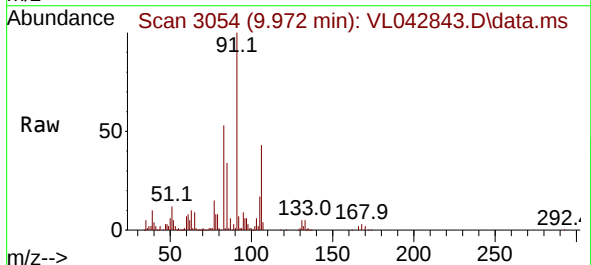
Manual Integrations
APPROVED

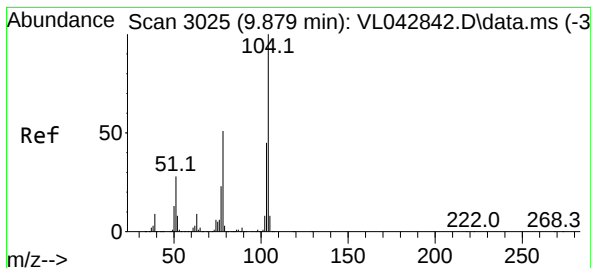
Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025



#60
o-Xylene
Concen: 2.077 ppbv
RT: 9.972 min Scan# 3054
Delta R.T. 0.000 min
Lab File: VL042843.D
Acq: 13 Aug 2025 09:06

Tgt Ion: 91 Resp: 105125
Ion Ratio Lower Upper
91 100
106 43.5 21.8 65.4





#61

Styrene

Concen: 2.025 ppbv

RT: 9.879 min Scan# 3025

Delta R.T. 0.000 min

Lab File: VL042843.D

Acq: 13 Aug 2025 09:06

Instrument :

MSVOA_L

ClientSampleId :

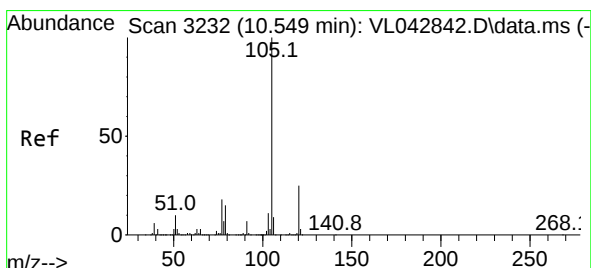
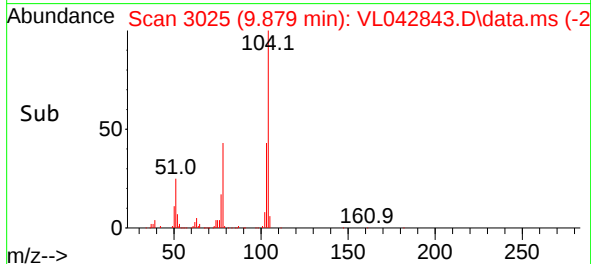
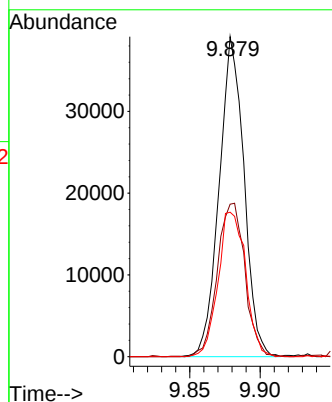
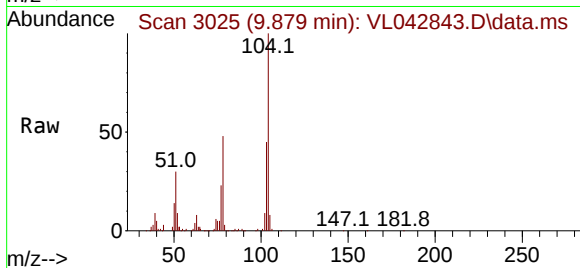
VSTDICC002

Tgt Ion:104	Resp:	4802
Ion Ratio	Lower	Upper
104	100	
78	53.4	40.6 61.0
103	50.1	37.7 56.5

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025



#62

Isopropylbenzene

Concen: 2.098 ppbv

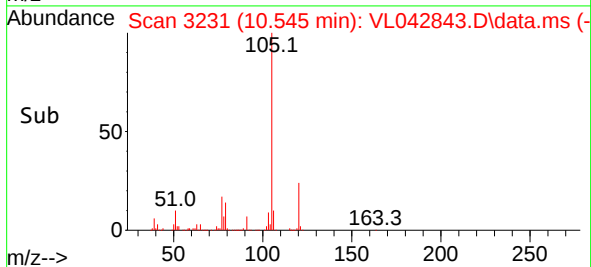
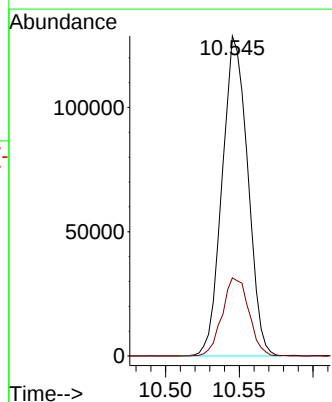
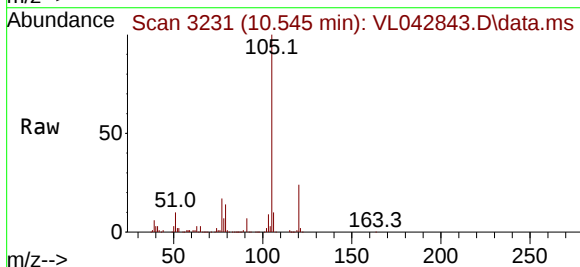
RT: 10.545 min Scan# 3231

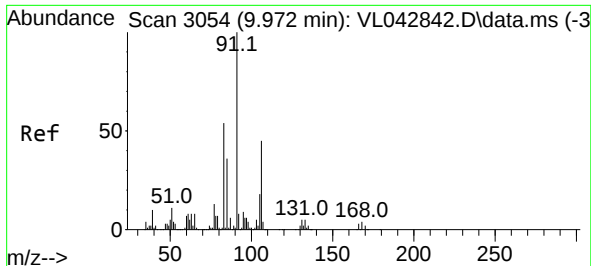
Delta R.T. -0.003 min

Lab File: VL042843.D

Acq: 13 Aug 2025 09:06

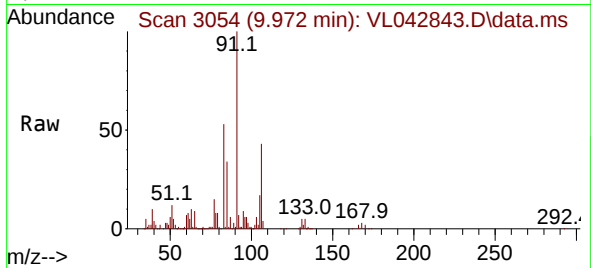
Tgt Ion:105	Resp:	155223
Ion Ratio	Lower	Upper
105	100	
120	25.5	20.6 30.8





