

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022725\
 Data File : VL042068.D
 Acq On : 27 Feb 2025 11:25
 Operator : SY/MD
 Sample : VL0227ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0227ABS01

Quant Time: Feb 28 00:23:38 2025

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

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

QLast Update : Wed Feb 26 01:08:36 2025

Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 02/28/2025
 Supervised By : Mahesh Dadoda 02/28/2025

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

Internal Standards						
1) Bromochloromethane	2.806	49	165316	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.988	114	376713	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.911	117	334241	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.399 95 264206 10.275 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 102.700%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.505	85	170672	9.928	ppbv	99
3) Chlorodifluoromethane	1.482	51	229434	9.549	ppbv	100
4) Chloromethane	1.541	50	60990	9.594	ppbv	100
5) Vinyl Chloride	1.589	62	58888	9.793	ppbv	98
6) Bromomethane	1.677	94	28906	10.095	ppbv	94
7) Chloroethane	1.712	64	23753	9.722	ppbv	93
8) Dichlorotetrafluoroethane	1.563	85	139528	9.873	ppbv	99
9) Propene	1.492	41	92485	9.449	ppbv	99
10) Heptane	5.017	43	283782	9.311	ppbv	97
11) Trichlorofluoromethane	1.887	101	177082	10.281	ppbv	100
12) 1,1,2-Trichlorotrifluo...	2.152	101	127217	9.259	ppbv	97
13) Ethanol	1.732	45	3431	5.522	ppbv	91
14) Bromoethene	1.793	108	48197	9.933	ppbv	99
15) Acetone	1.845	43	131627	9.016	ppbv	100
16) 1,3-Butadiene	1.618	39	63625	9.365	ppbv	99
17) tert-Butyl alcohol	2.052	59	156140	8.548	ppbv	98
18) 1,1-Dichloroethene	2.046	96	56620	9.120	ppbv	94
19) Isopropyl Alcohol	1.897	45	73339	8.745	ppbv	96
20) Methylene Chloride	2.075	84	47852	8.665	ppbv	90
21) Allyl Chloride	2.107	41	95455	9.049	ppbv	99
22) trans-1,2-Dichloroethene	2.356	96	64221	8.873	ppbv	93
23) Vinyl Acetate	2.479	43	92926	9.052	ppbv	99
24) 1,1-Dichloroethane	2.424	63	119840	8.899	ppbv	99
25) Ethyl Acetate	2.855	43	558049	9.550	ppbv	99
26) Hexane	2.845	57	217289	9.198	ppbv	96
27) Carbon Disulfide	2.162	76	150739	9.413	ppbv	99
28) Methyl tert-Butyl Ether	2.460	73	105298	8.953	ppbv	99
29) Chloroform	2.868	83	288962	9.088	ppbv	96
30) Cyclohexane	3.884	84	168184	8.771	ppbv	93
31) cis-1,2-Dichloroethene	2.738	61	206470	9.232	ppbv	96
32) 1,1,1-Trichloroethane	3.392	97	278241	9.021	ppbv	96
34) 2-Butanone	2.576	43	324037	11.041	ppbv	95
35) Carbon Tetrachloride	3.787	117	278142	10.707	ppbv	98
36) Benzene	3.683	78	400607	10.158	ppbv	98
37) 1,2-Dichloroethane	3.240	62	233998	10.702	ppbv	98
38) Trichloroethene	4.583	130	152975	9.500	ppbv	93
39) 1,2-Dichloropropane	4.347	63	154331	10.310	ppbv	98
40) 1,4-Dioxane	4.619	88	64907	9.499	ppbv #	94
41) Tetrahydrofuran	3.078	42	188776	10.886	ppbv	95
42) Bromodichloromethane	4.522	83	311726	10.582	ppbv	96
43) Methyl Methacrylate	4.917	69	159170	10.335	ppbv	92
44) 2,2,4-Trimethylpentane	4.677	57	726970	10.445	ppbv	98
45) t-1,3-Dichloropropene	6.457	75	148784	9.724	ppbv	97

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 MSVOA_L
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Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 02/28/2025
 Supervised By :Mahesh Dadoda 02/28/2025

Quant Time: Feb 28 00:23:38 2025

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

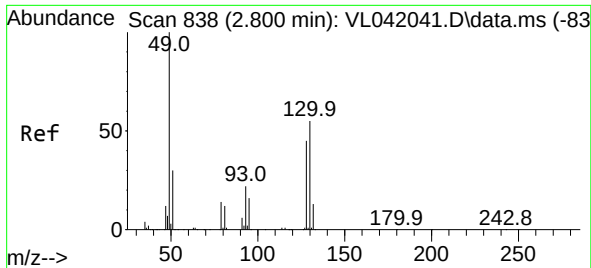
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Wed Feb 26 01:08:36 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.645	75	197788	9.989	ppbv	98
47) 1,1,2-Trichloroethane	6.625	97	151230	9.952	ppbv	98
48) Dibromochloromethane	7.422	129	241737	10.157	ppbv	100
49) Bromoform	9.509	173	208752	10.100	ppbv	99
50) 4-Methyl-2-Pentanone	5.800	43	448045	11.804	ppbv	95
51) 2-Hexanone	7.473	43	363250	13.905	ppbv #	96
52) Tetrachloroethene	8.257	164	131063	9.708	ppbv	98
53) Toluene	6.972	91	439197	9.965	ppbv	99
54) 1,2-Dibromoethane	7.687	107	201354	9.801	ppbv	91
56) 1,1,1,2-Tetrachloroethane	8.953	131	185028	9.794	ppbv	99
57) Chlorobenzene	8.949	112	336164	9.700	ppbv	98
58) Ethyl Benzene	9.380	91	612879	9.957	ppbv	100
59) m/p-Xylene	9.577	91	986159m	20.132	ppbv	
60) o-Xylene	9.988	91	495449	10.061	ppbv	99
61) Styrene	9.898	104	233127	10.069	ppbv	99
62) Isopropylbenzene	10.564	105	732584	9.933	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.988	83	321036	9.899	ppbv	100
64) n-propylbenzene	11.011	120	191865	9.918	ppbv	96
65) tert-Butylbenzene	11.552	119	652374	9.719	ppbv	99
66) Benzyl Chloride	11.639	91	42928	8.381	ppbv	99
67) sec-Butylbenzene	11.788	105	942757	9.821	ppbv	100
69) p-Isopropyltoluene	11.947	119	770654	10.091	ppbv	99
70) n-Butylbenzene	12.303	91	794021	10.185	ppbv	99
71) 2-Chlorotoluene	10.924	91	551772	9.705	ppbv	100
72) 4-Ethyltoluene	11.147	105	595865	9.910	ppbv	99
73) 1,3,5-Trimethylbenzene	11.225	105	506813	9.717	ppbv	99
74) 1,2,4-Trimethylbenzene	11.558	105	554973	9.450	ppbv	94
75) 1,3-Dichlorobenzene	11.629	146	327628	9.693	ppbv	98
76) 1,4-Dichlorobenzene	11.694	146	325333	9.694	ppbv	99
77) 1,2-Dichlorobenzene	11.969	146	319258	9.733	ppbv	98
78) Hexachloro-1,3-Butadiene	13.901	225	235707	9.235	ppbv	99
79) Naphthalene	13.532	128	510280	12.671	ppbv	98
80) Naphthalene,2-methyl-	14.478	142	195167	17.710	ppbv	99
81) 1,2,4-Trichlorobenzene	13.458	180	228692	10.190	ppbv	97

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



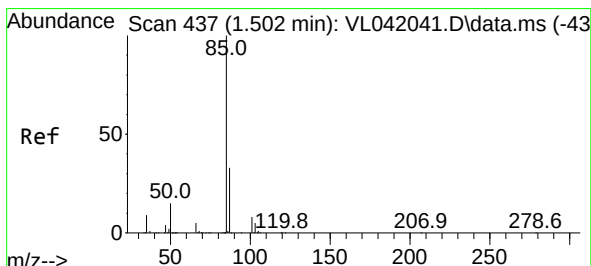
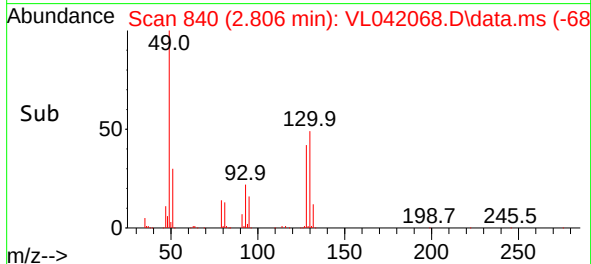
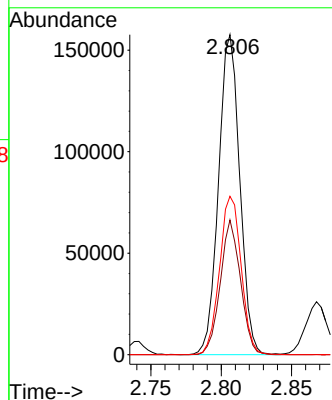
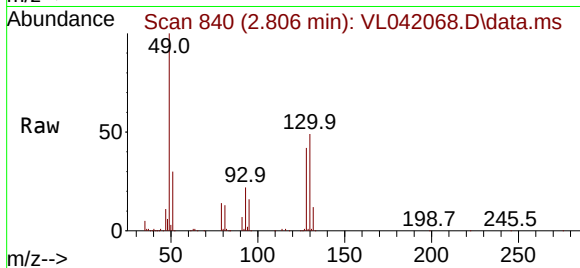
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Bromochloromethane
Concen: 10.000 ppbv
RT: 2.806 min Scan# 84
Delta R.T. 0.006 min
Lab File: VL042068.D
Acq: 27 Feb 2025 11:25

Instrument :
MSVOA_L
ClientSampleId :
VL0227ABS01

Tgt Ion: 49 Resp: 165310
Ion Ratio Lower Upper
49 100
128 40.1 21.6 64.8
130 50.5 27.8 83.4

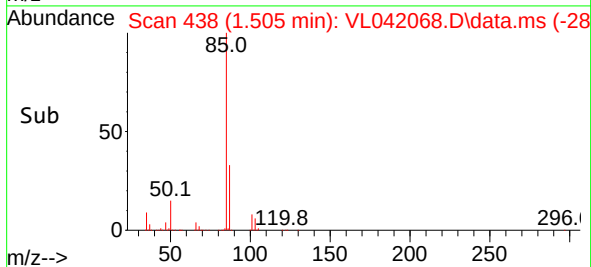
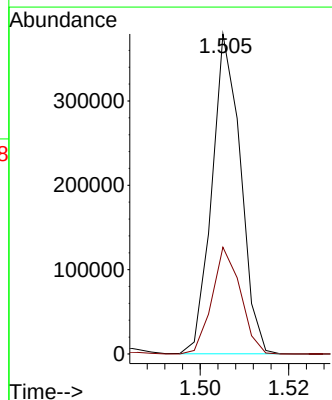
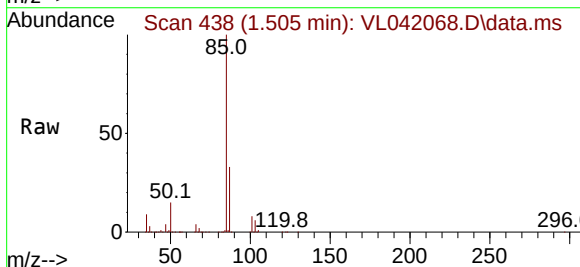
Manual Integrations
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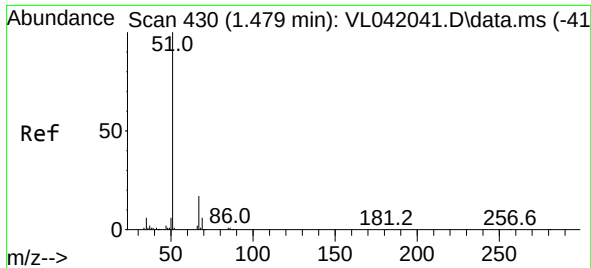
Reviewed By :Semsettin Yesilyurt 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#2
Dichlorodifluoromethane
Concen: 9.928 ppbv
RT: 1.505 min Scan# 438
Delta R.T. 0.003 min
Lab File: VL042068.D
Acq: 27 Feb 2025 11:25

Tgt Ion: 85 Resp: 170672
Ion Ratio Lower Upper
85 100
87 33.4 26.4 39.6





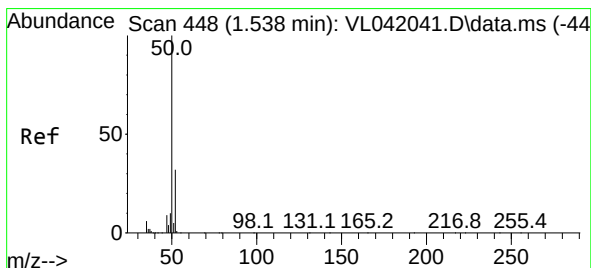
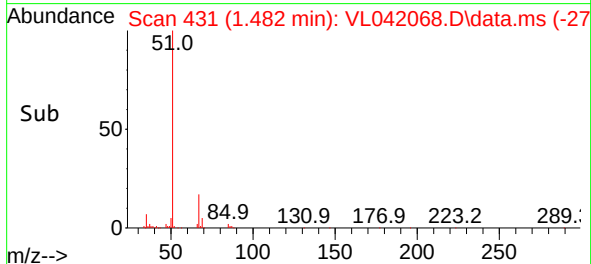
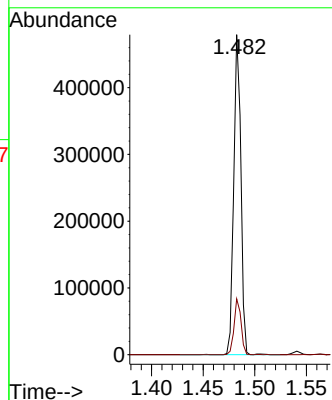
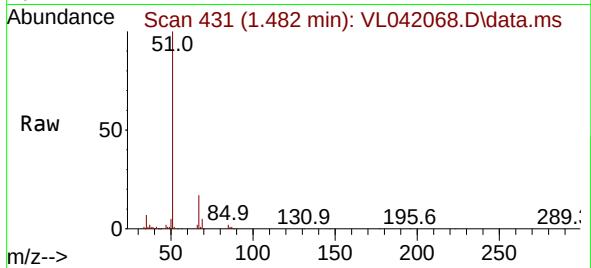
#3
Chlorodifluoromethane
Concen: 9.549 ppbv
RT: 1.482 min Scan# 41
Delta R.T. 0.003 min
Lab File: VL042068.D
Acq: 27 Feb 2025 11:25

Instrument :
MSVOA_L
ClientSampleId :
VL0227ABS01

Tgt Ion: 51 Resp: 229434
Ion Ratio Lower Upper
51 100
67 17.0 13.7 20.5

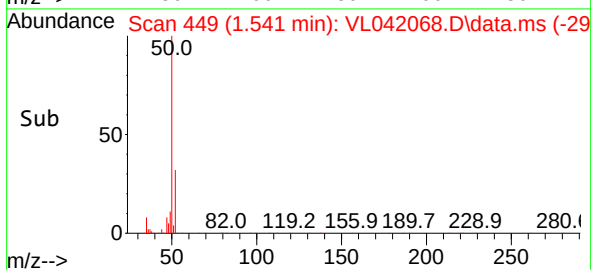
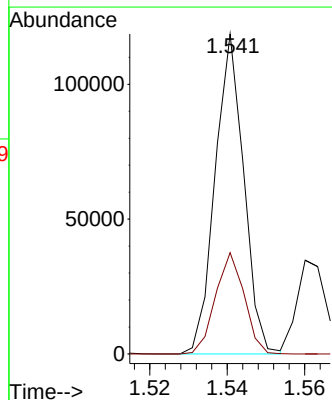
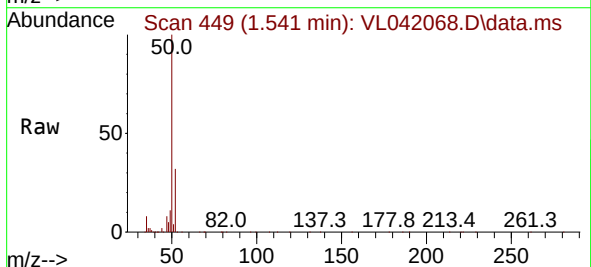
Manual Integrations
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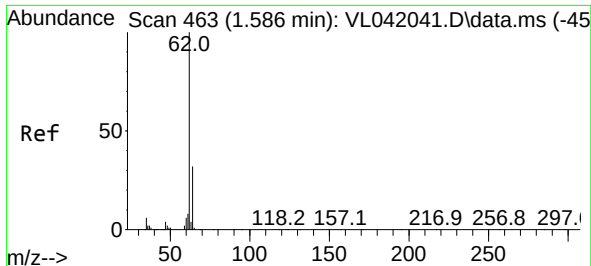
Reviewed By :Semsettin Yesilyurt 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#4
Chloromethane
Concen: 9.594 ppbv
RT: 1.541 min Scan# 449
Delta R.T. 0.003 min
Lab File: VL042068.D
Acq: 27 Feb 2025 11:25

Tgt Ion: 50 Resp: 60990
Ion Ratio Lower Upper
50 100
52 31.7 25.4 38.0





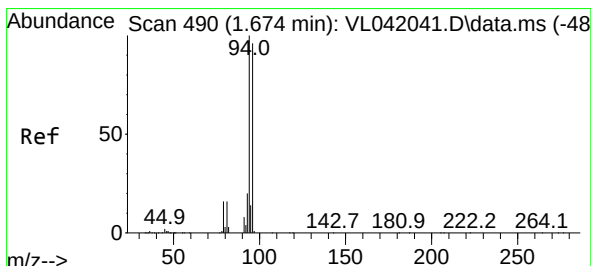
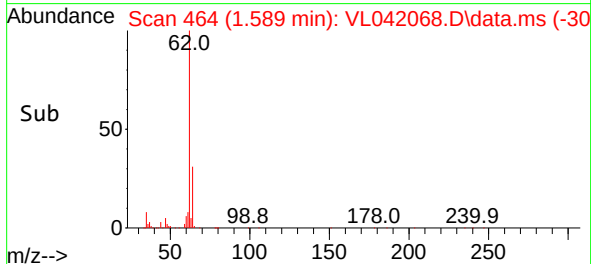
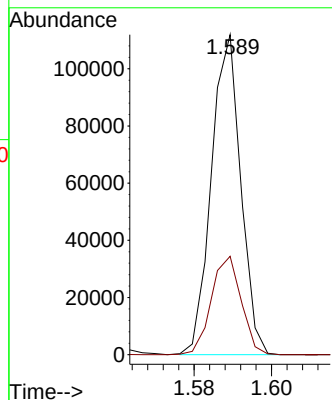
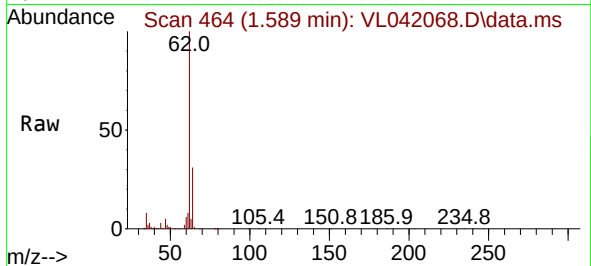
#5
 Vinyl Chloride
 Concen: 9.793 ppbv
 RT: 1.589 min Scan# 40
 Delta R.T. 0.003 min
 Lab File: VL042068.D
 Acq: 27 Feb 2025 11:25

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0227ABS01

Tgt Ion: 62 Resp: 5888
 Ion Ratio Lower Upper
 62 100
 64 30.7 25.3 37.9

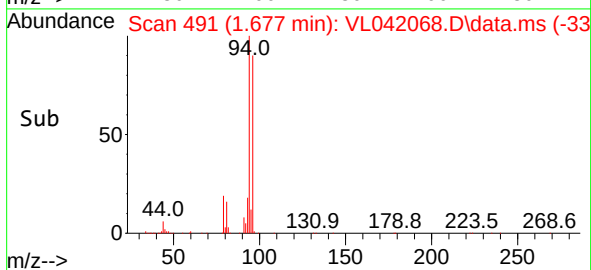
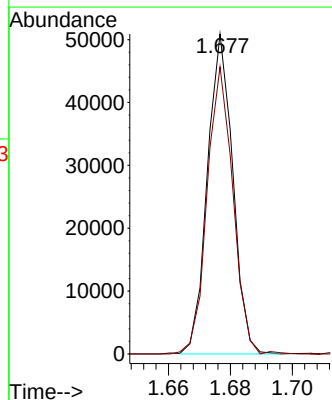
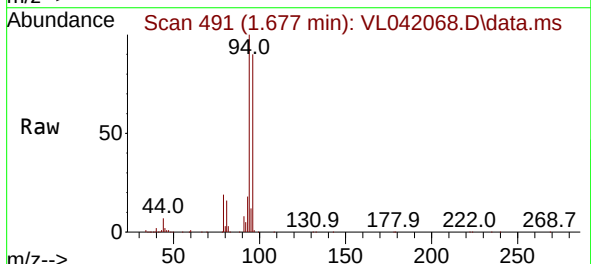
Manual Integrations
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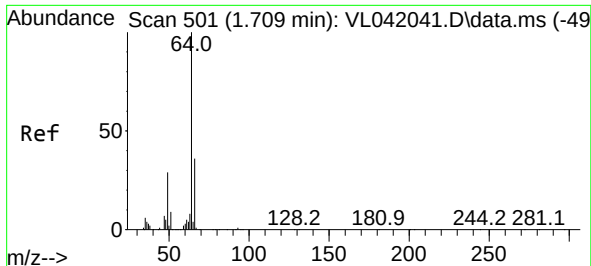
Reviewed By :Semsettin Yesilyurt 02/28/2025
 Supervised By :Mahesh Dadoda 02/28/2025



#6
 Bromomethane
 Concen: 10.095 ppbv
 RT: 1.677 min Scan# 491
 Delta R.T. 0.003 min
 Lab File: VL042068.D
 Acq: 27 Feb 2025 11:25

Tgt Ion: 94 Resp: 28906
 Ion Ratio Lower Upper
 94 100
 96 89.4 76.5 114.7





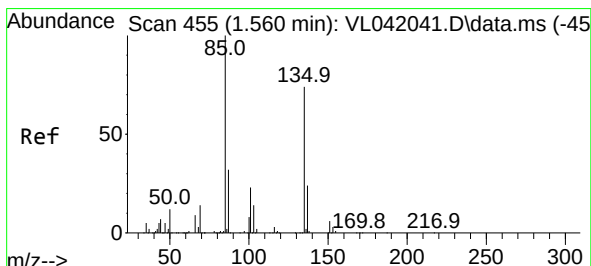
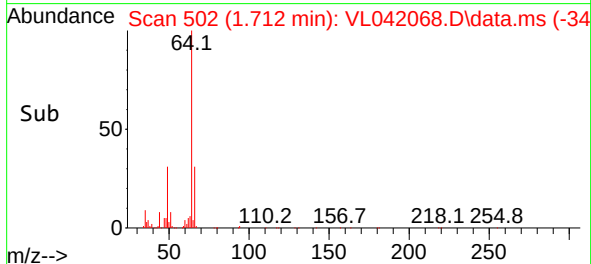
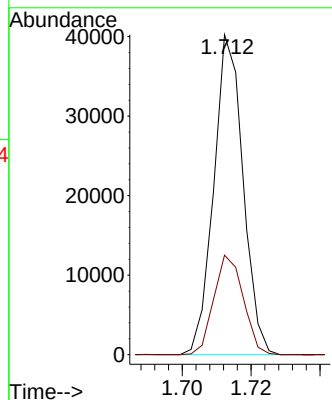
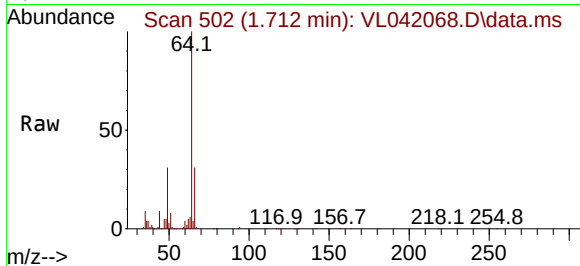
#7
Chloroethane
Concen: 9.722 ppbv
RT: 1.712 min Scan# 501
Delta R.T. 0.003 min
Lab File: VL042068.D
Acq: 27 Feb 2025 11:25

