

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050625\
 Data File : VL042489.D
 Acq On : 06 May 2025 10:44
 Operator : SY/MD
 Sample : VL0506ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0506ABS01

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 05/07/2025
 Supervised By :Mahesh Dadoda 05/09/2025

Quant Time: May 07 01:36:51 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 03:16:31 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.787	49	68512	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.962	114	189766	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.888	117	162176	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.380 95 162347 10.797 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 108.000%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.499	85	128425	11.327	ppbv	99
3) Chlorodifluoromethane	1.476	51	120834	10.080	ppbv	98
4) Chloromethane	1.531	50	51363	10.839	ppbv	94
5) Vinyl Chloride	1.580	62	50552	10.596	ppbv	95
6) Bromomethane	1.667	94	24844	11.021	ppbv #	81
7) Chloroethane	1.706	64	19253	10.929	ppbv	98
8) Dichlorotetrafluoroethane	1.554	85	108256	11.583	ppbv	99
9) Propene	1.483	41	36687	9.357	ppbv	100
10) Heptane	4.985	43	108748	10.693	ppbv	99
11) Trichlorofluoromethane	1.878	101	118964	11.371	ppbv	97
12) 1,1,2-Trichlorotrifluo...	2.140	101	92491	11.072	ppbv	97
13) Ethanol	1.722	45	5717	7.185	ppbv	96
14) Bromoethene	1.781	108	35036	11.361	ppbv	99
15) Acetone	1.836	43	110911	8.868	ppbv	98
16) 1,3-Butadiene	1.609	39	57769	10.473	ppbv	100
17) tert-Butyl alcohol	2.043	59	121629	11.038	ppbv	98
18) 1,1-Dichloroethene	2.033	96	41573	10.658	ppbv	91
19) Isopropyl Alcohol	1.887	45	70143	10.133	ppbv	100
20) Methylene Chloride	2.062	84	38025	10.113	ppbv	97
21) Allyl Chloride	2.095	41	87030	10.820	ppbv	98
22) trans-1,2-Dichloroethene	2.341	96	46194	10.140	ppbv	92
23) Vinyl Acetate	2.463	43	122507	10.263	ppbv	99
24) 1,1-Dichloroethane	2.408	63	99878	10.747	ppbv	98
25) Ethyl Acetate	2.839	43	207809	10.377	ppbv	99
26) Hexane	2.826	57	94005	10.775	ppbv	95
27) Carbon Disulfide	2.150	76	118732	11.662	ppbv #	89
28) Methyl tert-Butyl Ether	2.441	73	52295	9.977	ppbv	97
29) Chloroform	2.849	83	178140	10.896	ppbv	98
30) Cyclohexane	3.858	84	78419	10.751	ppbv	98
31) cis-1,2-Dichloroethene	2.722	61	102999	10.119	ppbv	97
32) 1,1,1-Trichloroethane	3.370	97	185042	10.433	ppbv	99
34) 2-Butanone	2.561	43	135534	9.874	ppbv	95
35) Carbon Tetrachloride	3.765	117	192452	11.164	ppbv	96
36) Benzene	3.658	78	188082	10.503	ppbv	96
37) 1,2-Dichloroethane	3.221	62	150741	10.922	ppbv	99
38) Trichloroethene	4.554	130	75153	11.005	ppbv	97
39) 1,2-Dichloropropane	4.315	63	67616	10.086	ppbv	92
40) 1,4-Dioxane	4.583	88	30720	9.786	ppbv #	100
41) Tetrahydrofuran	3.056	42	66397	10.179	ppbv	98
42) Bromodichloromethane	4.496	83	188247	11.163	ppbv	96
43) Methyl Methacrylate	4.888	69	73710	11.030	ppbv	95
44) 2,2,4-Trimethylpentane	4.642	57	317017	10.921	ppbv	99
45) t-1,3-Dichloropropene	6.419	75	95245	10.864	ppbv	100

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Quant Time: May 07 01:36:51 2025

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

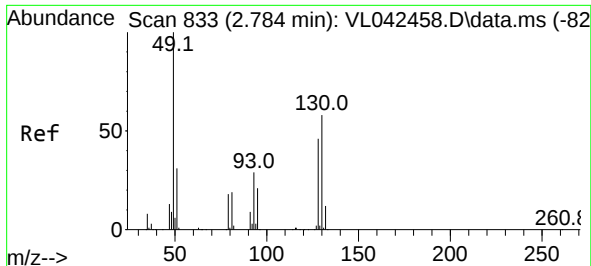
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Fri May 02 03:16:31 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.603	75	112024	10.751	ppbv	96
47) 1,1,2-Trichloroethane	6.590	97	80000	10.880	ppbv	99
48) Dibromochloromethane	7.390	129	137019	11.039	ppbv	99
49) Bromoform	9.487	173	115649	11.110	ppbv	99
50) 4-Methyl-2-Pentanone	5.755	43	179961	10.365	ppbv	97
51) 2-Hexanone	7.441	43	143801	10.359	ppbv #	99
52) Tetrachloroethene	8.228	164	61852	9.074	ppbv	94
53) Toluene	6.940	91	211514	11.159	ppbv	99
54) 1,2-Dibromoethane	7.655	107	119785	10.656	ppbv	90
56) 1,1,1,2-Tetrachloroethane	8.927	131	107810	11.256	ppbv	99
57) Chlorobenzene	8.927	112	170186	10.444	ppbv	98
58) Ethyl Benzene	9.361	91	316187	11.667	ppbv	100
59) m/p-Xylene	9.555	91	546871m	24.069	ppbv	
60) o-Xylene	9.966	91	275574	12.114	ppbv	98
61) Styrene	9.875	104	100944	11.891	ppbv	95
62) Isopropylbenzene	10.542	105	386743	11.786	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.966	83	168155	10.722	ppbv	99
64) n-propylbenzene	10.992	120	95485	11.906	ppbv	98
65) tert-Butylbenzene	11.536	119	347665	11.872	ppbv	97
66) Benzyl Chloride	11.617	91	44409	13.121	ppbv	96
67) sec-Butylbenzene	11.772	105	500648	12.031	ppbv	99
69) p-Isopropyltoluene	11.931	119	418184	11.927	ppbv	99
70) n-Butylbenzene	12.283	91	439757	12.133	ppbv	99
71) 2-Chlorotoluene	10.905	91	304635	11.836	ppbv	99
72) 4-Ethyltoluene	11.128	105	332254	12.388	ppbv	99
73) 1,3,5-Trimethylbenzene	11.209	105	285001	12.082	ppbv	94
74) 1,2,4-Trimethylbenzene	11.539	105	326996	11.457	ppbv	95
75) 1,3-Dichlorobenzene	11.610	146	176191	11.089	ppbv	99
76) 1,4-Dichlorobenzene	11.675	146	173576	11.543	ppbv	98
77) 1,2-Dichlorobenzene	11.950	146	171125	11.003	ppbv	99
78) Hexachloro-1,3-Butadiene	13.882	225	153031	9.854	ppbv	99
79) Naphthalene	13.517	128	289175	12.036	ppbv	98
80) Naphthalene,2-methyl-	14.458	142	236741	13.257	ppbv	99
81) 1,2,4-Trichlorobenzene	13.442	180	142190	11.096	ppbv	98

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



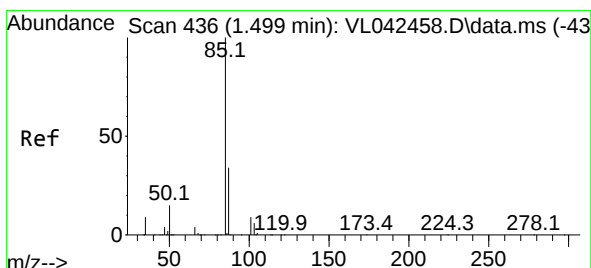
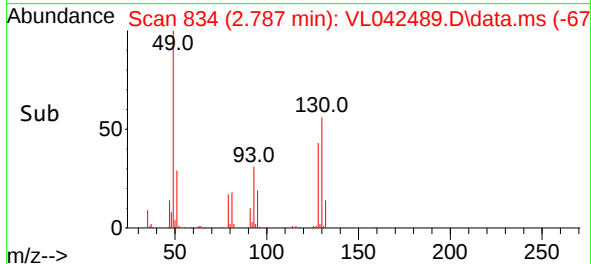
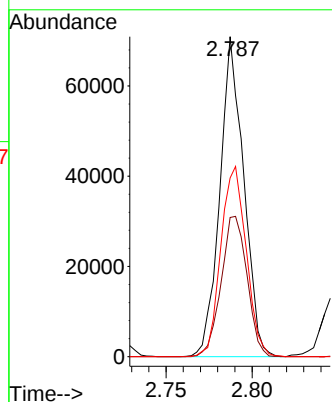
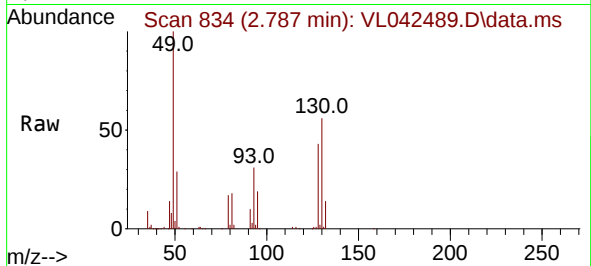
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Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 833
Delta R.T. 0.003 min
Lab File: VL042489.D
Acq: 06 May 2025 10:44

Instrument :
MSVOA_L
ClientSampleId :
VL0506ABS01

Tgt Ion: 49 Resp: 68512
Ion Ratio Lower Upper
49 100
128 47.5 23.3 69.9
130 63.1 29.5 88.6

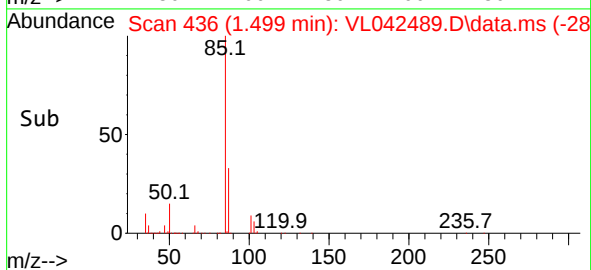
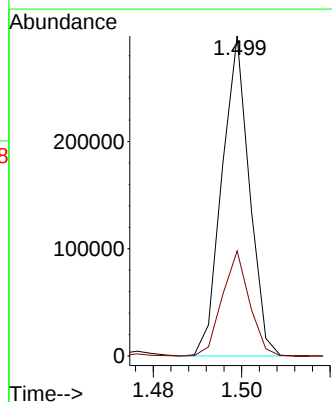
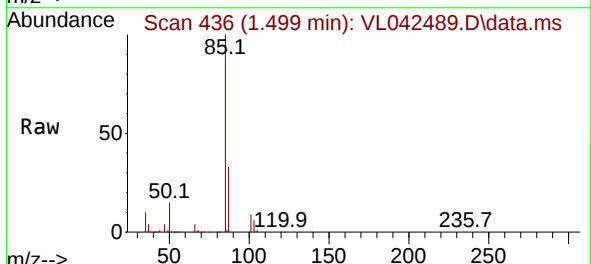
Manual Integrations
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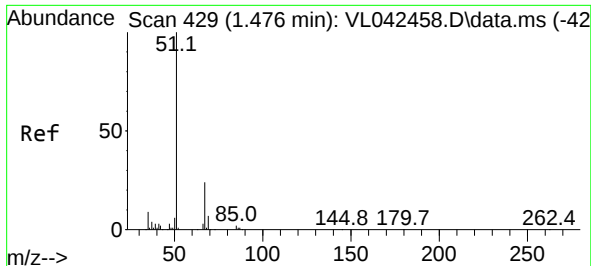
Reviewed By :Semsettin Yesilyurt 05/07/2025
Supervised By :Mahesh Dadoda 05/09/2025



#2
Dichlorodifluoromethane
Concen: 11.327 ppbv
RT: 1.499 min Scan# 436
Delta R.T. 0.000 min
Lab File: VL042489.D
Acq: 06 May 2025 10:44

Tgt Ion: 85 Resp: 128425
Ion Ratio Lower Upper
85 100
87 32.9 26.9 40.3





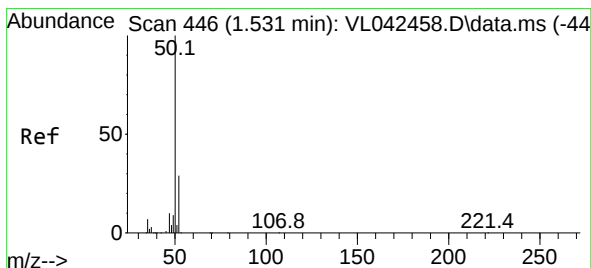
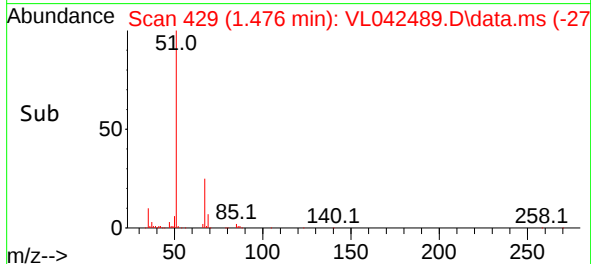
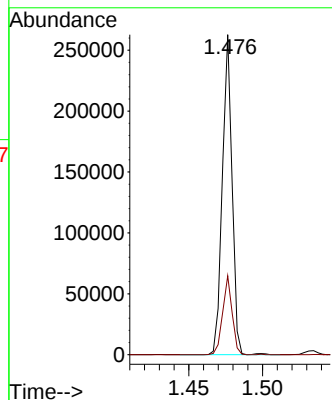
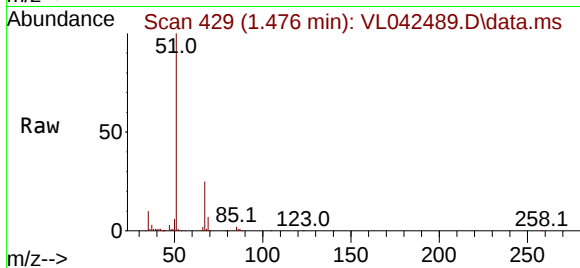
#3
Chlorodifluoromethane
Concen: 10.080 ppbv
RT: 1.476 min Scan# 429
Delta R.T. 0.000 min
Lab File: VL042489.D
Acq: 06 May 2025 10:44

Instrument :
MSVOA_L
ClientSampleId :
VL0506ABS01

Tgt Ion: 51 Resp: 120834
Ion Ratio Lower Upper
51 100
67 24.1 18.4 27.6

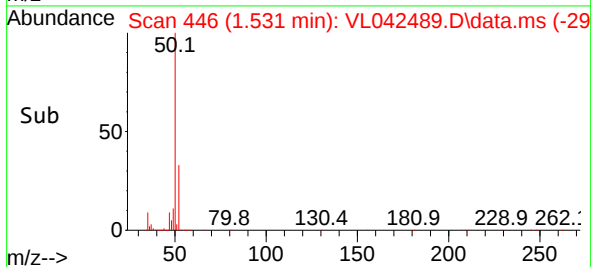
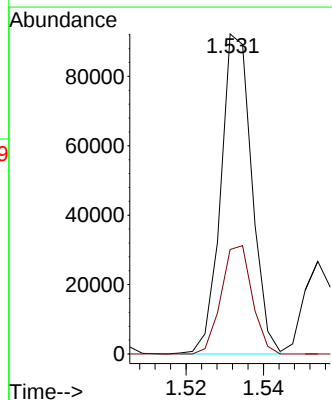
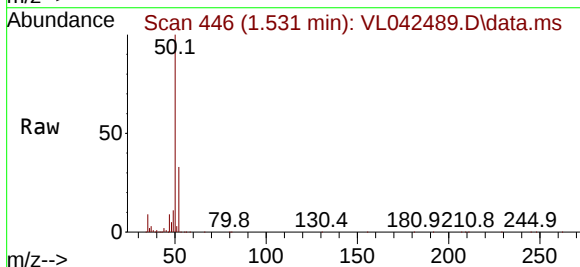
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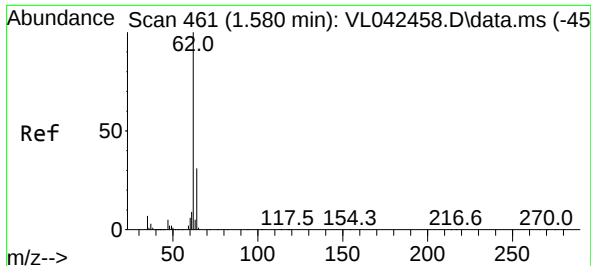
Reviewed By :Semsettin Yesilyurt 05/07/2025
Supervised By :Mahesh Dadoda 05/09/2025



#4
Chloromethane
Concen: 10.839 ppbv
RT: 1.531 min Scan# 446
Delta R.T. 0.000 min
Lab File: VL042489.D
Acq: 06 May 2025 10:44

Tgt Ion: 50 Resp: 51363
Ion Ratio Lower Upper
50 100
52 32.8 23.5 35.3





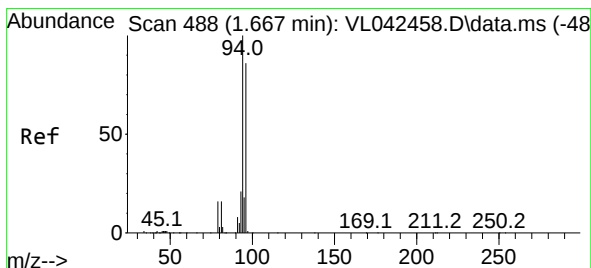
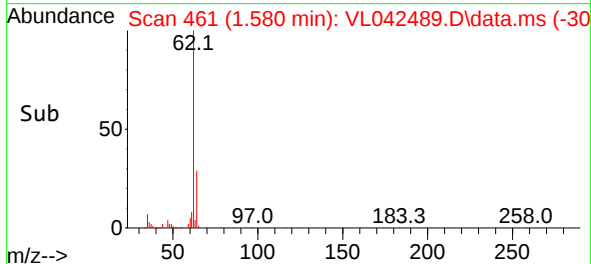
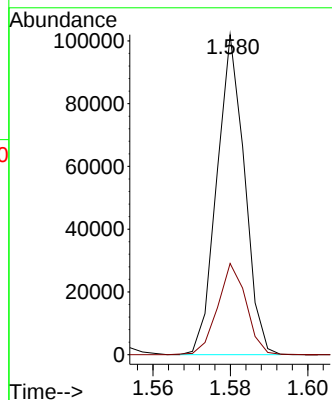
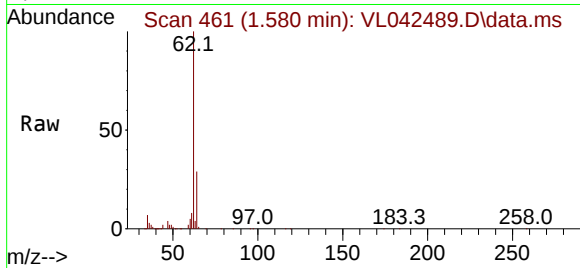
#5
 Vinyl Chloride
 Concen: 10.596 ppbv
 RT: 1.580 min Scan# 461
 Delta R.T. 0.000 min
 Lab File: VL042489.D
 Acq: 06 May 2025 10:44

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0506ABS01

Tgt Ion: 62 Resp: 50552
 Ion Ratio Lower Upper
 62 100
 64 28.3 24.9 37.3

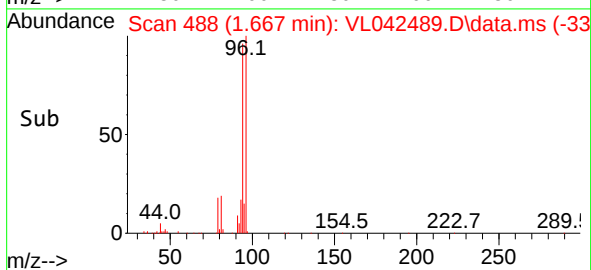
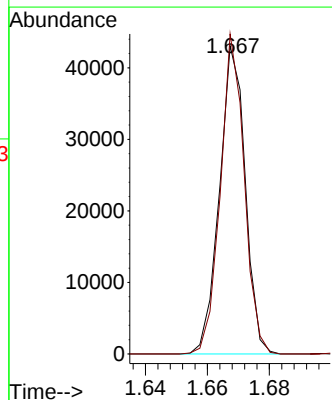
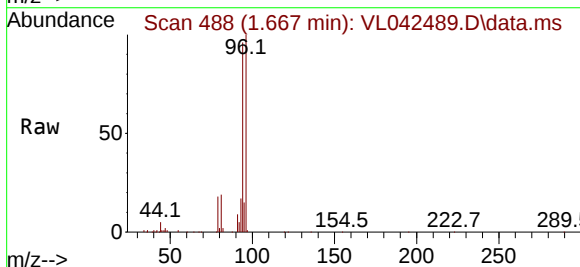
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 Supervised By :Mahesh Dadoda 05/09/2025



#6
 Bromomethane
 Concen: 11.021 ppbv
 RT: 1.667 min Scan# 488
 Delta R.T. 0.000 min
 Lab File: VL042489.D
 Acq: 06 May 2025 10:44

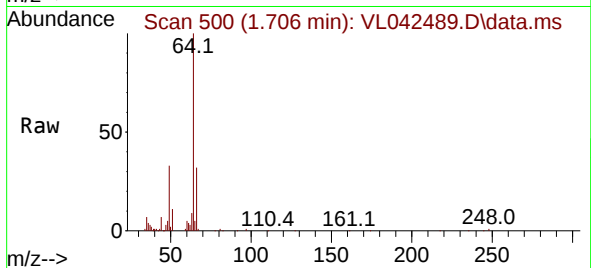
Tgt Ion: 94 Resp: 24844
 Ion Ratio Lower Upper
 94 100
 96 103.8 68.8 103.2#





#7
Chloroethane
Concen: 10.929 ppbv
RT: 1.706 min Scan# 500
Delta R.T. 0.004 min
Lab File: VL042489.D
Acq: 06 May 2025 10:44

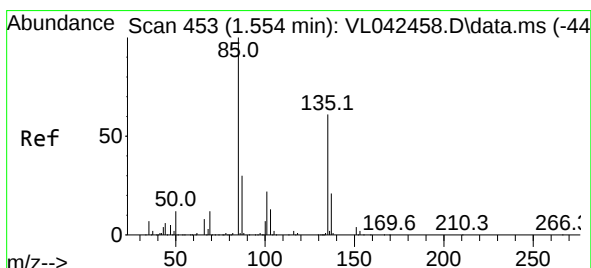
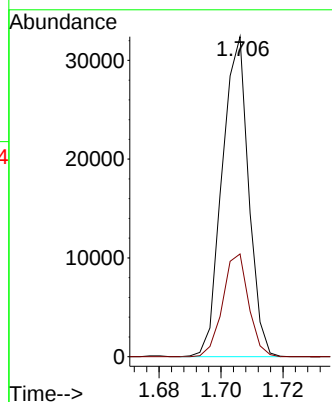
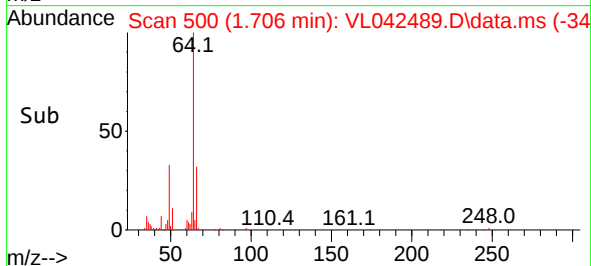
Instrument :
MSVOA_L
ClientSampleId :
VL0506ABS01



Tgt Ion: 64 Resp: 1925
Ion Ratio Lower Upper
64 100
66 32.1 25.0 37.4

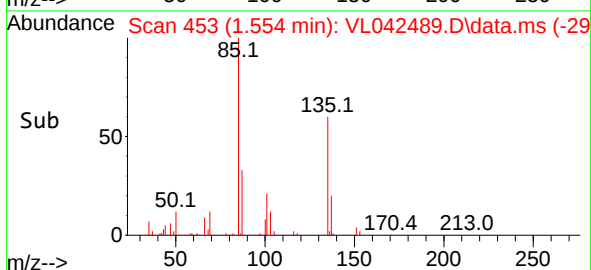
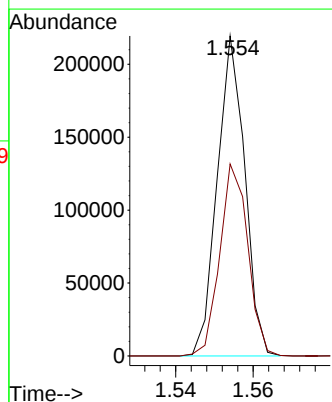
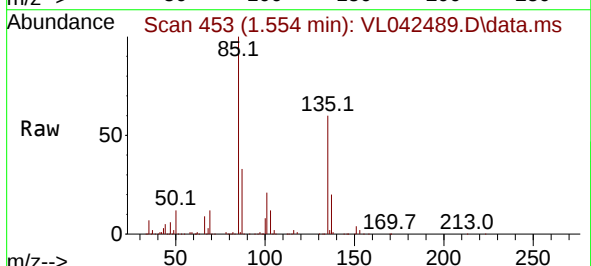
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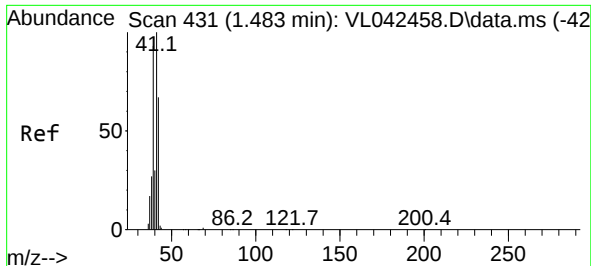
Reviewed By :Semsettin Yesilyurt 05/07/2025
Supervised By :Mahesh Dadoda 05/09/2025



#8
Dichlorotetrafluoroethane
Concen: 11.583 ppbv
RT: 1.554 min Scan# 453
Delta R.T. 0.000 min
Lab File: VL042489.D
Acq: 06 May 2025 10:44

