

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL070225\
 Data File : VL042691.D
 Acq On : 02 Jul 2025 09:28
 Operator : SY/MD
 Sample : VSTDICC001
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC001

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 07/03/2025
 Supervised By :Mahesh Dadoda 07/03/2025

Quant Time: Jul 03 01:26:40 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL070225AIR.M

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

QLast Update : Thu Jul 03 01:24:10 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.794	49	122042	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.968	114	305483	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.891	117	263429	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.387 95 203435 10.040 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 100.400%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.502	85	13214	1.034	ppbv	100
3) Chlorodifluoromethane	1.480	51	20689	1.083	ppbv	97
4) Chloromethane	1.535	50	5440	1.086	ppbv	92
5) Vinyl Chloride	1.583	62	4311	0.856	ppbv	99
6) Bromomethane	1.670	94	2395	1.064	ppbv #	76
7) Chloroethane	1.709	64	2066	1.068	ppbv	97
8) Dichlorotetrafluoroethane	1.557	85	10757	1.016	ppbv	98
9) Propene	1.486	41	7269	1.017	ppbv	97
10) Heptane	4.998	43	18560m	0.957	ppbv	
11) Trichlorofluoromethane	1.881	101	14164	1.051	ppbv	96
12) 1,1,2-Trichlorotrifluo...	2.143	101	11318	1.061	ppbv	95
13) Ethanol	1.725	45	795	1.171	ppbv	72
14) Bromoethene	1.787	108	3790	1.020	ppbv	95
15) Acetone	1.839	43	13196	1.090	ppbv	94
16) 1,3-Butadiene	1.612	39	5928	1.063	ppbv	93
17) tert-Butyl alcohol	2.046	59	12101	1.025	ppbv	99
18) 1,1-Dichloroethene	2.039	96	4779	1.009	ppbv	90
19) Isopropyl Alcohol	1.891	45	6861	0.986	ppbv #	1
20) Methylene Chloride	2.069	84	4922	1.063	ppbv	93
21) Allyl Chloride	2.101	41	8443	1.000	ppbv	96
22) trans-1,2-Dichloroethene	2.347	96	5076	0.984	ppbv	95
23) Vinyl Acetate	2.470	43	18307	0.935	ppbv	97
24) 1,1-Dichloroethane	2.415	63	11310	1.060	ppbv	96
25) Ethyl Acetate	2.845	43	35741	0.976	ppbv	96
26) Hexane	2.832	57	15131	0.991	ppbv	97
27) Carbon Disulfide	2.156	76	12785	1.026	ppbv #	78
28) Methyl tert-Butyl Ether	2.447	73	6208	0.993	ppbv	97
29) Chloroform	2.855	83	24283	1.052	ppbv	99
30) Cyclohexane	3.868	84	11035	0.956	ppbv	94
31) cis-1,2-Dichloroethene	2.729	61	15056	1.036	ppbv	94
32) 1,1,1-Trichloroethane	3.379	97	20910	0.948	ppbv	97
34) 2-Butanone	2.567	43	25091	1.038	ppbv	98
35) Carbon Tetrachloride	3.771	117	21021	0.992	ppbv	88
36) Benzene	3.667	78	32089	1.042	ppbv	93
37) 1,2-Dichloroethane	3.231	62	17166	1.050	ppbv	98
38) Trichloroethene	4.567	130	13382m	1.006	ppbv	
39) 1,2-Dichloropropane	4.324	63	12193	1.015	ppbv	95
40) 1,4-Dioxane	4.606	88	4659m	1.009	ppbv	
41) Tetrahydrofuran	3.069	42	11715	0.951	ppbv	99
42) Bromodichloromethane	4.503	83	23463	1.013	ppbv #	92
43) Methyl Methacrylate	4.891	69	9890m	1.000	ppbv	
44) 2,2,4-Trimethylpentane	4.651	57	51620m	1.005	ppbv	
45) t-1,3-Dichloropropene	6.438	75	9601m	0.924	ppbv	

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 ALS Vial : 1 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
 VSTDICC001

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 07/03/2025
 Supervised By :Mahesh Dadoda 07/03/2025

Quant Time: Jul 03 01:26:40 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL070225AIR.M

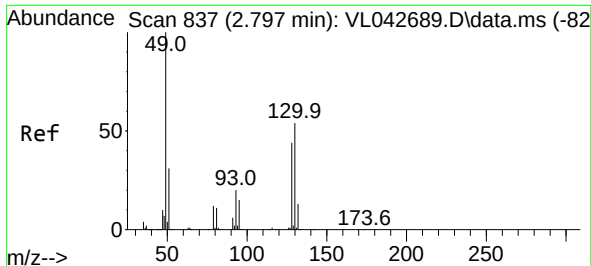
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Thu Jul 03 01:24:10 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.619	75	13366	0.932	ppbv	92
47) 1,1,2-Trichloroethane	6.597	97	12302m	1.040	ppbv	
48) Dibromochloromethane	7.399	129	18446	1.019	ppbv	95
49) Bromoform	9.497	173	16000	1.023	ppbv	99
50) 4-Methyl-2-Pentanone	5.778	43	25940m	0.918	ppbv	
51) 2-Hexanone	7.454	43	17236	0.835	ppbv #	96
52) Tetrachloroethene	8.238	164	10305	0.998	ppbv	95
53) Toluene	6.949	91	26314	0.915	ppbv	99
54) 1,2-Dibromoethane	7.665	107	15978	0.968	ppbv	97
56) 1,1,1,2-Tetrachloroethane	8.940	131	15492	1.088	ppbv	97
57) Chlorobenzene	8.937	112	28166	1.066	ppbv #	93
58) Ethyl Benzene	9.367	91	34160	0.897	ppbv	100
59) m/p-Xylene	9.561	91	60678m	1.901	ppbv	
60) o-Xylene	9.976	91	30409	0.969	ppbv	99
61) Styrene	9.882	104	10327	0.837	ppbv	97
62) Isopropylbenzene	10.552	105	45619	0.963	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.972	83	25045	1.036	ppbv	99
64) n-propylbenzene	10.995	120	12111	0.998	ppbv	100
65) tert-Butylbenzene	11.539	119	39720	0.979	ppbv	98
66) Benzyl Chloride	11.626	91	3571	0.909	ppbv #	97
67) sec-Butylbenzene	11.775	105	64205	1.033	ppbv	97
69) p-Isopropyltoluene	11.934	119	48735	0.986	ppbv	98
70) n-Butylbenzene	12.290	91	47831	0.960	ppbv	96
71) 2-Chlorotoluene	10.911	91	33676	0.961	ppbv	100
72) 4-Ethyltoluene	11.134	105	35361	0.923	ppbv #	97
73) 1,3,5-Trimethylbenzene	11.215	105	31466	0.974	ppbv	93
74) 1,2,4-Trimethylbenzene	11.545	105	38012	1.032	ppbv	88
75) 1,3-Dichlorobenzene	11.617	146	27976	1.082	ppbv	98
76) 1,4-Dichlorobenzene	11.681	146	25814	1.052	ppbv	97
77) 1,2-Dichlorobenzene	11.957	146	28060	1.075	ppbv	98
78) Hexachloro-1,3-Butadiene	13.889	225	23328	1.147	ppbv	96
79) Naphthalene	13.523	128	29658	0.971	ppbv	98
80) Naphthalene,2-methyl-	14.465	142	7977	0.625	ppbv	98
81) 1,2,4-Trichlorobenzene	13.445	180	17882	0.998	ppbv	99

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



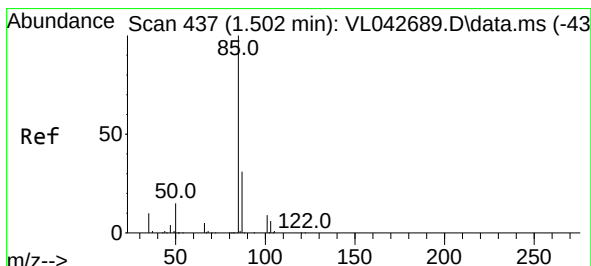
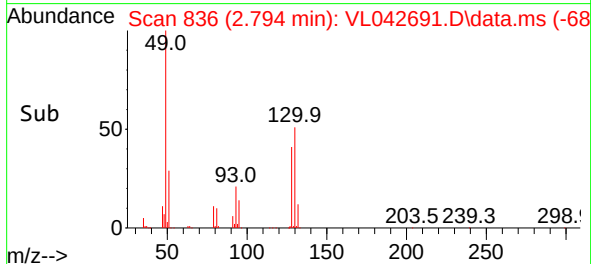
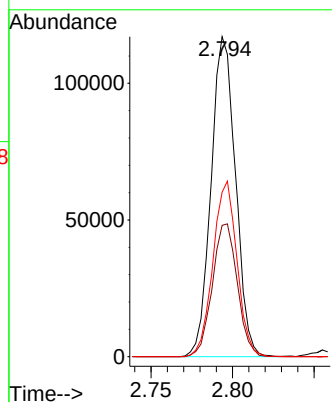
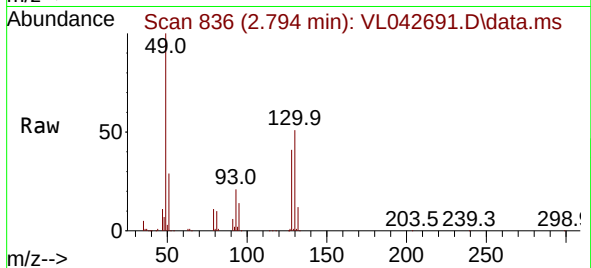
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Bromochloromethane
Concen: 10.000 ppbv
RT: 2.794 min Scan# 81
Delta R.T. -0.003 min
Lab File: VL042691.D
Acq: 02 Jul 2025 09:28

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion: 49 Resp: 12204
Ion Ratio Lower Upper
49 100
128 42.4 21.4 64.2
130 53.8 28.0 84.0

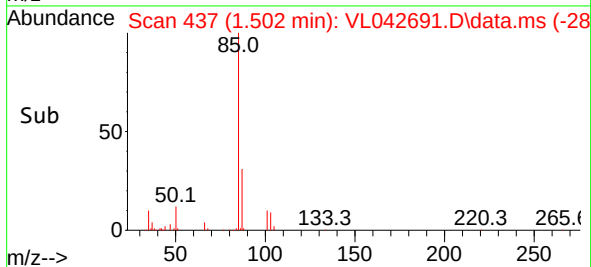
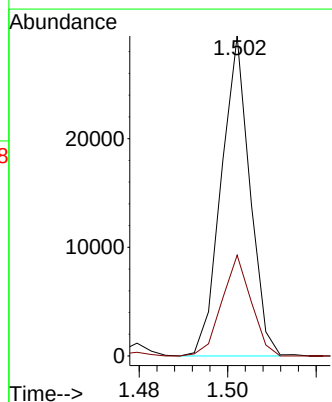
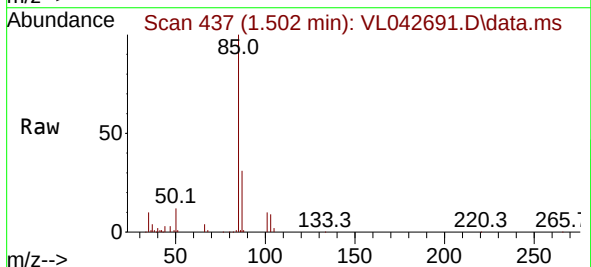
Manual Integrations
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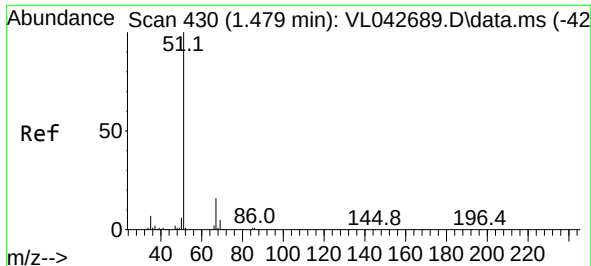
Reviewed By :Semsettin Yesilyurt 07/03/2025
Supervised By :Mahesh Dadoda 07/03/2025



#2
Dichlorodifluoromethane
Concen: 1.034 ppbv
RT: 1.502 min Scan# 437
Delta R.T. 0.000 min
Lab File: VL042691.D
Acq: 02 Jul 2025 09:28

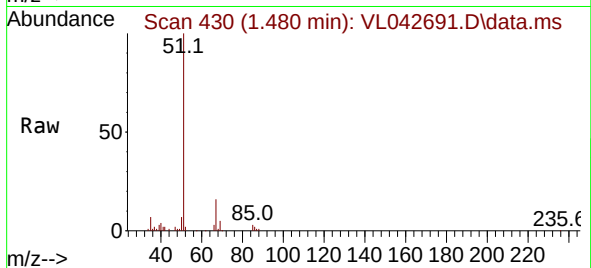
Tgt Ion: 85 Resp: 13214
Ion Ratio Lower Upper
85 100
87 31.5 25.1 37.7





#3
Chlorodifluoromethane
Concen: 1.083 ppbv
RT: 1.480 min Scan# 41
Delta R.T. 0.000 min
Lab File: VL042691.D
Acq: 02 Jul 2025 09:28

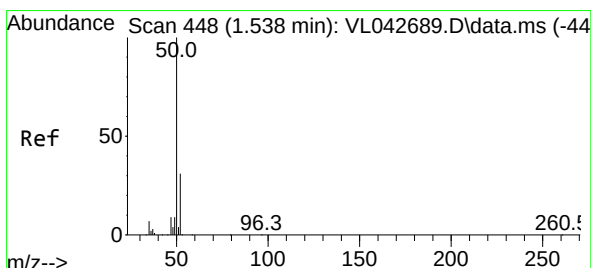
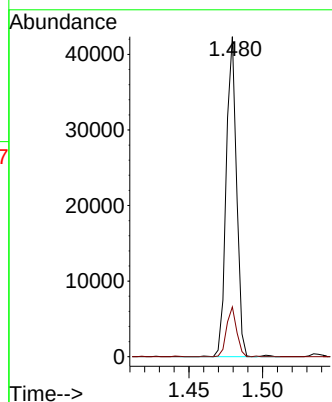
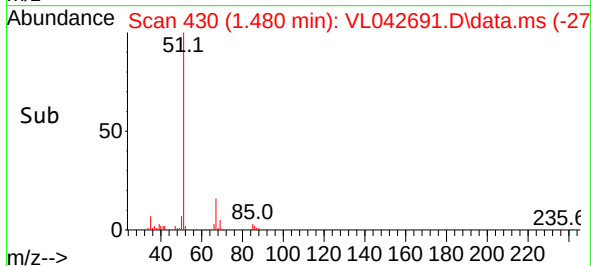
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001



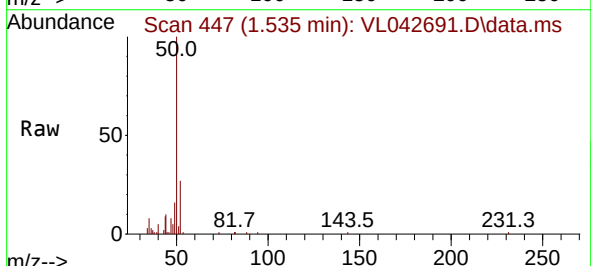
Tgt Ion: 51 Resp: 20689
Ion Ratio Lower Upper
51 100
67 15.3 13.1 19.7

Manual Integrations
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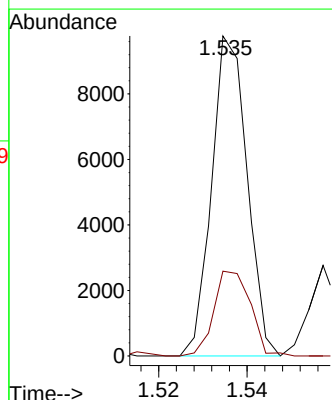
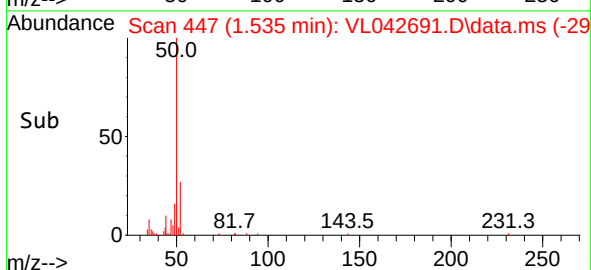
Reviewed By :Semsettin Yesilyurt 07/03/2025
Supervised By :Mahesh Dadoda 07/03/2025

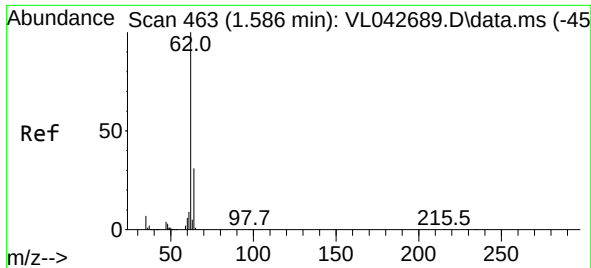


#4
Chloromethane
Concen: 1.086 ppbv
RT: 1.535 min Scan# 447
Delta R.T. -0.003 min
Lab File: VL042691.D
Acq: 02 Jul 2025 09:28



Tgt Ion: 50 Resp: 5440
Ion Ratio Lower Upper
50 100
52 26.5 24.8 37.2





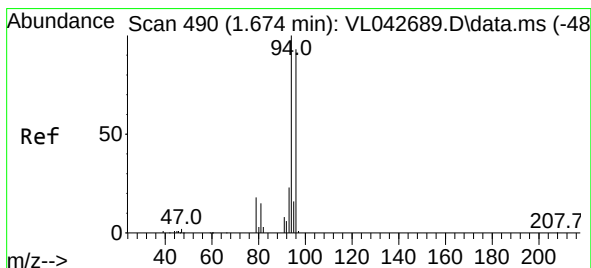
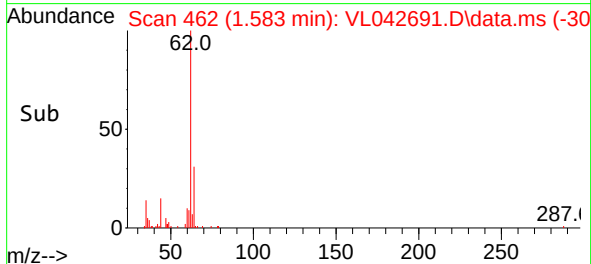
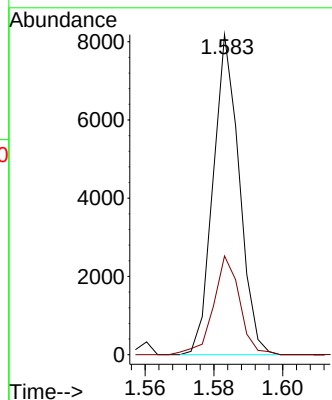
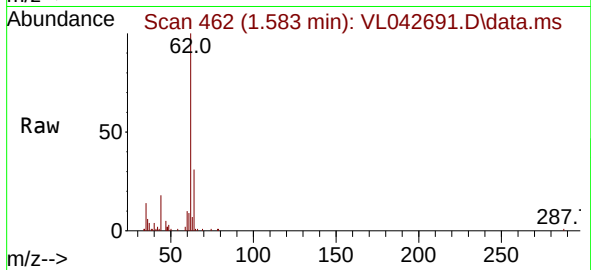
#5
 Vinyl Chloride
 Concen: 0.856 ppbv
 RT: 1.583 min Scan# 462
 Delta R.T. -0.003 min
 Lab File: VL042691.D
 Acq: 02 Jul 2025 09:28

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC001

Tgt Ion: 62 Resp: 431
 Ion Ratio Lower Upper
 62 100
 64 30.9 25.1 37.7

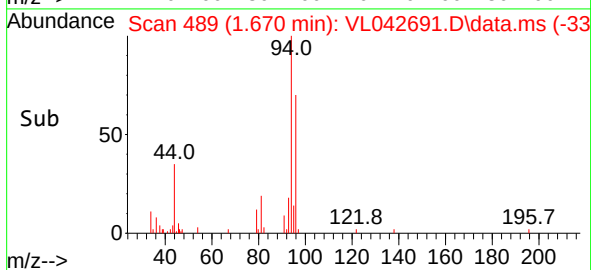
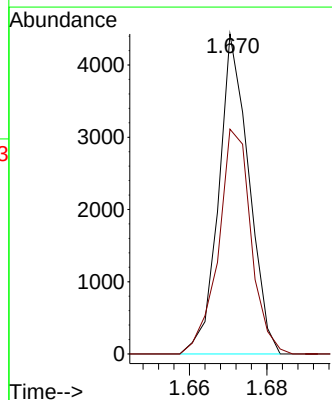
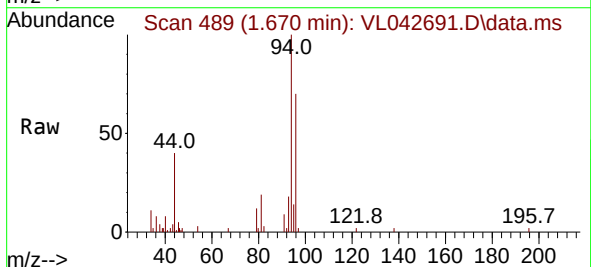
Manual Integrations
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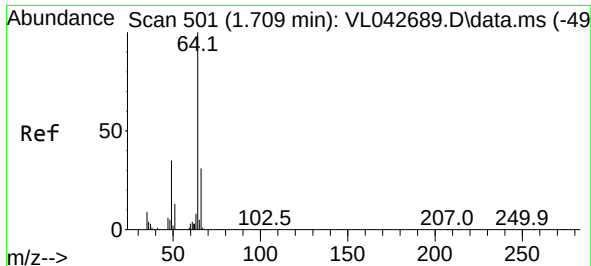
Reviewed By :Semsettin Yesilyurt 07/03/2025
 Supervised By :Mahesh Dadoda 07/03/2025



#6
 Bromomethane
 Concen: 1.064 ppbv
 RT: 1.670 min Scan# 489
 Delta R.T. -0.003 min
 Lab File: VL042691.D
 Acq: 02 Jul 2025 09:28

Tgt Ion: 94 Resp: 2395
 Ion Ratio Lower Upper
 94 100
 96 70.3 74.6 112.0#





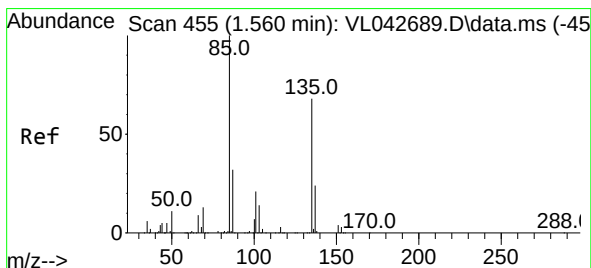
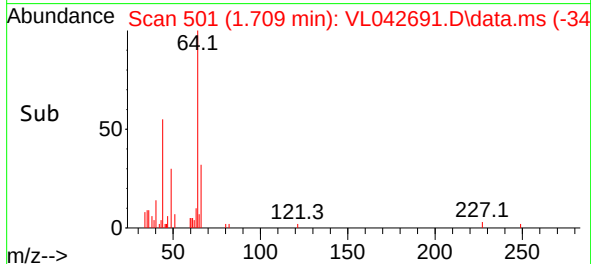
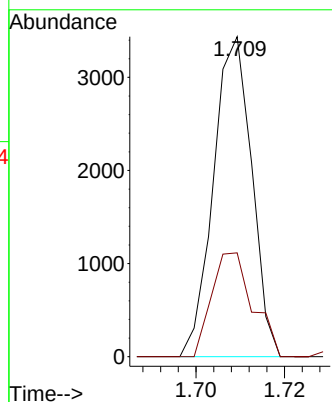
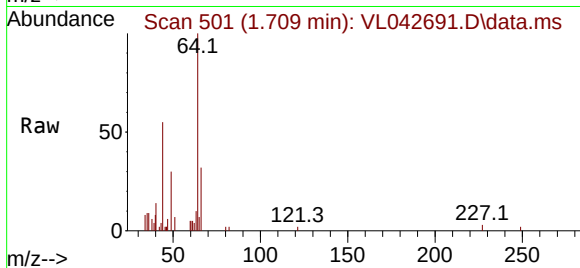
#7
Chloroethane
Concen: 1.068 ppbv
RT: 1.709 min Scan# 501
Delta R.T. 0.000 min
Lab File: VL042691.D
Acq: 02 Jul 2025 09:28

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion: 64 Resp: 2060
Ion Ratio Lower Upper
64 100
66 32.4 24.7 37.1

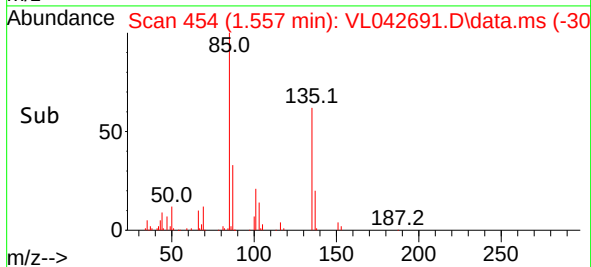
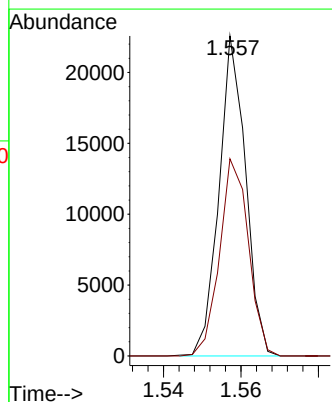
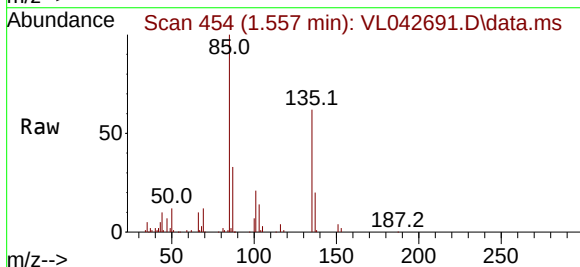
Manual Integrations
APPROVED