#63
1,1,2,2-Tetrachloroethane
Concen: 2.031 ppbv
RT: 9.972 min Scan# 3054
Delta R.T. 0.000 min
Lab File: VL042843.D
Acq: 13 Aug 2025 09:06

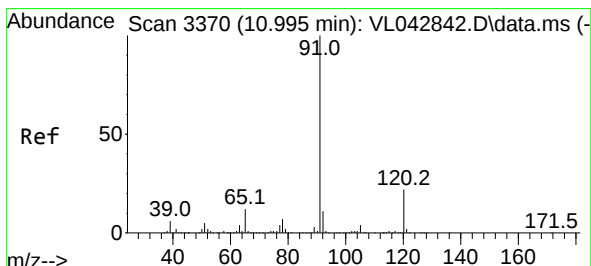
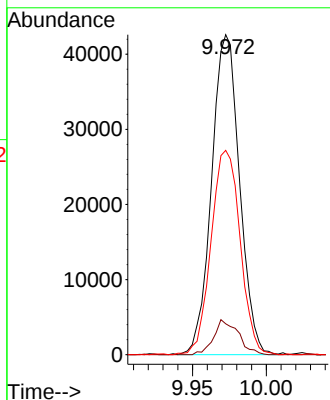
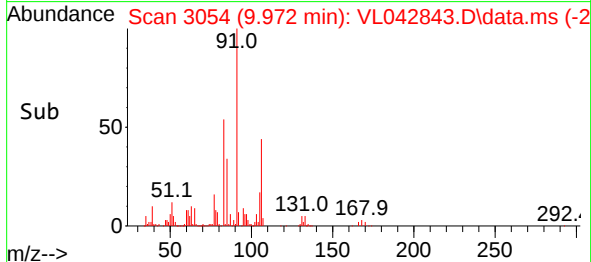
Instrument : MSVOA_L
ClientSampleId : VSTDIC002



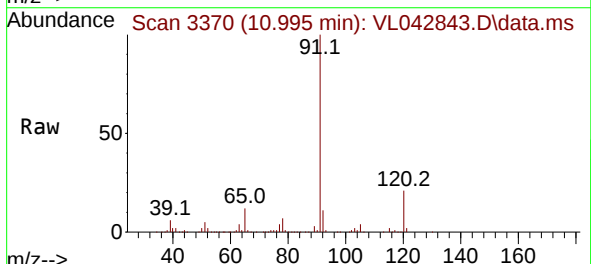
Tgt Ion: 83 Resp: 56139
Ion Ratio Lower Upper
83 100
131 9.7 4.8 14.3
85 66.5 32.3 96.8

Manual Integrations
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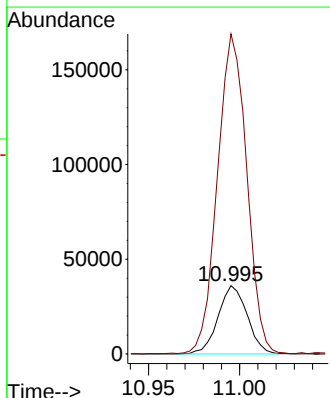
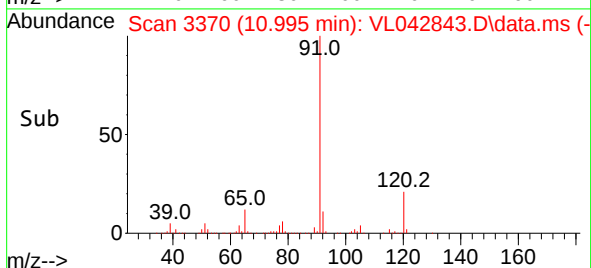
Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

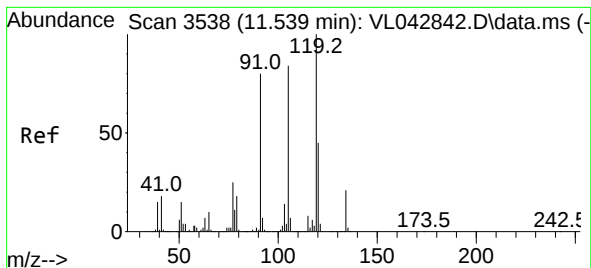


#64
n-propylbenzene
Concen: 2.115 ppbv
RT: 10.995 min Scan# 3370
Delta R.T. 0.000 min
Lab File: VL042843.D
Acq: 13 Aug 2025 09:06



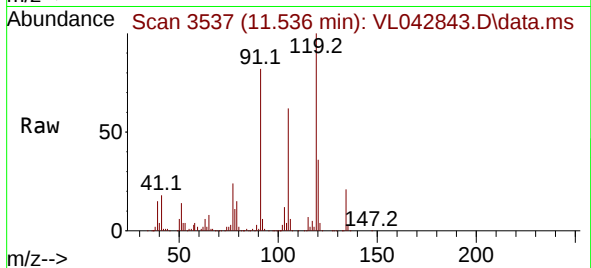
Tgt Ion:120 Resp: 39922
Ion Ratio Lower Upper
120 100
91 476.7 375.8 563.6





#65
tert-Butylbenzene
Concen: 2.132 ppbv
RT: 11.536 min Scan# 3538
Delta R.T. -0.003 min
Lab File: VL042843.D
Acq: 13 Aug 2025 09:06

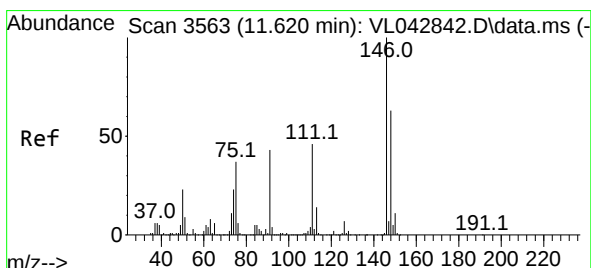
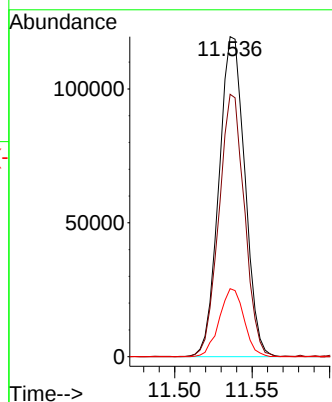
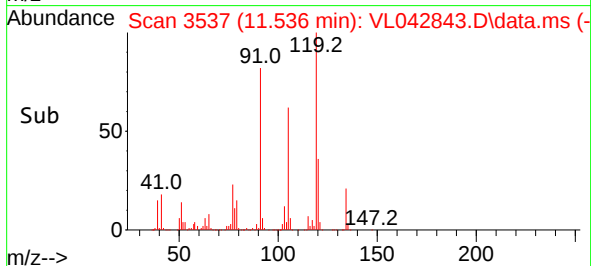
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002



