

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050125\
 Data File : VL042465.D
 Acq On : 01 May 2025 12:49
 Operator : SY/MD
 Sample : VSTDICC015
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC015

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 05/02/2025
 Supervised By :Mahesh Dadoda 05/05/2025

Quant Time: May 02 01:45:25 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL050125AIR.M

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

QLast Update : Fri May 02 01:37:48 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.787	49	64314	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.962	114	178877	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.885	117	157673	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.377 95 151837 10.387 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 103.900%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.499	85	158069	14.852	ppbv	99
3) Chlorodifluoromethane	1.476	51	154556	13.735	ppbv	100
4) Chloromethane	1.535	50	64267	14.447	ppbv	95
5) Vinyl Chloride	1.580	62	60873	13.592	ppbv	98
6) Bromomethane	1.667	94	31246	14.766	ppbv	87
7) Chloroethane	1.703	64	25181	15.227	ppbv	92
8) Dichlorotetrafluoroethane	1.554	85	131995	15.044	ppbv	99
9) Propene	1.486	41	49647	13.489	ppbv	99
10) Heptane	4.982	43	142235	14.898	ppbv	100
11) Trichlorofluoromethane	1.878	101	152655	16.082	ppbv	100
12) 1,1,2-Trichlorotrifluo...	2.140	101	115855	14.775	ppbv	96
13) Ethanol	1.722	45	8090	10.832	ppbv	98
14) Bromoethene	1.781	108	44928	15.519	ppbv	96
15) Acetone	1.836	43	141306	12.036	ppbv	99
16) 1,3-Butadiene	1.609	39	72455	13.992	ppbv	98
17) tert-Butyl alcohol	2.043	59	144935	14.012	ppbv	99
18) 1,1-Dichloroethene	2.033	96	52813	14.424	ppbv	98
19) Isopropyl Alcohol	1.887	45	86000	13.235	ppbv #	1
20) Methylene Chloride	2.062	84	46063	13.050	ppbv	94
21) Allyl Chloride	2.098	41	112451	14.893	ppbv	99
22) trans-1,2-Dichloroethene	2.341	96	62153	14.534	ppbv	100
23) Vinyl Acetate	2.464	43	169418	15.489	ppbv	99
24) 1,1-Dichloroethane	2.409	63	127567	14.622	ppbv	97
25) Ethyl Acetate	2.836	43	269372	14.329	ppbv	100
26) Hexane	2.826	57	119552	14.598	ppbv	97
27) Carbon Disulfide	2.150	76	150258	15.722	ppbv #	92
28) Methyl tert-Butyl Ether	2.441	73	71341	14.500	ppbv	99
29) Chloroform	2.849	83	221976	14.464	ppbv	99
30) Cyclohexane	3.859	84	101146	14.771	ppbv	99
31) cis-1,2-Dichloroethene	2.723	61	133735	13.997	ppbv	93
32) 1,1,1-Trichloroethane	3.370	97	234752	14.099	ppbv	99
34) 2-Butanone	2.557	43	174521	13.488	ppbv	97
35) Carbon Tetrachloride	3.765	117	242144	15.566	ppbv	99
36) Benzene	3.658	78	239352	14.179	ppbv	98
37) 1,2-Dichloroethane	3.221	62	190179	14.618	ppbv	98
38) Trichloroethene	4.551	130	95257	14.798	ppbv	94
39) 1,2-Dichloropropane	4.312	63	84414	13.349	ppbv	93
40) 1,4-Dioxane	4.584	88	38551	13.115	ppbv #	100
41) Tetrahydrofuran	3.056	42	86296	14.063	ppbv	98
42) Bromodichloromethane	4.493	83	242556	15.259	ppbv	99
43) Methyl Methacrylate	4.885	69	98279	15.639	ppbv	100
44) 2,2,4-Trimethylpentane	4.642	57	401920	14.734	ppbv	99
45) t-1,3-Dichloropropene	6.419	75	136762	16.529	ppbv	92

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Manual Integrations
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Reviewed By :Semsettin Yesilyurt 05/02/2025
 Supervised By :Mahesh Dadoda 05/05/2025

Quant Time: May 02 01:45:25 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL050125AIR.M

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

QLast Update : Fri May 02 01:37:48 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.600	75	154705m	15.749	ppbv	
47) 1,1,2-Trichloroethane	6.587	97	99496	14.356	ppbv	93
48) Dibromochloromethane	7.393	129	180970	15.468	ppbv	98
49) Bromoform	9.487	173	152440	15.535	ppbv	99
50) 4-Methyl-2-Pentanone	5.755	43	237985	14.550	ppbv	97
51) 2-Hexanone	7.438	43	197423	15.071	ppbv	99
52) Tetrachloroethene	8.228	164	85271	13.272	ppbv	90
53) Toluene	6.937	91	281731	15.768	ppbv	100
54) 1,2-Dibromoethane	7.655	107	154739	14.523	ppbv	94
56) 1,1,1,2-Tetrachloroethane	8.927	131	133410	14.326	ppbv	98
57) Chlorobenzene	8.927	112	218370	13.783	ppbv	99
58) Ethyl Benzene	9.358	91	414805	15.743	ppbv	98
59) m/p-Xylene	9.555	91	699743m	31.674	ppbv	
60) o-Xylene	9.966	91	350328	15.863	ppbv	100
61) Styrene	9.876	104	137720	16.686	ppbv	96
62) Isopropylbenzene	10.542	105	498619	15.629	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.966	83	209726	14.635	ppbv	99
64) n-propylbenzene	10.992	120	122452	15.759	ppbv	97
65) tert-Butylbenzene	11.536	119	443042	15.562	ppbv	97
66) Benzyl Chloride	11.617	91	60376	18.348	ppbv	97
67) sec-Butylbenzene	11.769	105	632600	15.636	ppbv	100
69) p-Isopropyltoluene	11.928	119	539860	15.837	ppbv	99
70) n-Butylbenzene	12.284	91	566780	16.084	ppbv	99
71) 2-Chlorotoluene	10.905	91	394227	15.755	ppbv	100
72) 4-Ethyltoluene	11.128	105	423746	16.250	ppbv	99
73) 1,3,5-Trimethylbenzene	11.206	105	362951	15.826	ppbv	96
74) 1,2,4-Trimethylbenzene	11.539	105	407416	14.683	ppbv	96
75) 1,3-Dichlorobenzene	11.610	146	225215	14.579	ppbv	98
76) 1,4-Dichlorobenzene	11.675	146	224505	15.357	ppbv	99
77) 1,2-Dichlorobenzene	11.950	146	216147	14.295	ppbv	99
78) Hexachloro-1,3-Butadiene	13.886	225	198112	13.121	ppbv	99
79) Naphthalene	13.517	128	392900	16.888	ppbv	98
80) Naphthalene,2-methyl-	14.459	142	316493	18.232	ppbv	99
81) 1,2,4-Trichlorobenzene	13.442	180	195942	15.728	ppbv	97

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

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 ClientSampleId :
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Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 05/02/2025
 Supervised By :Mahesh Dadoda 05/05/2025

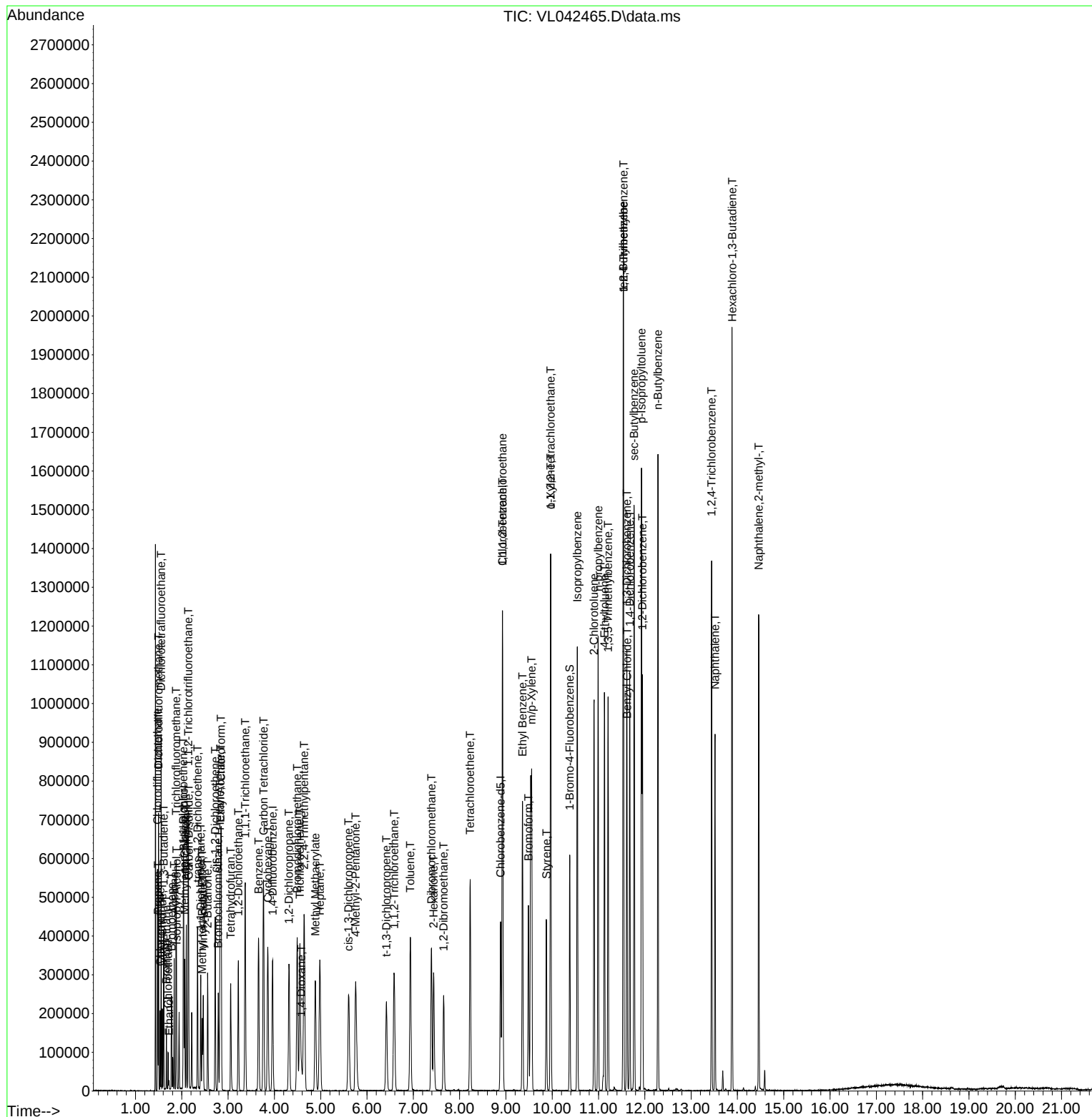
Quant Time: May 02 01:45:25 2025

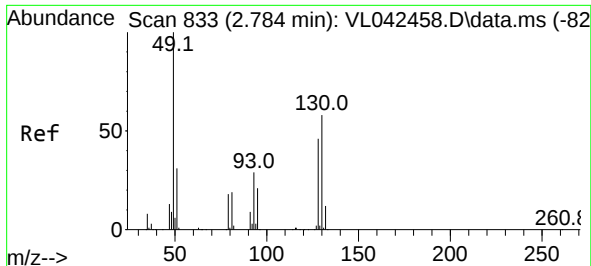
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL050125AIR.M

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

QLast Update : Fri May 02 01:37:48 2025

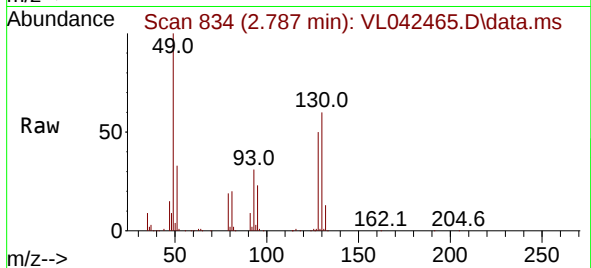
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 833
Delta R.T. 0.003 min
Lab File: VL042465.D
Acq: 01 May 2025 12:49

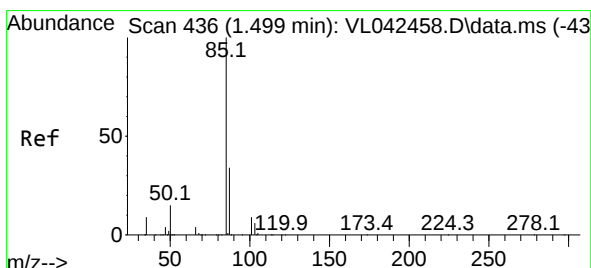
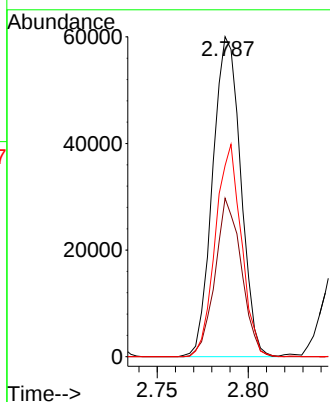
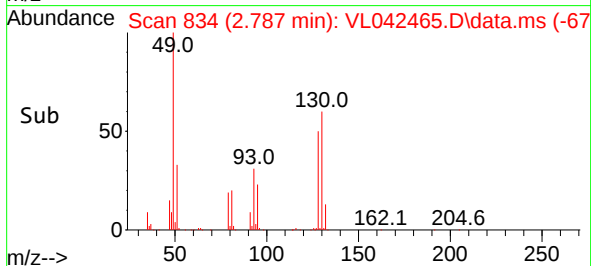
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



Tgt Ion: 49 Resp: 64314
Ion Ratio Lower Upper
49 100
128 46.3 23.3 69.9
130 61.4 29.5 88.6

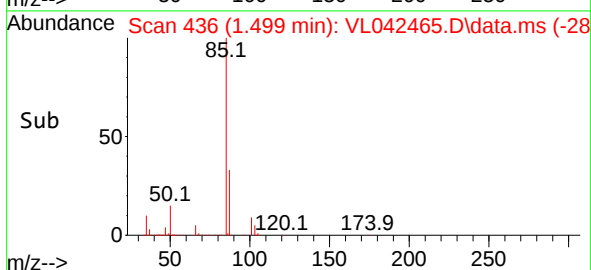
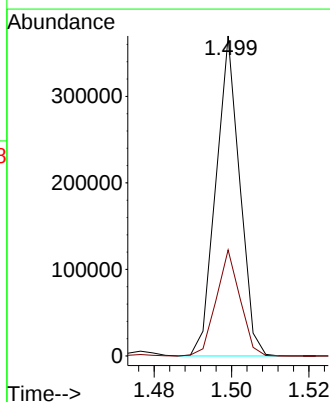
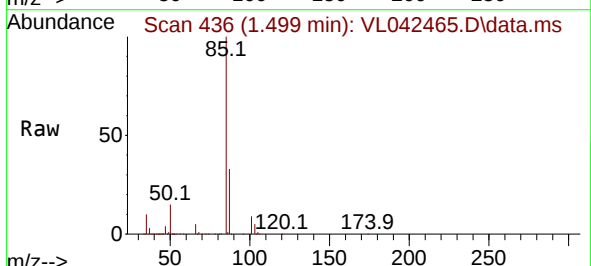
Manual Integrations
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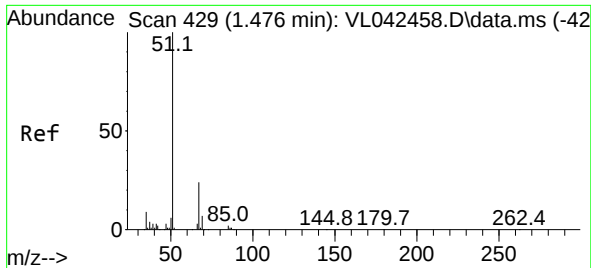
Reviewed By :Semsettin Yesilyurt 05/02/2025
Supervised By :Mahesh Dadoda 05/05/2025



#2
Dichlorodifluoromethane
Concen: 14.852 ppbv
RT: 1.499 min Scan# 436
Delta R.T. 0.000 min
Lab File: VL042465.D
Acq: 01 May 2025 12:49

Tgt Ion: 85 Resp: 158069
Ion Ratio Lower Upper
85 100
87 33.2 26.9 40.3





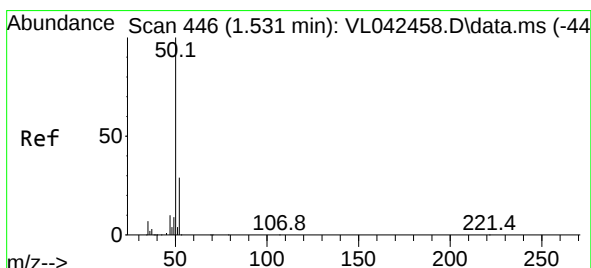
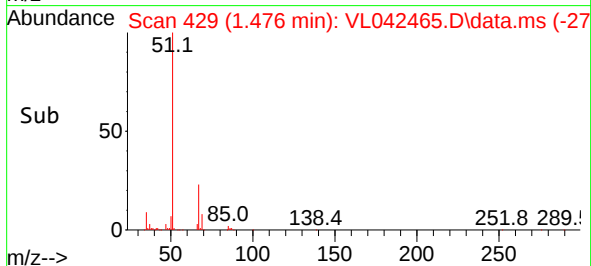
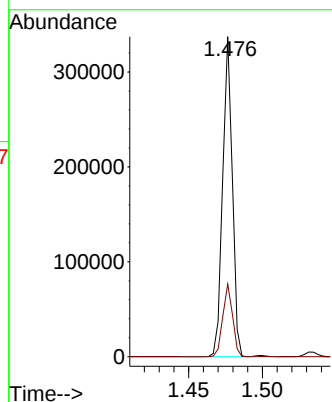
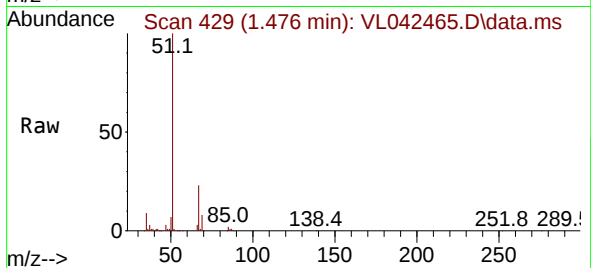
#3
Chlorodifluoromethane
Concen: 13.735 ppbv
RT: 1.476 min Scan# 429
Delta R.T. 0.000 min
Lab File: VL042465.D
Acq: 01 May 2025 12:49

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 51 Resp: 154550
Ion Ratio Lower Upper
51 100
67 23.1 18.4 27.6

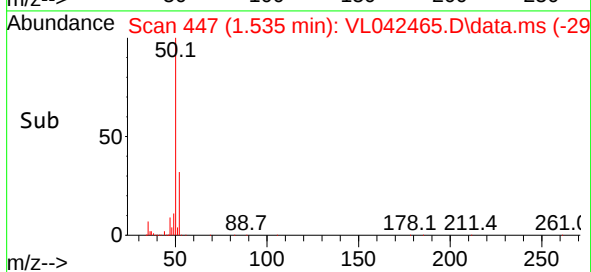
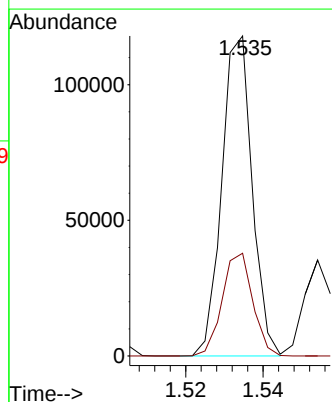
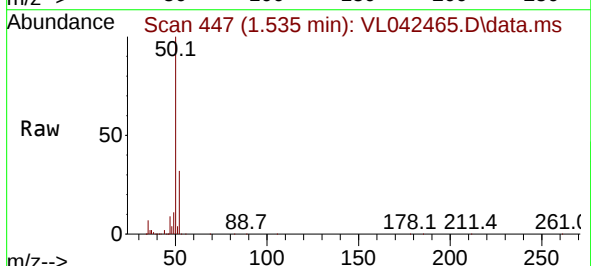
Manual Integrations
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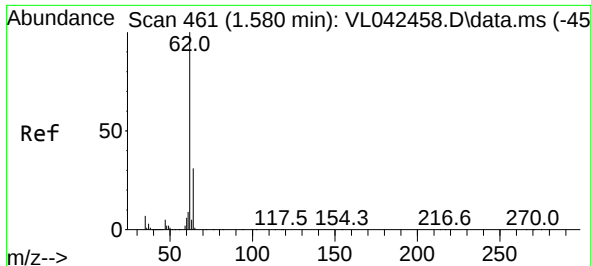
Reviewed By :Semsettin Yesilyurt 05/02/2025
Supervised By :Mahesh Dadoda 05/05/2025



#4
Chloromethane
Concen: 14.447 ppbv
RT: 1.535 min Scan# 447
Delta R.T. 0.004 min
Lab File: VL042465.D
Acq: 01 May 2025 12:49

Tgt Ion: 50 Resp: 64267
Ion Ratio Lower Upper
50 100
52 32.1 23.5 35.3





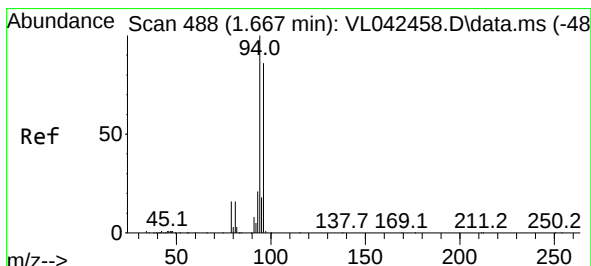
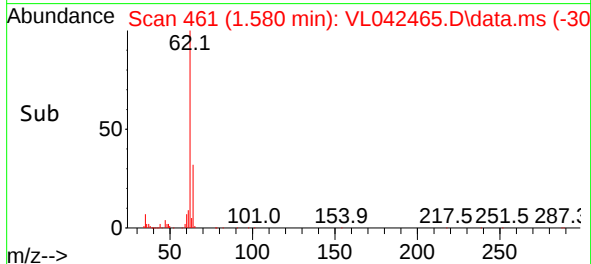
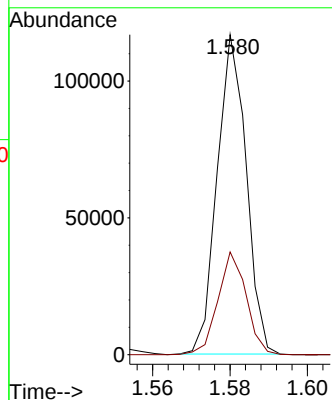
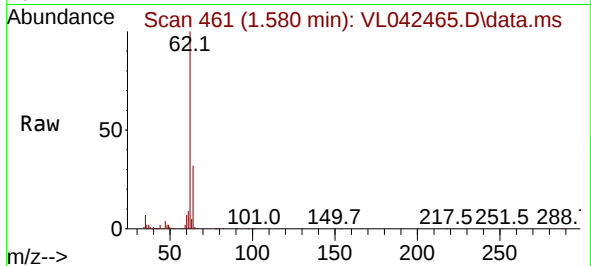
#5
 Vinyl Chloride
 Concen: 13.592 ppbv
 RT: 1.580 min Scan# 461
 Delta R.T. 0.000 min
 Lab File: VL042465.D
 Acq: 01 May 2025 12:49

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tgt Ion: 62 Resp: 6087
 Ion Ratio Lower Upper
 62 100
 64 32.1 24.9 37.3

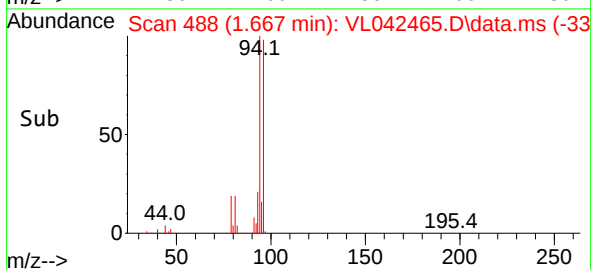
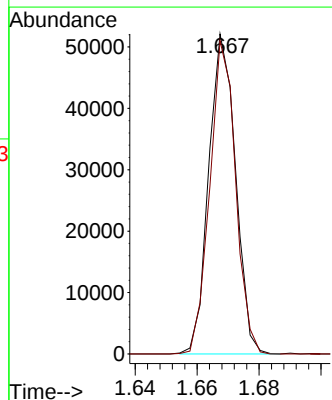
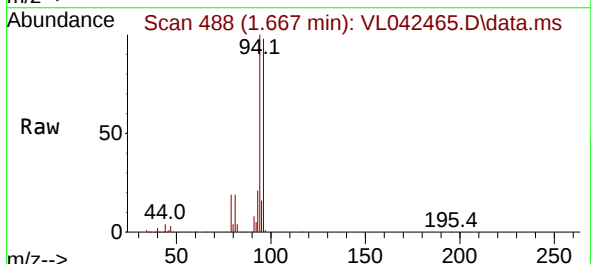
Manual Integrations
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Reviewed By :Semsettin Yesilyurt 05/02/2025
 Supervised By :Mahesh Dadoda 05/05/2025



#6
 Bromomethane
 Concen: 14.766 ppbv
 RT: 1.667 min Scan# 488
 Delta R.T. 0.000 min
 Lab File: VL042465.D
 Acq: 01 May 2025 12:49

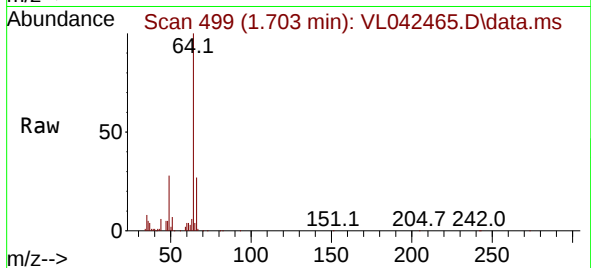
Tgt Ion: 94 Resp: 31246
 Ion Ratio Lower Upper
 94 100
 96 97.9 68.8 103.2





#7
Chloroethane
Concen: 15.227 ppbv
RT: 1.703 min Scan# 499
Delta R.T. 0.000 min
Lab File: VL042465.D
Acq: 01 May 2025 12:49