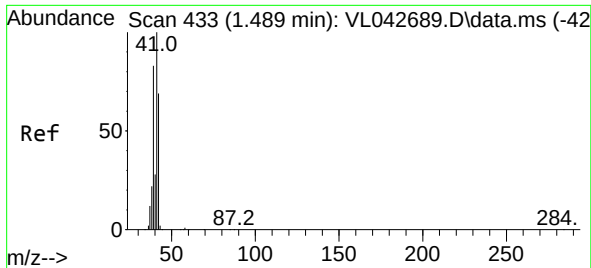
Reviewed By :Semsettin Yesilyurt 07/03/2025
Supervised By :Mahesh Dadoda 07/03/2025



#8
Dichlorotetrafluoroethane
Concen: 1.016 ppbv
RT: 1.557 min Scan# 454
Delta R.T. -0.003 min
Lab File: VL042691.D
Acq: 02 Jul 2025 09:28

Tgt Ion: 85 Resp: 10757
Ion Ratio Lower Upper
85 100
135 67.1 52.6 79.0





#9

Propene

Concen: 1.017 ppbv

RT: 1.486 min Scan# 41

Delta R.T. -0.003 min

Lab File: VL042691.D

Acq: 02 Jul 2025 09:28

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC001

Tgt Ion: 41 Resp: 7269

Ion Ratio Lower Upper

41 100

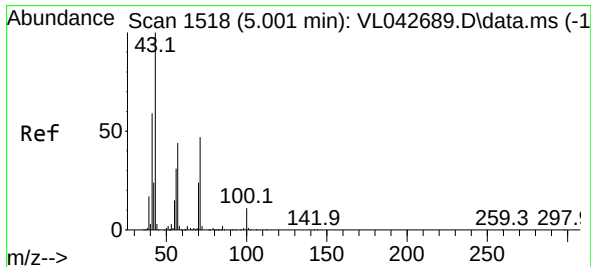
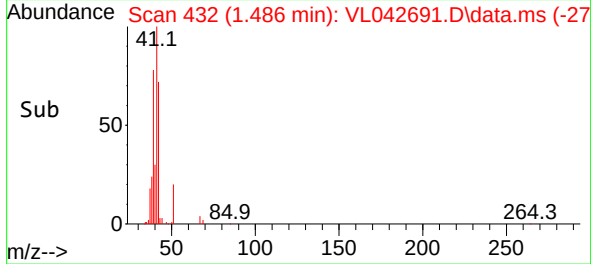
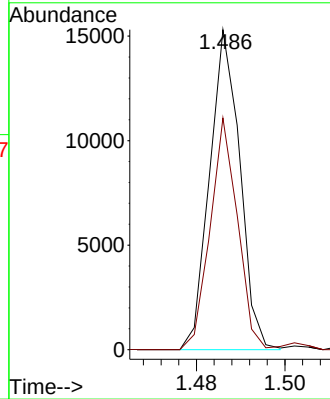
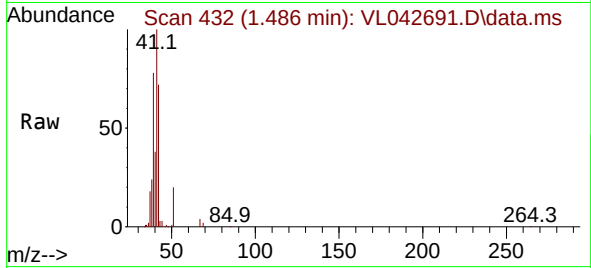
42 67.3 55.6 83.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/03/2025

Supervised By :Mahesh Dadoda 07/03/2025



#10

Heptane

Concen: 0.957 ppbv m

RT: 4.998 min Scan# 1517

Delta R.T. -0.003 min

Lab File: VL042691.D

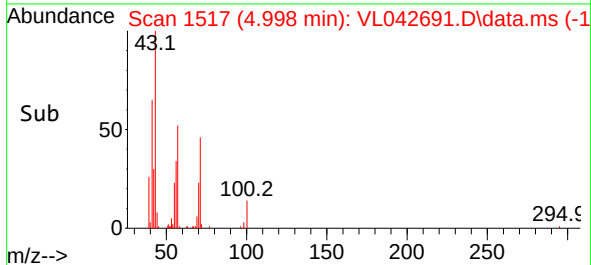
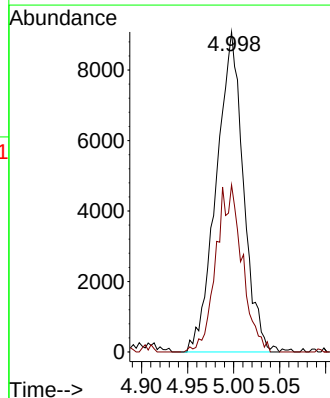
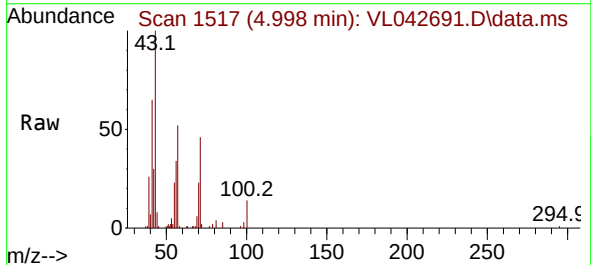
Acq: 02 Jul 2025 09:28

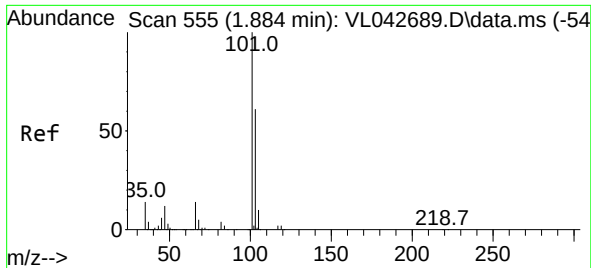
Tgt Ion: 43 Resp: 18560

Ion Ratio Lower Upper

43 100

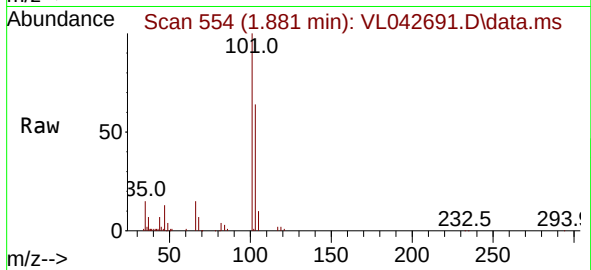
57 50.5 37.4 56.0





#11
Trichlorofluoromethane
Concen: 1.051 ppbv
RT: 1.881 min Scan# 511
Delta R.T. -0.003 min
Lab File: VL042691.D
Acq: 02 Jul 2025 09:28

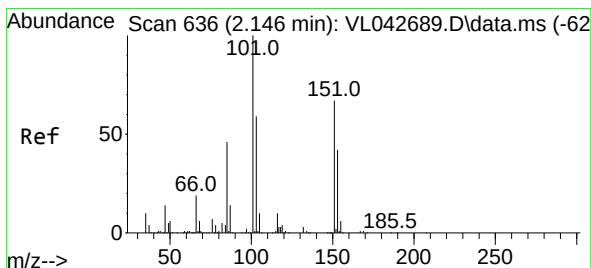
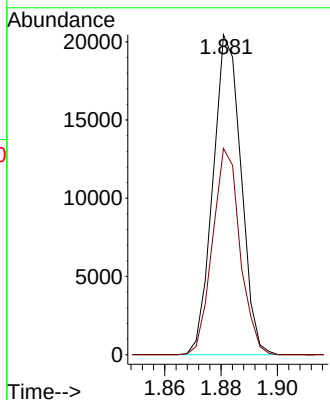
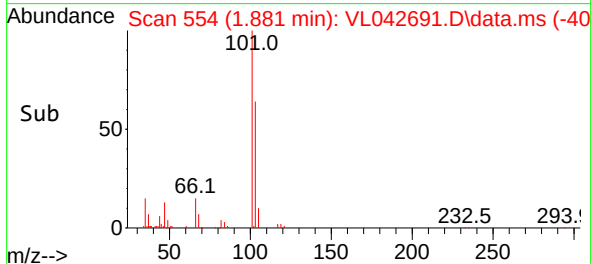
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



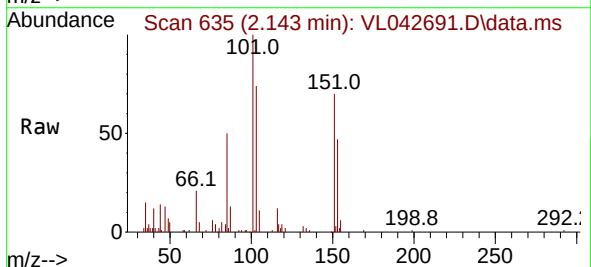
Tgt Ion:101 Resp: 14164
Ion Ratio Lower Upper
101 100
103 64.4 48.9 73.3

Manual Integrations
APPROVED

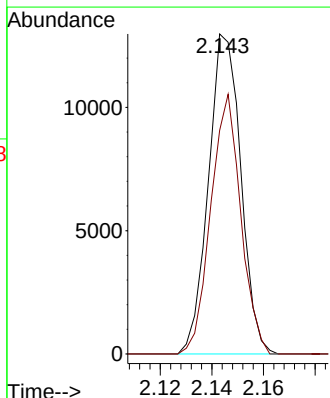
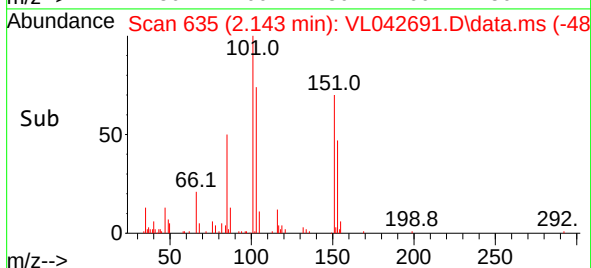
Reviewed By :Semsettin Yesilyurt 07/03/2025
Supervised By :Mahesh Dadoda 07/03/2025

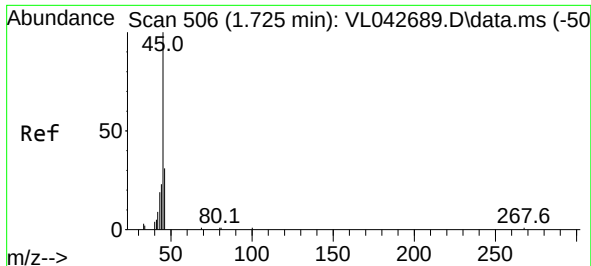


#12
1,1,2-Trichlorotrifluoroethane
Concen: 1.061 ppbv
RT: 2.143 min Scan# 635
Delta R.T. -0.003 min
Lab File: VL042691.D
Acq: 02 Jul 2025 09:28



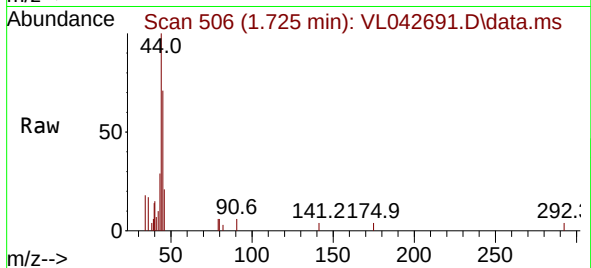
Tgt Ion:101 Resp: 11318
Ion Ratio Lower Upper
101 100
151 75.1 56.6 84.8





#13
Ethanol
Concen: 1.171 ppbv
RT: 1.725 min Scan# 506
Delta R.T. 0.000 min
Lab File: VL042691.D
Acq: 02 Jul 2025 09:28

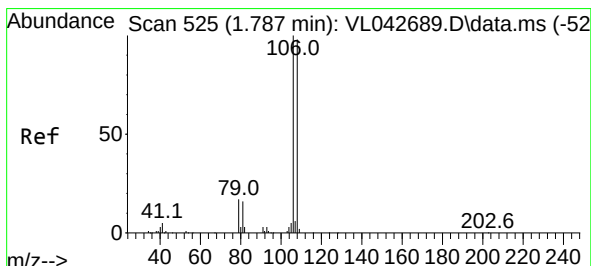
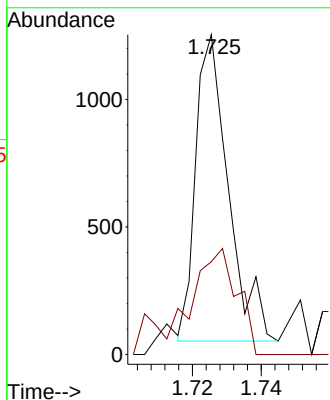
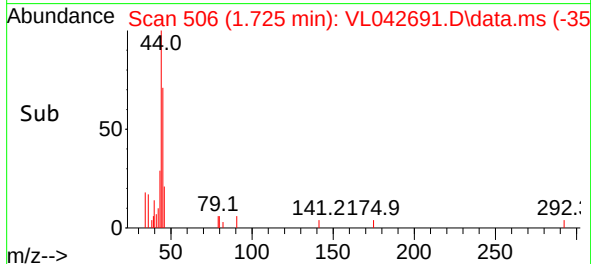
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001



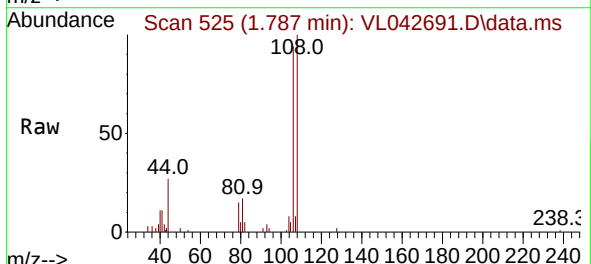
Tgt Ion: 45 Resp: 799
Ion Ratio Lower Upper
45 100
46 54.7 15.2 60.8

Manual Integrations
APPROVED

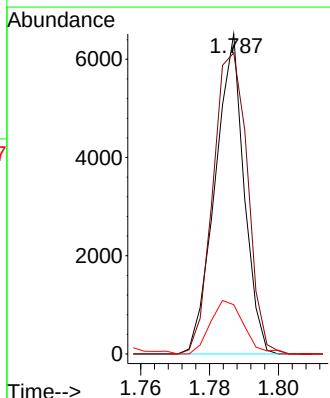
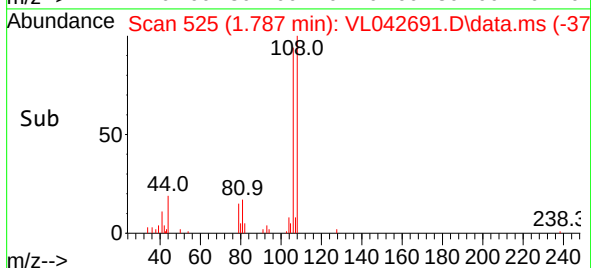
Reviewed By :Semsettin Yesilyurt 07/03/2025
Supervised By :Mahesh Dadoda 07/03/2025

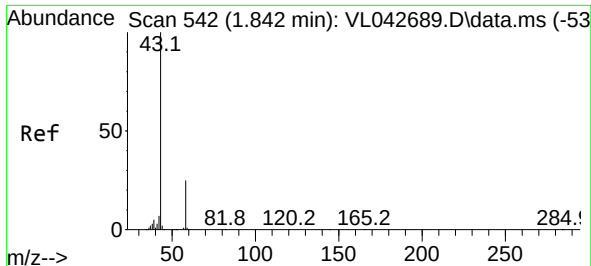


#14
Bromoethene
Concen: 1.020 ppbv
RT: 1.787 min Scan# 525
Delta R.T. 0.000 min
Lab File: VL042691.D
Acq: 02 Jul 2025 09:28



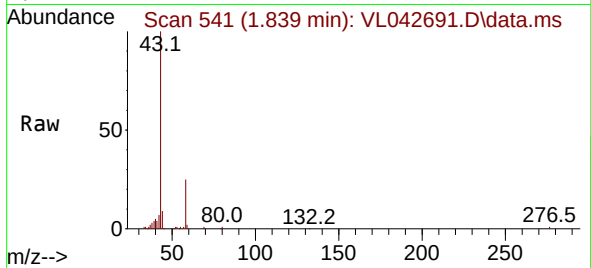
Tgt Ion:108 Resp: 3790
Ion Ratio Lower Upper
108 100
106 112.3 85.9 128.9
79 20.9 14.5 21.7





#15
Acetone
Concen: 1.090 ppbv
RT: 1.839 min Scan# 541
Delta R.T. -0.003 min
Lab File: VL042691.D
Acq: 02 Jul 2025 09:28

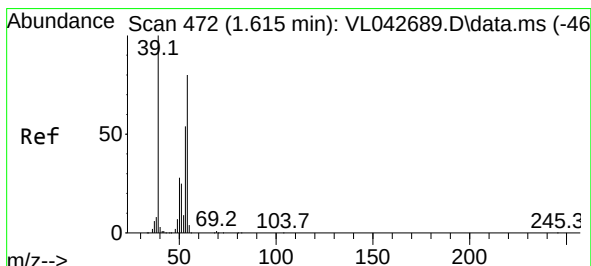
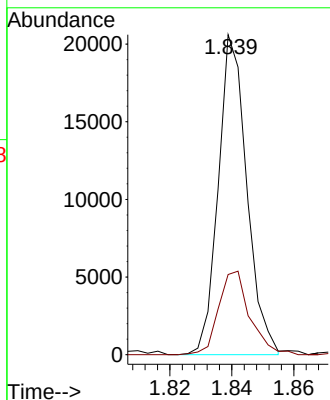
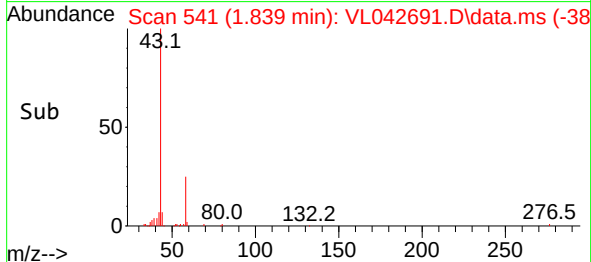
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001



Tgt Ion: 43 Resp: 13190
Ion Ratio Lower Upper
43 100
58 28.7 20.6 31.0

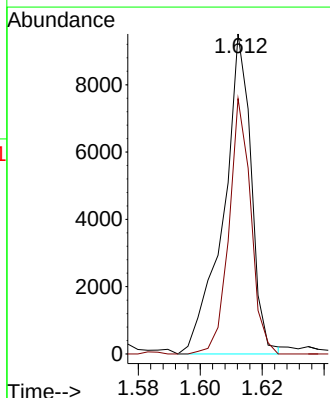
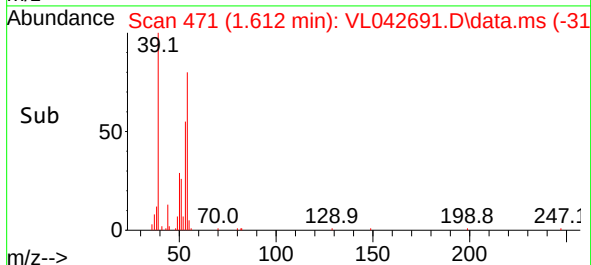
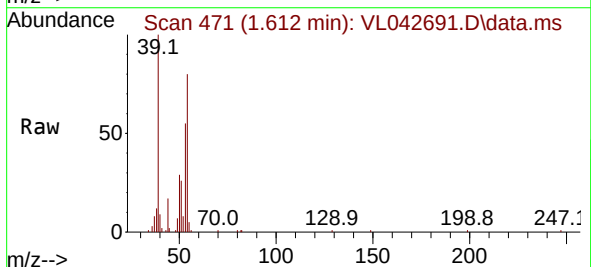
Manual Integrations
APPROVED

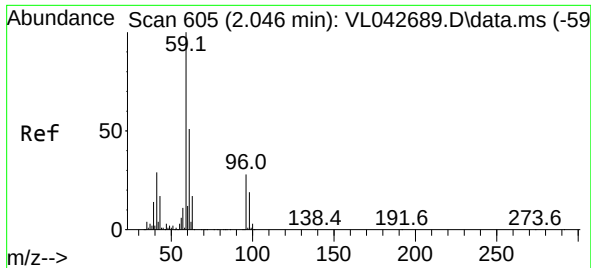
Reviewed By :Semsettin Yesilyurt 07/03/2025
Supervised By :Mahesh Dadoda 07/03/2025



#16
1,3-Butadiene
Concen: 1.063 ppbv
RT: 1.612 min Scan# 471
Delta R.T. -0.003 min
Lab File: VL042691.D
Acq: 02 Jul 2025 09:28

Tgt Ion: 39 Resp: 5928
Ion Ratio Lower Upper
39 100
54 63.0 54.9 82.3





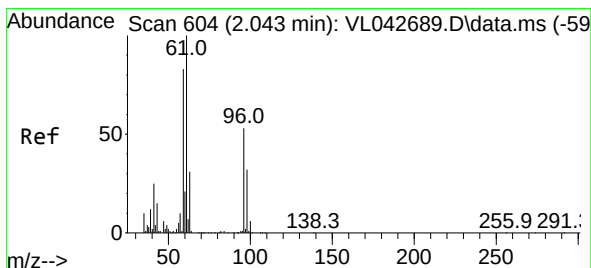
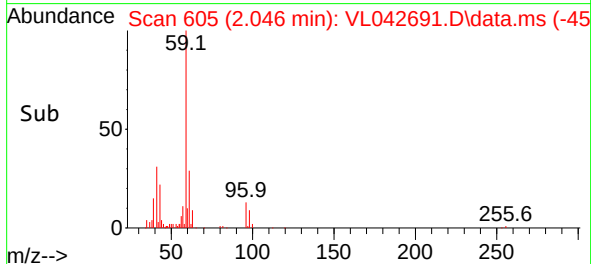
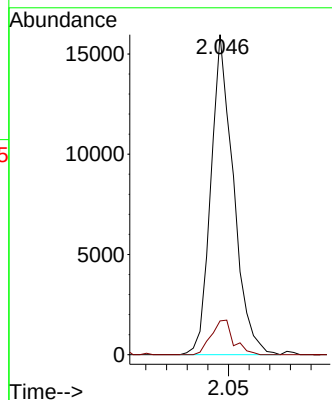
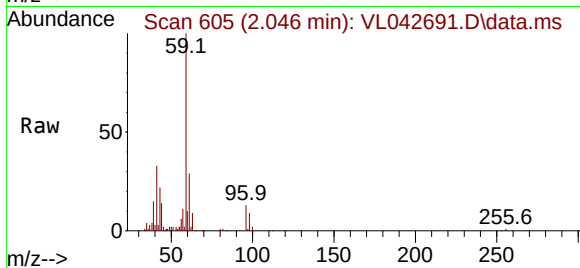
#17
tert-Butyl alcohol
Concen: 1.025 ppbv
RT: 2.046 min Scan# 605
Delta R.T. 0.000 min
Lab File: VL042691.D
Acq: 02 Jul 2025 09:28

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 59 Resp: 1210
Ion Ratio Lower Upper
59 100
57 10.6 8.8 13.2

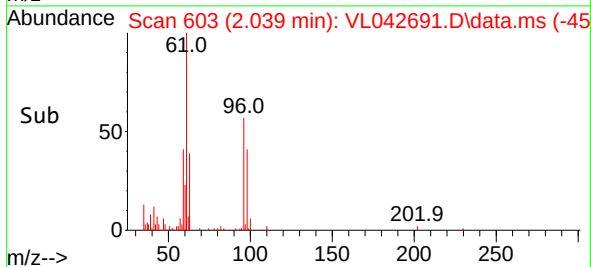
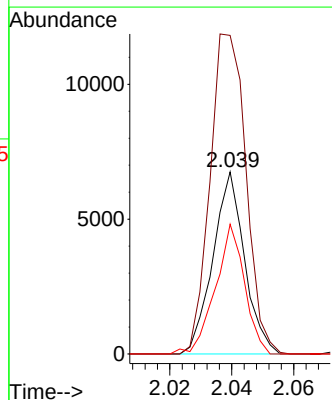
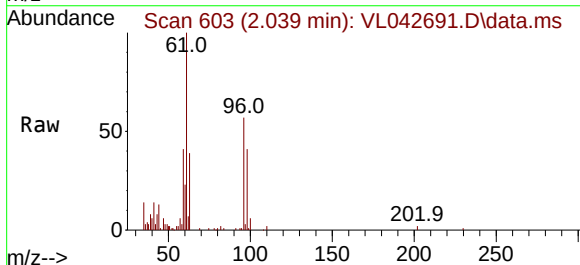
Manual Integrations
APPROVED

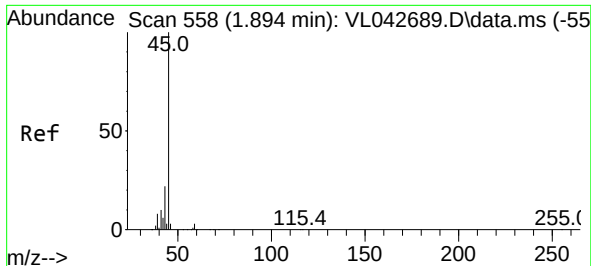
Reviewed By :Semsettin Yesilyurt 07/03/2025
Supervised By :Mahesh Dadoda 07/03/2025



#18
1,1-Dichloroethene
Concen: 1.009 ppbv
RT: 2.039 min Scan# 603
Delta R.T. -0.003 min
Lab File: VL042691.D
Acq: 02 Jul 2025 09:28

Tgt Ion: 96 Resp: 4779
Ion Ratio Lower Upper
96 100
61 175.0 151.0 226.6
98 71.3 49.0 73.4