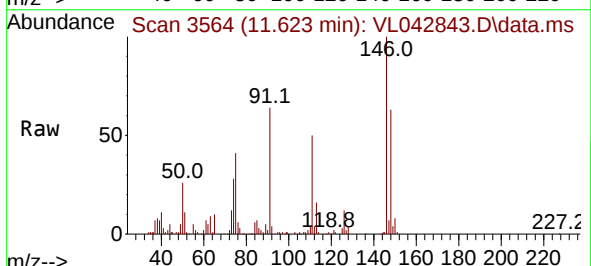
Tgt Ion: 119 Resp: 139019
Ion Ratio Lower Upper
119 100
91 80.9 63.9 95.9
134 20.3 17.0 25.4

Manual Integrations
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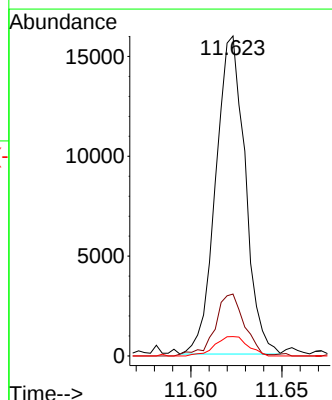
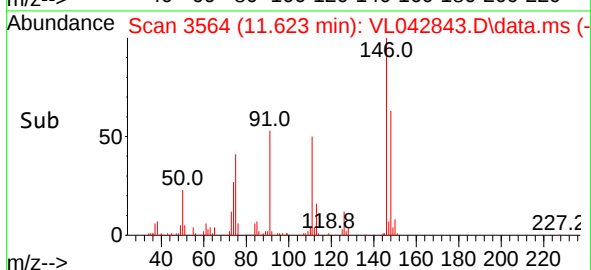
Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

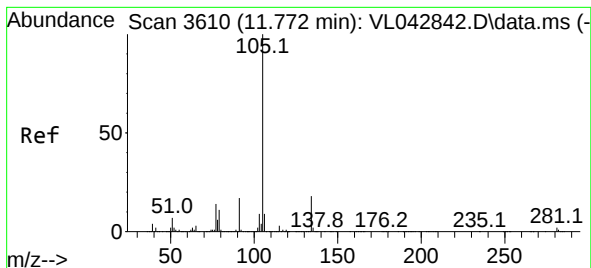


#66
Benzyl Chloride
Concen: 2.161 ppbv
RT: 11.623 min Scan# 3564
Delta R.T. 0.003 min
Lab File: VL042843.D
Acq: 13 Aug 2025 09:06



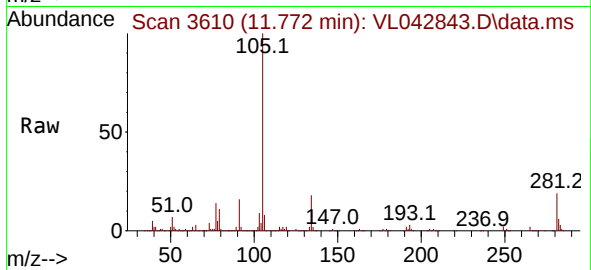
Tgt Ion: 91 Resp: 17893
Ion Ratio Lower Upper
91 100
126 19.5 14.2 21.4
128 6.9 5.0 7.6





#67
 sec-Butylbenzene
 Concen: 2.151 ppbv
 RT: 11.772 min Scan# 3610
 Delta R.T. 0.000 min
 Lab File: VL042843.D
 Acq: 13 Aug 2025 09:06

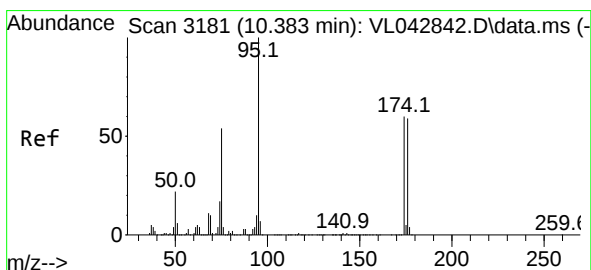
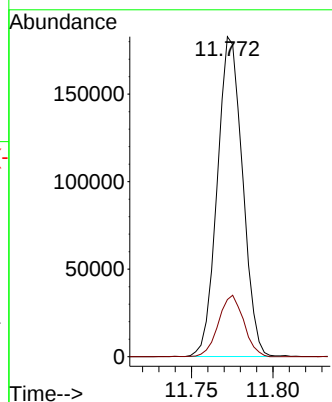
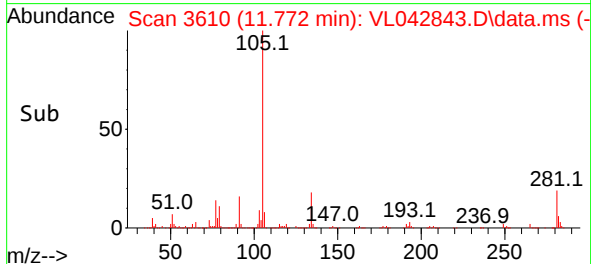
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002



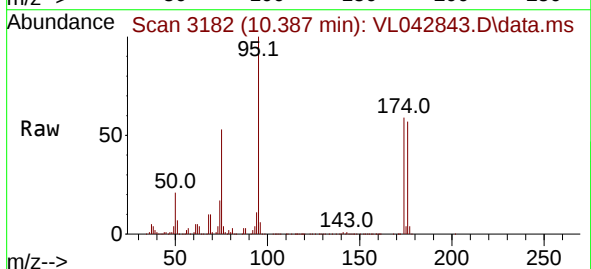
Tgt Ion:105 Resp: 196895
 Ion Ratio Lower Upper
 105 100
 134 19.3 14.9 22.3