Instrument :
MSVOA_L
ClientSampleId :
VL0227ABS01

Tgt Ion: 64 Resp: 2375
Ion Ratio Lower Upper
64 100
66 31.1 28.4 42.6

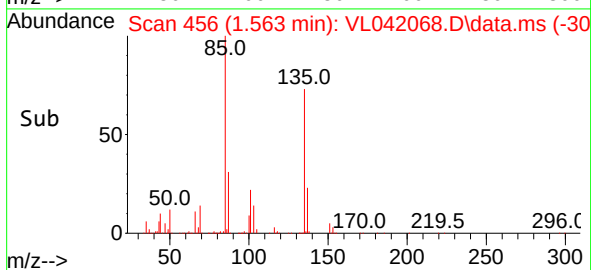
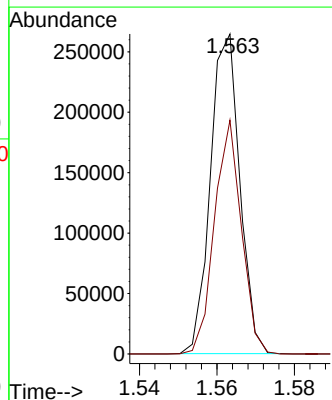
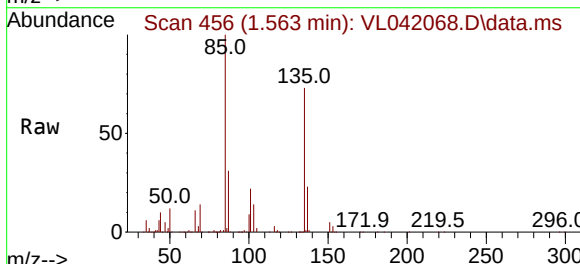
Manual Integrations
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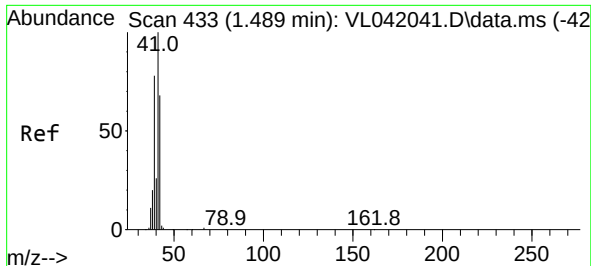
Reviewed By :Semsettin Yesilyurt 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#8
Dichlorotetrafluoroethane
Concen: 9.873 ppbv
RT: 1.563 min Scan# 456
Delta R.T. 0.003 min
Lab File: VL042068.D
Acq: 27 Feb 2025 11:25

Tgt Ion: 85 Resp: 139528
Ion Ratio Lower Upper
85 100
135 67.0 54.6 81.8





#9

Propene

Concen: 9.449 ppbv

RT: 1.492 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL042068.D

Acq: 27 Feb 2025 11:25

Instrument :

MSVOA_L

ClientSampleId :

VL0227ABS01

Tgt Ion: 41 Resp: 92485

Ion Ratio Lower Upper

41 100

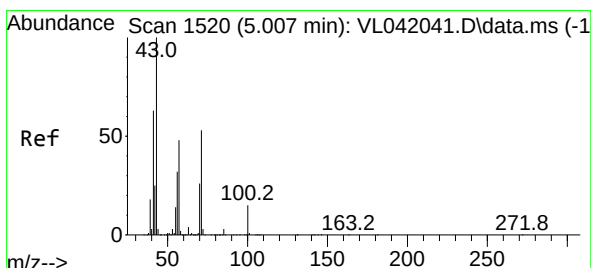
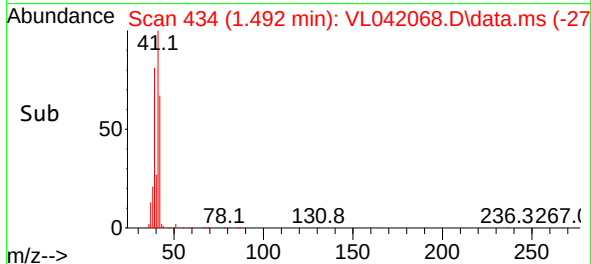
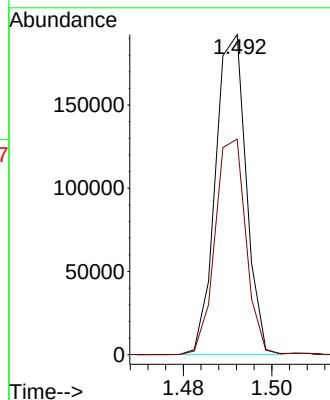
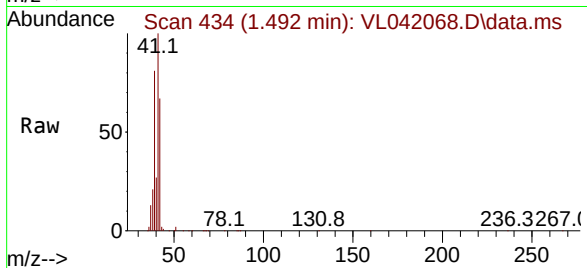
42 68.6 55.8 83.6

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 02/28/2025

Supervised By :Mahesh Dadoda 02/28/2025



#10

Heptane

Concen: 9.311 ppbv

RT: 5.017 min Scan# 1523

Delta R.T. 0.009 min

Lab File: VL042068.D

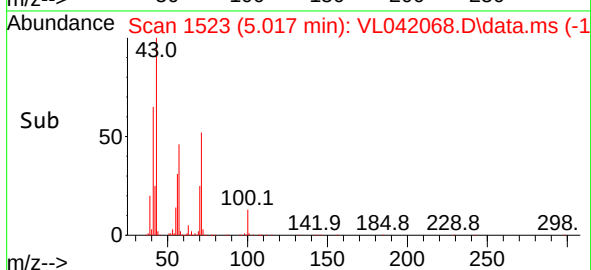
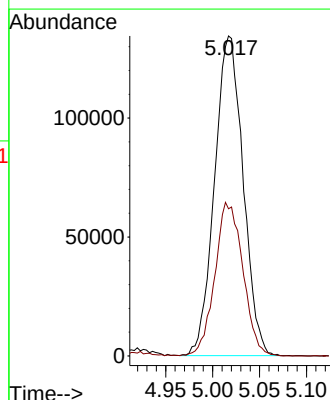
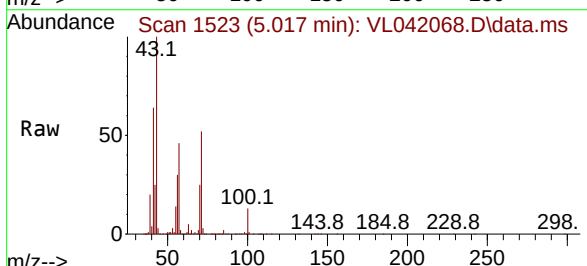
Acq: 27 Feb 2025 11:25

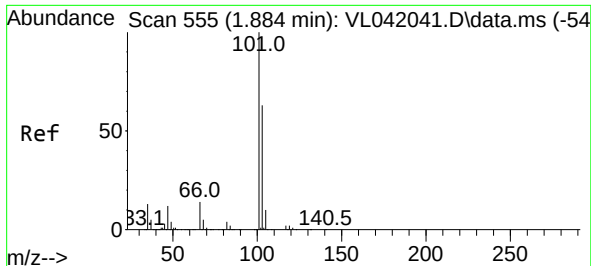
Tgt Ion: 43 Resp: 283782

Ion Ratio Lower Upper

43 100

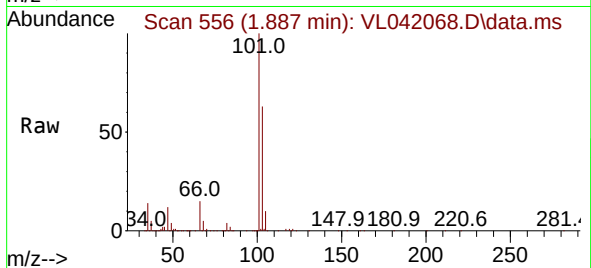
57 47.2 39.4 59.0





#11
 Trichlorofluoromethane
 Concen: 10.281 ppbv
 RT: 1.887 min Scan# 511
 Delta R.T. 0.003 min
 Lab File: VL042068.D
 Acq: 27 Feb 2025 11:25

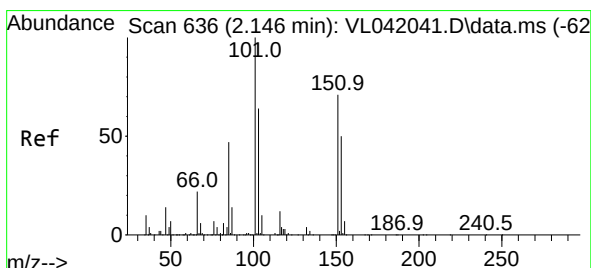
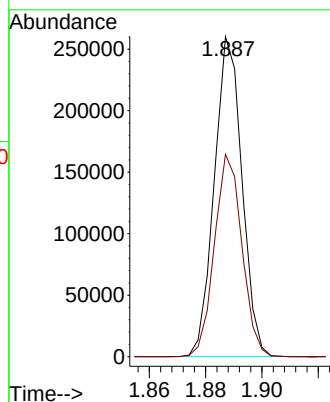
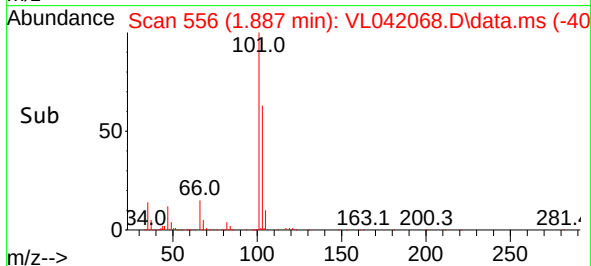
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0227ABS01



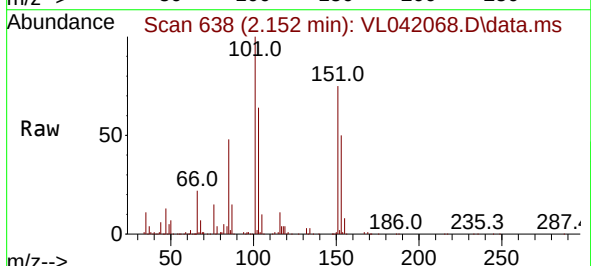
Tgt Ion:101 Resp: 177082
 Ion Ratio Lower Upper
 101 100
 103 63.2 50.6 75.8

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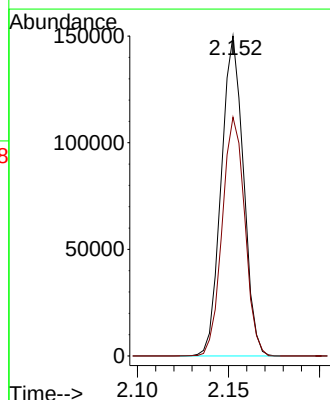
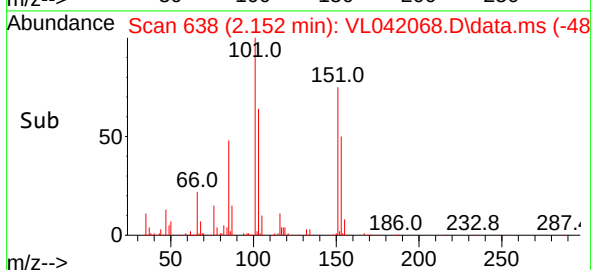
Reviewed By :Semsettin Yesilyurt 02/28/2025
 Supervised By :Mahesh Dadoda 02/28/2025

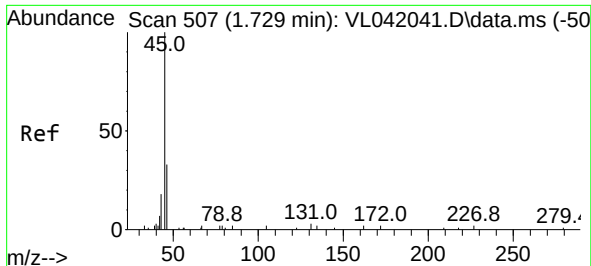


#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.259 ppbv
 RT: 2.152 min Scan# 638
 Delta R.T. 0.006 min
 Lab File: VL042068.D
 Acq: 27 Feb 2025 11:25



Tgt Ion:101 Resp: 127217
 Ion Ratio Lower Upper
 101 100
 151 75.8 62.6 94.0





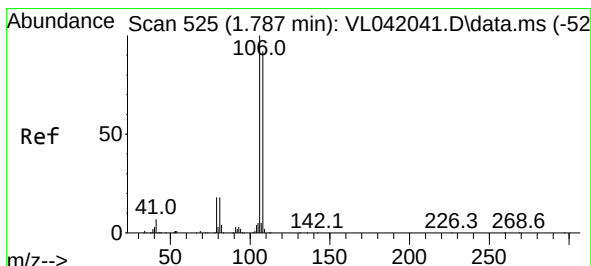
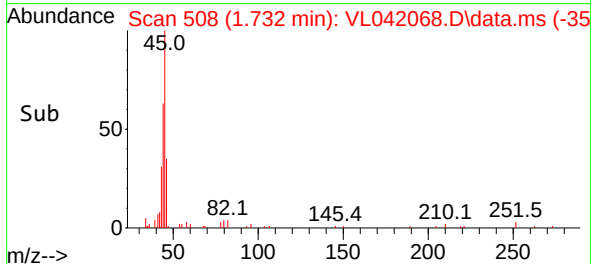
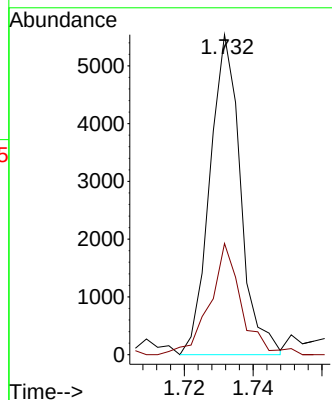
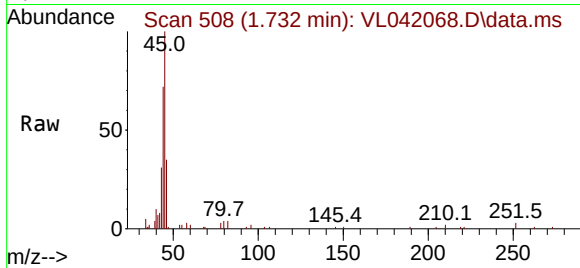
#13
Ethanol
Concen: 5.522 ppbv
RT: 1.732 min Scan# 507
Delta R.T. 0.003 min
Lab File: VL042068.D
Acq: 27 Feb 2025 11:25

Instrument :
MSVOA_L
ClientSampleId :
VL0227ABS01

Tgt Ion: 45 Resp: 343
Ion Ratio Lower Upper
45 100
46 36.7 17.1 68.3

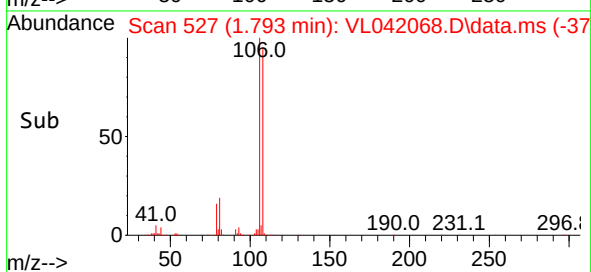
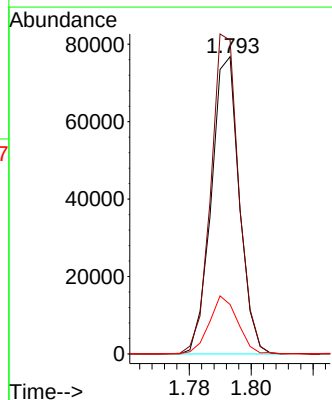
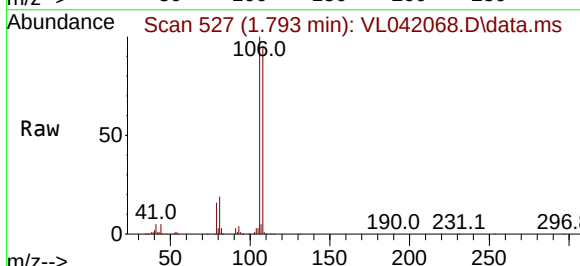
Manual Integrations
APPROVED

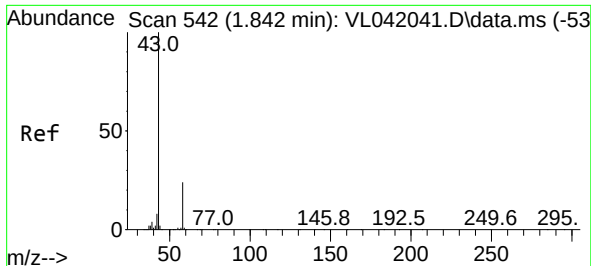
Reviewed By :Semsettin Yesilyurt 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#14
Bromoethene
Concen: 9.933 ppbv
RT: 1.793 min Scan# 527
Delta R.T. 0.006 min
Lab File: VL042068.D
Acq: 27 Feb 2025 11:25

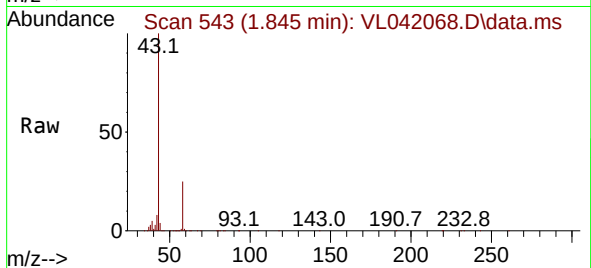
Tgt Ion:108 Resp: 48197
Ion Ratio Lower Upper
108 100
106 107.4 85.4 128.0
79 20.5 16.5 24.7





#15
Acetone
Concen: 9.016 ppbv
RT: 1.845 min Scan# 54
Delta R.T. 0.003 min
Lab File: VL042068.D
Acq: 27 Feb 2025 11:25

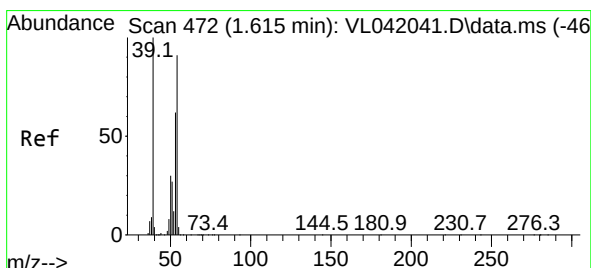
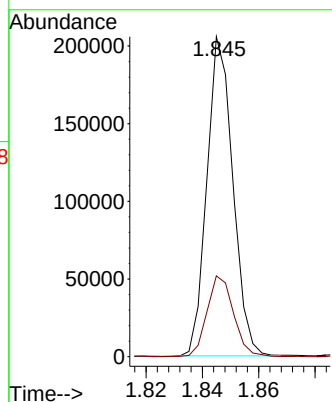
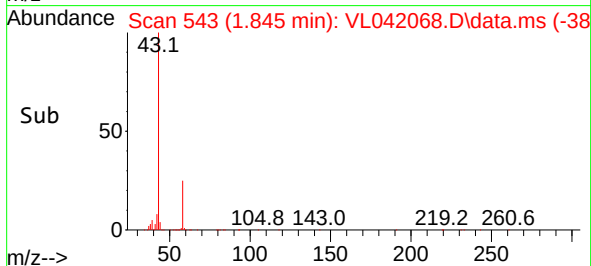
Instrument :
MSVOA_L
ClientSampleId :
VL0227ABS01



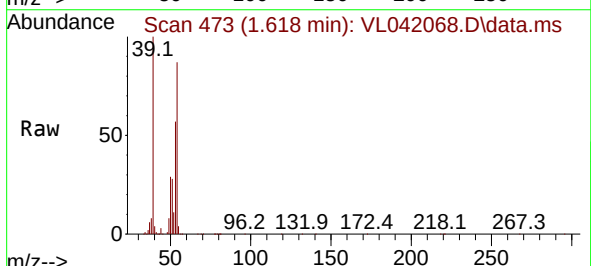
Tgt Ion: 43 Resp: 13162
Ion Ratio Lower Upper
43 100
58 26.0 20.7 31.1

Manual Integrations
APPROVED

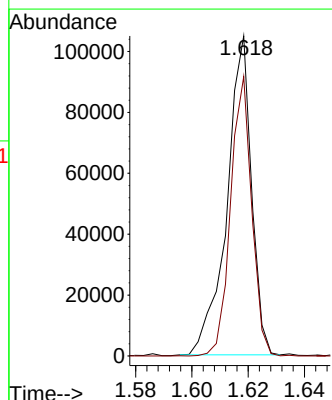
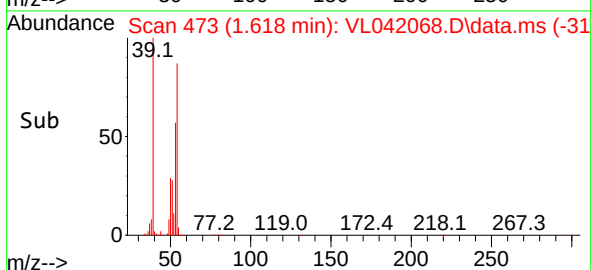
Reviewed By :Semsettin Yesilyurt 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

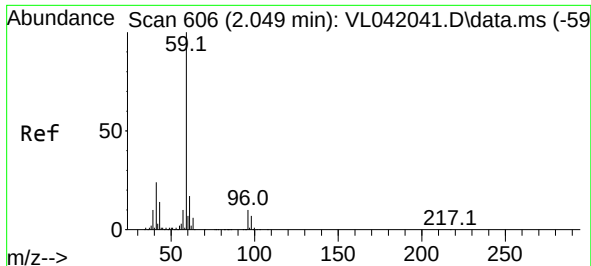


#16
1,3-Butadiene
Concen: 9.365 ppbv
RT: 1.618 min Scan# 473
Delta R.T. 0.003 min
Lab File: VL042068.D
Acq: 27 Feb 2025 11:25



Tgt Ion: 39 Resp: 63625
Ion Ratio Lower Upper
39 100
54 74.9 59.6 89.4





#17

tert-Butyl alcohol

Concen: 8.548 ppbv

RT: 2.052 min Scan# 606

Delta R.T. 0.003 min

Lab File: VL042068.D

Acq: 27 Feb 2025 11:25

Instrument :

MSVOA_L

ClientSampleId :

VL0227ABS01

Tgt Ion: 59 Resp: 156140

Ion Ratio Lower Upper

59 100

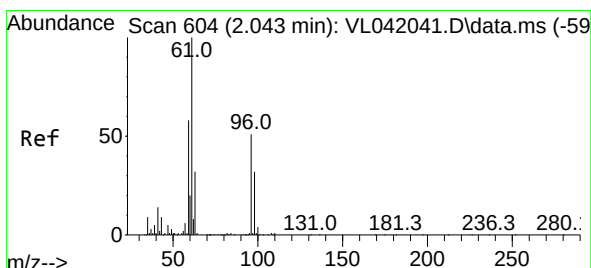
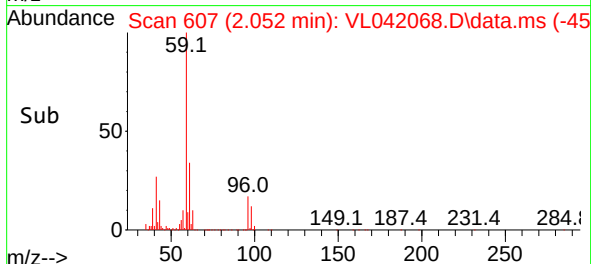
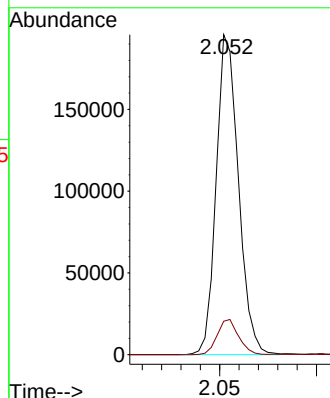
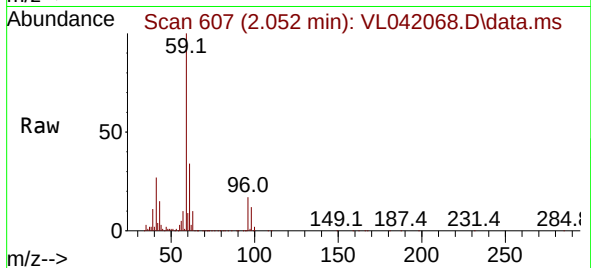
57 11.0 9.3 13.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/28/2025