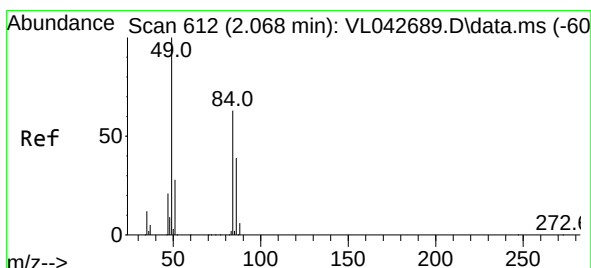
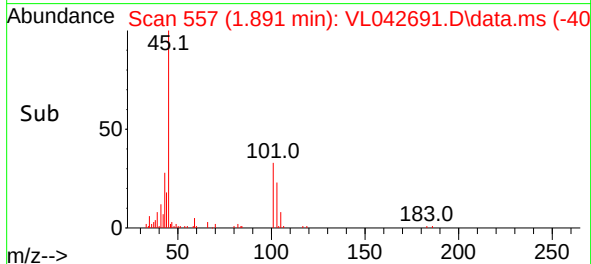
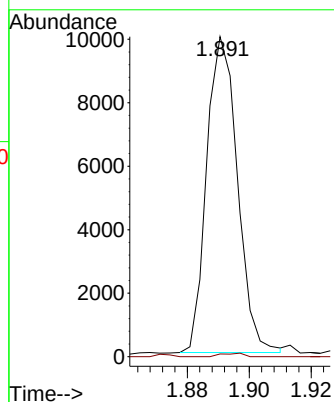
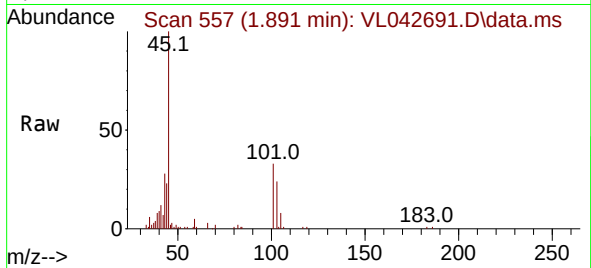
#19
Isopropyl Alcohol
Concen: 0.986 ppbv
RT: 1.891 min Scan# 558
Delta R.T. -0.003 min
Lab File: VL042691.D
Acq: 02 Jul 2025 09:28

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 45 Resp: 686
Ion Ratio Lower Upper
45 100
58 55.2 1.4 2.2

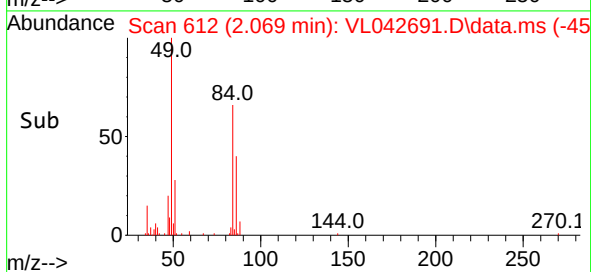
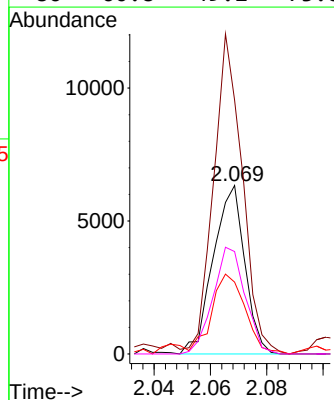
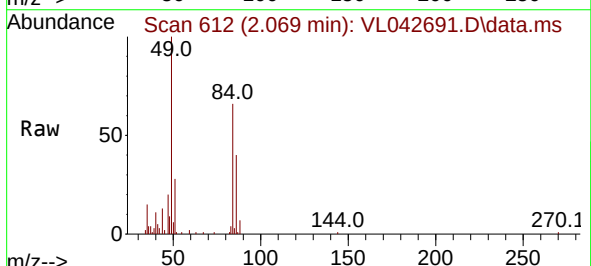
Manual Integrations
APPROVED

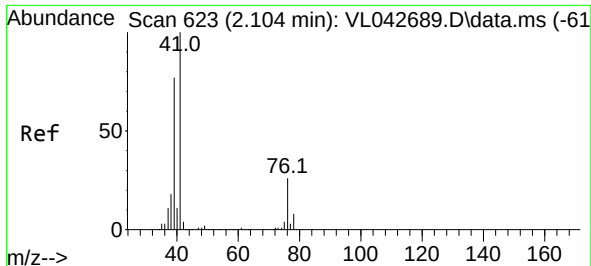
Reviewed By :Semsettin Yesilyurt 07/03/2025
Supervised By :Mahesh Dadoda 07/03/2025



#20
Methylene Chloride
Concen: 1.063 ppbv
RT: 2.069 min Scan# 612
Delta R.T. 0.000 min
Lab File: VL042691.D
Acq: 02 Jul 2025 09:28

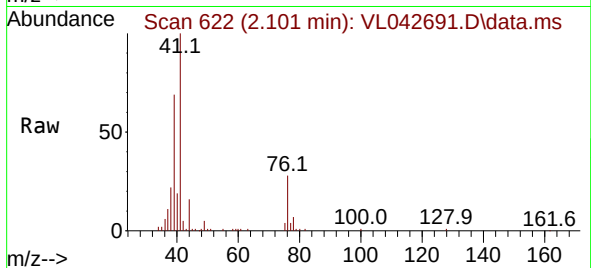
Tgt Ion: 84 Resp: 4922
Ion Ratio Lower Upper
84 100
49 149.3 128.6 193.0
51 42.3 37.4 56.2
86 60.8 49.2 73.8





#21
 Allyl Chloride
 Concen: 1.000 ppbv
 RT: 2.101 min Scan# 61
 Delta R.T. -0.003 min
 Lab File: VL042691.D
 Acq: 02 Jul 2025 09:28

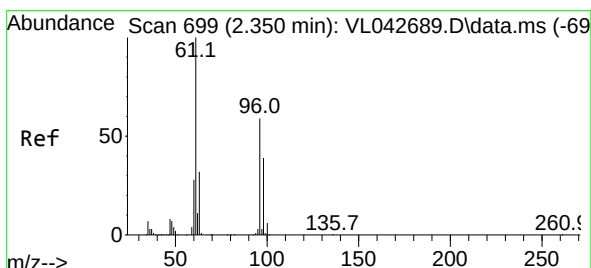
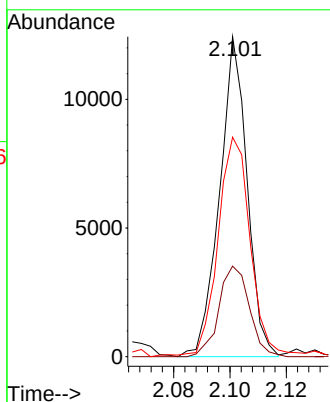
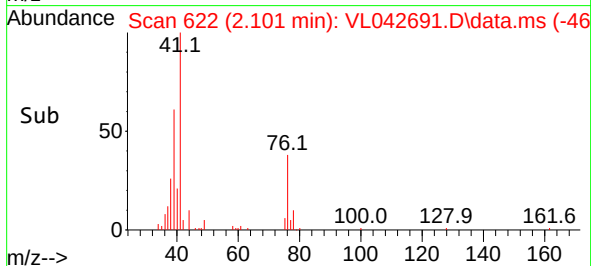
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001



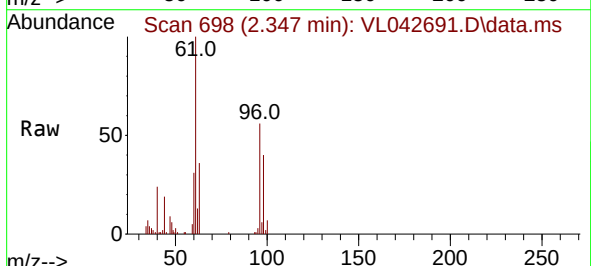
Tgt Ion: 41 Resp: 844
 Ion Ratio Lower Upper
 41 100
 76 31.2 21.7 32.5
 39 81.3 63.4 95.2

Manual Integrations
 APPROVED

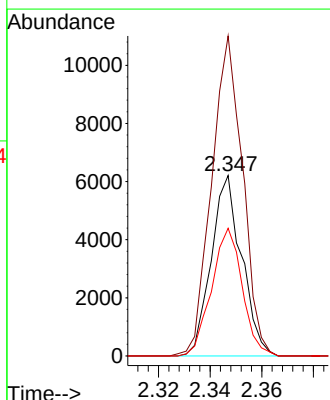
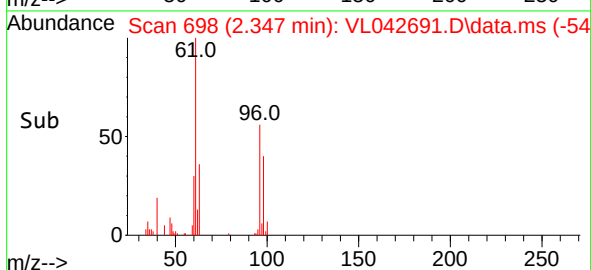
Reviewed By :Semsettin Yesilyurt 07/03/2025
 Supervised By :Mahesh Dadoda 07/03/2025

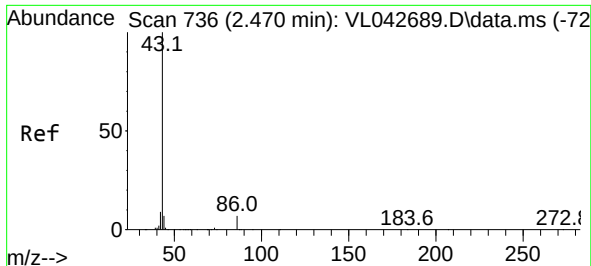


#22
 trans-1,2-Dichloroethene
 Concen: 0.984 ppbv
 RT: 2.347 min Scan# 698
 Delta R.T. -0.003 min
 Lab File: VL042691.D
 Acq: 02 Jul 2025 09:28



Tgt Ion: 96 Resp: 5076
 Ion Ratio Lower Upper
 96 100
 61 177.3 136.5 204.7
 98 70.8 53.5 80.3





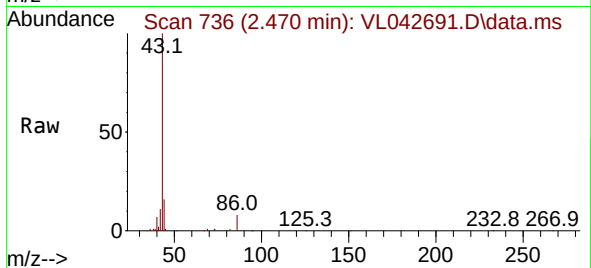
#23
 Vinyl Acetate
 Concen: 0.935 ppbv
 RT: 2.470 min Scan# 719
 Delta R.T. 0.000 min
 Lab File: VL042691.D
 Acq: 02 Jul 2025 09:28

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

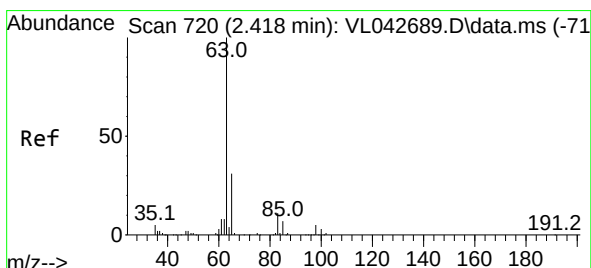
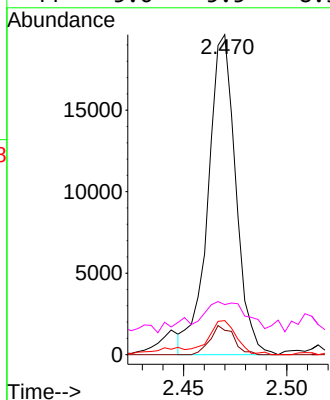
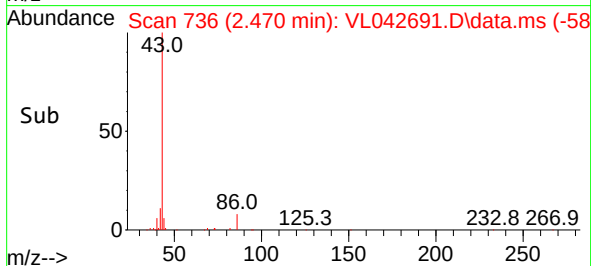


Tgt Ion: 43 Resp: 1830
 Ion Ratio Lower Upper
 43 100
 86 7.6 5.8 8.6
 42 10.7 7.2 10.8
 44 5.6 5.5 8.3

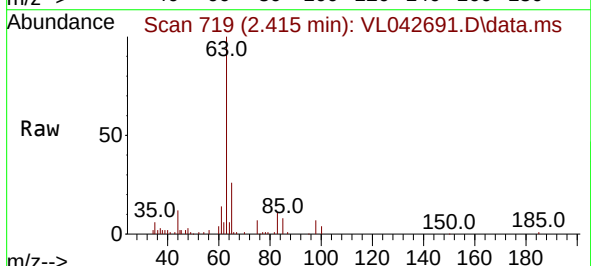
Manual Integrations

APPROVED

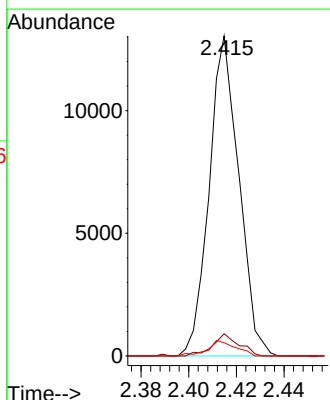
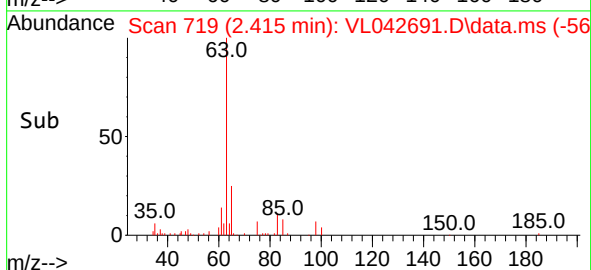
Reviewed By :Semsettin Yesilyurt 07/03/2025
 Supervised By :Mahesh Dadoda 07/03/2025

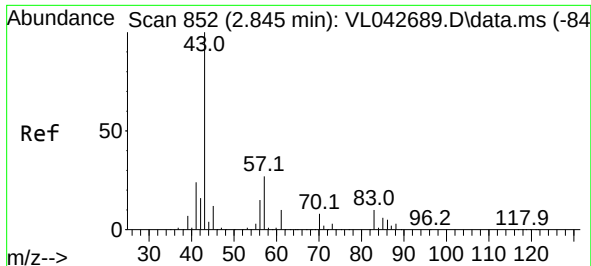


#24
 1,1-Dichloroethane
 Concen: 1.060 ppbv
 RT: 2.415 min Scan# 719
 Delta R.T. -0.003 min
 Lab File: VL042691.D
 Acq: 02 Jul 2025 09:28



Tgt Ion: 63 Resp: 11310
 Ion Ratio Lower Upper
 63 100
 98 7.0 2.5 7.6
 100 4.2 1.7 5.0





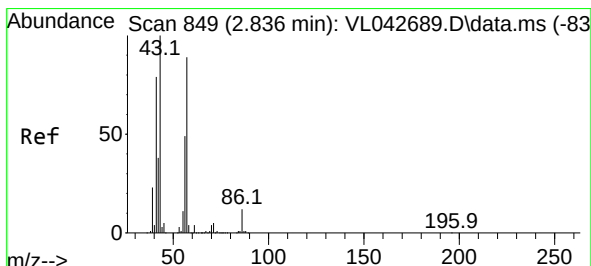
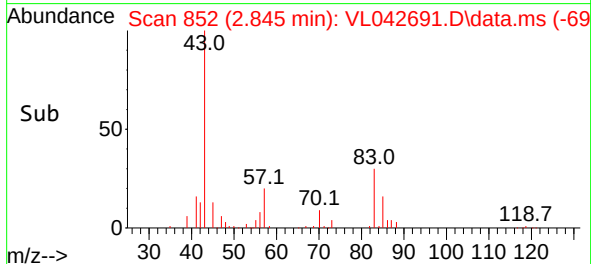
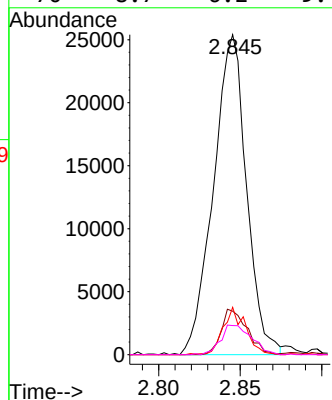
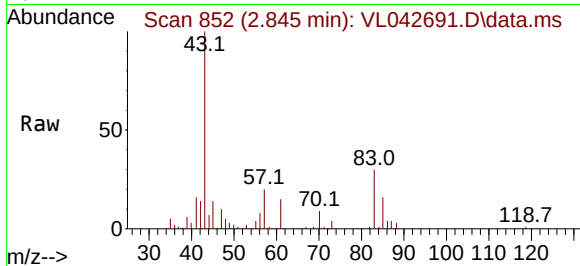
#25
Ethyl Acetate
Concen: 0.976 ppbv
RT: 2.845 min Scan# 81
Delta R.T. 0.000 min
Lab File: VL042691.D
Acq: 02 Jul 2025 09:28

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion: 43	Resp: 3574
Ion Ratio	Lower Upper
43 100	
45 11.7	8.1 12.1
61 10.2	7.0 10.6
70 8.7	6.2 9.4

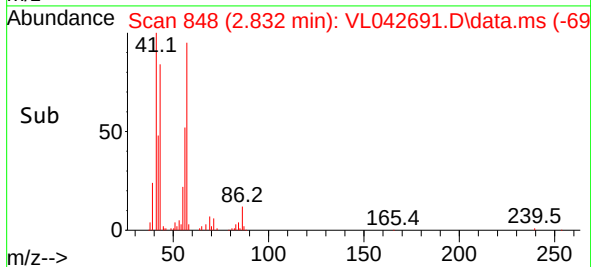
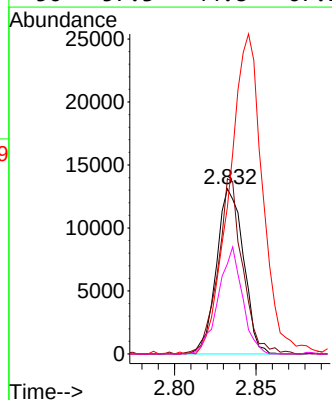
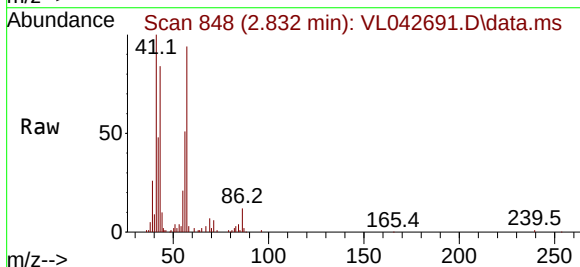
Manual Integrations
APPROVED

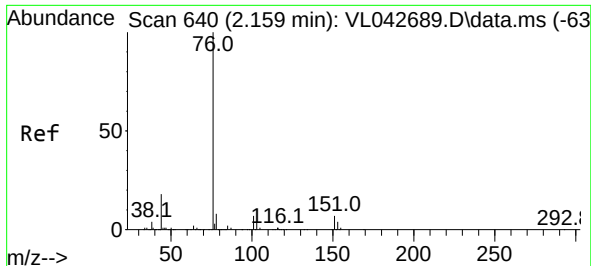
Reviewed By :Semsettin Yesilyurt 07/03/2025
Supervised By :Mahesh Dadoda 07/03/2025



#26
Hexane
Concen: 0.991 ppbv
RT: 2.832 min Scan# 848
Delta R.T. -0.003 min
Lab File: VL042691.D
Acq: 02 Jul 2025 09:28

Tgt Ion: 57	Resp: 15131
Ion Ratio	Lower Upper
57 100	
41 96.9	73.7 110.5
43 242.9	190.6 285.8
56 57.3	44.8 67.2





#27

Carbon Disulfide

Concen: 1.026 ppbv

RT: 2.156 min Scan# 61

Delta R.T. -0.003 min

Lab File: VL042691.D

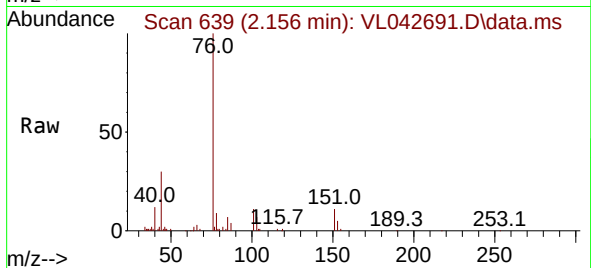
Acq: 02 Jul 2025 09:28

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

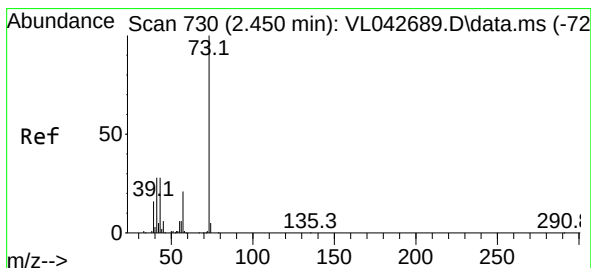
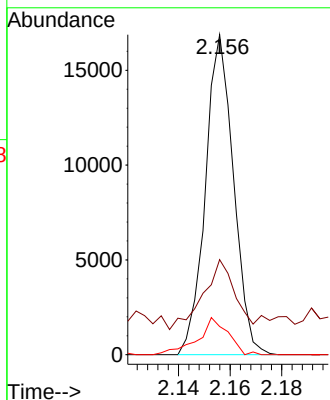
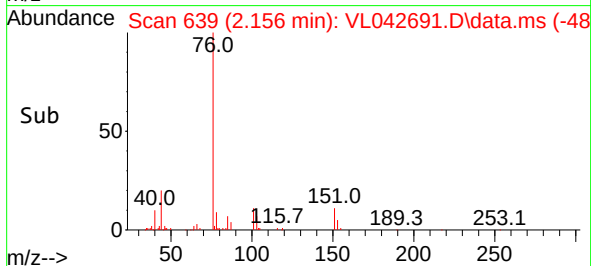


Tgt Ion: 76	Resp: 1278
Ion Ratio	Lower Upper
76	100
44	35.1 15.6 23.4
78	12.4 9.2 13.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/03/2025
Supervised By :Mahesh Dadoda 07/03/2025



#28

Methyl tert-Butyl Ether

Concen: 0.993 ppbv

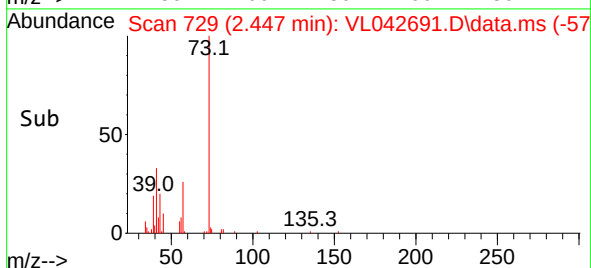
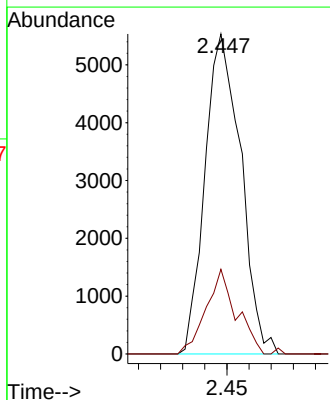
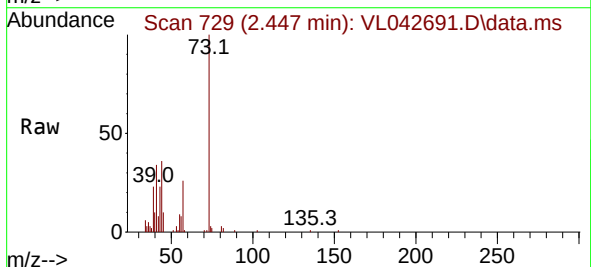
RT: 2.447 min Scan# 729

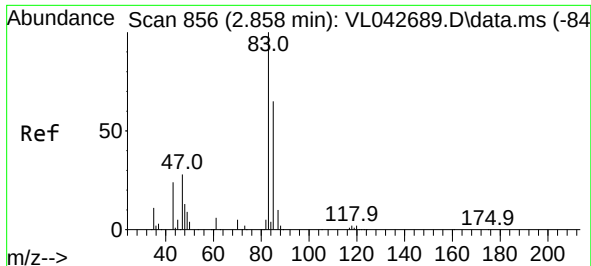
Delta R.T. -0.003 min

Lab File: VL042691.D

Acq: 02 Jul 2025 09:28

Tgt Ion: 73	Resp: 6208
Ion Ratio	Lower Upper
73	100
57	22.8 19.3 28.9





#29

Chloroform

Concen: 1.052 ppbv

RT: 2.855 min Scan# 81

Delta R.T. -0.003 min

Lab File: VL042691.D

Acq: 02 Jul 2025 09:28

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tgt Ion: 83 Resp: 2428

Ion Ratio Lower Upper

83 100

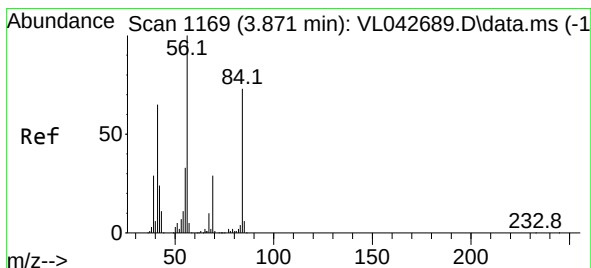
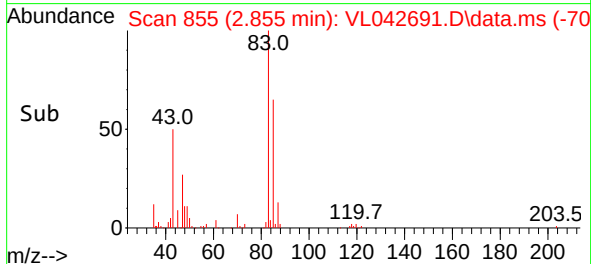
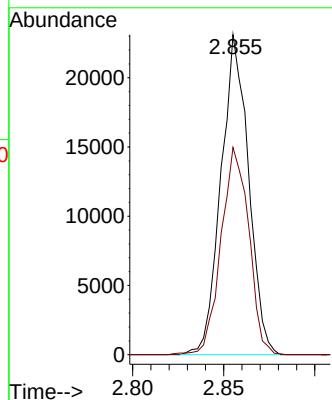
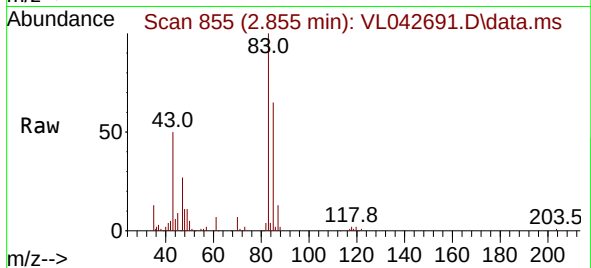
85 64.5 52.4 78.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/03/2025