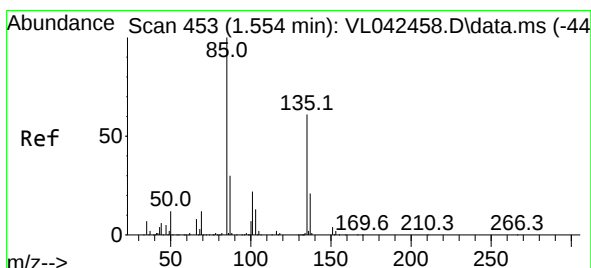
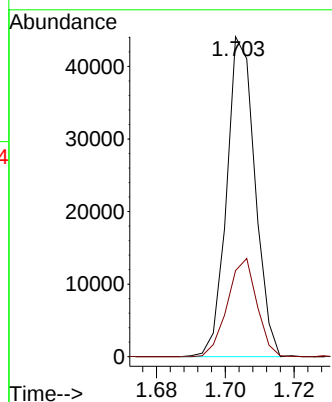
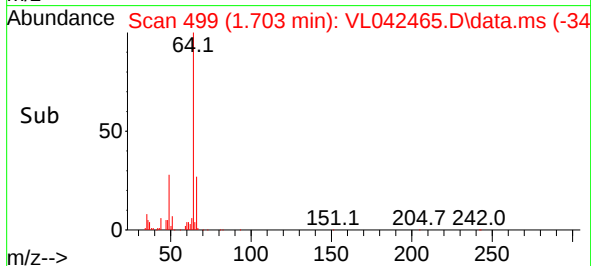
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



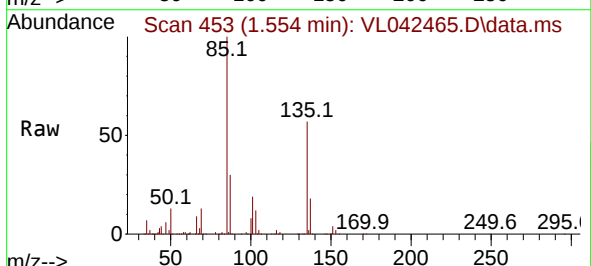
Tgt Ion: 64 Resp: 2518
Ion Ratio Lower Upper
64 100
66 26.9 25.0 37.4

Manual Integrations
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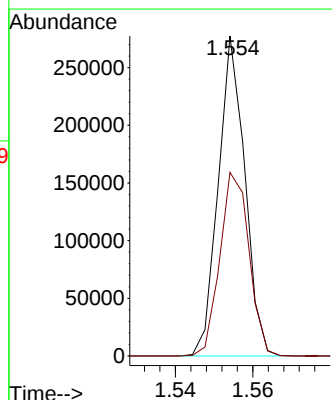
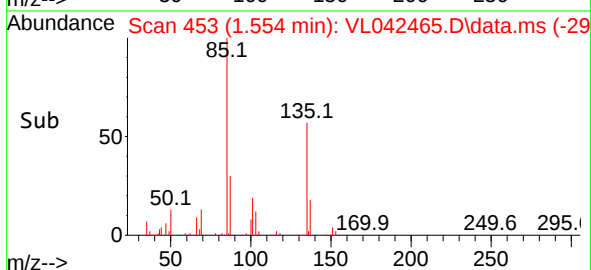
Reviewed By :Semsettin Yesilyurt 05/02/2025
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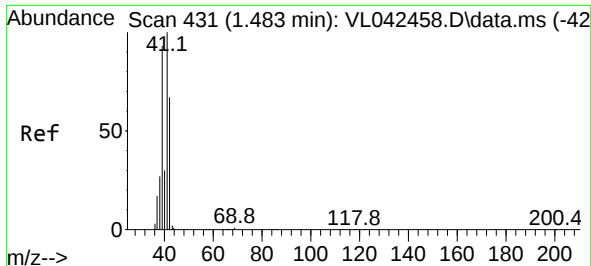


#8
Dichlorotetrafluoroethane
Concen: 15.044 ppbv
RT: 1.554 min Scan# 453
Delta R.T. 0.000 min
Lab File: VL042465.D
Acq: 01 May 2025 12:49



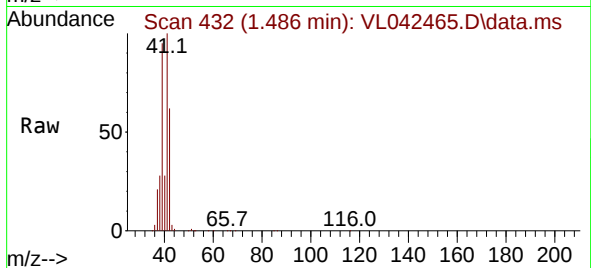
Tgt Ion: 85 Resp: 131995
Ion Ratio Lower Upper
85 100
135 63.1 49.8 74.8





#9
Propene
Concen: 13.489 ppbv
RT: 1.486 min Scan# 41
Delta R.T. 0.004 min
Lab File: VL042465.D
Acq: 01 May 2025 12:49

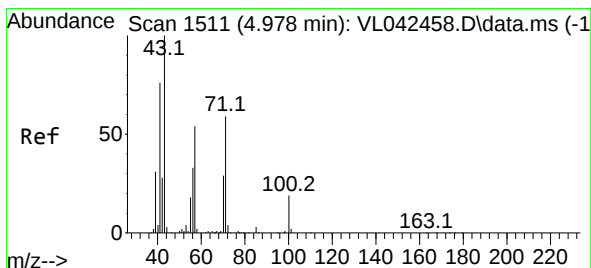
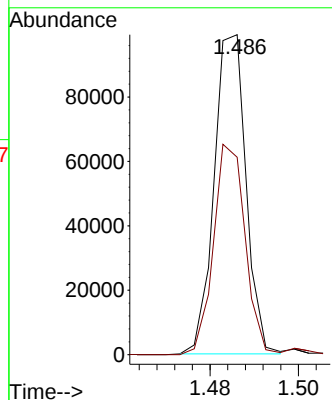
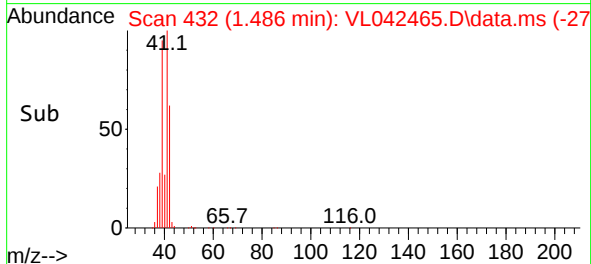
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015



Tgt Ion: 41 Resp: 4964
Ion Ratio Lower Upper
41 100
42 66.7 54.3 81.5

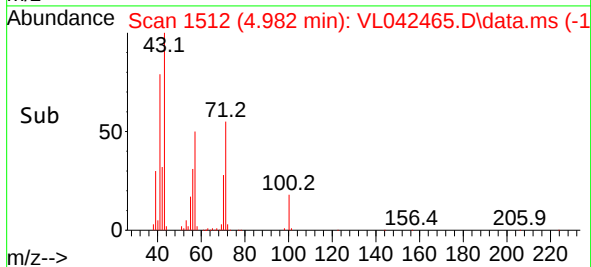
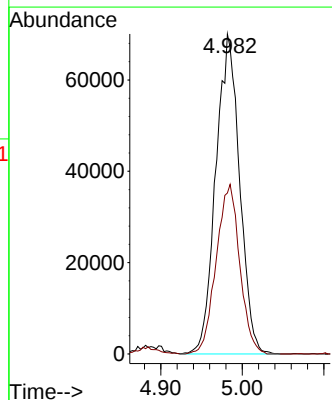
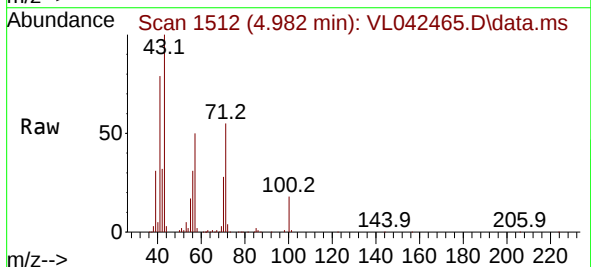
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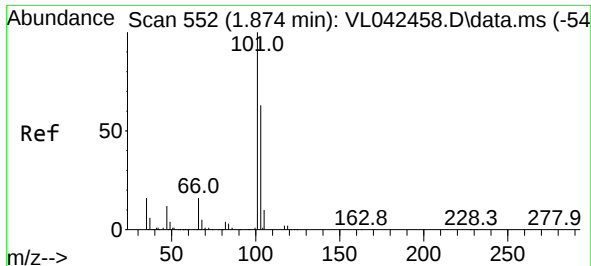
Reviewed By :Semsettin Yesilyurt 05/02/2025
Supervised By :Mahesh Dadoda 05/05/2025



#10
Heptane
Concen: 14.898 ppbv
RT: 4.982 min Scan# 1512
Delta R.T. 0.004 min
Lab File: VL042465.D
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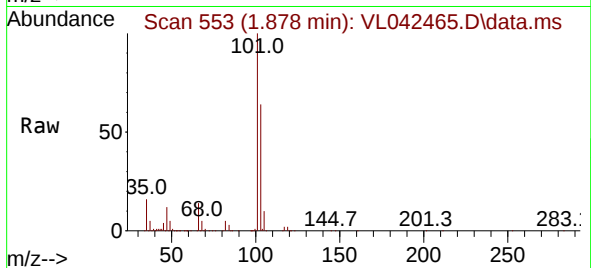
Tgt Ion: 43 Resp: 142235
Ion Ratio Lower Upper
43 100
57 52.4 41.8 62.8





#11
Trichlorofluoromethane
Concen: 16.082 ppbv
RT: 1.878 min Scan# 511
Delta R.T. 0.004 min
Lab File: VL042465.D
Acq: 01 May 2025 12:49

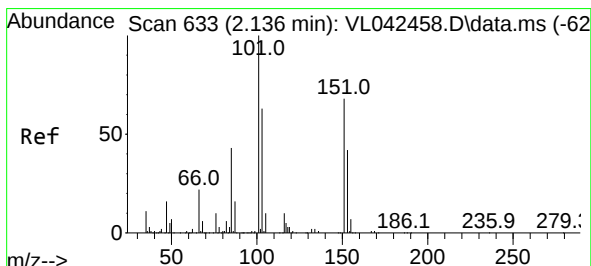
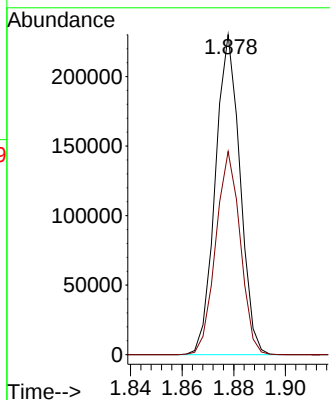
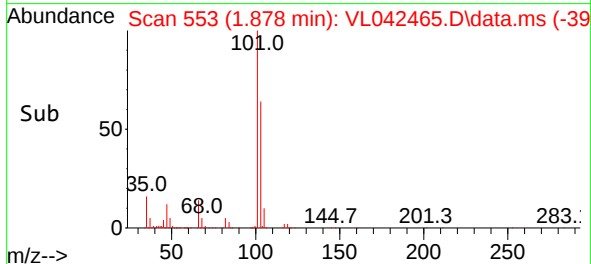
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



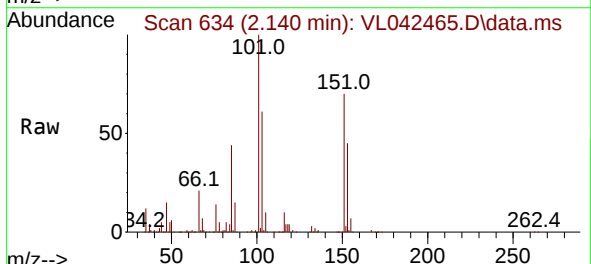
Tgt Ion:101 Resp: 15265
Ion Ratio Lower Upper
101 100
103 63.5 50.6 76.0

Manual Integrations
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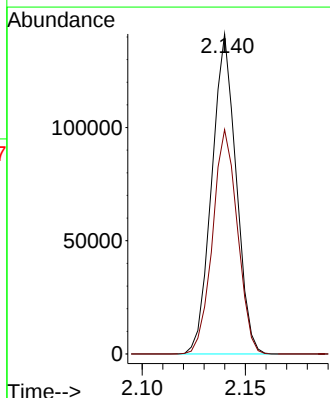
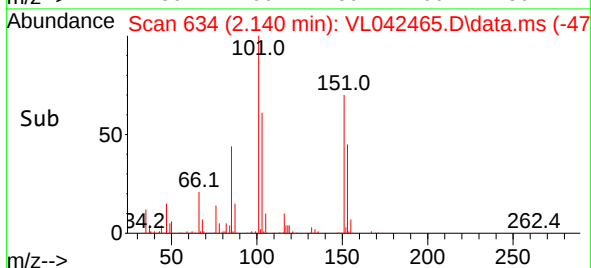
Reviewed By :Semsettin Yesilyurt 05/02/2025
Supervised By :Mahesh Dadoda 05/05/2025

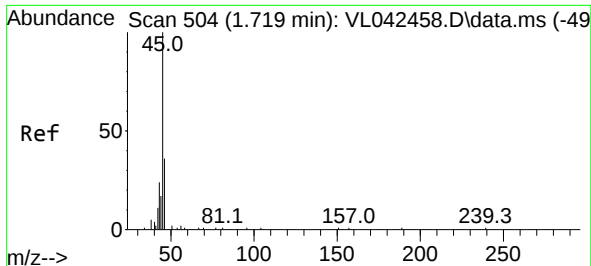


#12
1,1,2-Trichlorotrifluoroethane
Concen: 14.775 ppbv
RT: 2.140 min Scan# 634
Delta R.T. 0.004 min
Lab File: VL042465.D
Acq: 01 May 2025 12:49



Tgt Ion:101 Resp: 115855
Ion Ratio Lower Upper
101 100
151 71.4 54.6 82.0





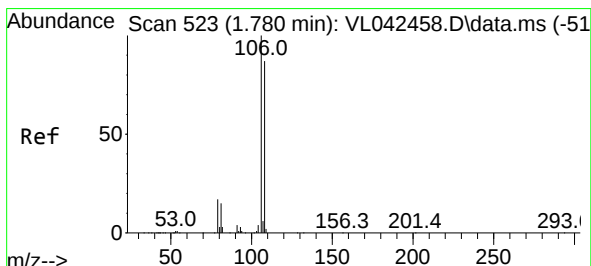
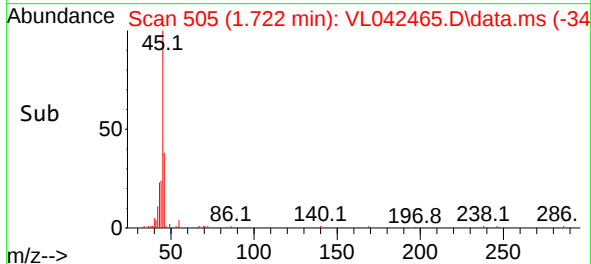
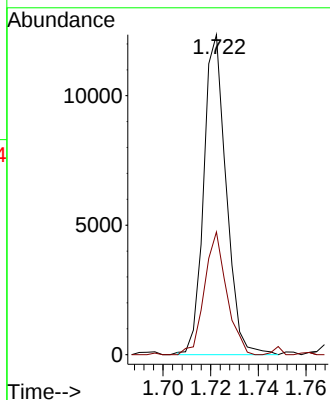
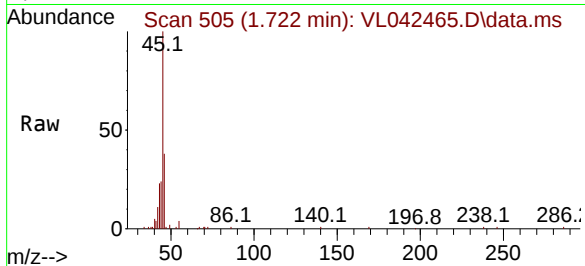
#13
Ethanol
Concen: 10.832 ppbv
RT: 1.722 min Scan# 504
Delta R.T. 0.004 min
Lab File: VL042465.D
Acq: 01 May 2025 12:49

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tgt Ion: 45 Resp: 8090
Ion Ratio Lower Upper
45 100
46 39.5 15.3 61.1

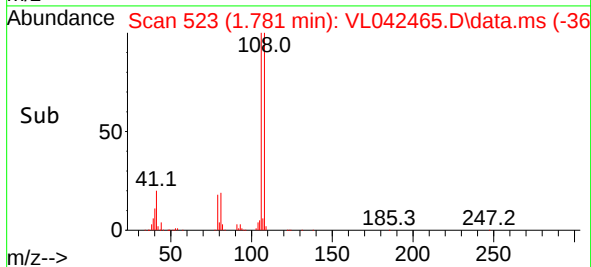
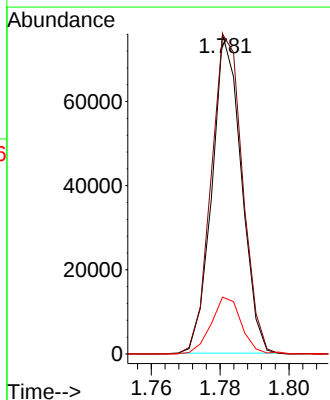
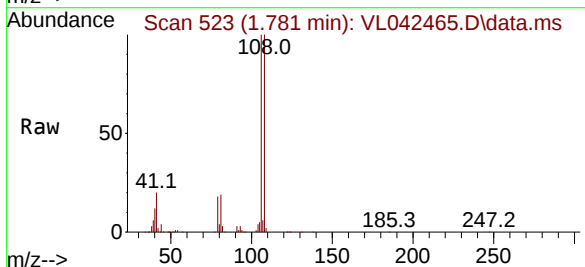
Manual Integrations
APPROVED

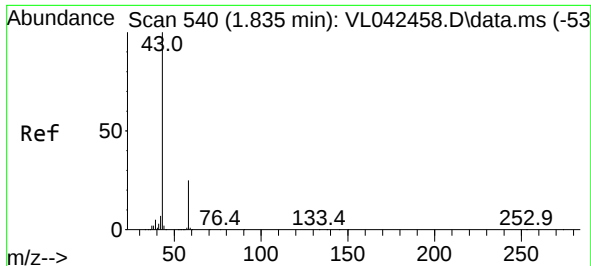
Reviewed By :Semsettin Yesilyurt 05/02/2025
Supervised By :Mahesh Dadoda 05/05/2025



#14
Bromoethene
Concen: 15.519 ppbv
RT: 1.781 min Scan# 523
Delta R.T. 0.000 min
Lab File: VL042465.D
Acq: 01 May 2025 12:49

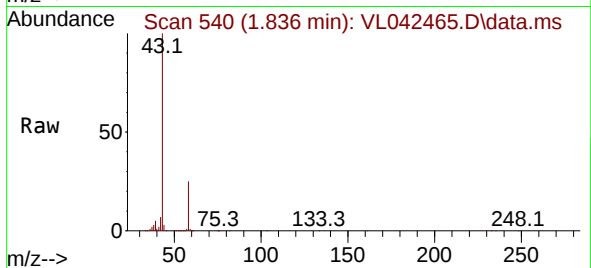
Tgt Ion:108 Resp: 44928
Ion Ratio Lower Upper
108 100
106 107.6 88.8 133.2
79 18.7 17.1 25.7





#15
Acetone
Concen: 12.036 ppbv
RT: 1.836 min Scan# 540
Delta R.T. 0.000 min
Lab File: VL042465.D
Acq: 01 May 2025 12:49

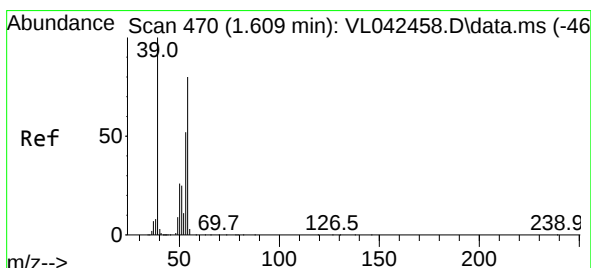
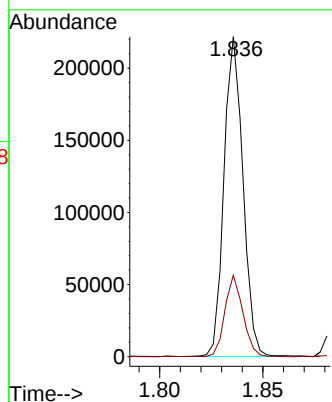
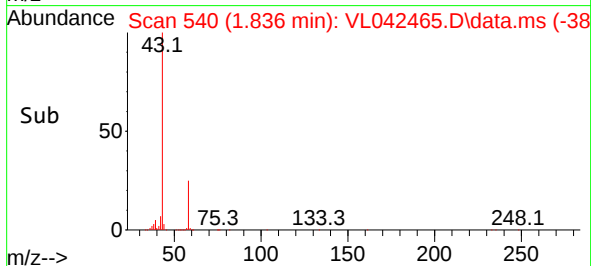
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015



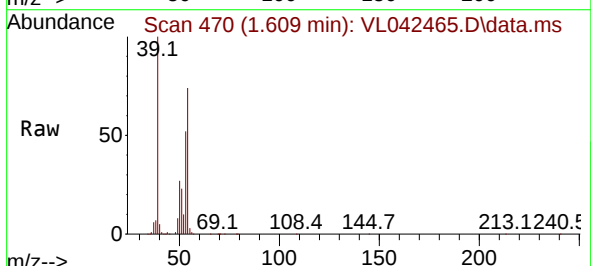
Tgt Ion: 43 Resp: 141300
Ion Ratio Lower Upper
43 100
58 24.3 19.8 29.8

Manual Integrations
APPROVED

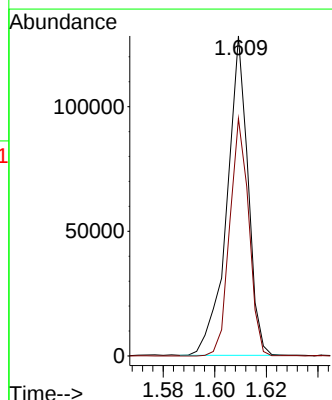
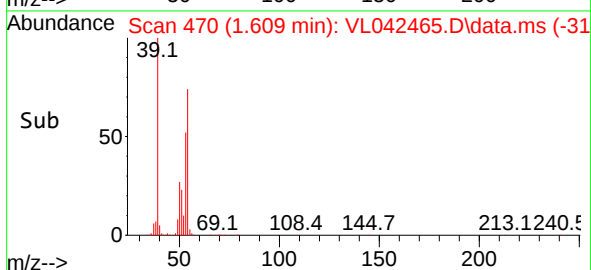
Reviewed By :Semsettin Yesilyurt 05/02/2025
Supervised By :Mahesh Dadoda 05/05/2025

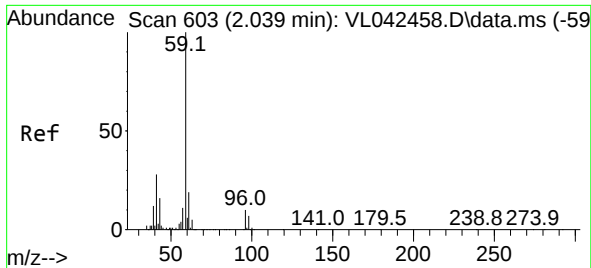


#16
1,3-Butadiene
Concen: 13.992 ppbv
RT: 1.609 min Scan# 470
Delta R.T. 0.000 min
Lab File: VL042465.D
Acq: 01 May 2025 12:49



Tgt Ion: 39 Resp: 72455
Ion Ratio Lower Upper
39 100
54 67.3 55.2 82.8





#17

tert-Butyl alcohol

Concen: 14.012 ppbv

RT: 2.043 min Scan# 604

Delta R.T. 0.004 min

Lab File: VL042465.D

Acq: 01 May 2025 12:49

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC015

Tgt Ion: 59 Resp: 14493

Ion Ratio Lower Upper

59 100

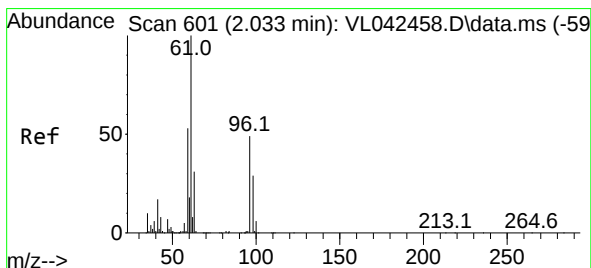
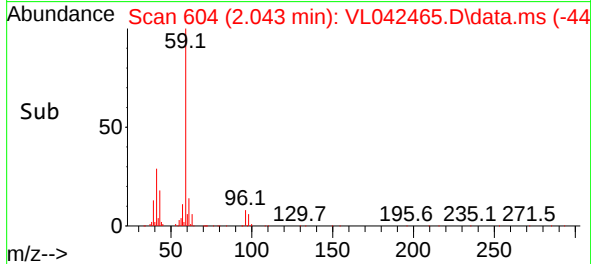
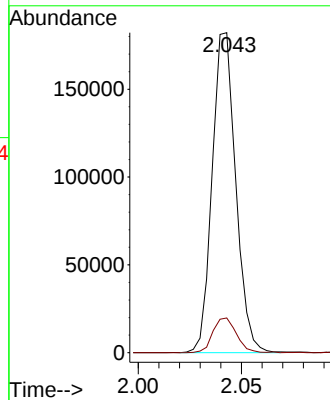
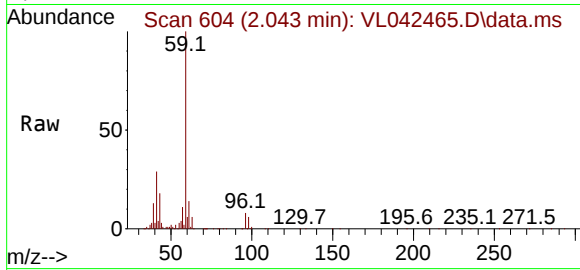
57 10.9 8.3 12.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/02/2025