Supervised By :Mahesh Dadoda 02/28/2025



#18

1,1-Dichloroethene

Concen: 9.120 ppbv

RT: 2.046 min Scan# 605

Delta R.T. 0.003 min

Lab File: VL042068.D

Acq: 27 Feb 2025 11:25

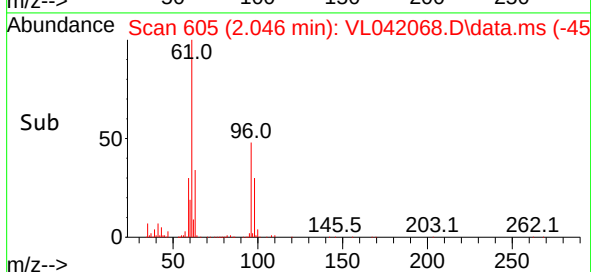
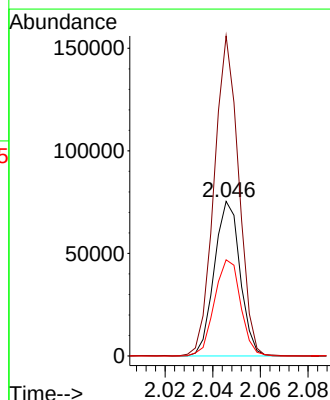
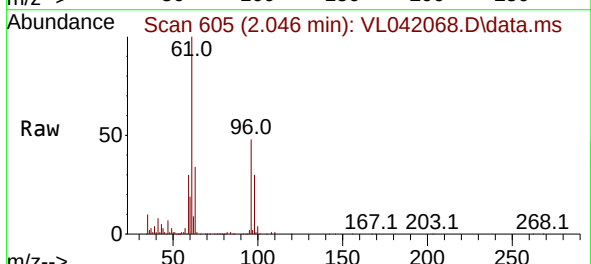
Tgt Ion: 96 Resp: 56620

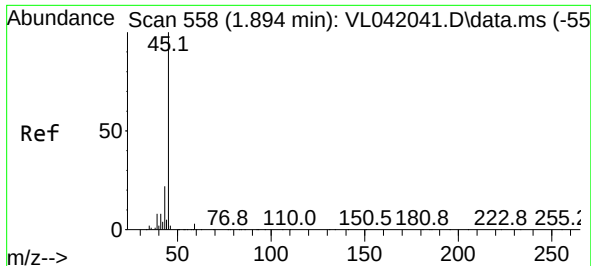
Ion Ratio Lower Upper

96 100

61 206.9 156.0 234.0

98 62.2 49.4 74.2





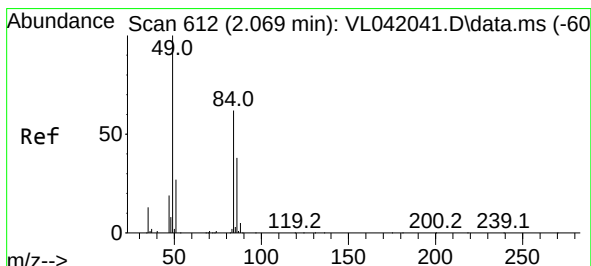
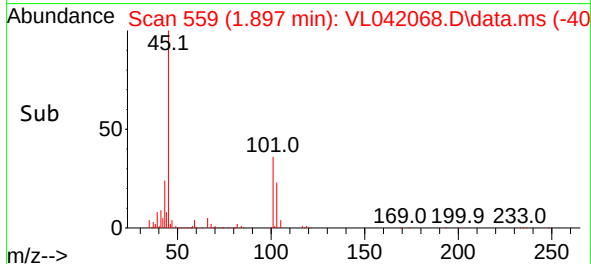
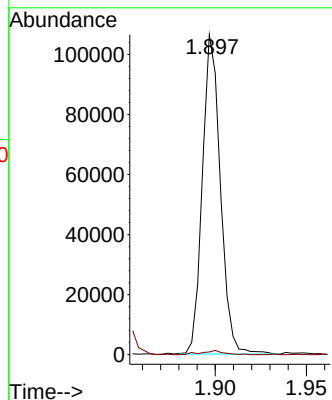
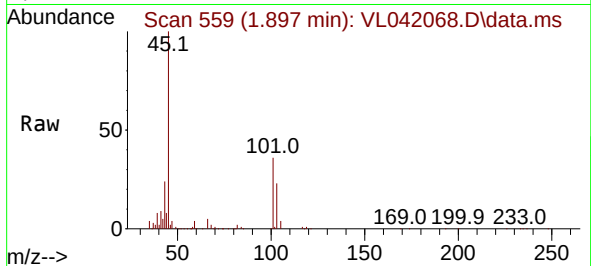
#19
Isopropyl Alcohol
Concen: 8.745 ppbv
RT: 1.897 min Scan# 51
Delta R.T. 0.003 min
Lab File: VL042068.D
Acq: 27 Feb 2025 11:25

Instrument :
MSVOA_L
ClientSampleId :
VL0227ABS01

Tgt Ion: 45 Resp: 73339
Ion Ratio Lower Upper
45 100
58 46.7 35.3 52.9

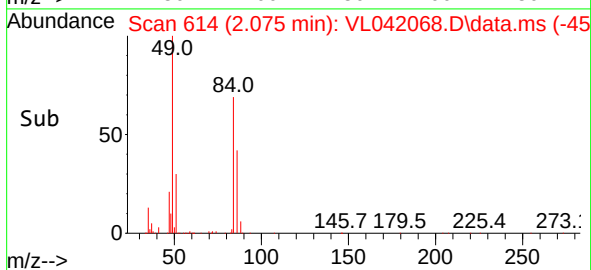
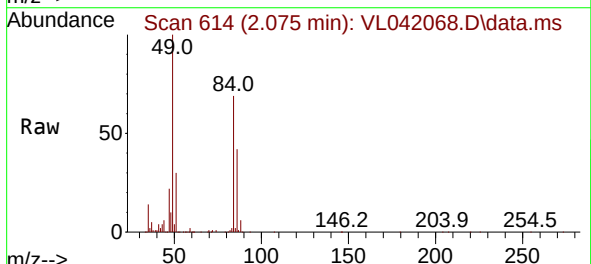
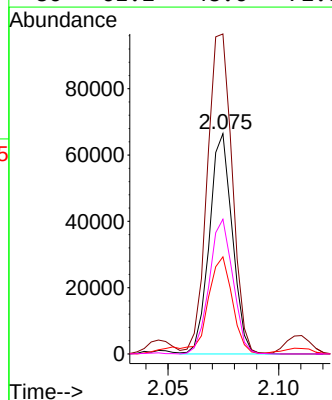
Manual Integrations
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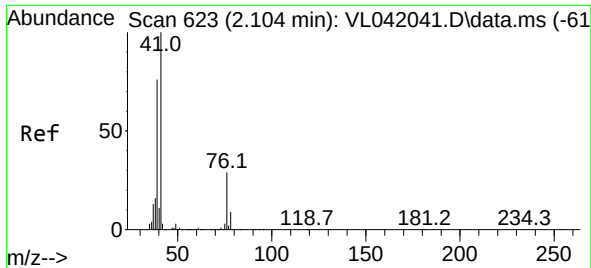
Reviewed By :Semsettin Yesilyurt 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#20
Methylene Chloride
Concen: 8.665 ppbv
RT: 2.075 min Scan# 614
Delta R.T. 0.006 min
Lab File: VL042068.D
Acq: 27 Feb 2025 11:25

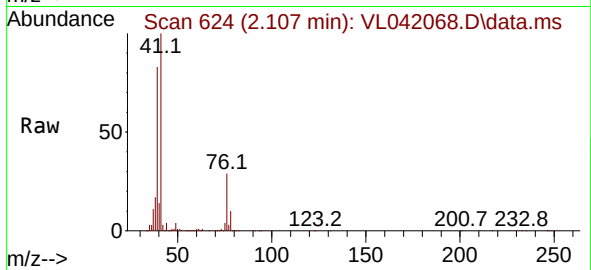
Tgt Ion: 84 Resp: 47852
Ion Ratio Lower Upper
84 100
49 143.7 130.0 195.0
51 42.9 37.4 56.0
86 61.2 48.6 72.8





#21
 Allyl Chloride
 Concen: 9.049 ppbv
 RT: 2.107 min Scan# 61
 Delta R.T. 0.003 min
 Lab File: VL042068.D
 Acq: 27 Feb 2025 11:25

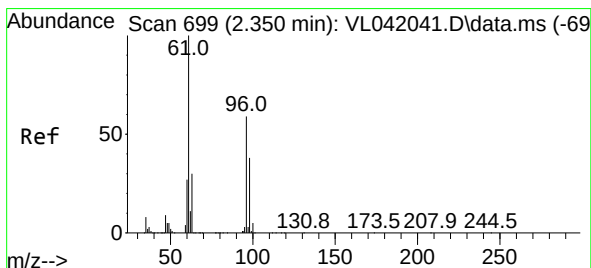
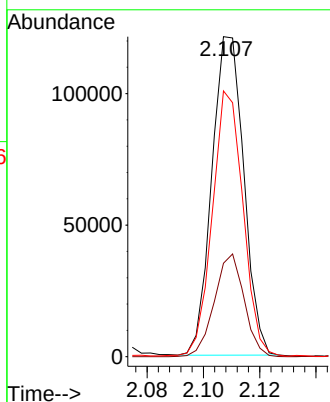
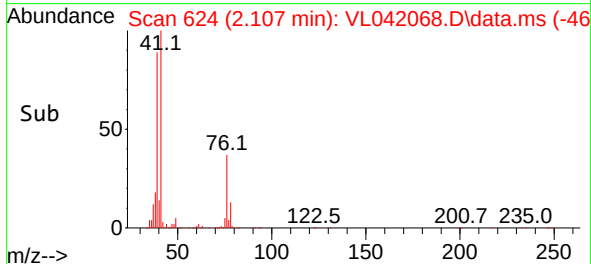
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0227ABS01



Tgt Ion: 41 Resp: 9545
 Ion Ratio Lower Upper
 41 100
 76 30.0 23.8 35.6
 39 80.4 63.8 95.6

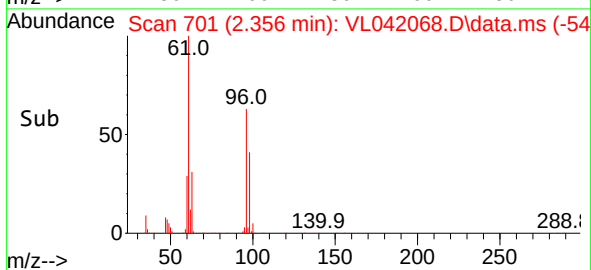
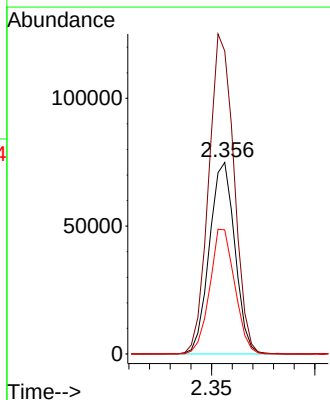
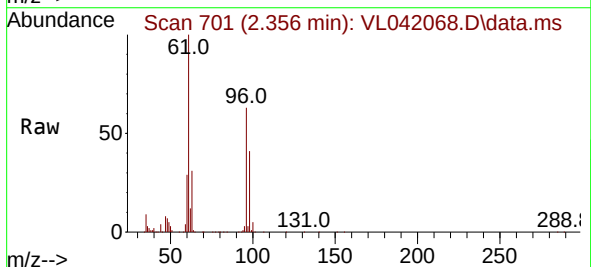
Manual Integrations
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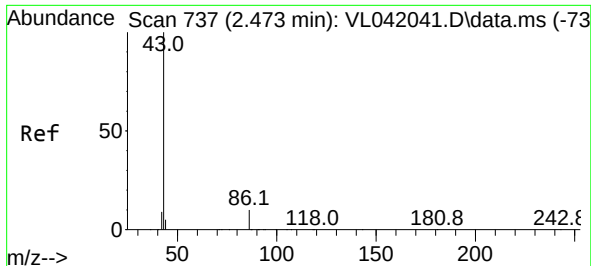
Reviewed By :Semsettin Yesilyurt 02/28/2025
 Supervised By :Mahesh Dadoda 02/28/2025



#22
 trans-1,2-Dichloroethene
 Concen: 8.873 ppbv
 RT: 2.356 min Scan# 701
 Delta R.T. 0.006 min
 Lab File: VL042068.D
 Acq: 27 Feb 2025 11:25

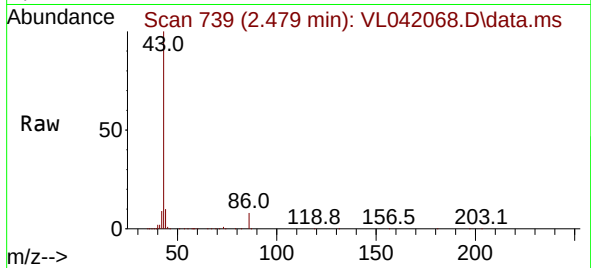
Tgt Ion: 96 Resp: 64221
 Ion Ratio Lower Upper
 96 100
 61 158.0 136.6 205.0
 98 64.6 51.8 77.6





#23
 Vinyl Acetate
 Concen: 9.052 ppbv
 RT: 2.479 min Scan# 71
 Delta R.T. 0.006 min
 Lab File: VL042068.D
 Acq: 27 Feb 2025 11:25

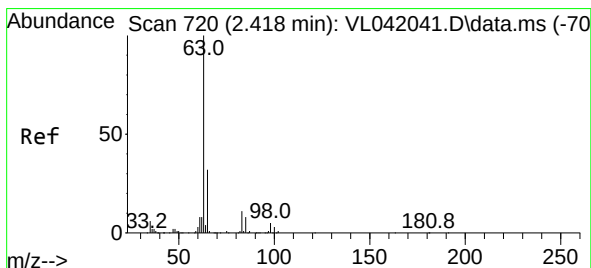
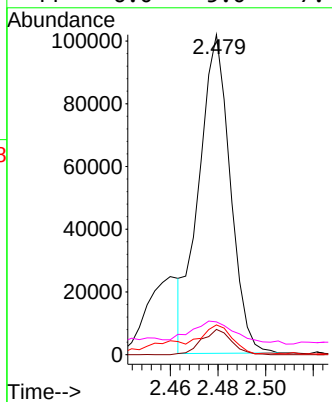
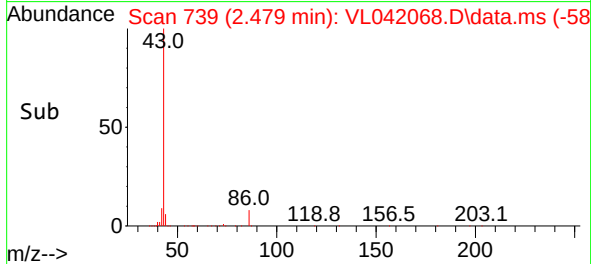
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0227ABS01



Tgt Ion: 43 Resp: 92920
 Ion Ratio Lower Upper
 43 100
 86 7.9 7.0 10.4
 42 9.0 7.6 11.4
 44 6.0 5.0 7.4

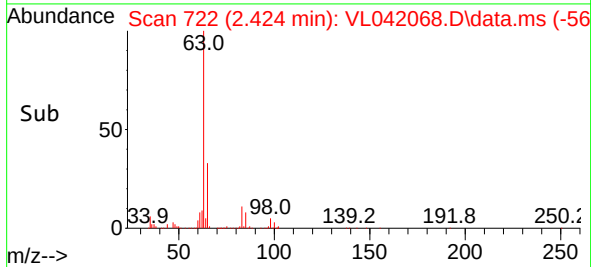
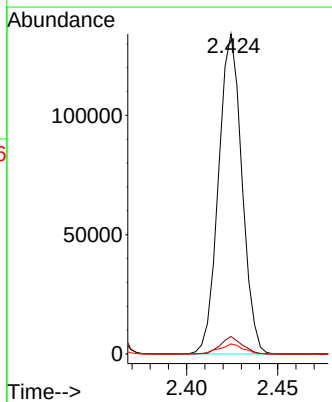
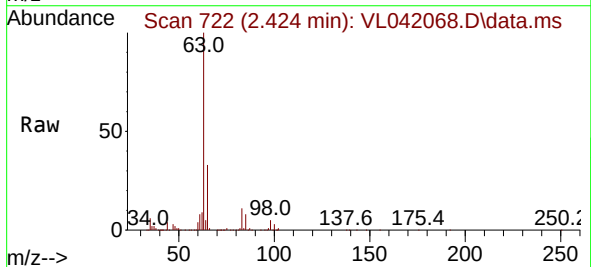
Manual Integrations
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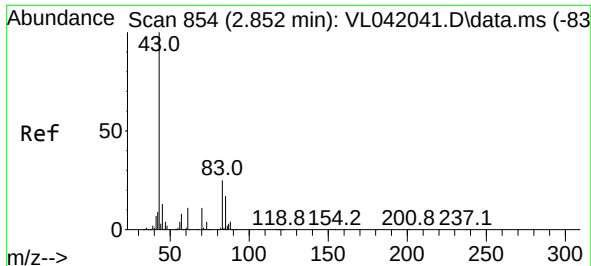
Reviewed By :Semsettin Yesilyurt 02/28/2025
 Supervised By :Mahesh Dadoda 02/28/2025



#24
 1,1-Dichloroethane
 Concen: 8.899 ppbv
 RT: 2.424 min Scan# 722
 Delta R.T. 0.006 min
 Lab File: VL042068.D
 Acq: 27 Feb 2025 11:25

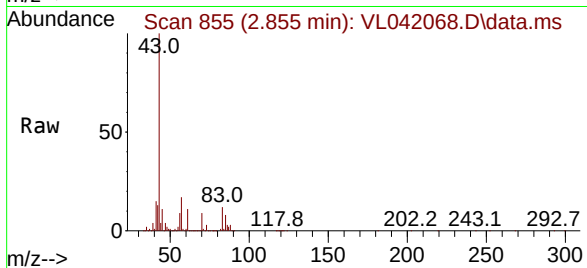
Tgt Ion: 63 Resp: 119840
 Ion Ratio Lower Upper
 63 100
 98 5.5 2.4 7.2
 100 3.1 1.7 5.0





#25
Ethyl Acetate
Concen: 9.550 ppbv
RT: 2.855 min Scan# 81
Delta R.T. 0.003 min
Lab File: VL042068.D
Acq: 27 Feb 2025 11:25

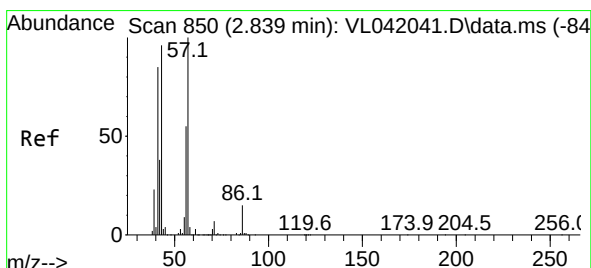
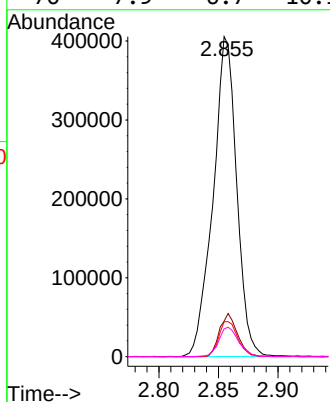
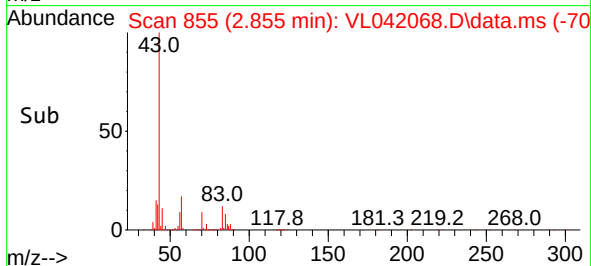
Instrument :
MSVOA_L
ClientSampleId :
VL0227ABS01



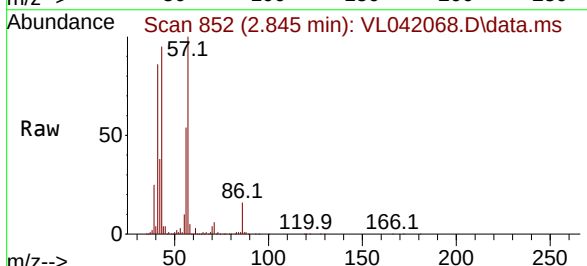
Tgt Ion: 43 Resp: 558049
Ion Ratio Lower Upper
43 100
45 10.3 8.1 12.1
61 9.0 7.2 10.8
70 7.9 6.7 10.1

Manual Integrations
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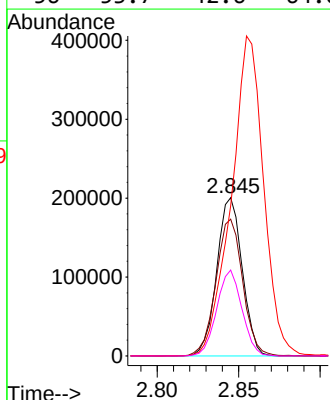
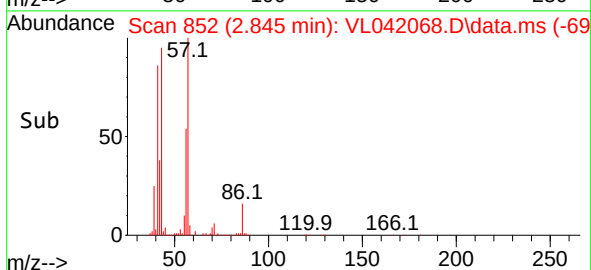
Reviewed By :Semsettin Yesilyurt 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

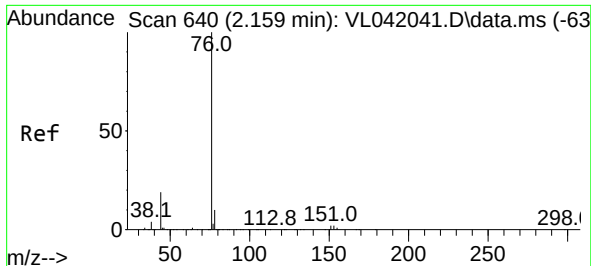


#26
Hexane
Concen: 9.198 ppbv
RT: 2.845 min Scan# 852
Delta R.T. 0.006 min
Lab File: VL042068.D
Acq: 27 Feb 2025 11:25



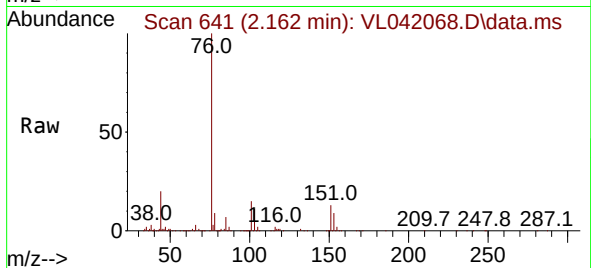
Tgt Ion: 57 Resp: 217289
Ion Ratio Lower Upper
57 100
41 91.3 70.6 106.0
43 257.9 199.4 299.0
56 53.7 42.6 64.0