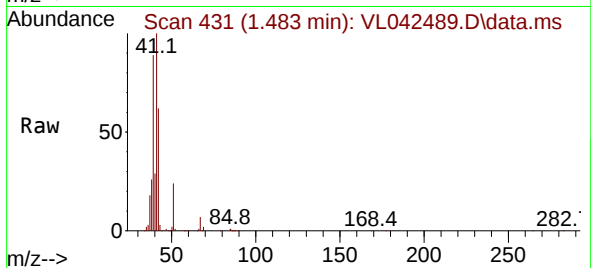
Tgt Ion: 85 Resp: 108256
Ion Ratio Lower Upper
85 100
135 61.3 49.8 74.8





#9
 Propene
 Concen: 9.357 ppbv
 RT: 1.483 min Scan# 41
 Delta R.T. 0.000 min
 Lab File: VL042489.D
 Acq: 06 May 2025 10:44

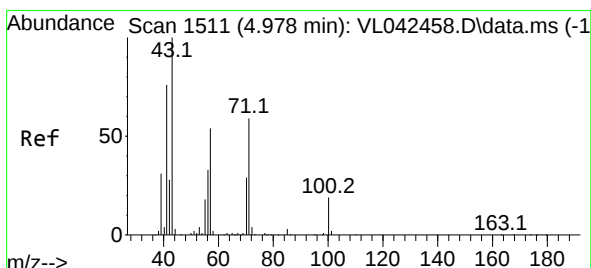
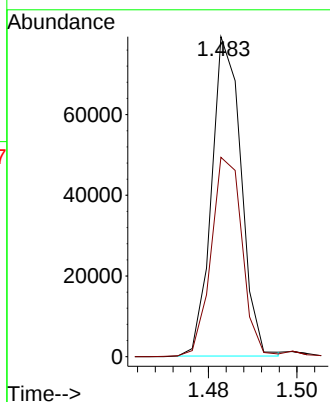
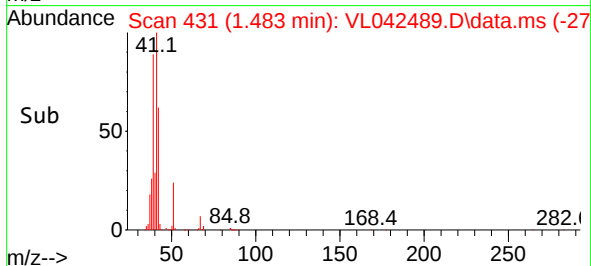
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0506ABS01



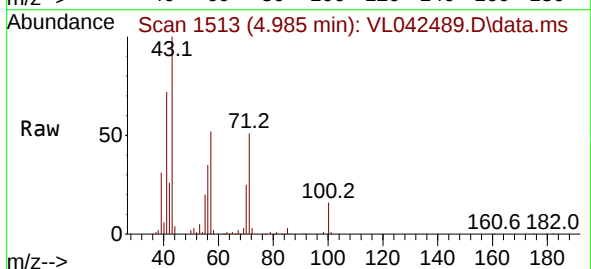
Tgt Ion: 41 Resp: 3668
 Ion Ratio Lower Upper
 41 100
 42 68.1 54.3 81.5

Manual Integrations
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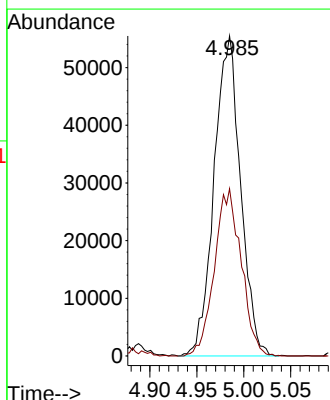
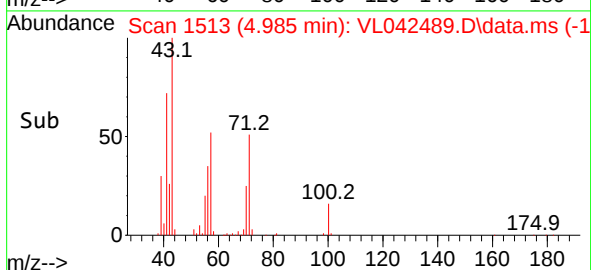
Reviewed By :Semsettin Yesilyurt 05/07/2025
 Supervised By :Mahesh Dadoda 05/09/2025

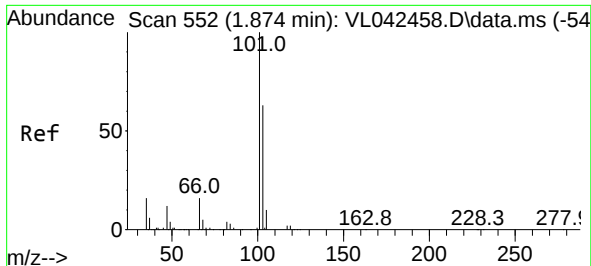


#10
 Heptane
 Concen: 10.693 ppbv
 RT: 4.985 min Scan# 1513
 Delta R.T. 0.007 min
 Lab File: VL042489.D
 Acq: 06 May 2025 10:44



Tgt Ion: 43 Resp: 108748
 Ion Ratio Lower Upper
 43 100
 57 52.8 41.8 62.8





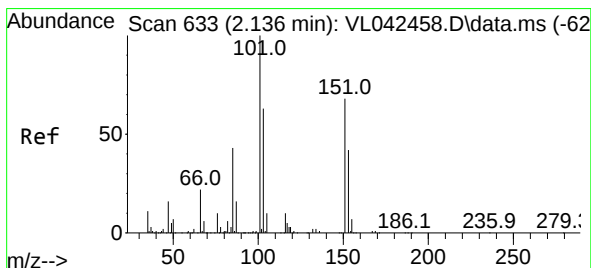
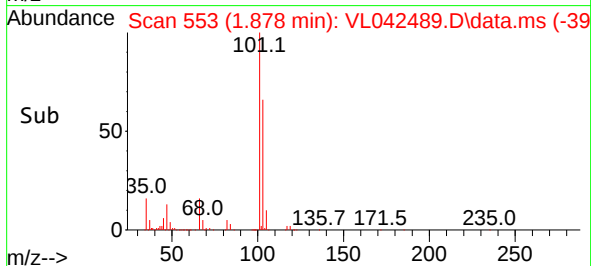
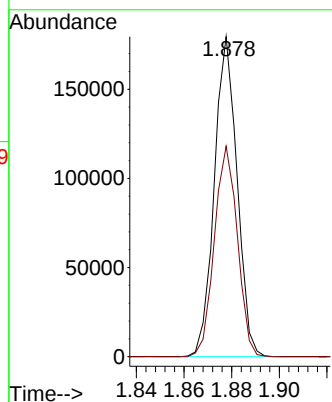
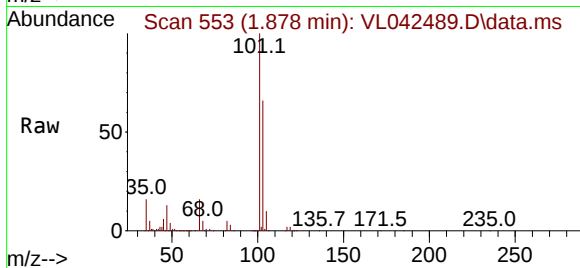
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Trichlorofluoromethane
Concen: 11.371 ppbv
RT: 1.878 min Scan# 511
Delta R.T. 0.004 min
Lab File: VL042489.D
Acq: 06 May 2025 10:44

Instrument :
MSVOA_L
ClientSampleId :
VL0506ABS01

Tgt Ion:101 Resp: 118964
Ion Ratio Lower Upper
101 100
103 65.8 50.6 76.0

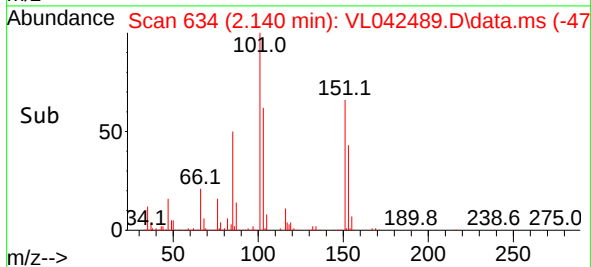
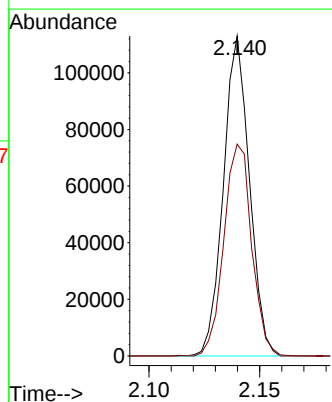
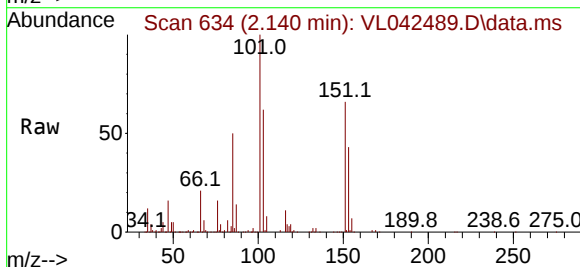
Manual Integrations
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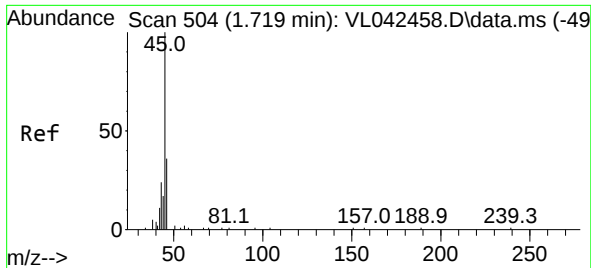
Reviewed By :Semsettin Yesilyurt 05/07/2025
Supervised By :Mahesh Dadoda 05/09/2025



#12
1,1,2-Trichlorotrifluoroethane
Concen: 11.072 ppbv
RT: 2.140 min Scan# 634
Delta R.T. 0.004 min
Lab File: VL042489.D
Acq: 06 May 2025 10:44

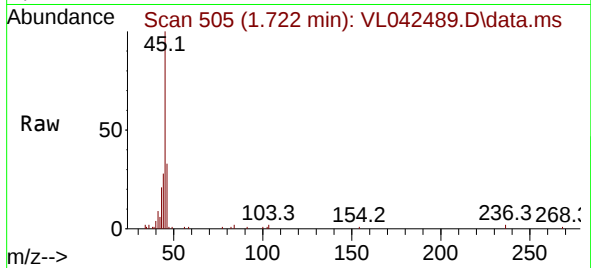
Tgt Ion:101 Resp: 92491
Ion Ratio Lower Upper
101 100
151 70.7 54.6 82.0





#13
Ethanol
Concen: 7.185 ppbv
RT: 1.722 min Scan# 504
Delta R.T. 0.004 min
Lab File: VL042489.D
Acq: 06 May 2025 10:44

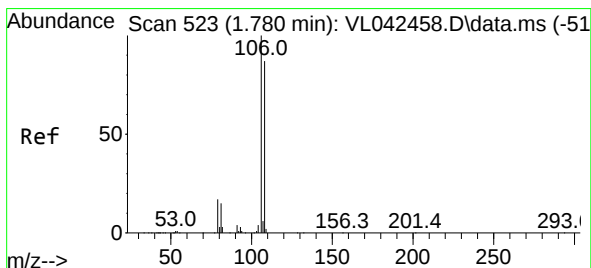
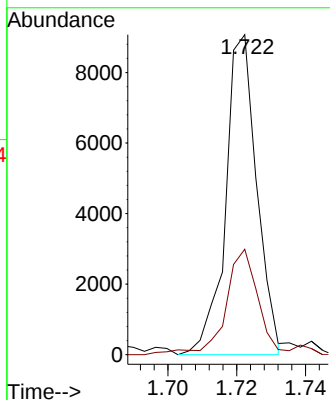
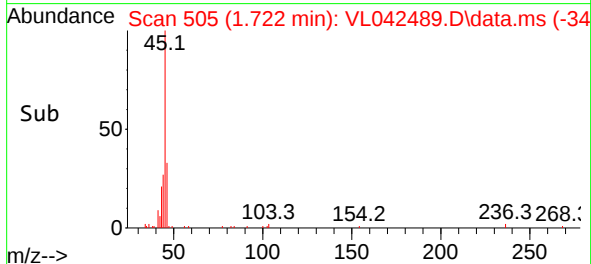
Instrument :
MSVOA_L
ClientSampleId :
VL0506ABS01



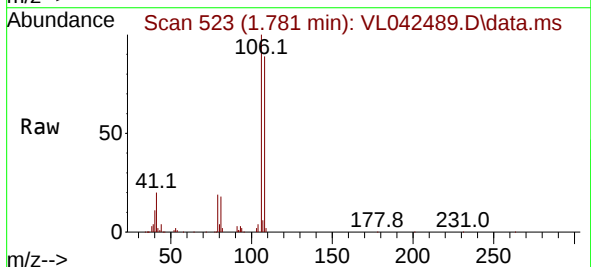
Tgt Ion: 45 Resp: 571
Ion Ratio Lower Upper
45 100
46 35.6 15.3 61.1

Manual Integrations
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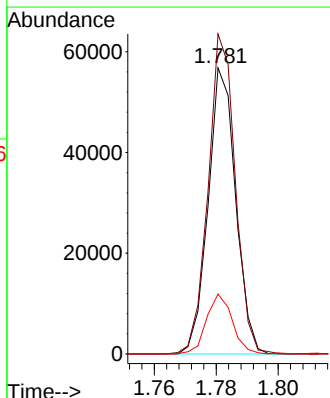
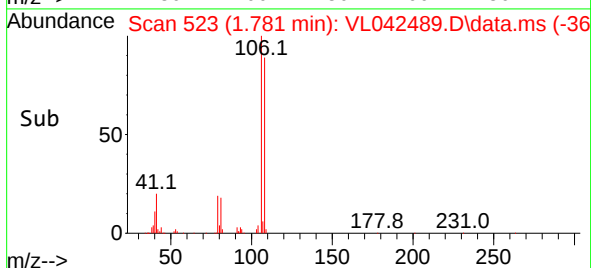
Reviewed By :Semsettin Yesilyurt 05/07/2025
Supervised By :Mahesh Dadoda 05/09/2025

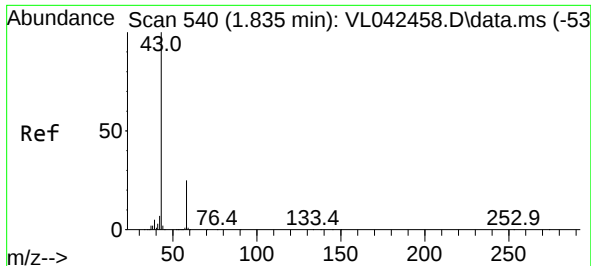


#14
Bromoethene
Concen: 11.361 ppbv
RT: 1.781 min Scan# 523
Delta R.T. 0.000 min
Lab File: VL042489.D
Acq: 06 May 2025 10:44



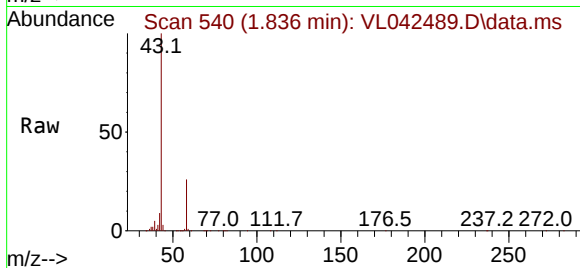
Tgt Ion:108 Resp: 35036
Ion Ratio Lower Upper
108 100
106 110.2 88.8 133.2
79 19.8 17.1 25.7





#15
Acetone
Concen: 8.868 ppbv
RT: 1.836 min Scan# 54
Delta R.T. 0.000 min
Lab File: VL042489.D
Acq: 06 May 2025 10:44

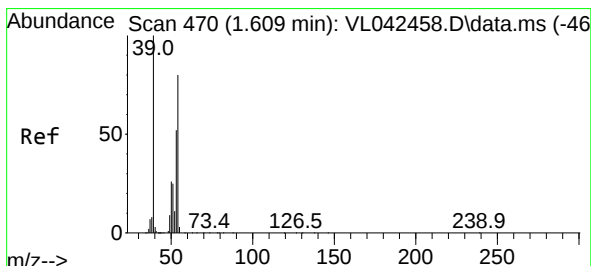
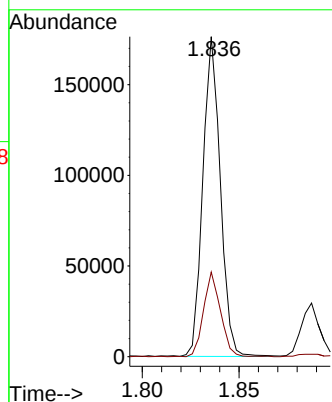
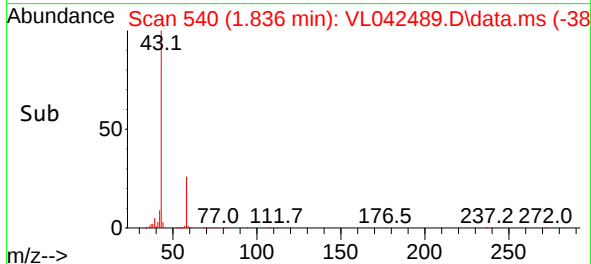
Instrument :
MSVOA_L
ClientSampleId :
VL0506ABS01



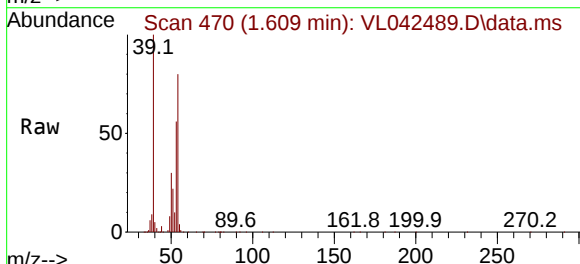
Tgt Ion: 43 Resp: 11091
Ion Ratio Lower Upper
43 100
58 25.7 19.8 29.8

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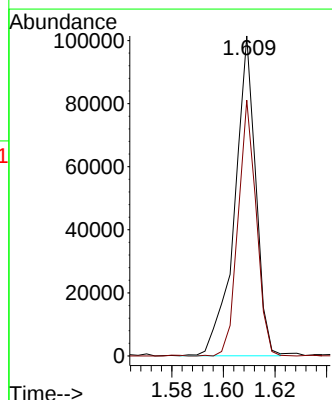
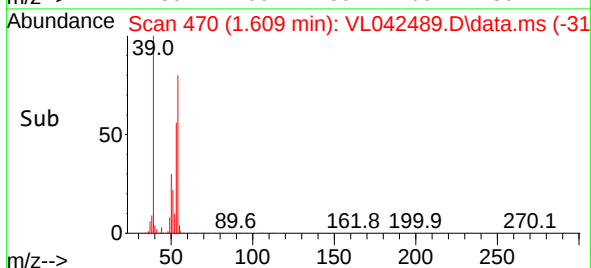
Reviewed By :Semsettin Yesilyurt 05/07/2025
Supervised By :Mahesh Dadoda 05/09/2025

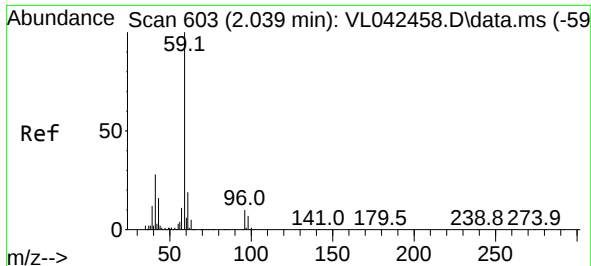


#16
1,3-Butadiene
Concen: 10.473 ppbv
RT: 1.609 min Scan# 470
Delta R.T. 0.000 min
Lab File: VL042489.D
Acq: 06 May 2025 10:44



Tgt Ion: 39 Resp: 57769
Ion Ratio Lower Upper
39 100
54 68.9 55.2 82.8





#17

tert-Butyl alcohol

Concen: 11.038 ppbv

RT: 2.043 min Scan# 603

Delta R.T. 0.004 min

Lab File: VL042489.D

Acq: 06 May 2025 10:44

Instrument :

MSVOA_L

ClientSampleId :

VL0506ABS01

Tgt Ion: 59 Resp: 121629

Ion Ratio Lower Upper

59 100

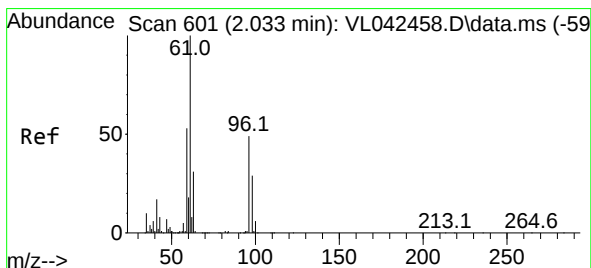
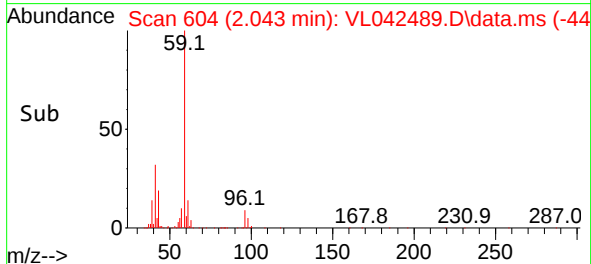
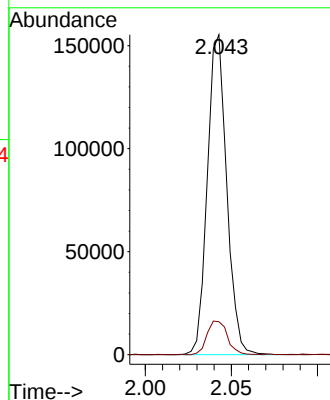
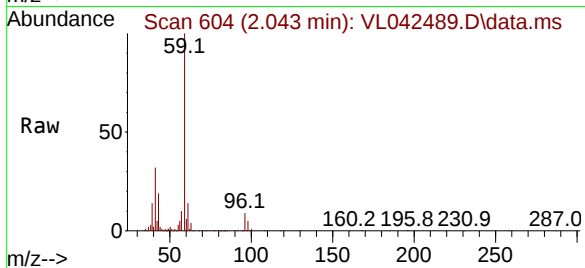
57 11.2 8.3 12.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/07/2025

Supervised By :Mahesh Dadoda 05/09/2025



#18

1,1-Dichloroethene

Concen: 10.658 ppbv

RT: 2.033 min Scan# 601

Delta R.T. 0.000 min

Lab File: VL042489.D

Acq: 06 May 2025 10:44

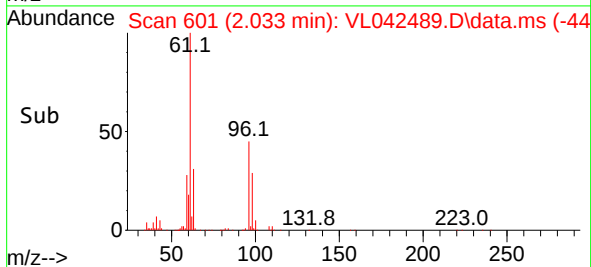
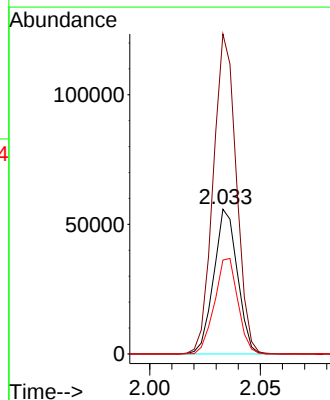
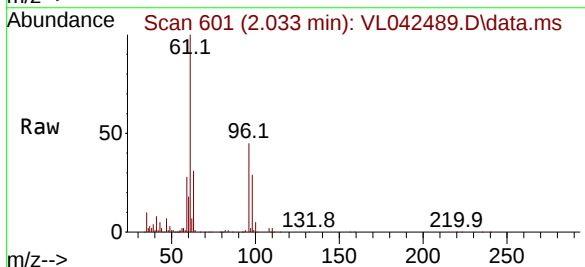
Tgt Ion: 96 Resp: 41573

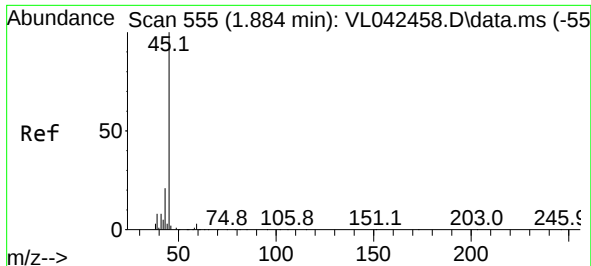
Ion Ratio Lower Upper

96 100

61 221.1 164.9 247.3

98 64.9 48.2 72.2





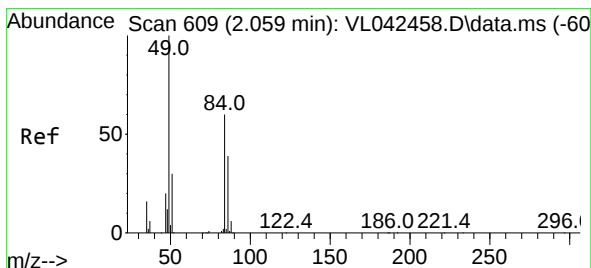
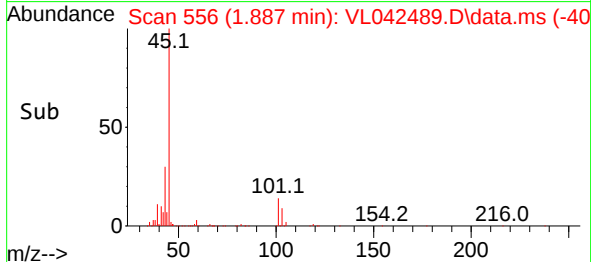
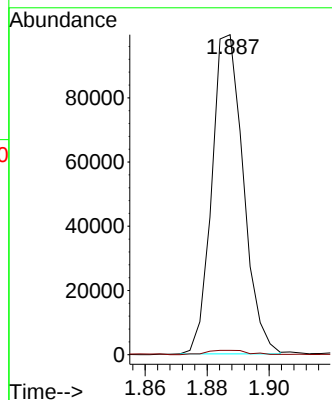
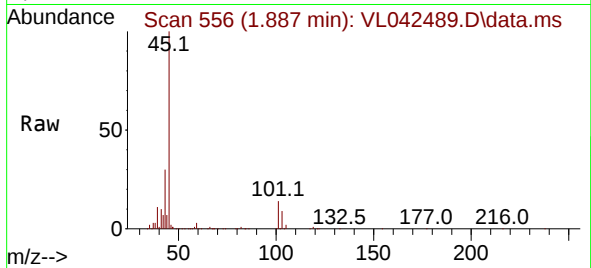
#19
Isopropyl Alcohol
Concen: 10.133 ppbv
RT: 1.887 min Scan# 511
Delta R.T. 0.004 min
Lab File: VL042489.D
Acq: 06 May 2025 10:44