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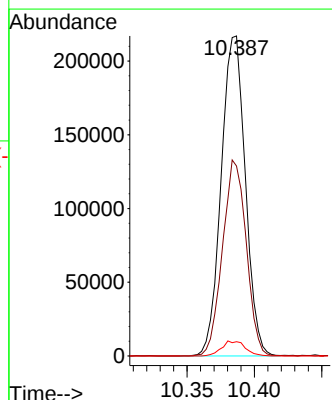
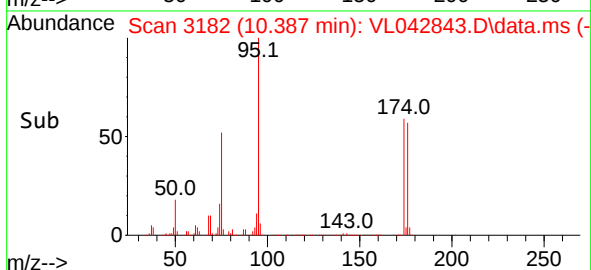
Reviewed By :Semsettin Yesilyurt 08/14/2025
 Supervised By :Mahesh Dadoda 08/18/2025

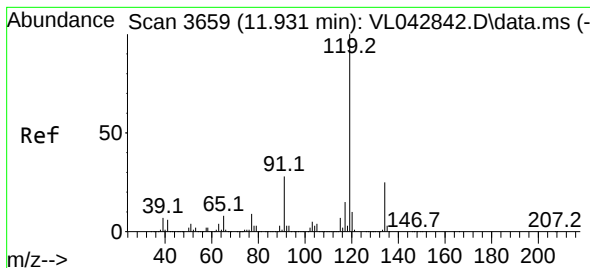


#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.923 ppbv
 RT: 10.387 min Scan# 3182
 Delta R.T. 0.003 min
 Lab File: VL042843.D
 Acq: 13 Aug 2025 09:06



Tgt Ion: 95 Resp: 270774
 Ion Ratio Lower Upper
 95 100
 174 60.2 48.4 72.6
 175 4.6 3.8 5.8





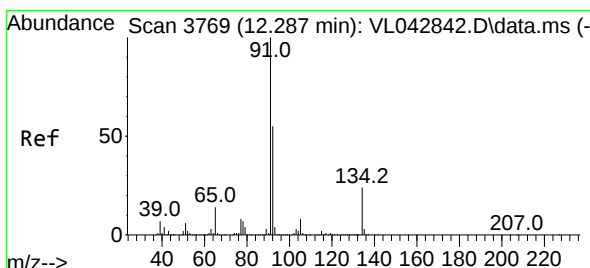
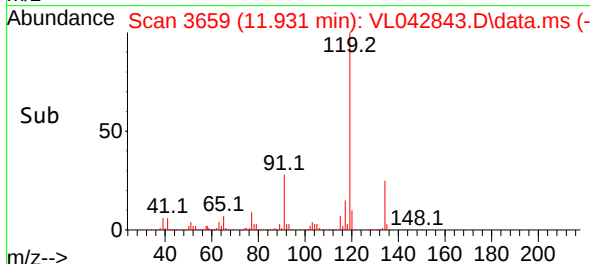
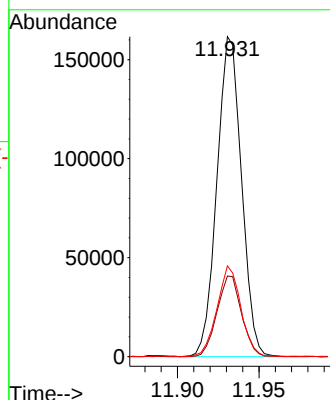
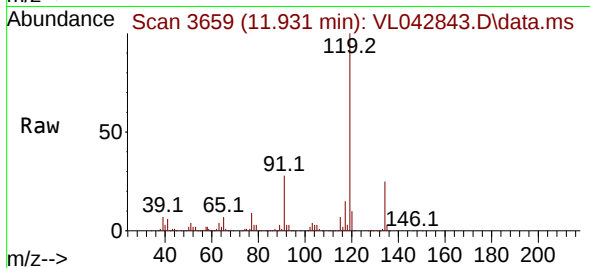
#69
 p-Isopropyltoluene
 Concen: 2.156 ppbv
 RT: 11.931 min Scan# 3659
 Delta R.T. 0.000 min
 Lab File: VL042843.D
 Acq: 13 Aug 2025 09:06

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tgt Ion: 119 Resp: 169429
 Ion Ratio Lower Upper
 119 100
 134 25.3 20.6 30.8
 91 27.4 22.6 34.0

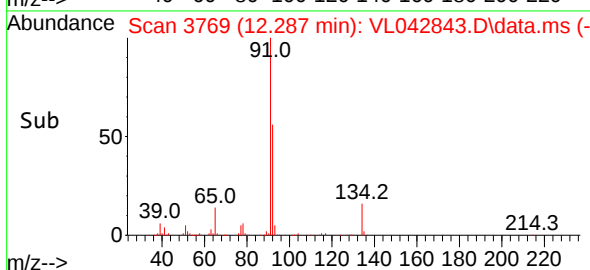
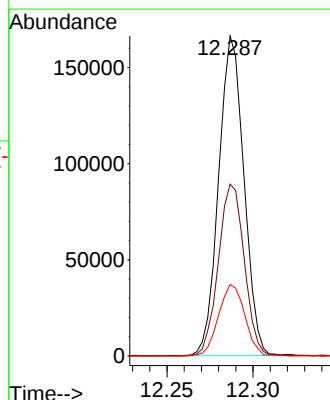
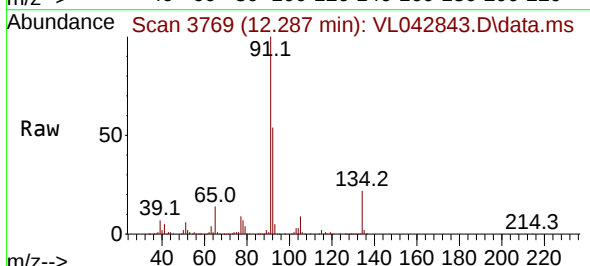
Manual Integrations
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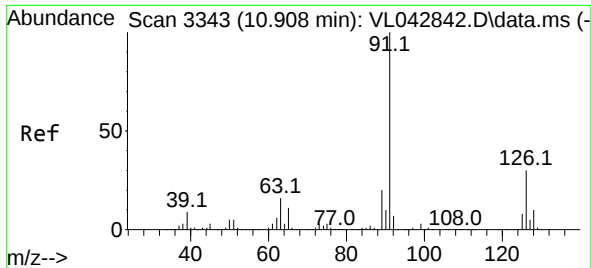
Reviewed By :Semsettin Yesilyurt 08/14/2025
 Supervised By :Mahesh Dadoda 08/18/2025