Supervised By :Mahesh Dadoda 07/03/2025



#30

Cyclohexane

Concen: 0.956 ppbv

RT: 3.868 min Scan# 1168

Delta R.T. -0.003 min

Lab File: VL042691.D

Acq: 02 Jul 2025 09:28

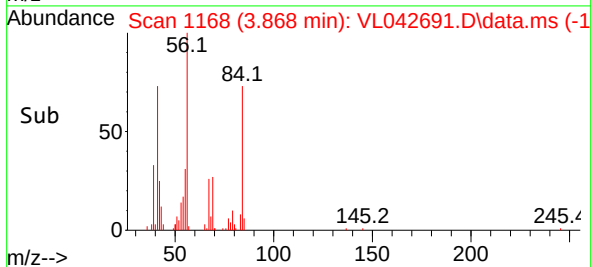
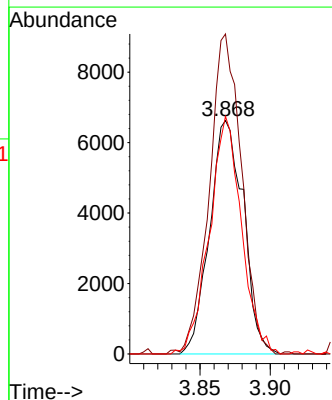
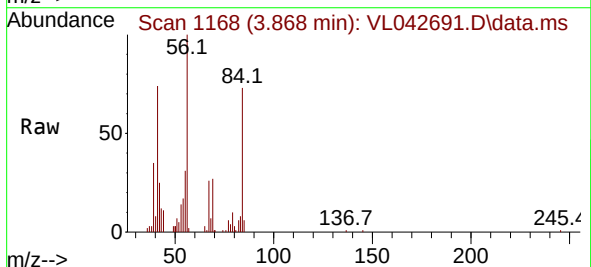
Tgt Ion: 84 Resp: 11035

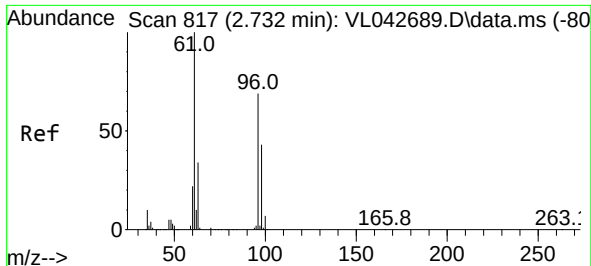
Ion Ratio Lower Upper

84 100

56 131.9 110.4 165.6

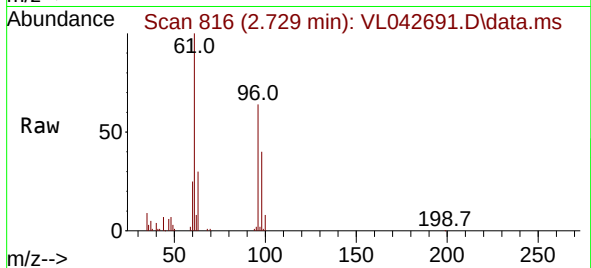
41 96.5 71.4 107.0





#31
 cis-1,2-Dichloroethene
 Concen: 1.036 ppbv
 RT: 2.729 min Scan# 81
 Delta R.T. -0.003 min
 Lab File: VL042691.D
 Acq: 02 Jul 2025 09:28

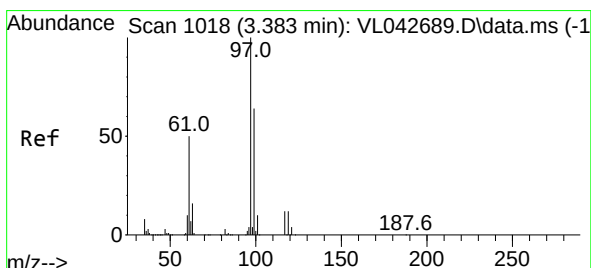
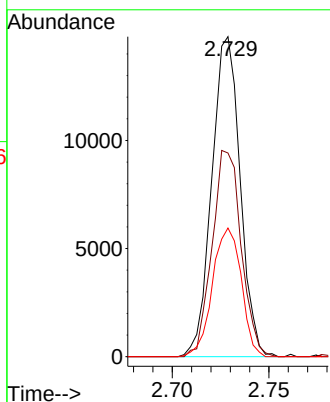
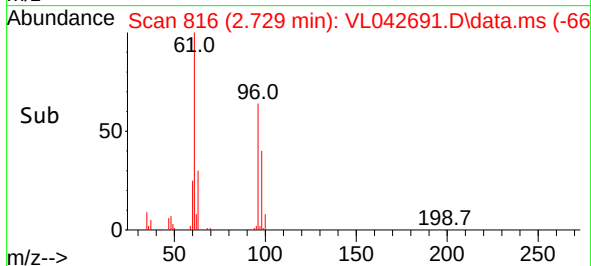
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC001



Tgt Ion: 61 Resp: 1505
 Ion Ratio Lower Upper
 61 100
 96 63.7 54.8 82.2
 98 40.2 34.7 52.1

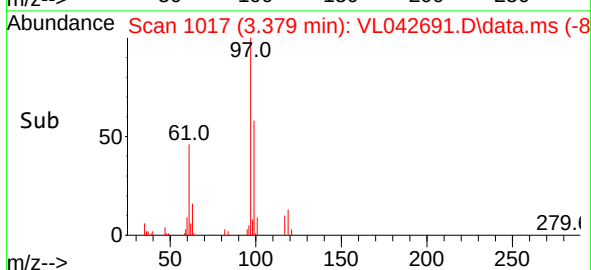
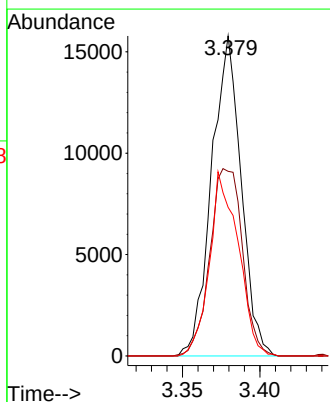
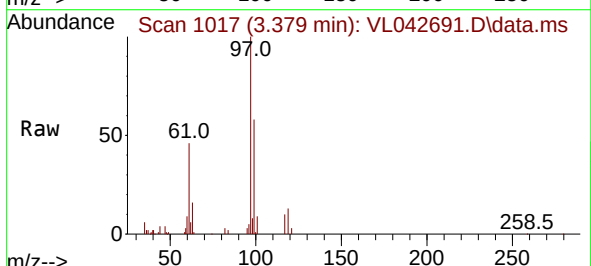
Manual Integrations
 APPROVED

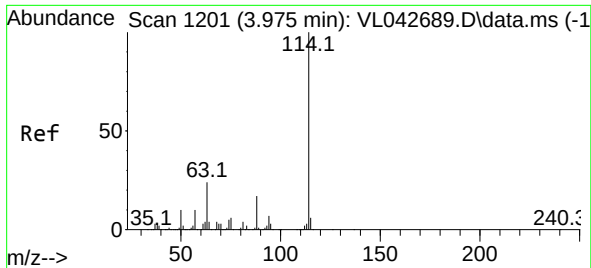
Reviewed By :Semsettin Yesilyurt 07/03/2025
 Supervised By :Mahesh Dadoda 07/03/2025



#32
 1,1,1-Trichloroethane
 Concen: 0.948 ppbv
 RT: 3.379 min Scan# 1017
 Delta R.T. -0.003 min
 Lab File: VL042691.D
 Acq: 02 Jul 2025 09:28

Tgt Ion: 97 Resp: 20910
 Ion Ratio Lower Upper
 97 100
 99 64.5 51.4 77.0
 61 56.1 41.1 61.7





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.968 min Scan# 1199

Delta R.T. -0.006 min

Lab File: VL042691.D

Acq: 02 Jul 2025 09:28

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tgt Ion:114 Resp: 30548

Ion Ratio Lower Upper

114 100

63 25.5 20.4 30.6

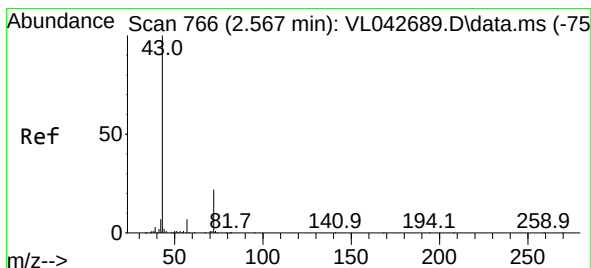
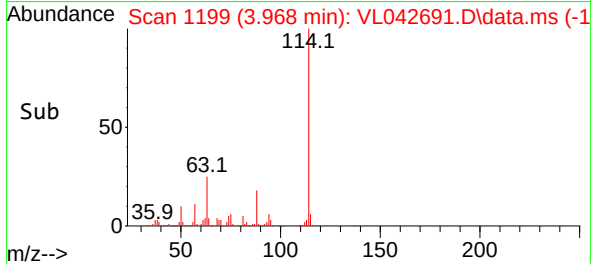
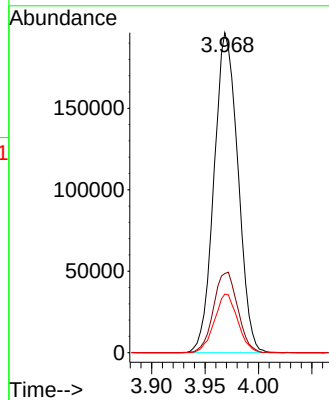
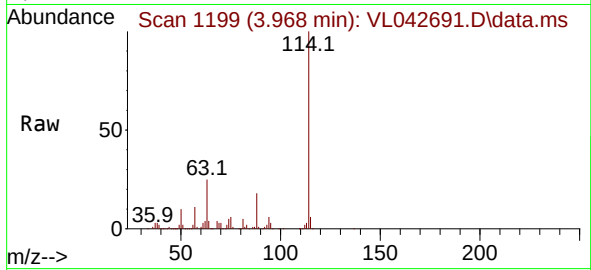
88 17.9 14.2 21.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/03/2025

Supervised By :Mahesh Dadoda 07/03/2025



#34

2-Butanone

Concen: 1.038 ppbv

RT: 2.567 min Scan# 766

Delta R.T. 0.000 min

Lab File: VL042691.D

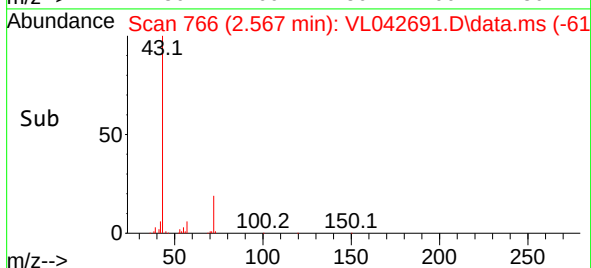
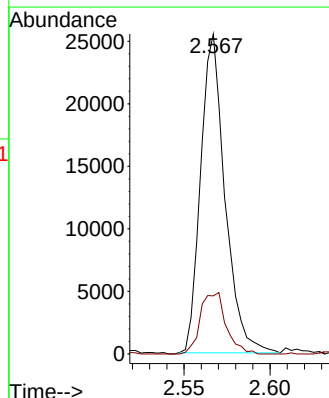
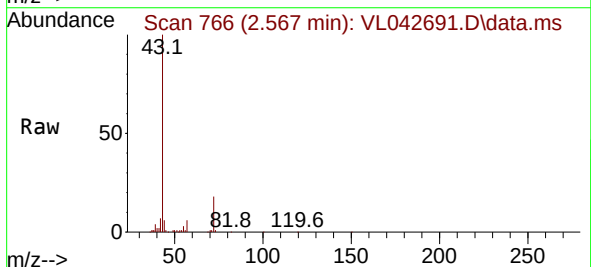
Acq: 02 Jul 2025 09:28

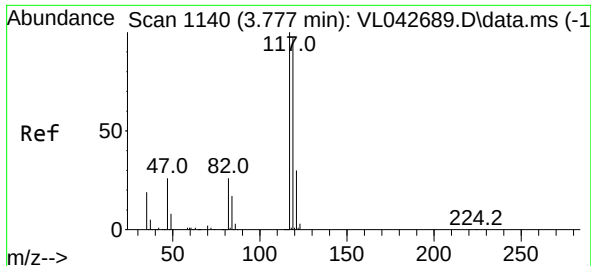
Tgt Ion: 43 Resp: 25091

Ion Ratio Lower Upper

43 100

72 20.3 17.1 25.7





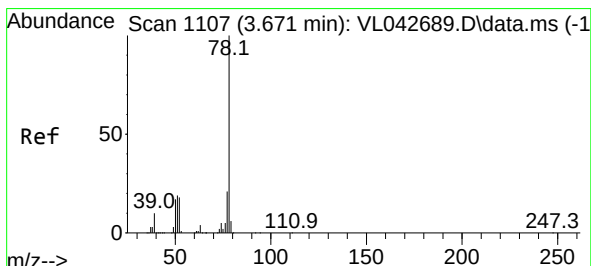
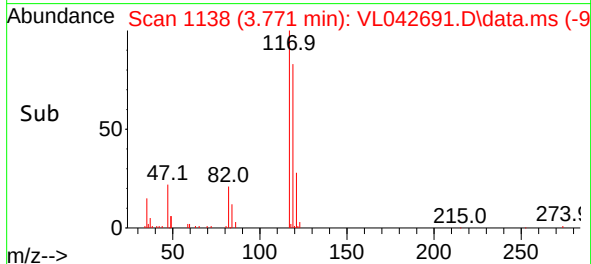
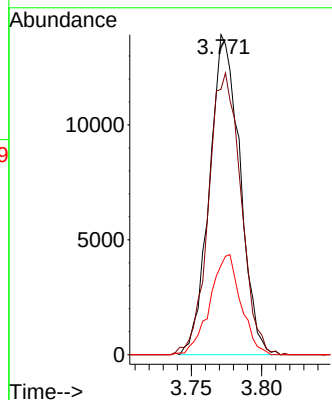
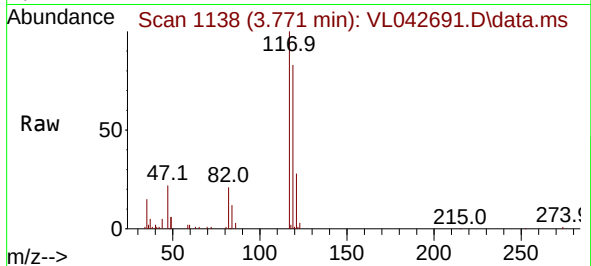
#35
Carbon Tetrachloride
Concen: 0.992 ppbv
RT: 3.771 min Scan# 1140
Delta R.T. -0.006 min
Lab File: VL042691.D
Acq: 02 Jul 2025 09:28

Instrument : MSVOA_L
ClientSampleId : VSTDIC001

Tgt Ion: 117 Resp: 2102
Ion Ratio Lower Upper
117 100
119 82.9 77.6 116.4
121 27.9 24.0 36.0

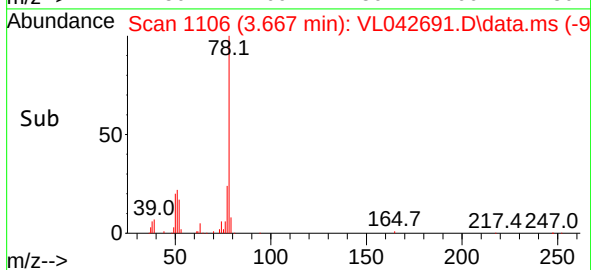
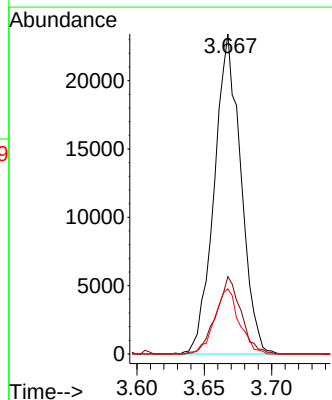
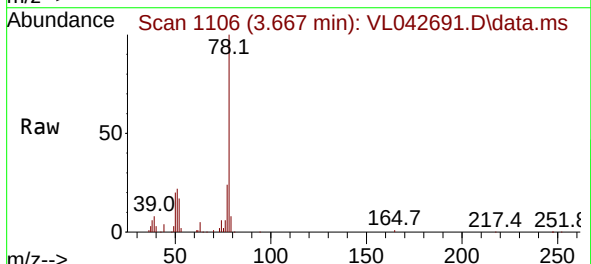
Manual Integrations
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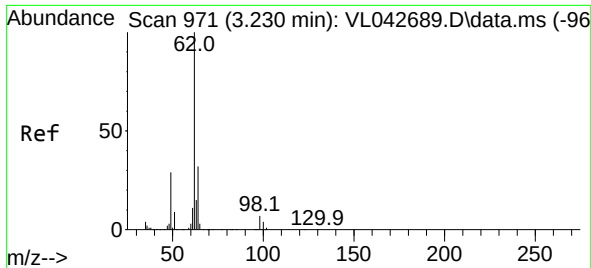
Reviewed By :Semsettin Yesilyurt 07/03/2025
Supervised By :Mahesh Dadoda 07/03/2025



#36
Benzene
Concen: 1.042 ppbv
RT: 3.667 min Scan# 1106
Delta R.T. -0.003 min
Lab File: VL042691.D
Acq: 02 Jul 2025 09:28

Tgt Ion: 78 Resp: 32089
Ion Ratio Lower Upper
78 100
77 24.1 17.0 25.4
50 20.4 13.7 20.5





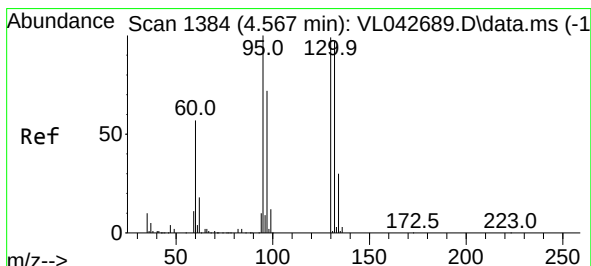
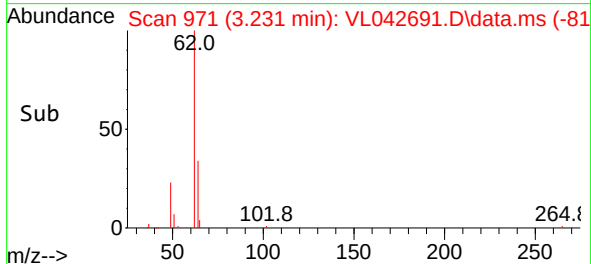
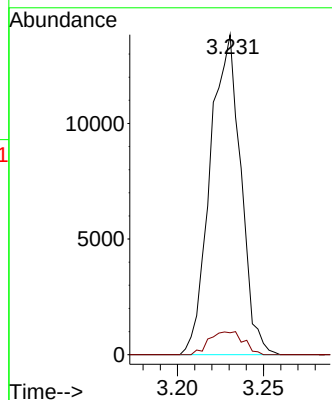
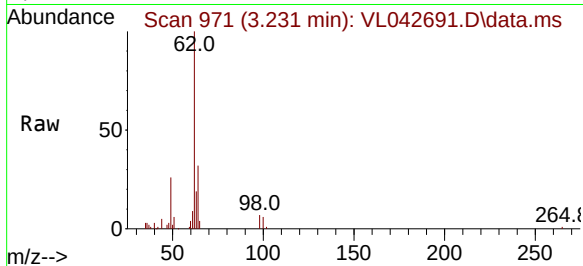
#37
1,2-Dichloroethane
Concen: 1.050 ppbv
RT: 3.231 min Scan# 971
Delta R.T. 0.000 min
Lab File: VL042691.D
Acq: 02 Jul 2025 09:28

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 62 Resp: 17160
Ion Ratio Lower Upper
62 100
98 8.0 5.8 8.8

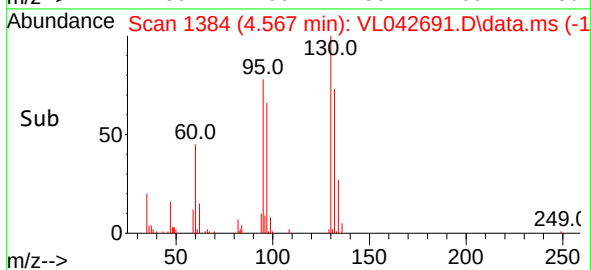
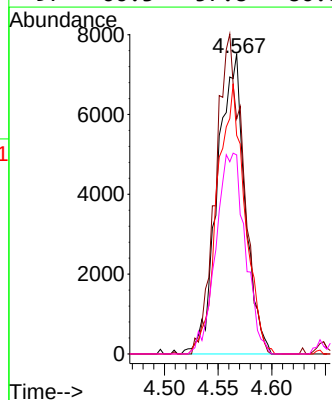
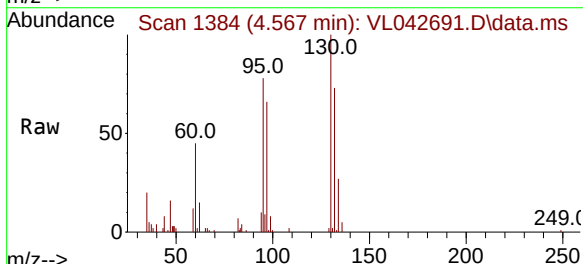
Manual Integrations
APPROVED

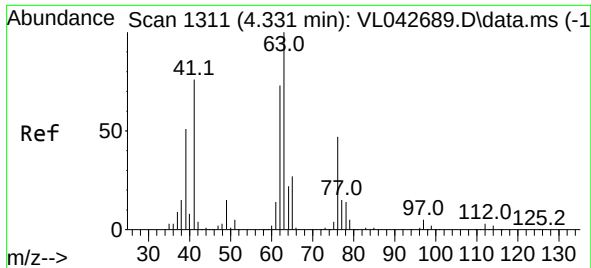
Reviewed By :Semsettin Yesilyurt 07/03/2025
Supervised By :Mahesh Dadoda 07/03/2025



#38
Trichloroethene
Concen: 1.006 ppbv m
RT: 4.567 min Scan# 1384
Delta R.T. 0.000 min
Lab File: VL042691.D
Acq: 02 Jul 2025 09:28

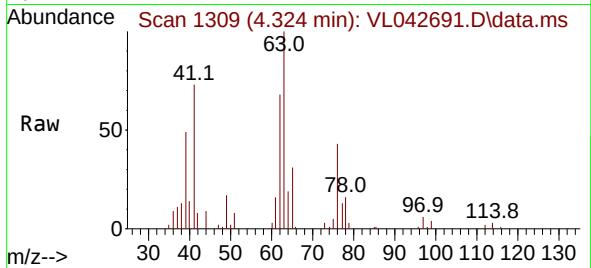
Tgt Ion:130 Resp: 13382
Ion Ratio Lower Upper
130 100
95 78.3 81.1 121.7#
132 72.8 77.9 116.9#
97 66.3 57.8 86.8





#39
1,2-Dichloropropane
Concen: 1.015 ppbv
RT: 4.324 min Scan# 1309
Delta R.T. -0.006 min
Lab File: VL042691.D
Acq: 02 Jul 2025 09:28

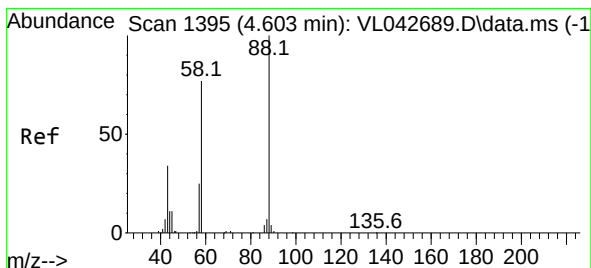
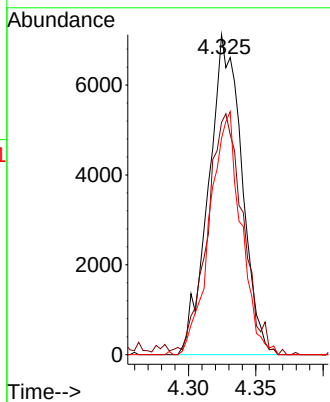
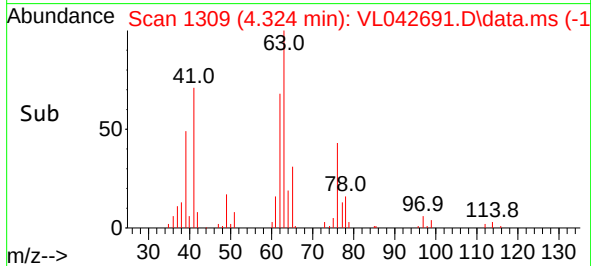
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