Instrument :
MSVOA_L
ClientSampleId :
VL0506ABS01

Tgt Ion: 45 Resp: 7014
Ion Ratio Lower Upper
45 100
58 2.0 1.6 2.4

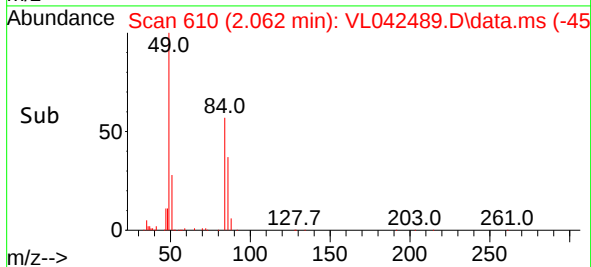
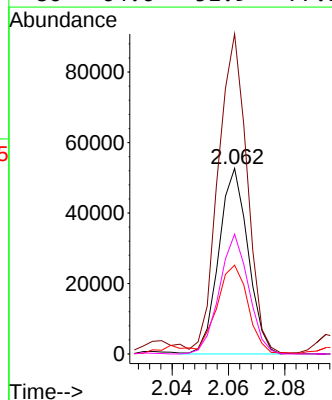
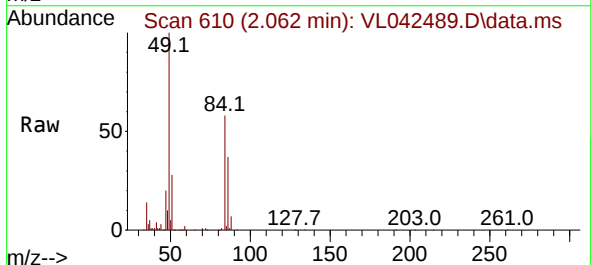
Manual Integrations
APPROVED

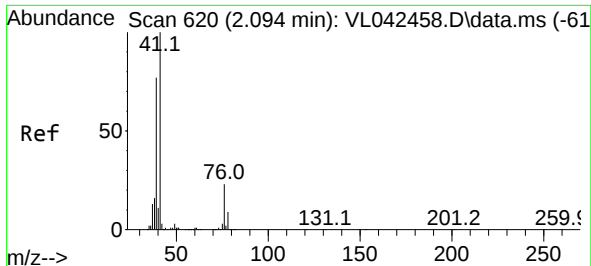
Reviewed By :Semsettin Yesilyurt 05/07/2025
Supervised By :Mahesh Dadoda 05/09/2025



#20
Methylene Chloride
Concen: 10.113 ppbv
RT: 2.062 min Scan# 610
Delta R.T. 0.004 min
Lab File: VL042489.D
Acq: 06 May 2025 10:44

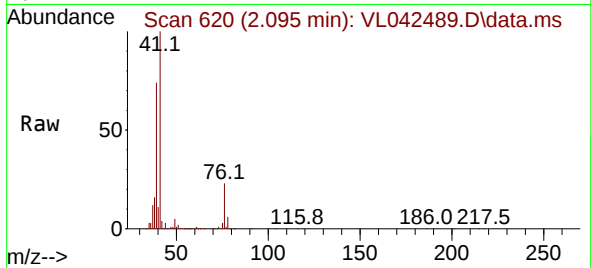
Tgt Ion: 84 Resp: 38025
Ion Ratio Lower Upper
84 100
49 171.4 133.9 200.9
51 47.3 41.0 61.6
86 64.6 51.9 77.9





#21
 Allyl Chloride
 Concen: 10.820 ppbv
 RT: 2.095 min Scan# 61
 Delta R.T. 0.000 min
 Lab File: VL042489.D
 Acq: 06 May 2025 10:44

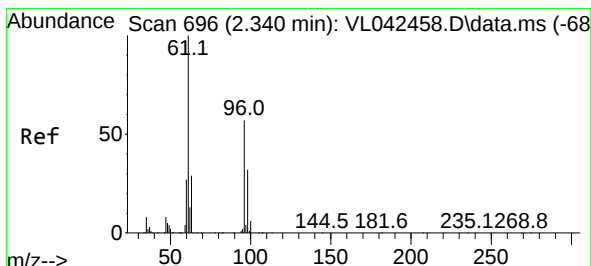
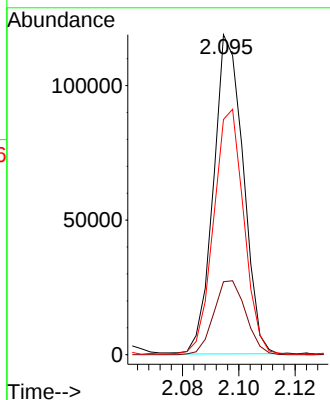
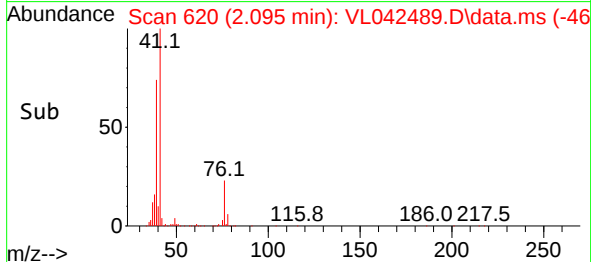
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0506ABS01



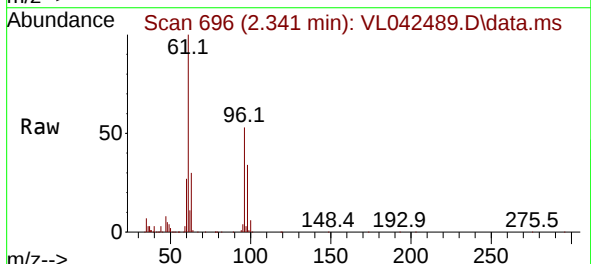
Tgt Ion: 41 Resp: 87030
 Ion Ratio Lower Upper
 41 100
 76 24.9 19.6 29.4
 39 77.9 61.0 91.4

Manual Integrations
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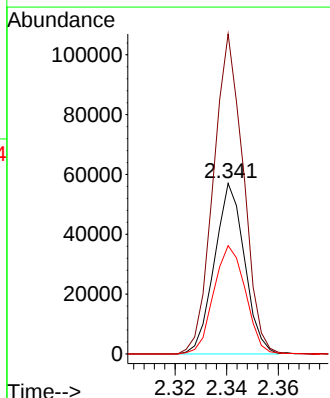
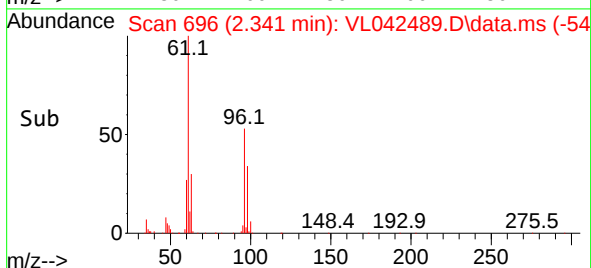
Reviewed By :Semsettin Yesilyurt 05/07/2025
 Supervised By :Mahesh Dadoda 05/09/2025

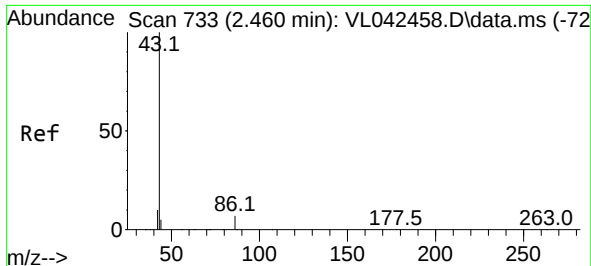


#22
 trans-1,2-Dichloroethene
 Concen: 10.140 ppbv
 RT: 2.341 min Scan# 696
 Delta R.T. 0.000 min
 Lab File: VL042489.D
 Acq: 06 May 2025 10:44



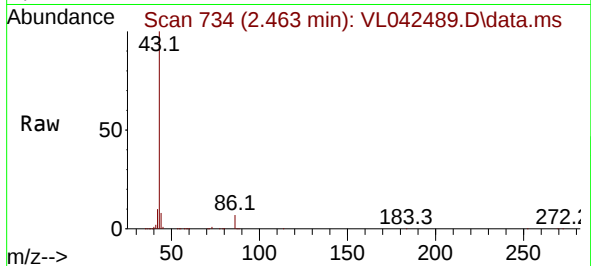
Tgt Ion: 96 Resp: 46194
 Ion Ratio Lower Upper
 96 100
 61 187.5 141.8 212.6
 98 63.5 45.0 67.6





#23
 Vinyl Acetate
 Concen: 10.263 ppbv
 RT: 2.463 min Scan# 71
 Delta R.T. 0.004 min
 Lab File: VL042489.D
 Acq: 06 May 2025 10:44

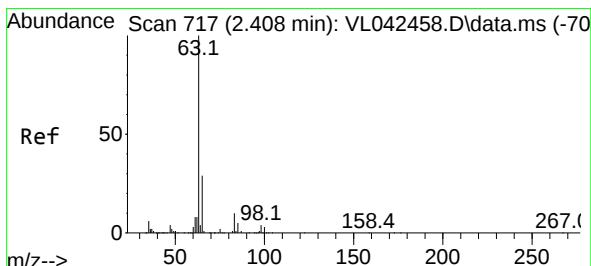
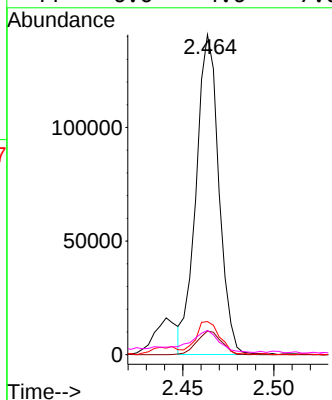
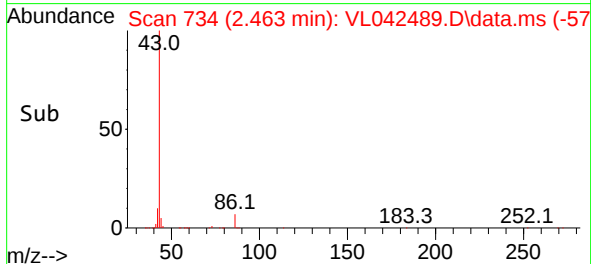
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0506ABS01



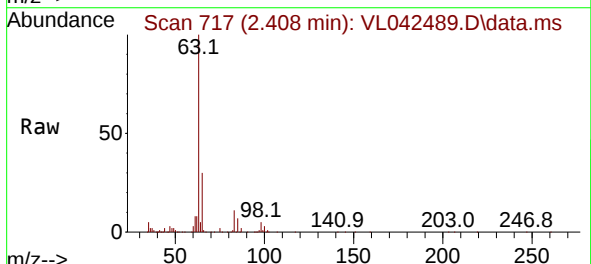
Tgt Ion: 43 Resp: 12250
 Ion Ratio Lower Upper
 43 100
 86 7.4 5.5 8.3
 42 10.3 8.3 12.5
 44 6.6 4.6 7.0

Manual Integrations
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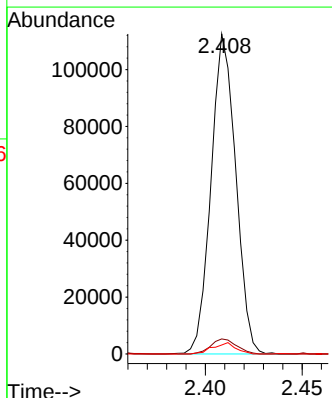
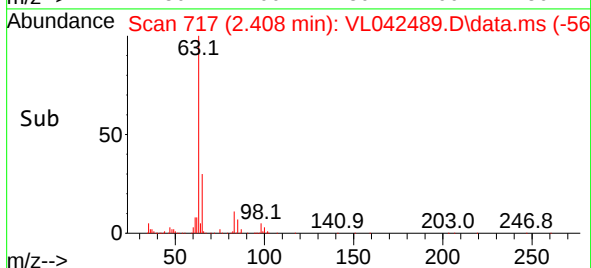
Reviewed By :Semsettin Yesilyurt 05/07/2025
 Supervised By :Mahesh Dadoda 05/09/2025

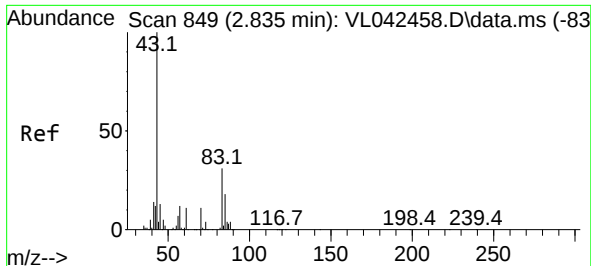


#24
 1,1-Dichloroethane
 Concen: 10.747 ppbv
 RT: 2.408 min Scan# 717
 Delta R.T. 0.000 min
 Lab File: VL042489.D
 Acq: 06 May 2025 10:44



Tgt Ion: 63 Resp: 99878
 Ion Ratio Lower Upper
 63 100
 98 4.7 1.8 5.5
 100 2.8 1.4 4.2





#25

Ethyl Acetate

Concen: 10.377 ppbv

RT: 2.839 min Scan# 849

Delta R.T. 0.004 min

Lab File: VL042489.D

Acq: 06 May 2025 10:44

Instrument :

MSVOA_L

ClientSampleId :

VL0506ABS01

Tgt Ion: 43 Resp: 207809

Ion Ratio Lower Upper

43 100

45 9.6 7.8 11.6

61 9.6 7.2 10.8

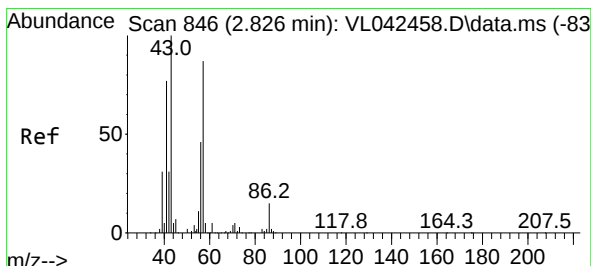
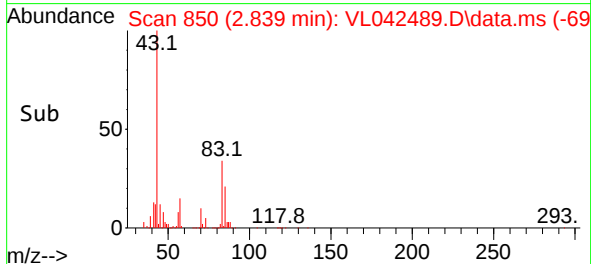
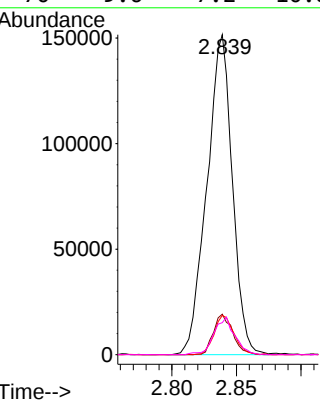
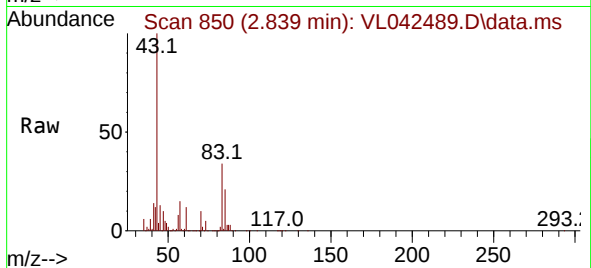
70 9.6 7.2 10.8

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 05/07/2025

Supervised By :Mahesh Dadoda 05/09/2025



#26

Hexane

Concen: 10.775 ppbv

RT: 2.826 min Scan# 846

Delta R.T. 0.000 min

Lab File: VL042489.D

Acq: 06 May 2025 10:44

Tgt Ion: 57 Resp: 94005

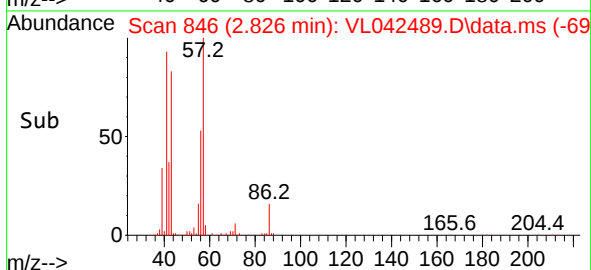
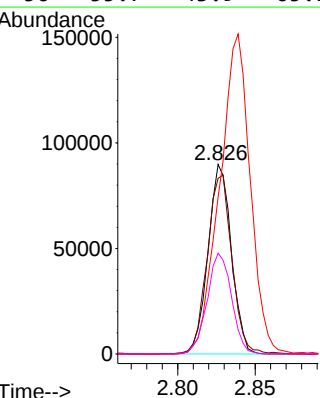
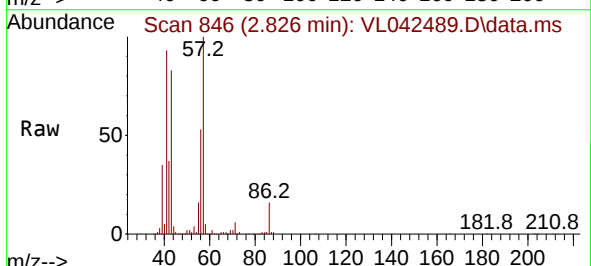
Ion Ratio Lower Upper

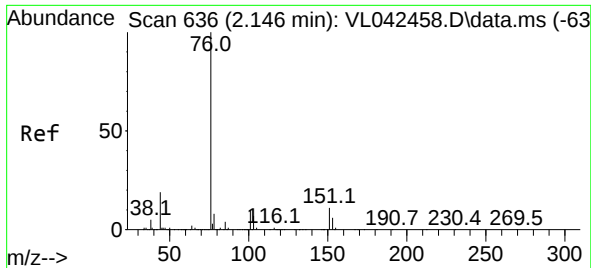
57 100

41 100.1 77.8 116.8

43 222.1 187.0 280.6

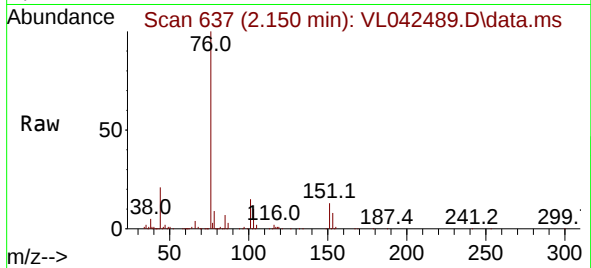
56 55.7 43.9 65.9





#27
Carbon Disulfide
Concen: 11.662 ppbv
RT: 2.150 min Scan# 61
Delta R.T. 0.004 min
Lab File: VL042489.D
Acq: 06 May 2025 10:44

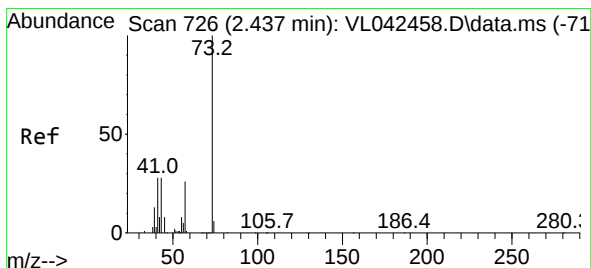
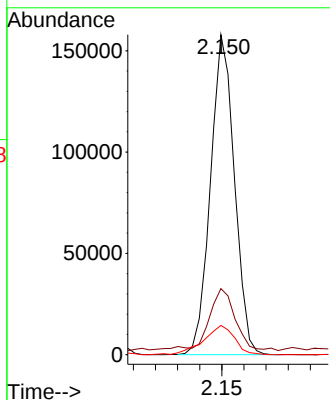
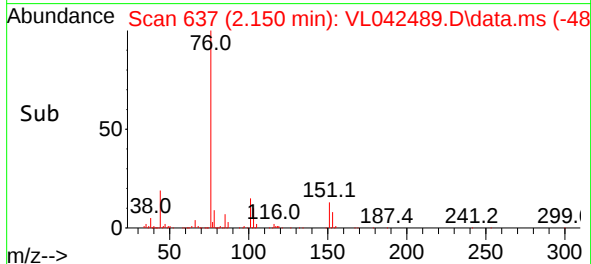
Instrument :
MSVOA_L
ClientSampleId :
VL0506ABS01



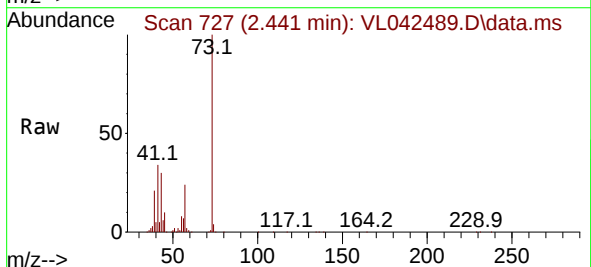
Tgt Ion: 76 Resp: 118732
Ion Ratio Lower Upper
76 100
44 18.7 21.0 31.6
78 11.8 8.6 13.0

Manual Integrations
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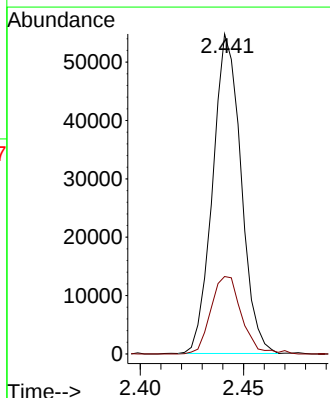
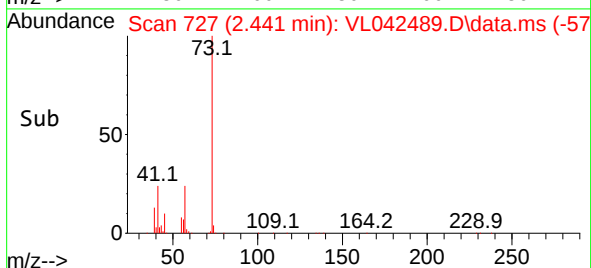
Reviewed By :Semsettin Yesilyurt 05/07/2025
Supervised By :Mahesh Dadoda 05/09/2025

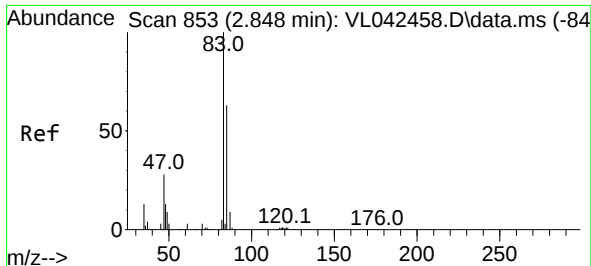


#28
Methyl tert-Butyl Ether
Concen: 9.977 ppbv
RT: 2.441 min Scan# 727
Delta R.T. 0.004 min
Lab File: VL042489.D
Acq: 06 May 2025 10:44



Tgt Ion: 73 Resp: 52295
Ion Ratio Lower Upper
73 100
57 26.2 19.9 29.9





#29

Chloroform

Concen: 10.896 ppbv

RT: 2.849 min Scan# 853

Delta R.T. 0.000 min

Lab File: VL042489.D

Acq: 06 May 2025 10:44

Instrument :

MSVOA_L

ClientSampleId :

VL0506ABS01

Tgt Ion: 83 Resp: 178140

Ion Ratio Lower Upper

83 100

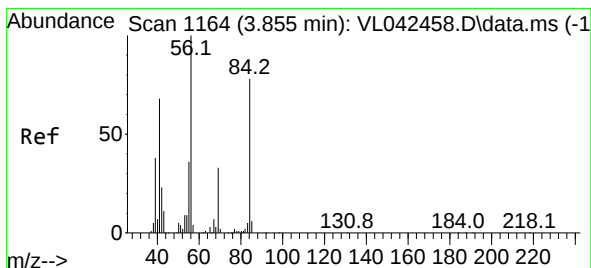
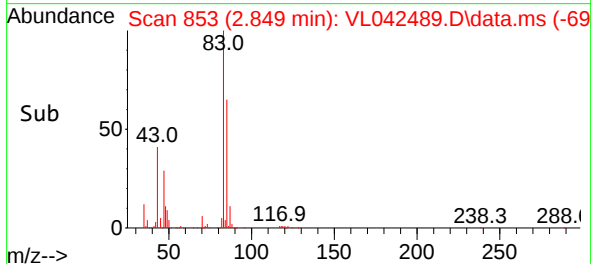
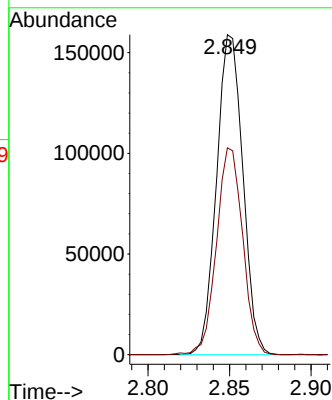
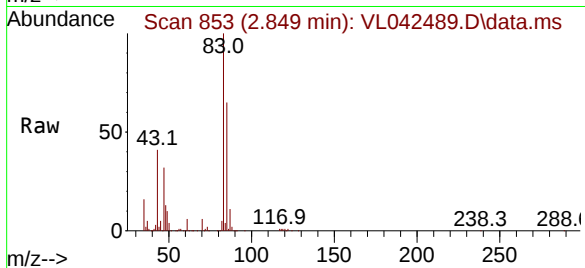
85 64.6 50.4 75.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/07/2025