#70
 n-Butylbenzene
 Concen: 2.178 ppbv
 RT: 12.287 min Scan# 3769
 Delta R.T. 0.000 min
 Lab File: VL042843.D
 Acq: 13 Aug 2025 09:06

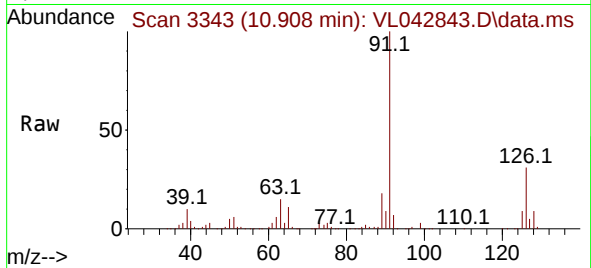
Tgt Ion: 91 Resp: 169768
 Ion Ratio Lower Upper
 91 100
 92 55.4 44.6 66.8
 134 23.3 19.0 28.4





#71
2-Chlorotoluene
Concen: 2.078 ppbv
RT: 10.908 min Scan# 311
Delta R.T. 0.000 min
Lab File: VL042843.D
Acq: 13 Aug 2025 09:06

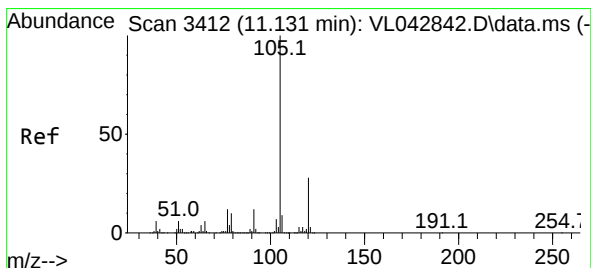
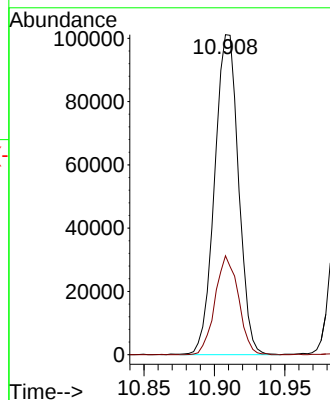
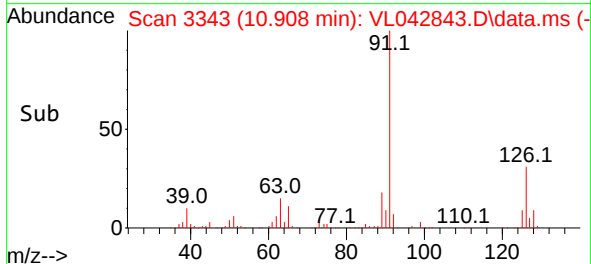
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002



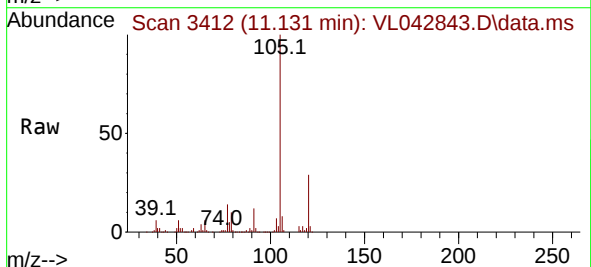
Tgt Ion: 91 Resp: 11938
Ion Ratio Lower Upper
91 100
126 30.2 12.0 47.8

Manual Integrations
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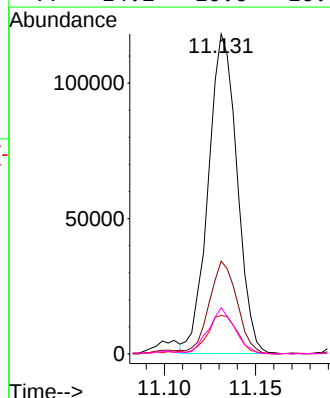
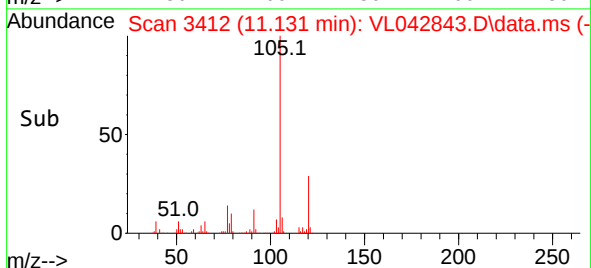
Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

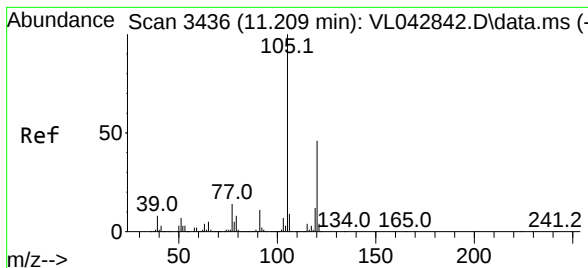


#72
4-Ethyltoluene
Concen: 2.115 ppbv
RT: 11.131 min Scan# 3412
Delta R.T. 0.000 min
Lab File: VL042843.D
Acq: 13 Aug 2025 09:06



Tgt Ion:105 Resp: 129786
Ion Ratio Lower Upper
105 100
120 29.4 23.4 35.2
91 13.3 9.8 14.6
77 14.2 10.6 16.0