Tgt Ion: 63 Resp: 1219
Ion Ratio Lower Upper
63 100
41 72.6 60.8 91.2
62 67.7 58.6 87.8

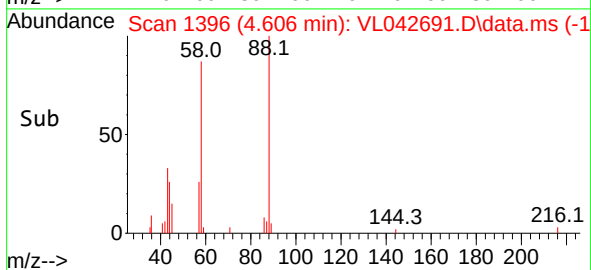
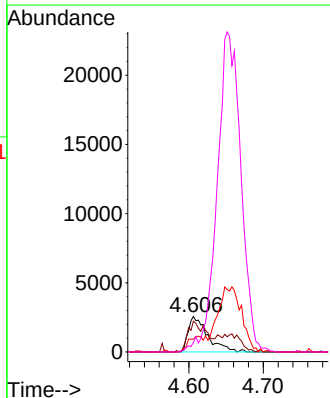
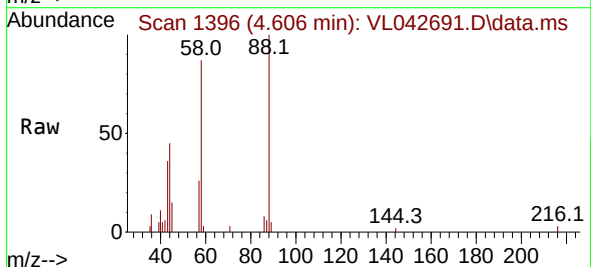
Manual Integrations
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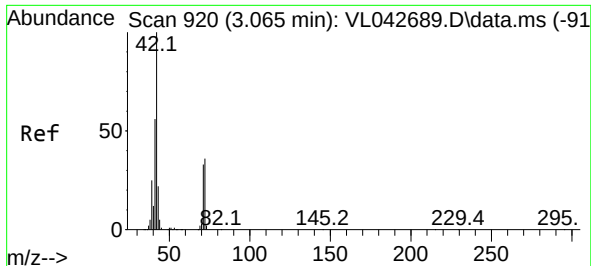
Reviewed By :Semsettin Yesilyurt 07/03/2025
Supervised By :Mahesh Dadoda 07/03/2025



#40
1,4-Dioxane
Concen: 1.009 ppbv m
RT: 4.606 min Scan# 1396
Delta R.T. 0.003 min
Lab File: VL042691.D
Acq: 02 Jul 2025 09:28

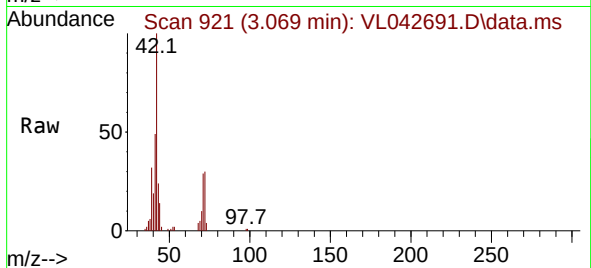
Tgt Ion: 88 Resp: 4659
Ion Ratio Lower Upper
88 100
58 89.2 62.1 93.1
43 0.0 26.2 39.2#
57 0.0 0.0 0.0





#41
Tetrahydrofuran
Concen: 0.951 ppbv
RT: 3.069 min Scan# 91
Delta R.T. 0.003 min
Lab File: VL042691.D
Acq: 02 Jul 2025 09:28

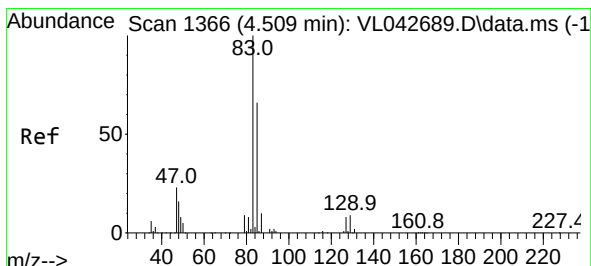
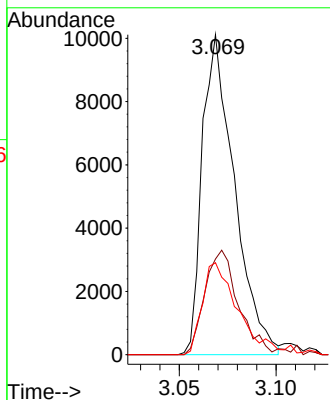
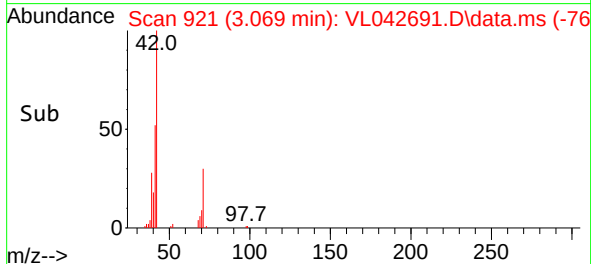
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001



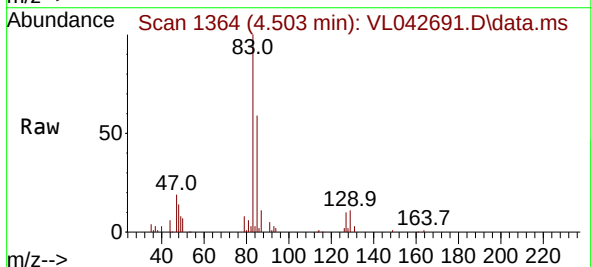
Tgt Ion: 42 Resp: 11715
Ion Ratio Lower Upper
42 100
72 35.4 28.2 42.4
71 32.7 25.4 38.0

Manual Integrations
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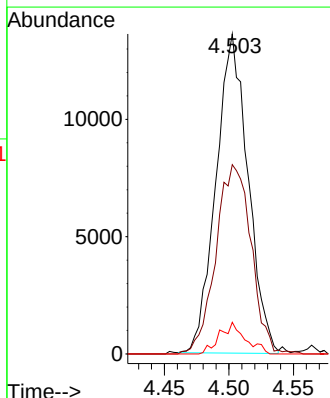
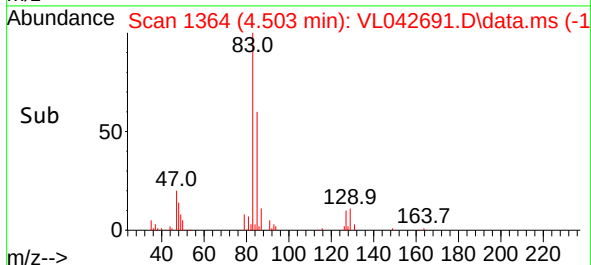
Reviewed By :Semsettin Yesilyurt 07/03/2025
Supervised By :Mahesh Dadoda 07/03/2025

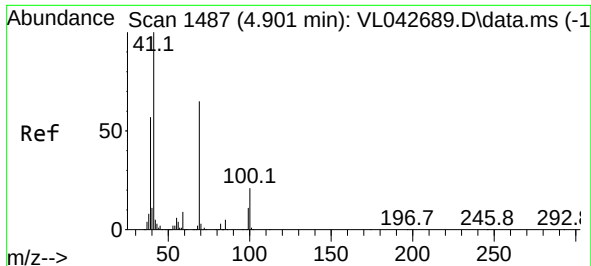


#42
Bromodichloromethane
Concen: 1.013 ppbv
RT: 4.503 min Scan# 1364
Delta R.T. -0.006 min
Lab File: VL042691.D
Acq: 02 Jul 2025 09:28



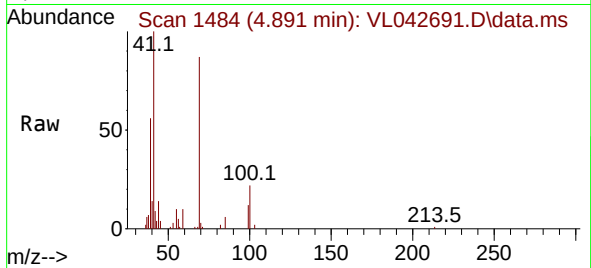
Tgt Ion: 83 Resp: 23463
Ion Ratio Lower Upper
83 100
85 59.4 52.5 78.7
127 9.9 6.1 9.1#





#43
Methyl Methacrylate
Concen: 1.000 ppbv m
RT: 4.891 min Scan# 1487
Delta R.T. -0.010 min
Lab File: VL042691.D
Acq: 02 Jul 2025 09:28

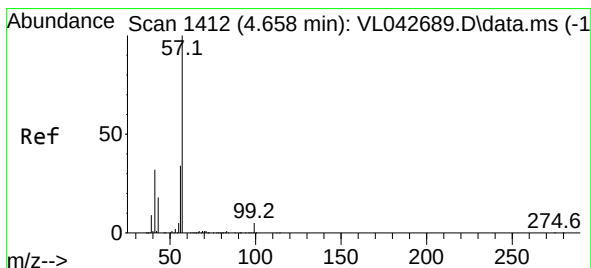
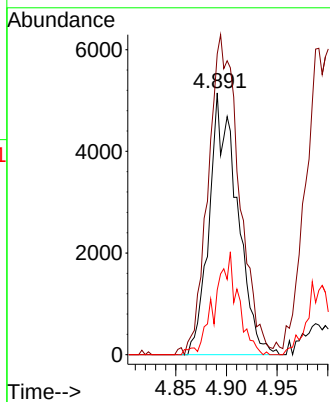
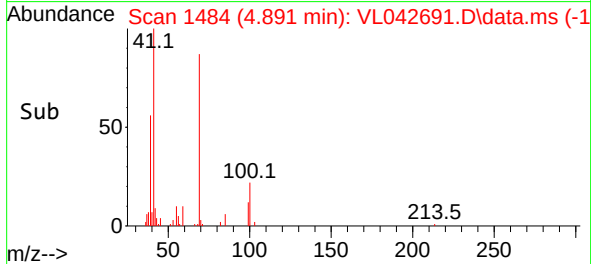
Instrument : MSVOA_L
ClientSampleId : VSTDIC001



Tgt Ion: 69 Resp: 9890
Ion Ratio Lower Upper
69 100
41 136.8 125.4 188.2
100 0.0 26.4 39.6

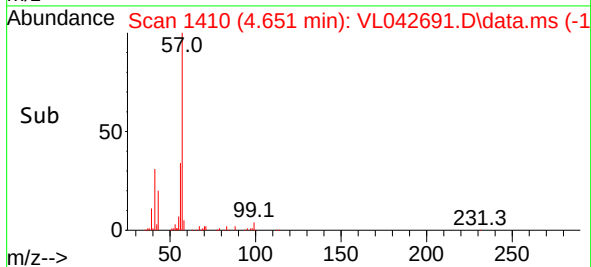
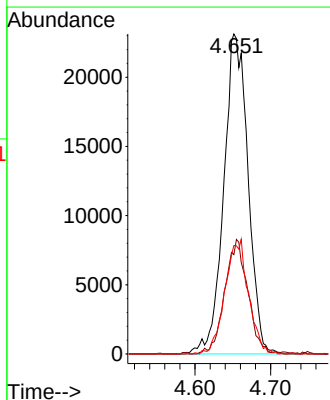
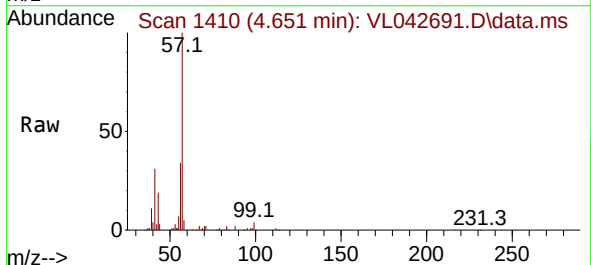
Manual Integrations
APPROVED

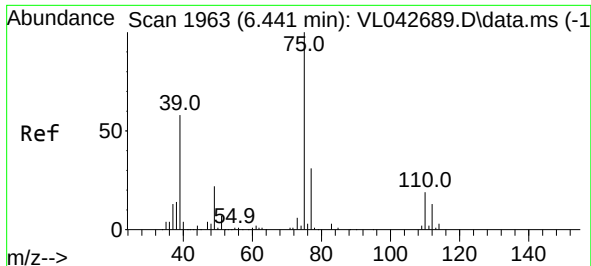
Reviewed By :Semsettin Yesilyurt 07/03/2025
Supervised By :Mahesh Dadoda 07/03/2025



#44
2,2,4-Trimethylpentane
Concen: 1.005 ppbv m
RT: 4.651 min Scan# 1410
Delta R.T. -0.006 min
Lab File: VL042691.D
Acq: 02 Jul 2025 09:28

Tgt Ion: 57 Resp: 51620
Ion Ratio Lower Upper
57 100
41 34.3 25.2 37.8
56 34.5 26.3 39.5





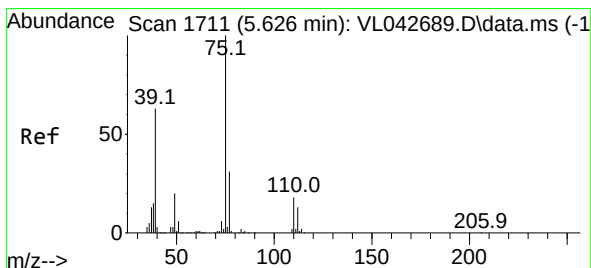
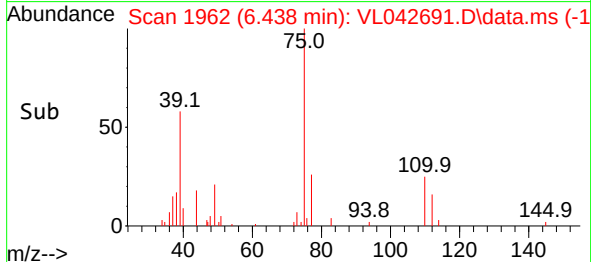
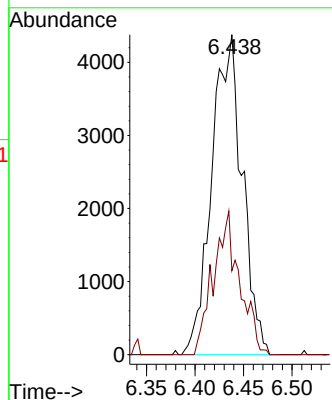
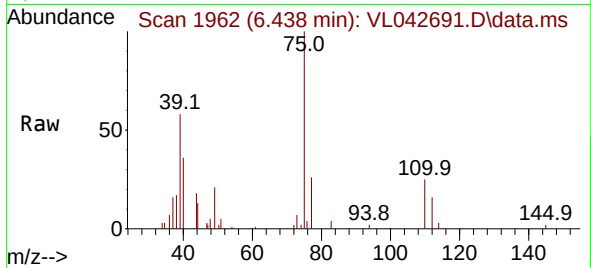
#45
 t-1,3-Dichloropropene
 Concen: 0.924 ppbv m
 RT: 6.438 min Scan# 1709
 Delta R.T. -0.003 min
 Lab File: VL042691.D
 Acq: 02 Jul 2025 09:28

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC001

Tgt Ion: 75 Resp: 960
 Ion Ratio Lower Upper
 75 100
 77 26.2 25.0 37.4

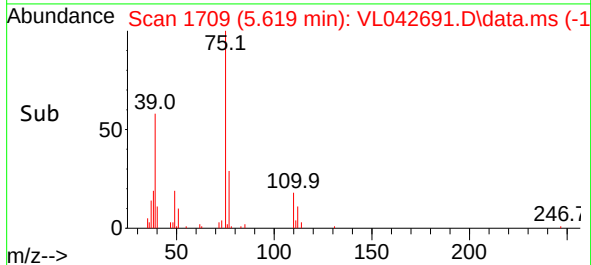
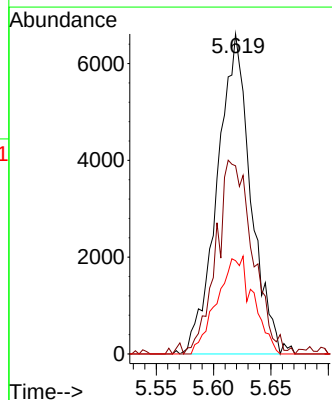
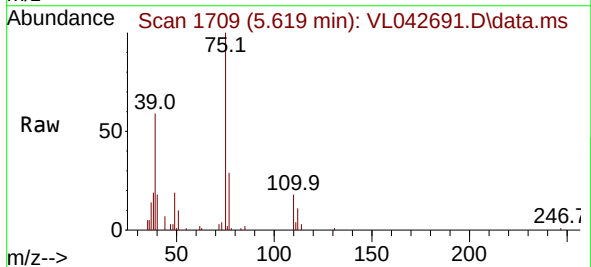
Manual Integrations
 APPROVED

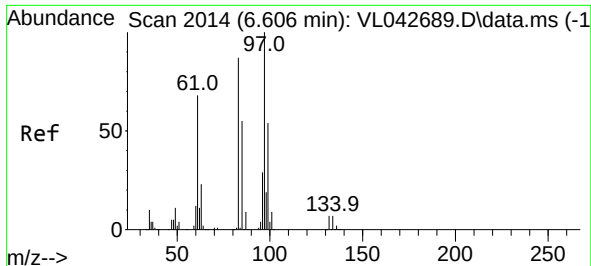
Reviewed By :Semsettin Yesilyurt 07/03/2025
 Supervised By :Mahesh Dadoda 07/03/2025



#46
 cis-1,3-Dichloropropene
 Concen: 0.932 ppbv
 RT: 5.619 min Scan# 1709
 Delta R.T. -0.006 min
 Lab File: VL042691.D
 Acq: 02 Jul 2025 09:28

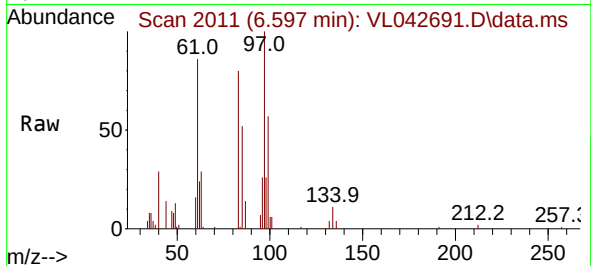
Tgt Ion: 75 Resp: 13366
 Ion Ratio Lower Upper
 75 100
 39 55.4 50.6 75.8
 77 29.2 24.8 37.2





#47
1,1,2-Trichloroethane
Concen: 1.040 ppbv m
RT: 6.597 min Scan# 2011
Delta R.T. -0.010 min
Lab File: VL042691.D
Acq: 02 Jul 2025 09:28

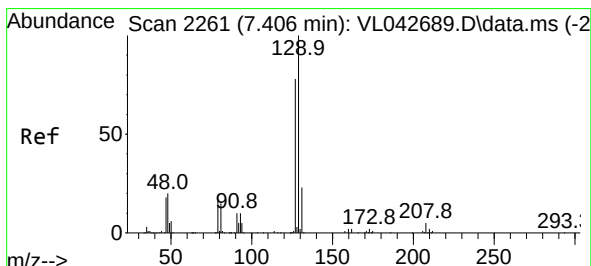
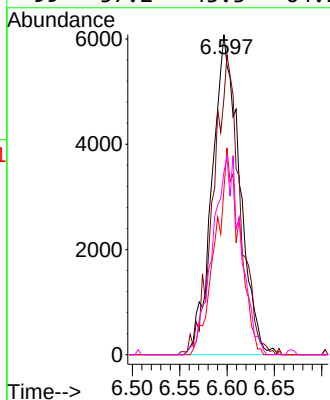
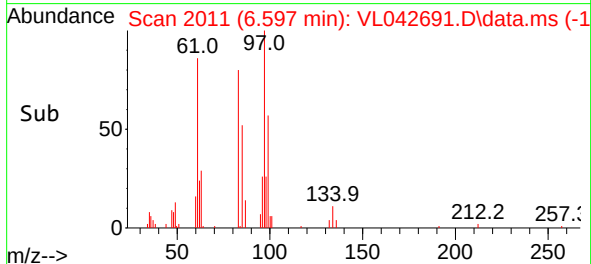
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001



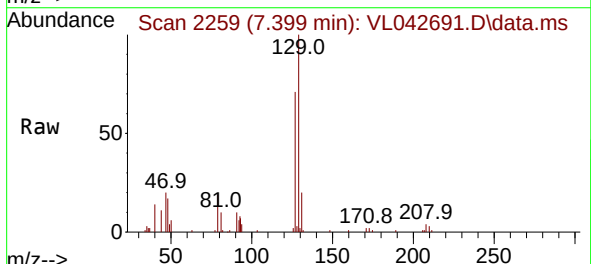
Tgt Ion: 97 Resp: 1230
Ion Ratio Lower Upper
97 100
83 80.1 69.3 103.9
85 51.8 43.7 65.5
99 57.2 43.3 64.9

Manual Integrations
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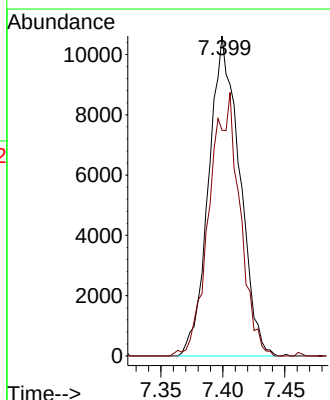
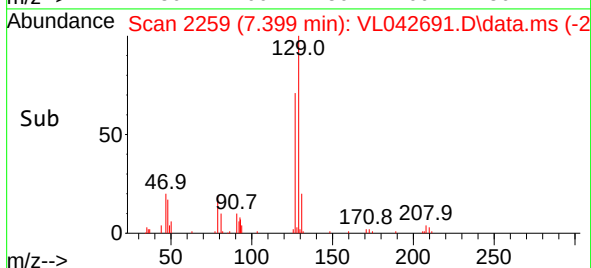
Reviewed By :Semsettin Yesilyurt 07/03/2025
Supervised By :Mahesh Dadoda 07/03/2025

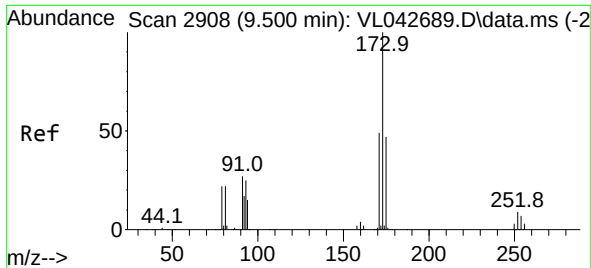


#48
Dibromochloromethane
Concen: 1.019 ppbv
RT: 7.399 min Scan# 2259
Delta R.T. -0.006 min
Lab File: VL042691.D
Acq: 02 Jul 2025 09:28



Tgt Ion:129 Resp: 18446
Ion Ratio Lower Upper
129 100
127 80.9 38.3 114.8





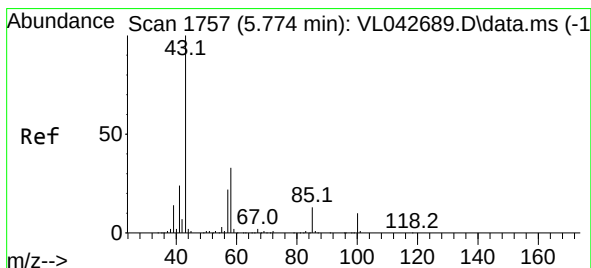
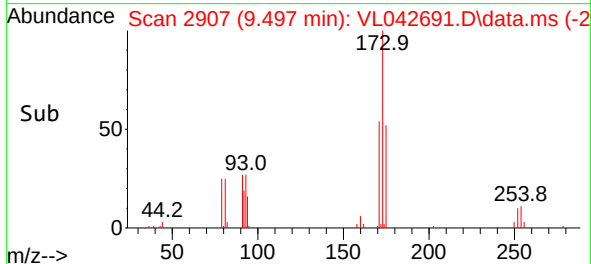
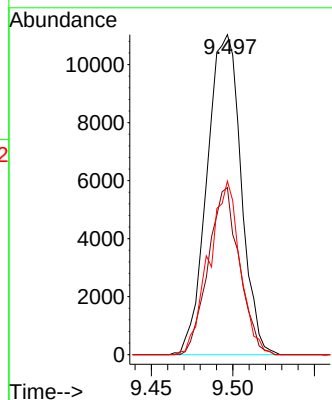
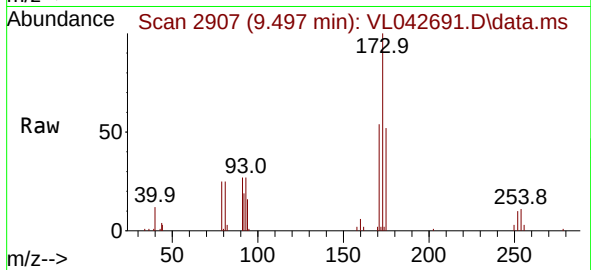
#49
Bromoform
Concen: 1.023 ppbv
RT: 9.497 min Scan# 2908
Delta R.T. -0.003 min
Lab File: VL042691.D
Acq: 02 Jul 2025 09:28

Instrument : MSVOA_L
ClientSampleId : VSTDIC001

Tgt Ion:173 Resp: 16000
Ion Ratio Lower Upper
173 100
175 47.9 38.6 57.8
171 49.7 40.3 60.5