Supervised By :Mahesh Dadoda 05/05/2025



#18

1,1-Dichloroethene

Concen: 14.424 ppbv

RT: 2.033 min Scan# 601

Delta R.T. 0.000 min

Lab File: VL042465.D

Acq: 01 May 2025 12:49

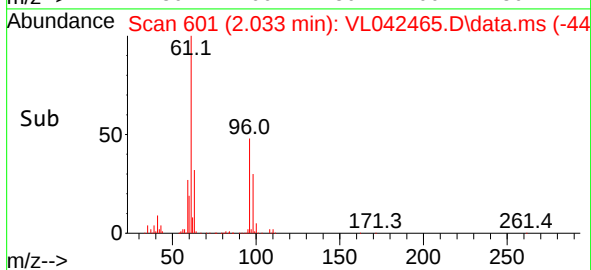
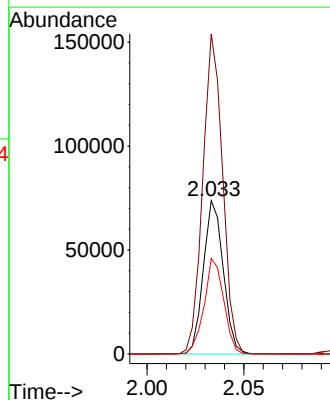
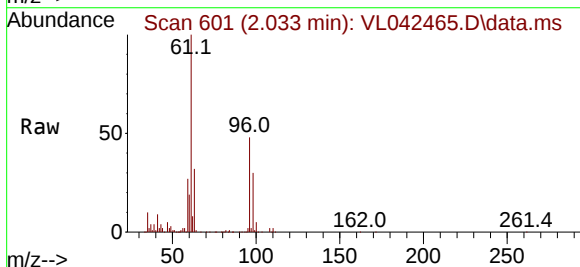
Tgt Ion: 96 Resp: 52813

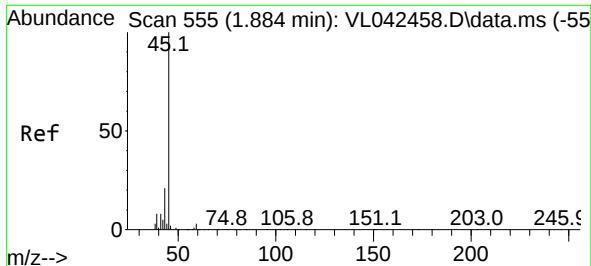
Ion Ratio Lower Upper

96 100

61 208.7 164.9 247.3

98 62.3 48.2 72.2





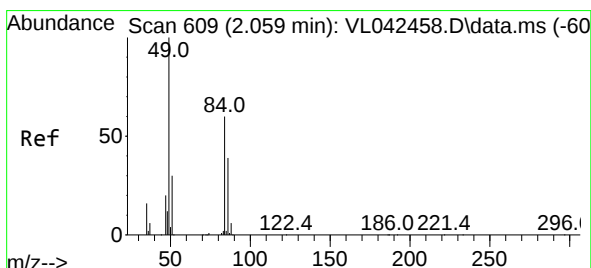
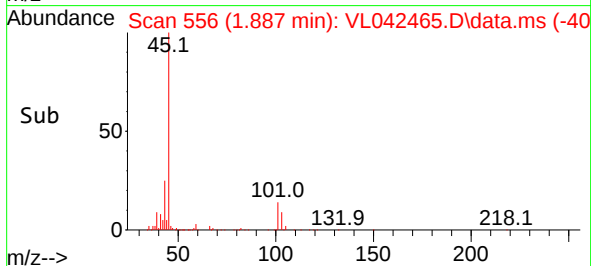
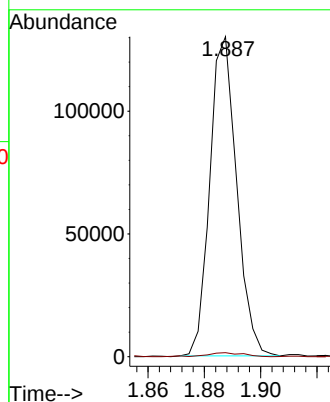
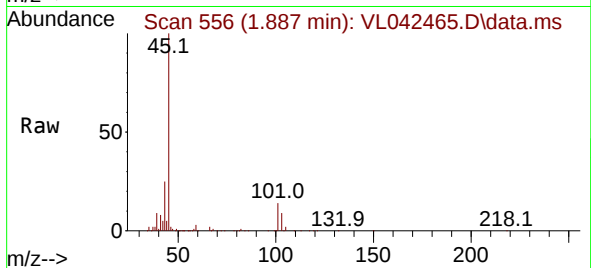
#19
Isopropyl Alcohol
Concen: 13.235 ppbv
RT: 1.887 min Scan# 51
Delta R.T. 0.004 min
Lab File: VL042465.D
Acq: 01 May 2025 12:49

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 45 Resp: 86000
Ion Ratio Lower Upper
45 100
58 40.0 1.6 2.4

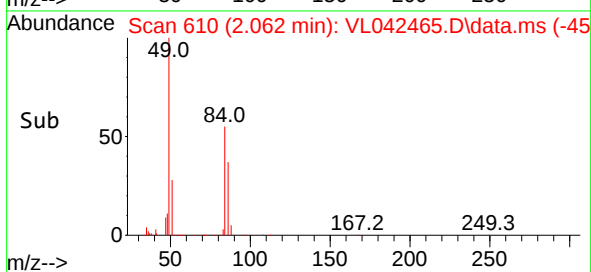
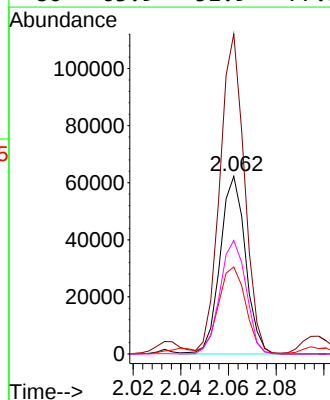
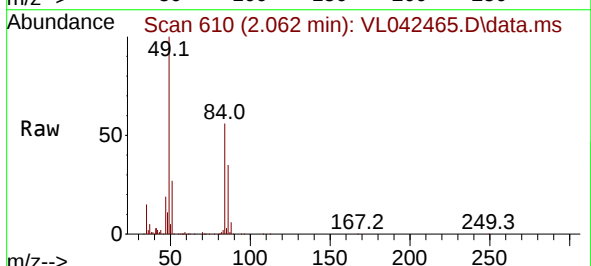
Manual Integrations
APPROVED

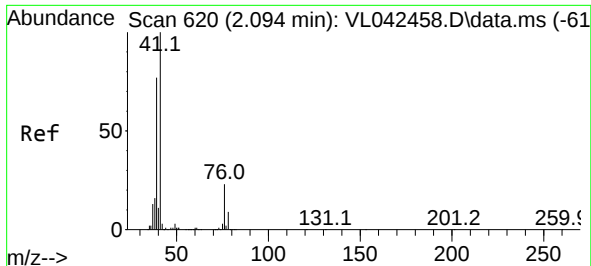
Reviewed By :Semsettin Yesilyurt 05/02/2025
Supervised By :Mahesh Dadoda 05/05/2025



#20
Methylene Chloride
Concen: 13.050 ppbv
RT: 2.062 min Scan# 610
Delta R.T. 0.004 min
Lab File: VL042465.D
Acq: 01 May 2025 12:49

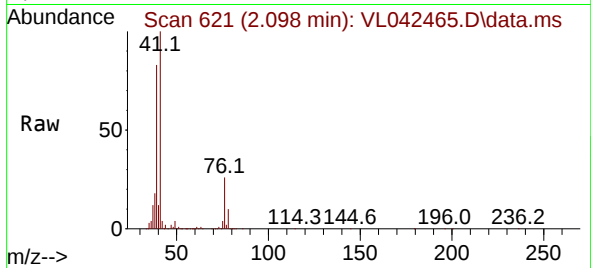
Tgt Ion: 84 Resp: 46063
Ion Ratio Lower Upper
84 100
49 179.6 133.9 200.9
51 48.7 41.0 61.6
86 63.9 51.9 77.9





#21
 Allyl Chloride
 Concen: 14.893 ppbv
 RT: 2.098 min Scan# 61
 Delta R.T. 0.004 min
 Lab File: VL042465.D
 Acq: 01 May 2025 12:49

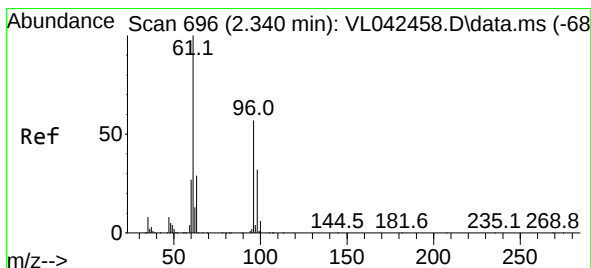
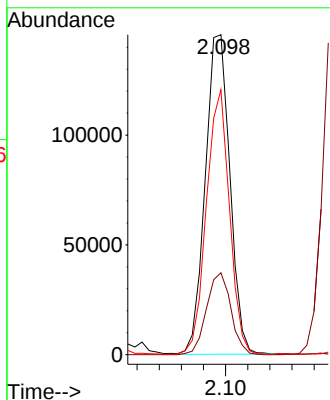
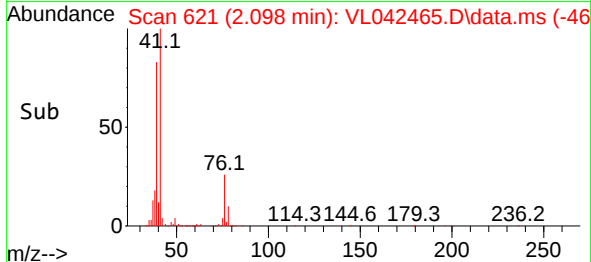
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015



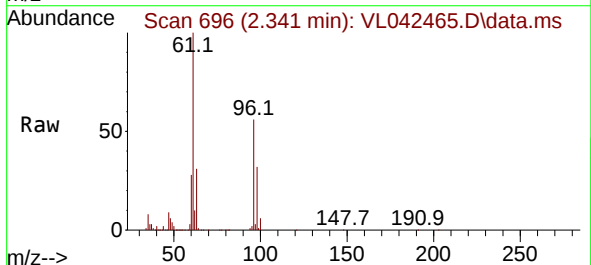
Tgt Ion: 41 Resp: 11245
 Ion Ratio Lower Upper
 41 100
 76 25.3 19.6 29.4
 39 77.4 61.0 91.4

Manual Integrations
 APPROVED

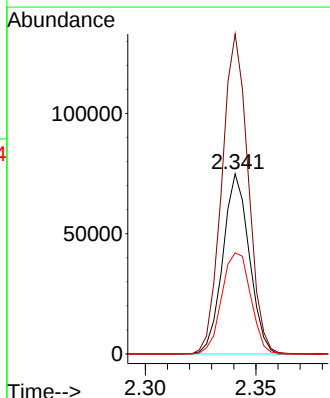
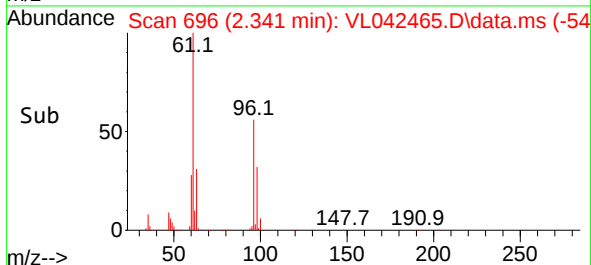
Reviewed By :Semsettin Yesilyurt 05/02/2025
 Supervised By :Mahesh Dadoda 05/05/2025

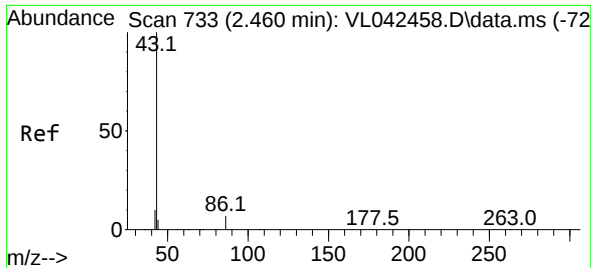


#22
 trans-1,2-Dichloroethene
 Concen: 14.534 ppbv
 RT: 2.341 min Scan# 696
 Delta R.T. 0.000 min
 Lab File: VL042465.D
 Acq: 01 May 2025 12:49



Tgt Ion: 96 Resp: 62153
 Ion Ratio Lower Upper
 96 100
 61 177.5 141.8 212.6
 98 56.1 45.0 67.6





#23
 Vinyl Acetate
 Concen: 15.489 ppbv
 RT: 2.464 min Scan# 717
 Delta R.T. 0.004 min
 Lab File: VL042465.D
 Acq: 01 May 2025 12:49

Instrument :

MSVOA_L

ClientSampleId :

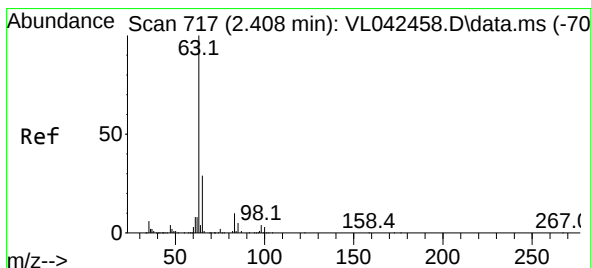
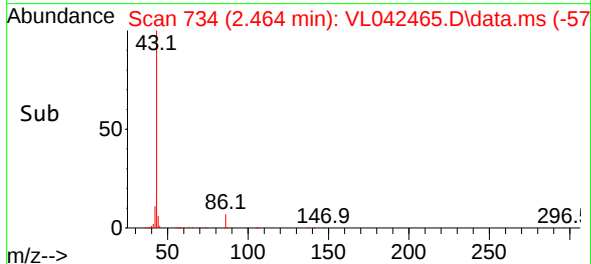
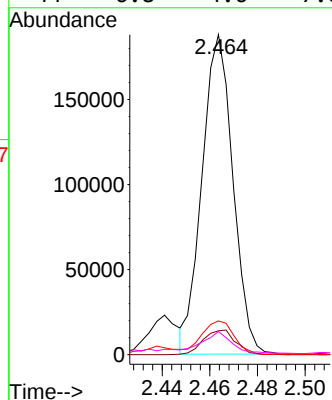
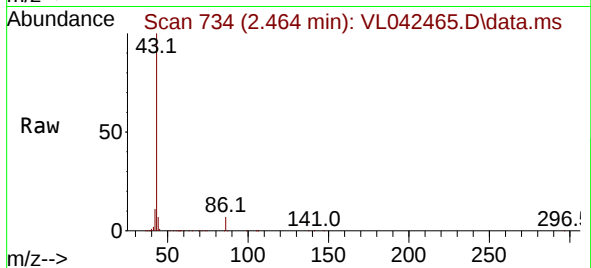
VSTDIC015

Tgt Ion: 43 Resp: 169418
 Ion Ratio Lower Upper
 43 100
 86 7.4 5.5 8.3
 42 10.5 8.3 12.5
 44 6.8 4.6 7.0

Manual Integrations

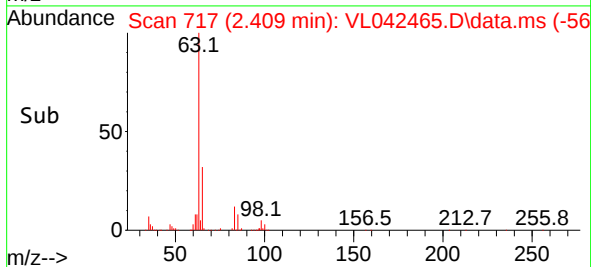
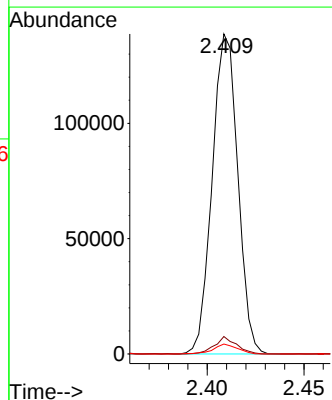
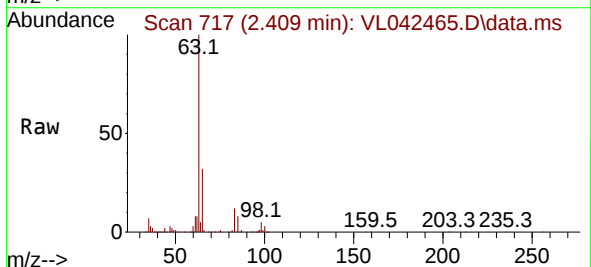
APPROVED

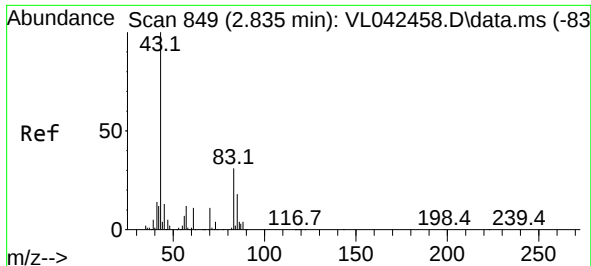
Reviewed By :Semsettin Yesilyurt 05/02/2025
 Supervised By :Mahesh Dadoda 05/05/2025



#24
 1,1-Dichloroethane
 Concen: 14.622 ppbv
 RT: 2.409 min Scan# 717
 Delta R.T. 0.000 min
 Lab File: VL042465.D
 Acq: 01 May 2025 12:49

Tgt Ion: 63 Resp: 127567
 Ion Ratio Lower Upper
 63 100
 98 5.4 1.8 5.5
 100 3.1 1.4 4.2





#25

Ethyl Acetate

Concen: 14.329 ppbv

RT: 2.836 min Scan# 849

Delta R.T. 0.000 min

Lab File: VL042465.D

Acq: 01 May 2025 12:49

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC015

Tgt Ion: 43 Resp: 269372

Ion Ratio Lower Upper

43 100

45 9.6 7.8 11.6

61 8.6 7.2 10.8

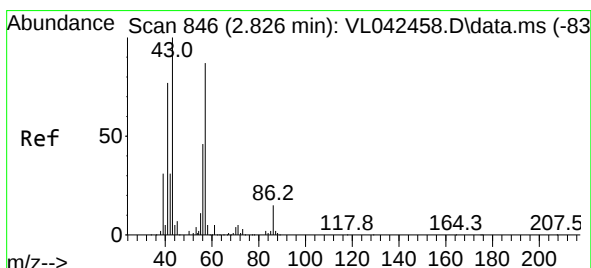
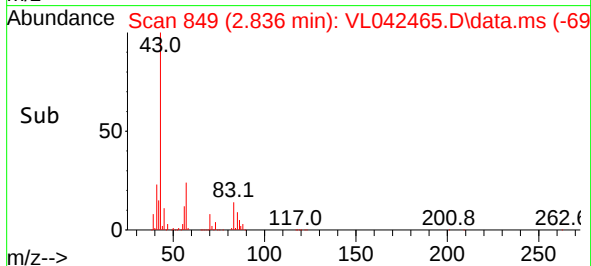
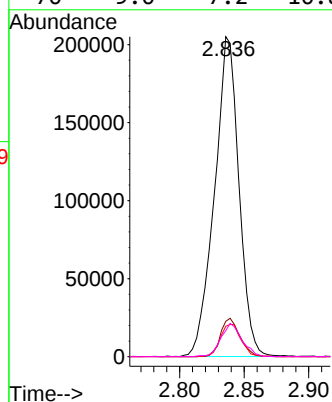
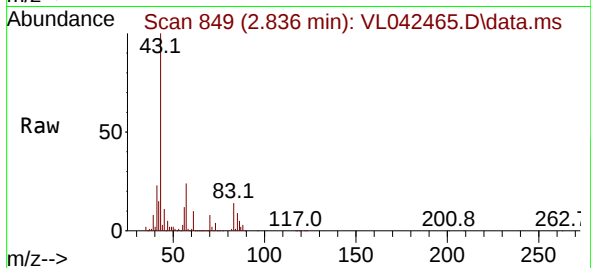
70 9.0 7.2 10.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/02/2025

Supervised By :Mahesh Dadoda 05/05/2025



#26

Hexane

Concen: 14.598 ppbv

RT: 2.826 min Scan# 846

Delta R.T. 0.000 min

Lab File: VL042465.D

Acq: 01 May 2025 12:49

Tgt Ion: 57 Resp: 119552

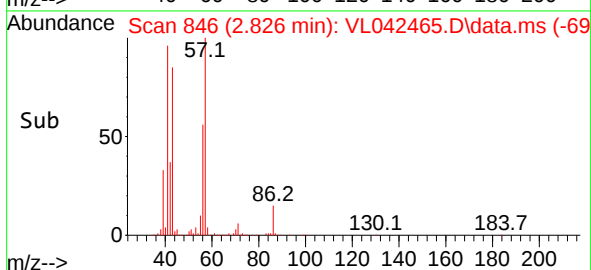
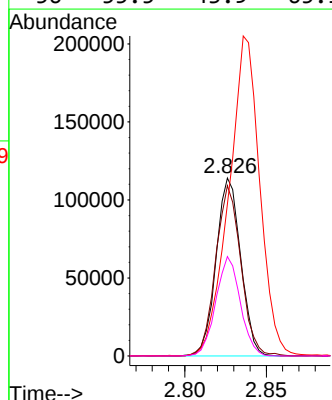
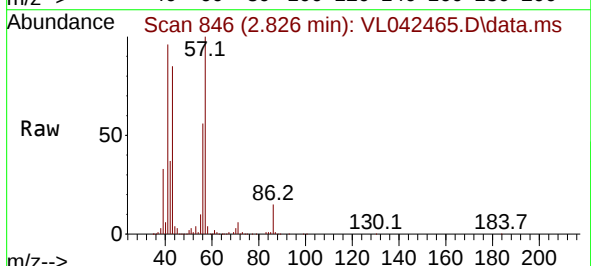
Ion Ratio Lower Upper

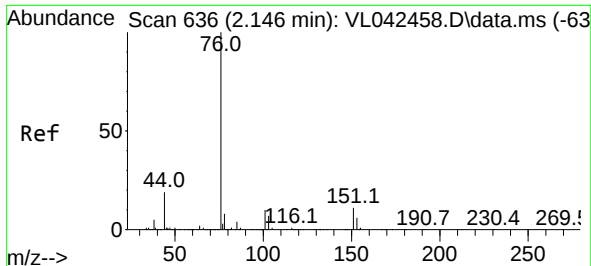
57 100

41 98.3 77.8 116.8

43 226.6 187.0 280.6

56 55.5 43.9 65.9





#27

Carbon Disulfide

Concen: 15.722 ppbv

RT: 2.150 min Scan# 61

Delta R.T. 0.004 min

Lab File: VL042465.D

Acq: 01 May 2025 12:49

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tgt Ion: 76 Resp: 150258

Ion Ratio Lower Upper

76 100

44 21.0 21.0 31.6

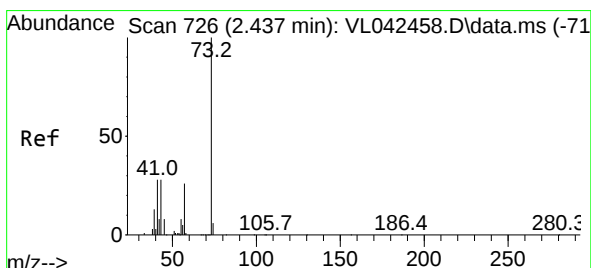
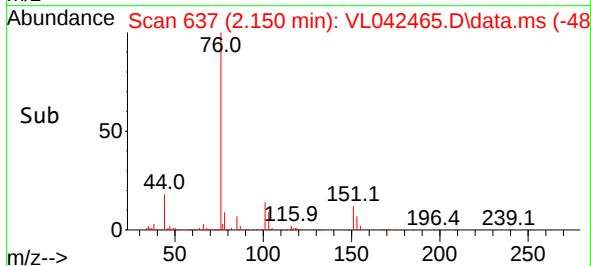
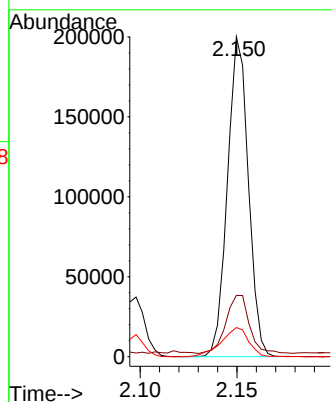
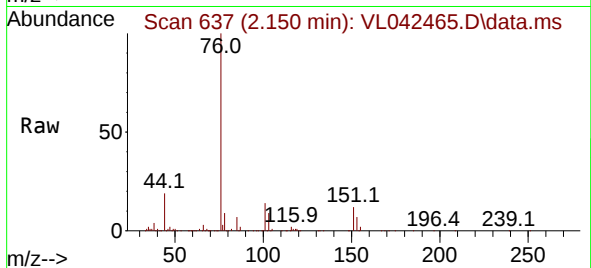
78 11.9 8.6 13.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/02/2025

Supervised By :Mahesh Dadoda 05/05/2025



#28

Methyl tert-Butyl Ether

Concen: 14.500 ppbv

RT: 2.441 min Scan# 727

Delta R.T. 0.004 min

Lab File: VL042465.D

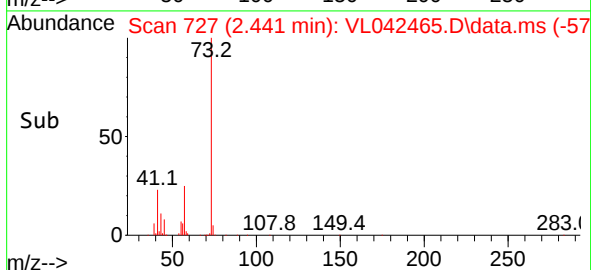
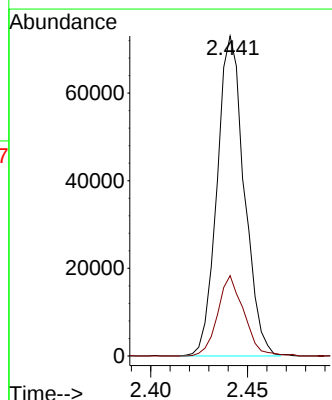
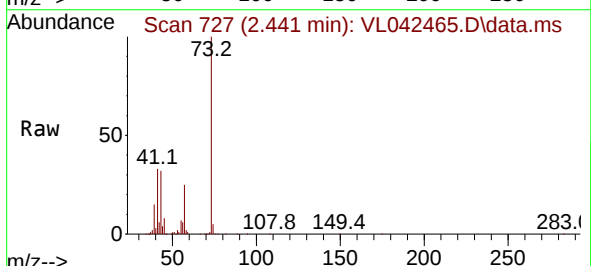
Acq: 01 May 2025 12:49