Supervised By :Mahesh Dadoda 05/09/2025



#30

Cyclohexane

Concen: 10.751 ppbv

RT: 3.858 min Scan# 1165

Delta R.T. 0.004 min

Lab File: VL042489.D

Acq: 06 May 2025 10:44

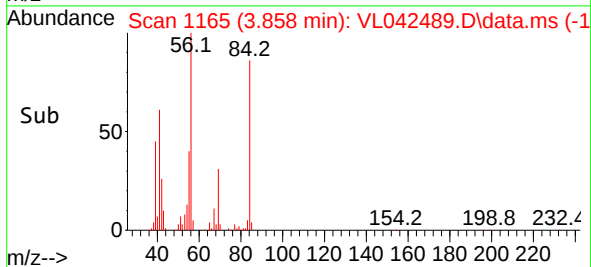
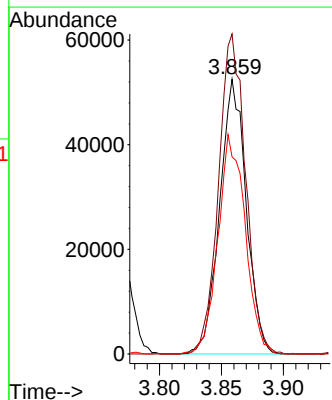
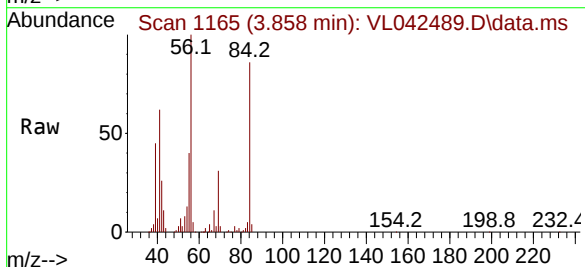
Tgt Ion: 84 Resp: 78419

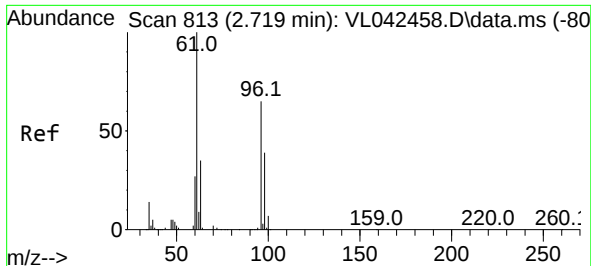
Ion Ratio Lower Upper

84 100

56 118.5 98.1 147.1

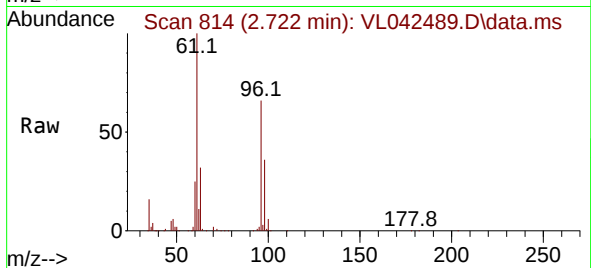
41 81.8 65.8 98.8





#31
 cis-1,2-Dichloroethene
 Concen: 10.119 ppbv
 RT: 2.722 min Scan# 81
 Delta R.T. 0.004 min
 Lab File: VL042489.D
 Acq: 06 May 2025 10:44

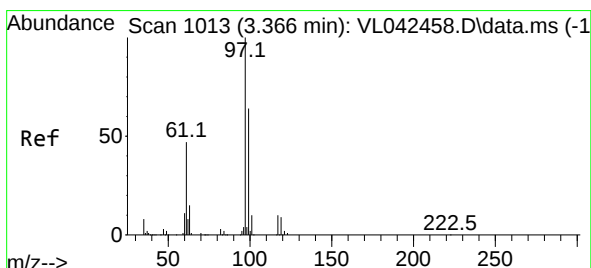
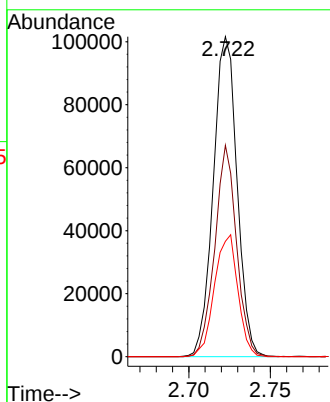
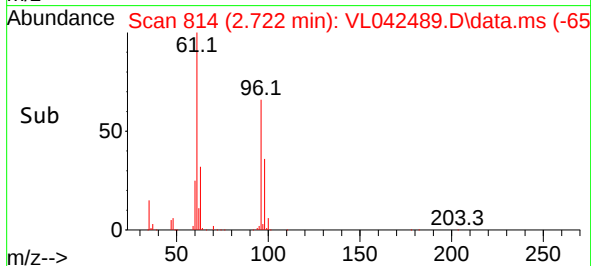
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0506ABS01



Tgt Ion: 61 Resp: 102999
 Ion Ratio Lower Upper
 61 100
 96 66.0 52.0 78.0
 98 36.1 31.0 46.6

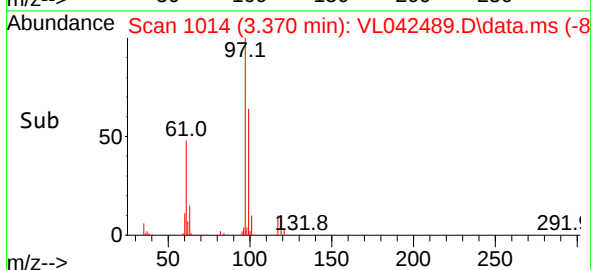
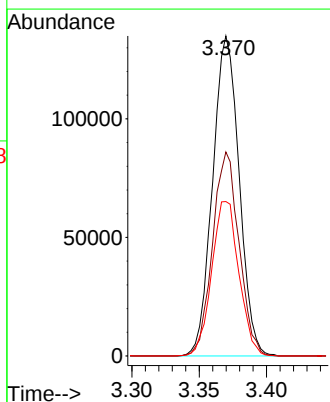
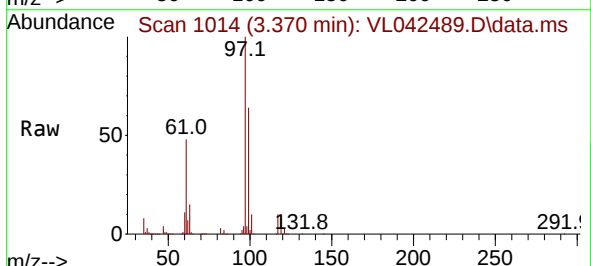
Manual Integrations
 APPROVED

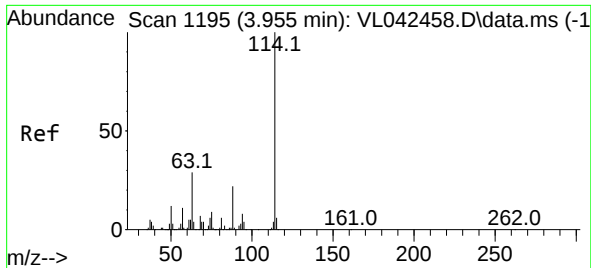
Reviewed By :Semsettin Yesilyurt 05/07/2025
 Supervised By :Mahesh Dadoda 05/09/2025



#32
 1,1,1-Trichloroethane
 Concen: 10.433 ppbv
 RT: 3.370 min Scan# 1014
 Delta R.T. 0.004 min
 Lab File: VL042489.D
 Acq: 06 May 2025 10:44

Tgt Ion: 97 Resp: 185042
 Ion Ratio Lower Upper
 97 100
 99 63.6 50.7 76.1
 61 49.6 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: VL042489.D

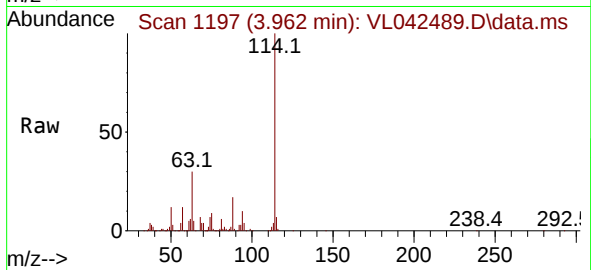
Acq: 06 May 2025 10:44

Instrument :

MSVOA_L

ClientSampleId :

VL0506ABS01



Tgt Ion:114 Resp: 189760

Ion Ratio Lower Upper

114 100

63 29.4 23.1 34.7

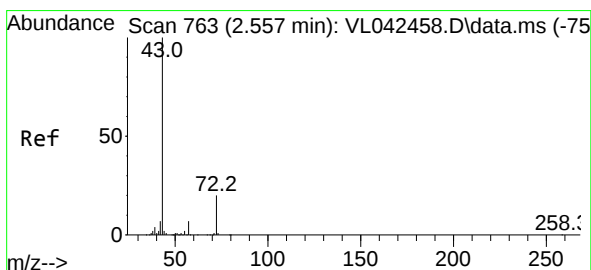
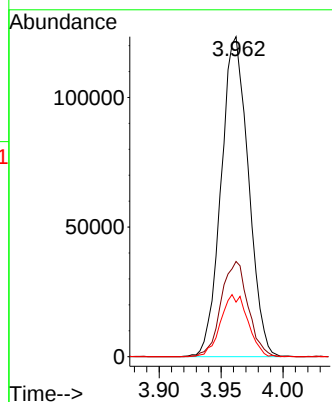
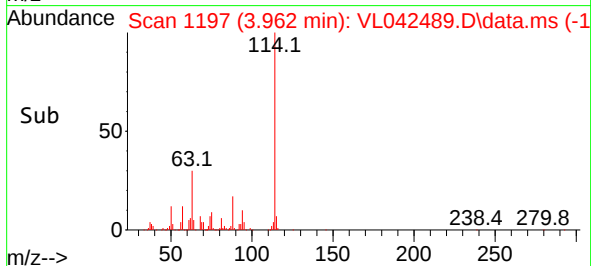
88 19.4 16.1 24.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/07/2025

Supervised By :Mahesh Dadoda 05/09/2025



#34

2-Butanone

Concen: 9.874 ppbv

RT: 2.561 min Scan# 764

Delta R.T. 0.004 min

Lab File: VL042489.D

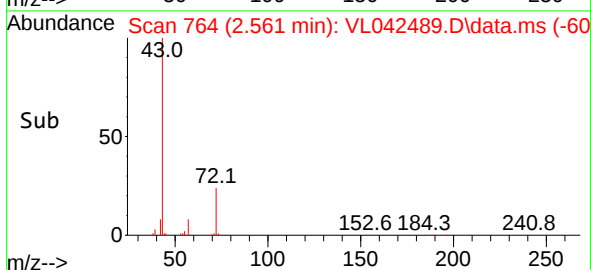
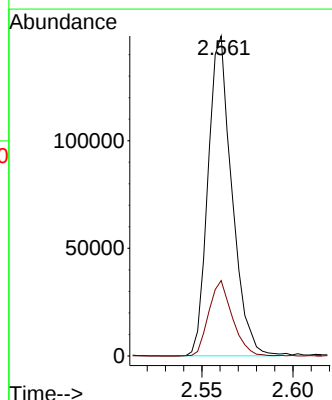
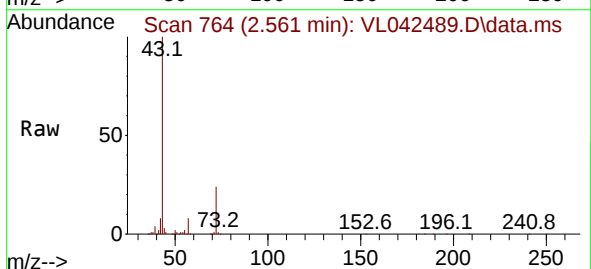
Acq: 06 May 2025 10:44

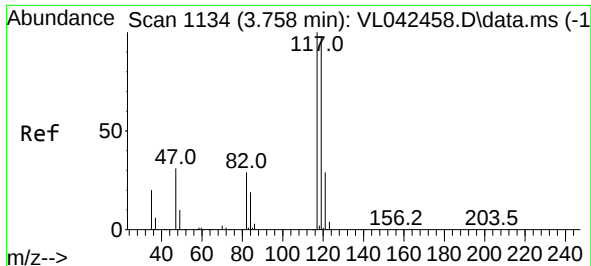
Tgt Ion: 43 Resp: 135534

Ion Ratio Lower Upper

43 100

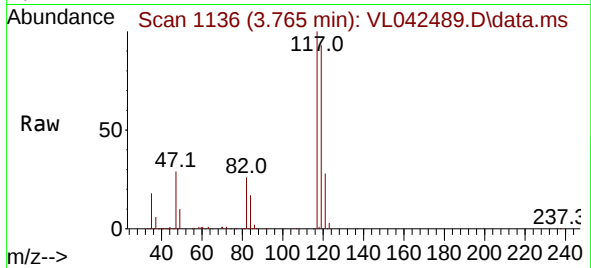
72 23.4 16.7 25.1





#35
Carbon Tetrachloride
Concen: 11.164 ppbv
RT: 3.765 min Scan# 1134
Delta R.T. 0.007 min
Lab File: VL042489.D
Acq: 06 May 2025 10:44

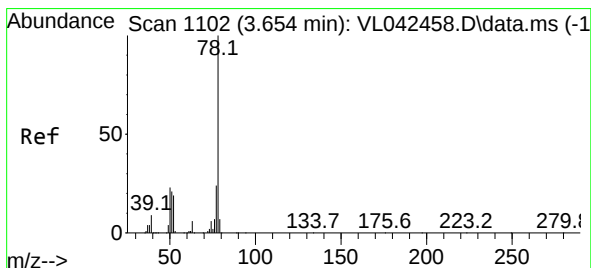
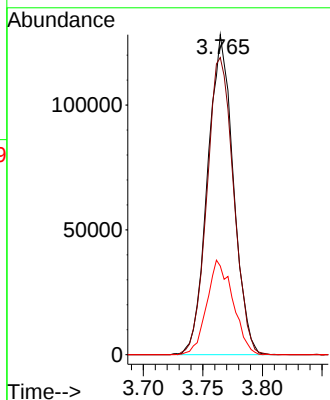
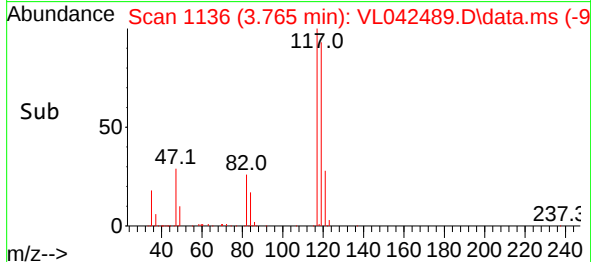
Instrument :
MSVOA_L
ClientSampleId :
VL0506ABS01



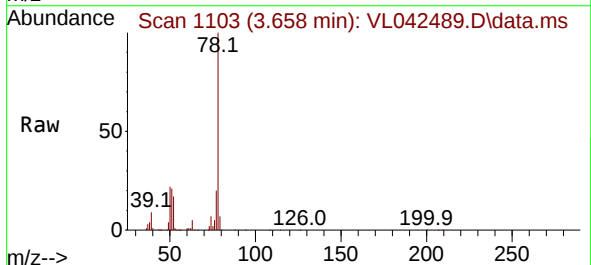
Tgt Ion: 117 Resp: 192452
Ion Ratio Lower Upper
117 100
119 92.8 78.1 117.1
121 27.7 23.0 34.6

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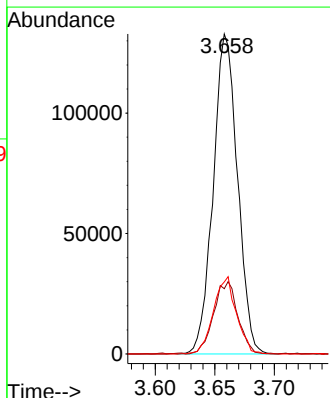
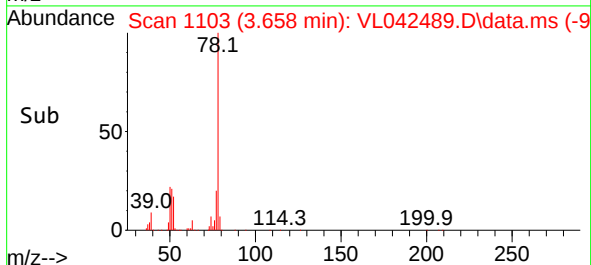
Reviewed By :Semsettin Yesilyurt 05/07/2025
Supervised By :Mahesh Dadoda 05/09/2025

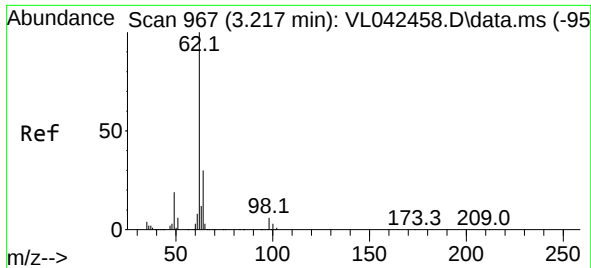


#36
Benzene
Concen: 10.503 ppbv
RT: 3.658 min Scan# 1103
Delta R.T. 0.004 min
Lab File: VL042489.D
Acq: 06 May 2025 10:44



Tgt Ion: 78 Resp: 188082
Ion Ratio Lower Upper
78 100
77 20.4 18.9 28.3
50 22.5 18.4 27.6





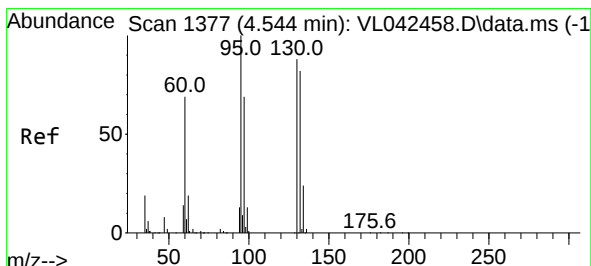
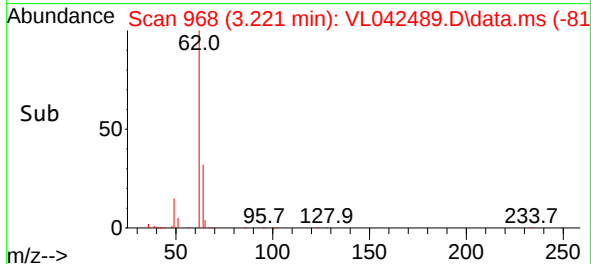
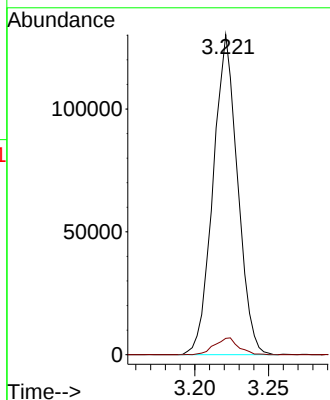
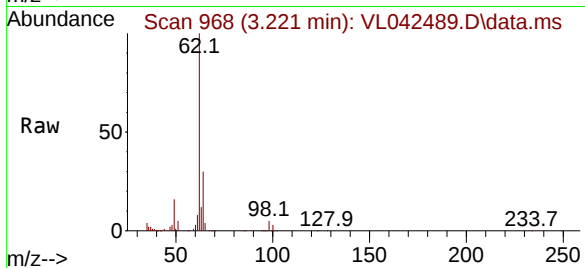
#37
1,2-Dichloroethane
Concen: 10.922 ppbv
RT: 3.221 min Scan# 967
Delta R.T. 0.004 min
Lab File: VL042489.D
Acq: 06 May 2025 10:44

Instrument :
MSVOA_L
ClientSampleId :
VL0506ABS01

Tgt Ion: 62 Resp: 15074
Ion Ratio Lower Upper
62 100
98 5.1 4.3 6.5

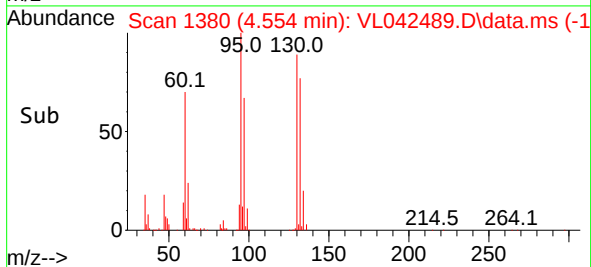
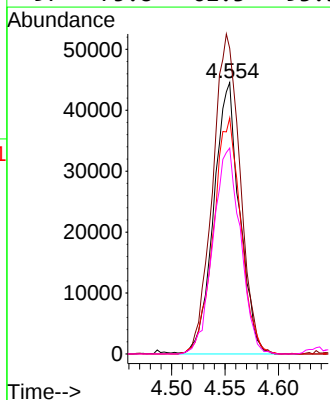
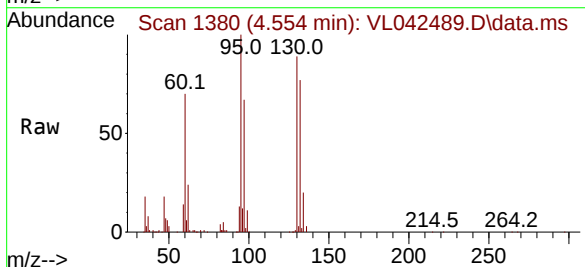
Manual Integrations
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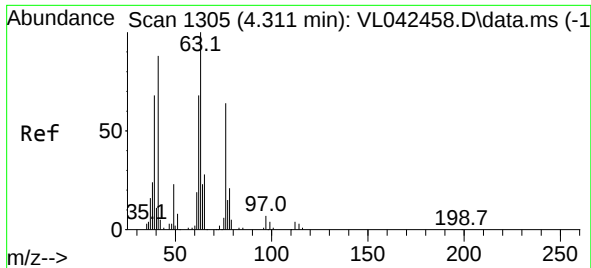
Reviewed By :Semsettin Yesilyurt 05/07/2025
Supervised By :Mahesh Dadoda 05/09/2025



#38
Trichloroethene
Concen: 11.005 ppbv
RT: 4.554 min Scan# 1380
Delta R.T. 0.010 min
Lab File: VL042489.D
Acq: 06 May 2025 10:44

Tgt Ion:130 Resp: 75153
Ion Ratio Lower Upper
130 100
95 112.6 91.0 136.4
132 86.9 74.2 111.4
97 75.8 62.3 93.5





#39

1,2-Dichloropropane

Concen: 10.086 ppbv

RT: 4.315 min Scan# 1305

Delta R.T. 0.004 min

Lab File: VL042489.D

Acq: 06 May 2025 10:44

Instrument :

MSVOA_L

ClientSampleId :

VL0506ABS01

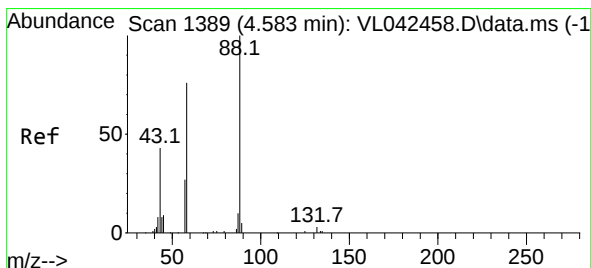
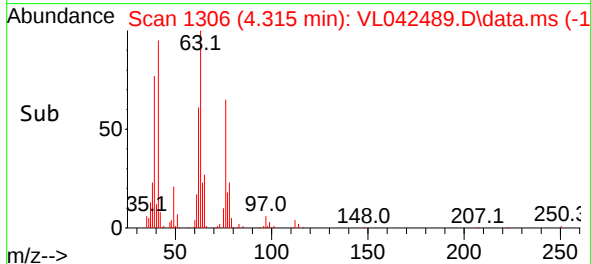
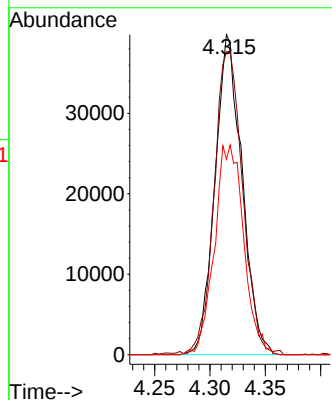
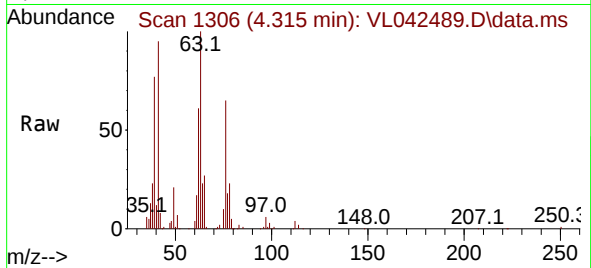
Tgt Ion: 63 Resp: 67610

Ion	Ratio	Lower	Upper
63	100		
41	93.6	69.8	104.6
62	61.0	54.3	81.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/07/2025
Supervised By :Mahesh Dadoda 05/09/2025