#27
Carbon Disulfide
Concen: 9.413 ppbv
RT: 2.162 min Scan# 640
Delta R.T. 0.003 min
Lab File: VL042068.D
Acq: 27 Feb 2025 11:25

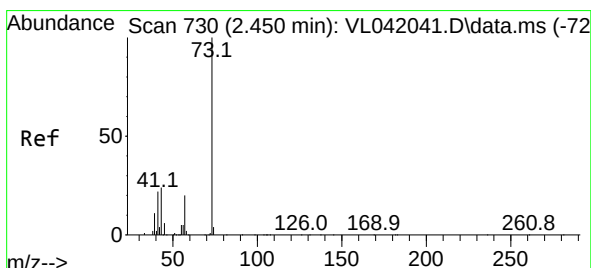
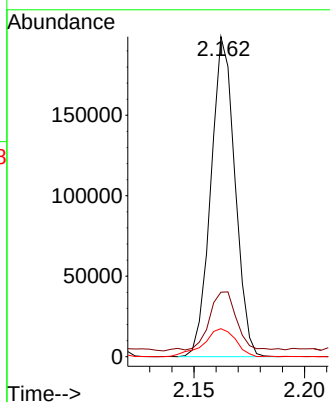
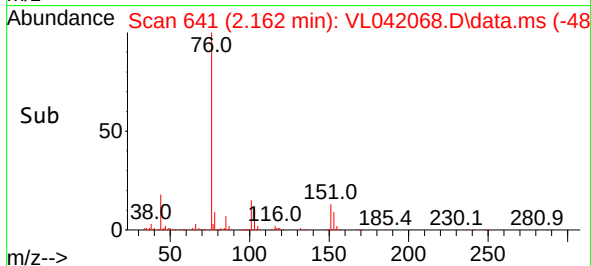
Instrument :
MSVOA_L
ClientSampleId :
VL0227ABS01



Tgt Ion: 76 Resp: 150739
Ion Ratio Lower Upper
76 100
44 21.2 16.2 24.2
78 11.8 9.4 14.0

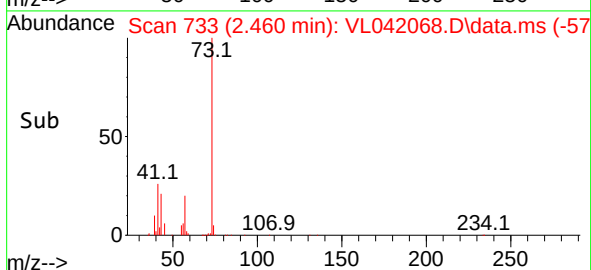
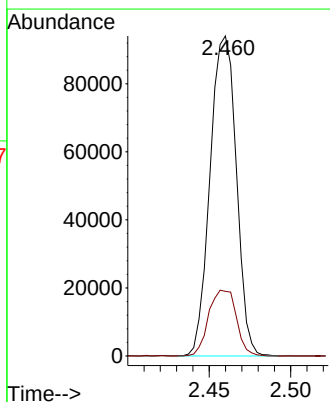
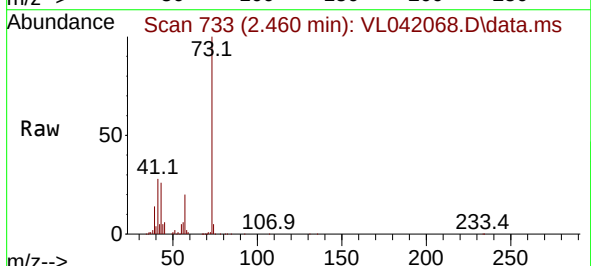
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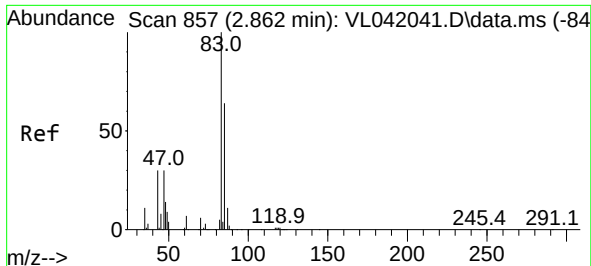
Reviewed By :Semsettin Yesilyurt 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#28
Methyl tert-Butyl Ether
Concen: 8.953 ppbv
RT: 2.460 min Scan# 733
Delta R.T. 0.009 min
Lab File: VL042068.D
Acq: 27 Feb 2025 11:25

Tgt Ion: 73 Resp: 105298
Ion Ratio Lower Upper
73 100
57 21.8 17.7 26.5





#29

Chloroform

Concen: 9.088 ppbv

RT: 2.868 min Scan# 859

Delta R.T. 0.006 min

Lab File: VL042068.D

Acq: 27 Feb 2025 11:25

Instrument :

MSVOA_L

ClientSampleId :

VL0227ABS01

Tgt Ion: 83 Resp: 288962

Ion Ratio Lower Upper

83 100

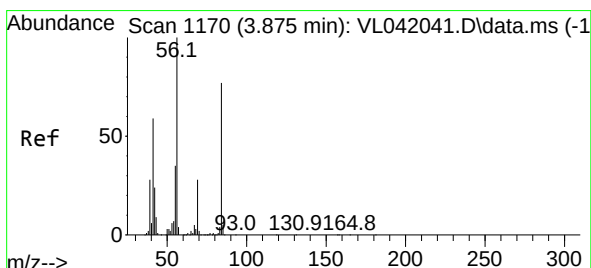
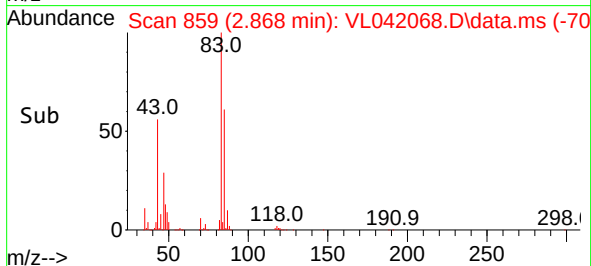
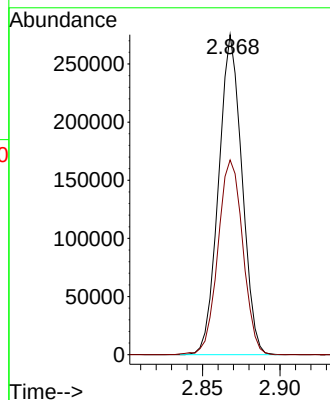
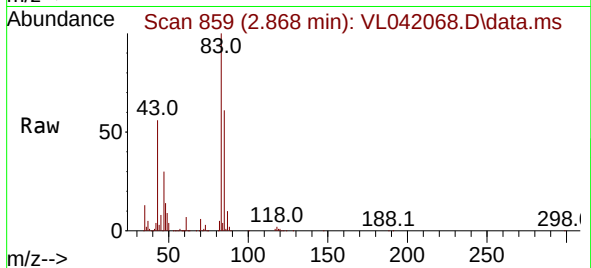
85 60.8 51.2 76.8

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 02/28/2025

Supervised By :Mahesh Dadoda 02/28/2025



#30

Cyclohexane

Concen: 8.771 ppbv

RT: 3.884 min Scan# 1173

Delta R.T. 0.009 min

Lab File: VL042068.D

Acq: 27 Feb 2025 11:25

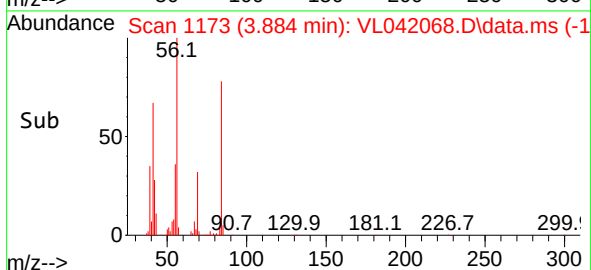
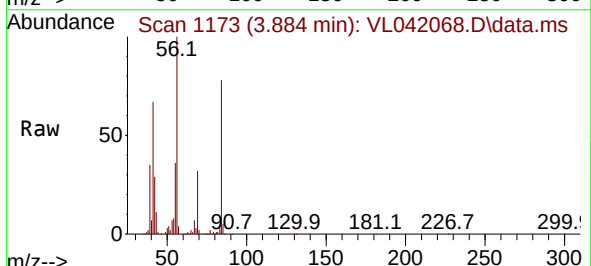
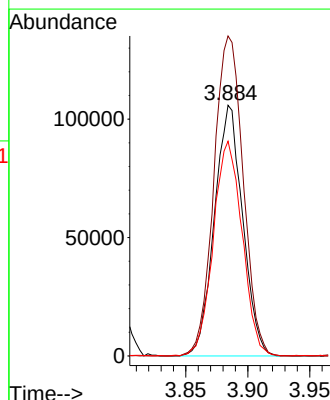
Tgt Ion: 84 Resp: 168184

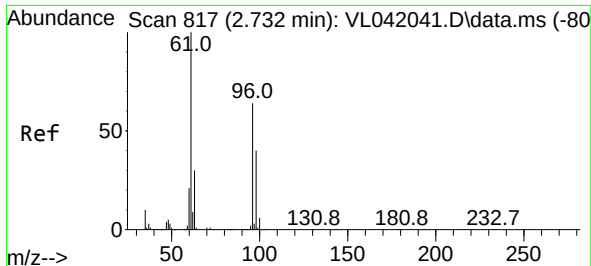
Ion Ratio Lower Upper

84 100

56 132.5 101.5 152.3

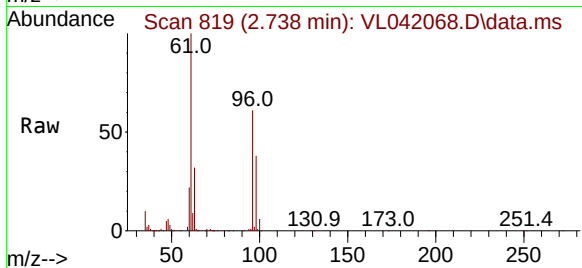
41 87.1 62.6 93.8





#31
 cis-1,2-Dichloroethene
 Concen: 9.232 ppbv
 RT: 2.738 min Scan# 817
 Delta R.T. 0.006 min
 Lab File: VL042068.D
 Acq: 27 Feb 2025 11:25

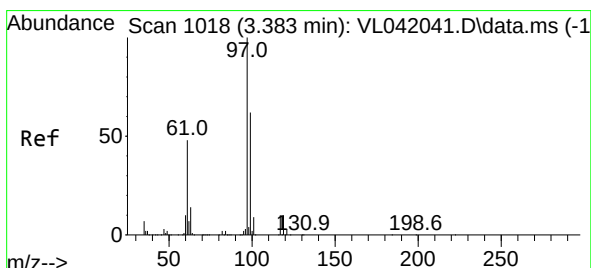
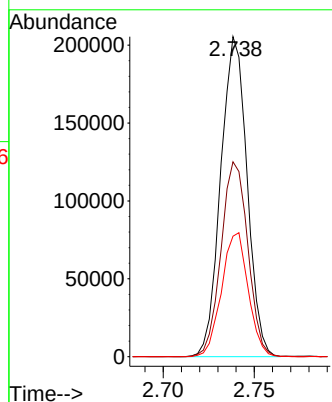
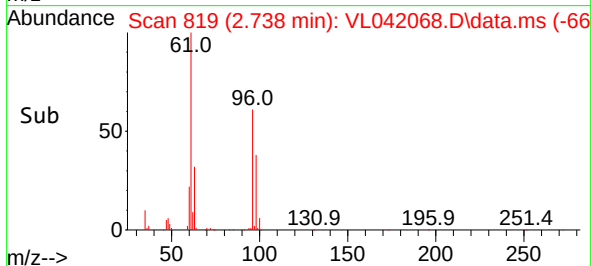
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0227ABS01



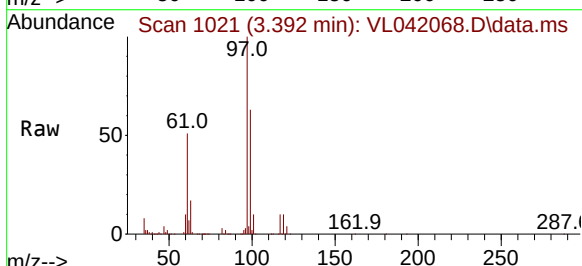
Tgt Ion: 61 Resp: 206470
 Ion Ratio Lower Upper
 61 100
 96 60.9 51.5 77.3
 98 37.7 32.0 48.0

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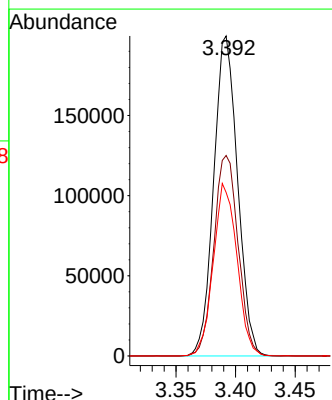
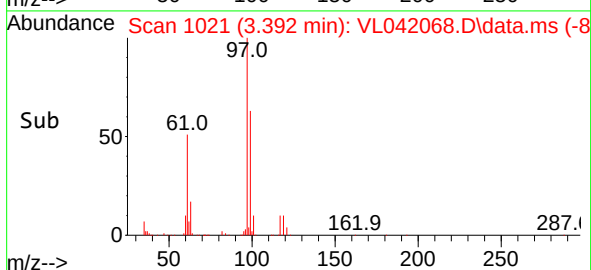
Reviewed By :Semsettin Yesilyurt 02/28/2025
 Supervised By :Mahesh Dadoda 02/28/2025

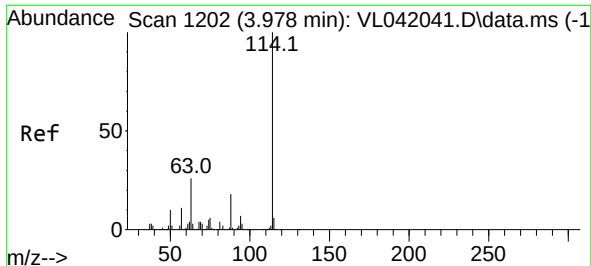


#32
 1,1,1-Trichloroethane
 Concen: 9.021 ppbv
 RT: 3.392 min Scan# 1021
 Delta R.T. 0.009 min
 Lab File: VL042068.D
 Acq: 27 Feb 2025 11:25



Tgt Ion: 97 Resp: 278241
 Ion Ratio Lower Upper
 97 100
 99 63.7 49.8 74.6
 61 53.4 38.9 58.3





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.988 min Scan# 1

Delta R.T. 0.009 min

Lab File: VL042068.D

Acq: 27 Feb 2025 11:25

Instrument :

MSVOA_L

ClientSampleId :

VL0227ABS01

Tgt Ion:114 Resp: 37671

Ion Ratio Lower Upper

114 100

63 26.9 20.1 30.1

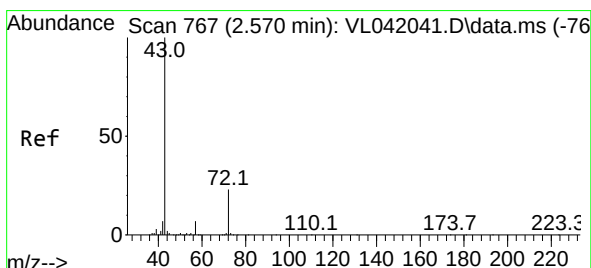
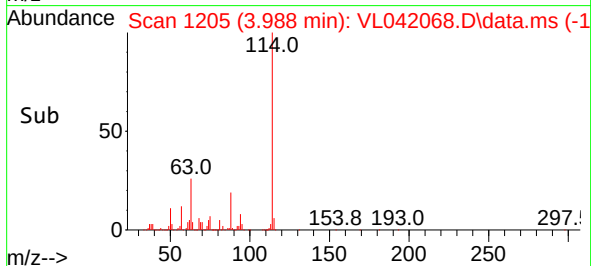
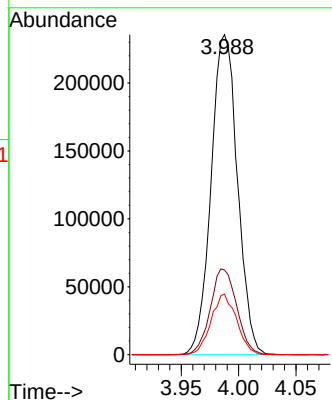
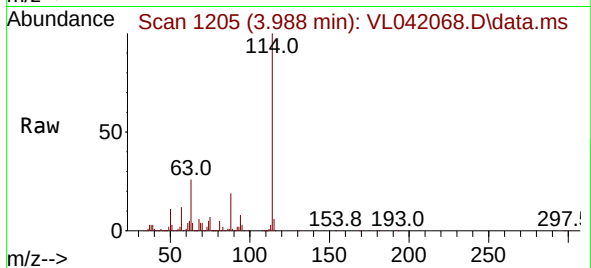
88 18.3 14.3 21.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/28/2025

Supervised By :Mahesh Dadoda 02/28/2025



#34

2-Butanone

Concen: 11.041 ppbv

RT: 2.576 min Scan# 769

Delta R.T. 0.006 min

Lab File: VL042068.D

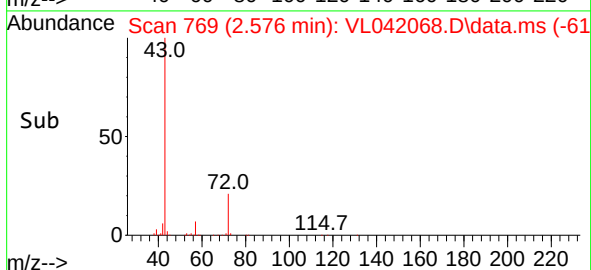
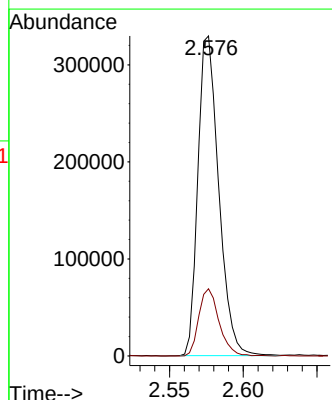
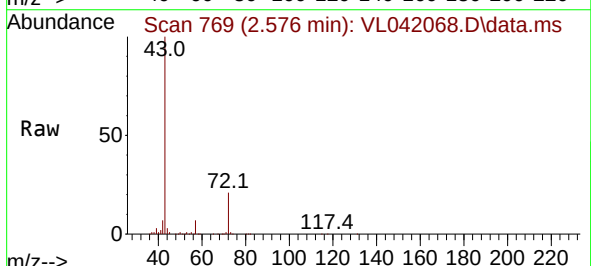
Acq: 27 Feb 2025 11:25

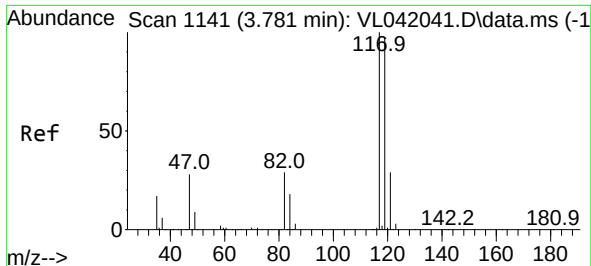
Tgt Ion: 43 Resp: 324037

Ion Ratio Lower Upper

43 100

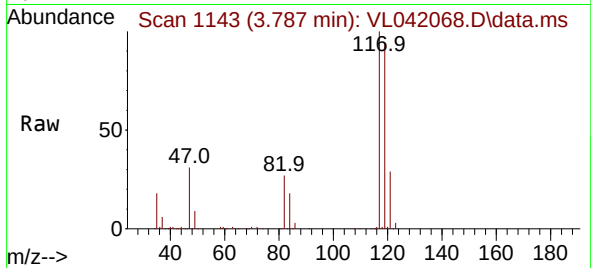
72 20.5 18.5 27.7





#35
Carbon Tetrachloride
Concen: 10.707 ppbv
RT: 3.787 min Scan# 1141
Delta R.T. 0.006 min
Lab File: VL042068.D
Acq: 27 Feb 2025 11:25

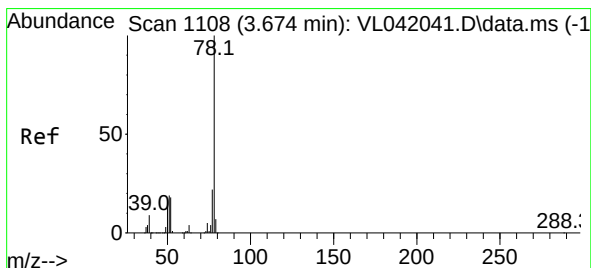
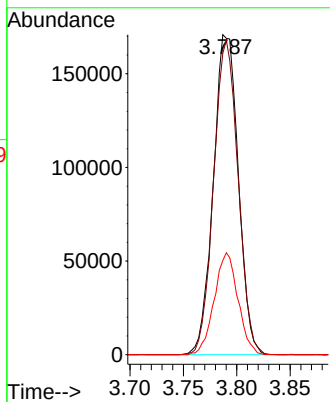
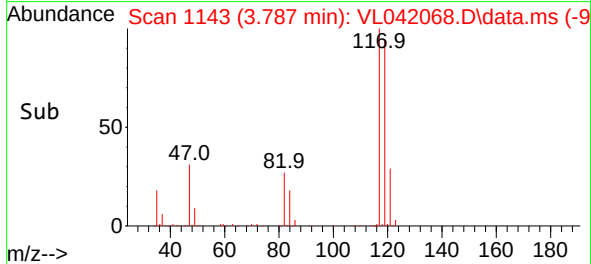
Instrument :
MSVOA_L
ClientSampleId :
VL0227ABS01



Tgt Ion:117 Resp: 27814
Ion Ratio Lower Upper
117 100
119 94.2 77.8 116.8
121 29.4 23.4 35.0

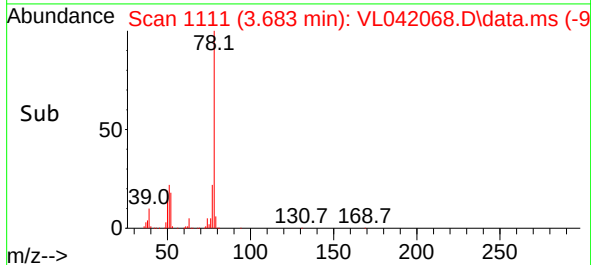
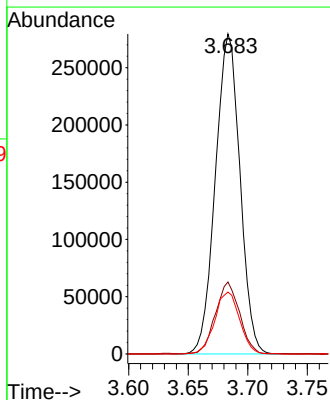
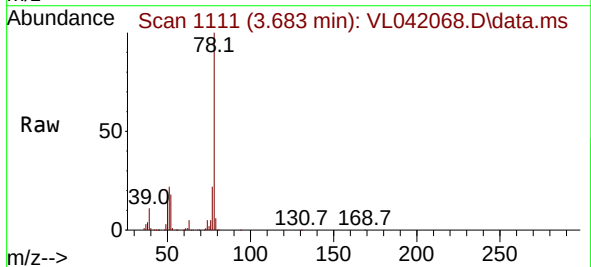
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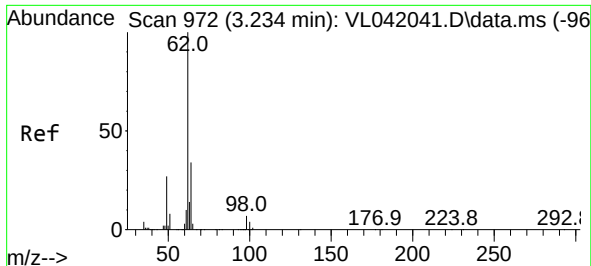
Reviewed By :Semsettin Yesilyurt 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#36
Benzene
Concen: 10.158 ppbv
RT: 3.683 min Scan# 1111
Delta R.T. 0.009 min
Lab File: VL042068.D
Acq: 27 Feb 2025 11:25