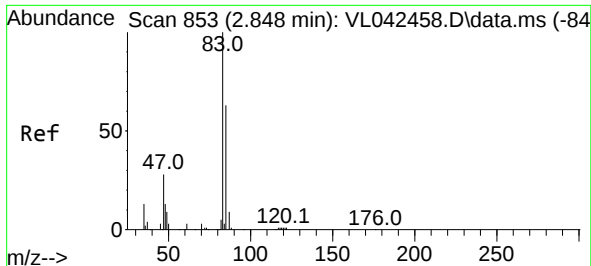
Tgt Ion: 73 Resp: 71341

Ion Ratio Lower Upper

73 100

57 24.2 19.9 29.9





#29

Chloroform

Concen: 14.464 ppbv

RT: 2.849 min Scan# 853

Delta R.T. 0.000 min

Lab File: VL042465.D

Acq: 01 May 2025 12:49

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC015

Tgt Ion: 83 Resp: 221970

Ion Ratio Lower Upper

83 100

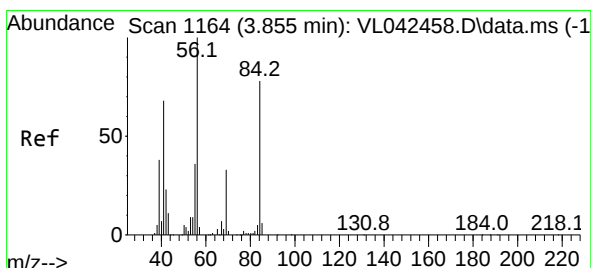
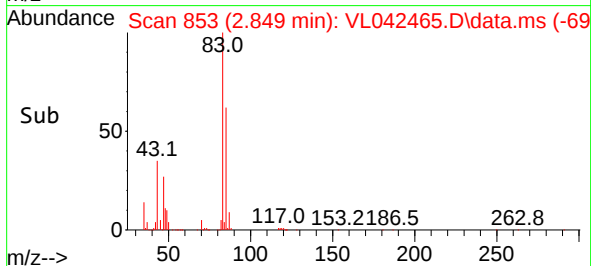
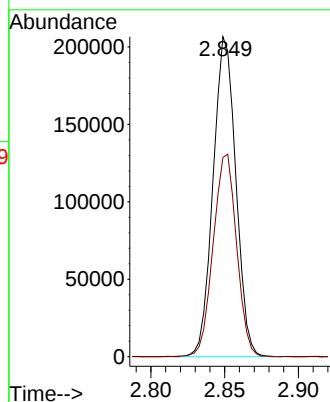
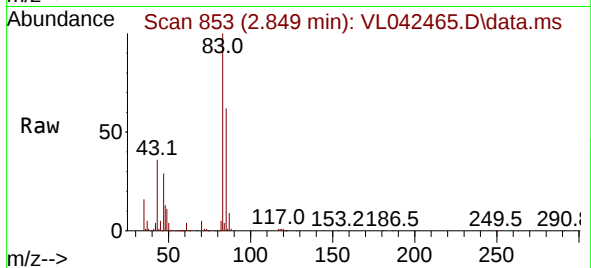
85 62.3 50.4 75.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/02/2025

Supervised By :Mahesh Dadoda 05/05/2025



#30

Cyclohexane

Concen: 14.771 ppbv

RT: 3.859 min Scan# 1165

Delta R.T. 0.004 min

Lab File: VL042465.D

Acq: 01 May 2025 12:49

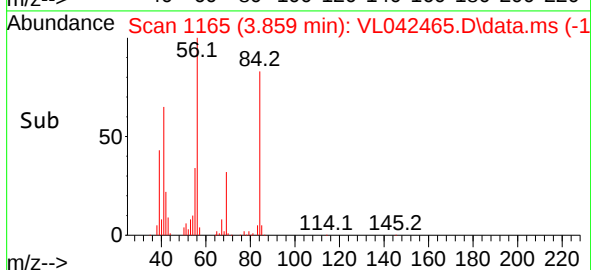
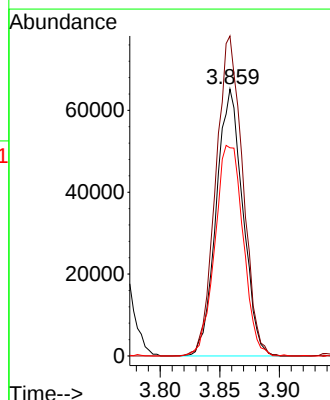
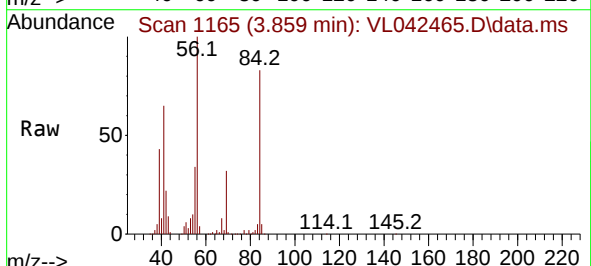
Tgt Ion: 84 Resp: 101146

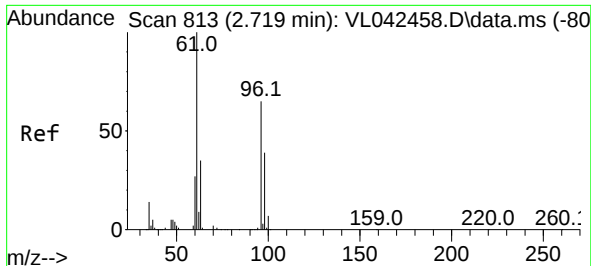
Ion Ratio Lower Upper

84 100

56 121.4 98.1 147.1

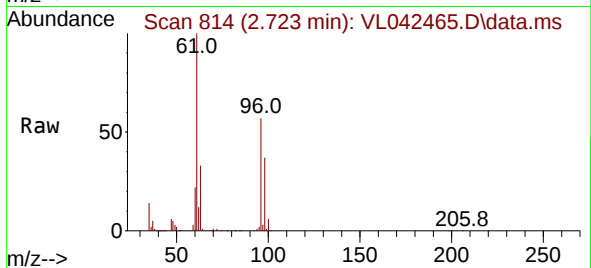
41 83.9 65.8 98.8





#31
 cis-1,2-Dichloroethene
 Concen: 13.997 ppbv
 RT: 2.723 min Scan# 813
 Delta R.T. 0.004 min
 Lab File: VL042465.D
 Acq: 01 May 2025 12:49

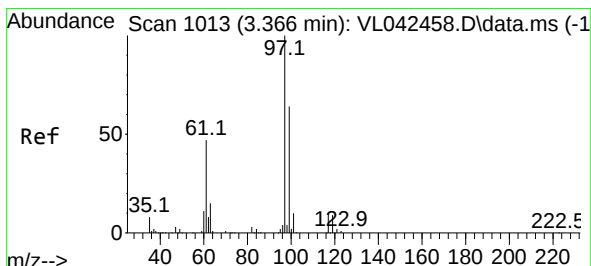
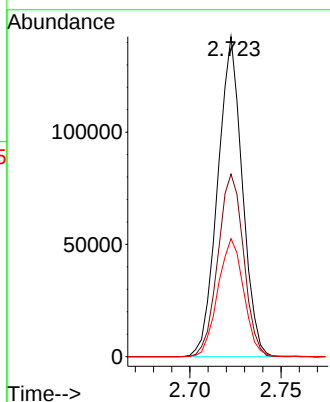
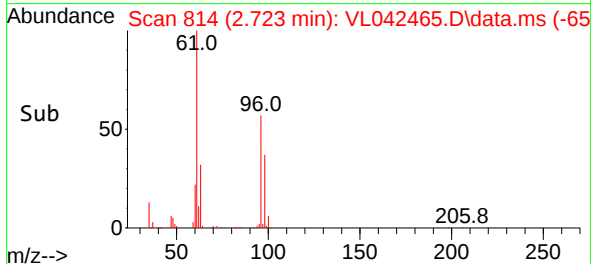
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015



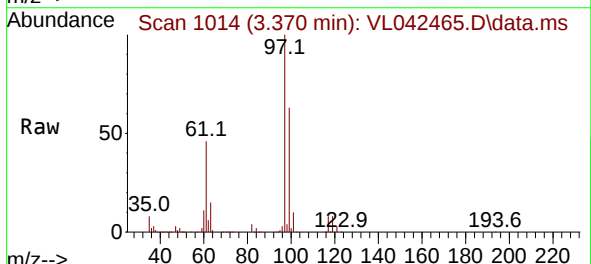
Tgt Ion: 61 Resp: 133735
 Ion Ratio Lower Upper
 61 100
 96 57.0 52.0 78.0
 98 36.9 31.0 46.6

Manual Integrations
 APPROVED

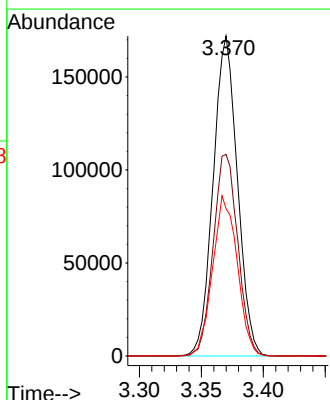
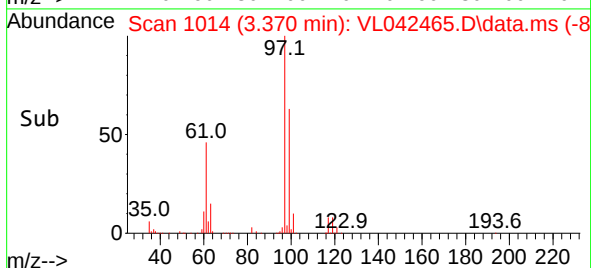
Reviewed By :Semsettin Yesilyurt 05/02/2025
 Supervised By :Mahesh Dadoda 05/05/2025

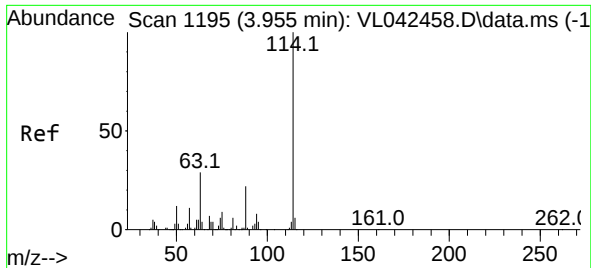


#32
 1,1,1-Trichloroethane
 Concen: 14.099 ppbv
 RT: 3.370 min Scan# 1014
 Delta R.T. 0.004 min
 Lab File: VL042465.D
 Acq: 01 May 2025 12:49



Tgt Ion: 97 Resp: 234752
 Ion Ratio Lower Upper
 97 100
 99 63.9 50.7 76.1
 61 50.8 40.9 61.3





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.962 min Scan# 1197

Delta R.T. 0.007 min

Lab File: VL042465.D

Acq: 01 May 2025 12:49

Instrument :

MSVOA_L

ClientSampleId :

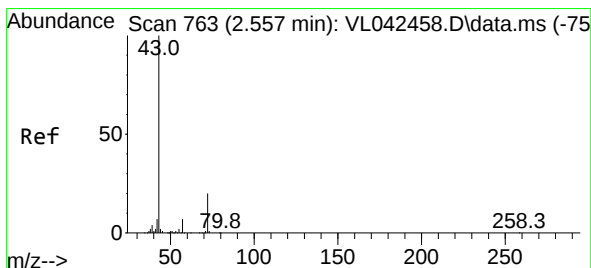
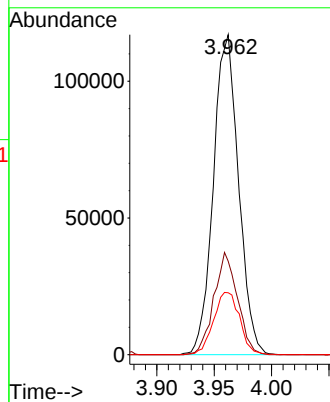
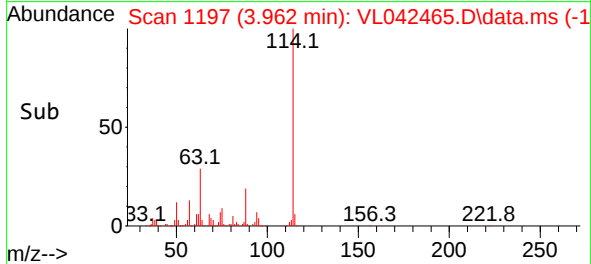
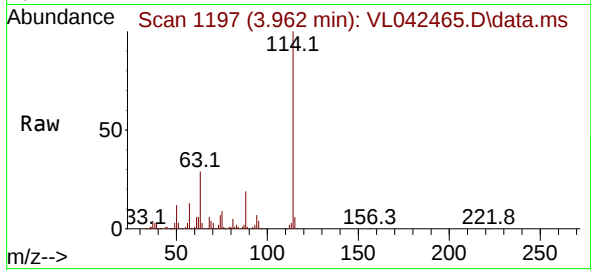
VSTDIC015

Tgt Ion:114 Resp: 17887
 Ion Ratio Lower Upper
 114 100
 63 30.0 23.1 34.7
 88 20.2 16.1 24.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/02/2025
 Supervised By :Mahesh Dadoda 05/05/2025



#34

2-Butanone

Concen: 13.488 ppbv

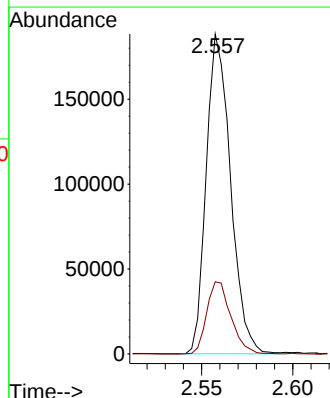
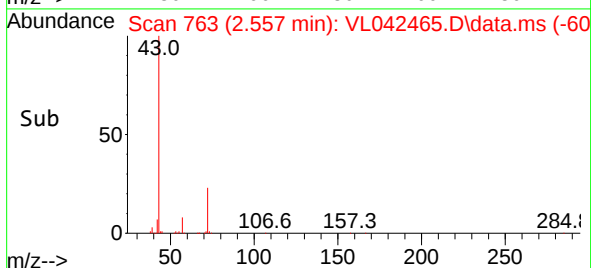
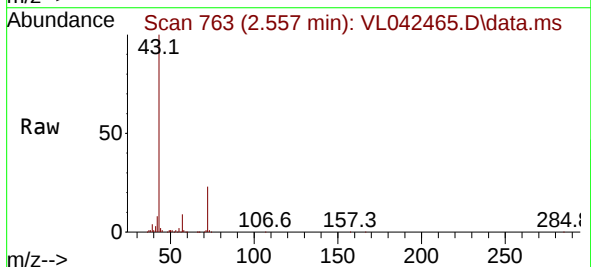
RT: 2.557 min Scan# 763

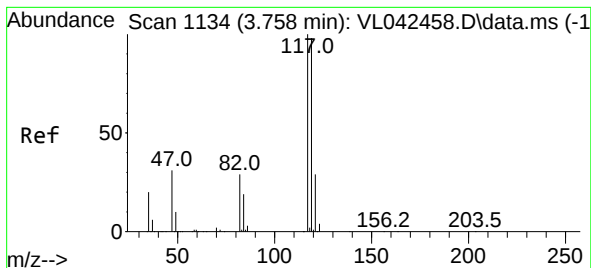
Delta R.T. 0.000 min

Lab File: VL042465.D

Acq: 01 May 2025 12:49

Tgt Ion: 43 Resp: 174521
 Ion Ratio Lower Upper
 43 100
 72 22.5 16.7 25.1





#35

Carbon Tetrachloride

Concen: 15.566 ppbv

RT: 3.765 min Scan# 1134

Delta R.T. 0.007 min

Lab File: VL042465.D

Acq: 01 May 2025 12:49

Instrument :

MSVOA_L

ClientSampleId :

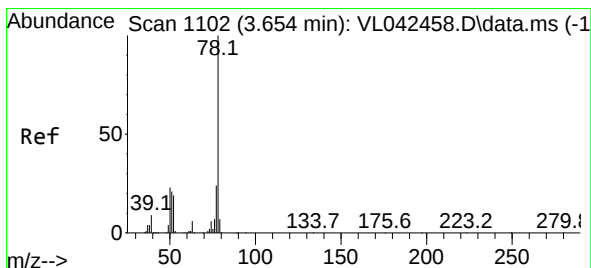
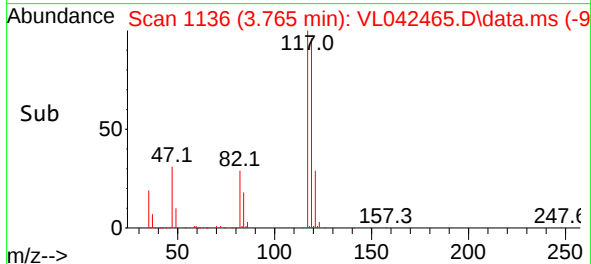
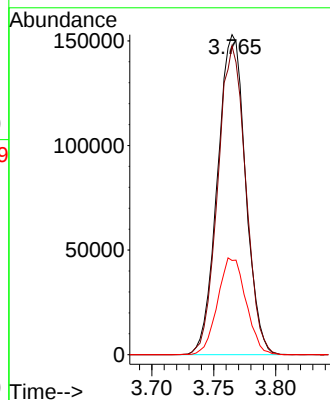
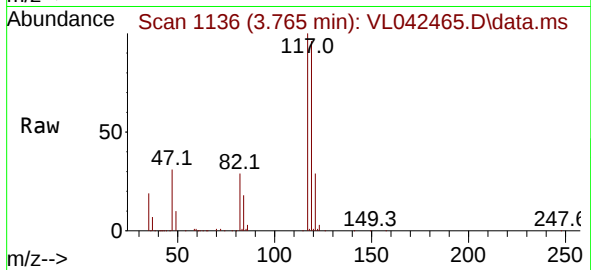
VSTDICC015

Tgt Ion:117	Resp: 242144
Ion Ratio	Lower Upper
117 100	
119 96.4	78.1 117.1
121 29.4	23.0 34.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/02/2025
Supervised By :Mahesh Dadoda 05/05/2025



#36

Benzene

Concen: 14.179 ppbv

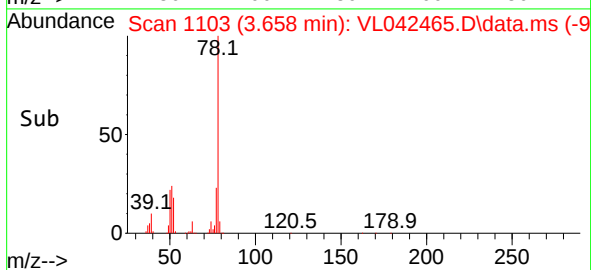
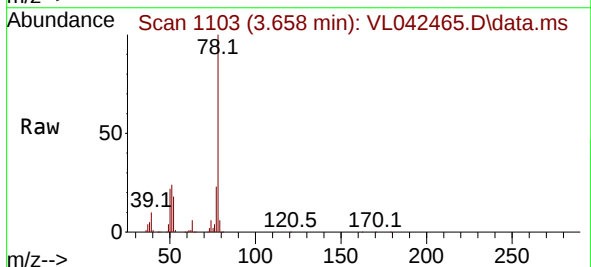
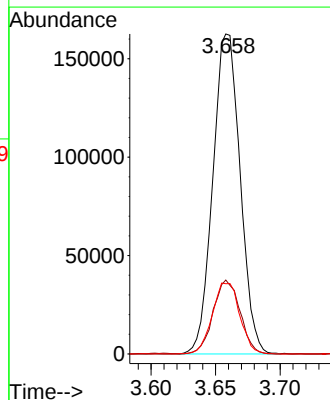
RT: 3.658 min Scan# 1103

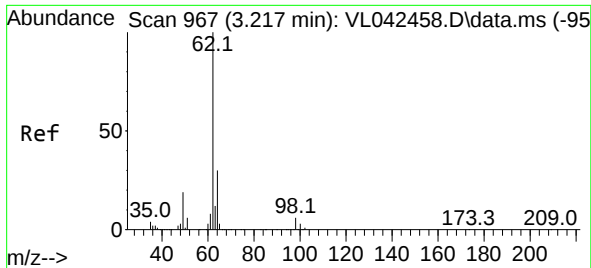
Delta R.T. 0.004 min

Lab File: VL042465.D

Acq: 01 May 2025 12:49

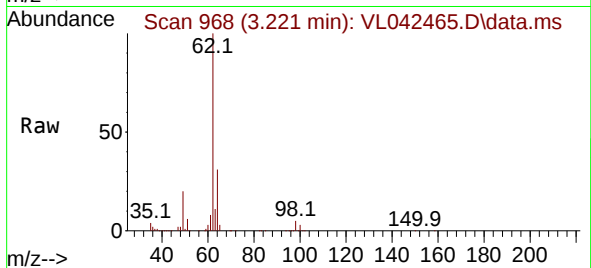
Tgt Ion: 78	Resp: 239352
Ion Ratio	Lower Upper
78 100	
77 23.1	18.9 28.3
50 22.0	18.4 27.6





#37
1,2-Dichloroethane
Concen: 14.618 ppbv
RT: 3.221 min Scan# 968
Delta R.T. 0.004 min
Lab File: VL042465.D
Acq: 01 May 2025 12:49

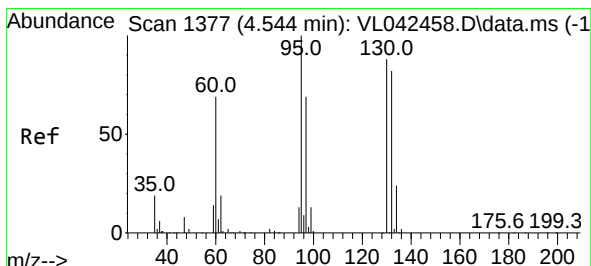
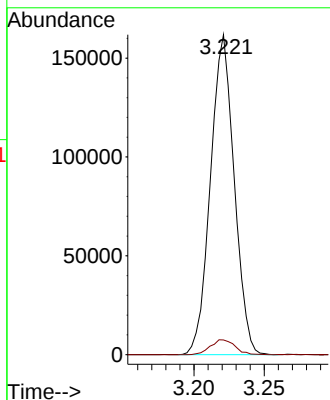
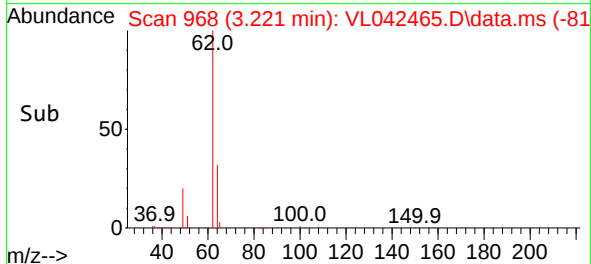
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



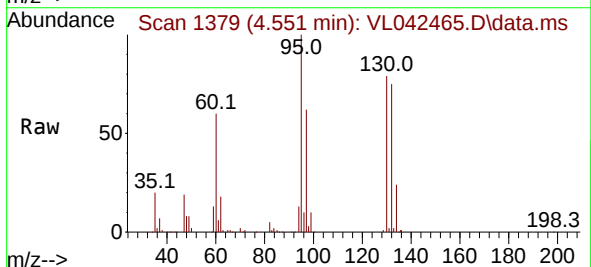
Tgt Ion: 62 Resp: 190179
Ion Ratio Lower Upper
62 100
98 4.9 4.3 6.5

Manual Integrations
APPROVED

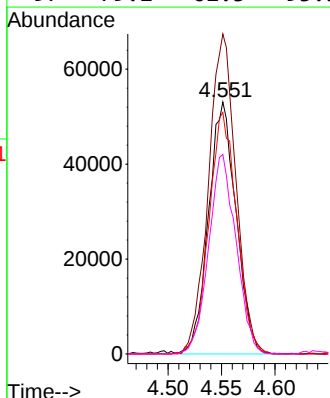
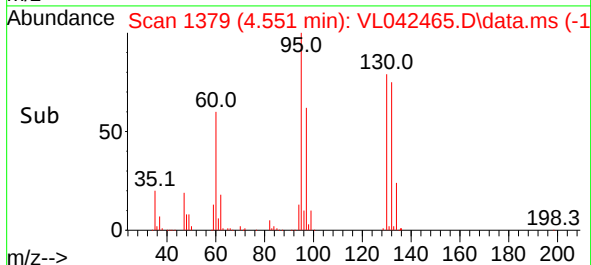
Reviewed By :Semsettin Yesilyurt 05/02/2025
Supervised By :Mahesh Dadoda 05/05/2025

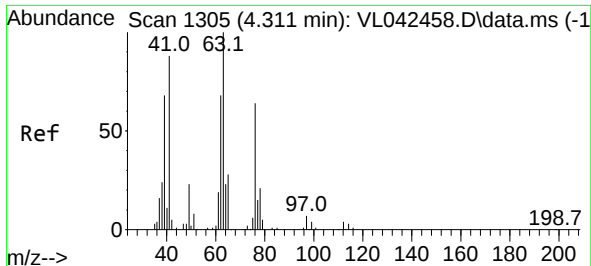


#38
Trichloroethene
Concen: 14.798 ppbv
RT: 4.551 min Scan# 1379
Delta R.T. 0.007 min
Lab File: VL042465.D
Acq: 01 May 2025 12:49



Tgt Ion:130 Resp: 95257
Ion Ratio Lower Upper
130 100
95 127.0 91.0 136.4
132 95.5 74.2 111.4
97 79.2 62.3 93.5