#40

1,4-Dioxane

Concen: 9.786 ppbv

RT: 4.583 min Scan# 1389

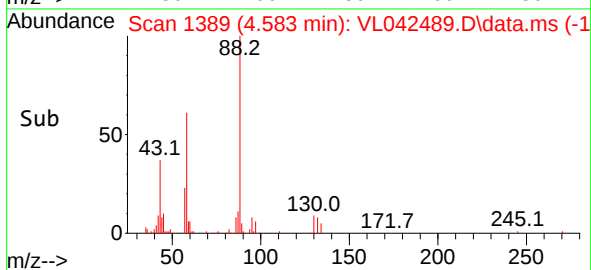
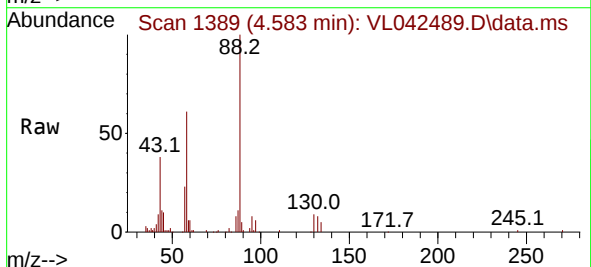
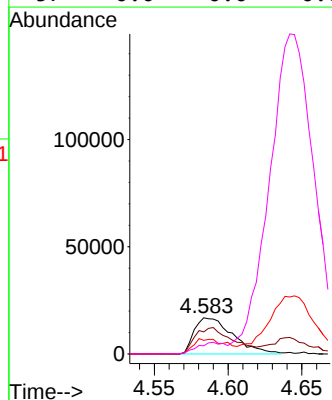
Delta R.T. 0.000 min

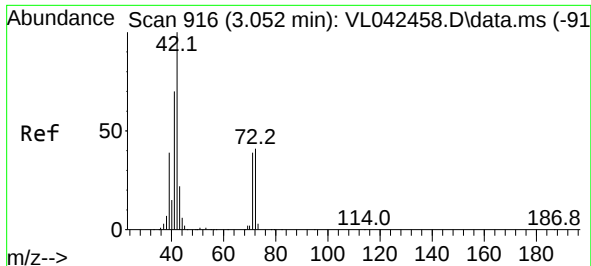
Lab File: VL042489.D

Acq: 06 May 2025 10:44

Tgt Ion: 88 Resp: 30720

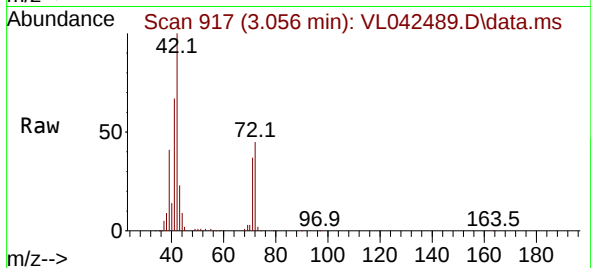
Ion	Ratio	Lower	Upper
88	100		
58	69.3	0.0	0.0#
43	36.9	0.0	0.0#
57	0.0	0.0	0.0





#41
Tetrahydrofuran
Concen: 10.179 ppbv
RT: 3.056 min Scan# 916
Delta R.T. 0.004 min
Lab File: VL042489.D
Acq: 06 May 2025 10:44

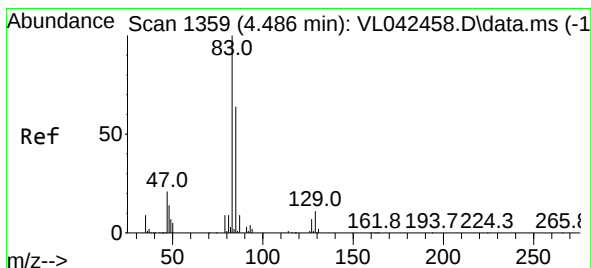
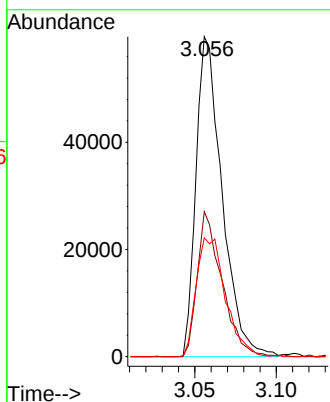
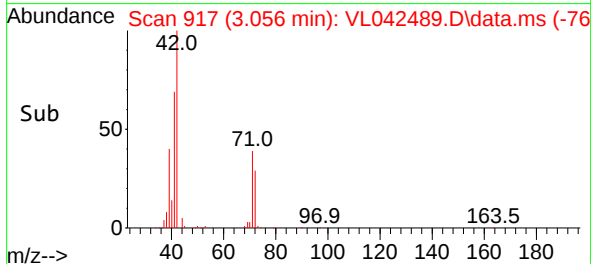
Instrument :
MSVOA_L
ClientSampleId :
VL0506ABS01



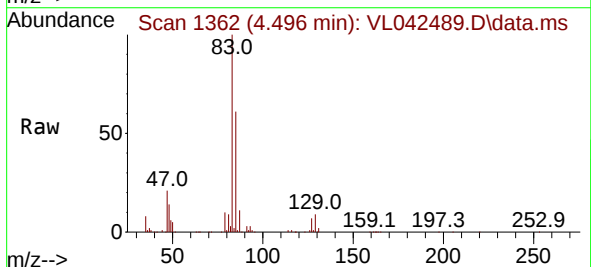
Tgt Ion: 42 Resp: 66397
Ion Ratio Lower Upper
42 100
72 43.1 33.5 50.3
71 41.7 32.6 49.0

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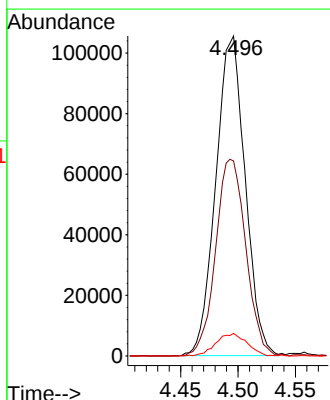
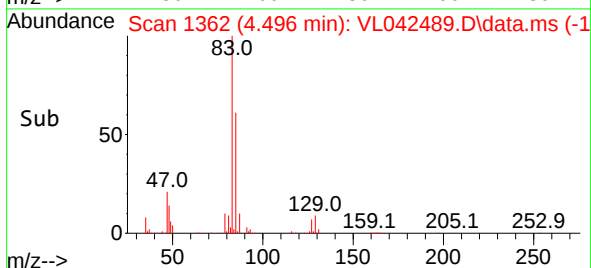
Reviewed By :Semsettin Yesilyurt 05/07/2025
Supervised By :Mahesh Dadoda 05/09/2025

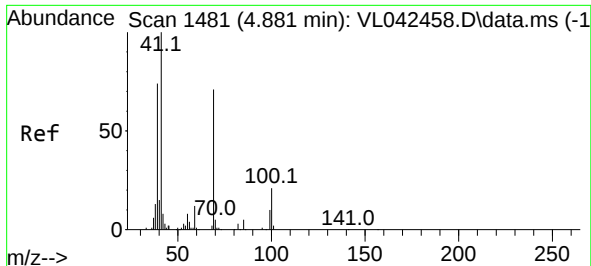


#42
Bromodichloromethane
Concen: 11.163 ppbv
RT: 4.496 min Scan# 1362
Delta R.T. 0.010 min
Lab File: VL042489.D
Acq: 06 May 2025 10:44



Tgt Ion: 83 Resp: 188247
Ion Ratio Lower Upper
83 100
85 61.0 51.5 77.3
127 7.0 5.4 8.2





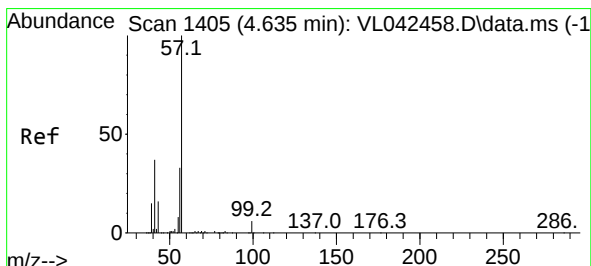
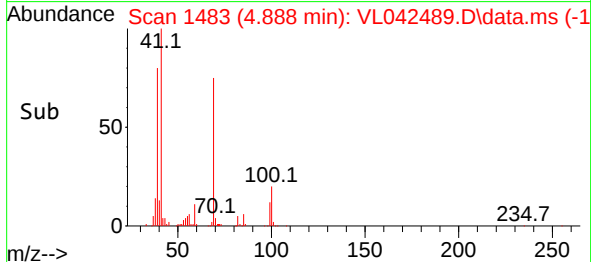
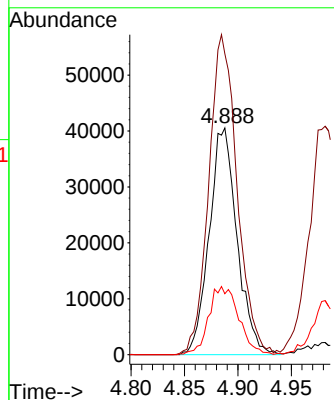
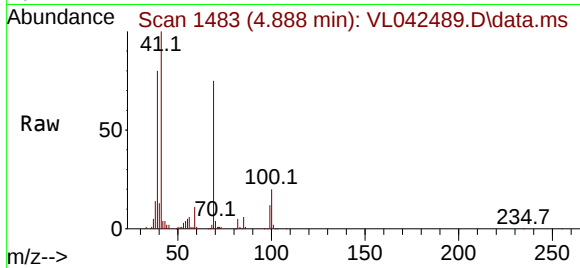
#43
Methyl Methacrylate
Concen: 11.030 ppbv
RT: 4.888 min Scan# 1483
Delta R.T. 0.007 min
Lab File: VL042489.D
Acq: 06 May 2025 10:44

Instrument :
MSVOA_L
ClientSampleId :
VL0506ABS01

Tgt Ion: 69 Resp: 73710
Ion Ratio Lower Upper
69 100
41 143.1 120.8 181.2
100 32.3 26.7 40.1

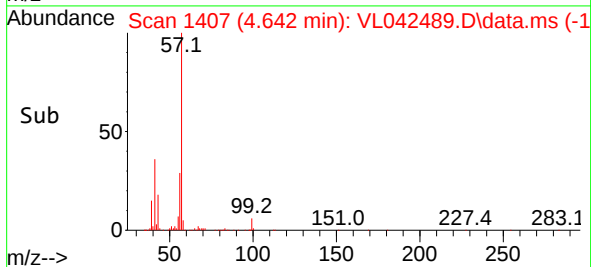
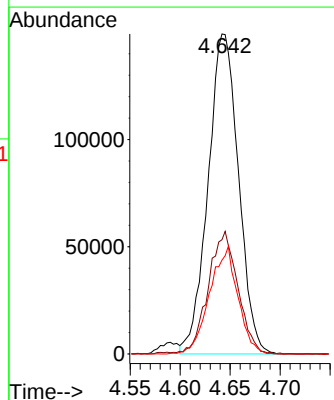
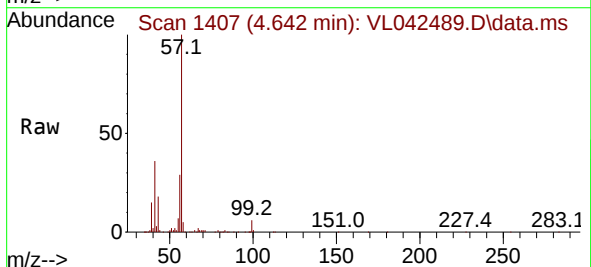
Manual Integrations
APPROVED

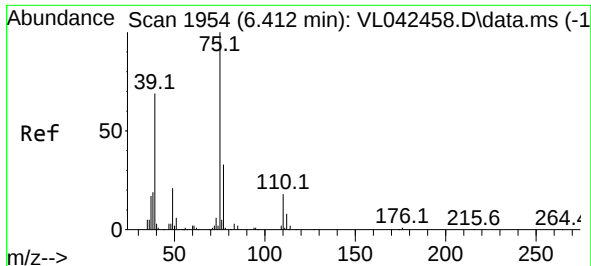
Reviewed By :Semsettin Yesilyurt 05/07/2025
Supervised By :Mahesh Dadoda 05/09/2025



#44
2,2,4-Trimethylpentane
Concen: 10.921 ppbv
RT: 4.642 min Scan# 1407
Delta R.T. 0.007 min
Lab File: VL042489.D
Acq: 06 May 2025 10:44

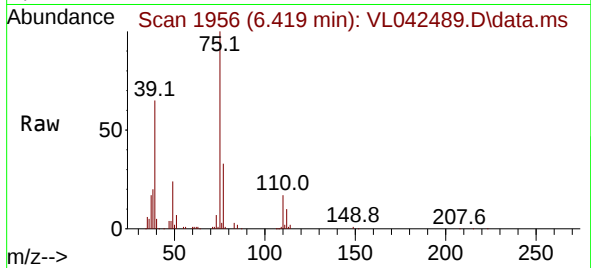
Tgt Ion: 57 Resp: 317017
Ion Ratio Lower Upper
57 100
41 37.6 30.6 45.8
56 31.1 25.0 37.6





#45
 t-1,3-Dichloropropene
 Concen: 10.864 ppbv
 RT: 6.419 min Scan# 1954
 Delta R.T. 0.007 min
 Lab File: VL042489.D
 Acq: 06 May 2025 10:44

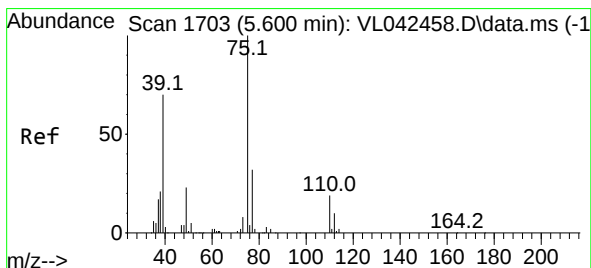
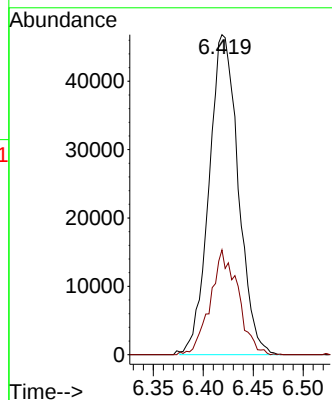
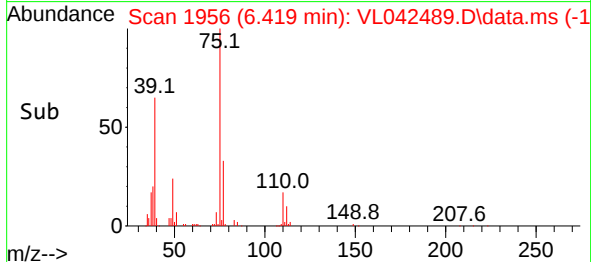
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0506ABS01



Tgt Ion: 75 Resp: 95249
 Ion Ratio Lower Upper
 75 100
 77 32.8 26.3 39.5

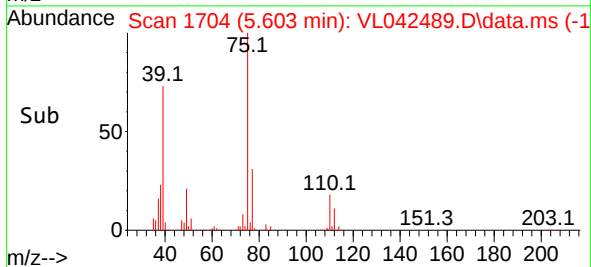
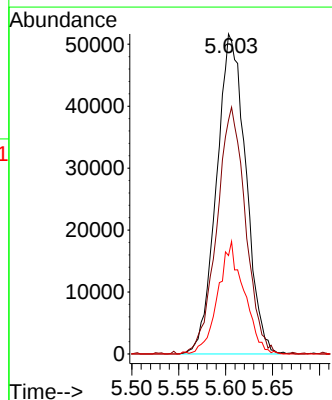
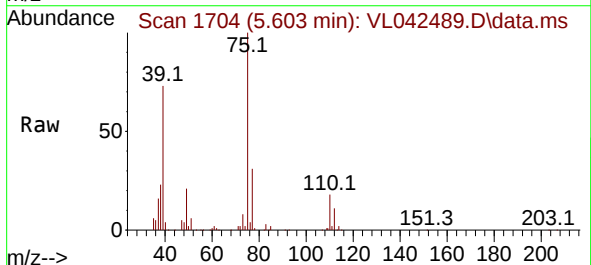
Manual Integrations
 APPROVED

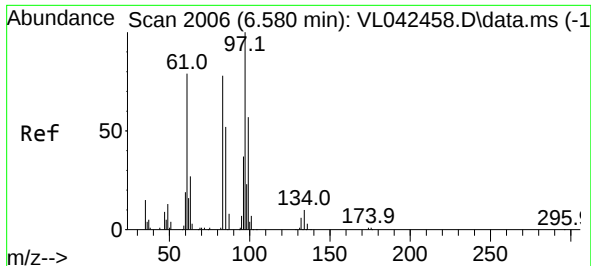
Reviewed By :Semsettin Yesilyurt 05/07/2025
 Supervised By :Mahesh Dadoda 05/09/2025



#46
 cis-1,3-Dichloropropene
 Concen: 10.751 ppbv
 RT: 5.603 min Scan# 1704
 Delta R.T. 0.004 min
 Lab File: VL042489.D
 Acq: 06 May 2025 10:44

Tgt Ion: 75 Resp: 112024
 Ion Ratio Lower Upper
 75 100
 39 72.9 55.7 83.5
 77 30.8 25.8 38.8





#47
1,1,2-Trichloroethane
Concen: 10.880 ppbv
RT: 6.590 min Scan# 2006
Delta R.T. 0.010 min
Lab File: VL042489.D
Acq: 06 May 2025 10:44

Instrument :

MSVOA_L

ClientSampleId :

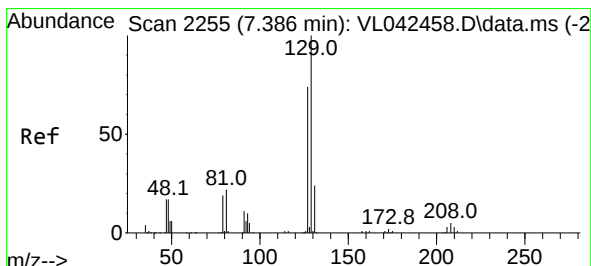
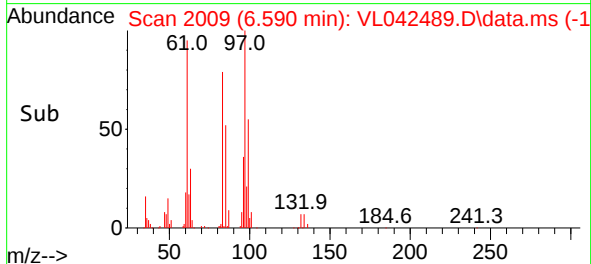
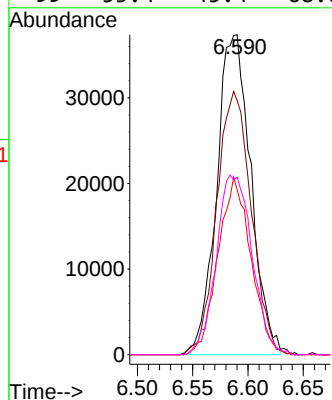
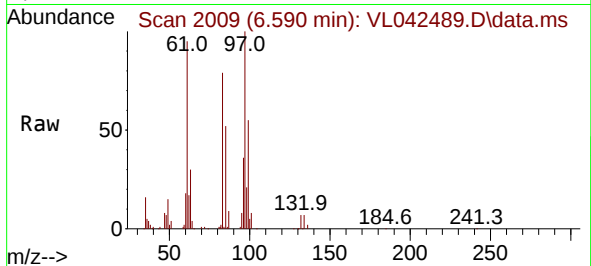
VL0506ABS01

Tgt Ion: 97	Resp: 80000
Ion Ratio	Lower Upper
97 100	
83 79.4	62.2 93.2
85 51.5	41.5 62.3
99 55.4	45.4 68.0

Manual Integrations

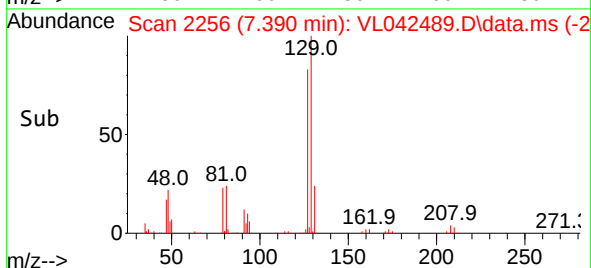
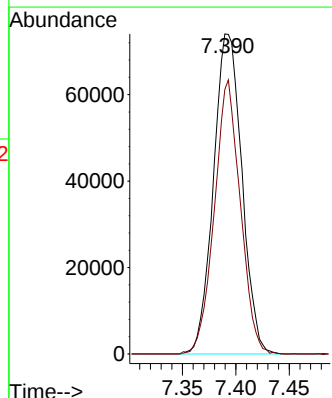
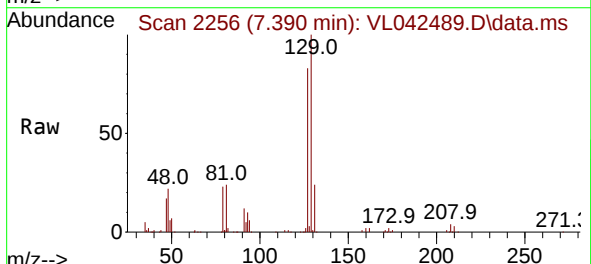
APPROVED

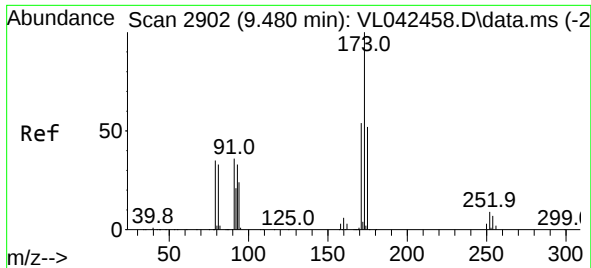
Reviewed By :Semsettin Yesilyurt 05/07/2025
Supervised By :Mahesh Dadoda 05/09/2025



#48
Dibromochloromethane
Concen: 11.039 ppbv
RT: 7.390 min Scan# 2256
Delta R.T. 0.004 min
Lab File: VL042489.D
Acq: 06 May 2025 10:44

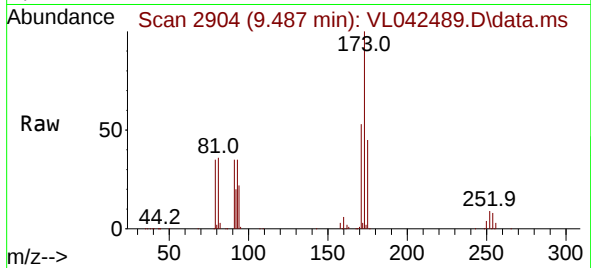
Tgt Ion:129	Resp: 137019
Ion Ratio	Lower Upper
129 100	
127 78.1	39.5 118.5





#49
Bromoform
Concen: 11.110 ppbv
RT: 9.487 min Scan# 2902
Delta R.T. 0.007 min
Lab File: VL042489.D
Acq: 06 May 2025 10:44

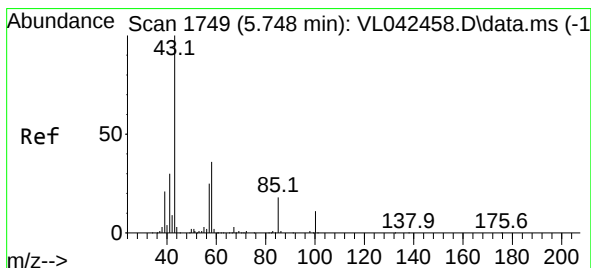
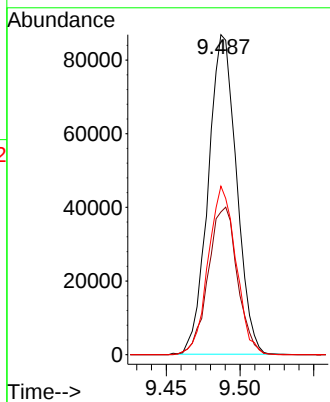
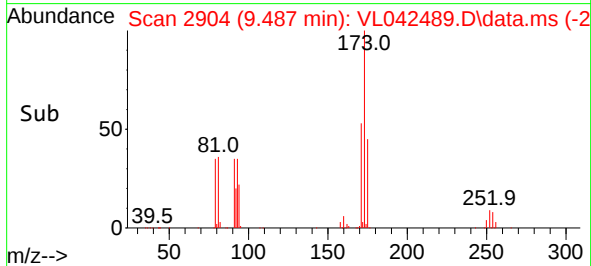
Instrument :
MSVOA_L
ClientSampleId :
VL0506ABS01



Tgt Ion: 173 Resp: 115649
Ion Ratio Lower Upper
173 100
175 47.8 38.9 58.3
171 51.8 40.6 60.8

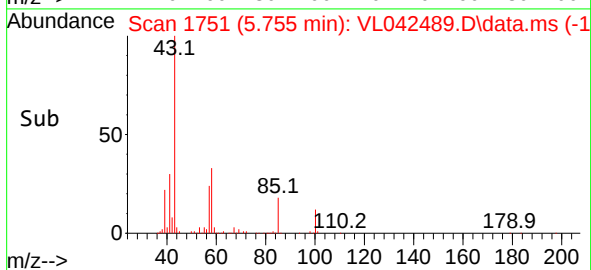
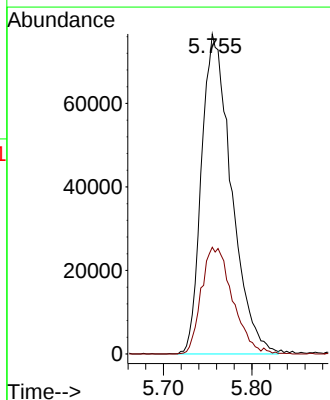
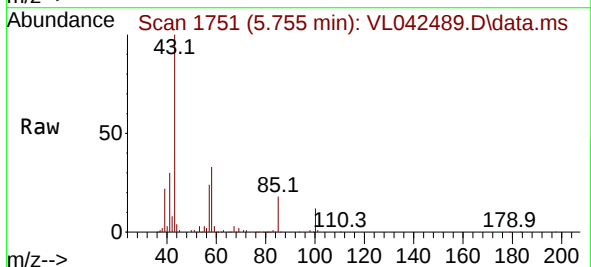
Manual Integrations
APPROVED