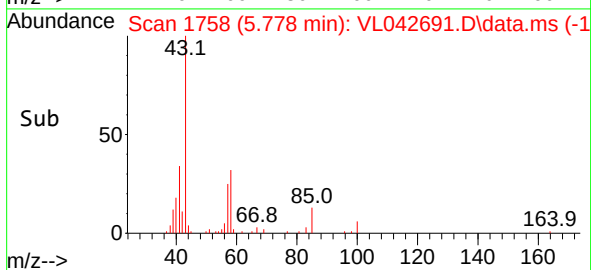
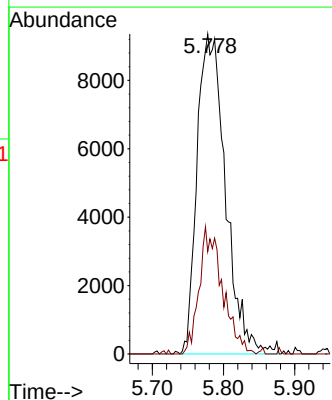
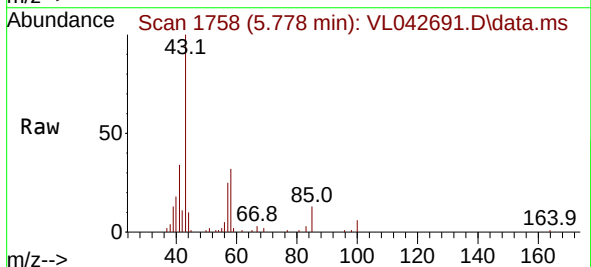
Manual Integrations
APPROVED

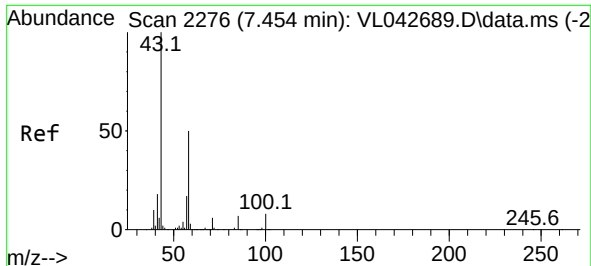
Reviewed By :Semsettin Yesilyurt 07/03/2025
Supervised By :Mahesh Dadoda 07/03/2025



#50
4-Methyl-2-Pentanone
Concen: 0.918 ppbv m
RT: 5.778 min Scan# 1758
Delta R.T. 0.003 min
Lab File: VL042691.D
Acq: 02 Jul 2025 09:28

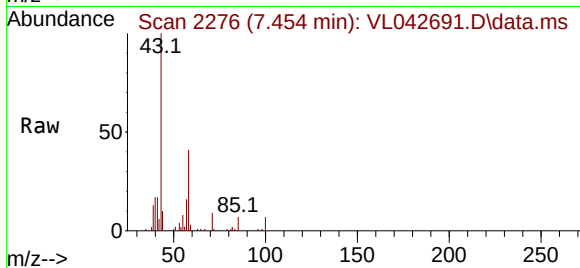
Tgt Ion: 43 Resp: 25940
Ion Ratio Lower Upper
43 100
58 32.9 27.5 41.3





#51
2-Hexanone
Concen: 0.835 ppbv
RT: 7.454 min Scan# 2118
Delta R.T. 0.000 min
Lab File: VL042691.D
Acq: 02 Jul 2025 09:28

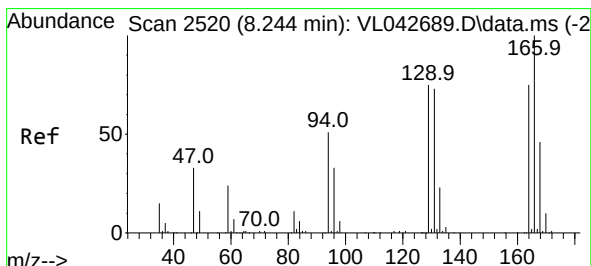
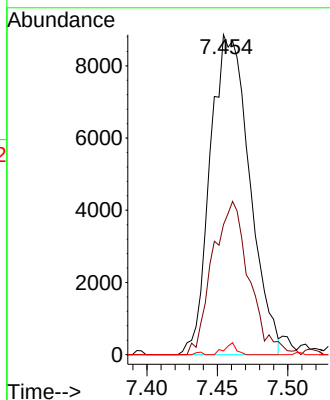
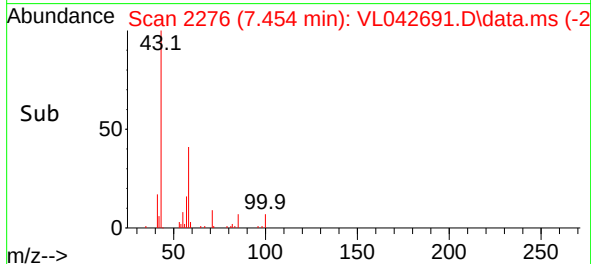
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



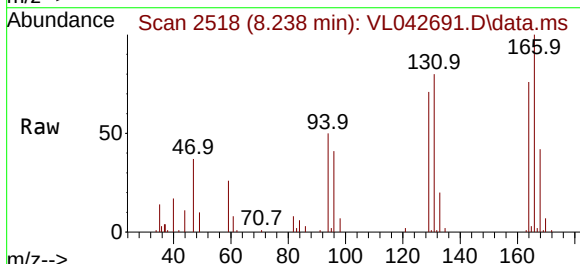
Tgt Ion: 43 Resp: 17230
Ion Ratio Lower Upper
43 100
58 45.2 38.6 57.8
98 1.2 0.6 1.0

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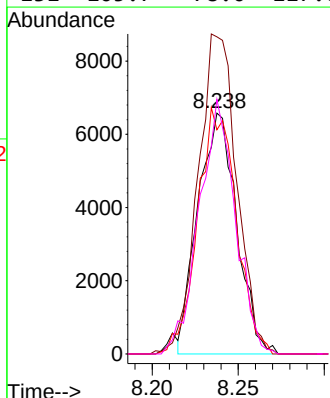
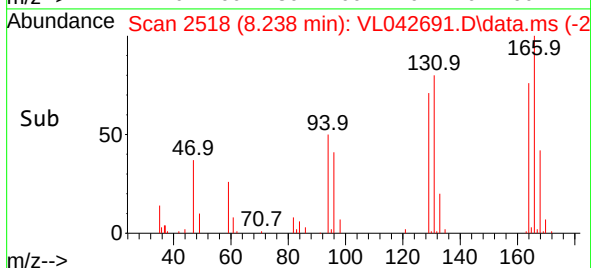
Reviewed By :Semsettin Yesilyurt 07/03/2025
Supervised By :Mahesh Dadoda 07/03/2025

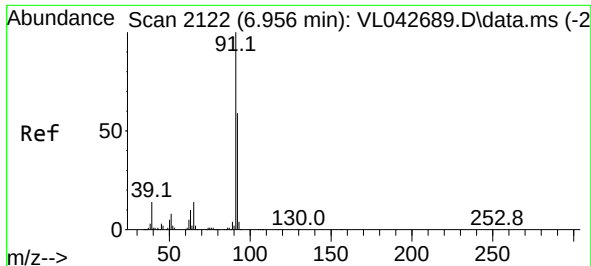


#52
Tetrachloroethene
Concen: 0.998 ppbv
RT: 8.238 min Scan# 2518
Delta R.T. -0.006 min
Lab File: VL042691.D
Acq: 02 Jul 2025 09:28



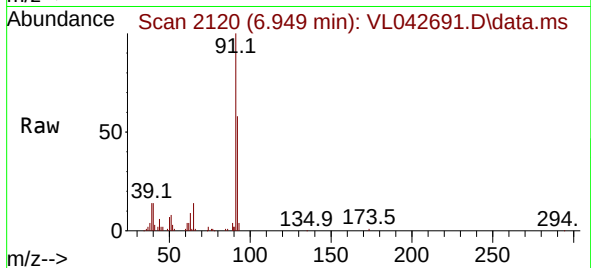
Tgt Ion:164 Resp: 10305
Ion Ratio Lower Upper
164 100
166 131.8 106.6 160.0
129 93.1 79.8 119.6
131 105.7 78.0 117.0





#53
Toluene
Concen: 0.915 ppbv
RT: 6.949 min Scan# 2120
Delta R.T. -0.006 min
Lab File: VL042691.D
Acq: 02 Jul 2025 09:28

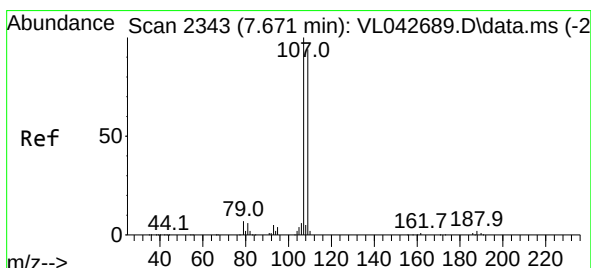
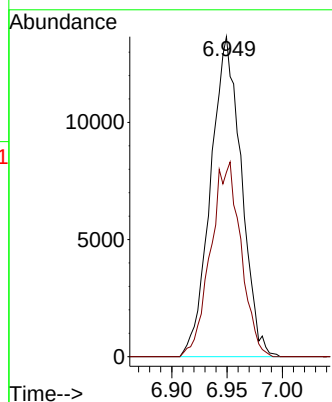
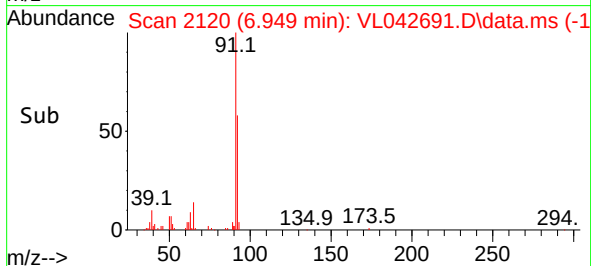
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001



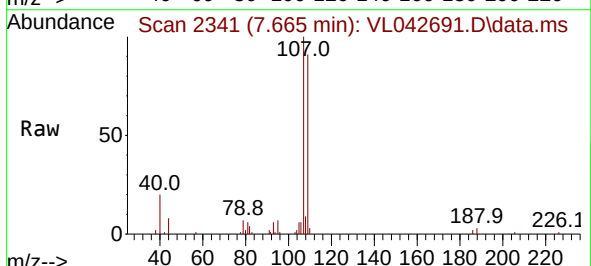
Tgt Ion: 91 Resp: 26314
Ion Ratio Lower Upper
91 100
92 60.1 47.4 71.2

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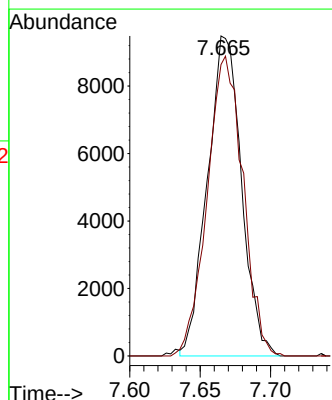
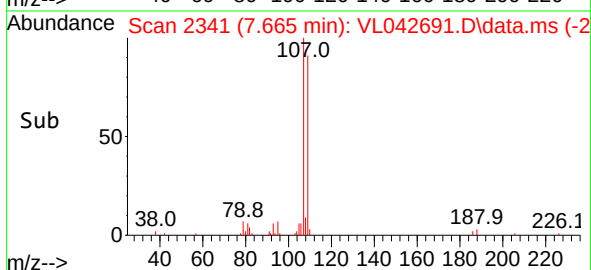
Reviewed By :Semsettin Yesilyurt 07/03/2025
Supervised By :Mahesh Dadoda 07/03/2025

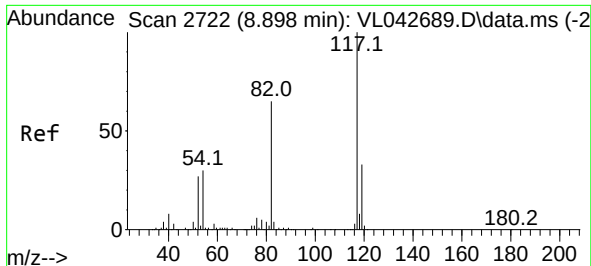


#54
1,2-Dibromoethane
Concen: 0.968 ppbv
RT: 7.665 min Scan# 2341
Delta R.T. -0.006 min
Lab File: VL042691.D
Acq: 02 Jul 2025 09:28



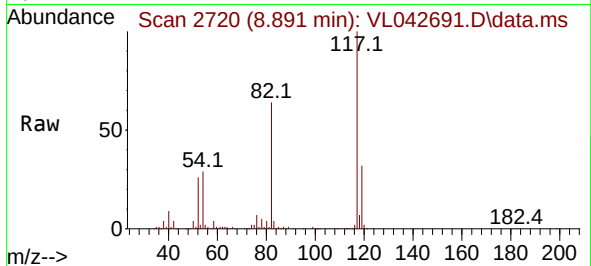
Tgt Ion:107 Resp: 15978
Ion Ratio Lower Upper
107 100
109 90.3 74.8 112.2





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.891 min Scan# 2722
Delta R.T. -0.006 min
Lab File: VL042691.D
Acq: 02 Jul 2025 09:28

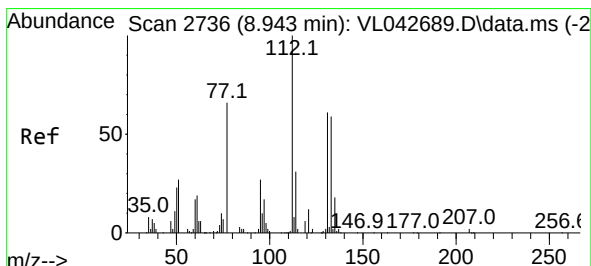
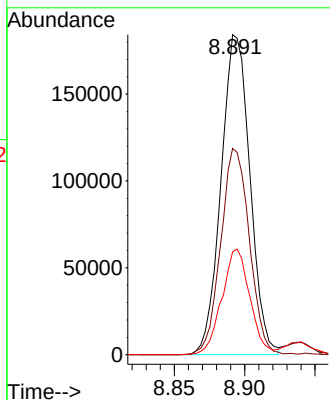
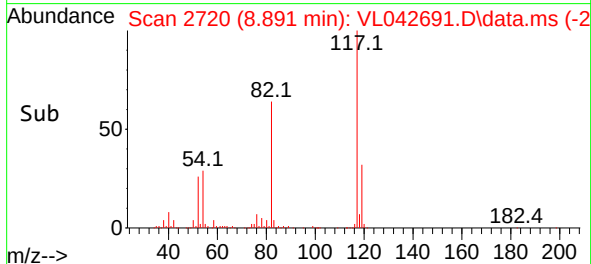
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



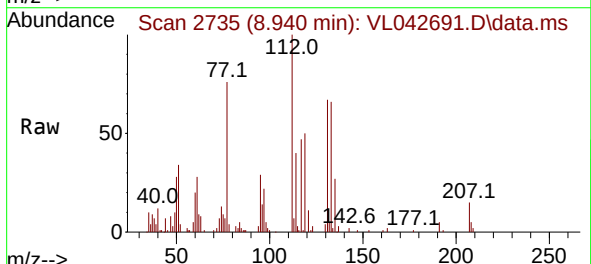
Tgt Ion:117 Resp: 263429
Ion Ratio Lower Upper
117 100
82 64.1 53.4 80.2
119 32.5 26.6 39.8

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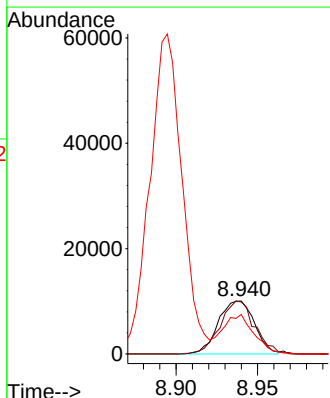
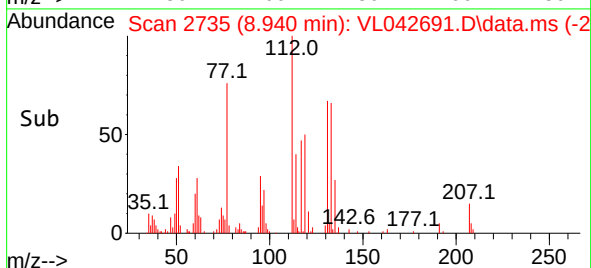
Reviewed By :Semsettin Yesilyurt 07/03/2025
Supervised By :Mahesh Dadoda 07/03/2025

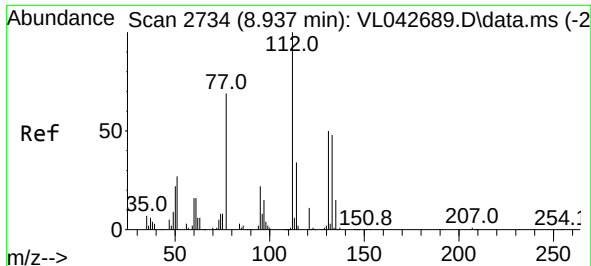


#56
1,1,1,2-Tetrachloroethane
Concen: 1.088 ppbv
RT: 8.940 min Scan# 2735
Delta R.T. -0.003 min
Lab File: VL042691.D
Acq: 02 Jul 2025 09:28



Tgt Ion:131 Resp: 15492
Ion Ratio Lower Upper
131 100
133 95.6 77.3 115.9
119 61.2 52.6 78.8





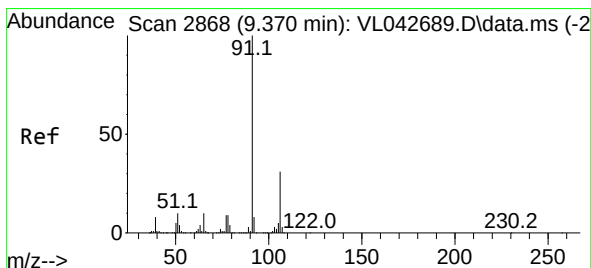
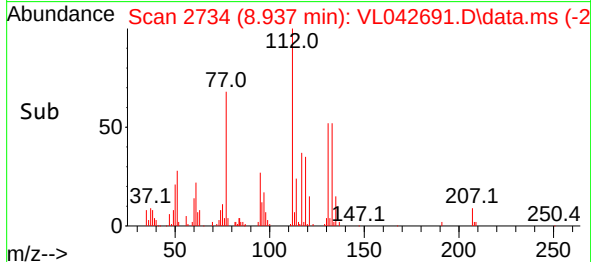
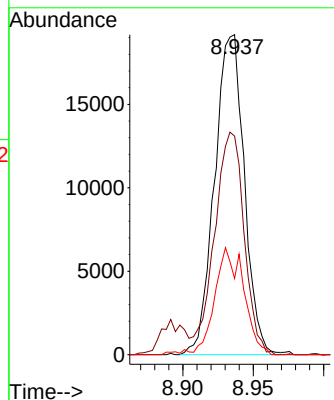
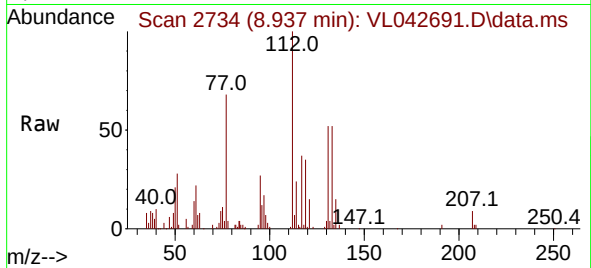
#57
Chlorobenzene
Concen: 1.066 ppbv
RT: 8.937 min Scan# 21
Delta R.T. 0.000 min
Lab File: VL042691.D
Acq: 02 Jul 2025 09:28

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 112 Resp: 28160
Ion Ratio Lower Upper
112 100
77 68.3 56.2 84.4
114 23.8 30.2 37.0

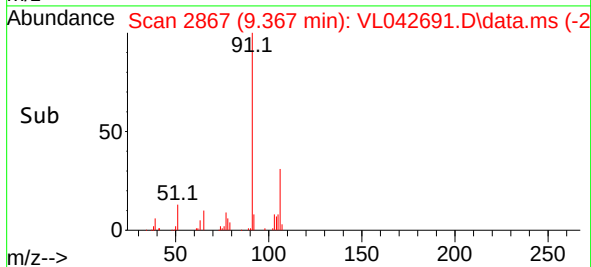
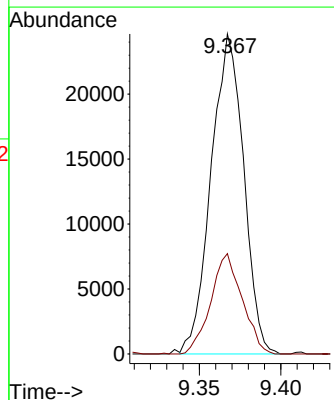
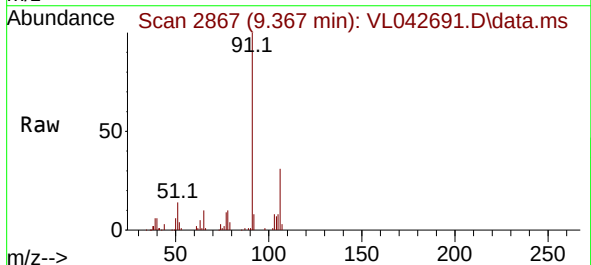
Manual Integrations
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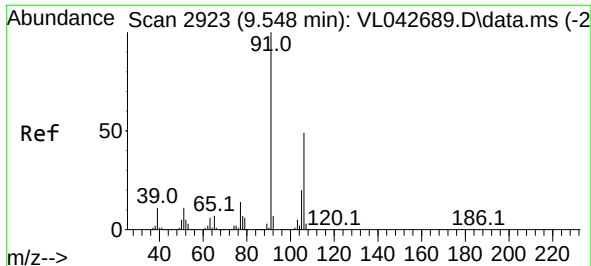
Reviewed By :Semsettin Yesilyurt 07/03/2025
Supervised By :Mahesh Dadoda 07/03/2025



#58
Ethyl Benzene
Concen: 0.897 ppbv
RT: 9.367 min Scan# 2867
Delta R.T. -0.003 min
Lab File: VL042691.D
Acq: 02 Jul 2025 09:28

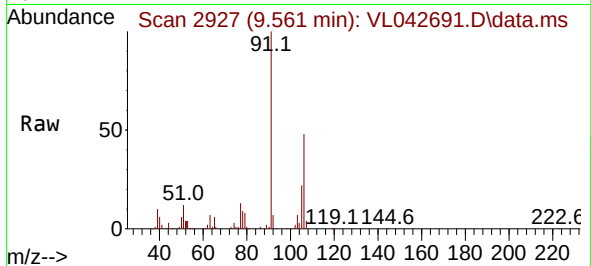
Tgt Ion: 91 Resp: 34160
Ion Ratio Lower Upper
91 100
106 31.3 24.9 37.3





#59
m/p-Xylene
Concen: 1.901 ppbv m
RT: 9.561 min Scan# 2923
Delta R.T. 0.013 min
Lab File: VL042691.D
Acq: 02 Jul 2025 09:28

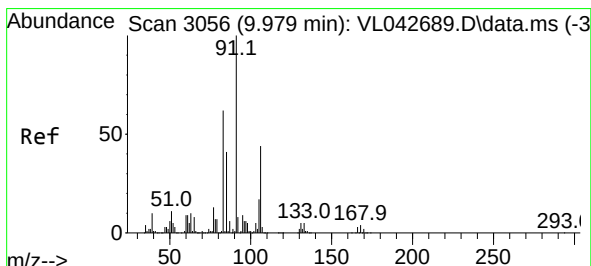
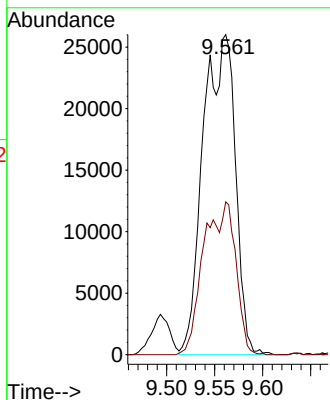
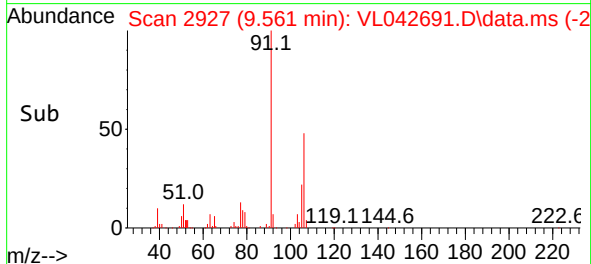
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001



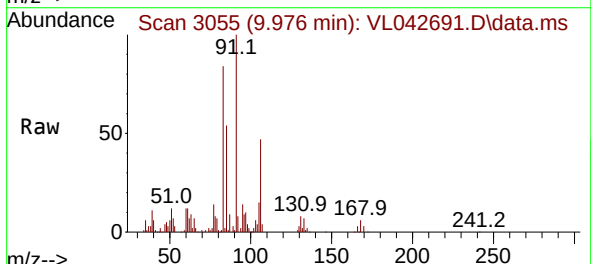
Tgt Ion: 91 Resp: 60678
Ion Ratio Lower Upper
91 100
106 0.0 37.6 56.4

Manual Integrations
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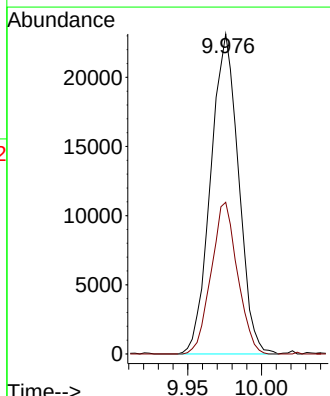
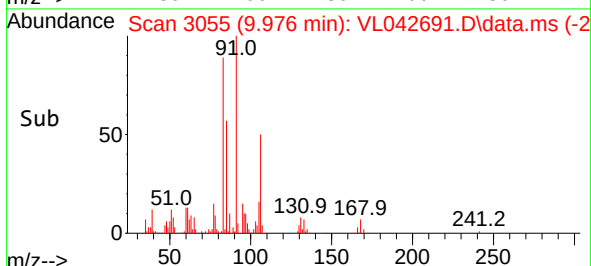
Reviewed By :Semsettin Yesilyurt 07/03/2025
Supervised By :Mahesh Dadoda 07/03/2025