#39

1,2-Dichloropropane

Concen: 13.349 ppbv

RT: 4.312 min Scan# 1305

Delta R.T. 0.000 min

Lab File: VL042465.D

Acq: 01 May 2025 12:49

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC015

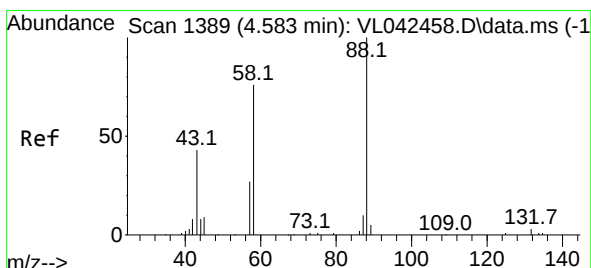
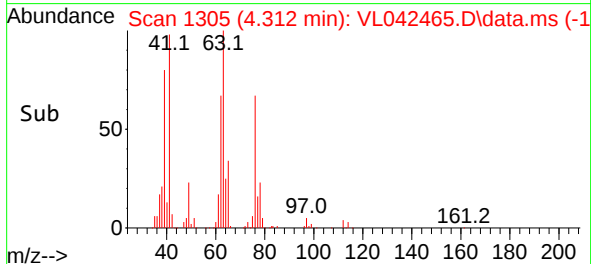
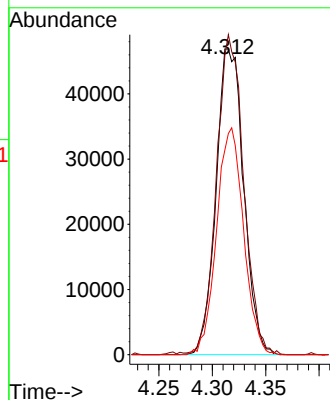
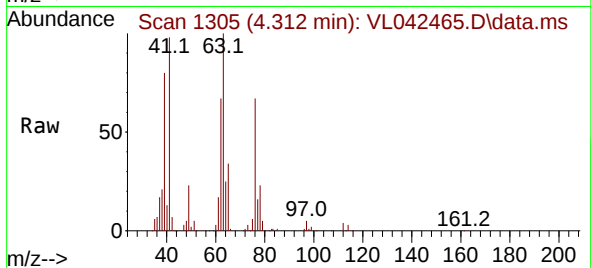
Tgt Ion: 63 Resp: 84414

Ion	Ratio	Lower	Upper
63	100		
41	97.5	69.8	104.6
62	66.9	54.3	81.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/02/2025
Supervised By :Mahesh Dadoda 05/05/2025



#40

1,4-Dioxane

Concen: 13.115 ppbv

RT: 4.584 min Scan# 1389

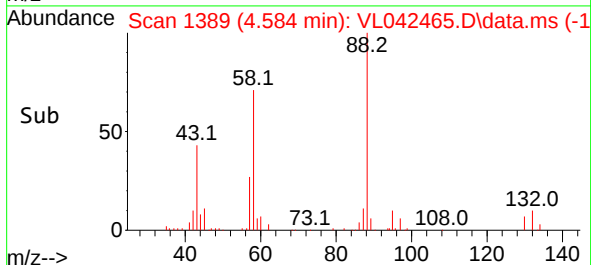
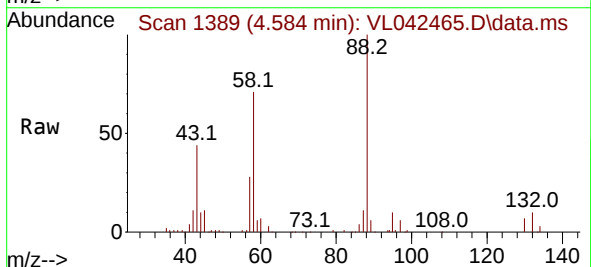
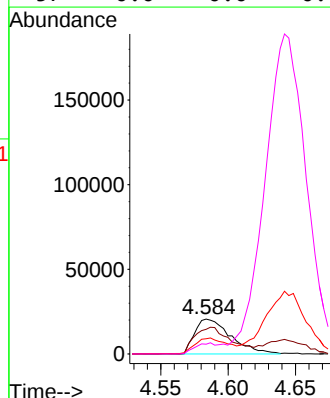
Delta R.T. 0.000 min

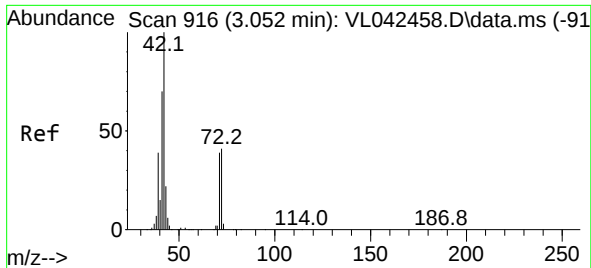
Lab File: VL042465.D

Acq: 01 May 2025 12:49

Tgt Ion: 88 Resp: 38551

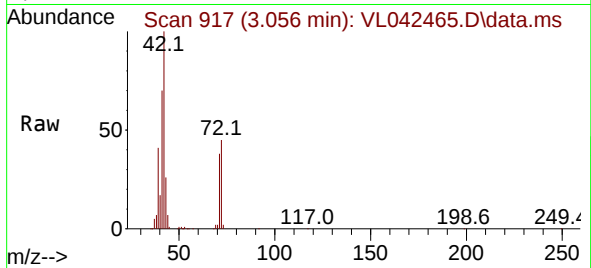
Ion	Ratio	Lower	Upper
88	100		
58	75.4	0.0	0.0#
43	41.6	0.0	0.0#
57	0.0	0.0	0.0





#41
Tetrahydrofuran
Concen: 14.063 ppbv
RT: 3.056 min Scan# 916
Delta R.T. 0.004 min
Lab File: VL042465.D
Acq: 01 May 2025 12:49

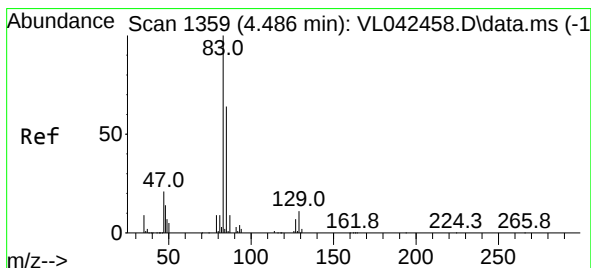
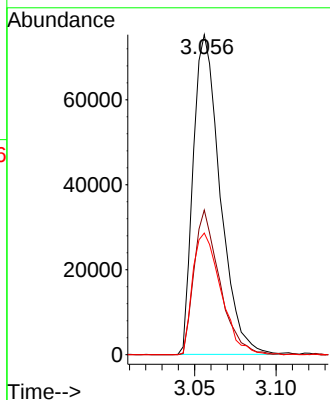
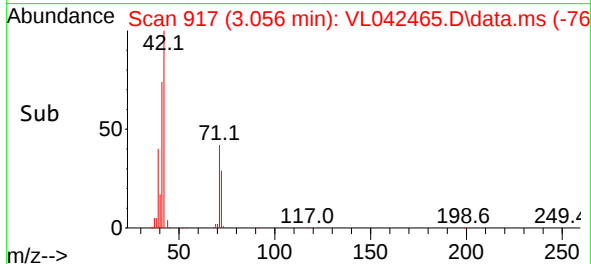
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015



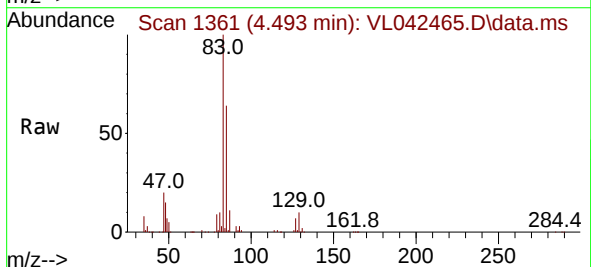
Tgt Ion: 42 Resp: 86290
Ion Ratio Lower Upper
42 100
72 43.3 33.5 50.3
71 40.1 32.6 49.0

Manual Integrations
APPROVED

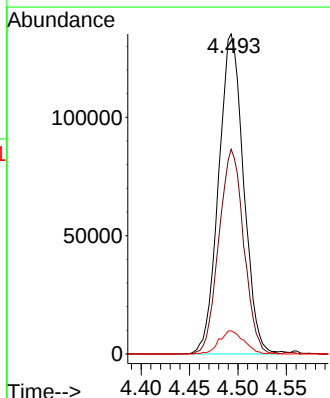
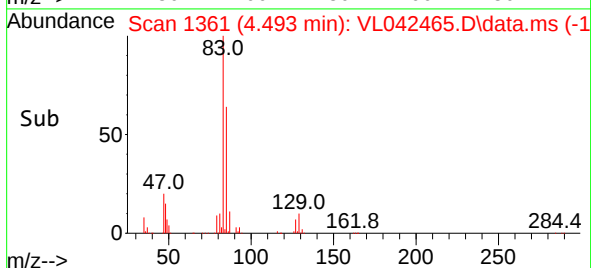
Reviewed By :Semsettin Yesilyurt 05/02/2025
Supervised By :Mahesh Dadoda 05/05/2025

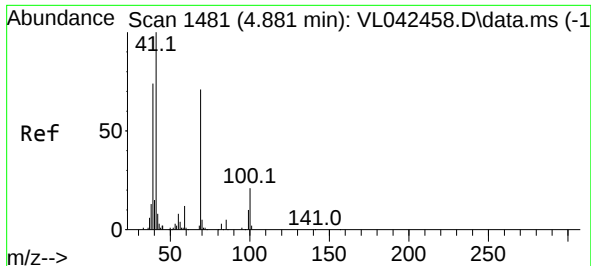


#42
Bromodichloromethane
Concen: 15.259 ppbv
RT: 4.493 min Scan# 1361
Delta R.T. 0.007 min
Lab File: VL042465.D
Acq: 01 May 2025 12:49



Tgt Ion: 83 Resp: 242556
Ion Ratio Lower Upper
83 100
85 63.9 51.5 77.3
127 7.3 5.4 8.2





#43
Methyl Methacrylate
Concen: 15.639 ppbv
RT: 4.885 min Scan# 1481
Delta R.T. 0.004 min
Lab File: VL042465.D
Acq: 01 May 2025 12:49

Instrument :

MSVOA_L

ClientSampleId :

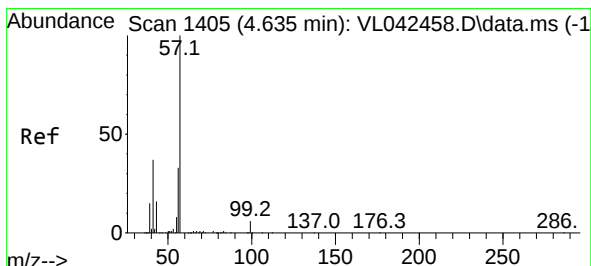
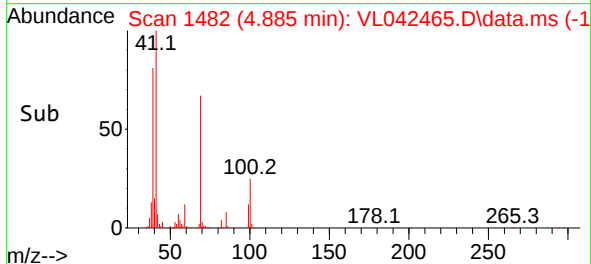
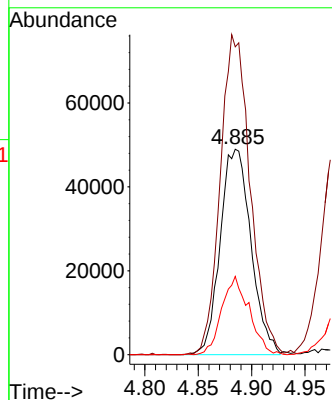
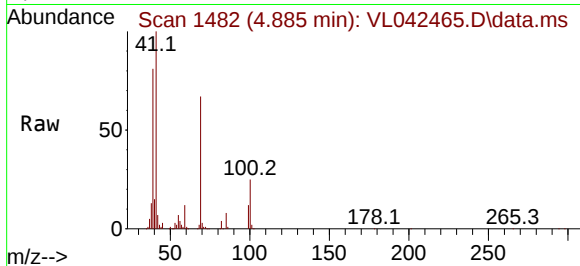
VSTDICC015

Tgt Ion: 69 Resp: 98279
Ion Ratio Lower Upper
69 100
41 151.1 120.8 181.2
100 34.0 26.7 40.1

Manual Integrations

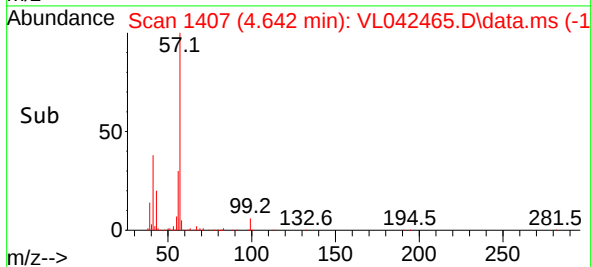
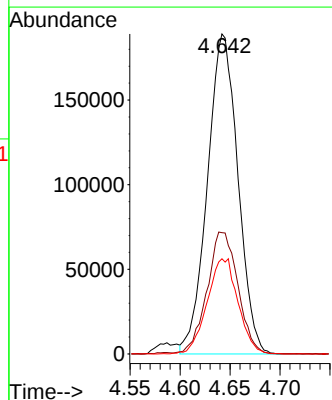
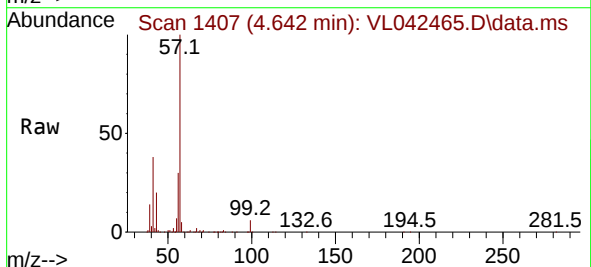
APPROVED

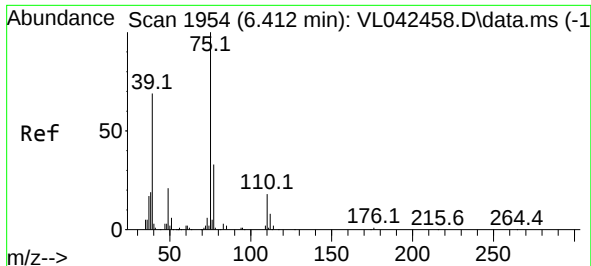
Reviewed By :Semsettin Yesilyurt 05/02/2025
Supervised By :Mahesh Dadoda 05/05/2025



#44
2,2,4-Trimethylpentane
Concen: 14.734 ppbv
RT: 4.642 min Scan# 1407
Delta R.T. 0.007 min
Lab File: VL042465.D
Acq: 01 May 2025 12:49

Tgt Ion: 57 Resp: 401920
Ion Ratio Lower Upper
57 100
41 38.8 30.6 45.8
56 30.1 25.0 37.6





#45

t-1,3-Dichloropropene

Concen: 16.529 ppbv

RT: 6.419 min Scan# 1954

Delta R.T. 0.007 min

Lab File: VL042465.D

Acq: 01 May 2025 12:49

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC015

Tgt Ion: 75 Resp: 136762

Ion Ratio Lower Upper

75 100

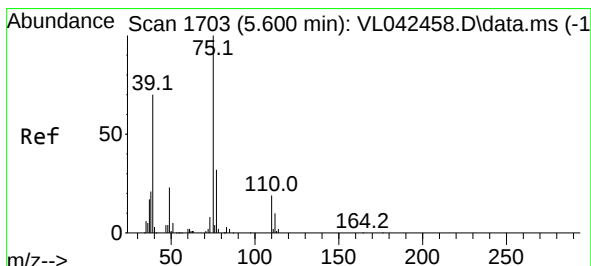
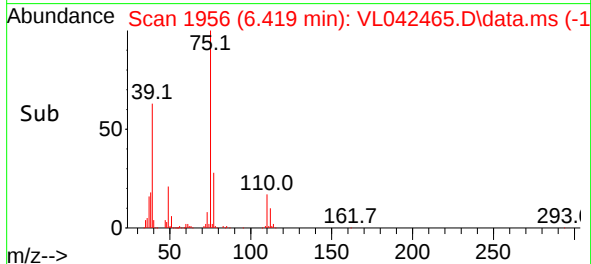
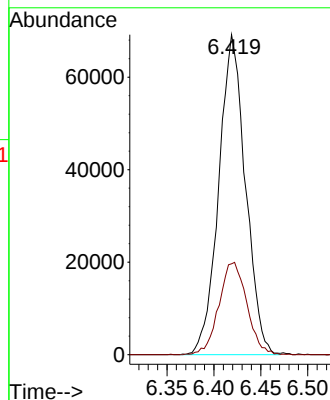
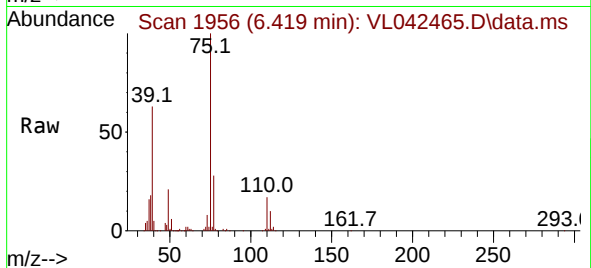
77 28.4 26.3 39.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/02/2025

Supervised By :Mahesh Dadoda 05/05/2025



#46

cis-1,3-Dichloropropene

Concen: 15.749 ppbv m

RT: 5.600 min Scan# 1703

Delta R.T. 0.000 min

Lab File: VL042465.D

Acq: 01 May 2025 12:49

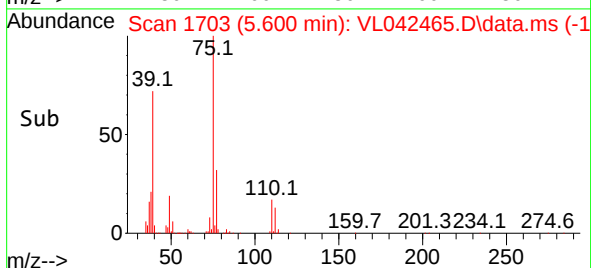
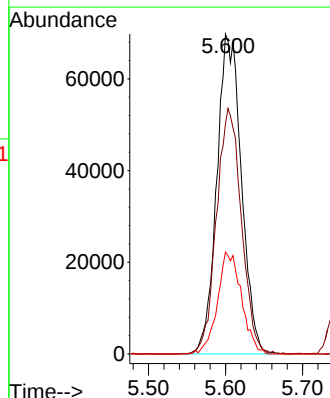
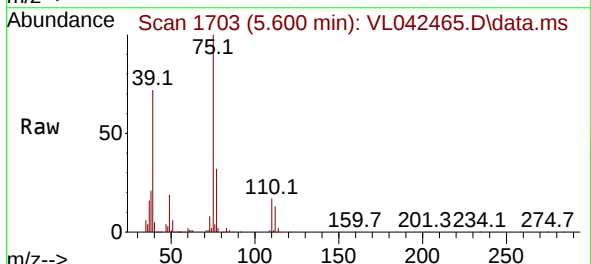
Tgt Ion: 75 Resp: 154705

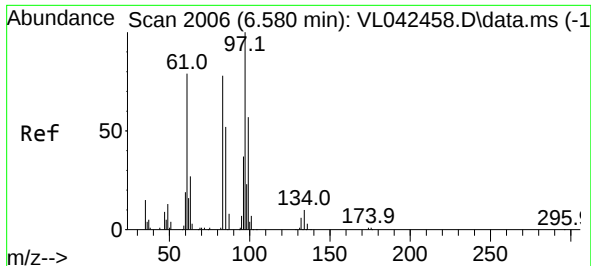
Ion Ratio Lower Upper

75 100

39 72.0 55.7 83.5

77 31.9 25.8 38.8





#47
1,1,2-Trichloroethane
Concen: 14.356 ppbv
RT: 6.587 min Scan# 2006
Delta R.T. 0.007 min
Lab File: VL042465.D
Acq: 01 May 2025 12:49

Instrument :

MSVOA_L

ClientSampleId :

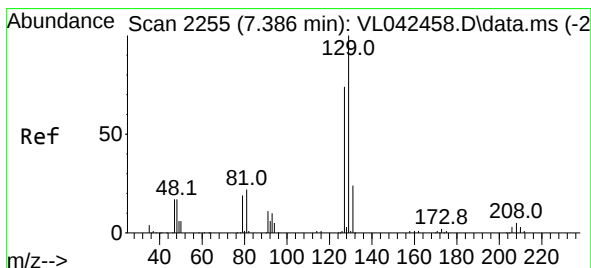
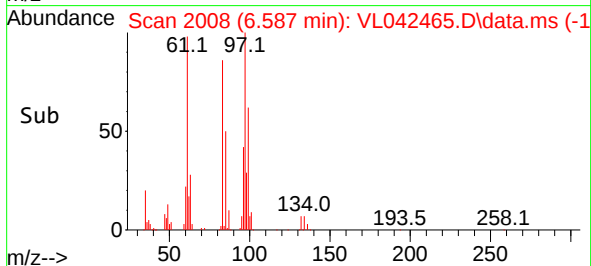
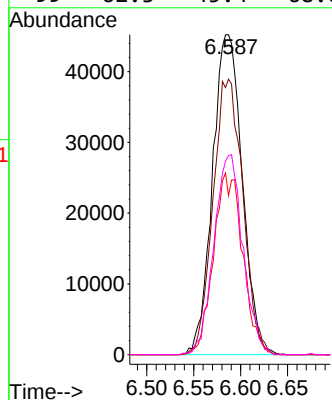
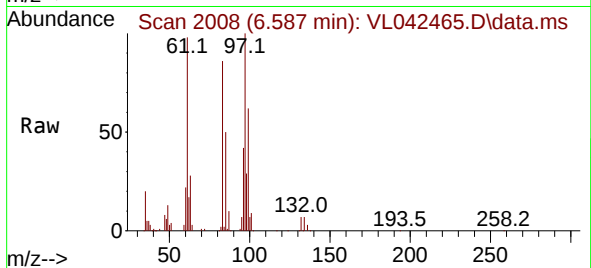
VSTDIC015

Tgt Ion	Ratio	Lower	Upper
97	100		
83	86.1	62.2	93.2
85	49.7	41.5	62.3
99	62.3	45.4	68.0

Manual Integrations

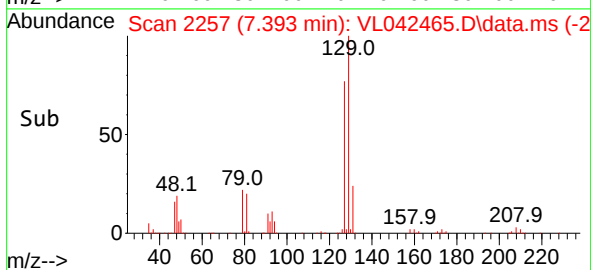
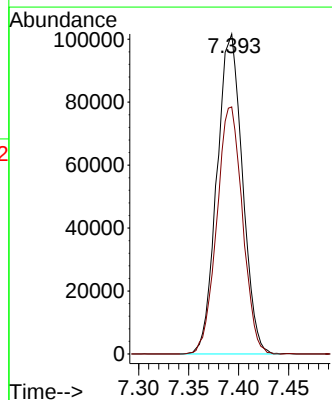
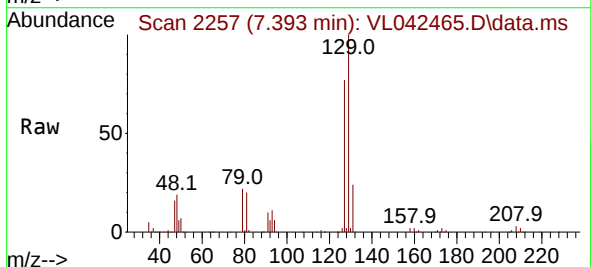
APPROVED

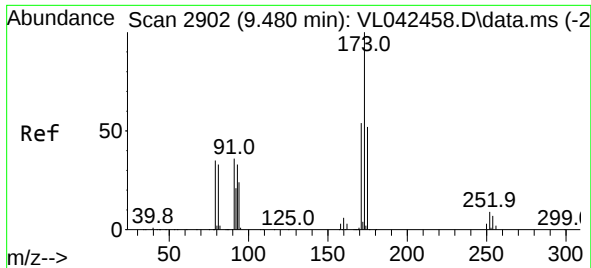
Reviewed By :Semsettin Yesilyurt 05/02/2025
Supervised By :Mahesh Dadoda 05/05/2025



#48
Dibromochloromethane
Concen: 15.468 ppbv
RT: 7.393 min Scan# 2257
Delta R.T. 0.007 min
Lab File: VL042465.D
Acq: 01 May 2025 12:49

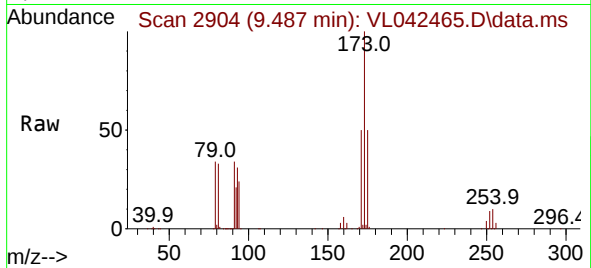
Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.7	39.5	118.5





#49
Bromoform
Concen: 15.535 ppbv
RT: 9.487 min Scan# 2902
Delta R.T. 0.007 min
Lab File: VL042465.D
Acq: 01 May 2025 12:49