Tgt Ion: 78 Resp: 400607
Ion Ratio Lower Upper
78 100
77 22.4 17.7 26.5
50 19.3 13.9 20.9





#37

1,2-Dichloroethane

Concen: 10.702 ppbv

RT: 3.240 min Scan# 91

Delta R.T. 0.006 min

Lab File: VL042068.D

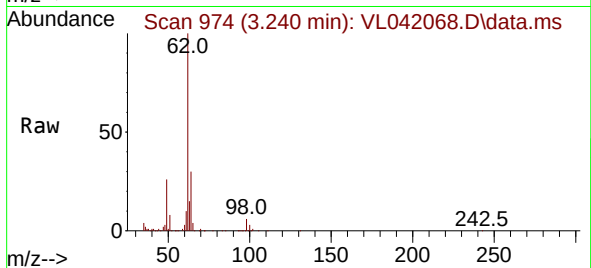
Acq: 27 Feb 2025 11:25

Instrument :

MSVOA_L

ClientSampleId :

VL0227ABS01



Tgt Ion: 62 Resp: 233998

Ion Ratio Lower Upper

62 100

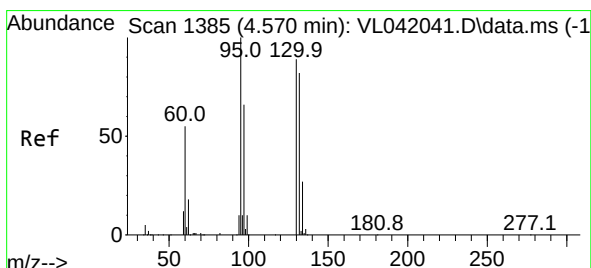
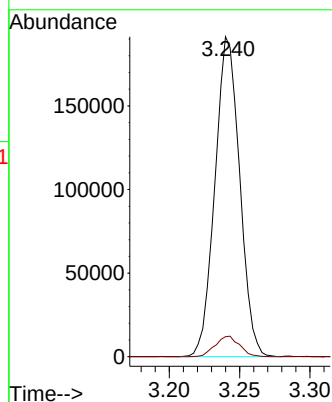
98 6.3 5.7 8.5

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 02/28/2025

Supervised By :Mahesh Dadoda 02/28/2025



#38

Trichloroethene

Concen: 9.500 ppbv

RT: 4.583 min Scan# 1389

Delta R.T. 0.013 min

Lab File: VL042068.D

Acq: 27 Feb 2025 11:25

Tgt Ion:130 Resp: 152975

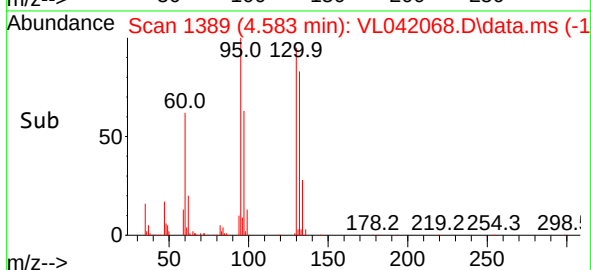
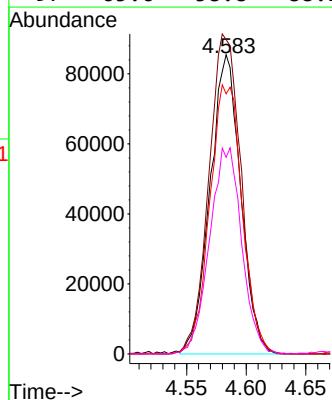
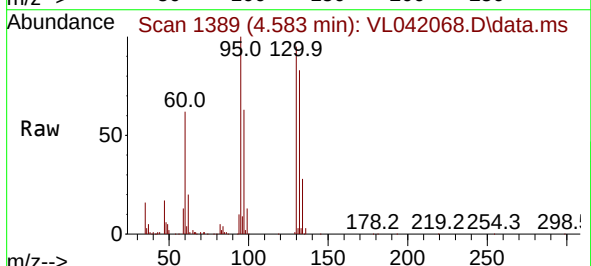
Ion Ratio Lower Upper

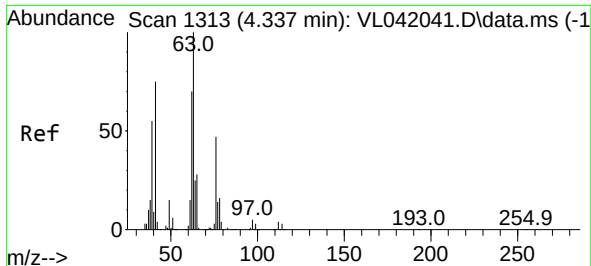
130 100

95 104.8 89.5 134.3

132 86.7 73.8 110.6

97 65.6 58.8 88.2





#39

1,2-Dichloropropane

Concen: 10.310 ppbv

RT: 4.347 min Scan# 11

Delta R.T. 0.009 min

Lab File: VL042068.D

Acq: 27 Feb 2025 11:25

Instrument :

MSVOA_L

ClientSampleId :

VL0227ABS01

Tgt Ion: 63 Resp: 15433

Ion Ratio Lower Upper

63 100

41 77.8 60.1 90.1

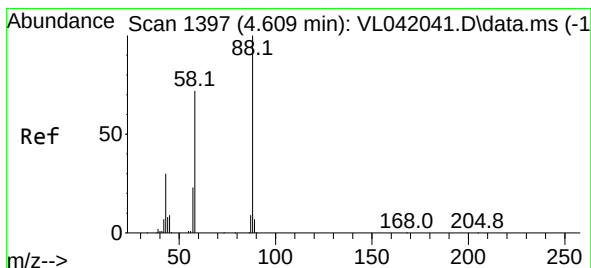
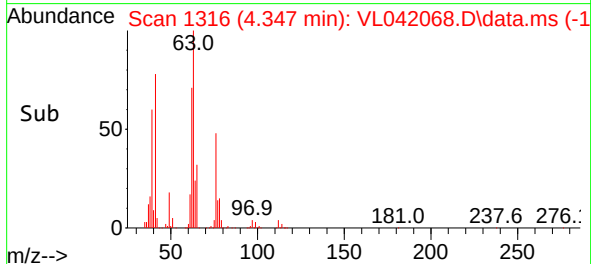
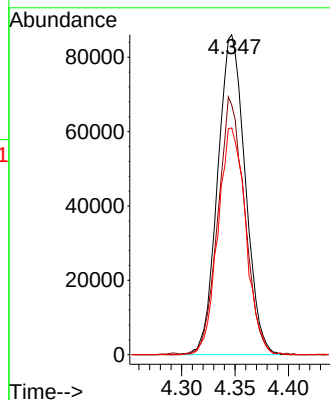
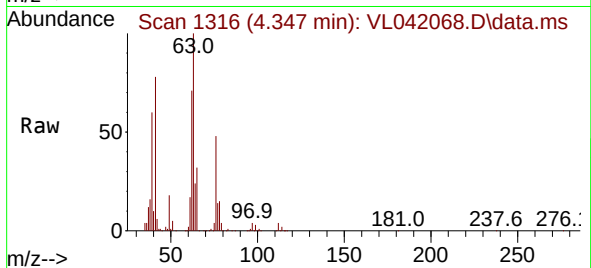
62 70.7 55.8 83.8

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 02/28/2025

Supervised By :Mahesh Dadoda 02/28/2025



#40

1,4-Dioxane

Concen: 9.499 ppbv

RT: 4.619 min Scan# 1400

Delta R.T. 0.009 min

Lab File: VL042068.D

Acq: 27 Feb 2025 11:25

Tgt Ion: 88 Resp: 64907

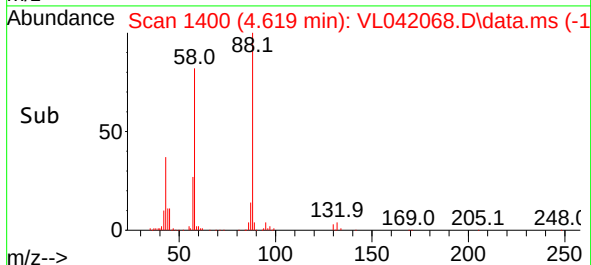
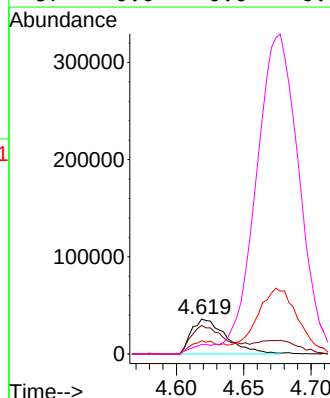
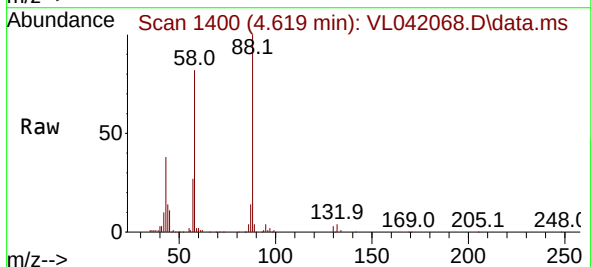
Ion Ratio Lower Upper

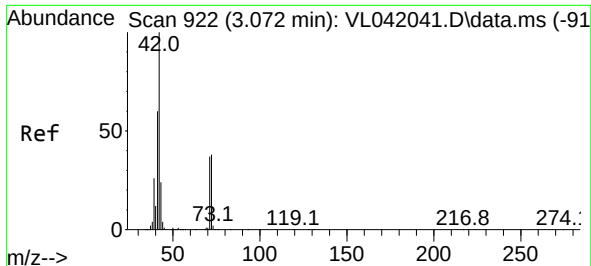
88 100

58 83.9 62.6 94.0

43 0.0 0.0 0.0

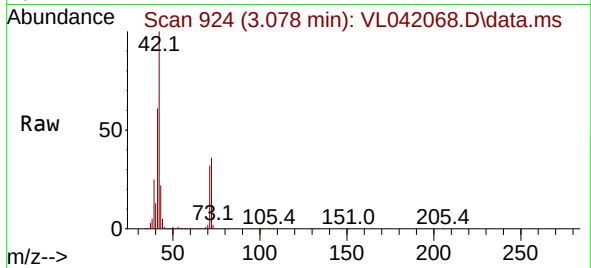
57 0.0 0.0 0.0





#41
Tetrahydrofuran
Concen: 10.886 ppbv
RT: 3.078 min Scan# 91
Delta R.T. 0.006 min
Lab File: VL042068.D
Acq: 27 Feb 2025 11:25

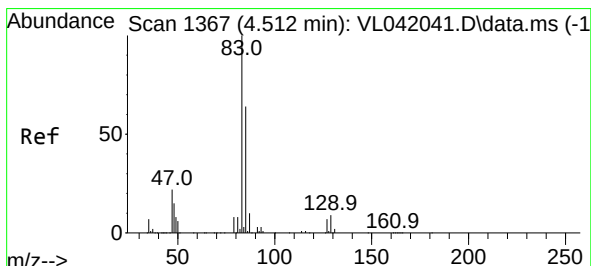
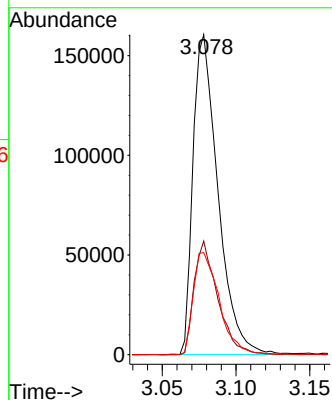
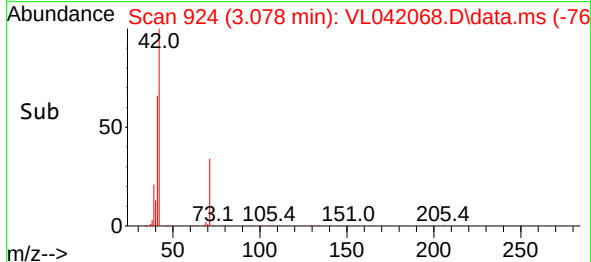
Instrument :
MSVOA_L
ClientSampleId :
VL0227ABS01



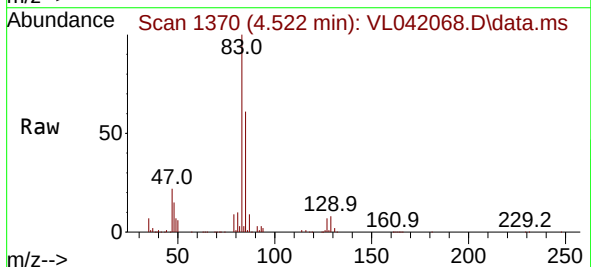
Tgt Ion: 42 Resp: 188776
Ion Ratio Lower Upper
42 100
72 33.9 30.2 45.2
71 33.4 28.2 42.4

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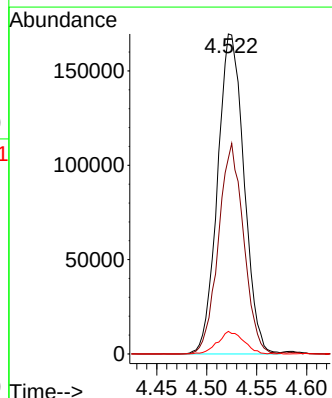
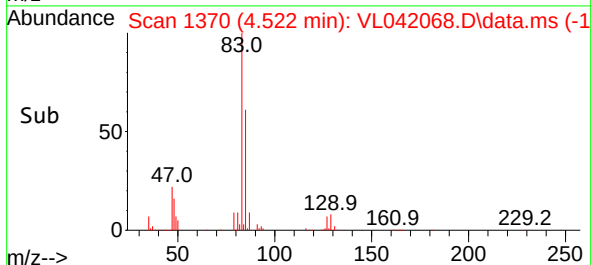
Reviewed By :Semsettin Yesilyurt 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

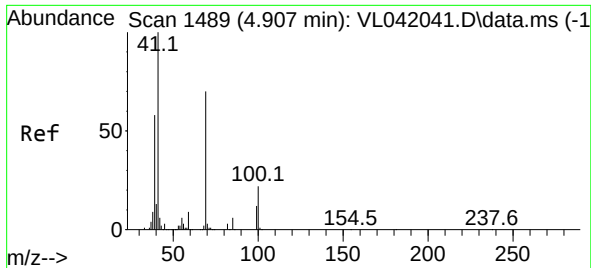


#42
Bromodichloromethane
Concen: 10.582 ppbv
RT: 4.522 min Scan# 1370
Delta R.T. 0.009 min
Lab File: VL042068.D
Acq: 27 Feb 2025 11:25



Tgt Ion: 83 Resp: 311726
Ion Ratio Lower Upper
83 100
85 61.1 51.4 77.2
127 7.1 5.8 8.6





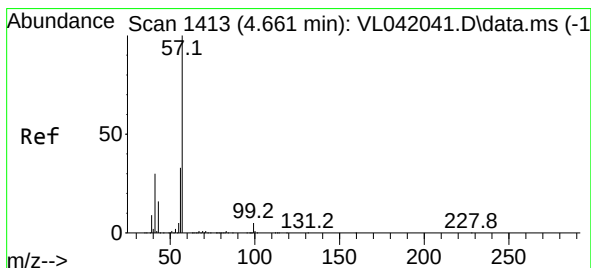
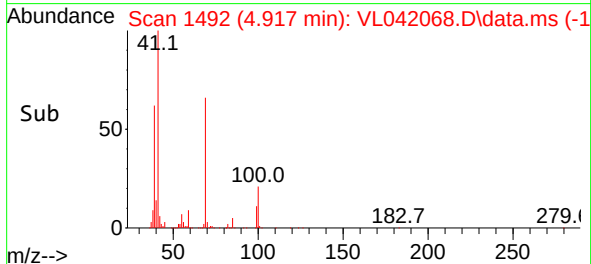
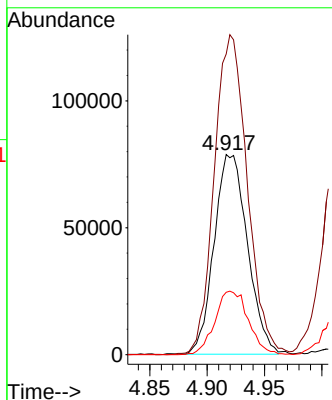
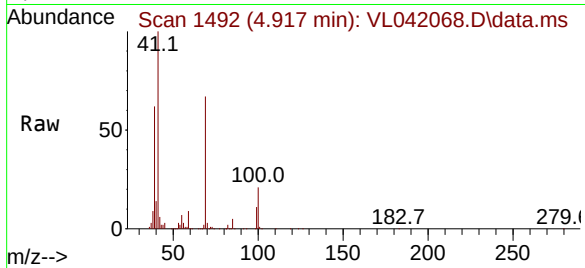
#43
Methyl Methacrylate
Concen: 10.335 ppbv
RT: 4.917 min Scan# 1492
Delta R.T. 0.009 min
Lab File: VL042068.D
Acq: 27 Feb 2025 11:25

Instrument :
MSVOA_L
ClientSampleId :
VL0227ABS01

Tgt Ion: 69 Resp: 159170
Ion Ratio Lower Upper
69 100
41 158.7 118.2 177.4
100 31.8 27.0 40.4

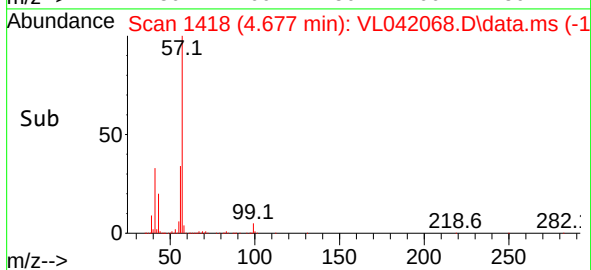
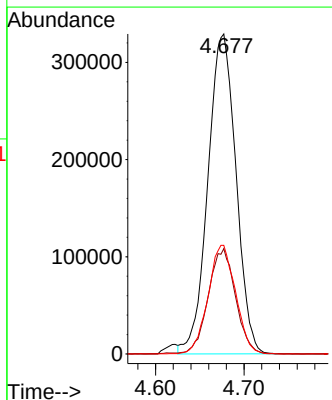
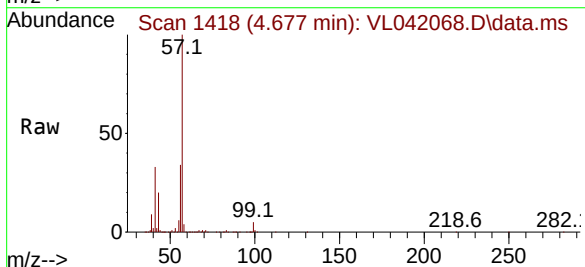
Manual Integrations
APPROVED

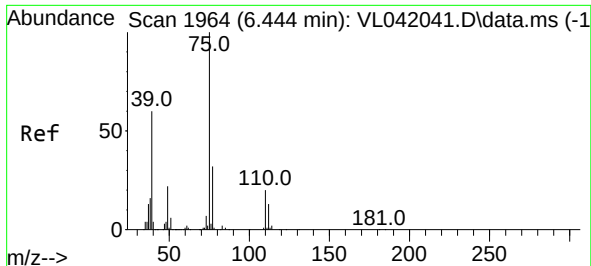
Reviewed By :Semsettin Yesilyurt 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#44
2,2,4-Trimethylpentane
Concen: 10.445 ppbv
RT: 4.677 min Scan# 1418
Delta R.T. 0.016 min
Lab File: VL042068.D
Acq: 27 Feb 2025 11:25

Tgt Ion: 57 Resp: 726970
Ion Ratio Lower Upper
57 100
41 32.1 24.4 36.6
56 33.2 26.5 39.7





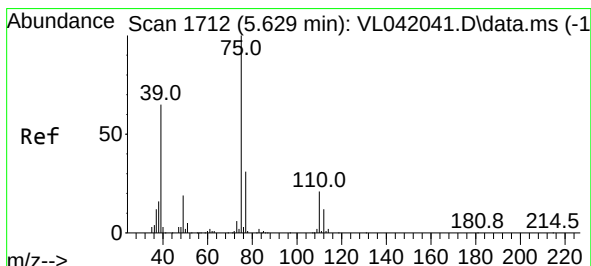
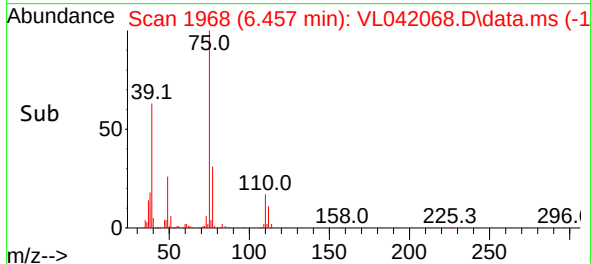
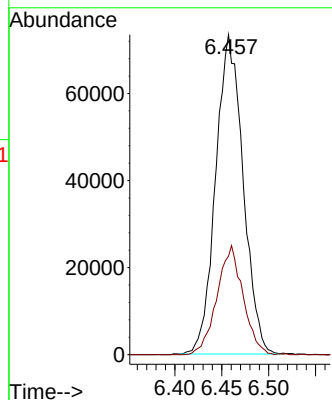
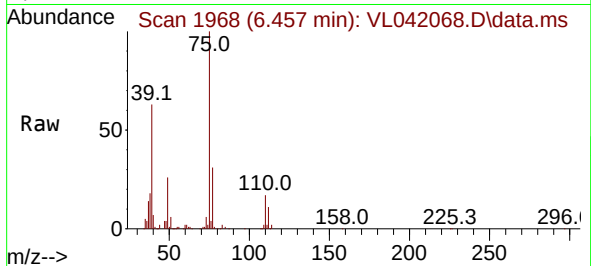
#45
 t-1,3-Dichloropropene
 Concen: 9.724 ppbv
 RT: 6.457 min Scan# 1964
 Delta R.T. 0.013 min
 Lab File: VL042068.D
 Acq: 27 Feb 2025 11:25

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0227ABS01

Tgt Ion: 75 Resp: 148784
 Ion Ratio Lower Upper
 75 100
 77 30.8 25.9 38.9

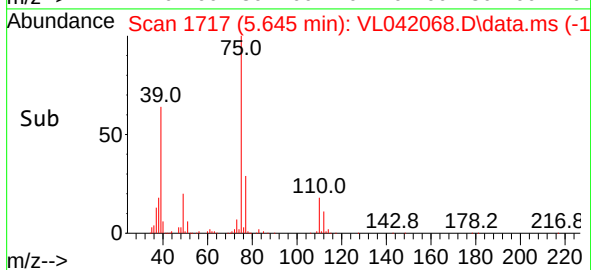
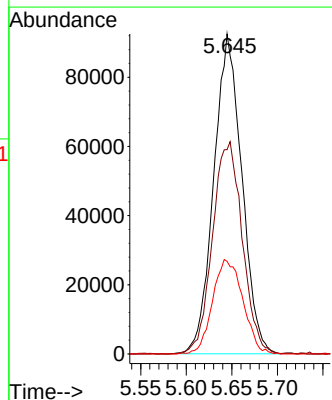
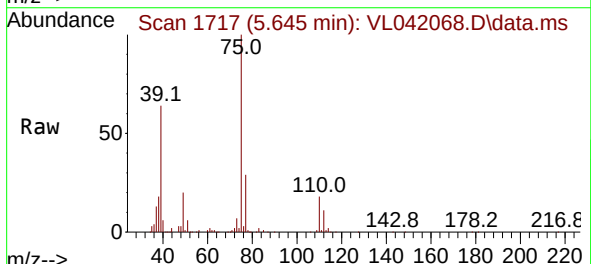
Manual Integrations
 APPROVED