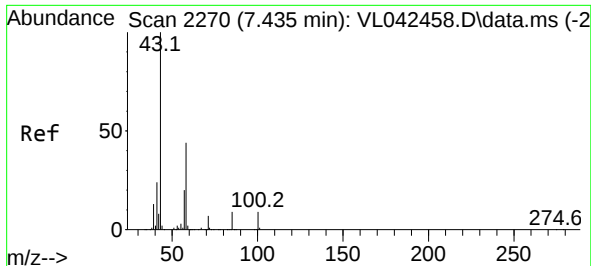
Reviewed By :Semsettin Yesilyurt 05/07/2025
Supervised By :Mahesh Dadoda 05/09/2025



#50
4-Methyl-2-Pentanone
Concen: 10.365 ppbv
RT: 5.755 min Scan# 1751
Delta R.T. 0.007 min
Lab File: VL042489.D
Acq: 06 May 2025 10:44

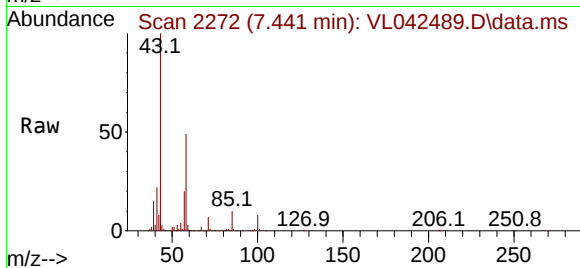
Tgt Ion: 43 Resp: 179961
Ion Ratio Lower Upper
43 100
58 34.9 29.5 44.3





#51
2-Hexanone
Concen: 10.359 ppbv
RT: 7.441 min Scan# 21
Delta R.T. 0.007 min
Lab File: VL042489.D
Acq: 06 May 2025 10:44

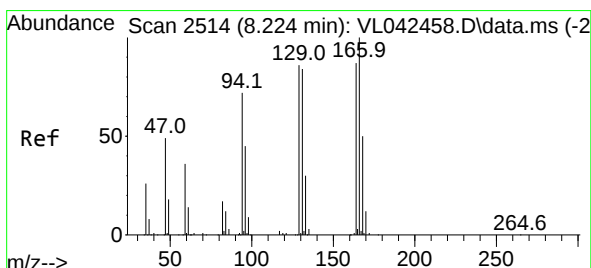
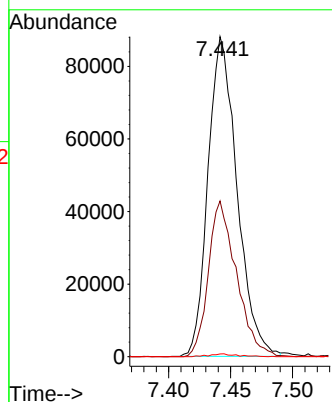
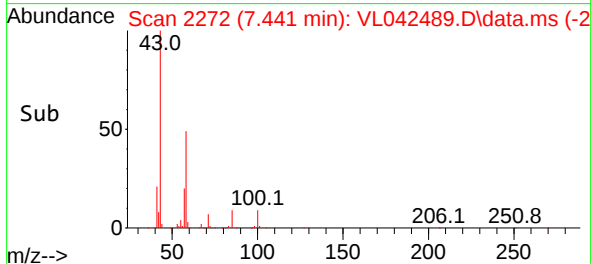
Instrument :
MSVOA_L
ClientSampleId :
VL0506ABS01



Tgt Ion: 43 Resp: 14380
Ion Ratio Lower Upper
43 100
58 47.3 37.2 55.8
98 0.8 0.4 0.6

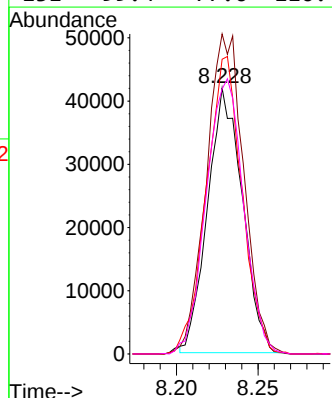
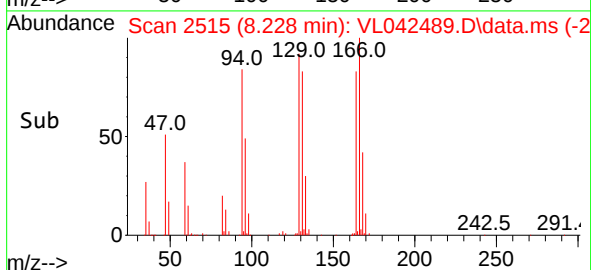
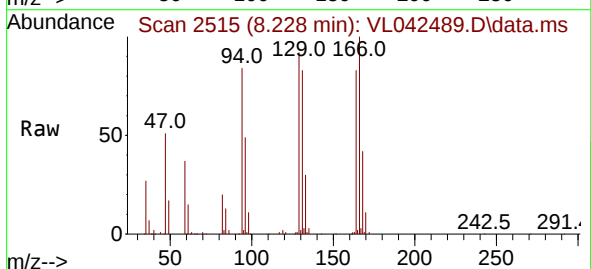
Manual Integrations
APPROVED

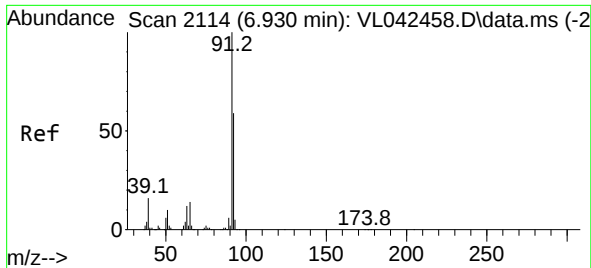
Reviewed By :Semsettin Yesilyurt 05/07/2025
Supervised By :Mahesh Dadoda 05/09/2025



#52
Tetrachloroethene
Concen: 9.074 ppbv
RT: 8.228 min Scan# 2515
Delta R.T. 0.004 min
Lab File: VL042489.D
Acq: 06 May 2025 10:44

Tgt Ion:164 Resp: 61852
Ion Ratio Lower Upper
164 100
166 119.7 91.6 137.4
129 110.7 79.0 118.4
131 99.4 77.6 116.4





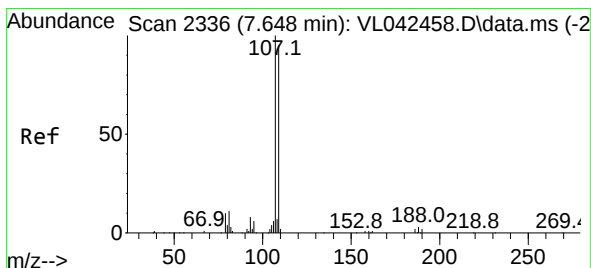
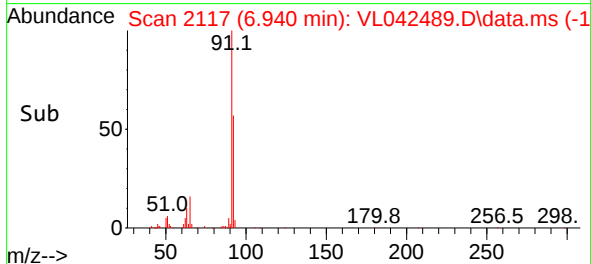
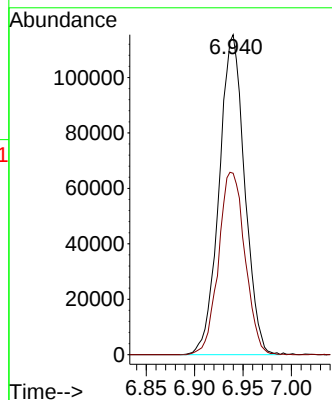
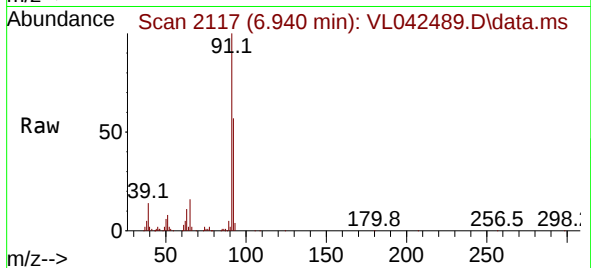
#53
Toluene
Concen: 11.159 ppbv
RT: 6.940 min Scan# 2114
Delta R.T. 0.010 min
Lab File: VL042489.D
Acq: 06 May 2025 10:44

Instrument :
MSVOA_L
ClientSampleId :
VL0506ABS01

Tgt Ion: 91 Resp: 211514
Ion Ratio Lower Upper
91 100
92 59.0 47.9 71.9

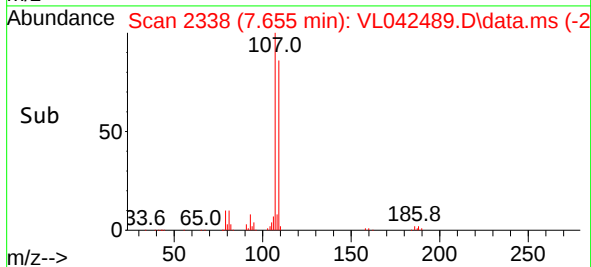
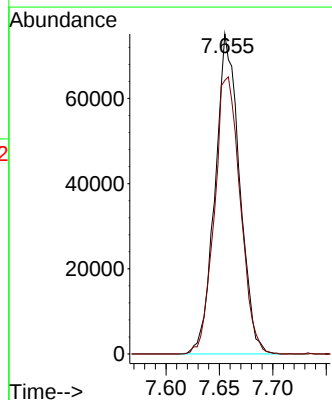
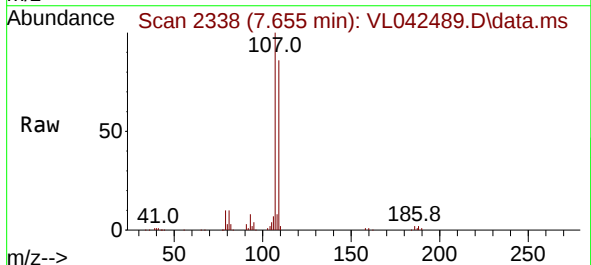
Manual Integrations
APPROVED

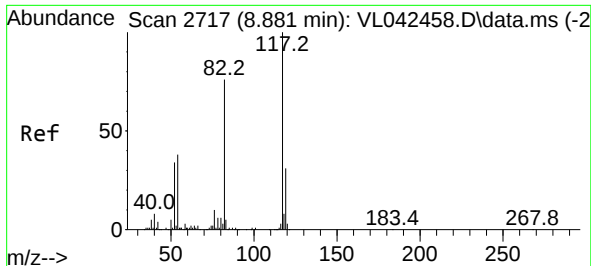
Reviewed By :Semsettin Yesilyurt 05/07/2025
Supervised By :Mahesh Dadoda 05/09/2025



#54
1,2-Dibromoethane
Concen: 10.656 ppbv
RT: 7.655 min Scan# 2338
Delta R.T. 0.007 min
Lab File: VL042489.D
Acq: 06 May 2025 10:44

Tgt Ion:107 Resp: 119785
Ion Ratio Lower Upper
107 100
109 85.5 76.0 114.0





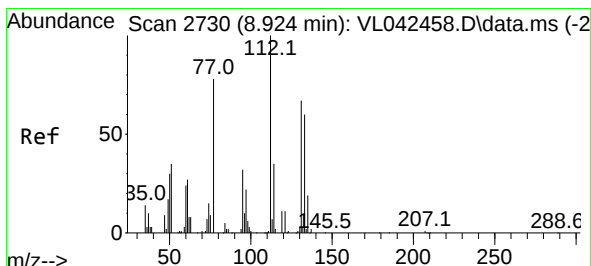
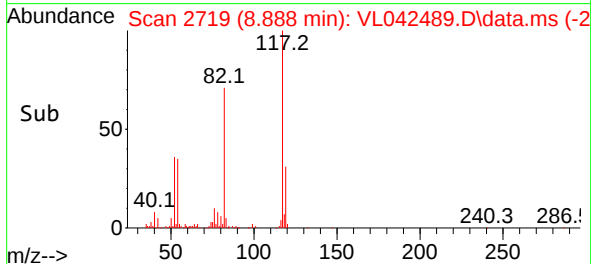
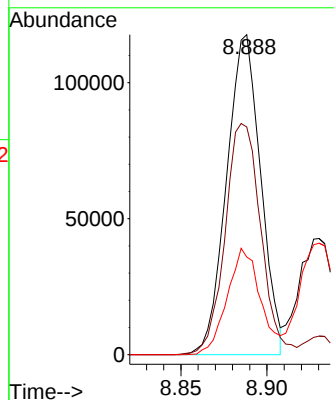
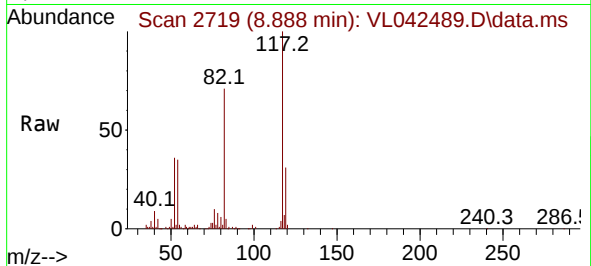
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.888 min Scan# 2717
Delta R.T. 0.007 min
Lab File: VL042489.D
Acq: 06 May 2025 10:44

Instrument :
MSVOA_L
ClientSampleId :
VL0506ABS01

Tgt Ion:117 Resp: 162170
Ion Ratio Lower Upper
117 100
82 80.4 63.5 95.3
119 33.4 25.8 38.8

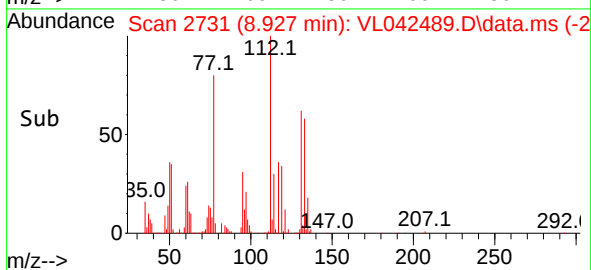
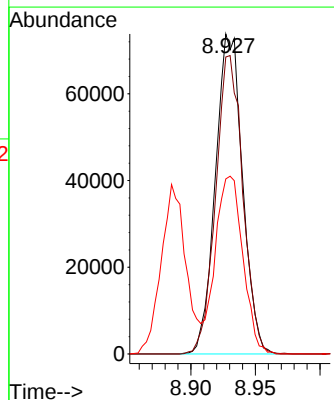
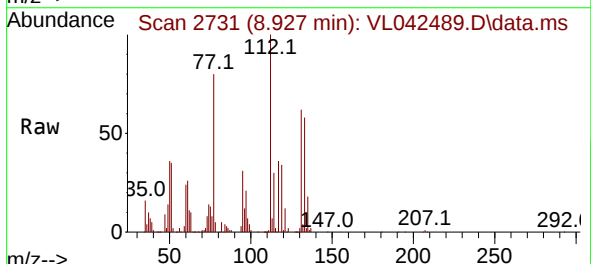
Manual Integrations
APPROVED

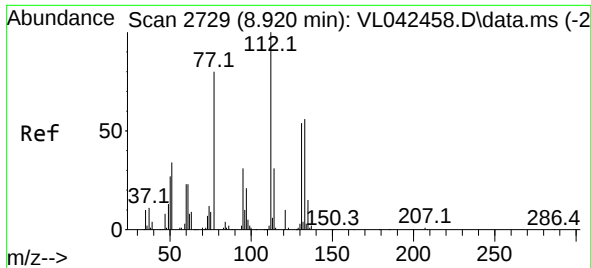
Reviewed By :Semsettin Yesilyurt 05/07/2025
Supervised By :Mahesh Dadoda 05/09/2025



#56
1,1,1,2-Tetrachloroethane
Concen: 11.256 ppbv
RT: 8.927 min Scan# 2731
Delta R.T. 0.004 min
Lab File: VL042489.D
Acq: 06 May 2025 10:44

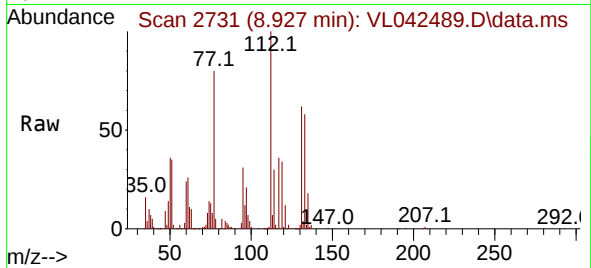
Tgt Ion:131 Resp: 107810
Ion Ratio Lower Upper
131 100
133 93.2 76.0 114.0
119 58.0 46.1 69.1





#57
Chlorobenzene
Concen: 10.444 ppbv
RT: 8.927 min Scan# 21
Delta R.T. 0.007 min
Lab File: VL042489.D
Acq: 06 May 2025 10:44

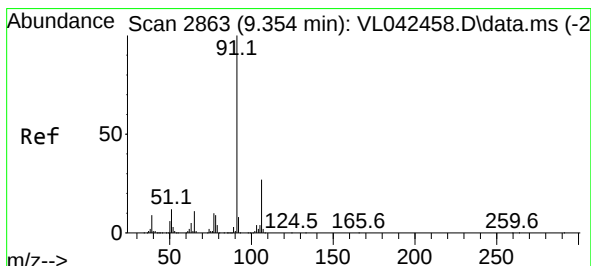
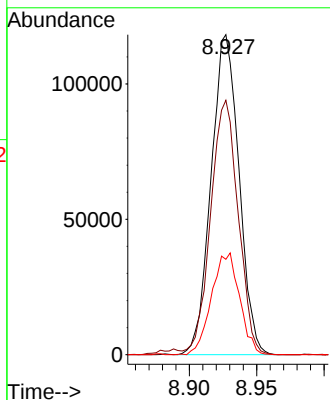
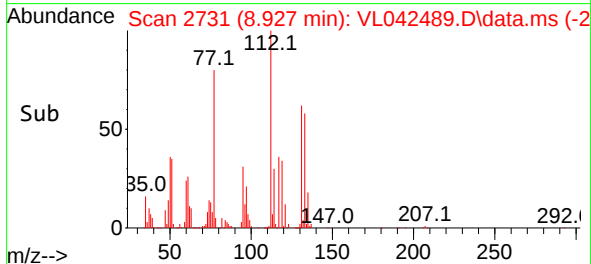
Instrument :
MSVOA_L
ClientSampleId :
VL0506ABS01



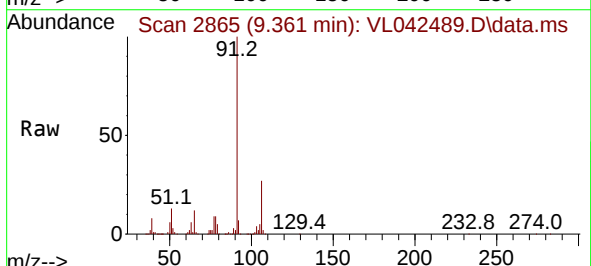
Tgt Ion:112 Resp: 170180
Ion Ratio Lower Upper
112 100
77 79.5 65.0 97.4
114 29.8 27.5 33.7

Manual Integrations
APPROVED

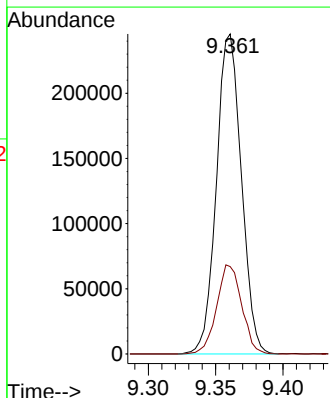
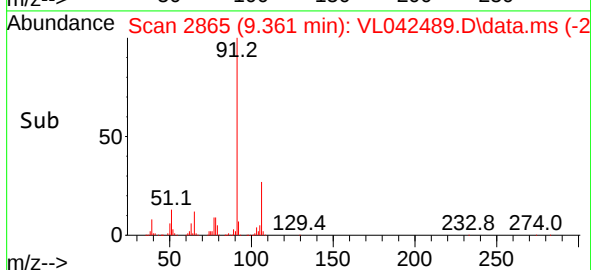
Reviewed By :Semsettin Yesilyurt 05/07/2025
Supervised By :Mahesh Dadoda 05/09/2025

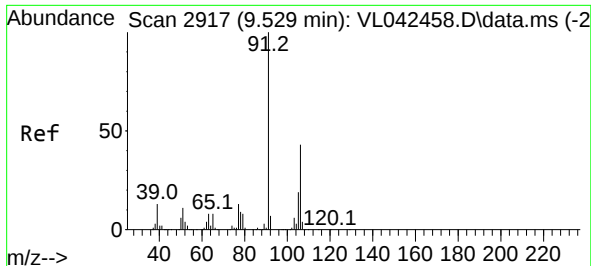


#58
Ethyl Benzene
Concen: 11.667 ppbv
RT: 9.361 min Scan# 2865
Delta R.T. 0.007 min
Lab File: VL042489.D
Acq: 06 May 2025 10:44



Tgt Ion: 91 Resp: 316187
Ion Ratio Lower Upper
91 100
106 27.3 21.9 32.9





#59

m/p-Xylene

Concen: 24.069 ppbv m

RT: 9.555 min Scan# 2917

Delta R.T. 0.026 min

Lab File: VL042489.D

Acq: 06 May 2025 10:44

Instrument :

MSVOA_L

ClientSampleId :

VL0506ABS01

Tgt Ion: 91 Resp: 54687

Ion Ratio Lower Upper

91 100

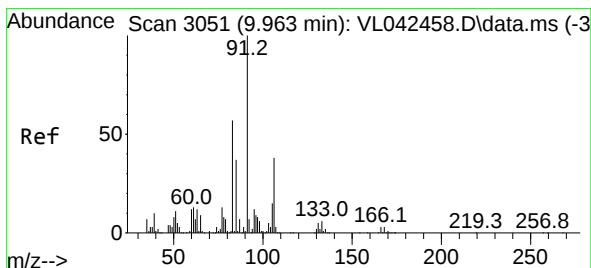
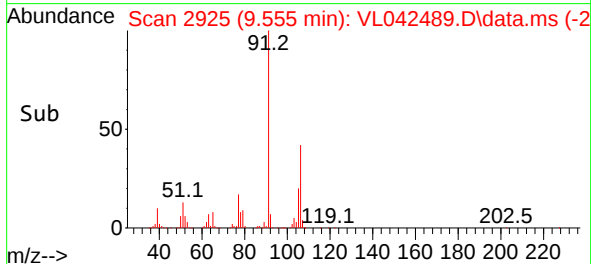
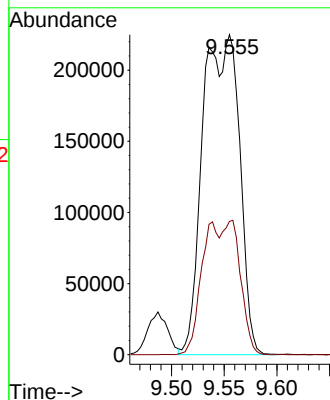
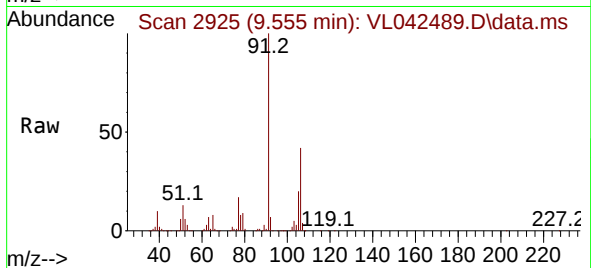
106 0.0 34.2 51.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/07/2025

Supervised By :Mahesh Dadoda 05/09/2025



#60

o-Xylene

Concen: 12.114 ppbv

RT: 9.966 min Scan# 3052

Delta R.T. 0.004 min

Lab File: VL042489.D

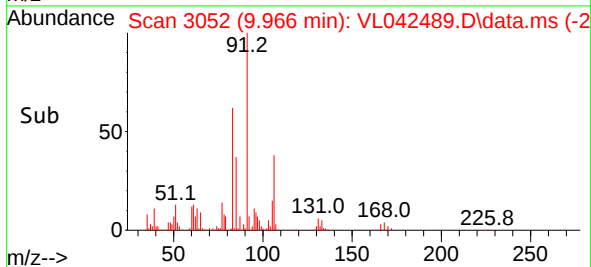
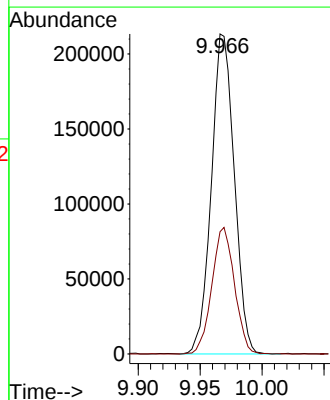
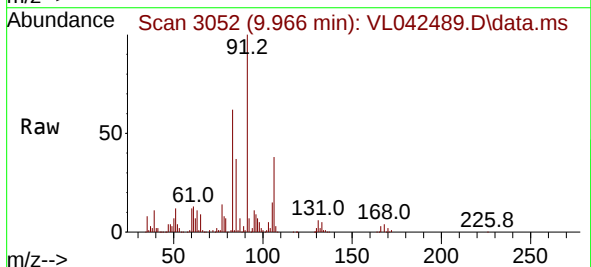
Acq: 06 May 2025 10:44