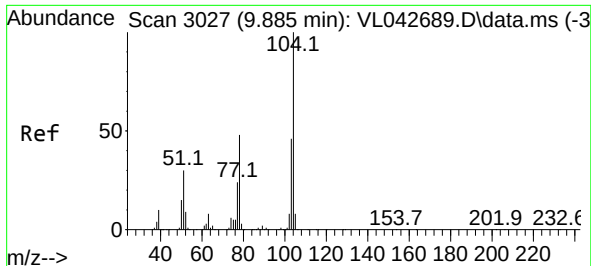


#60
o-Xylene
Concen: 0.969 ppbv
RT: 9.976 min Scan# 3055
Delta R.T. -0.003 min
Lab File: VL042691.D
Acq: 02 Jul 2025 09:28



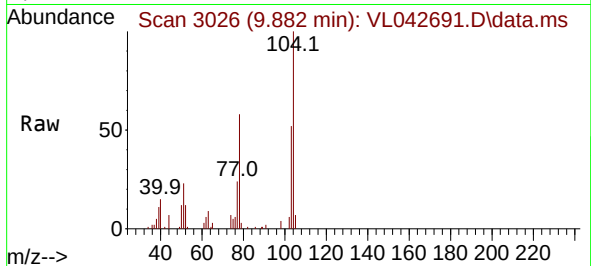
Tgt Ion: 91 Resp: 30409
Ion Ratio Lower Upper
91 100
106 44.7 22.8 68.4





#61
Styrene
Concen: 0.837 ppbv
RT: 9.882 min Scan# 3027
Delta R.T. -0.003 min
Lab File: VL042691.D
Acq: 02 Jul 2025 09:28

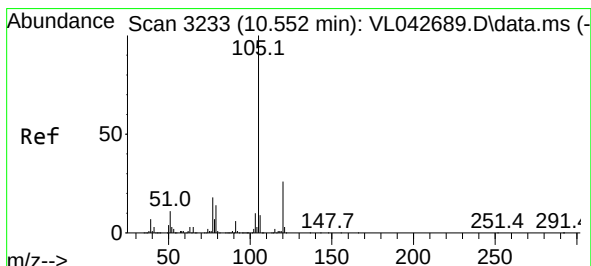
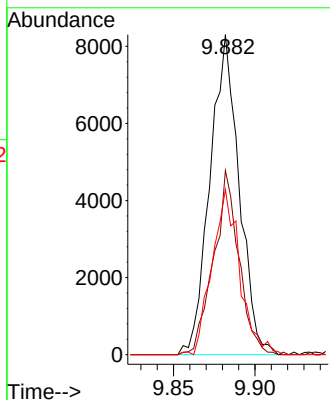
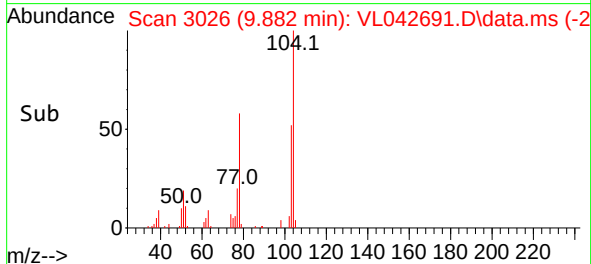
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



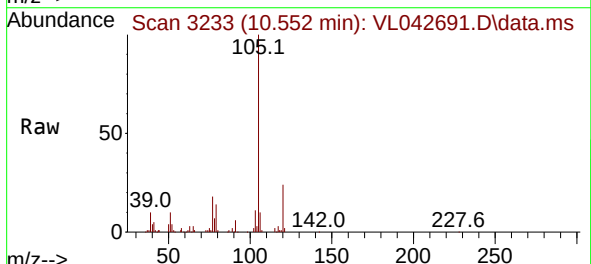
Tgt Ion:104 Resp: 1032
Ion Ratio Lower Upper
104 100
78 50.0 39.0 58.6
103 49.2 37.4 56.0

Manual Integrations
APPROVED

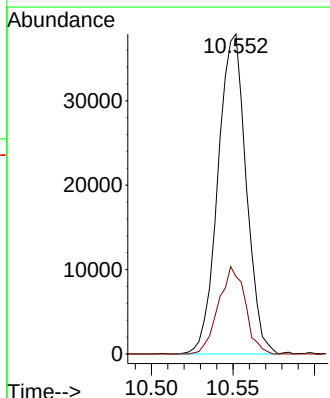
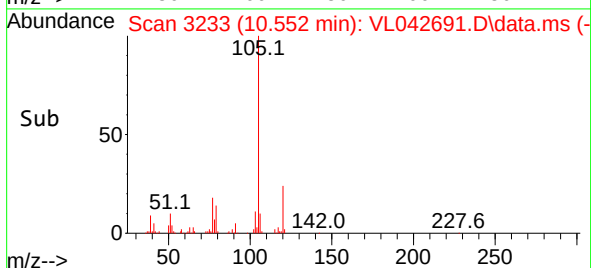
Reviewed By :Semsettin Yesilyurt 07/03/2025
Supervised By :Mahesh Dadoda 07/03/2025

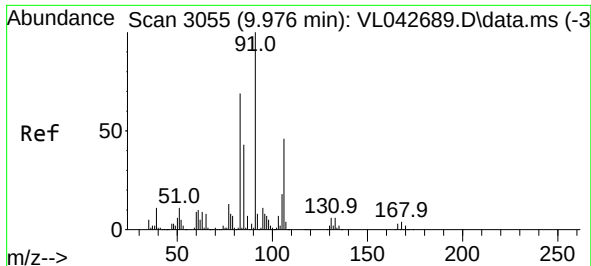


#62
Isopropylbenzene
Concen: 0.963 ppbv
RT: 10.552 min Scan# 3233
Delta R.T. 0.000 min
Lab File: VL042691.D
Acq: 02 Jul 2025 09:28



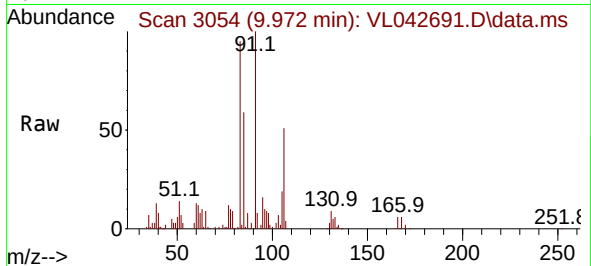
Tgt Ion:105 Resp: 45619
Ion Ratio Lower Upper
105 100
120 25.8 20.6 31.0





#63
1,1,2,2-Tetrachloroethane
Concen: 1.036 ppbv
RT: 9.972 min Scan# 3055
Delta R.T. -0.003 min
Lab File: VL042691.D
Acq: 02 Jul 2025 09:28

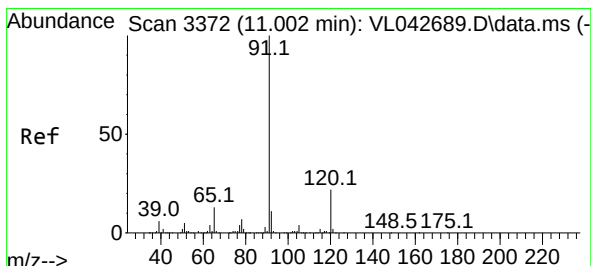
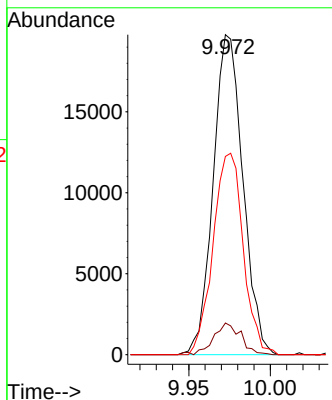
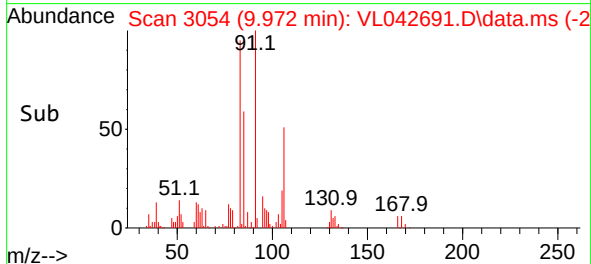
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



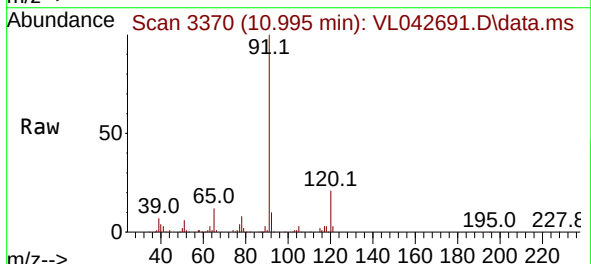
Tgt Ion: 83 Resp: 2504
Ion Ratio Lower Upper
83 100
131 9.2 4.5 13.4
85 63.8 31.5 94.5

Manual Integrations
APPROVED

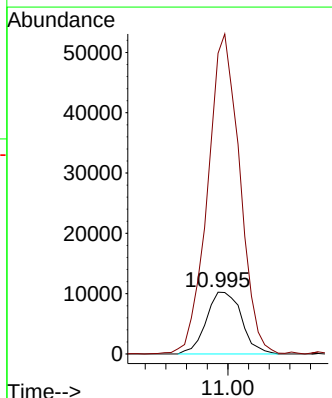
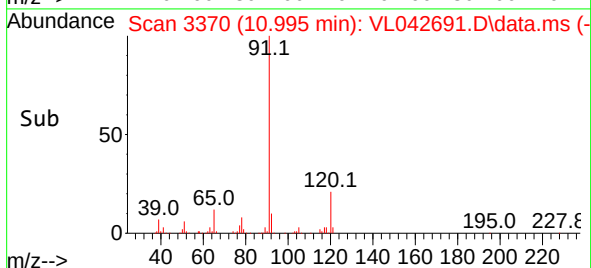
Reviewed By :Semsettin Yesilyurt 07/03/2025
Supervised By :Mahesh Dadoda 07/03/2025

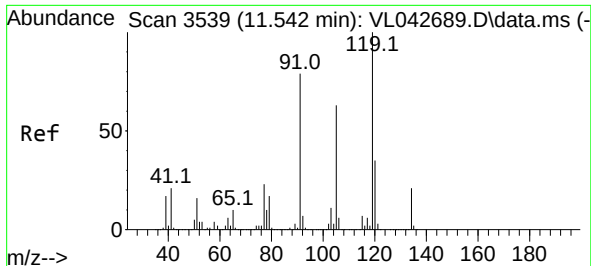


#64
n-propylbenzene
Concen: 0.998 ppbv
RT: 10.995 min Scan# 3370
Delta R.T. -0.006 min
Lab File: VL042691.D
Acq: 02 Jul 2025 09:28



Tgt Ion:120 Resp: 12111
Ion Ratio Lower Upper
120 100
91 473.1 377.8 566.8





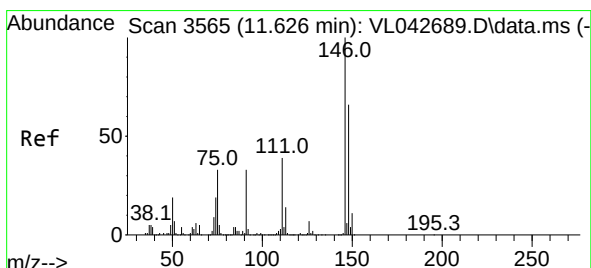
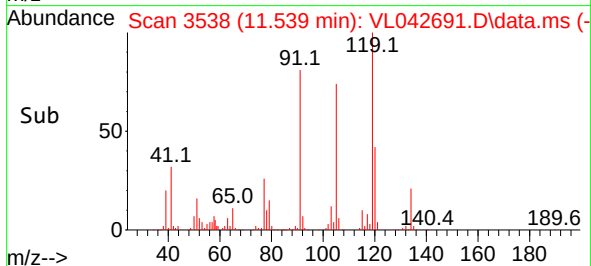
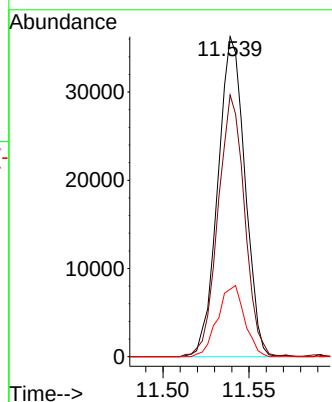
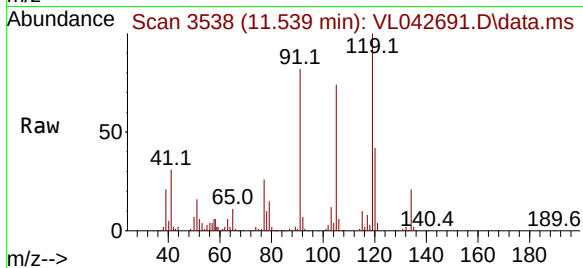
#65
tert-Butylbenzene
Concen: 0.979 ppbv
RT: 11.539 min Scan# 3538
Delta R.T. -0.003 min
Lab File: VL042691.D
Acq: 02 Jul 2025 09:28

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion: 119 Resp: 39720
Ion Ratio Lower Upper
119 100
91 80.4 62.6 93.8
134 22.1 16.9 25.3

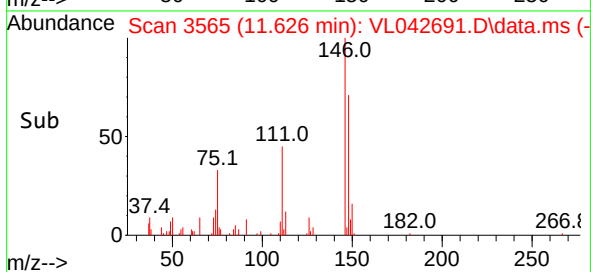
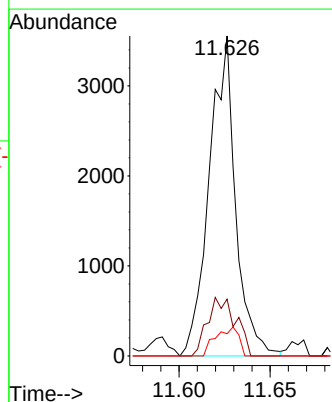
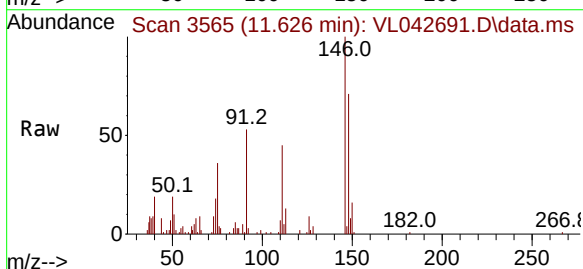
Manual Integrations
APPROVED

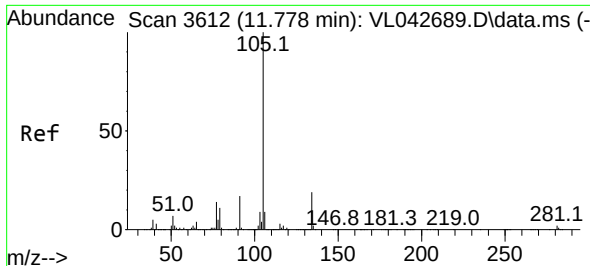
Reviewed By :Semsettin Yesilyurt 07/03/2025
Supervised By :Mahesh Dadoda 07/03/2025



#66
Benzyl Chloride
Concen: 0.909 ppbv
RT: 11.626 min Scan# 3565
Delta R.T. 0.000 min
Lab File: VL042691.D
Acq: 02 Jul 2025 09:28

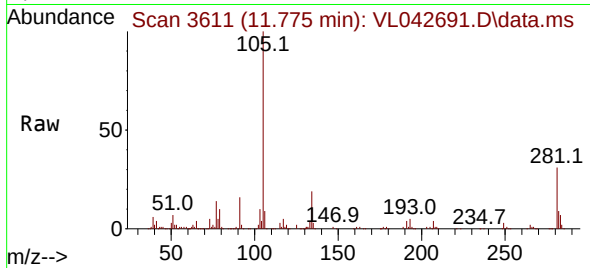
Tgt Ion: 91 Resp: 3571
Ion Ratio Lower Upper
91 100
126 19.6 14.8 22.2
128 7.9 4.7 7.1#





#67
 sec-Butylbenzene
 Concen: 1.033 ppbv
 RT: 11.775 min Scan# 3611
 Delta R.T. -0.003 min
 Lab File: VL042691.D
 Acq: 02 Jul 2025 09:28

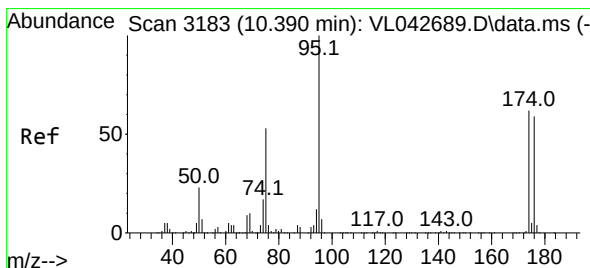
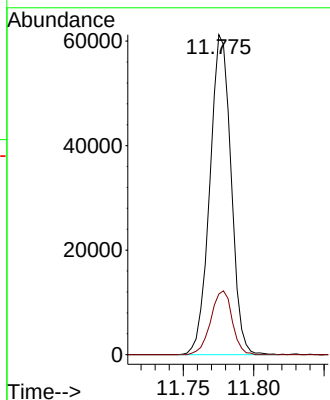
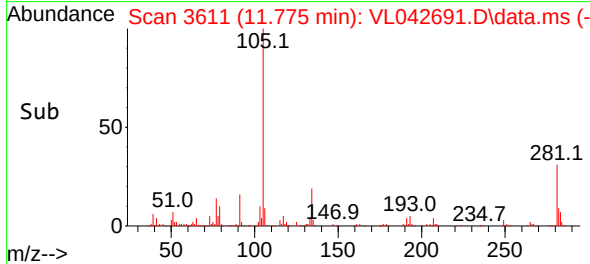
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001



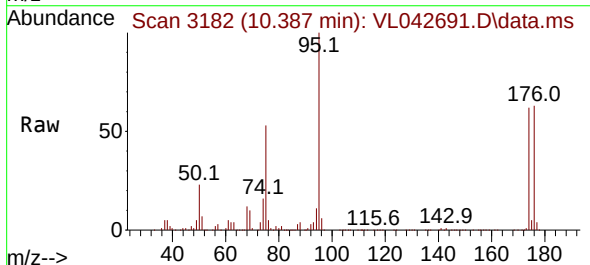
Tgt Ion: 105 Resp: 6420
 Ion Ratio Lower Upper
 105 100
 134 20.1 15.0 22.6

Manual Integrations
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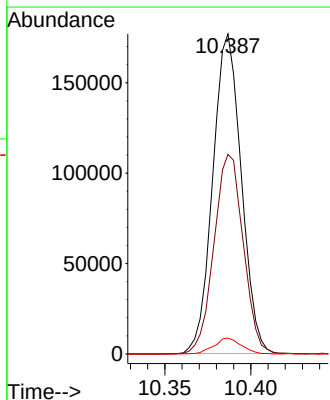
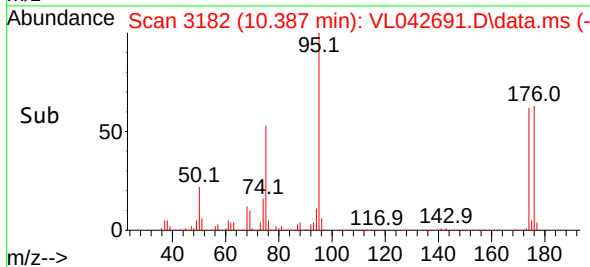
Reviewed By :Semsettin Yesilyurt 07/03/2025
 Supervised By :Mahesh Dadoda 07/03/2025

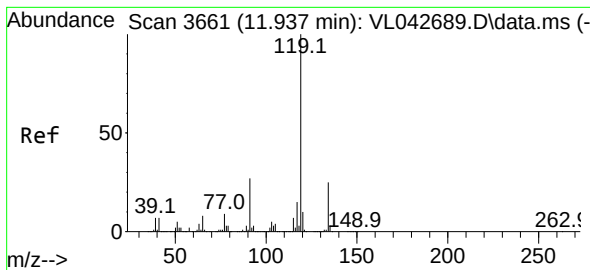


#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.040 ppbv
 RT: 10.387 min Scan# 3182
 Delta R.T. -0.003 min
 Lab File: VL042691.D
 Acq: 02 Jul 2025 09:28



Tgt Ion: 95 Resp: 203435
 Ion Ratio Lower Upper
 95 100
 174 64.4 51.2 76.8
 175 4.8 3.8 5.8





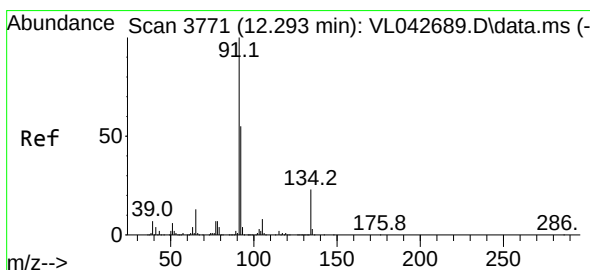
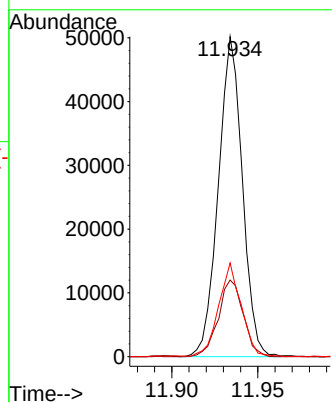
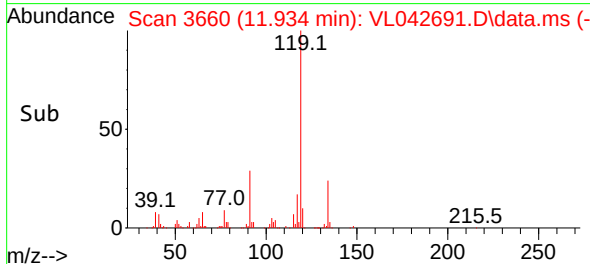
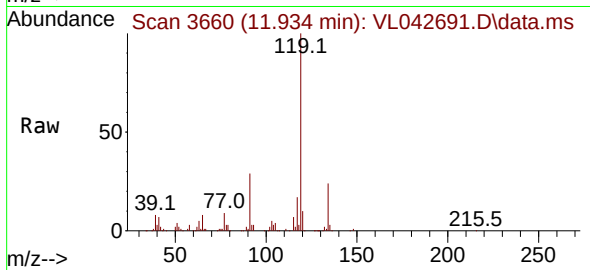
#69
p-Isopropyltoluene
Concen: 0.986 ppbv
RT: 11.934 min Scan# 3660
Delta R.T. -0.003 min
Lab File: VL042691.D
Acq: 02 Jul 2025 09:28

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion: 119 Resp: 48735
Ion Ratio Lower Upper
119 100
134 24.8 20.6 31.0
91 28.3 21.4 32.2

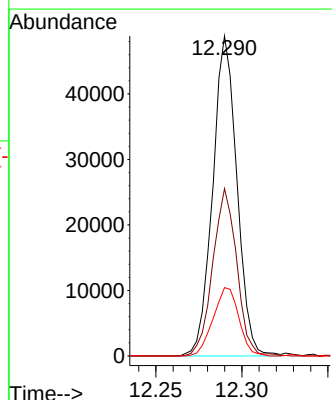
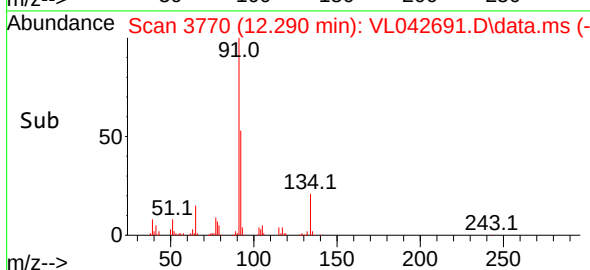
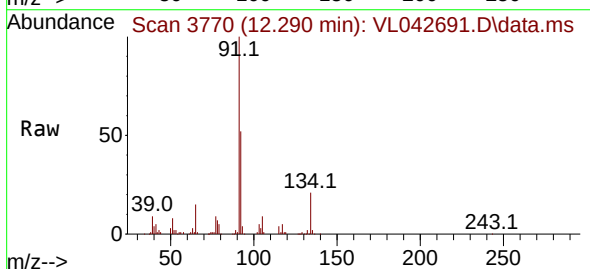
Manual Integrations
APPROVED

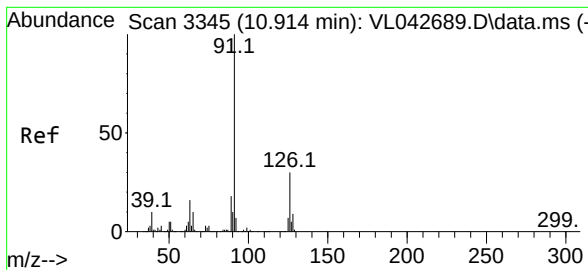
Reviewed By :Semsettin Yesilyurt 07/03/2025
Supervised By :Mahesh Dadoda 07/03/2025



#70
n-Butylbenzene
Concen: 0.960 ppbv
RT: 12.290 min Scan# 3770
Delta R.T. -0.003 min
Lab File: VL042691.D
Acq: 02 Jul 2025 09:28