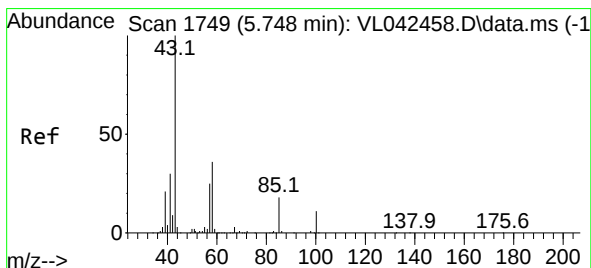
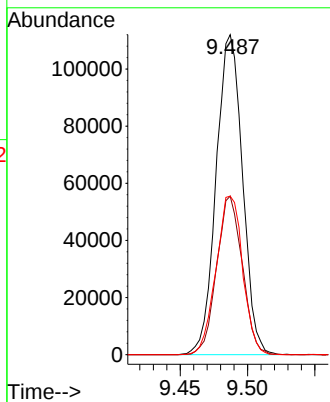
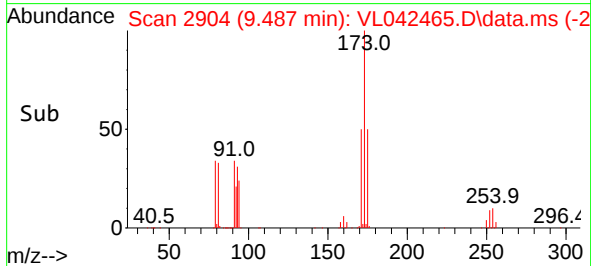
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



Tgt Ion:173 Resp: 152440
Ion Ratio Lower Upper
173 100
175 48.2 38.9 58.3
171 50.0 40.6 60.8

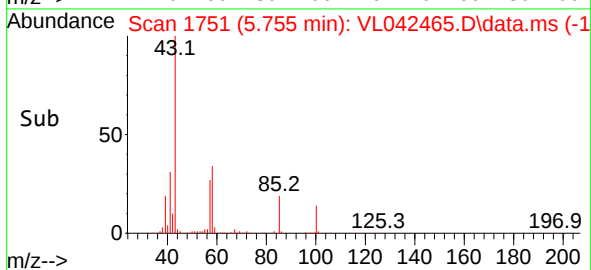
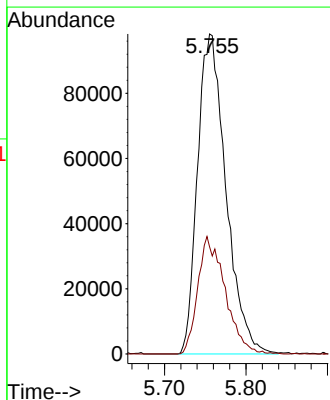
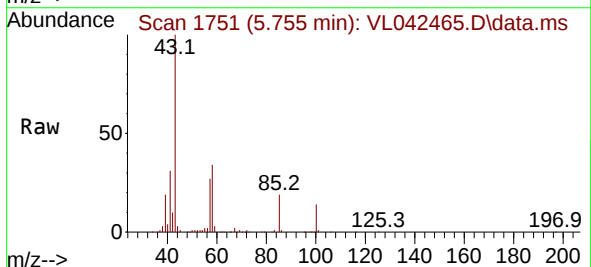
Manual Integrations
APPROVED

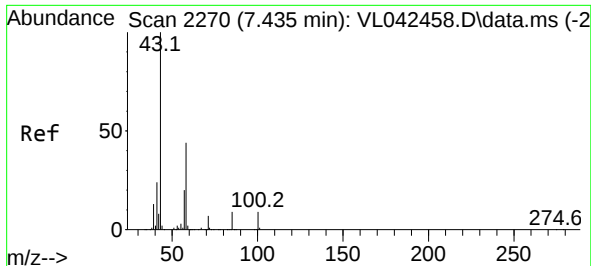
Reviewed By :Semsettin Yesilyurt 05/02/2025
Supervised By :Mahesh Dadoda 05/05/2025



#50
4-Methyl-2-Pentanone
Concen: 14.550 ppbv
RT: 5.755 min Scan# 1751
Delta R.T. 0.007 min
Lab File: VL042465.D
Acq: 01 May 2025 12:49

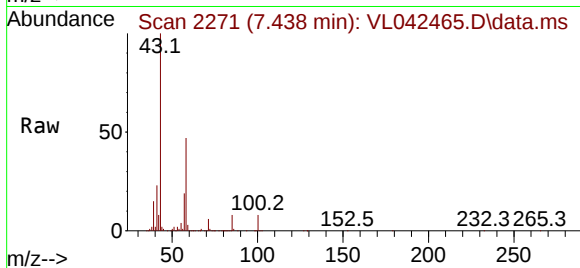
Tgt Ion: 43 Resp: 237985
Ion Ratio Lower Upper
43 100
58 35.3 29.5 44.3





#51
2-Hexanone
Concen: 15.071 ppbv
RT: 7.438 min Scan# 21
Delta R.T. 0.004 min
Lab File: VL042465.D
Acq: 01 May 2025 12:49

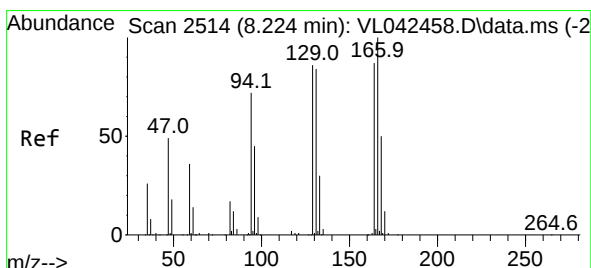
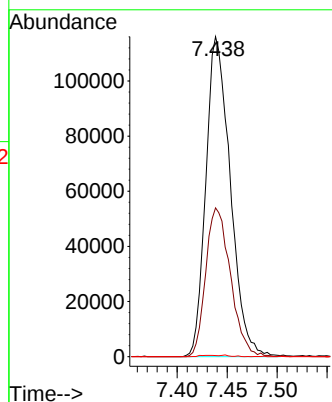
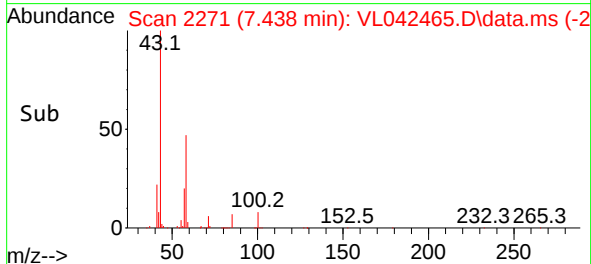
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015



Tgt Ion: 43 Resp: 19742
Ion Ratio Lower Upper
43 100
58 47.2 37.2 55.8
98 0.6 0.4 0.6

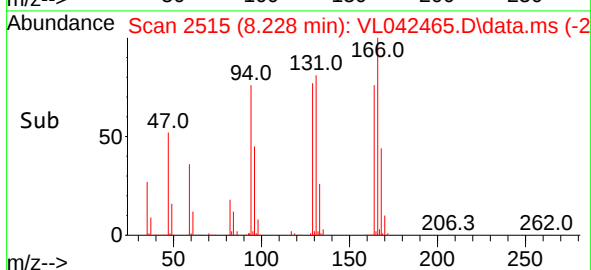
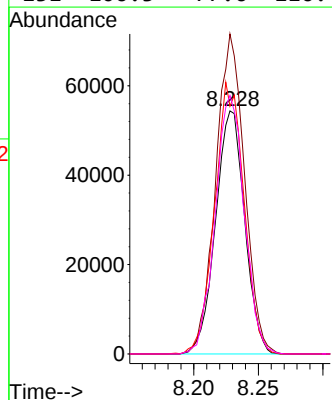
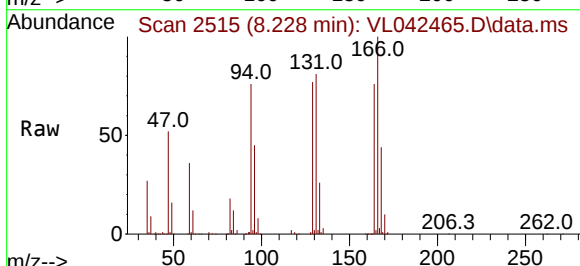
Manual Integrations
APPROVED

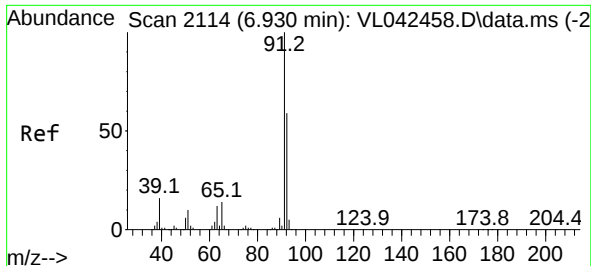
Reviewed By :Semsettin Yesilyurt 05/02/2025
Supervised By :Mahesh Dadoda 05/05/2025



#52
Tetrachloroethene
Concen: 13.272 ppbv
RT: 8.228 min Scan# 2515
Delta R.T. 0.004 min
Lab File: VL042465.D
Acq: 01 May 2025 12:49

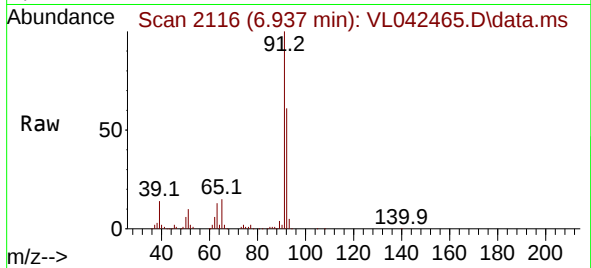
Tgt Ion:164 Resp: 85271
Ion Ratio Lower Upper
164 100
166 131.7 91.6 137.4
129 101.9 79.0 118.4
131 106.3 77.6 116.4





#53
Toluene
Concen: 15.768 ppbv
RT: 6.937 min Scan# 2114
Delta R.T. 0.007 min
Lab File: VL042465.D
Acq: 01 May 2025 12:49

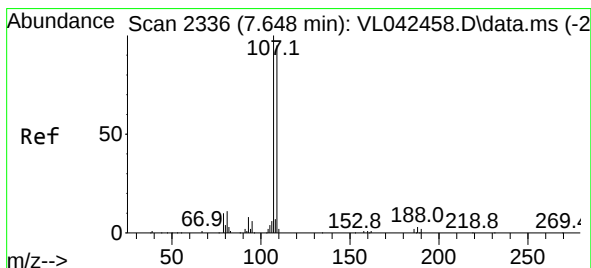
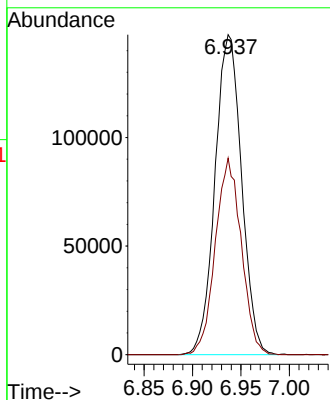
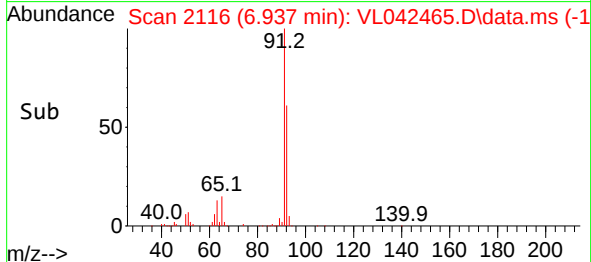
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015



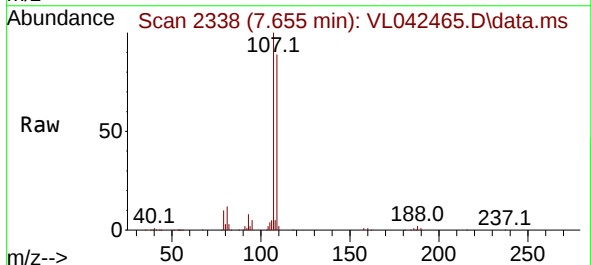
Tgt Ion: 91 Resp: 28173
Ion Ratio Lower Upper
91 100
92 59.8 47.9 71.9

Manual Integrations
APPROVED

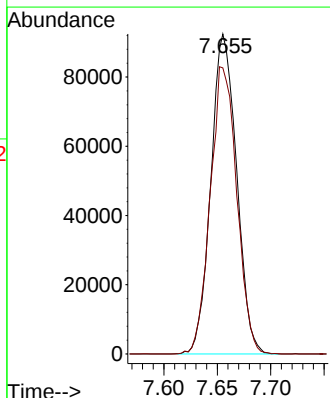
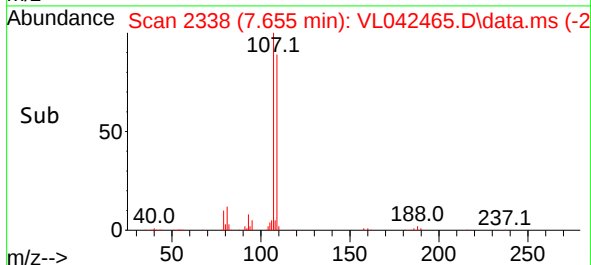
Reviewed By :Semsettin Yesilyurt 05/02/2025
Supervised By :Mahesh Dadoda 05/05/2025

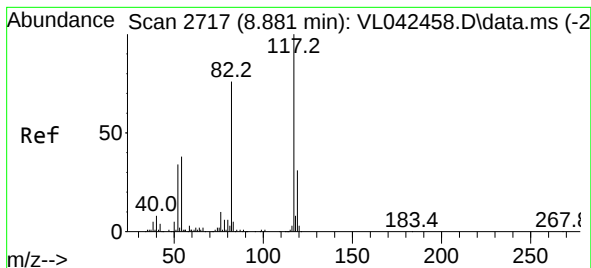


#54
1,2-Dibromoethane
Concen: 14.523 ppbv
RT: 7.655 min Scan# 2338
Delta R.T. 0.007 min
Lab File: VL042465.D
Acq: 01 May 2025 12:49



Tgt Ion:107 Resp: 154739
Ion Ratio Lower Upper
107 100
109 89.3 76.0 114.0





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.885 min Scan# 2717

Delta R.T. 0.004 min

Lab File: VL042465.D

Acq: 01 May 2025 12:49

Instrument :

MSVOA_L

ClientSampleId :

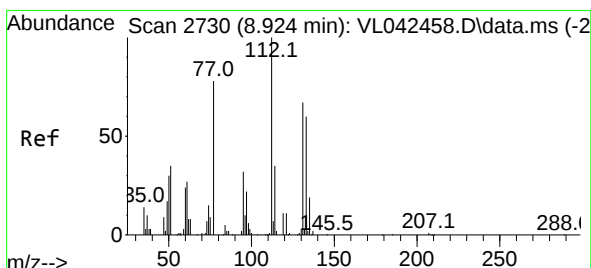
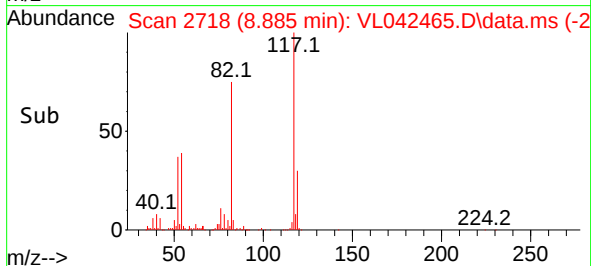
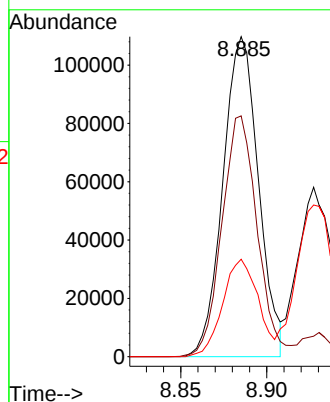
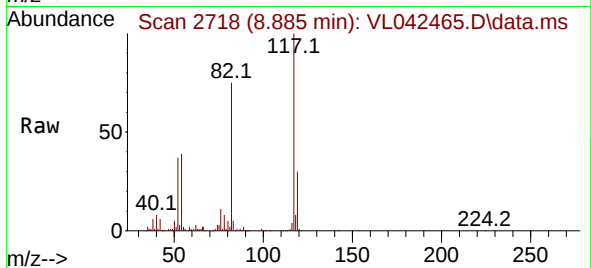
VSTDICC015

Tgt Ion:	117	Resp:	15767
Ion Ratio	Lower	Upper	
117	100		
82	80.9	63.5	95.3
119	29.8	25.8	38.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/02/2025
Supervised By :Mahesh Dadoda 05/05/2025



#56

1,1,1,2-Tetrachloroethane

Concen: 14.326 ppbv

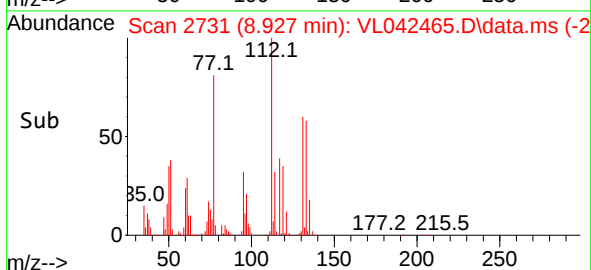
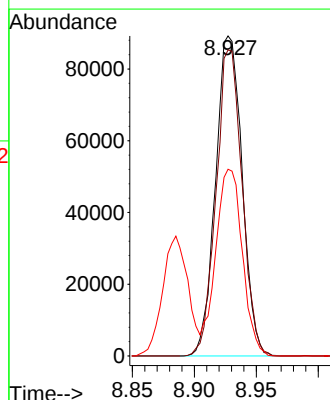
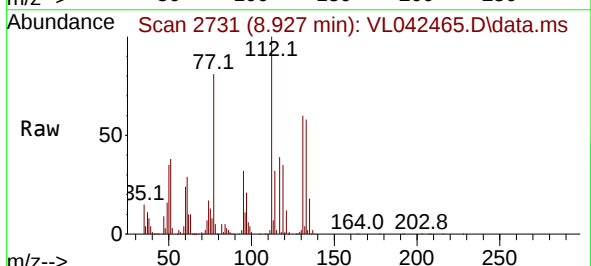
RT: 8.927 min Scan# 2731

Delta R.T. 0.004 min

Lab File: VL042465.D

Acq: 01 May 2025 12:49

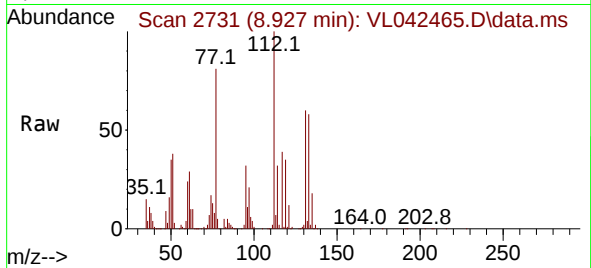
Tgt Ion:	131	Resp:	133410
Ion Ratio	Lower	Upper	
131	100		
133	93.6	76.0	114.0
119	59.4	46.1	69.1





#57
Chlorobenzene
Concen: 13.783 ppbv
RT: 8.927 min Scan# 218370
Delta R.T. 0.007 min
Lab File: VL042465.D
Acq: 01 May 2025 12:49

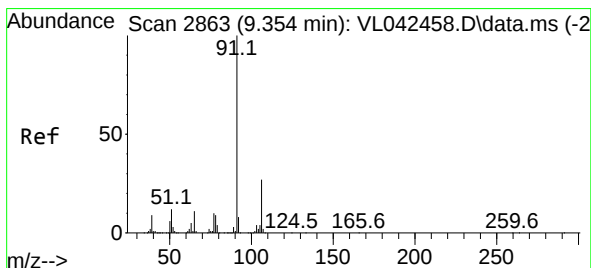
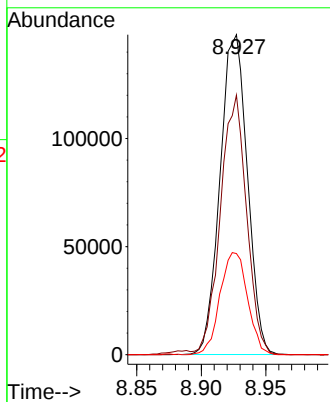
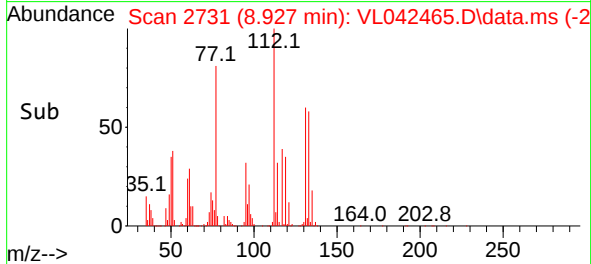
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



Tgt Ion:112 Resp: 218370
Ion Ratio Lower Upper
112 100
77 80.9 65.0 97.4
114 31.6 27.5 33.7

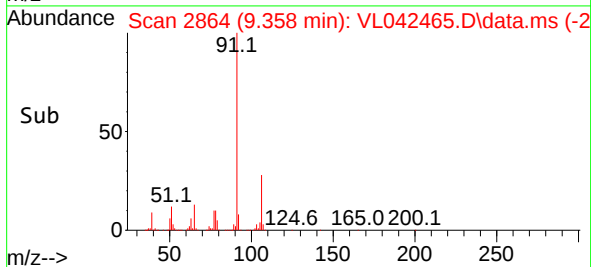
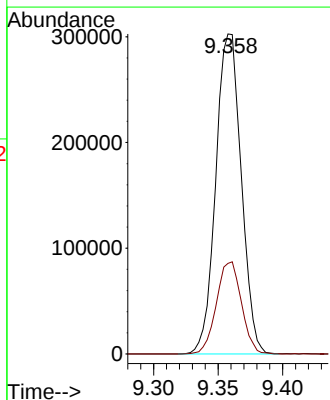
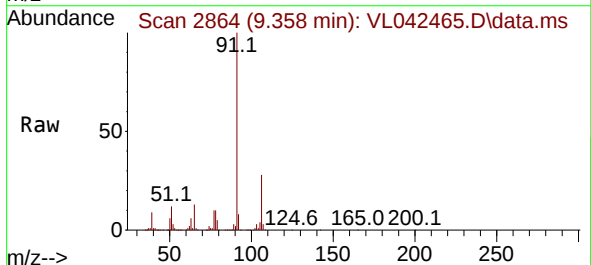
Manual Integrations
APPROVED

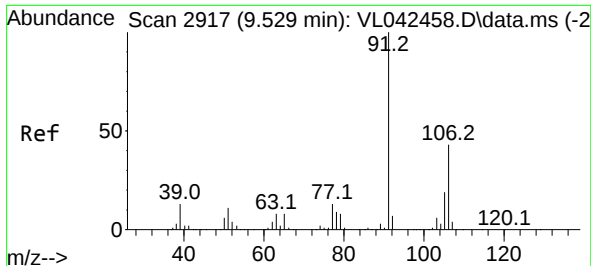
Reviewed By :Semsettin Yesilyurt 05/02/2025
Supervised By :Mahesh Dadoda 05/05/2025



#58
Ethyl Benzene
Concen: 15.743 ppbv
RT: 9.358 min Scan# 2864
Delta R.T. 0.004 min
Lab File: VL042465.D
Acq: 01 May 2025 12:49

Tgt Ion: 91 Resp: 414805
Ion Ratio Lower Upper
91 100
106 28.3 21.9 32.9





#59

m/p-Xylene

Concen: 31.674 ppbv m

RT: 9.555 min Scan# 2917

Delta R.T. 0.026 min

Lab File: VL042465.D

Acq: 01 May 2025 12:49

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tgt Ion: 91 Resp: 69974

Ion Ratio Lower Upper

91 100

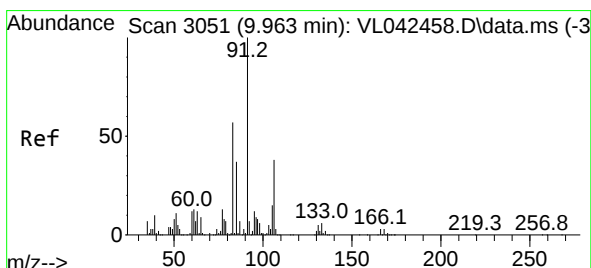
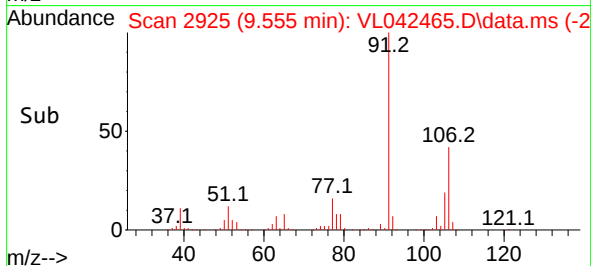
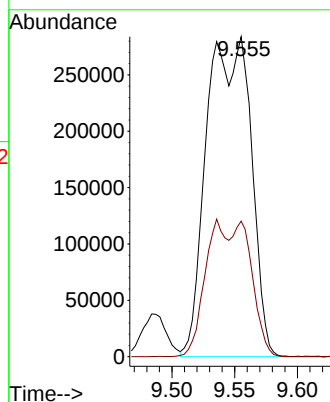
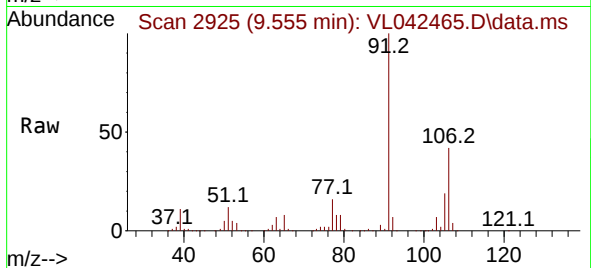
106 42.2 34.2 51.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/02/2025