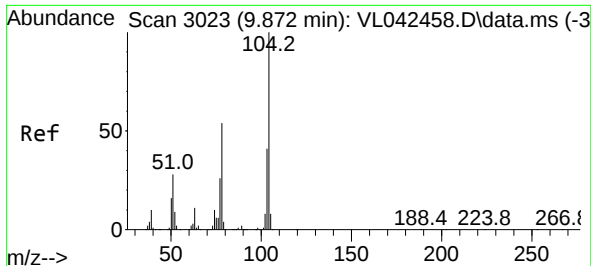
Tgt Ion: 91 Resp: 275574

Ion Ratio Lower Upper

91 100

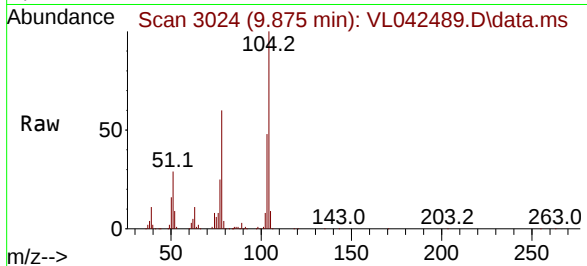
106 38.9 20.1 60.2





#61
Styrene
Concen: 11.891 ppbv
RT: 9.875 min Scan# 3023
Delta R.T. 0.004 min
Lab File: VL042489.D
Acq: 06 May 2025 10:44

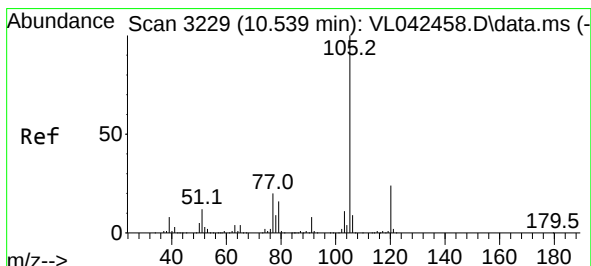
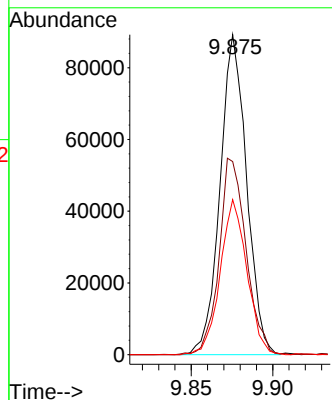
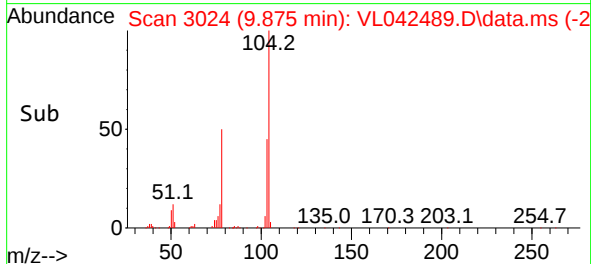
Instrument :
MSVOA_L
ClientSampleId :
VL0506ABS01



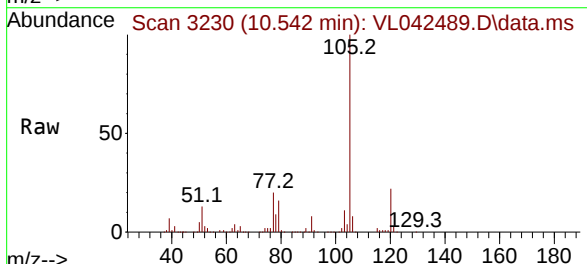
Tgt Ion:104 Resp: 100944
Ion Ratio Lower Upper
104 100
78 62.5 46.9 70.3
103 48.9 36.6 55.0

Manual Integrations
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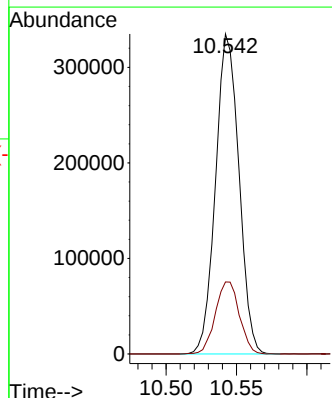
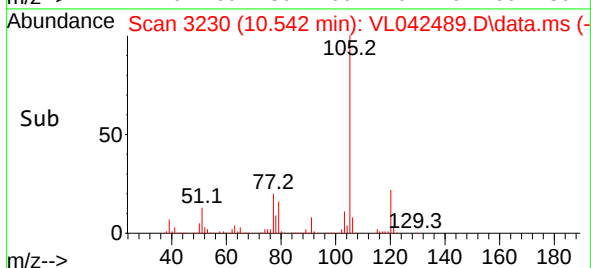
Reviewed By :Semsettin Yesilyurt 05/07/2025
Supervised By :Mahesh Dadoda 05/09/2025

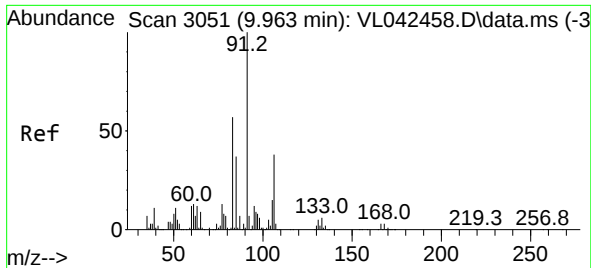


#62
Isopropylbenzene
Concen: 11.786 ppbv
RT: 10.542 min Scan# 3230
Delta R.T. 0.004 min
Lab File: VL042489.D
Acq: 06 May 2025 10:44



Tgt Ion:105 Resp: 386743
Ion Ratio Lower Upper
105 100
120 23.1 18.8 28.2





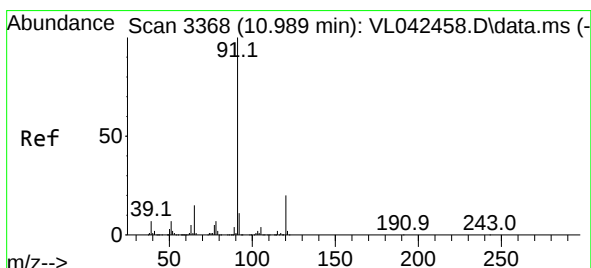
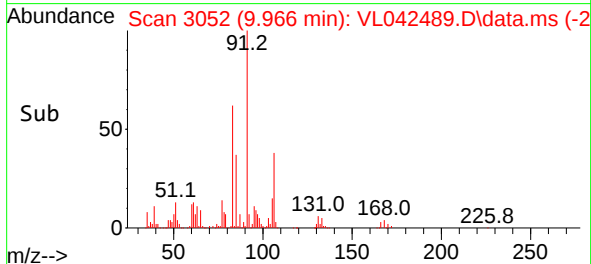
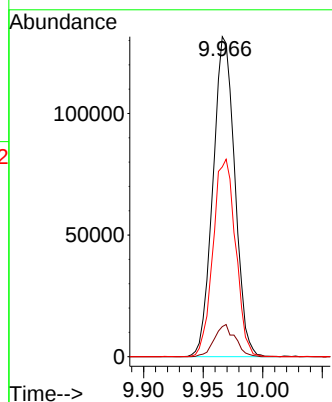
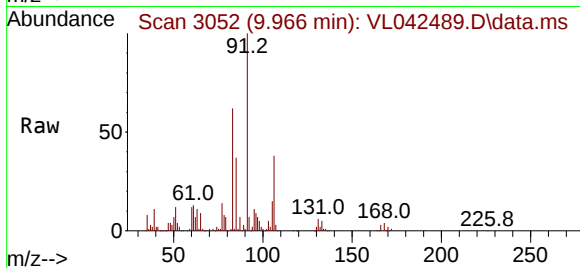
#63
1,1,2,2-Tetrachloroethane
Concen: 10.722 ppbv
RT: 9.966 min Scan# 3051
Delta R.T. 0.004 min
Lab File: VL042489.D
Acq: 06 May 2025 10:44

Instrument :
MSVOA_L
ClientSampleId :
VL0506ABS01

Tgt Ion: 83 Resp: 16815
Ion Ratio Lower Upper
83 100
131 9.5 4.7 14.1
85 63.7 32.5 97.4

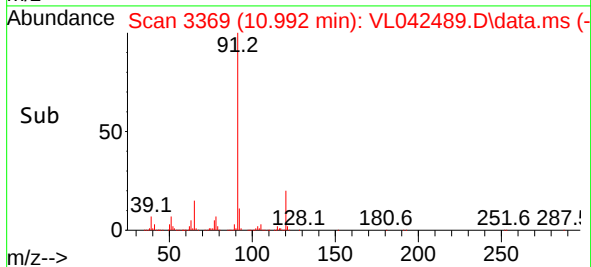
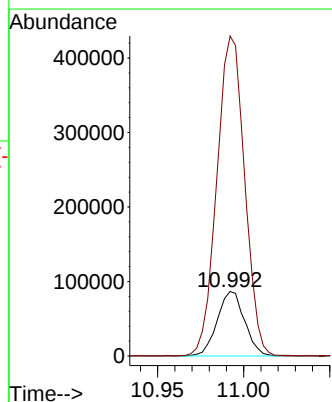
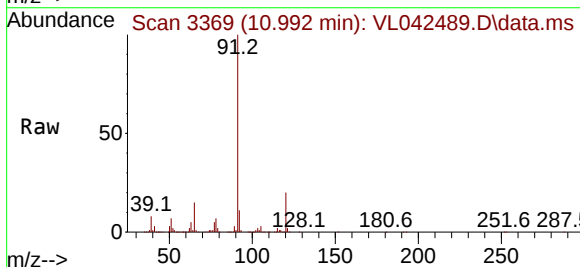
Manual Integrations
APPROVED

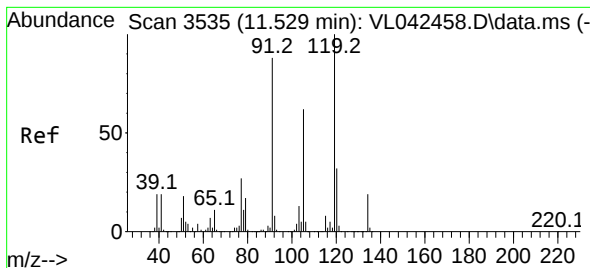
Reviewed By :Semsettin Yesilyurt 05/07/2025
Supervised By :Mahesh Dadoda 05/09/2025



#64
n-propylbenzene
Concen: 11.906 ppbv
RT: 10.992 min Scan# 3369
Delta R.T. 0.004 min
Lab File: VL042489.D
Acq: 06 May 2025 10:44

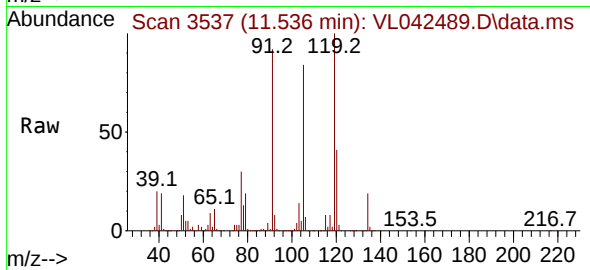
Tgt Ion:120 Resp: 95485
Ion Ratio Lower Upper
120 100
91 506.2 408.6 612.8





#65
tert-Butylbenzene
Concen: 11.872 ppbv
RT: 11.536 min Scan# 3537
Delta R.T. 0.007 min
Lab File: VL042489.D
Acq: 06 May 2025 10:44

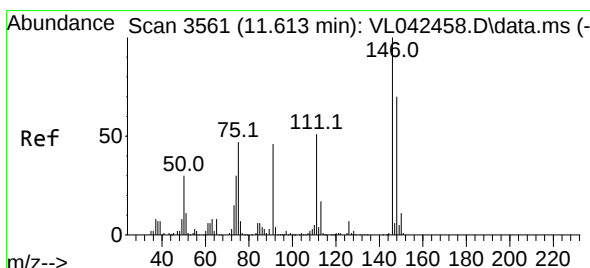
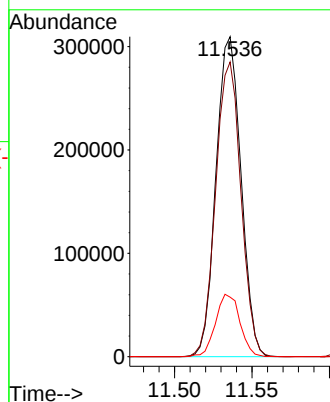
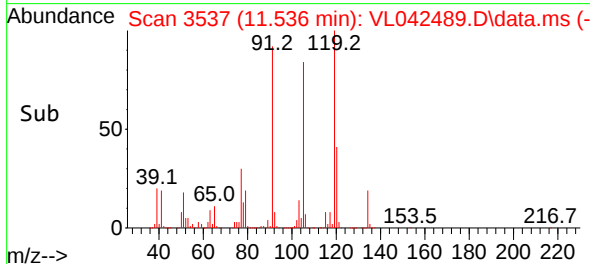
Instrument :
MSVOA_L
ClientSampleId :
VL0506ABS01



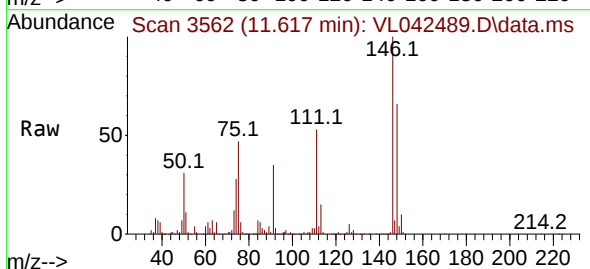
Tgt Ion: 119 Resp: 34766
Ion Ratio Lower Upper
119 100
91 93.2 71.6 107.4
134 19.0 15.0 22.4

Manual Integrations
APPROVED

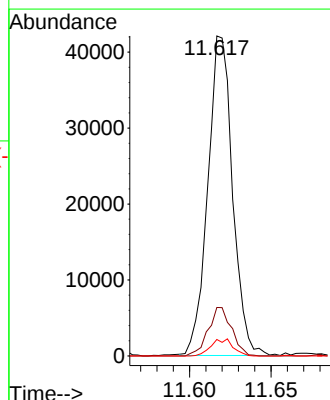
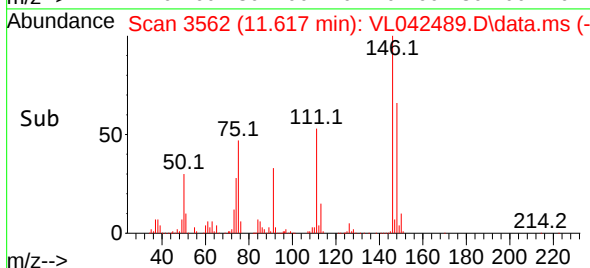
Reviewed By :Semsettin Yesilyurt 05/07/2025
Supervised By :Mahesh Dadoda 05/09/2025

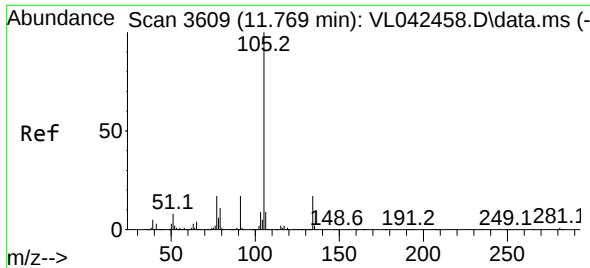


#66
Benzyl Chloride
Concen: 13.121 ppbv
RT: 11.617 min Scan# 3562
Delta R.T. 0.004 min
Lab File: VL042489.D
Acq: 06 May 2025 10:44



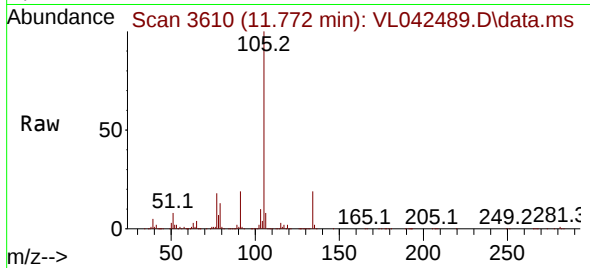
Tgt Ion: 91 Resp: 44409
Ion Ratio Lower Upper
91 100
126 14.3 13.3 19.9
128 4.8 4.2 6.4





#67
 sec-Butylbenzene
 Concen: 12.031 ppbv
 RT: 11.772 min Scan# 3610
 Delta R.T. 0.004 min
 Lab File: VL042489.D
 Acq: 06 May 2025 10:44

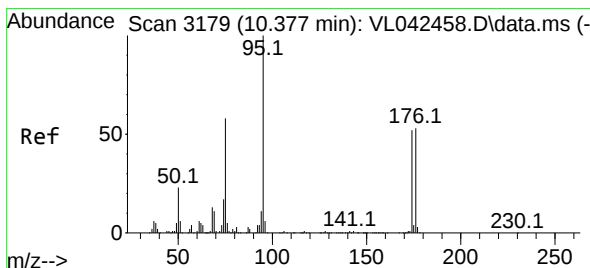
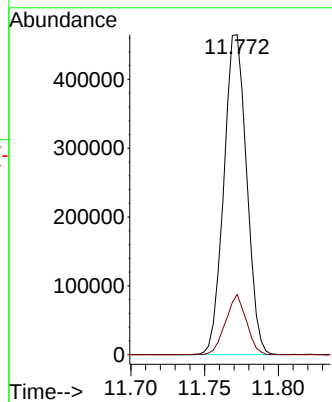
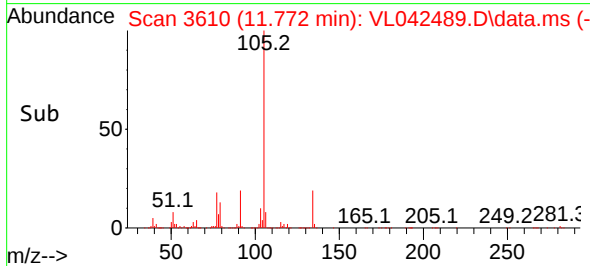
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0506ABS01



Tgt Ion:105 Resp: 500648
 Ion Ratio Lower Upper
 105 100
 134 17.2 14.1 21.1

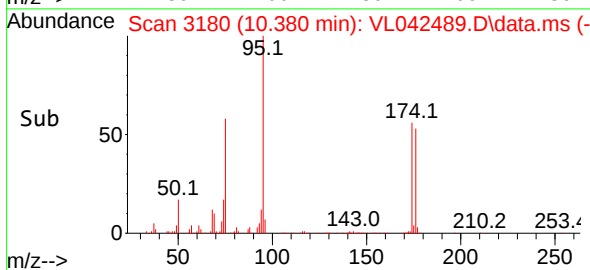
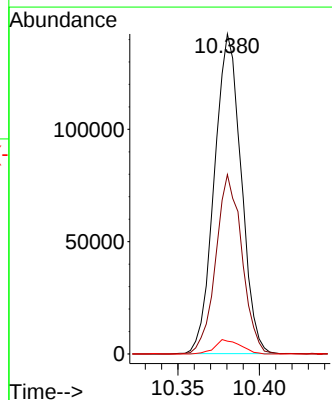
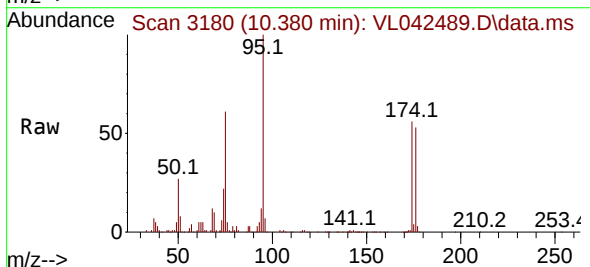
Manual Integrations
 APPROVED

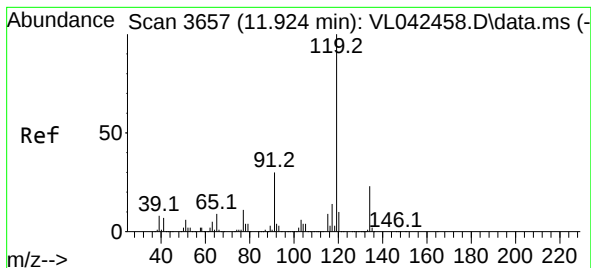
Reviewed By :Semsettin Yesilyurt 05/07/2025
 Supervised By :Mahesh Dadoda 05/09/2025



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.797 ppbv
 RT: 10.380 min Scan# 3180
 Delta R.T. 0.004 min
 Lab File: VL042489.D
 Acq: 06 May 2025 10:44

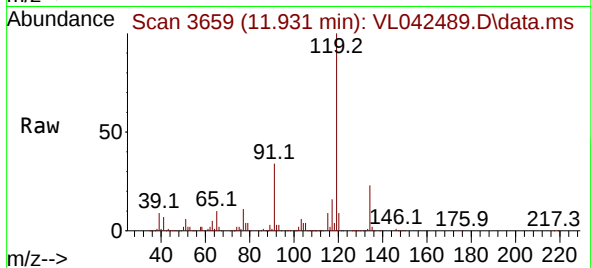
Tgt Ion: 95 Resp: 162347
 Ion Ratio Lower Upper
 95 100
 174 54.9 42.7 64.1
 175 4.3 3.6 5.4





#69
p-Isopropyltoluene
Concen: 11.927 ppbv
RT: 11.931 min Scan# 3659
Delta R.T. 0.007 min
Lab File: VL042489.D
Acq: 06 May 2025 10:44

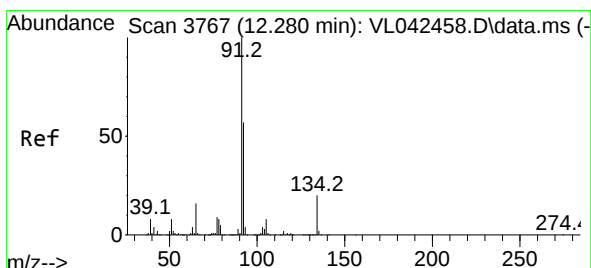
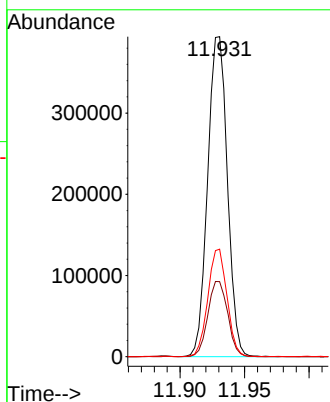
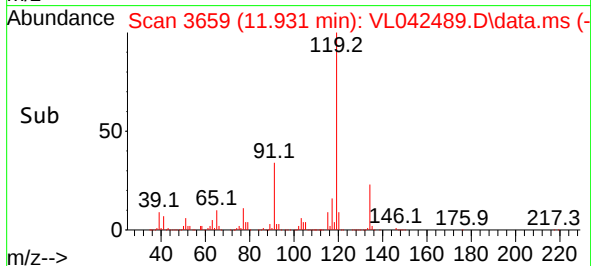
Instrument :
MSVOA_L
ClientSampleId :
VL0506ABS01



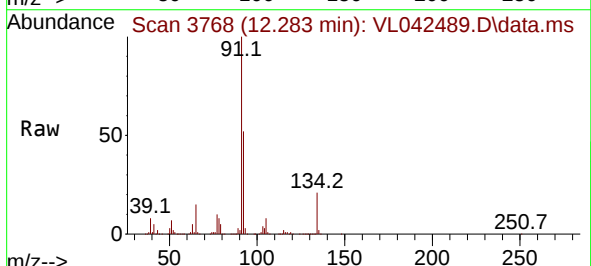
Tgt Ion: 119 Resp: 418184
Ion Ratio Lower Upper
119 100
134 23.7 19.0 28.4
91 32.9 25.5 38.3

Manual Integrations
APPROVED

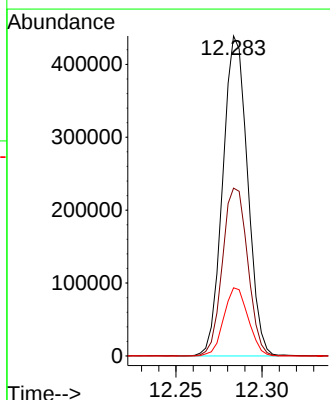
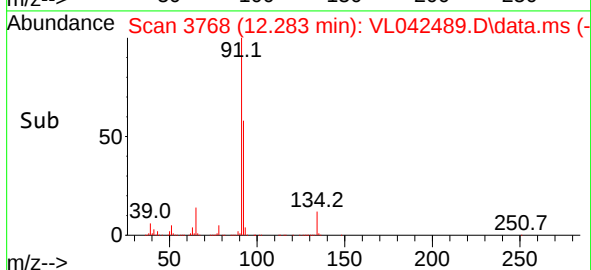
Reviewed By :Semsettin Yesilyurt 05/07/2025
Supervised By :Mahesh Dadoda 05/09/2025

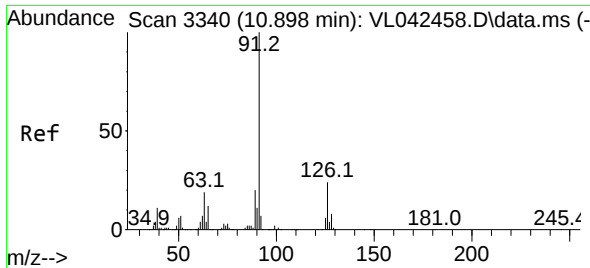


#70
n-Butylbenzene
Concen: 12.133 ppbv
RT: 12.283 min Scan# 3768
Delta R.T. 0.004 min
Lab File: VL042489.D
Acq: 06 May 2025 10:44



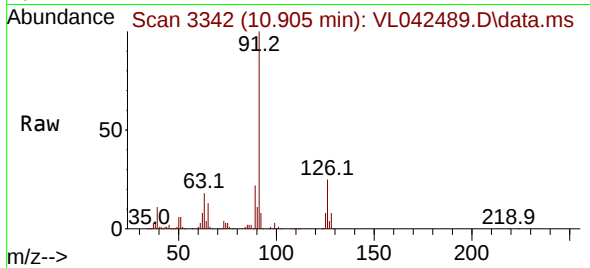
Tgt Ion: 91 Resp: 439757
Ion Ratio Lower Upper
91 100
92 53.7 44.0 66.0
134 21.0 16.8 25.2