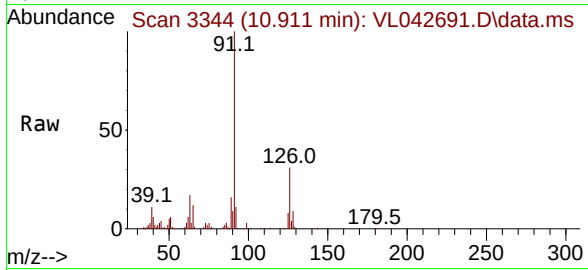
Tgt Ion: 91 Resp: 47831
Ion Ratio Lower Upper
91 100
92 51.8 44.2 66.2
134 22.9 18.6 27.8





#71
2-Chlorotoluene
Concen: 0.961 ppbv
RT: 10.911 min Scan# 31
Delta R.T. -0.003 min
Lab File: VL042691.D
Acq: 02 Jul 2025 09:28

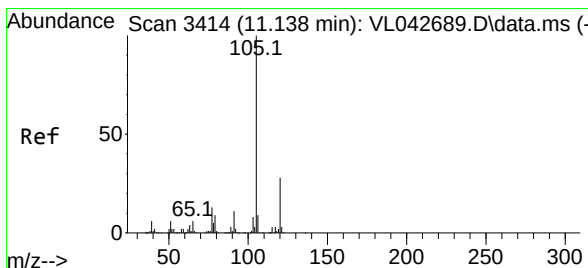
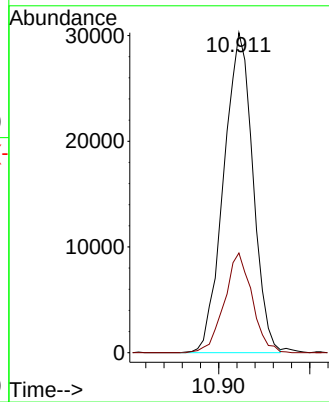
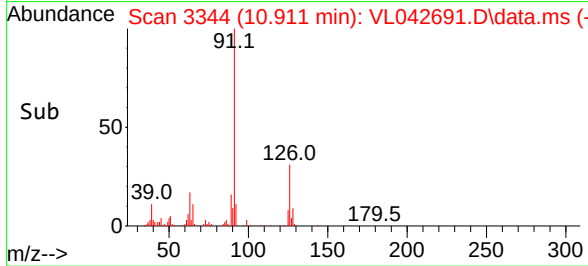
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001



Tgt Ion: 91 Resp: 33670
Ion Ratio Lower Upper
91 100
126 29.6 11.8 47.4

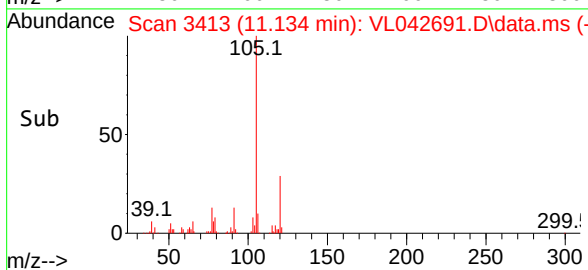
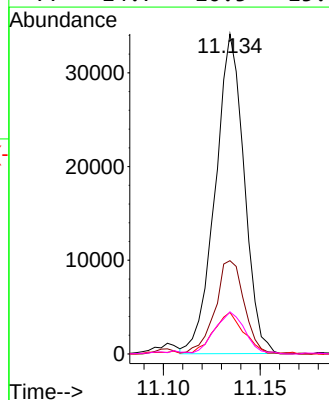
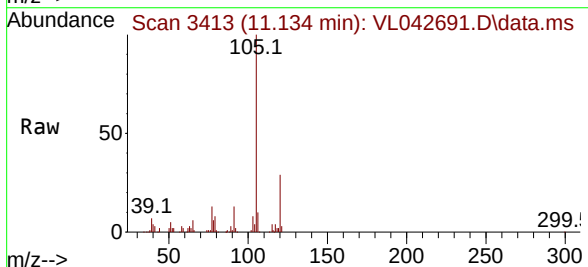
Manual Integrations
APPROVED

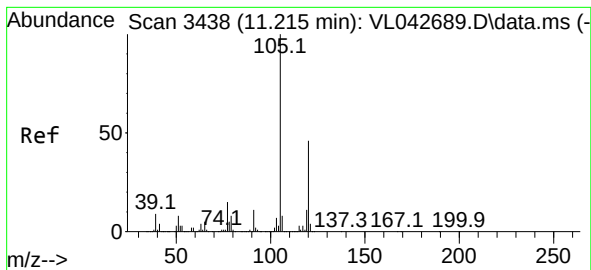
Reviewed By :Semsettin Yesilyurt 07/03/2025
Supervised By :Mahesh Dadoda 07/03/2025



#72
4-Ethyltoluene
Concen: 0.923 ppbv
RT: 11.134 min Scan# 3413
Delta R.T. -0.003 min
Lab File: VL042691.D
Acq: 02 Jul 2025 09:28

Tgt Ion:105 Resp: 35361
Ion Ratio Lower Upper
105 100
120 30.5 23.8 35.6
91 14.6 9.7 14.5#
77 14.7 10.5 15.7





#73

1,3,5-Trimethylbenzene

Concen: 0.974 ppbv

RT: 11.215 min Scan# 3438

Delta R.T. 0.000 min

Lab File: VL042691.D

Acq: 02 Jul 2025 09:28

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC001

Tgt Ion:105 Resp: 3146

Ion Ratio Lower Upper

105 100

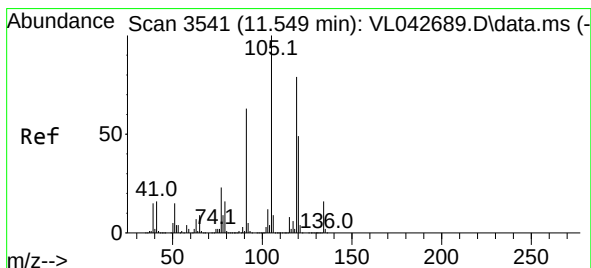
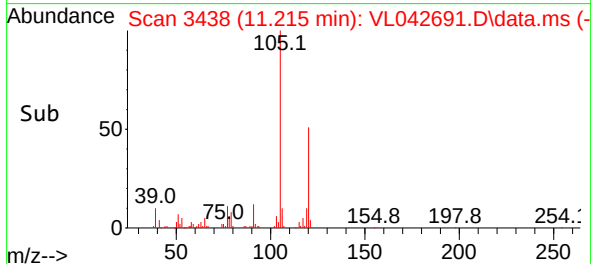
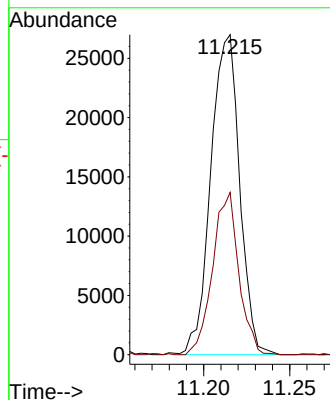
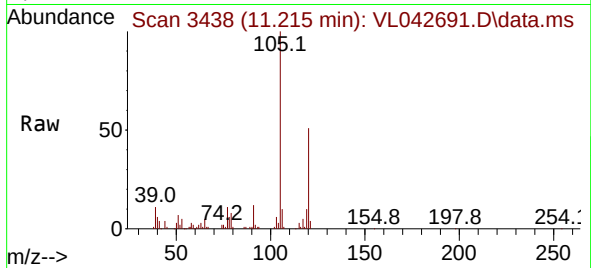
120 50.7 37.0 55.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/03/2025

Supervised By :Mahesh Dadoda 07/03/2025



#74

1,2,4-Trimethylbenzene

Concen: 1.032 ppbv

RT: 11.545 min Scan# 3540

Delta R.T. -0.003 min

Lab File: VL042691.D

Acq: 02 Jul 2025 09:28

Tgt Ion:105 Resp: 38012

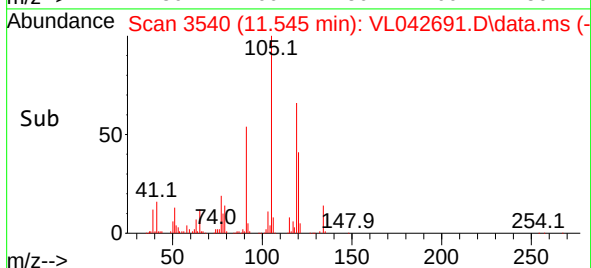
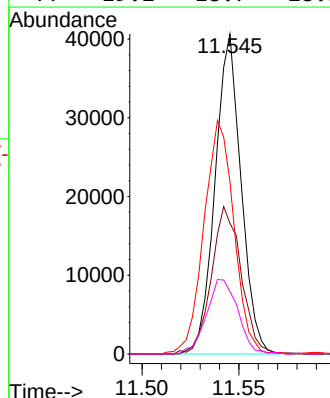
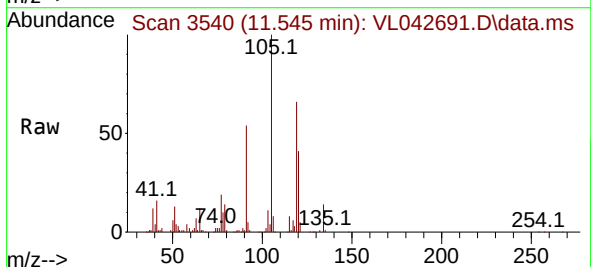
Ion Ratio Lower Upper

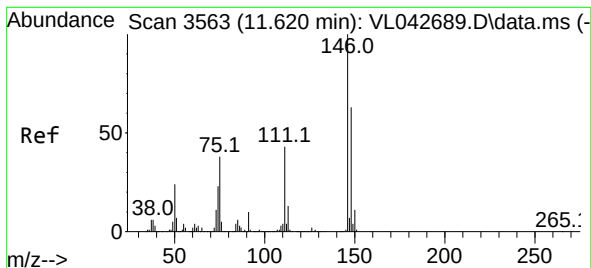
105 100

120 40.6 39.6 59.4

91 53.4 51.0 76.6

77 19.2 18.7 28.1





#75

1,3-Dichlorobenzene

Concen: 1.082 ppbv

RT: 11.617 min Scan# 3562

Delta R.T. -0.003 min

Lab File: VL042691.D

Acq: 02 Jul 2025 09:28

Instrument :

MSVOA_L

ClientSampleId :

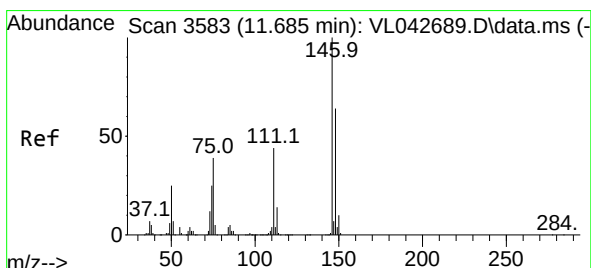
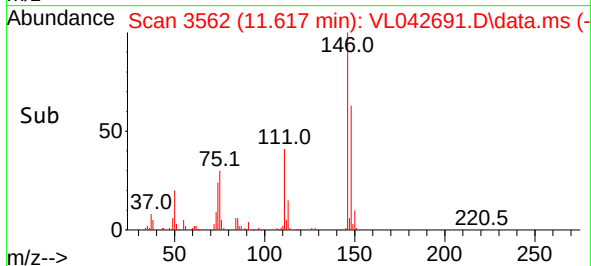
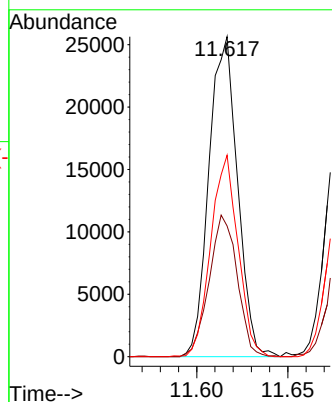
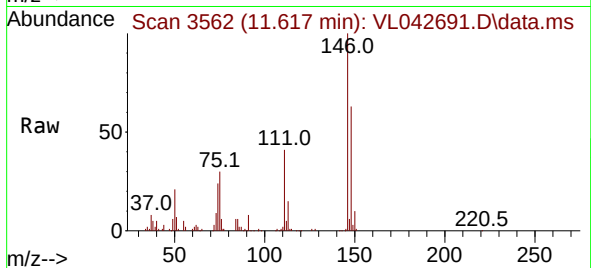
VSTDIC001

Tgt Ion:146	Resp:	27970
Ion Ratio	Lower	Upper
146	100	
111	43.6	21.6 65.0
148	60.2	31.6 94.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/03/2025
Supervised By :Mahesh Dadoda 07/03/2025



#76

1,4-Dichlorobenzene

Concen: 1.052 ppbv

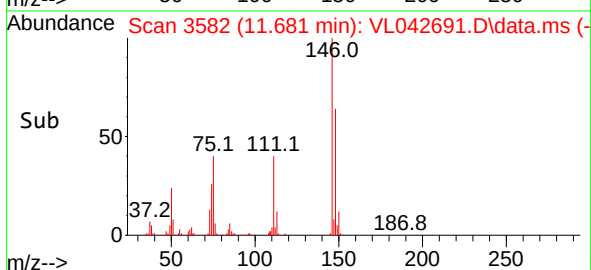
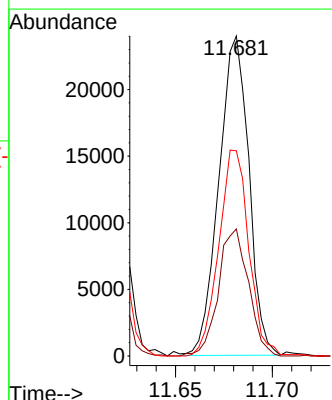
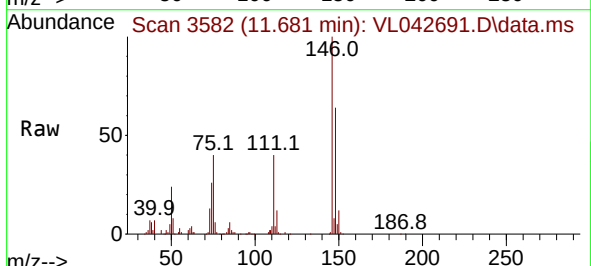
RT: 11.681 min Scan# 3582

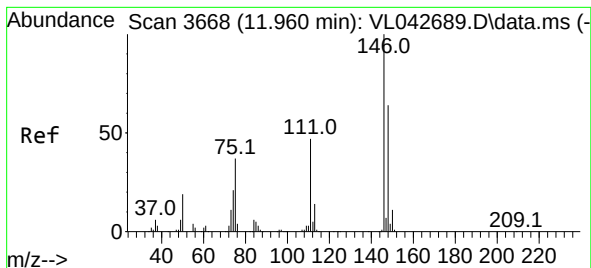
Delta R.T. -0.003 min

Lab File: VL042691.D

Acq: 02 Jul 2025 09:28

Tgt Ion:146	Resp:	25814
Ion Ratio	Lower	Upper
146	100	
111	39.9	21.4 64.3
148	64.8	31.8 95.4





#77

1,2-Dichlorobenzene

Concen: 1.075 ppbv

RT: 11.957 min Scan# 3667

Delta R.T. -0.003 min

Lab File: VL042691.D

Acq: 02 Jul 2025 09:28

Instrument :

MSVOA_L

ClientSampleId :

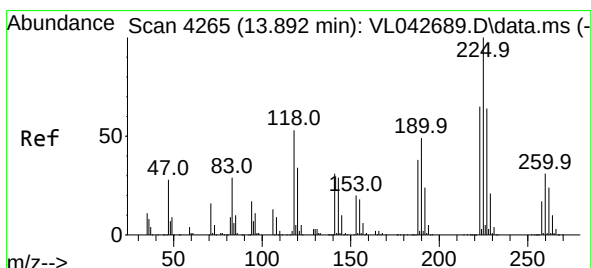
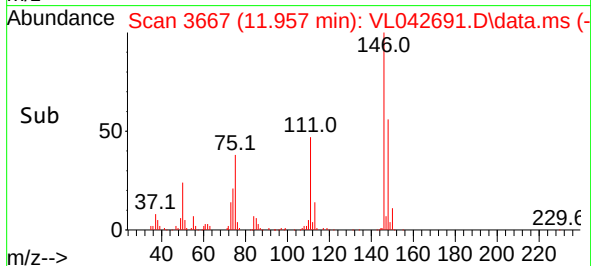
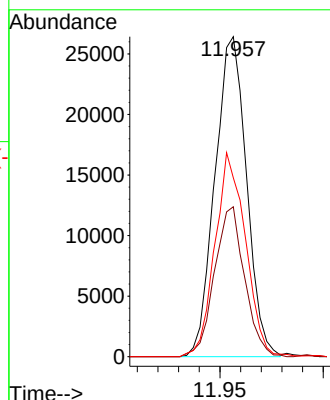
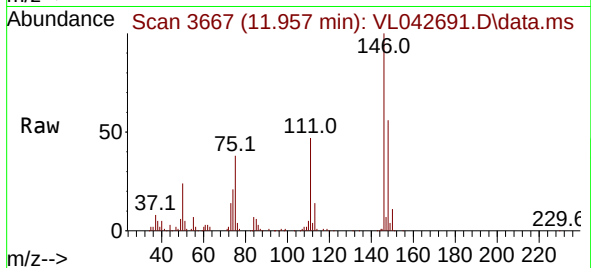
VSTDICC001

Tgt Ion:	146	Resp:	28060
Ion Ratio	Lower	Upper	
146	100		
111	45.0	22.9	68.8
148	61.7	31.9	95.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/03/2025
Supervised By :Mahesh Dadoda 07/03/2025



#78

Hexachloro-1,3-Butadiene

Concen: 1.147 ppbv

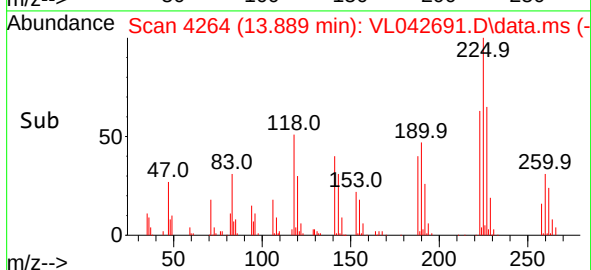
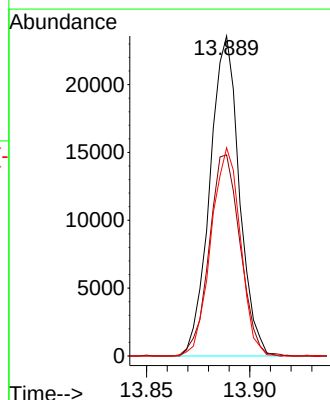
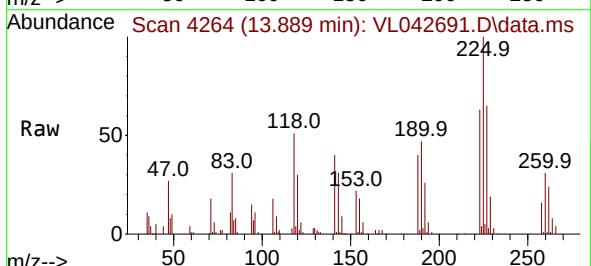
RT: 13.889 min Scan# 4264

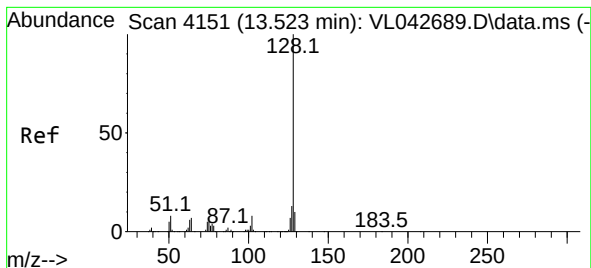
Delta R.T. -0.003 min

Lab File: VL042691.D

Acq: 02 Jul 2025 09:28

Tgt Ion:	225	Resp:	23328
Ion Ratio	Lower	Upper	
225	100		
223	66.4	50.5	75.7
227	64.8	50.0	75.0





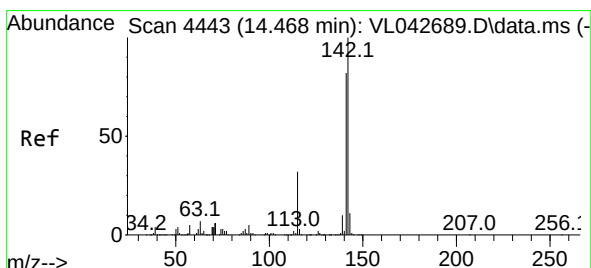
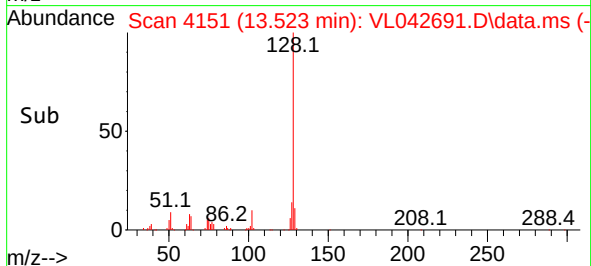
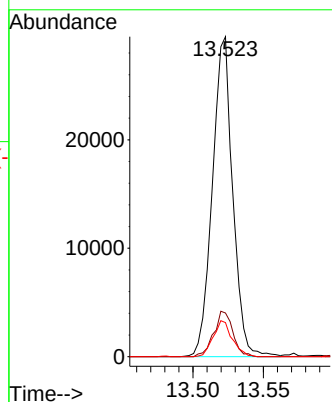
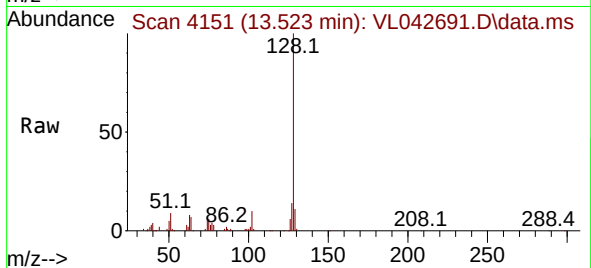
#79
Naphthalene
Concen: 0.971 ppbv
RT: 13.523 min Scan# 4151
Delta R.T. 0.000 min
Lab File: VL042691.D
Acq: 02 Jul 2025 09:28

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion:128 Resp: 29658
Ion Ratio Lower Upper
128 100
127 13.6 10.2 15.4
129 10.7 8.2 12.2

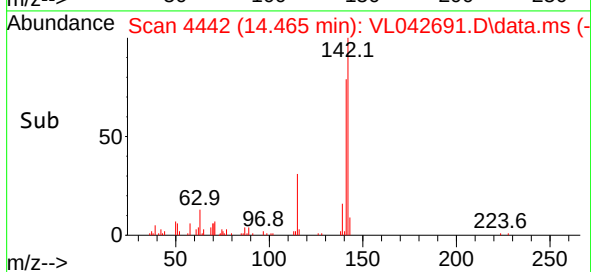
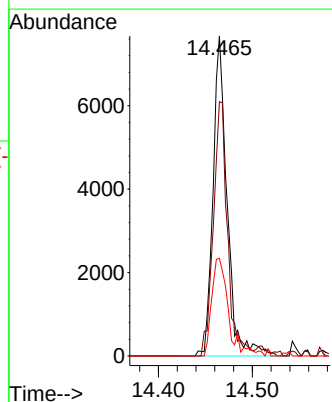
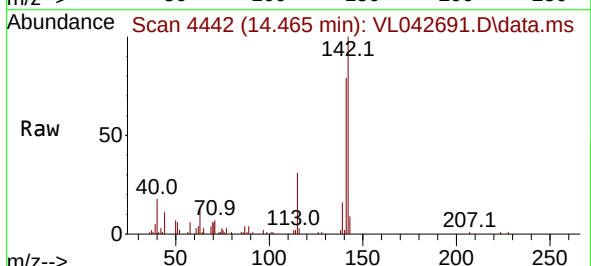
Manual Integrations
APPROVED

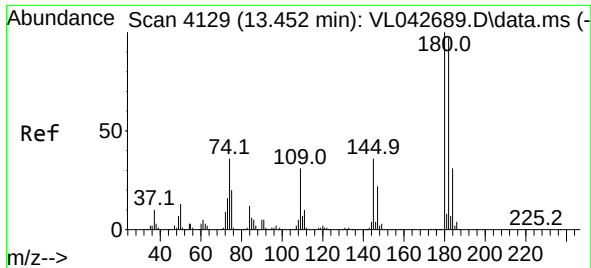
Reviewed By :Semsettin Yesilyurt 07/03/2025
Supervised By :Mahesh Dadoda 07/03/2025



#80
Naphthalene,2-methyl-
Concen: 0.625 ppbv
RT: 14.465 min Scan# 4442
Delta R.T. -0.003 min
Lab File: VL042691.D
Acq: 02 Jul 2025 09:28

Tgt Ion:142 Resp: 7977
Ion Ratio Lower Upper
142 100
141 83.4 67.4 101.2
115 36.5 26.9 40.3





#81

1,2,4-Trichlorobenzene

Concen: 0.998 ppbv

RT: 13.445 min Scan# 41

Delta R.T. -0.006 min

Lab File: VL042691.D

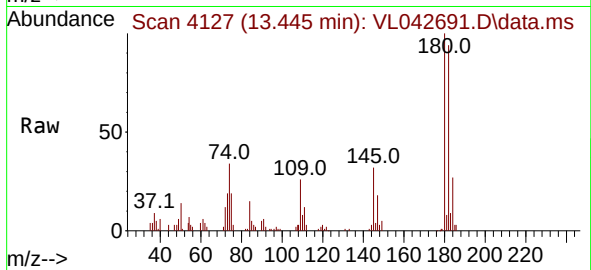
Acq: 02 Jul 2025 09:28

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC001



Tgt Ion:180 Resp: 1788

Ion Ratio Lower Upper

180 100

182 97.0 76.7 115.1

184 29.8 24.4 36.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/03/2025

Supervised By :Mahesh Dadoda 07/03/2025