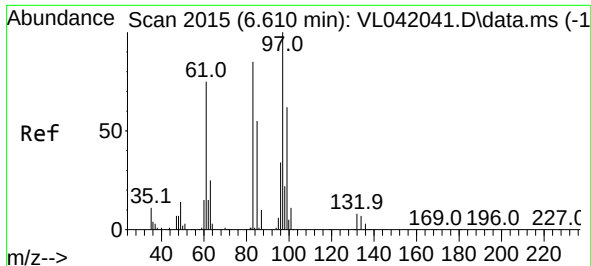
Reviewed By :Semsettin Yesilyurt 02/28/2025
 Supervised By :Mahesh Dadoda 02/28/2025



#46
 cis-1,3-Dichloropropene
 Concen: 9.989 ppbv
 RT: 5.645 min Scan# 1717
 Delta R.T. 0.016 min
 Lab File: VL042068.D
 Acq: 27 Feb 2025 11:25

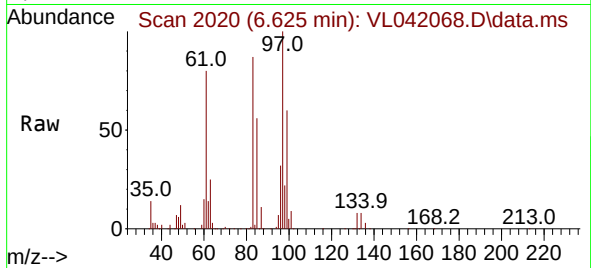
Tgt Ion: 75 Resp: 197788
 Ion Ratio Lower Upper
 75 100
 39 63.7 51.9 77.9
 77 28.9 24.9 37.3





#47
1,1,2-Trichloroethane
Concen: 9.952 ppbv
RT: 6.625 min Scan# 2015
Delta R.T. 0.016 min
Lab File: VL042068.D
Acq: 27 Feb 2025 11:25

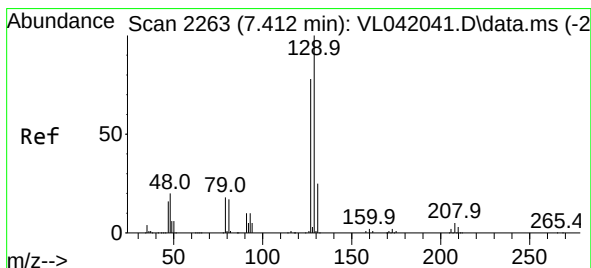
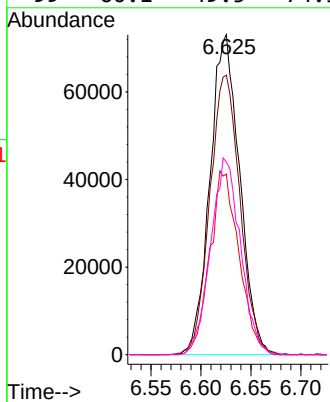
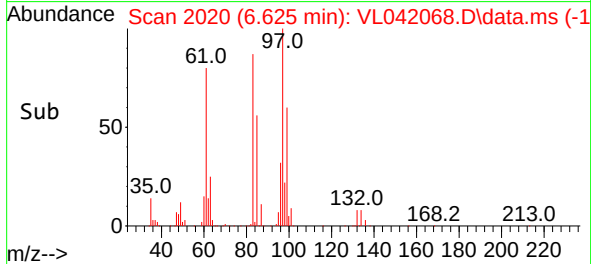
Instrument :
MSVOA_L
ClientSampleId :
VL0227ABS01



Tgt Ion: 97 Resp: 151230
Ion Ratio Lower Upper
97 100
83 87.0 68.1 102.1
85 56.5 44.0 66.0
99 60.1 49.5 74.3

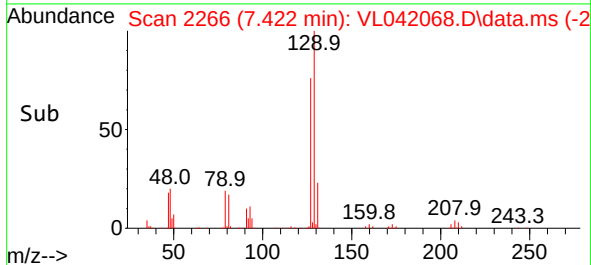
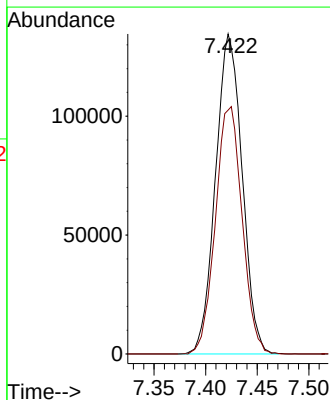
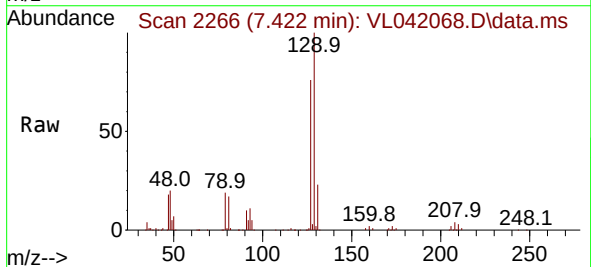
Manual Integrations
APPROVED

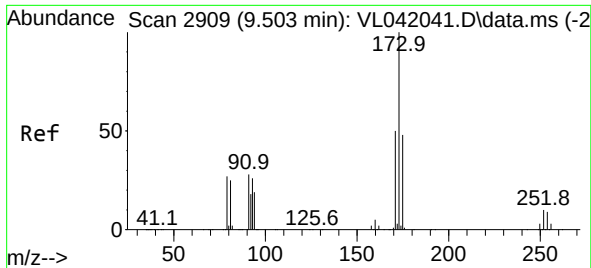
Reviewed By :Semsettin Yesilyurt 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#48
Dibromochloromethane
Concen: 10.157 ppbv
RT: 7.422 min Scan# 2266
Delta R.T. 0.009 min
Lab File: VL042068.D
Acq: 27 Feb 2025 11:25

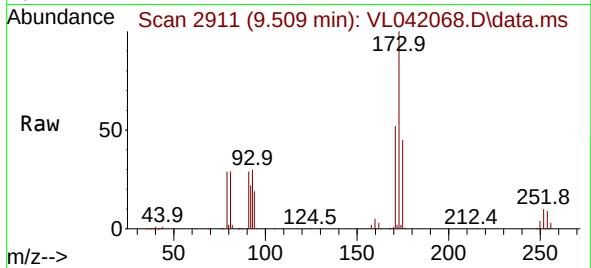
Tgt Ion:129 Resp: 241737
Ion Ratio Lower Upper
129 100
127 77.6 38.6 115.8





#49
Bromoform
Concen: 10.100 ppbv
RT: 9.509 min Scan# 2909
Delta R.T. 0.006 min
Lab File: VL042068.D
Acq: 27 Feb 2025 11:25

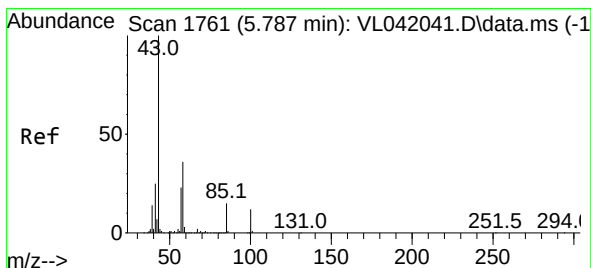
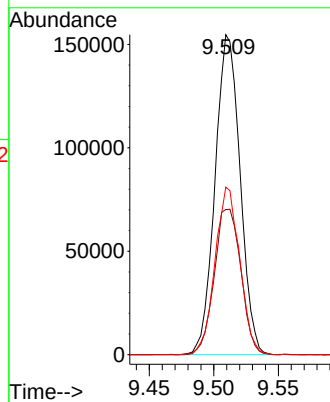
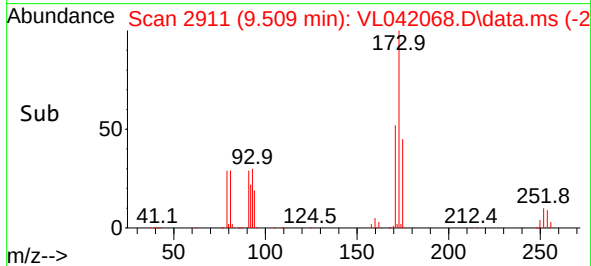
Instrument :
MSVOA_L
ClientSampleId :
VL0227ABS01



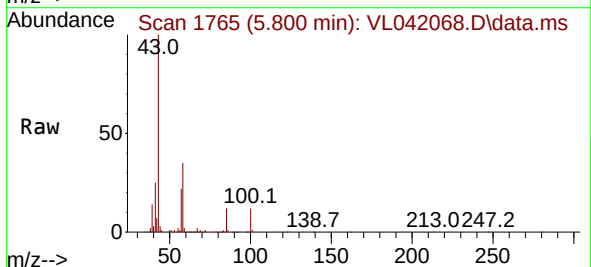
Tgt Ion: 173 Resp: 208752
Ion Ratio Lower Upper
173 100
175 48.4 38.3 57.5
171 51.7 40.2 60.2

Manual Integrations
APPROVED

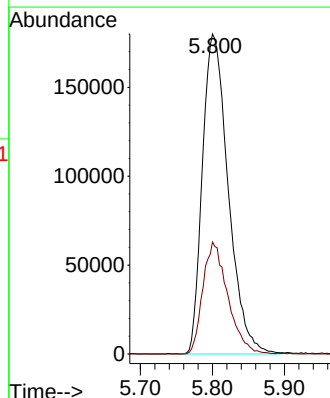
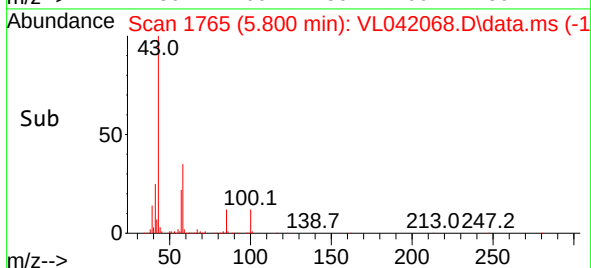
Reviewed By :Semsettin Yesilyurt 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

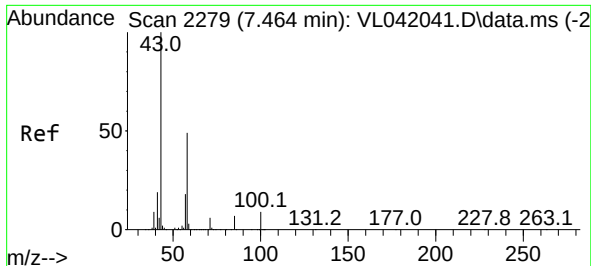


#50
4-Methyl-2-Pentanone
Concen: 11.804 ppbv
RT: 5.800 min Scan# 1765
Delta R.T. 0.013 min
Lab File: VL042068.D
Acq: 27 Feb 2025 11:25



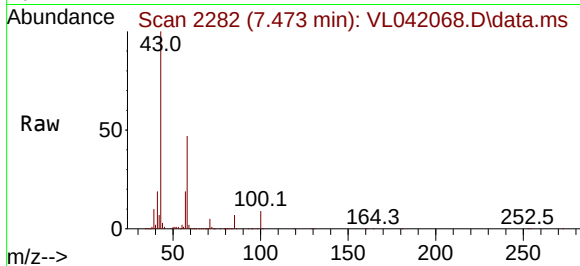
Tgt Ion: 43 Resp: 448045
Ion Ratio Lower Upper
43 100
58 33.8 29.3 43.9





#51
2-Hexanone
Concen: 13.905 ppbv
RT: 7.473 min Scan# 21
Delta R.T. 0.009 min
Lab File: VL042068.D
Acq: 27 Feb 2025 11:25

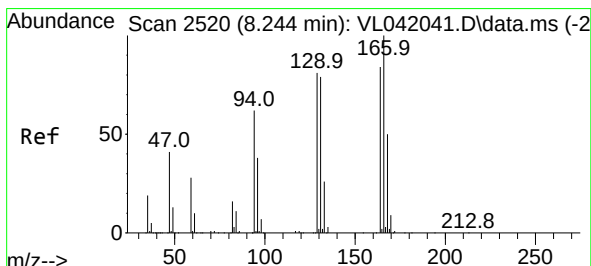
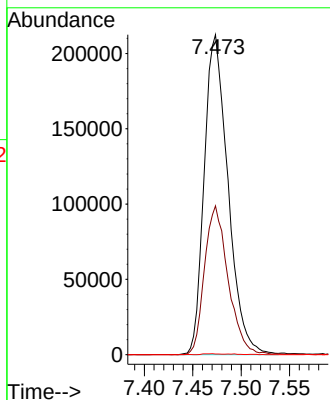
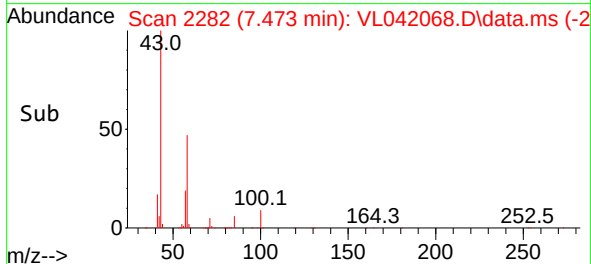
Instrument :
MSVOA_L
ClientSampleId :
VL0227ABS01



Tgt Ion: 43 Resp: 363250
Ion Ratio Lower Upper
43 100
58 46.3 39.0 58.6
98 0.4 0.1 0.1

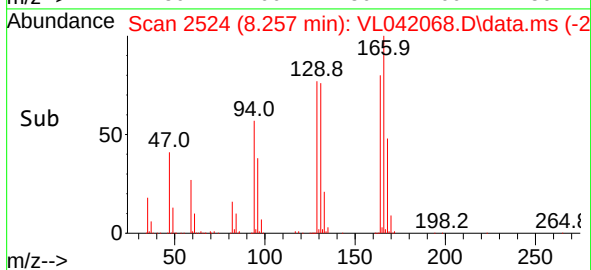
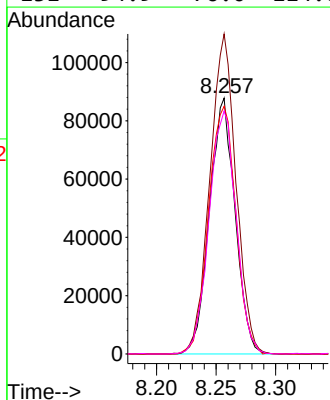
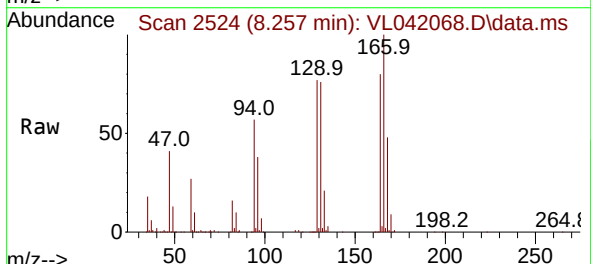
Manual Integrations
APPROVED

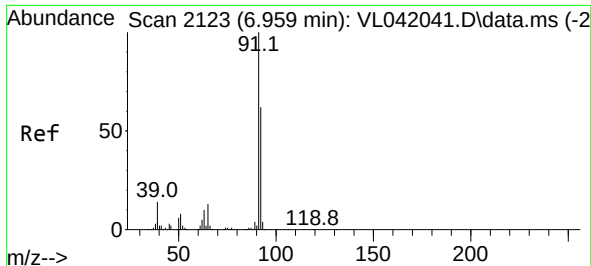
Reviewed By :Semsettin Yesilyurt 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#52
Tetrachloroethene
Concen: 9.708 ppbv
RT: 8.257 min Scan# 2524
Delta R.T. 0.013 min
Lab File: VL042068.D
Acq: 27 Feb 2025 11:25

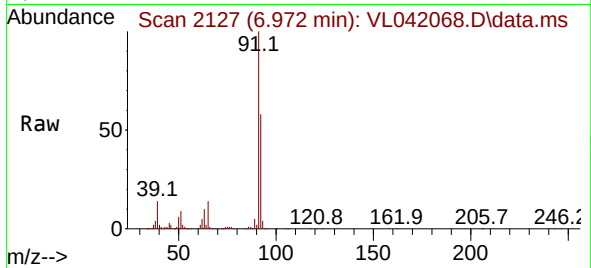
Tgt Ion:164 Resp: 131063
Ion Ratio Lower Upper
164 100
166 125.0 95.7 143.5
129 96.7 77.1 115.7
131 94.9 76.0 114.0





#53
Toluene
Concen: 9.965 ppbv
RT: 6.972 min Scan# 2127
Delta R.T. 0.013 min
Lab File: VL042068.D
Acq: 27 Feb 2025 11:25

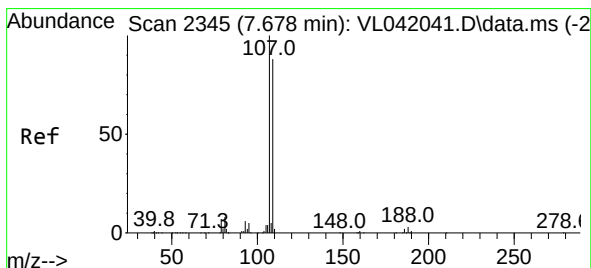
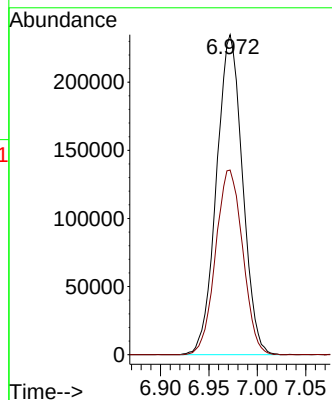
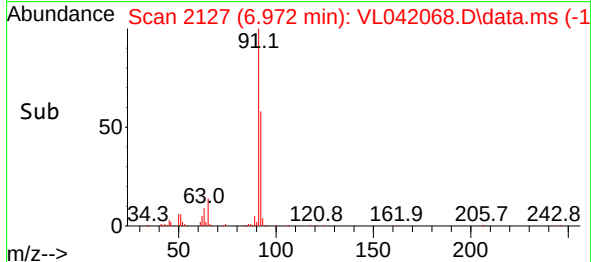
Instrument :
MSVOA_L
ClientSampleId :
VL0227ABS01



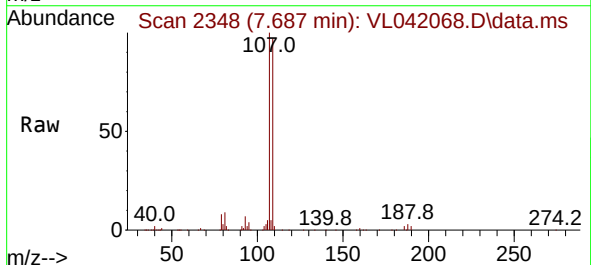
Tgt Ion: 91 Resp: 43919
Ion Ratio Lower Upper
91 100
92 60.2 49.0 73.6

Manual Integrations
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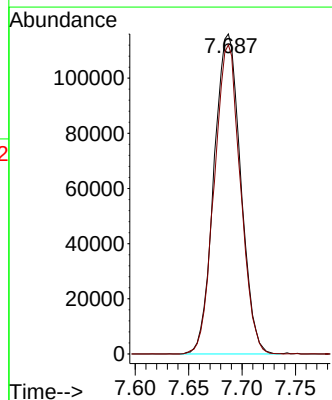
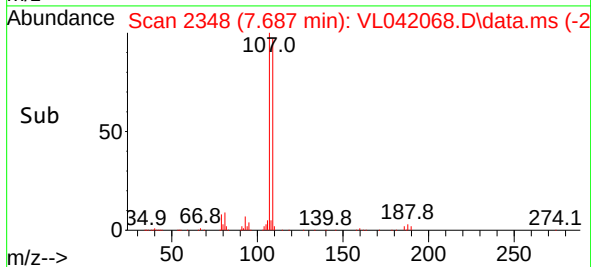
Reviewed By :Semsettin Yesilyurt 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

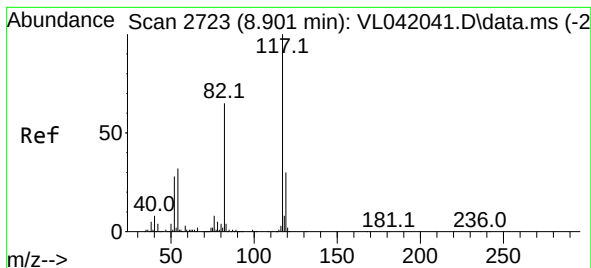


#54
1,2-Dibromoethane
Concen: 9.801 ppbv
RT: 7.687 min Scan# 2348
Delta R.T. 0.009 min
Lab File: VL042068.D
Acq: 27 Feb 2025 11:25



Tgt Ion:107 Resp: 201354
Ion Ratio Lower Upper
107 100
109 96.6 70.2 105.4





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.911 min Scan# 21

Delta R.T. 0.009 min

Lab File: VL042068.D

Acq: 27 Feb 2025 11:25

Instrument :

MSVOA_L

ClientSampleId :

VL0227ABS01

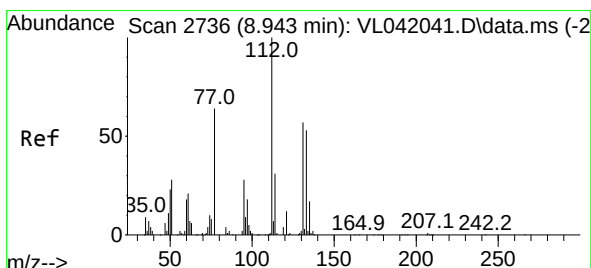
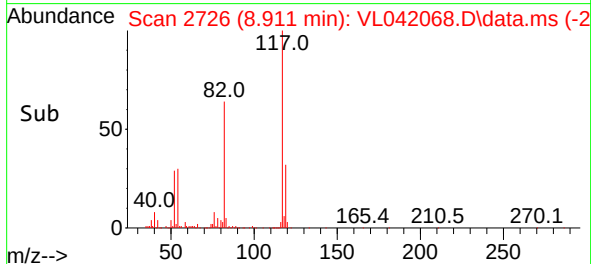
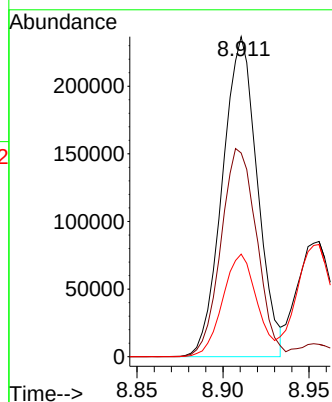
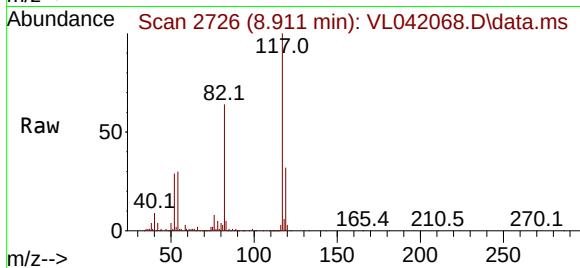
Tgt Ion:117 Resp: 33424

Ion	Ratio	Lower	Upper
117	100		
82	70.7	55.0	82.6
119	30.7	25.9	38.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#56