Supervised By :Mahesh Dadoda 05/05/2025



#60

o-Xylene

Concen: 15.863 ppbv

RT: 9.966 min Scan# 3052

Delta R.T. 0.004 min

Lab File: VL042465.D

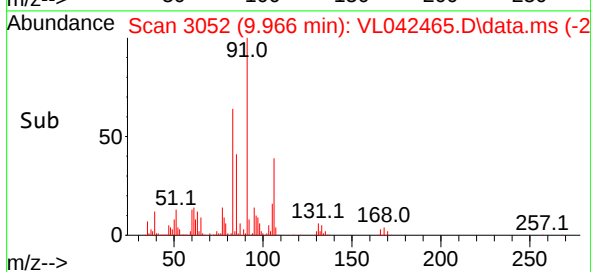
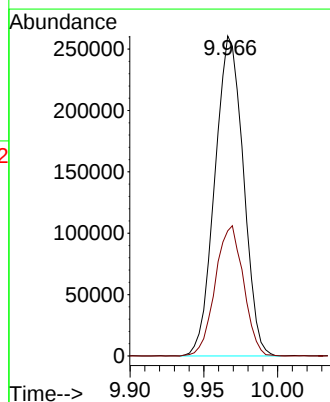
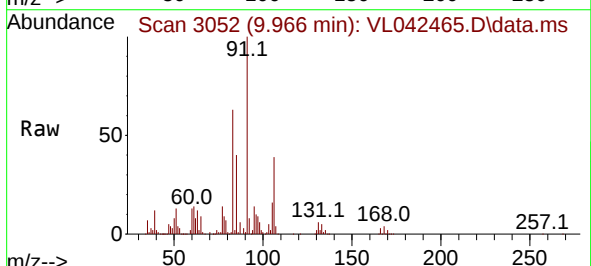
Acq: 01 May 2025 12:49

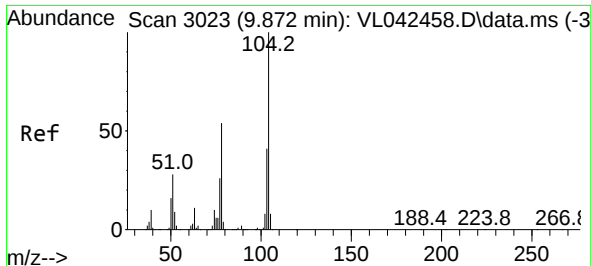
Tgt Ion: 91 Resp: 350328

Ion Ratio Lower Upper

91 100

106 40.3 20.1 60.2





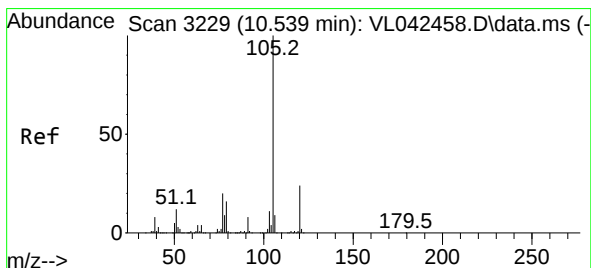
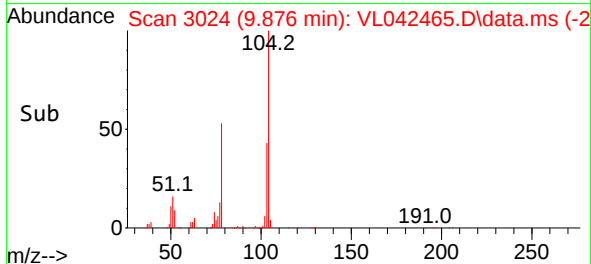
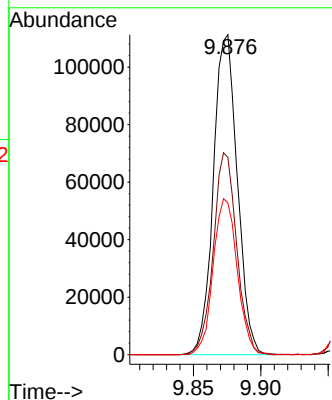
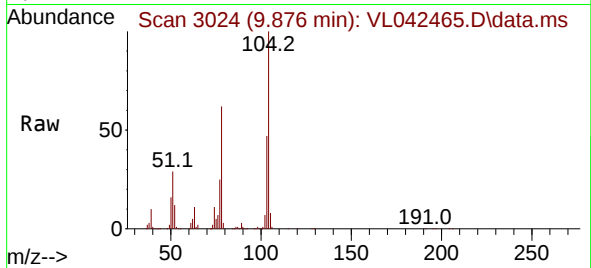
#61
Styrene
Concen: 16.686 ppbv
RT: 9.876 min Scan# 3023
Delta R.T. 0.004 min
Lab File: VL042465.D
Acq: 01 May 2025 12:49

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tgt Ion:104 Resp: 137720
Ion Ratio Lower Upper
104 100
78 61.6 46.9 70.3
103 49.0 36.6 55.0

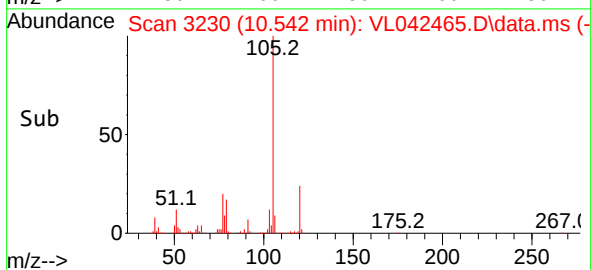
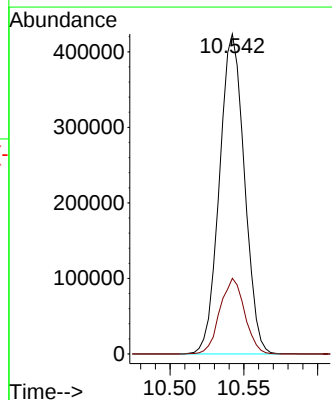
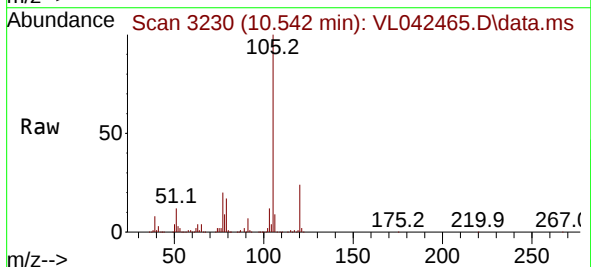
Manual Integrations
APPROVED

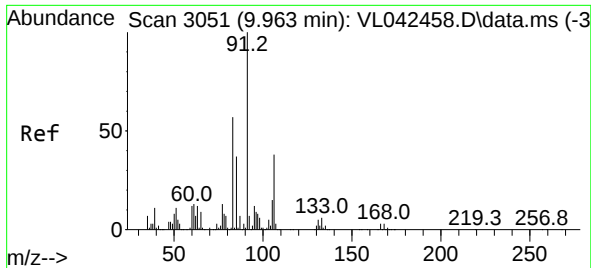
Reviewed By :Semsettin Yesilyurt 05/02/2025
Supervised By :Mahesh Dadoda 05/05/2025



#62
Isopropylbenzene
Concen: 15.629 ppbv
RT: 10.542 min Scan# 3230
Delta R.T. 0.004 min
Lab File: VL042465.D
Acq: 01 May 2025 12:49

Tgt Ion:105 Resp: 498619
Ion Ratio Lower Upper
105 100
120 23.4 18.8 28.2





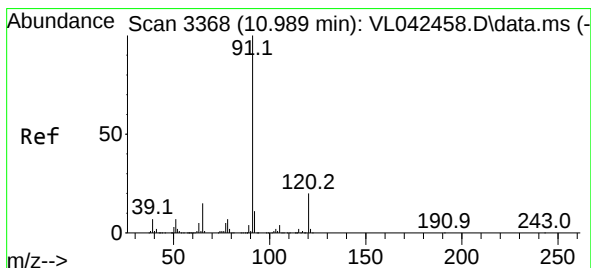
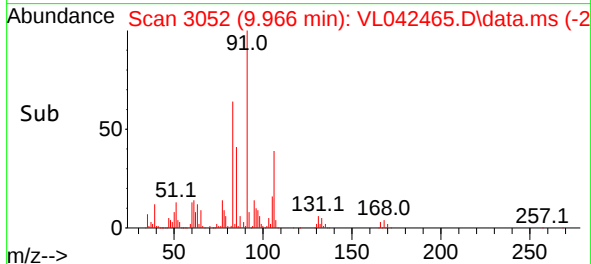
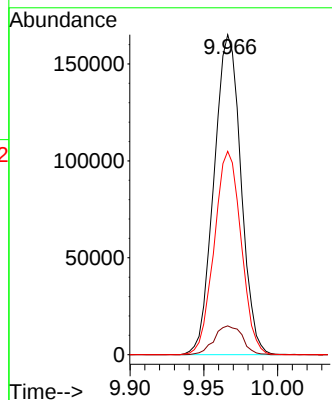
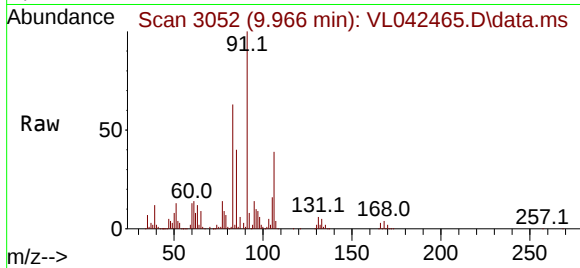
#63
1,1,2,2-Tetrachloroethane
Concen: 14.635 ppbv
RT: 9.966 min Scan# 3051
Delta R.T. 0.004 min
Lab File: VL042465.D
Acq: 01 May 2025 12:49

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 83 Resp: 209720
Ion Ratio Lower Upper
83 100
131 9.4 4.7 14.1
85 63.6 32.5 97.4

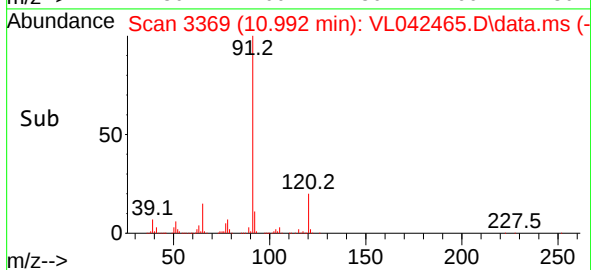
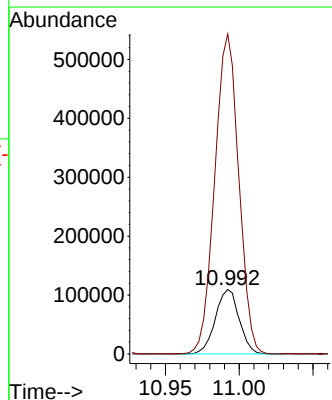
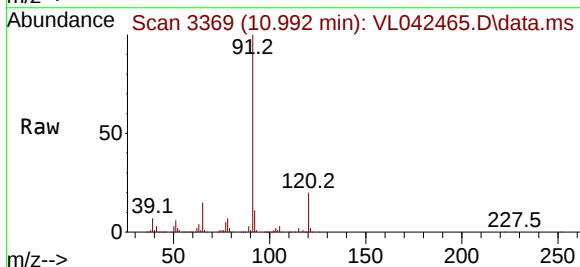
Manual Integrations
APPROVED

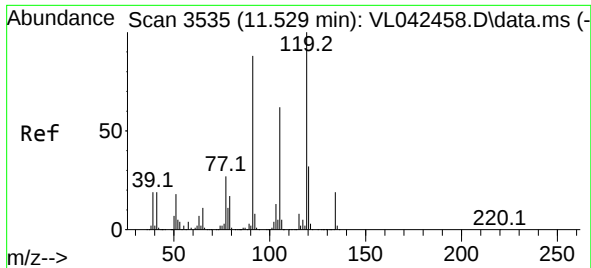
Reviewed By :Semsettin Yesilyurt 05/02/2025
Supervised By :Mahesh Dadoda 05/05/2025



#64
n-propylbenzene
Concen: 15.759 ppbv
RT: 10.992 min Scan# 3369
Delta R.T. 0.004 min
Lab File: VL042465.D
Acq: 01 May 2025 12:49

Tgt Ion:120 Resp: 122452
Ion Ratio Lower Upper
120 100
91 501.8 408.6 612.8





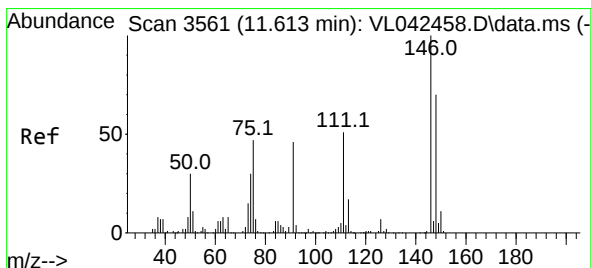
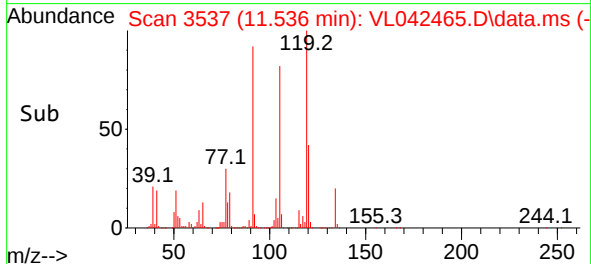
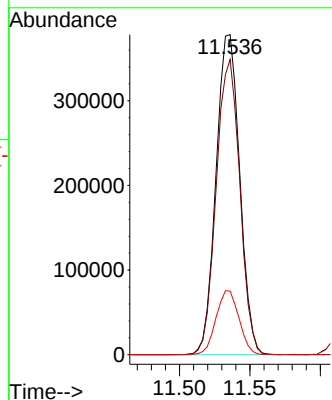
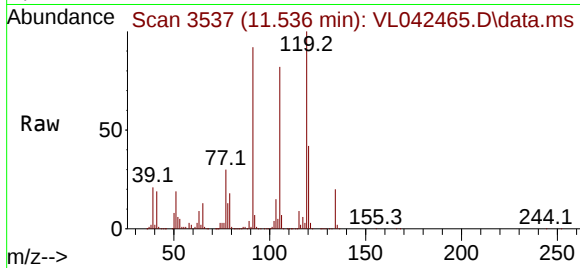
#65
tert-Butylbenzene
Concen: 15.562 ppbv
RT: 11.536 min Scan# 3537
Delta R.T. 0.007 min
Lab File: VL042465.D
Acq: 01 May 2025 12:49

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tgt Ion: 119 Resp: 44304
Ion Ratio Lower Upper
119 100
91 92.0 71.6 107.4
134 19.4 15.0 22.4

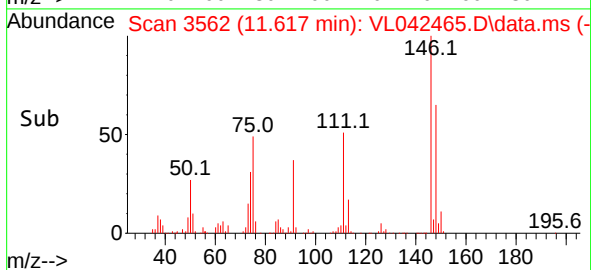
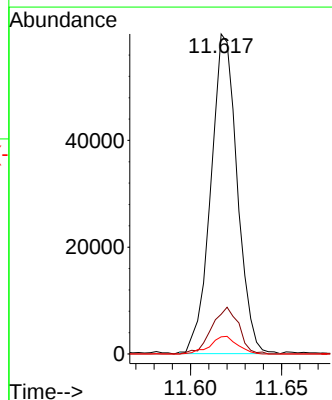
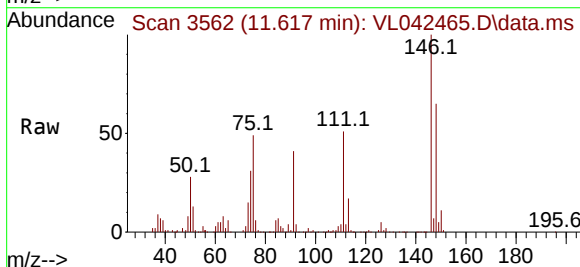
Manual Integrations
APPROVED

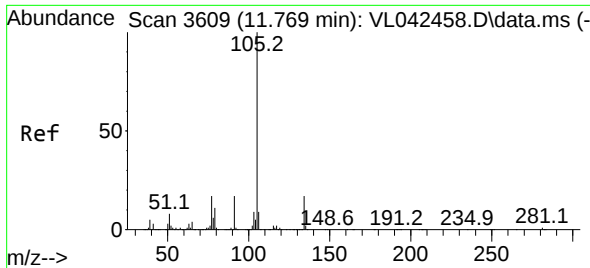
Reviewed By :Semsettin Yesilyurt 05/02/2025
Supervised By :Mahesh Dadoda 05/05/2025



#66
Benzyl Chloride
Concen: 18.348 ppbv
RT: 11.617 min Scan# 3562
Delta R.T. 0.004 min
Lab File: VL042465.D
Acq: 01 May 2025 12:49

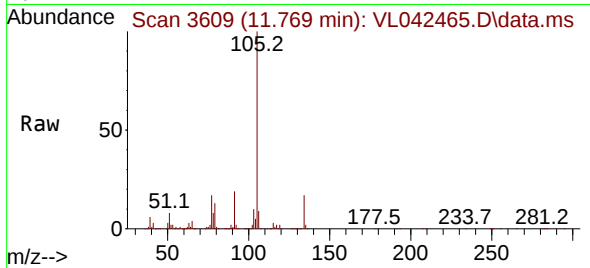
Tgt Ion: 91 Resp: 60376
Ion Ratio Lower Upper
91 100
126 15.0 13.3 19.9
128 5.7 4.2 6.4





#67
 sec-Butylbenzene
 Concen: 15.636 ppbv
 RT: 11.769 min Scan# 3609
 Delta R.T. 0.000 min
 Lab File: VL042465.D
 Acq: 01 May 2025 12:49

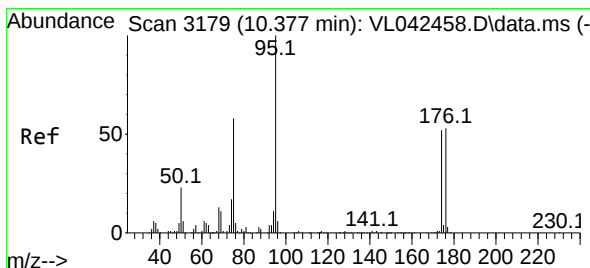
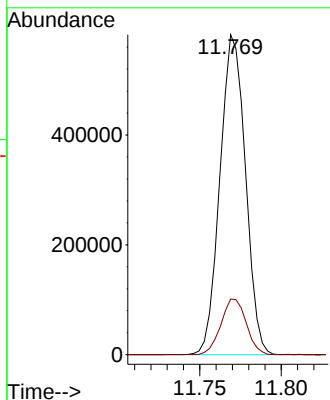
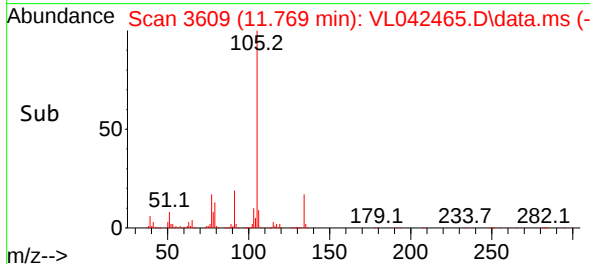
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015



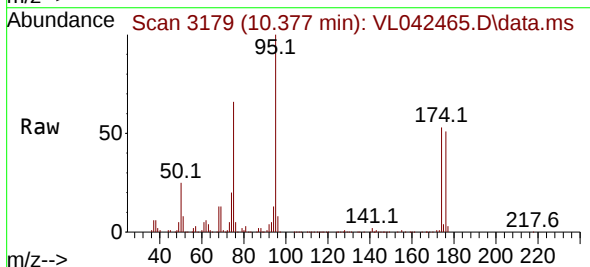
Tgt Ion:105 Resp: 632600
 Ion Ratio Lower Upper
 105 100
 134 17.4 14.1 21.1

Manual Integrations
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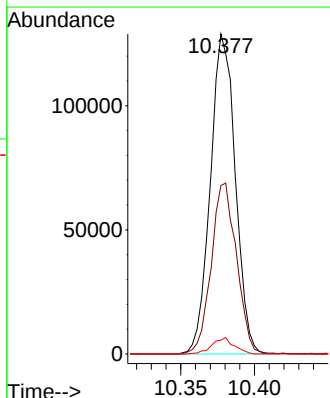
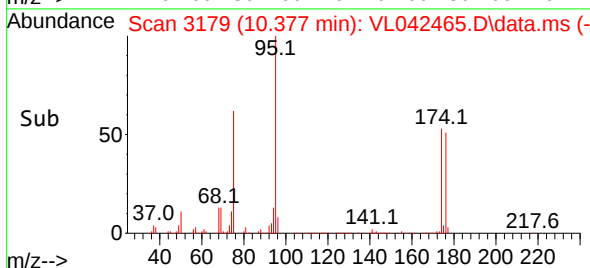
Reviewed By :Semsettin Yesilyurt 05/02/2025
 Supervised By :Mahesh Dadoda 05/05/2025

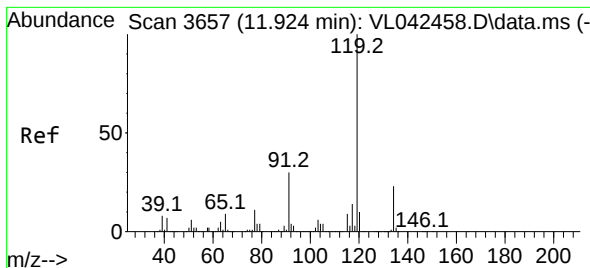


#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.387 ppbv
 RT: 10.377 min Scan# 3179
 Delta R.T. 0.000 min
 Lab File: VL042465.D
 Acq: 01 May 2025 12:49



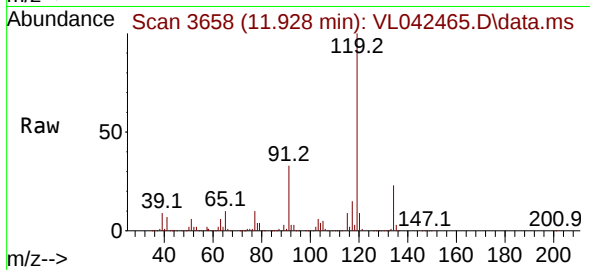
Tgt Ion: 95 Resp: 151837
 Ion Ratio Lower Upper
 95 100
 174 54.0 42.7 64.1
 175 4.5 3.6 5.4





#69
p-Isopropyltoluene
Concen: 15.837 ppbv
RT: 11.928 min Scan# 3658
Delta R.T. 0.004 min
Lab File: VL042465.D
Acq: 01 May 2025 12:49

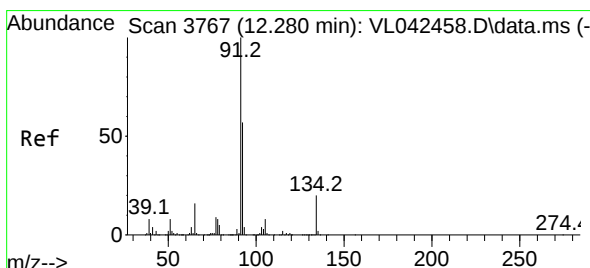
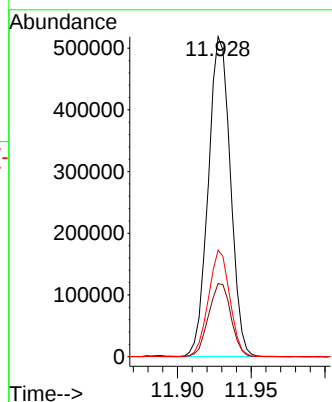
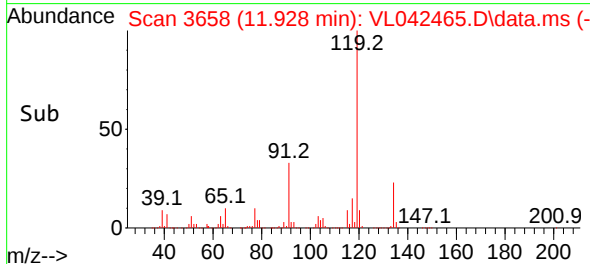
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



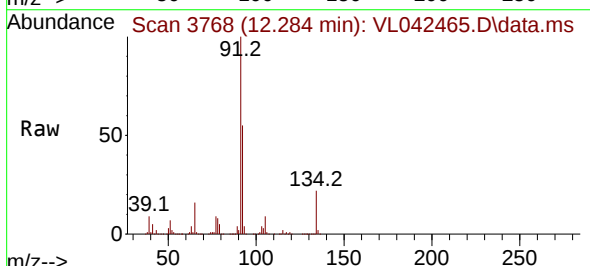
Tgt Ion:119 Resp: 539860
Ion Ratio Lower Upper
119 100
134 23.2 19.0 28.4
91 32.5 25.5 38.3

Manual Integrations
APPROVED

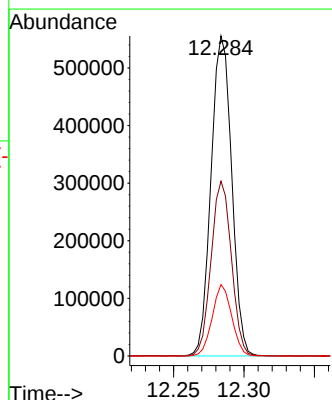
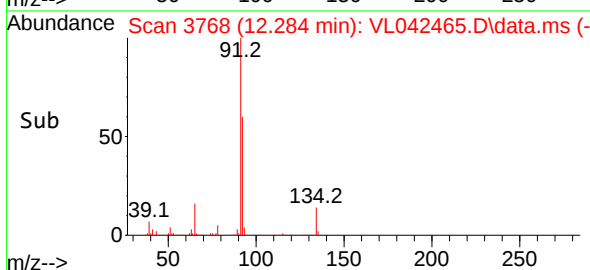
Reviewed By :Semsettin Yesilyurt 05/02/2025
Supervised By :Mahesh Dadoda 05/05/2025

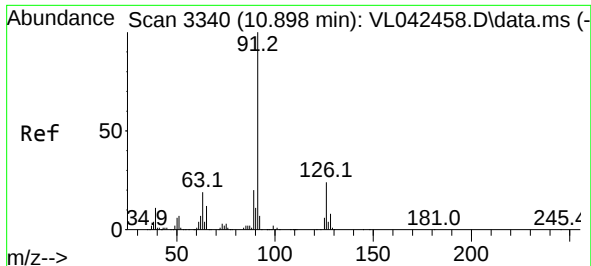


#70
n-Butylbenzene
Concen: 16.084 ppbv
RT: 12.284 min Scan# 3768
Delta R.T. 0.004 min
Lab File: VL042465.D
Acq: 01 May 2025 12:49