#71
2-Chlorotoluene
Concen: 11.836 ppbv
RT: 10.905 min Scan# 31
Delta R.T. 0.007 min
Lab File: VL042489.D
Acq: 06 May 2025 10:44

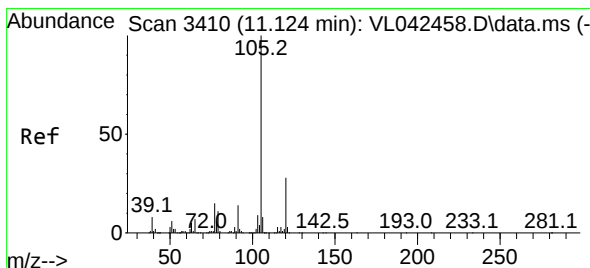
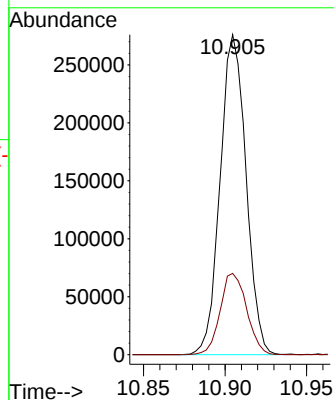
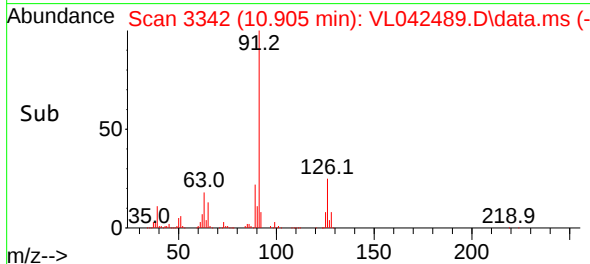
Instrument :
MSVOA_L
ClientSampleId :
VL0506ABS01



Tgt Ion: 91 Resp: 30463
Ion Ratio Lower Upper
91 100
126 26.0 10.6 42.2

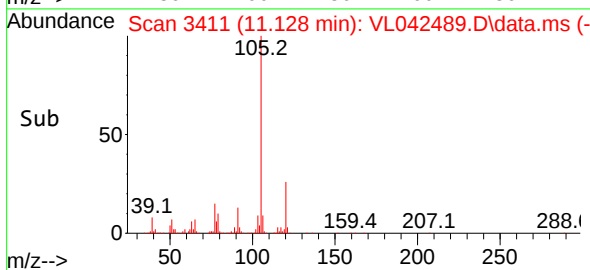
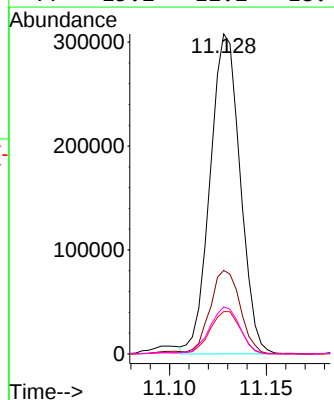
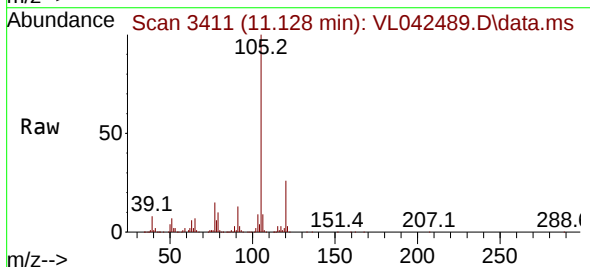
Manual Integrations
APPROVED

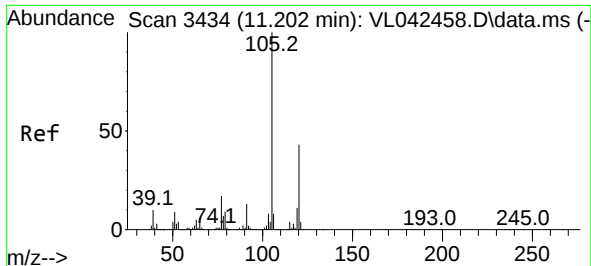
Reviewed By :Semsettin Yesilyurt 05/07/2025
Supervised By :Mahesh Dadoda 05/09/2025



#72
4-Ethyltoluene
Concen: 12.388 ppbv
RT: 11.128 min Scan# 3411
Delta R.T. 0.004 min
Lab File: VL042489.D
Acq: 06 May 2025 10:44

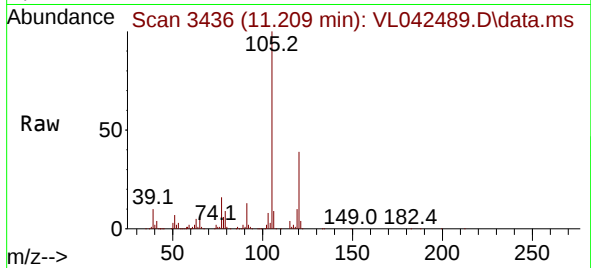
Tgt Ion:105 Resp: 332254
Ion Ratio Lower Upper
105 100
120 27.1 22.0 33.0
91 13.9 11.2 16.8
77 15.2 12.2 18.4





#73
1,3,5-Trimethylbenzene
Concen: 12.082 ppbv
RT: 11.209 min Scan# 3434
Delta R.T. 0.007 min
Lab File: VL042489.D
Acq: 06 May 2025 10:44

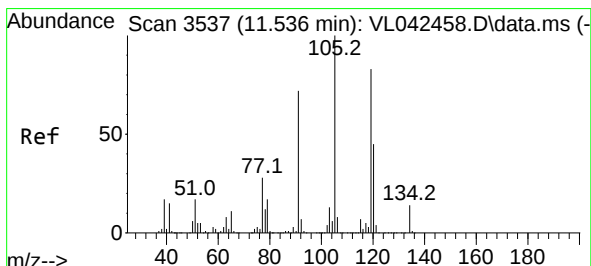
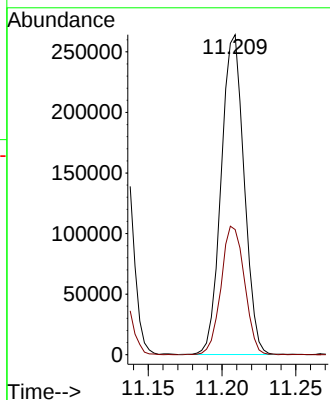
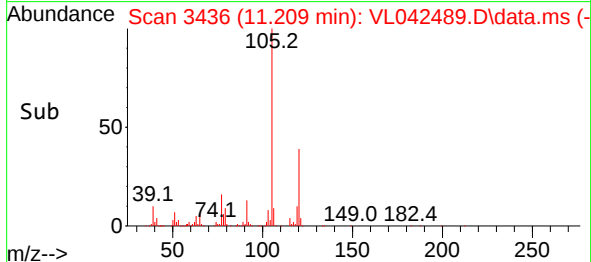
Instrument :
MSVOA_L
ClientSampleId :
VL0506ABS01



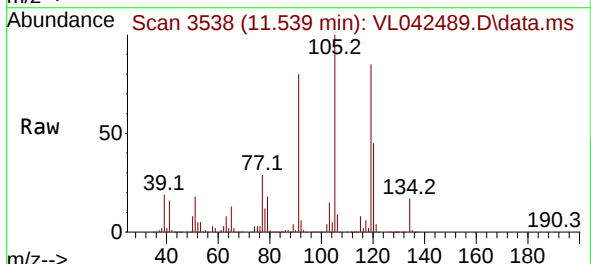
Tgt Ion:105 Resp: 28500
Ion Ratio Lower Upper
105 100
120 39.1 34.4 51.6

Manual Integrations
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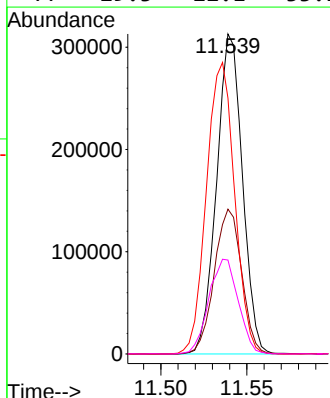
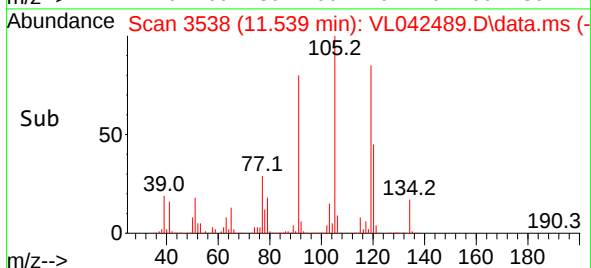
Reviewed By :Semsettin Yesilyurt 05/07/2025
Supervised By :Mahesh Dadoda 05/09/2025

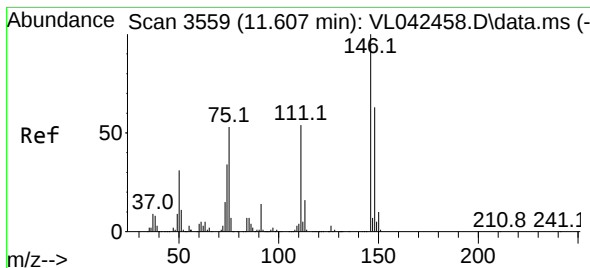


#74
1,2,4-Trimethylbenzene
Concen: 11.457 ppbv
RT: 11.539 min Scan# 3538
Delta R.T. 0.004 min
Lab File: VL042489.D
Acq: 06 May 2025 10:44



Tgt Ion:105 Resp: 326996
Ion Ratio Lower Upper
105 100
120 45.3 36.1 54.1
91 79.9 57.6 86.4
77 29.3 22.1 33.1





#75

1,3-Dichlorobenzene

Concen: 11.089 ppbv

RT: 11.610 min Scan# 3559

Delta R.T. 0.004 min

Lab File: VL042489.D

Acq: 06 May 2025 10:44

Instrument :

MSVOA_L

ClientSampleId :

VL0506ABS01

Tgt Ion:146 Resp: 17619

Ion Ratio Lower Upper

146 100

111 53.6 26.1 78.3

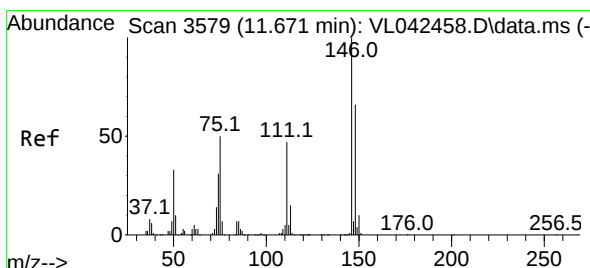
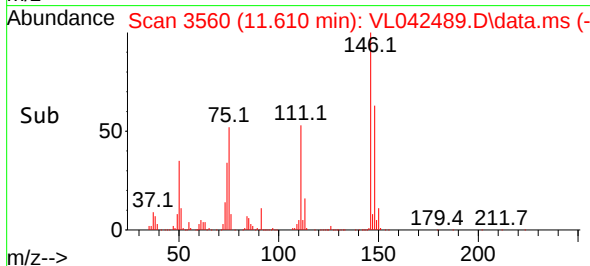
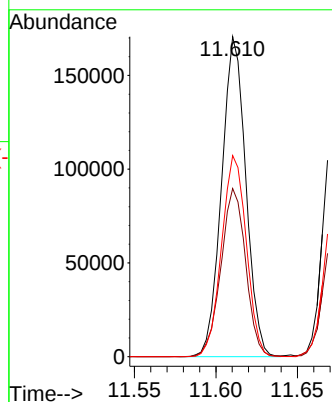
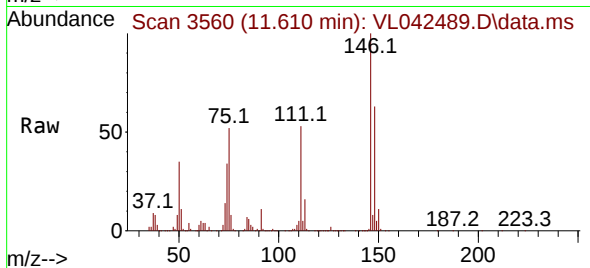
148 64.1 32.0 96.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/07/2025

Supervised By :Mahesh Dadoda 05/09/2025



#76

1,4-Dichlorobenzene

Concen: 11.543 ppbv

RT: 11.675 min Scan# 3580

Delta R.T. 0.004 min

Lab File: VL042489.D

Acq: 06 May 2025 10:44

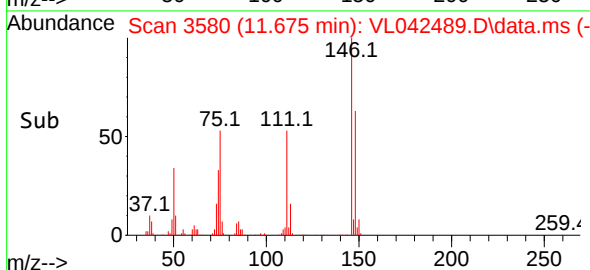
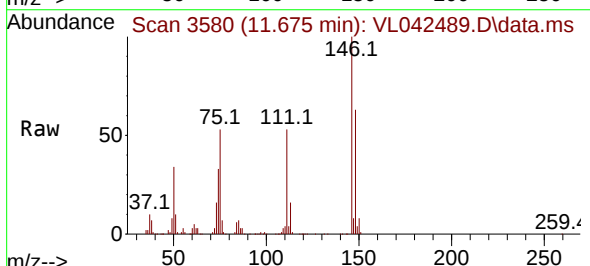
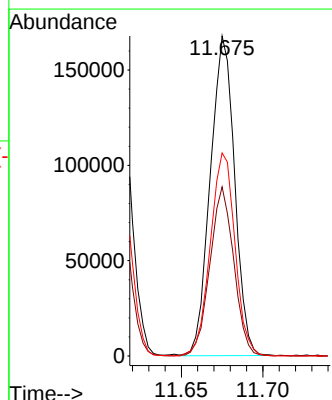
Tgt Ion:146 Resp: 173576

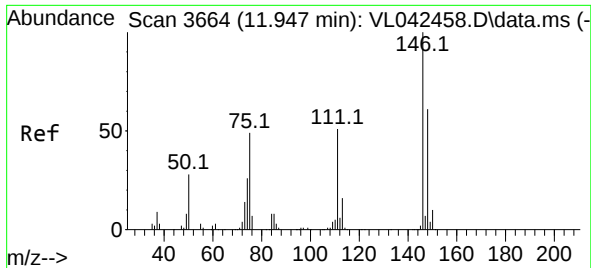
Ion Ratio Lower Upper

146 100

111 52.1 24.4 73.2

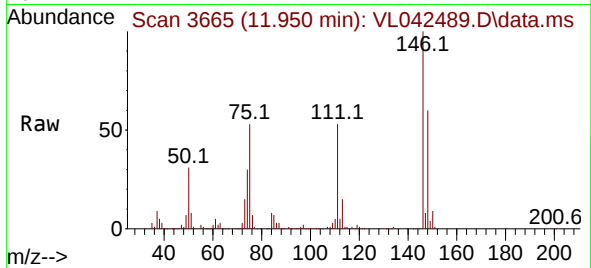
148 64.6 32.0 96.2





#77
1,2-Dichlorobenzene
Concen: 11.003 ppbv
RT: 11.950 min Scan# 3665
Delta R.T. 0.004 min
Lab File: VL042489.D
Acq: 06 May 2025 10:44

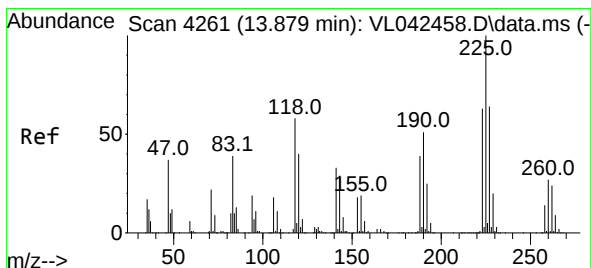
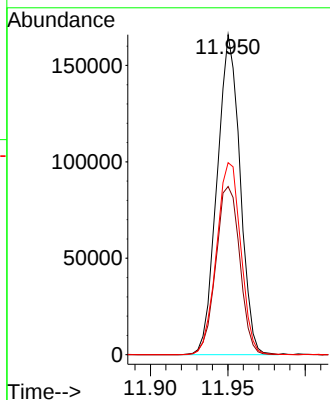
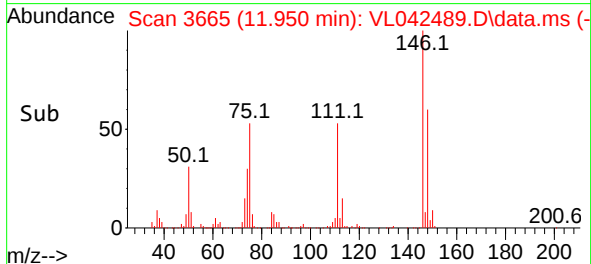
Instrument :
MSVOA_L
ClientSampleId :
VL0506ABS01



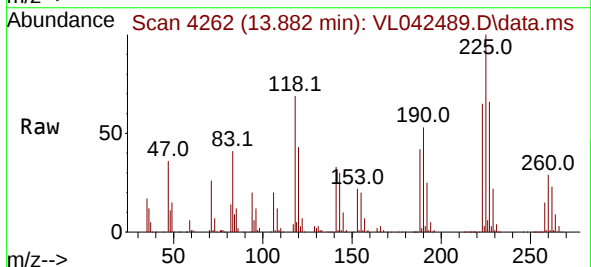
Tgt Ion:146 Resp: 17112
Ion Ratio Lower Upper
146 100
111 54.9 26.5 79.5
148 63.3 31.5 94.5

Manual Integrations
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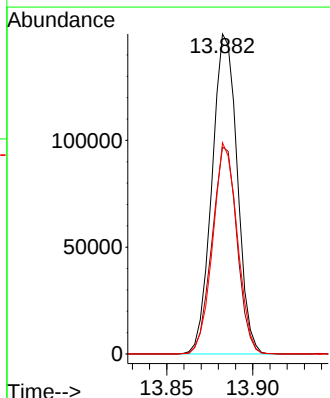
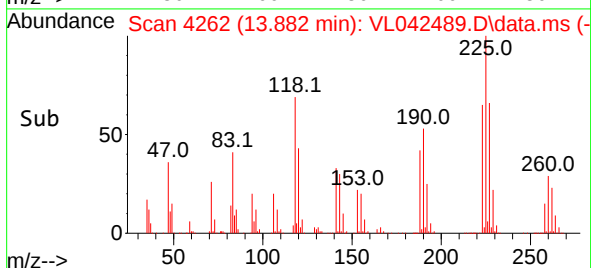
Reviewed By :Semsettin Yesilyurt 05/07/2025
Supervised By :Mahesh Dadoda 05/09/2025

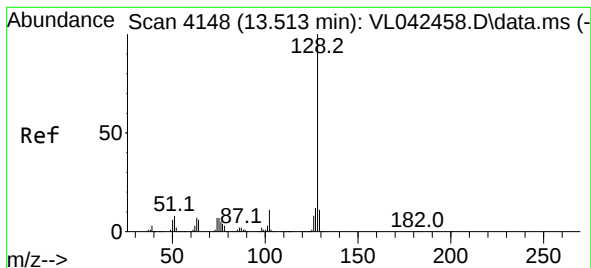


#78
Hexachloro-1,3-Butadiene
Concen: 9.854 ppbv
RT: 13.882 min Scan# 4262
Delta R.T. 0.004 min
Lab File: VL042489.D
Acq: 06 May 2025 10:44



Tgt Ion:225 Resp: 153031
Ion Ratio Lower Upper
225 100
223 64.0 50.2 75.4
227 63.9 51.2 76.8





#79

Naphthalene

Concen: 12.036 ppbv

RT: 13.517 min Scan# 4148

Delta R.T. 0.004 min

Lab File: VL042489.D

Acq: 06 May 2025 10:44

Instrument :

MSVOA_L

ClientSampleId :

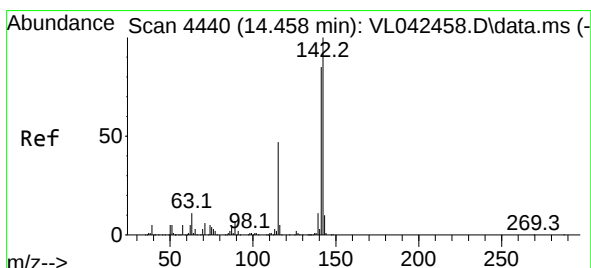
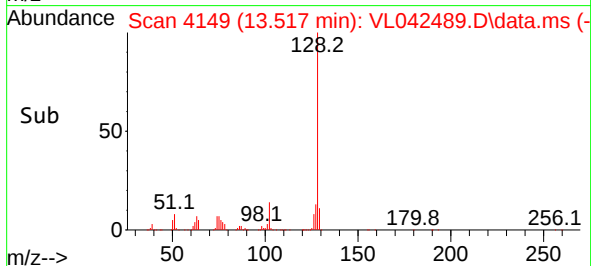
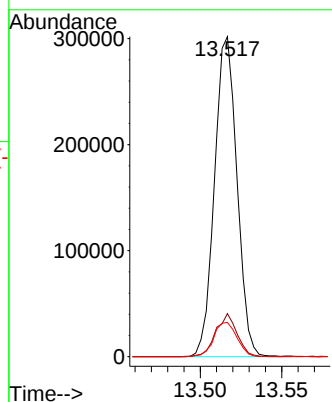
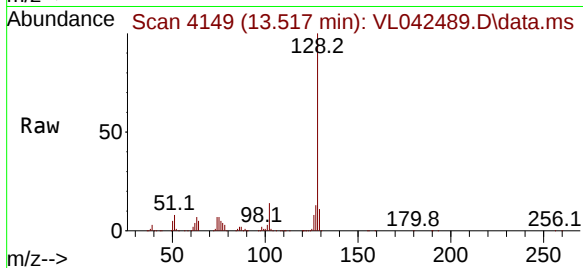
VL0506ABS01

Tgt Ion:	128	Resp:	28917
Ion Ratio	Lower	Upper	
128	100		
127	13.4	9.7	14.5
129	10.7	8.6	13.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/07/2025
Supervised By :Mahesh Dadoda 05/09/2025



#80

Naphthalene,2-methyl-

Concen: 13.257 ppbv

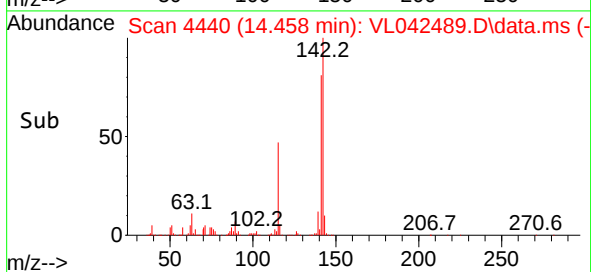
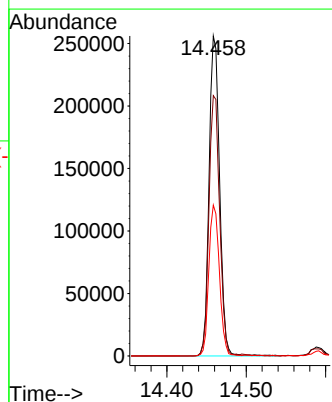
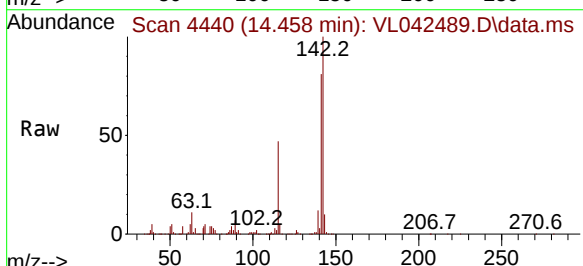
RT: 14.458 min Scan# 4440

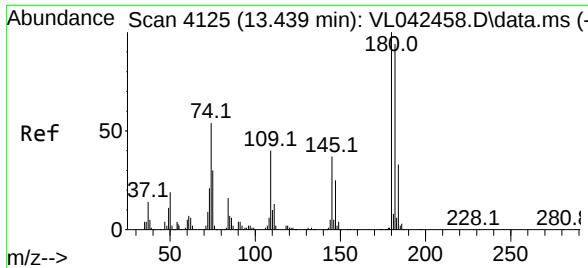
Delta R.T. 0.000 min

Lab File: VL042489.D

Acq: 06 May 2025 10:44

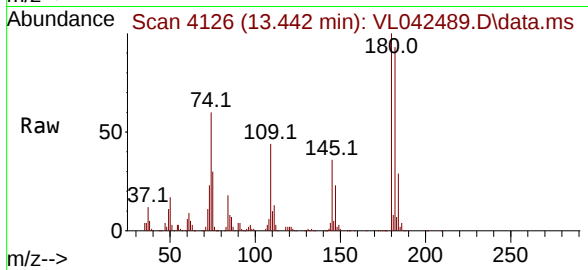
Tgt Ion:	142	Resp:	236741
Ion Ratio	Lower	Upper	
142	100		
141	83.4	67.4	101.0
115	47.8	36.9	55.3





#81
 1,2,4-Trichlorobenzene
 Concen: 11.096 ppbv
 RT: 13.442 min Scan# 41
 Delta R.T. 0.004 min
 Lab File: VL042489.D
 Acq: 06 May 2025 10:44

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0506ABS01



Tgt Ion:180 Resp: 142190
 Ion Ratio Lower Upper
 180 100
 182 95.8 74.6 111.8
 184 31.5 24.9 37.3

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 05/07/2025
 Supervised By :Mahesh Dadoda 05/09/2025