1,1,1,2-Tetrachloroethane

Concen: 9.794 ppbv

RT: 8.953 min Scan# 2739

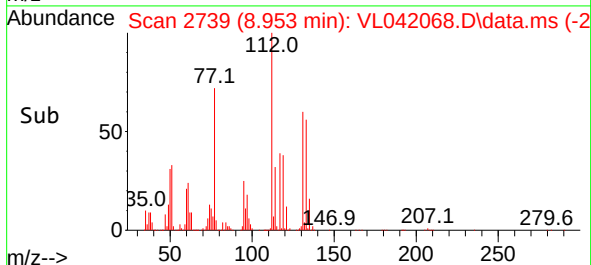
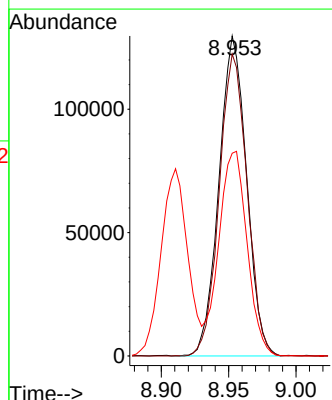
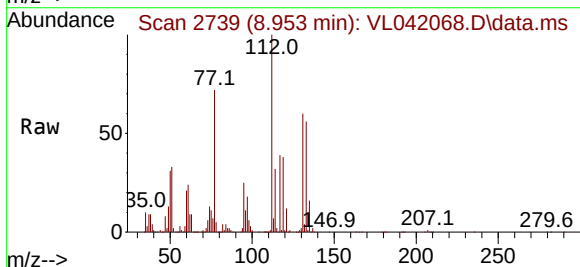
Delta R.T. 0.009 min

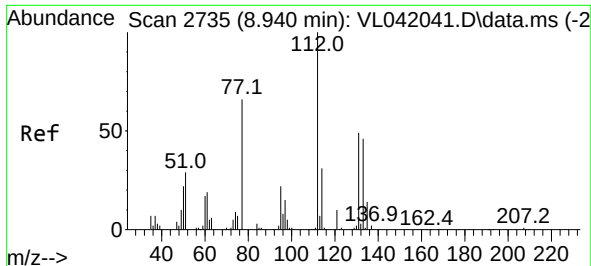
Lab File: VL042068.D

Acq: 27 Feb 2025 11:25

Tgt Ion:131 Resp: 185028

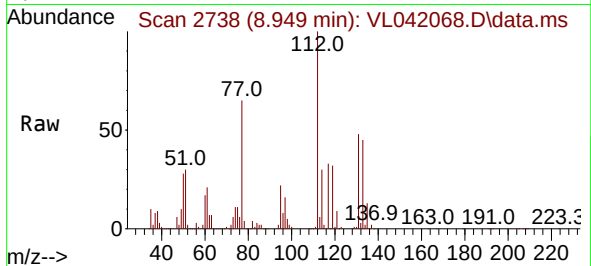
Ion	Ratio	Lower	Upper
131	100		
133	95.1	75.8	113.8
119	66.9	52.1	78.1





#57
Chlorobenzene
Concen: 9.700 ppbv
RT: 8.949 min Scan# 21
Delta R.T. 0.009 min
Lab File: VL042068.D
Acq: 27 Feb 2025 11:25

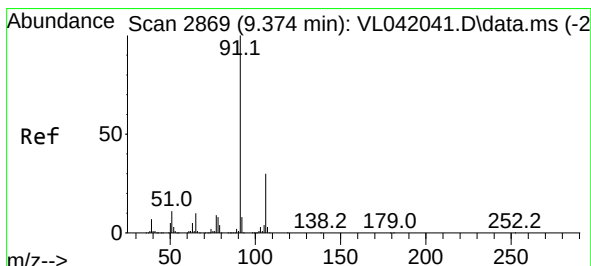
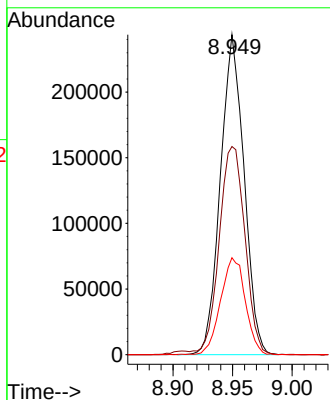
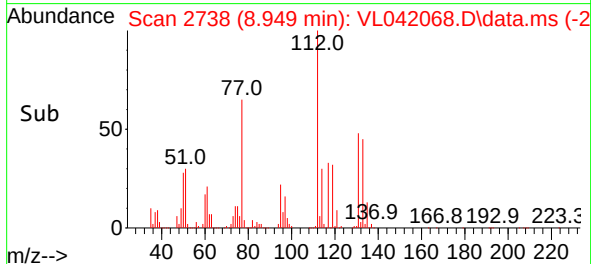
Instrument :
MSVOA_L
ClientSampleId :
VL0227ABS01



Tgt Ion: 112 Resp: 336164
Ion Ratio Lower Upper
112 100
77 65.0 53.4 80.2
114 30.3 28.3 34.5

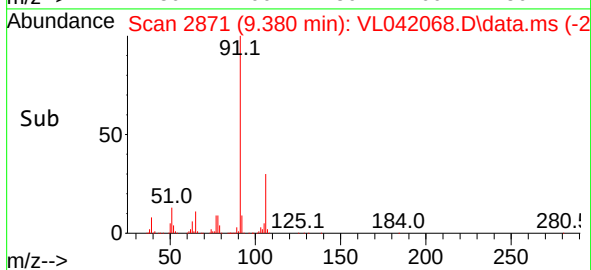
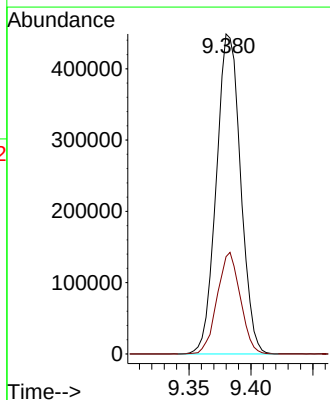
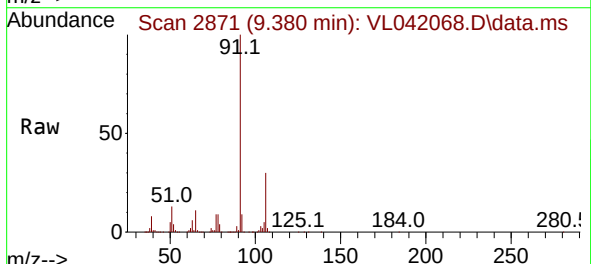
Manual Integrations
APPROVED

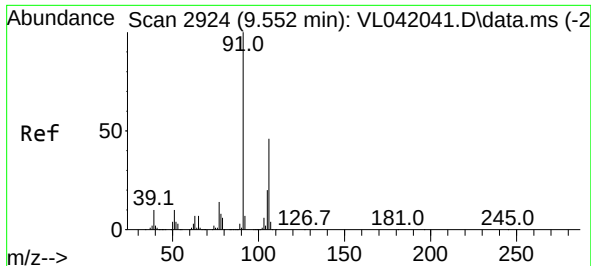
Reviewed By :Semsettin Yesilyurt 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#58
Ethyl Benzene
Concen: 9.957 ppbv
RT: 9.380 min Scan# 2871
Delta R.T. 0.006 min
Lab File: VL042068.D
Acq: 27 Feb 2025 11:25

Tgt Ion: 91 Resp: 612879
Ion Ratio Lower Upper
91 100
106 30.4 24.2 36.2





#59

m/p-Xylene

Concen: 20.132 ppbv m

RT: 9.577 min Scan# 2924

Delta R.T. 0.026 min

Lab File: VL042068.D

Acq: 27 Feb 2025 11:25

Instrument :

MSVOA_L

ClientSampleId :

VL0227ABS01

Tgt Ion: 91 Resp: 986159

Ion Ratio Lower Upper

91 100

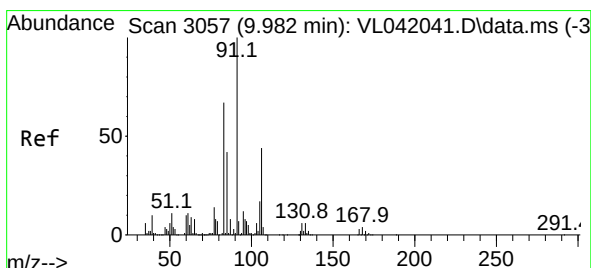
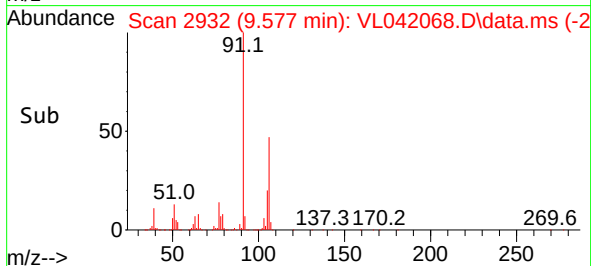
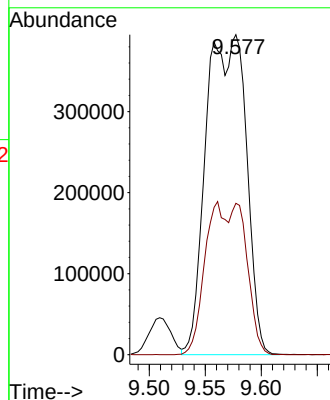
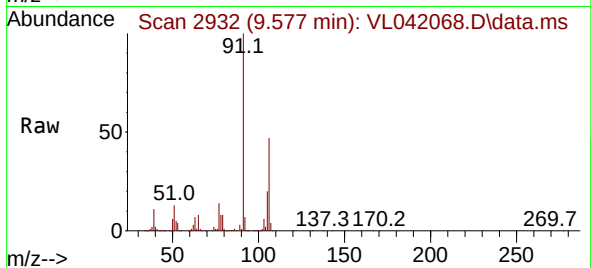
106 47.3 0.0 0.0

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 02/28/2025

Supervised By :Mahesh Dadoda 02/28/2025



#60

o-Xylene

Concen: 10.061 ppbv

RT: 9.988 min Scan# 3059

Delta R.T. 0.006 min

Lab File: VL042068.D

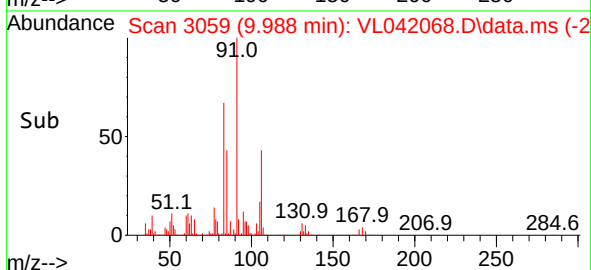
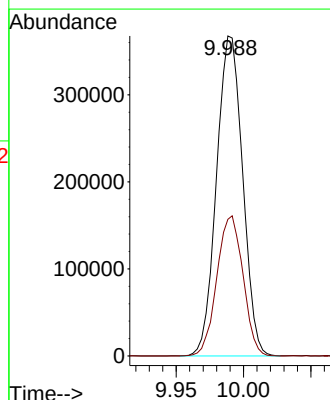
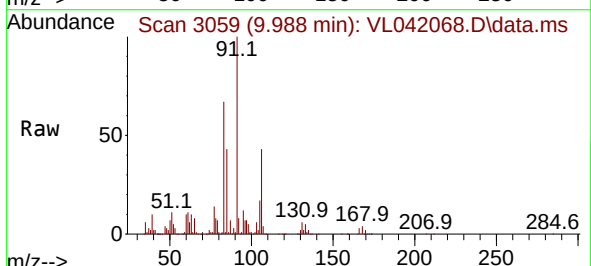
Acq: 27 Feb 2025 11:25

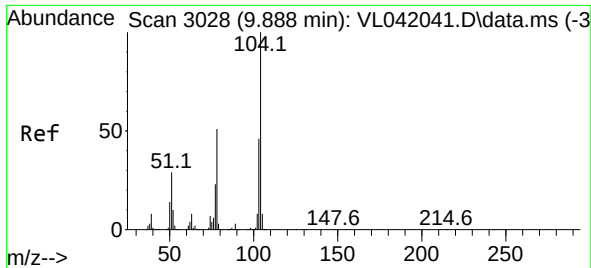
Tgt Ion: 91 Resp: 495449

Ion Ratio Lower Upper

91 100

106 43.8 22.3 66.8





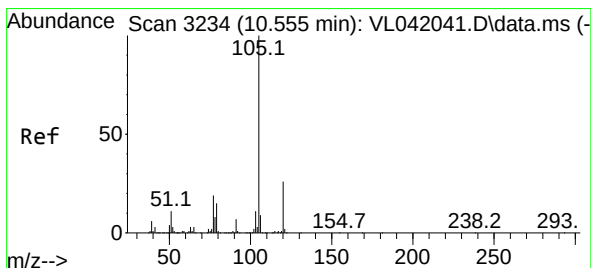
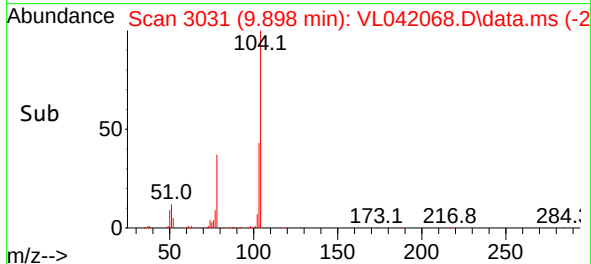
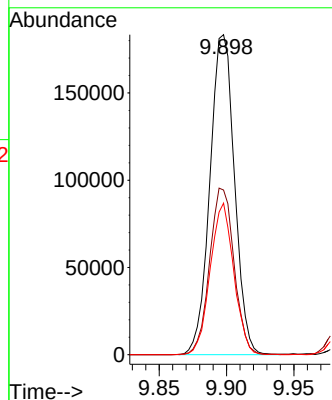
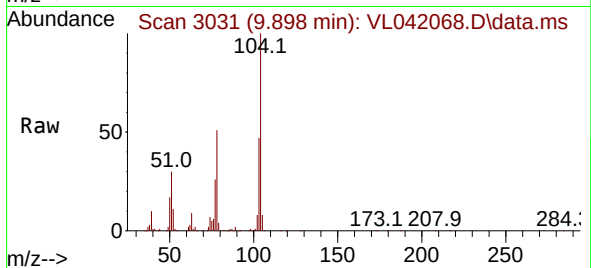
#61
Styrene
Concen: 10.069 ppbv
RT: 9.898 min Scan# 3028
Delta R.T. 0.009 min
Lab File: VL042068.D
Acq: 27 Feb 2025 11:25

Instrument :
MSVOA_L
ClientSampleId :
VL0227ABS01

Tgt Ion:104 Resp: 23312
Ion Ratio Lower Upper
104 100
78 51.8 41.0 61.4
103 45.5 37.0 55.6

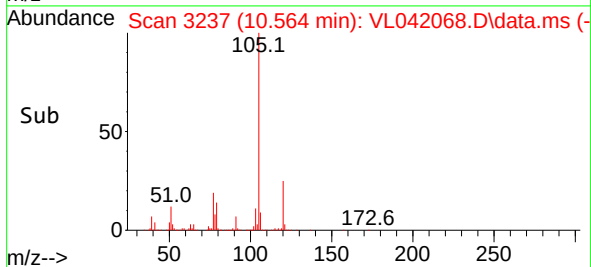
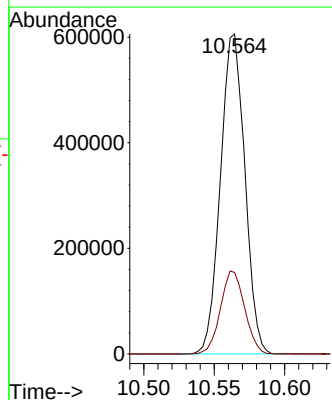
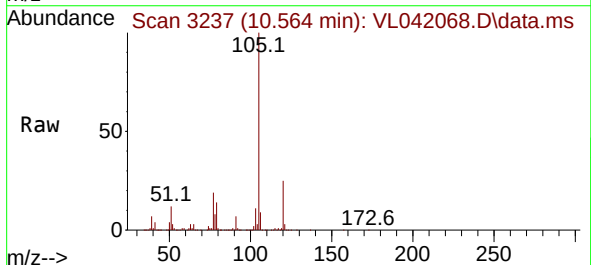
Manual Integrations
APPROVED

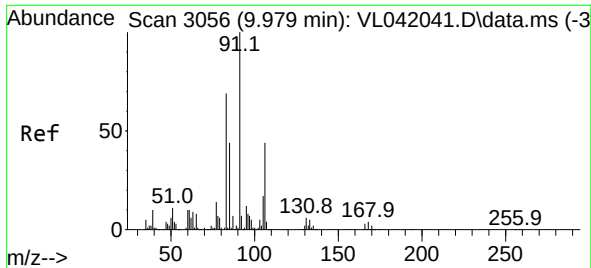
Reviewed By :Semsettin Yesilyurt 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#62
Isopropylbenzene
Concen: 9.933 ppbv
RT: 10.564 min Scan# 3237
Delta R.T. 0.009 min
Lab File: VL042068.D
Acq: 27 Feb 2025 11:25

Tgt Ion:105 Resp: 732584
Ion Ratio Lower Upper
105 100
120 25.6 20.7 31.1





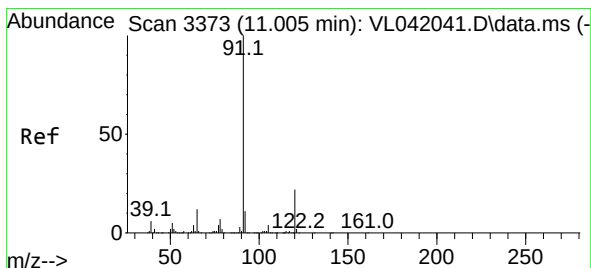
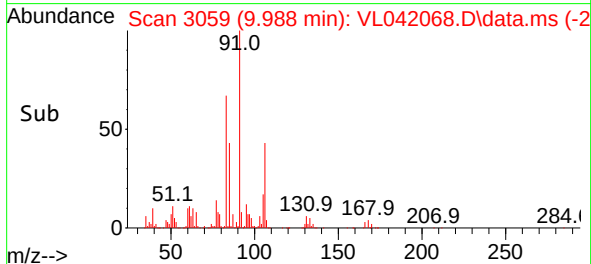
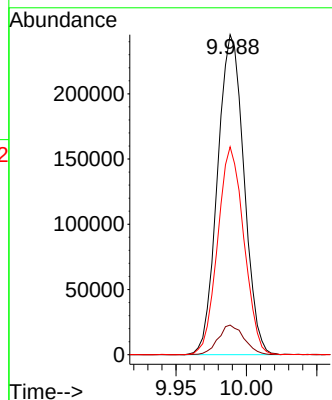
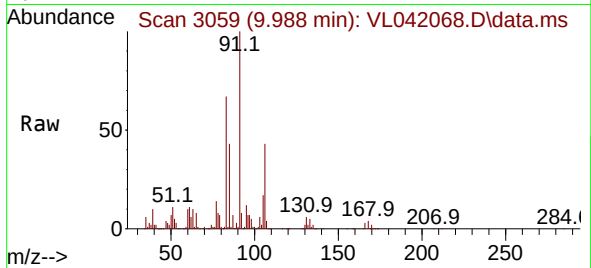
#63
1,1,2,2-Tetrachloroethane
Concen: 9.899 ppbv
RT: 9.988 min Scan# 3056
Delta R.T. 0.009 min
Lab File: VL042068.D
Acq: 27 Feb 2025 11:25

Instrument :
MSVOA_L
ClientSampleId :
VL0227ABS01

Tgt Ion: 83 Resp: 321030
Ion Ratio Lower Upper
83 100
131 9.2 4.5 13.7
85 64.4 32.1 96.3

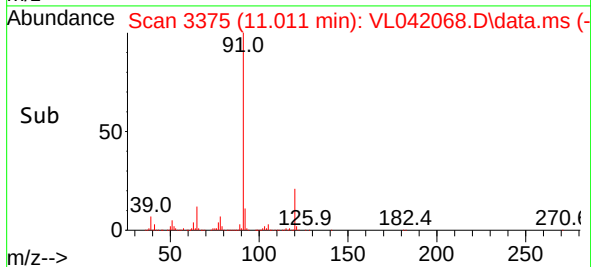
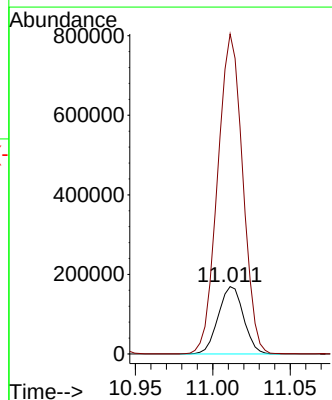
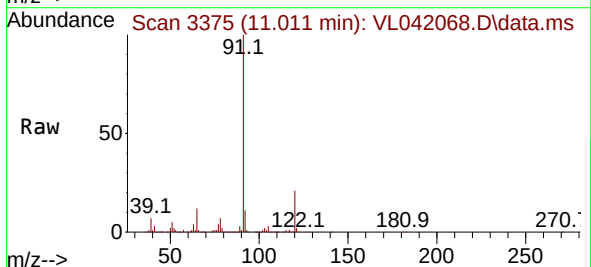
Manual Integrations
APPROVED

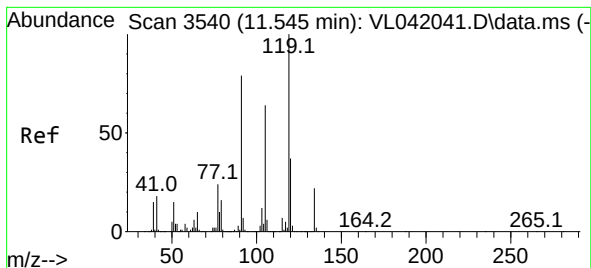
Reviewed By :Semsettin Yesilyurt 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#64
n-propylbenzene
Concen: 9.918 ppbv
RT: 11.011 min Scan# 3375
Delta R.T. 0.006 min
Lab File: VL042068.D
Acq: 27 Feb 2025 11:25

Tgt Ion:120 Resp: 191865
Ion Ratio Lower Upper
120 100
91 473.9 370.6 556.0





#65

tert-Butylbenzene

Concen: 9.719 ppbv

RT: 11.552 min Scan# 3542

Delta R.T. 0.006 min

Lab File: VL042068.D

Acq: 27 Feb 2025 11:25

Instrument :

MSVOA_L

ClientSampleId :

VL0227ABS01

Tgt Ion:119 Resp: 652374

Ion Ratio Lower Upper

119 100

91 81.2 64.2 96.2

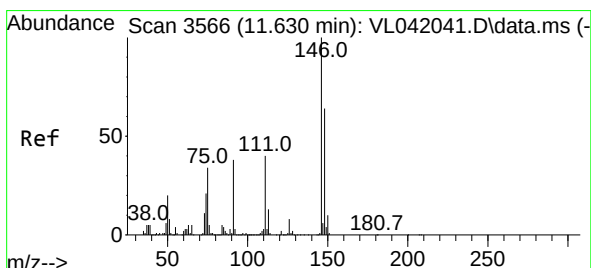
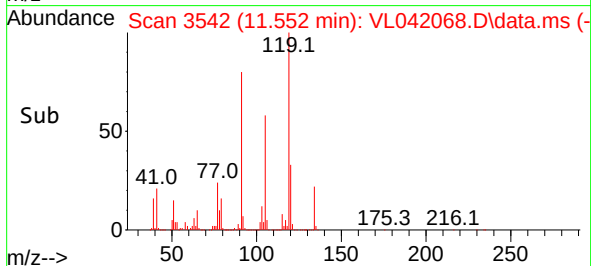
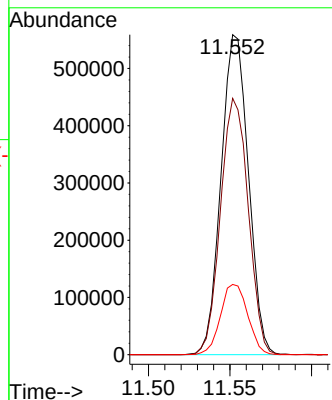
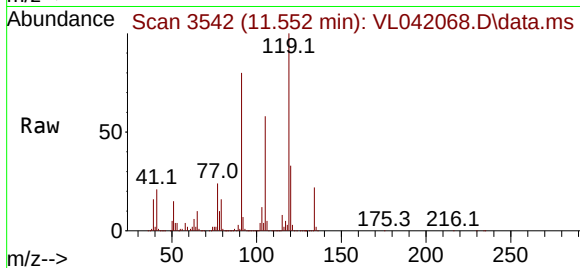
134 21.9 17.4 26.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/28/2025