Tgt Ion: 91 Resp: 566780
Ion Ratio Lower Upper
91 100
92 53.7 44.0 66.0
134 21.0 16.8 25.2





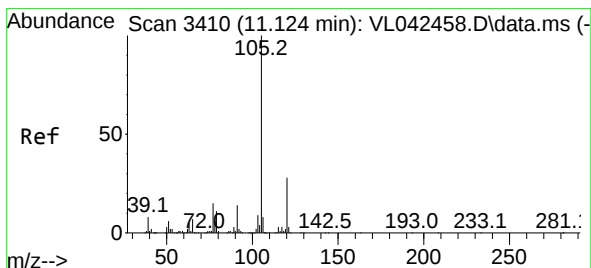
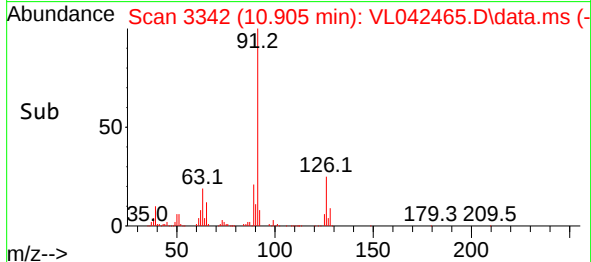
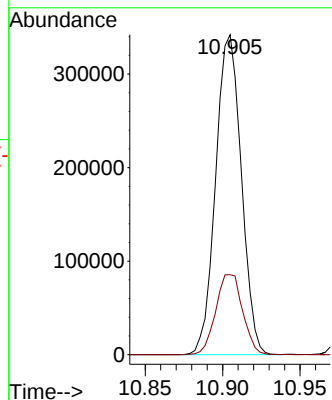
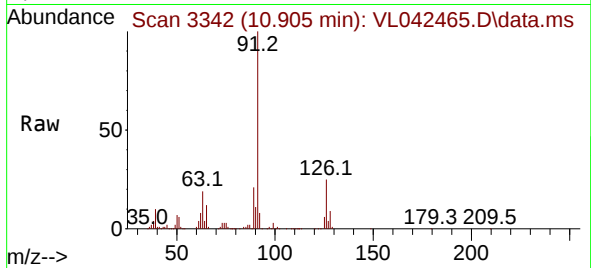
#71
2-Chlorotoluene
Concen: 15.755 ppbv
RT: 10.905 min Scan# 31
Delta R.T. 0.007 min
Lab File: VL042465.D
Acq: 01 May 2025 12:49

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 91 Resp: 39422
Ion Ratio Lower Upper
91 100
126 26.2 10.6 42.2

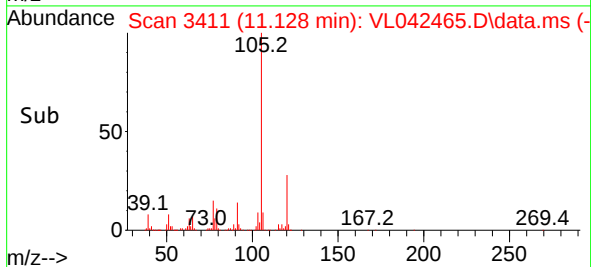
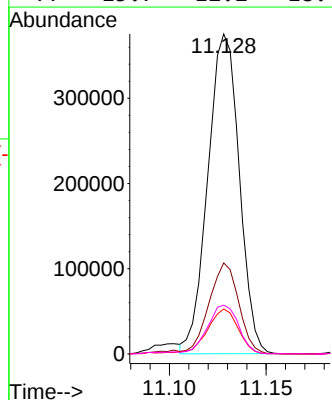
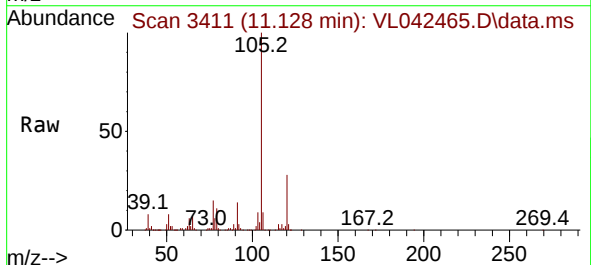
Manual Integrations
APPROVED

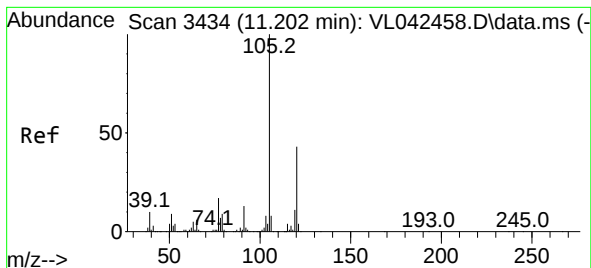
Reviewed By :Semsettin Yesilyurt 05/02/2025
Supervised By :Mahesh Dadoda 05/05/2025



#72
4-Ethyltoluene
Concen: 16.250 ppbv
RT: 11.128 min Scan# 3411
Delta R.T. 0.004 min
Lab File: VL042465.D
Acq: 01 May 2025 12:49

Tgt Ion:105 Resp: 423746
Ion Ratio Lower Upper
105 100
120 27.9 22.0 33.0
91 14.2 11.2 16.8
77 15.7 12.2 18.4





#73

1,3,5-Trimethylbenzene

Concen: 15.826 ppbv

RT: 11.206 min Scan# 3434

Delta R.T. 0.004 min

Lab File: VL042465.D

Acq: 01 May 2025 12:49

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tgt Ion:105 Resp: 36295

Ion Ratio Lower Upper

105 100

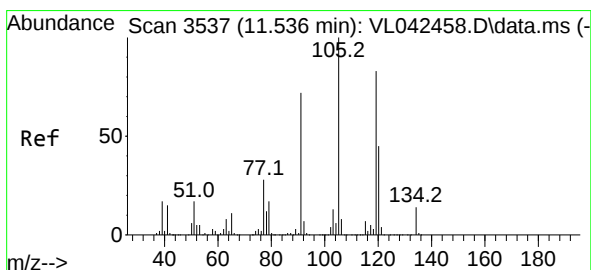
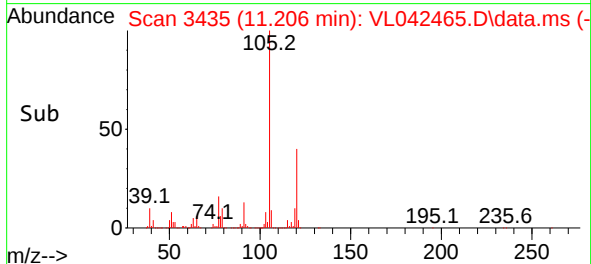
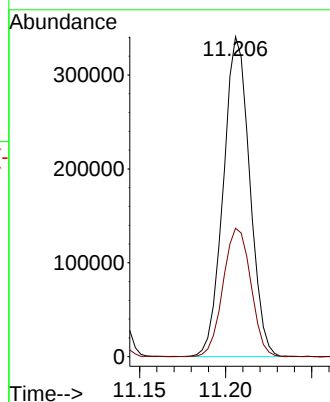
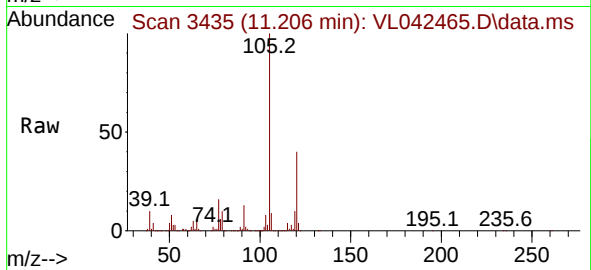
120 40.1 34.4 51.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/02/2025

Supervised By :Mahesh Dadoda 05/05/2025



#74

1,2,4-Trimethylbenzene

Concen: 14.683 ppbv

RT: 11.539 min Scan# 3538

Delta R.T. 0.004 min

Lab File: VL042465.D

Acq: 01 May 2025 12:49

Tgt Ion:105 Resp: 407416

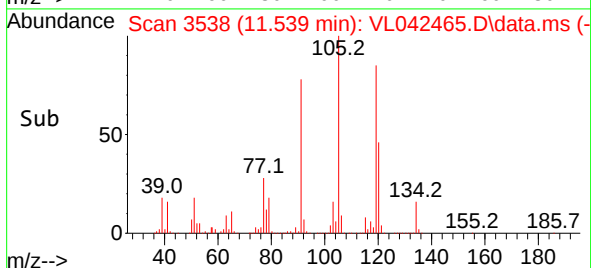
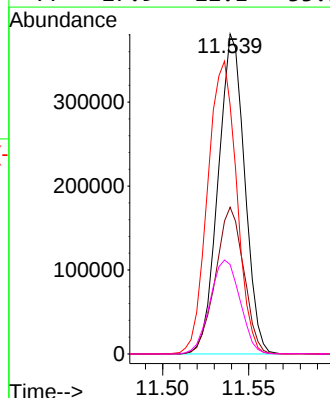
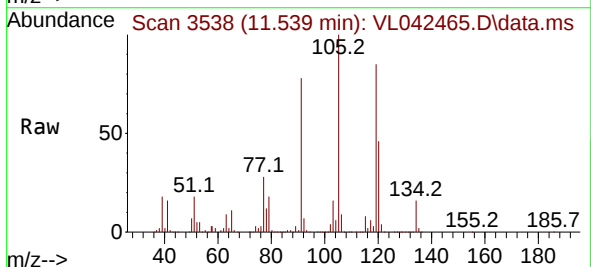
Ion Ratio Lower Upper

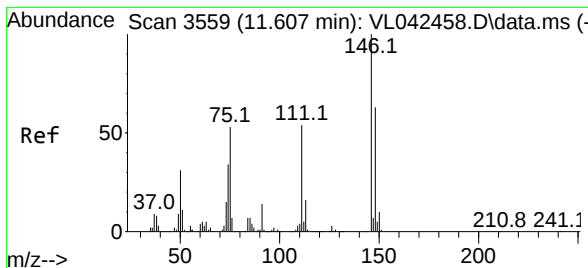
105 100

120 45.8 36.1 54.1

91 77.7 57.6 86.4

77 27.9 22.1 33.1





#75

1,3-Dichlorobenzene

Concen: 14.579 ppbv

RT: 11.610 min Scan# 3560

Delta R.T. 0.004 min

Lab File: VL042465.D

Acq: 01 May 2025 12:49

Instrument :

MSVOA_L

ClientSampleId :

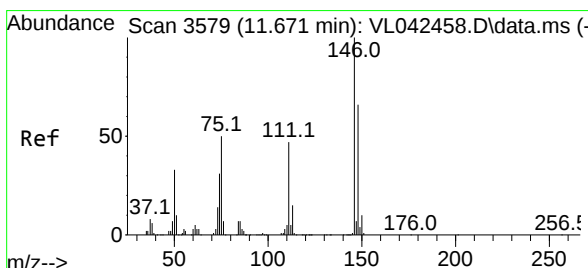
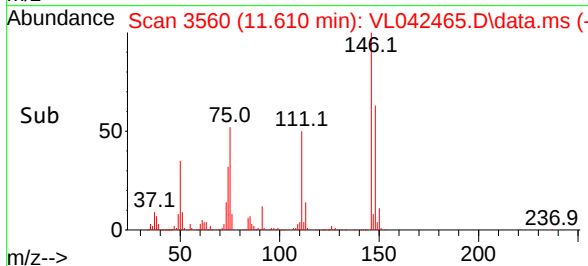
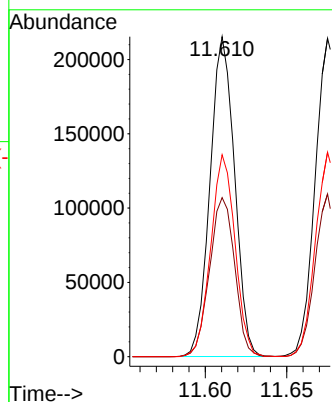
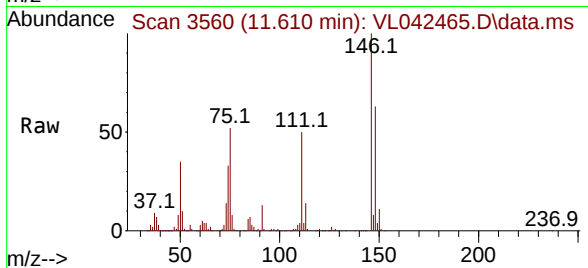
VSTDIC015

Tgt Ion:146	Resp: 22521
Ion Ratio	Lower Upper
146 100	
111 50.9	26.1 78.3
148 62.5	32.0 96.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/02/2025
Supervised By :Mahesh Dadoda 05/05/2025



#76

1,4-Dichlorobenzene

Concen: 15.357 ppbv

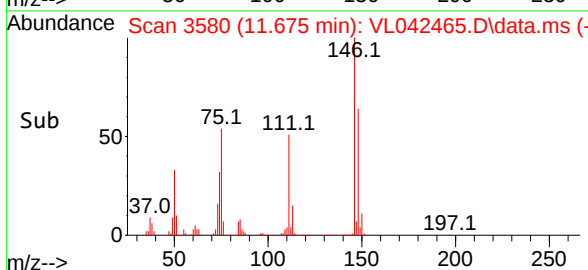
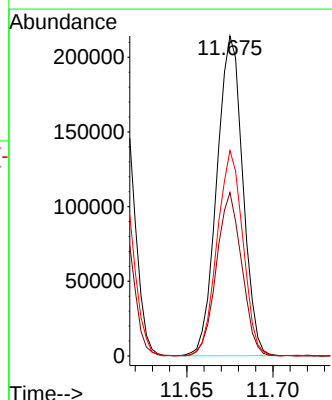
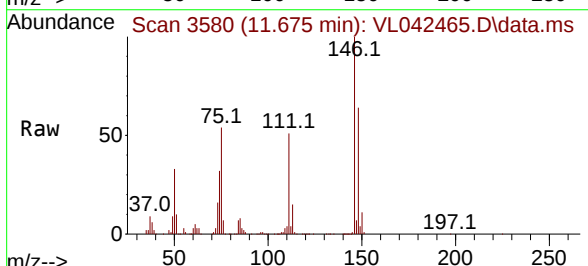
RT: 11.675 min Scan# 3580

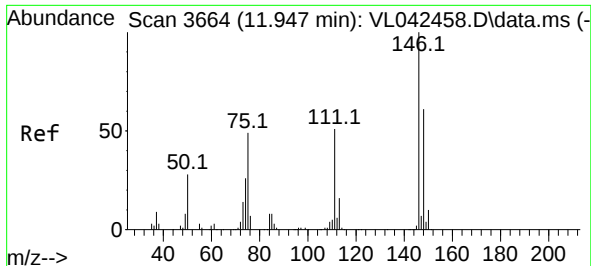
Delta R.T. 0.004 min

Lab File: VL042465.D

Acq: 01 May 2025 12:49

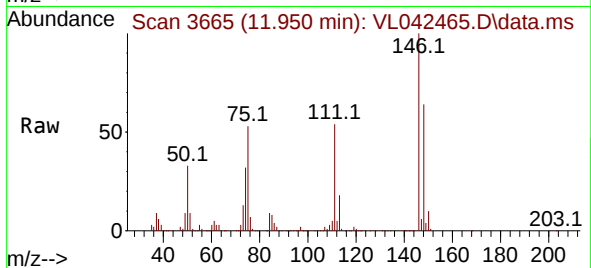
Tgt Ion:146	Resp: 224505		
Ion Ratio	Lower	Upper	
146 100			
111 50.0	24.4	73.2	
148 64.0	32.0	96.2	





#77
1,2-Dichlorobenzene
Concen: 14.295 ppbv
RT: 11.950 min Scan# 30
Delta R.T. 0.004 min
Lab File: VL042465.D
Acq: 01 May 2025 12:49

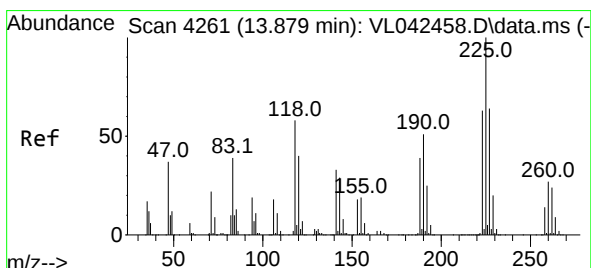
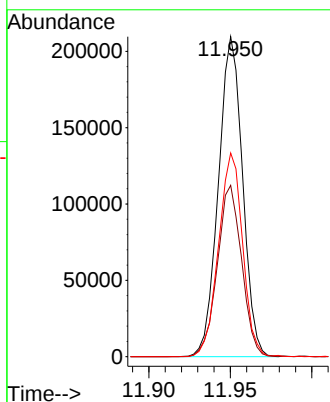
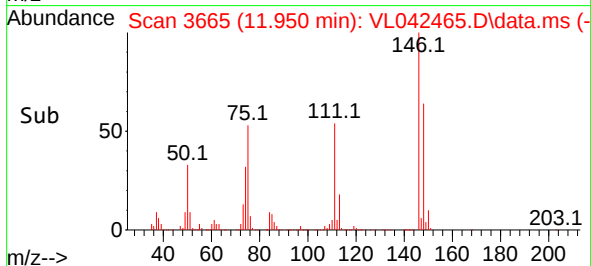
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



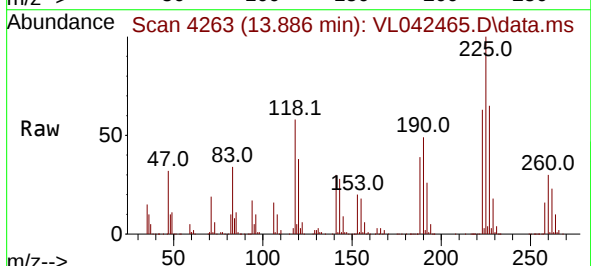
Tgt Ion:146 Resp: 21614
Ion Ratio Lower Upper
146 100
111 53.9 26.5 79.5
148 63.3 31.5 94.5

Manual Integrations
APPROVED

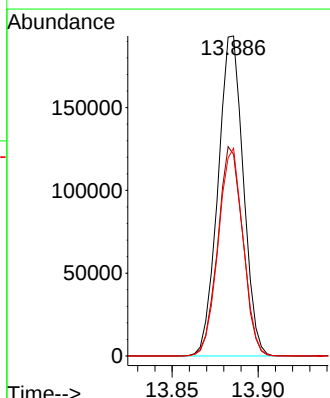
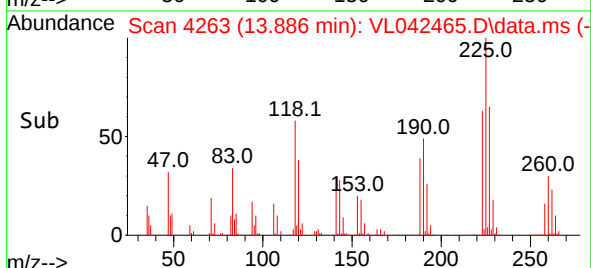
Reviewed By :Semsettin Yesilyurt 05/02/2025
Supervised By :Mahesh Dadoda 05/05/2025

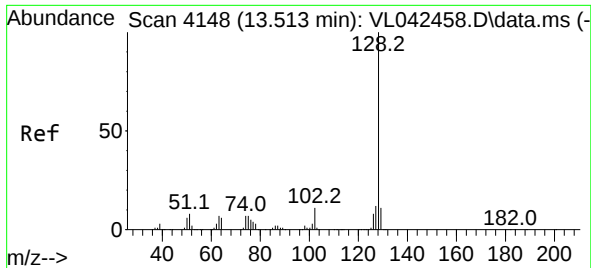


#78
Hexachloro-1,3-Butadiene
Concen: 13.121 ppbv
RT: 13.886 min Scan# 4263
Delta R.T. 0.007 min
Lab File: VL042465.D
Acq: 01 May 2025 12:49



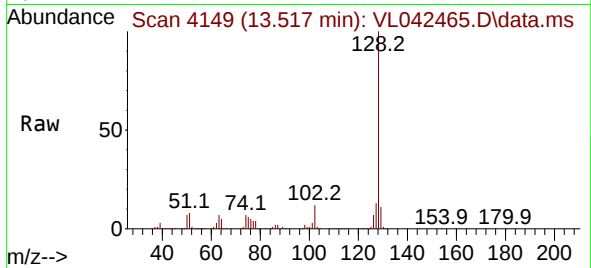
Tgt Ion:225 Resp: 198112
Ion Ratio Lower Upper
225 100
223 64.5 50.2 75.4
227 63.6 51.2 76.8





#79
Naphthalene
Concen: 16.888 ppbv
RT: 13.517 min Scan# 4148
Delta R.T. 0.004 min
Lab File: VL042465.D
Acq: 01 May 2025 12:49

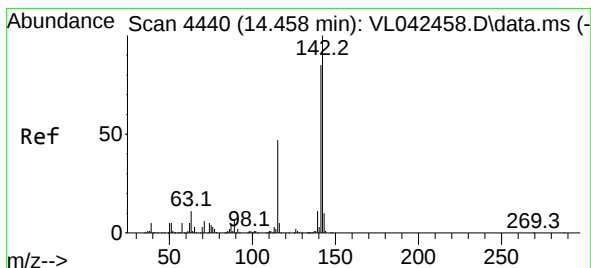
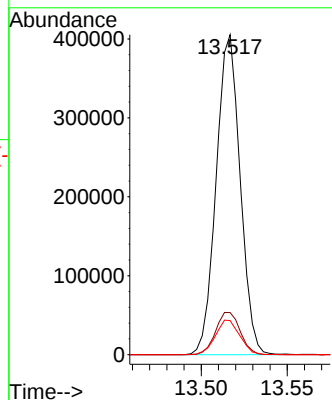
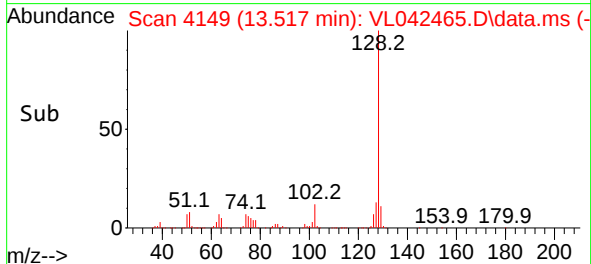
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



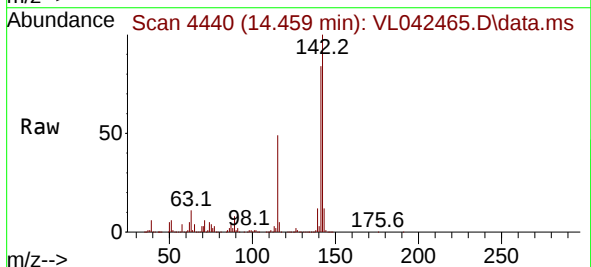
Tgt Ion:128 Resp: 392900
Ion Ratio Lower Upper
128 100
127 13.2 9.7 14.5
129 10.6 8.6 13.0

Manual Integrations
APPROVED

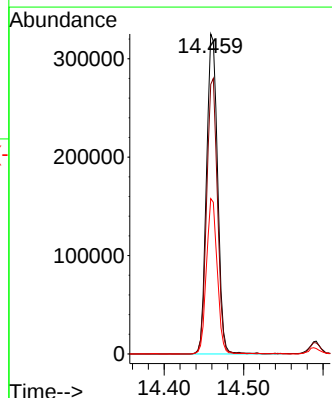
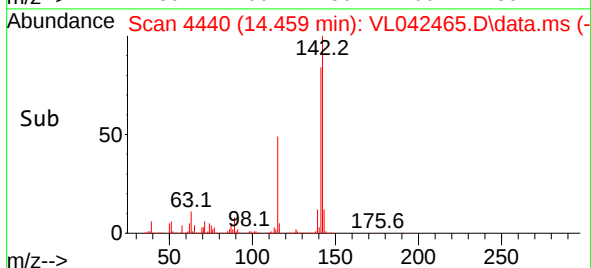
Reviewed By :Semsettin Yesilyurt 05/02/2025
Supervised By :Mahesh Dadoda 05/05/2025

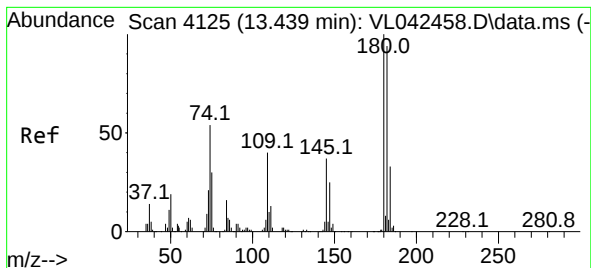


#80
Naphthalene,2-methyl-
Concen: 18.232 ppbv
RT: 14.459 min Scan# 4440
Delta R.T. 0.000 min
Lab File: VL042465.D
Acq: 01 May 2025 12:49



Tgt Ion:142 Resp: 316493
Ion Ratio Lower Upper
142 100
141 84.6 67.4 101.0
115 47.5 36.9 55.3





#81

1,2,4-Trichlorobenzene

Concen: 15.728 ppbv

RT: 13.442 min Scan# 41

Delta R.T. 0.004 min

Lab File: VL042465.D

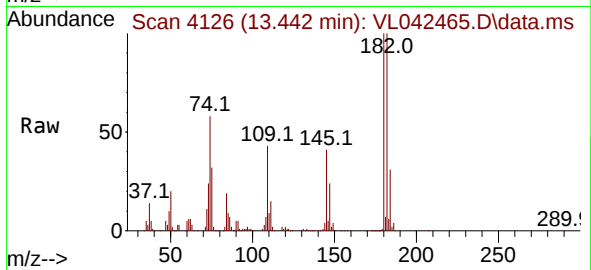
Acq: 01 May 2025 12:49

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC015



Tgt Ion:180 Resp: 19594

Ion Ratio Lower Upper

180 100

182 96.2 74.6 111.8

184 30.6 24.9 37.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/02/2025

Supervised By :Mahesh Dadoda 05/05/2025