#73

1,3,5-Trimethylbenzene

Concen: 2.109 ppbv

RT: 11.212 min Scan# 3437

Delta R.T. 0.003 min

Lab File: VL042843.D

Acq: 13 Aug 2025 09:06

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC002

Tgt Ion:105 Resp: 11004

Ion Ratio Lower Upper

105 100

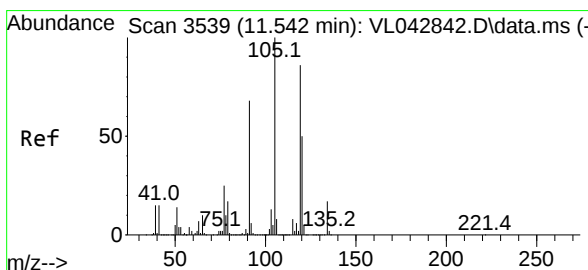
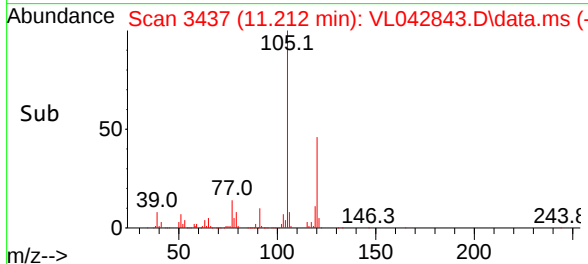
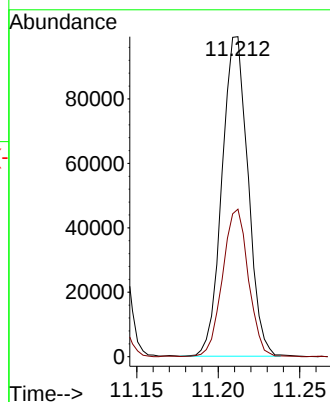
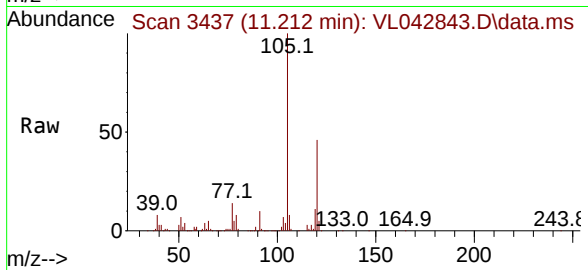
120 46.1 36.6 54.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/14/2025

Supervised By :Mahesh Dadoda 08/18/2025



#74

1,2,4-Trimethylbenzene

Concen: 2.157 ppbv

RT: 11.542 min Scan# 3539

Delta R.T. 0.000 min

Lab File: VL042843.D

Acq: 13 Aug 2025 09:06

Tgt Ion:105 Resp: 123554

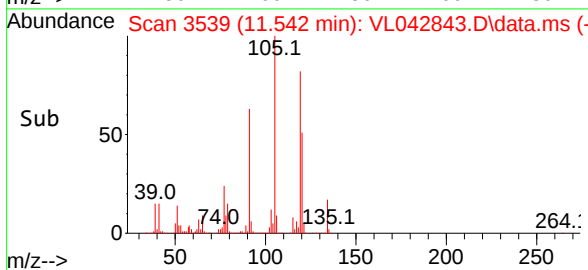
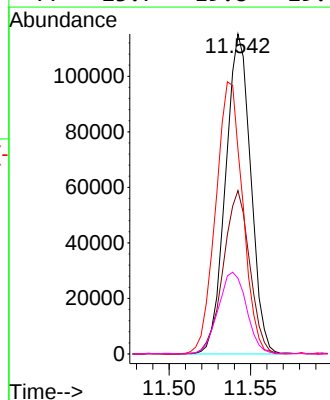
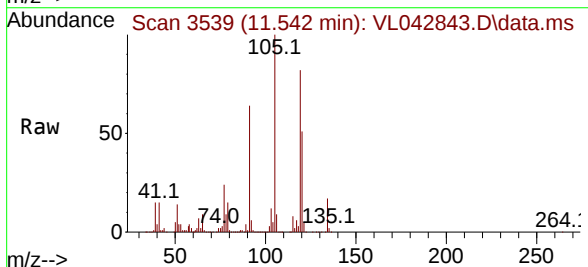
Ion Ratio Lower Upper

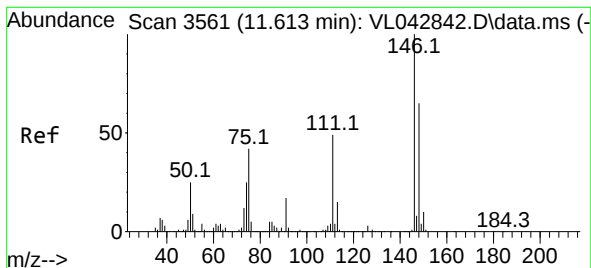
105 100

120 51.0 39.8 59.6

91 63.9 54.2 81.4

77 23.7 19.8 29.6





#75

1,3-Dichlorobenzene

Concen: 2.160 ppbv

RT: 11.613 min Scan# 3561

Delta R.T. 0.000 min

Lab File: VL042843.D

Acq: 13 Aug 2025 09:06

Instrument :

MSVOA_L

ClientSampleId :

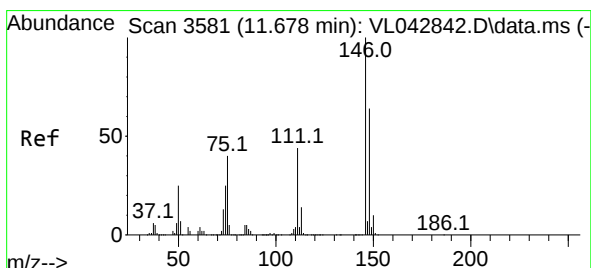
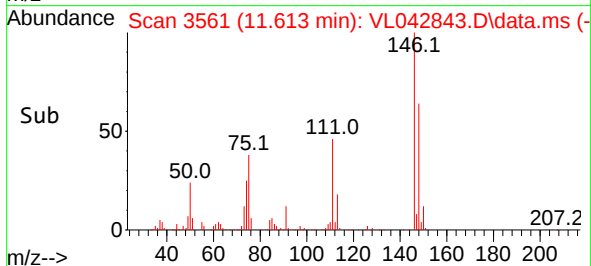
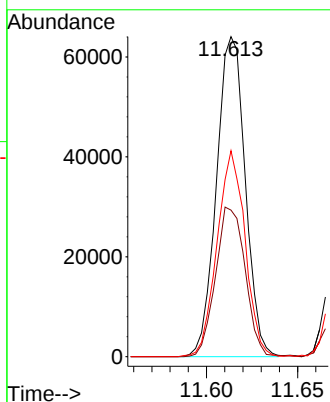
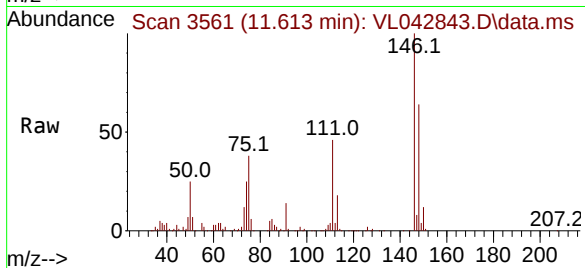
VSTDIC002

Tgt Ion:146 Resp: 70330
 Ion Ratio Lower Upper
 146 100
 111 48.0 23.9 71.7
 148 62.5 31.4 94.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/14/2025
 Supervised By :Mahesh Dadoda 08/18/2025



#76

1,4-Dichlorobenzene

Concen: 2.161 ppbv

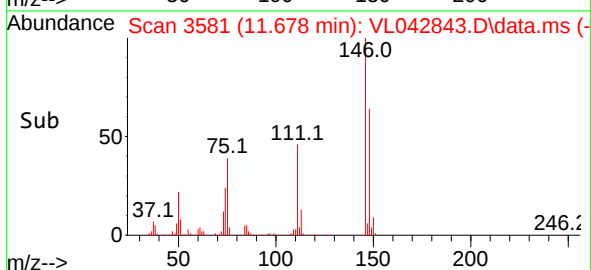
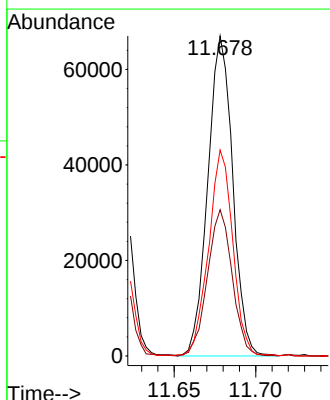
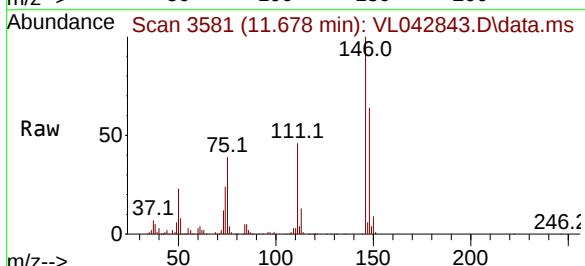
RT: 11.678 min Scan# 3581

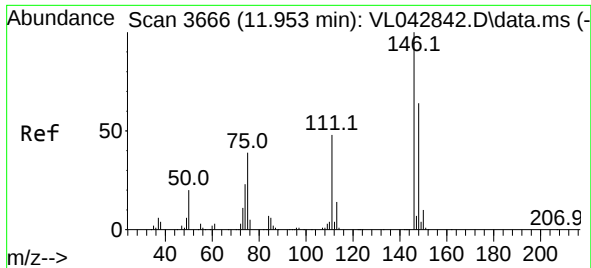
Delta R.T. 0.000 min

Lab File: VL042843.D

Acq: 13 Aug 2025 09:06

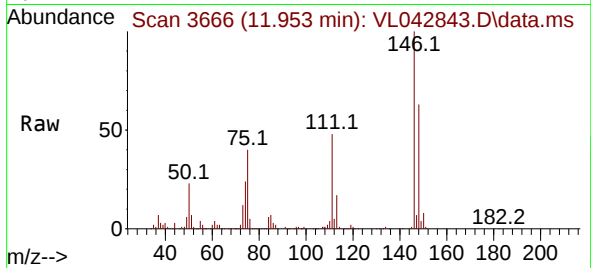
Tgt Ion:146 Resp: 71160
 Ion Ratio Lower Upper
 146 100
 111 45.7 22.7 68.1
 148 62.9 31.8 95.3





#77
1,2-Dichlorobenzene
Concen: 2.162 ppbv
RT: 11.953 min Scan# 3666
Delta R.T. 0.000 min
Lab File: VL042843.D
Acq: 13 Aug 2025 09:06

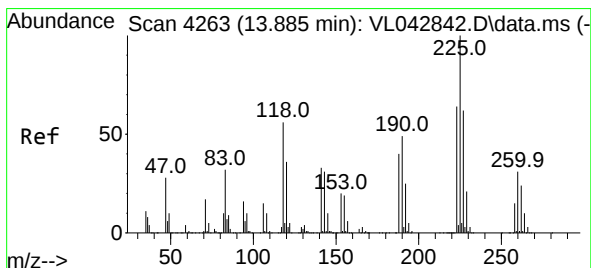
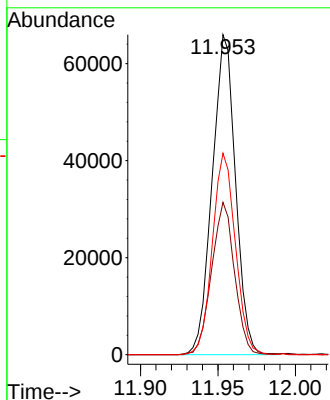
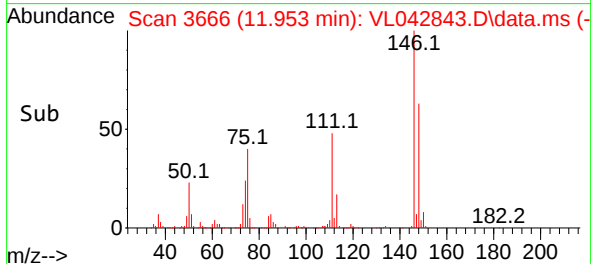
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002



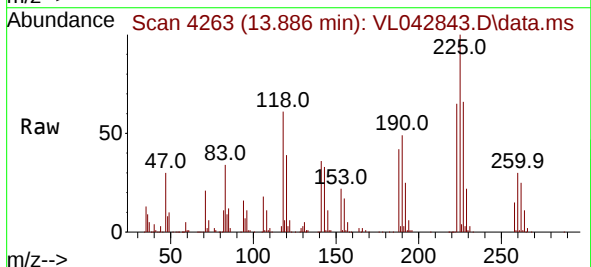
Tgt Ion:146 Resp: 6894
Ion Ratio Lower Upper
146 100
111 47.1 24.6 74.0
148 62.5 32.0 96.0

Manual Integrations
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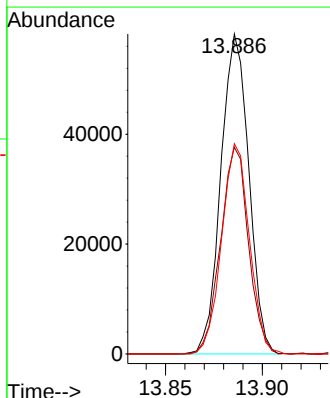
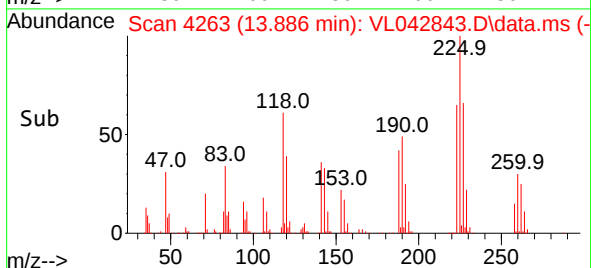
Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

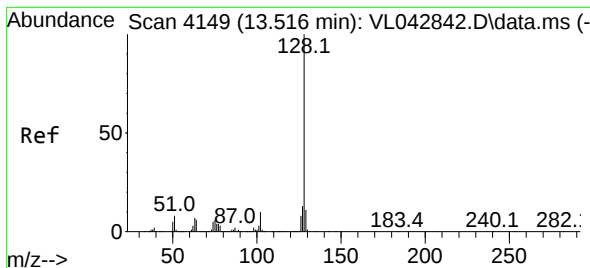


#78
Hexachloro-1,3-Butadiene
Concen: 2.239 ppbv
RT: 13.886 min Scan# 4263
Delta R.T. 0.000 min
Lab File: VL042843.D
Acq: 13 Aug 2025 09:06



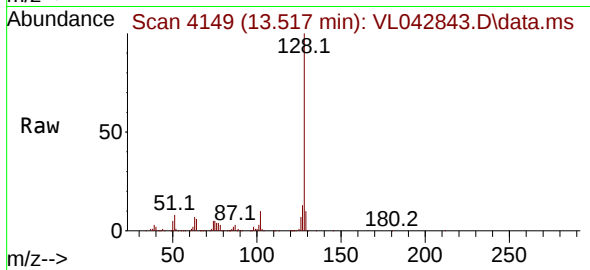
Tgt Ion:225 Resp: 58509
Ion Ratio Lower Upper
225 100
223 64.5 51.4 77.2
227 65.2 51.9 77.9





#79
Naphthalene
Concen: 2.478 ppbv
RT: 13.517 min Scan# 4149
Delta R.T. 0.000 min
Lab File: VL042843.D
Acq: 13 Aug 2025 09:06

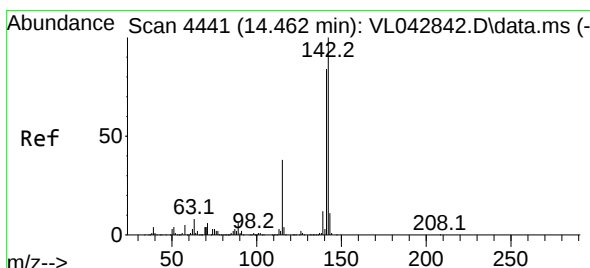
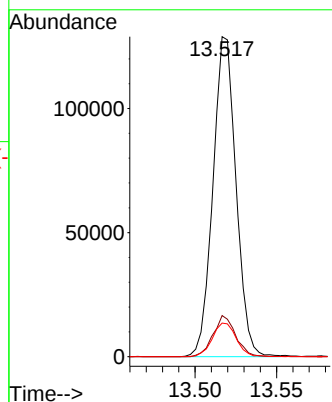
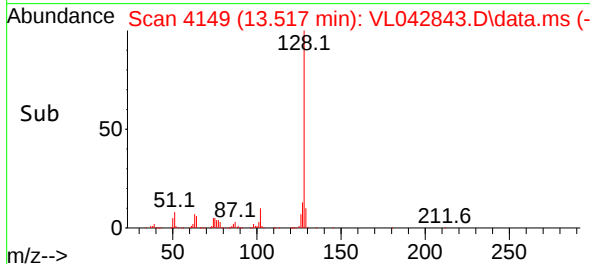
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002



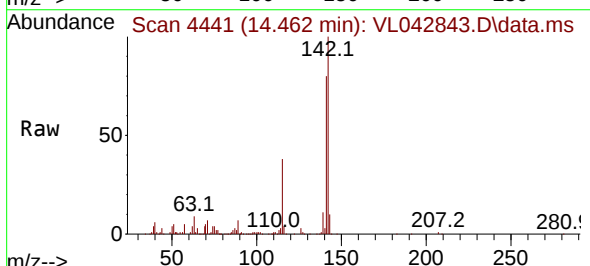
Tgt Ion:128 Resp: 127025
Ion Ratio Lower Upper
128 100
127 12.9 10.6 16.0
129 10.5 8.9 13.3

Manual Integrations
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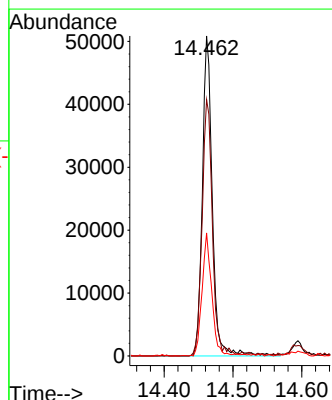
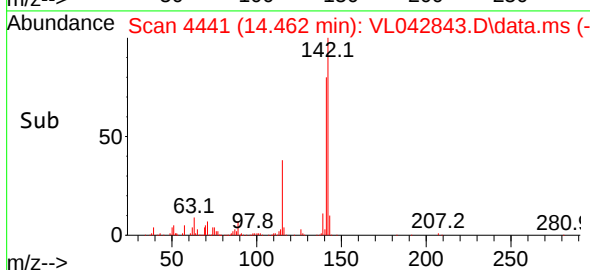
Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

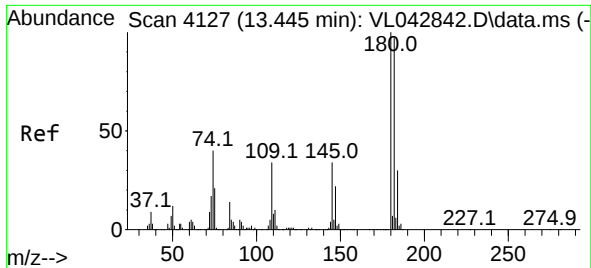


#80
Naphthalene,2-methyl-
Concen: 2.670 ppbv
RT: 14.462 min Scan# 4441
Delta R.T. 0.000 min
Lab File: VL042843.D
Acq: 13 Aug 2025 09:06



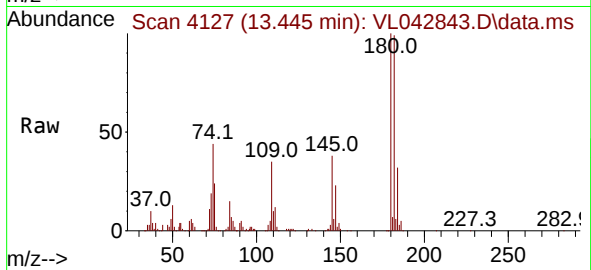
Tgt Ion:142 Resp: 51541
Ion Ratio Lower Upper
142 100
141 83.9 67.0 100.6
115 37.8 30.9 46.3





#81
 1,2,4-Trichlorobenzene
 Concen: 2.384 ppbv
 RT: 13.445 min Scan# 41
 Delta R.T. 0.000 min
 Lab File: VL042843.D
 Acq: 13 Aug 2025 09:06

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002



Tgt Ion:180 Resp: 62210
 Ion Ratio Lower Upper
 180 100
 182 98.0 76.9 115.3
 184 30.8 24.5 36.7

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 08/14/2025
 Supervised By :Mahesh Dadoda 08/18/2025