Supervised By :Mahesh Dadoda 02/28/2025



#66

Benzyl Chloride

Concen: 8.381 ppbv

RT: 11.639 min Scan# 3569

Delta R.T. 0.009 min

Lab File: VL042068.D

Acq: 27 Feb 2025 11:25

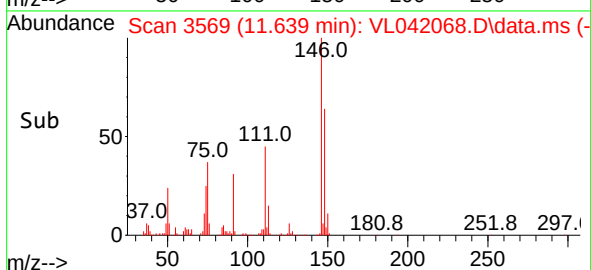
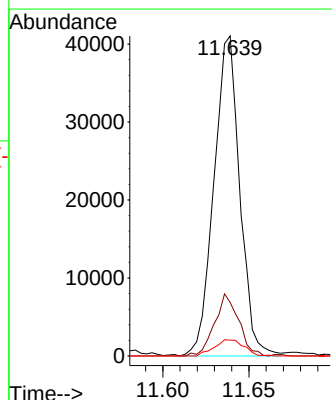
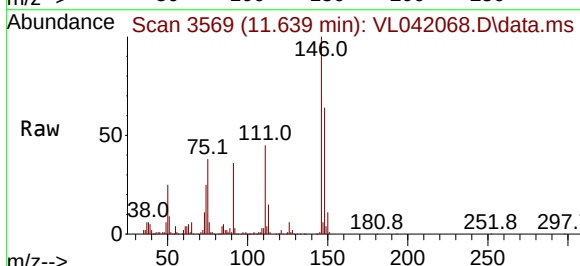
Tgt Ion: 91 Resp: 42928

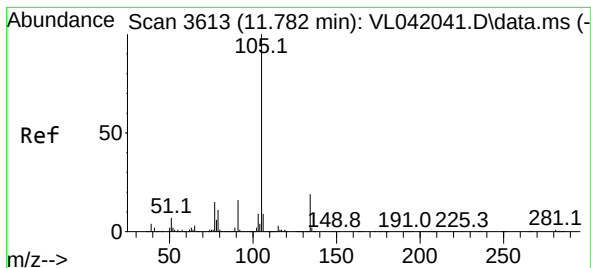
Ion Ratio Lower Upper

91 100

126 18.2 14.5 21.7

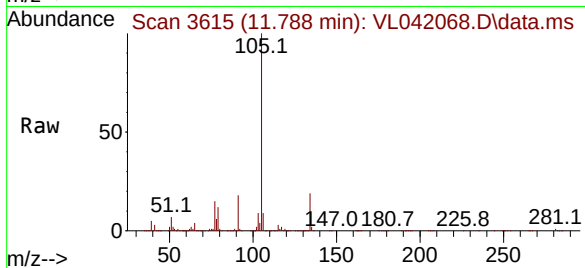
128 5.8 5.4 8.2





#67
 sec-Butylbenzene
 Concen: 9.821 ppbv
 RT: 11.788 min Scan# 3615
 Delta R.T. 0.006 min
 Lab File: VL042068.D
 Acq: 27 Feb 2025 11:25

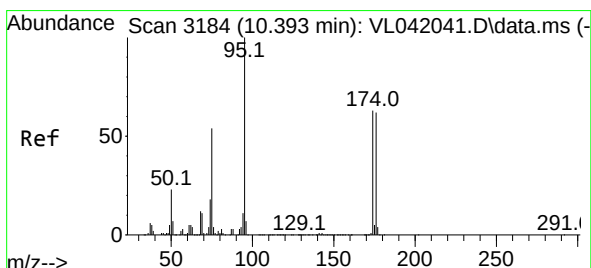
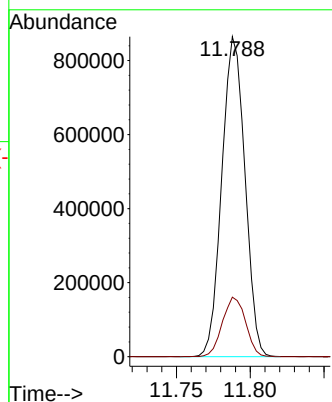
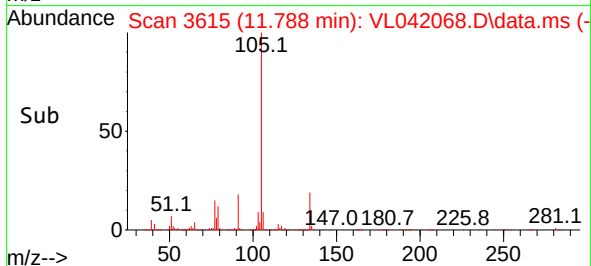
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0227ABS01



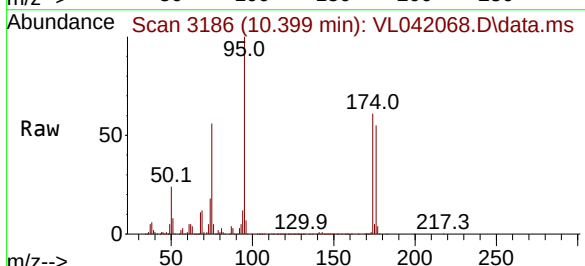
Tgt Ion:105 Resp: 94275
 Ion Ratio Lower Upper
 105 100
 134 18.7 14.9 22.3

Manual Integrations
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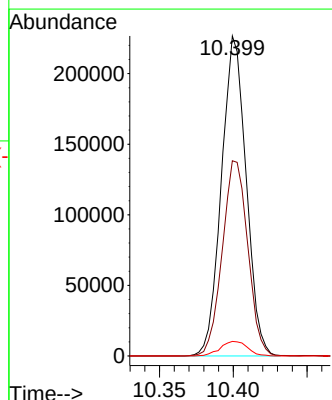
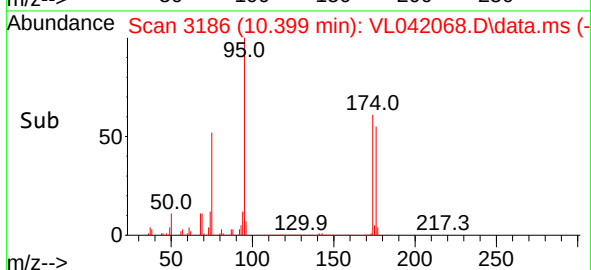
Reviewed By :Semsettin Yesilyurt 02/28/2025
 Supervised By :Mahesh Dadoda 02/28/2025

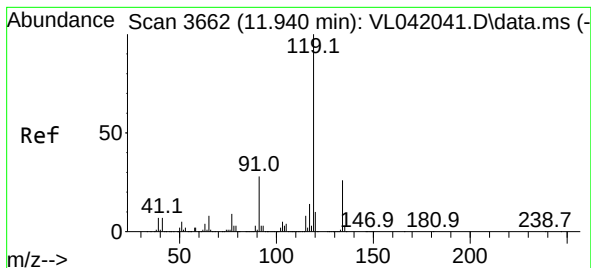


#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.275 ppbv
 RT: 10.399 min Scan# 3186
 Delta R.T. 0.006 min
 Lab File: VL042068.D
 Acq: 27 Feb 2025 11:25



Tgt Ion: 95 Resp: 264206
 Ion Ratio Lower Upper
 95 100
 174 63.0 51.8 77.6
 175 5.0 3.9 5.9





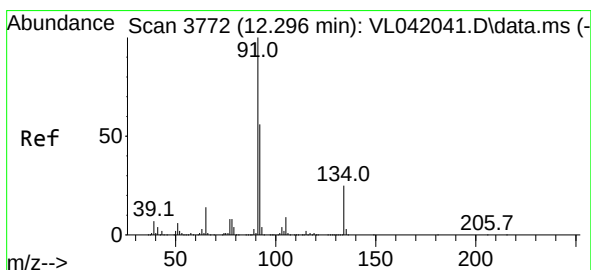
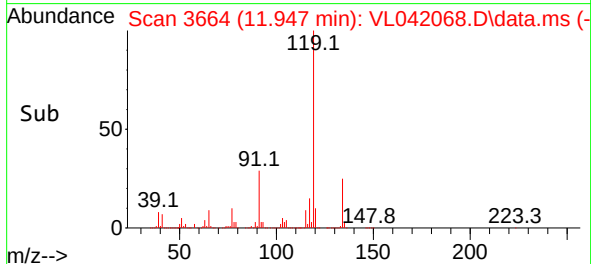
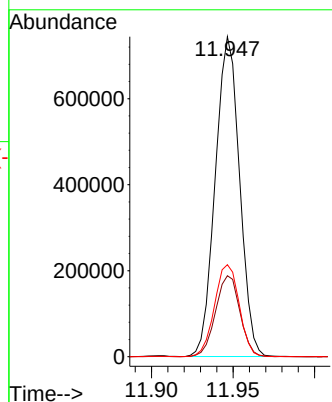
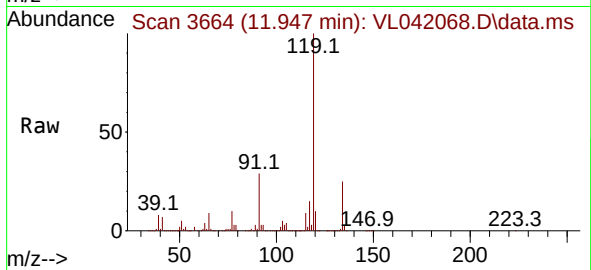
#69
p-Isopropyltoluene
Concen: 10.091 ppbv
RT: 11.947 min Scan# 3664
Delta R.T. 0.006 min
Lab File: VL042068.D
Acq: 27 Feb 2025 11:25

Instrument :
MSVOA_L
ClientSampleId :
VL0227ABS01

Tgt Ion:119 Resp: 770654
Ion Ratio Lower Upper
119 100
134 25.5 20.9 31.3
91 29.4 23.1 34.7

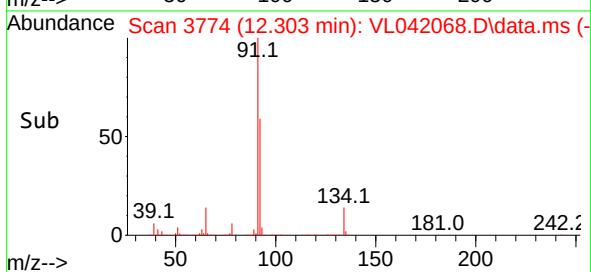
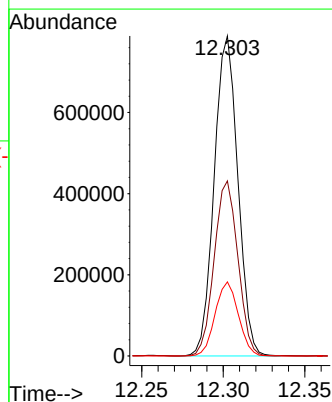
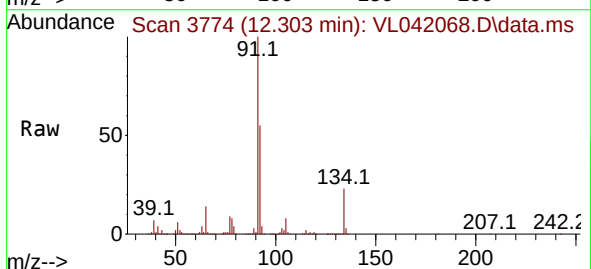
Manual Integrations
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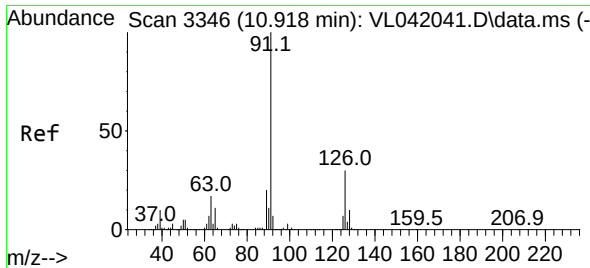
Reviewed By :Semsettin Yesilyurt 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#70
n-Butylbenzene
Concen: 10.185 ppbv
RT: 12.303 min Scan# 3774
Delta R.T. 0.006 min
Lab File: VL042068.D
Acq: 27 Feb 2025 11:25

Tgt Ion: 91 Resp: 794021
Ion Ratio Lower Upper
91 100
92 55.0 44.7 67.1
134 22.8 18.9 28.3





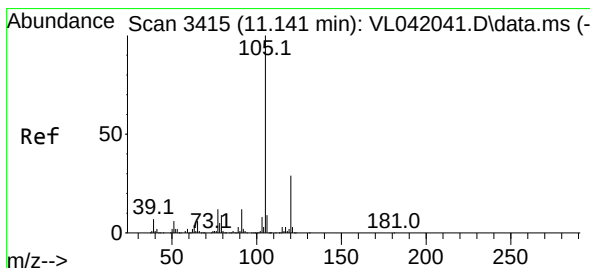
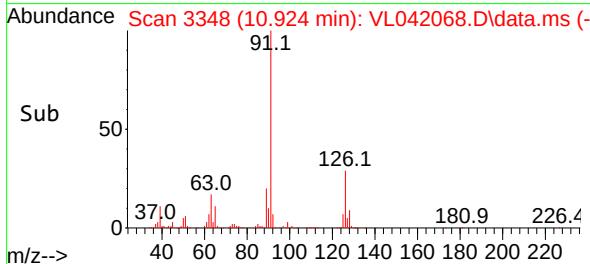
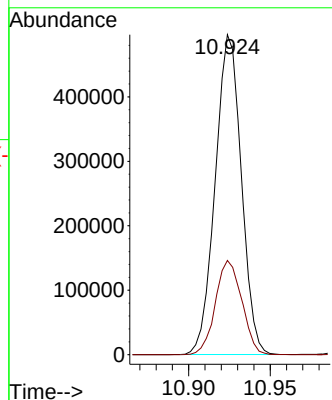
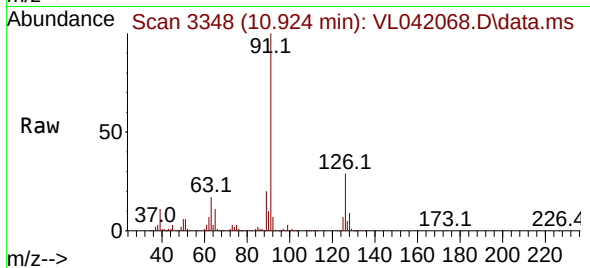
#71
2-Chlorotoluene
Concen: 9.705 ppbv
RT: 10.924 min Scan# 31
Delta R.T. 0.006 min
Lab File: VL042068.D
Acq: 27 Feb 2025 11:25

Instrument :
MSVOA_L
ClientSampleId :
VL0227ABS01

Tgt Ion: 91 Resp: 551772
Ion Ratio Lower Upper
91 100
126 29.8 11.9 47.5

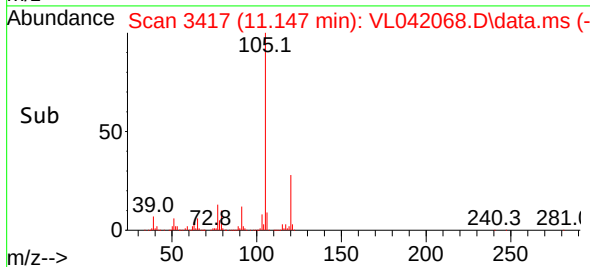
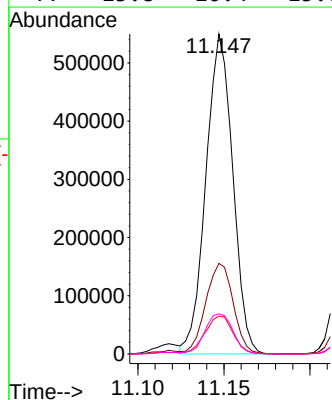
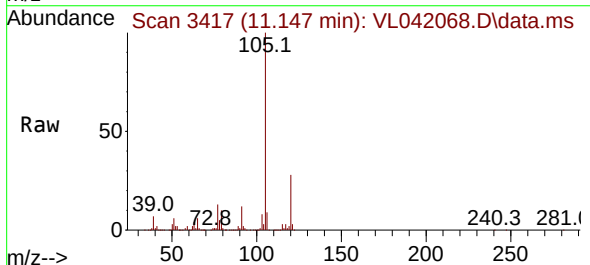
Manual Integrations
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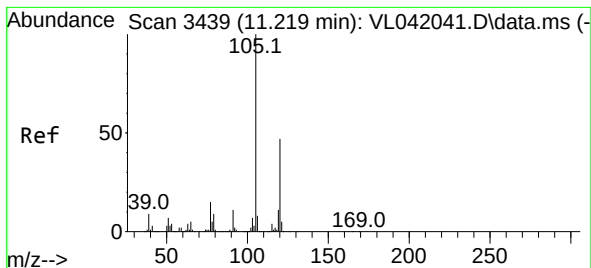
Reviewed By :Semsettin Yesilyurt 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#72
4-Ethyltoluene
Concen: 9.910 ppbv
RT: 11.147 min Scan# 3417
Delta R.T. 0.006 min
Lab File: VL042068.D
Acq: 27 Feb 2025 11:25

Tgt Ion:105 Resp: 595865
Ion Ratio Lower Upper
105 100
120 30.0 24.1 36.1
91 12.9 10.2 15.4
77 13.8 10.4 15.6





#73

1,3,5-Trimethylbenzene

Concen: 9.717 ppbv

RT: 11.225 min Scan# 3441

Delta R.T. 0.006 min

Lab File: VL042068.D

Acq: 27 Feb 2025 11:25

Instrument :

MSVOA_L

ClientSampleId :

VL0227ABS01

Tgt Ion:105 Resp: 50681

Ion Ratio Lower Upper

105 100

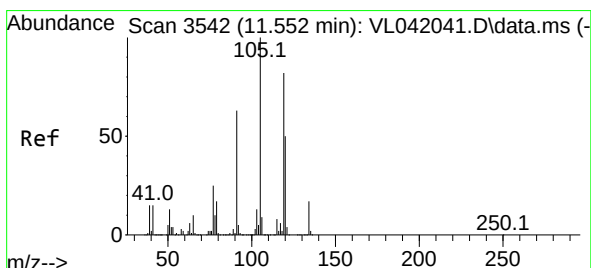
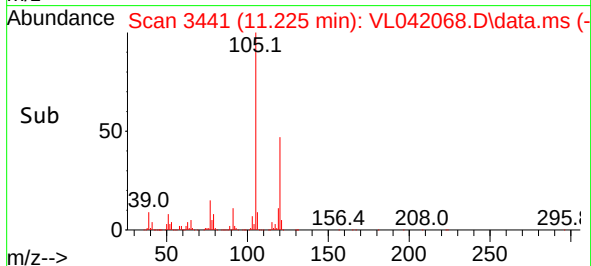
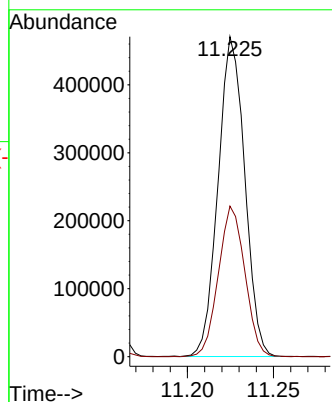
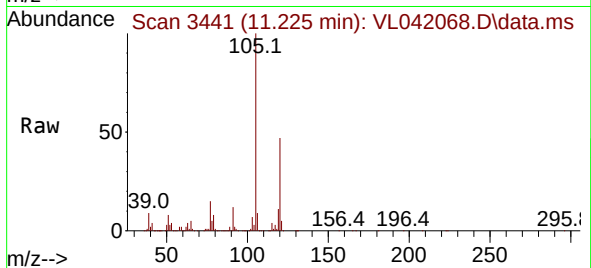
120 47.1 37.4 56.0

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 02/28/2025

Supervised By :Mahesh Dadoda 02/28/2025



#74

1,2,4-Trimethylbenzene

Concen: 9.450 ppbv

RT: 11.558 min Scan# 3544

Delta R.T. 0.006 min

Lab File: VL042068.D

Acq: 27 Feb 2025 11:25

Tgt Ion:105 Resp: 554973

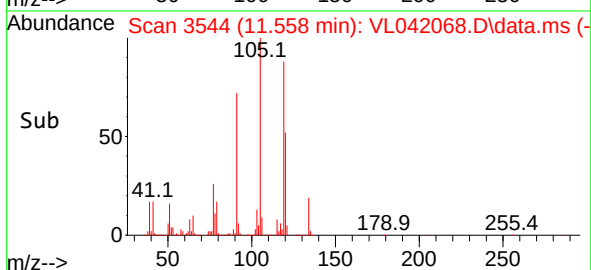
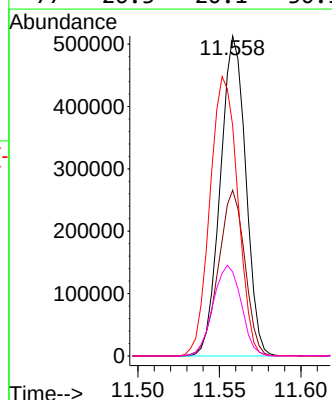
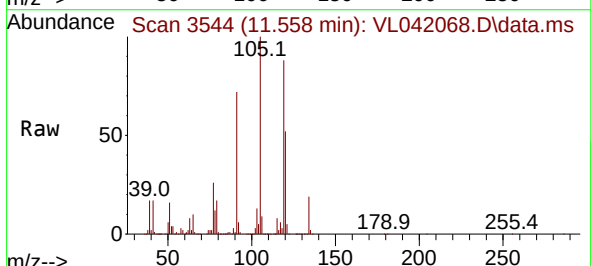
Ion Ratio Lower Upper

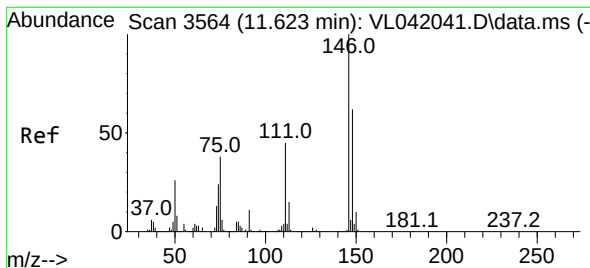
105 100

120 51.8 40.2 60.2

91 71.9 51.4 77.2

77 26.3 20.1 30.1





#75

1,3-Dichlorobenzene

Concen: 9.693 ppbv

RT: 11.629 min Scan# 3564

Delta R.T. 0.006 min

Lab File: VL042068.D

Acq: 27 Feb 2025 11:25

Instrument :

MSVOA_L

ClientSampleId :

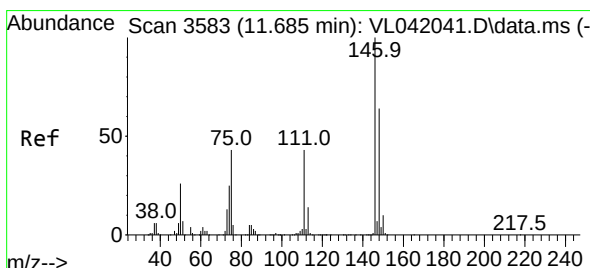
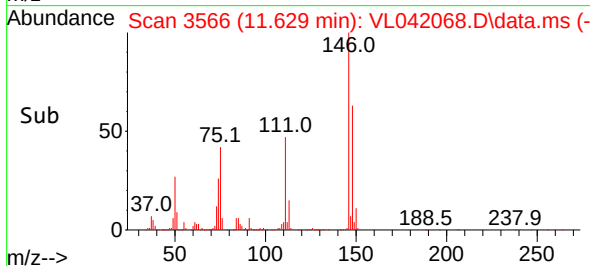
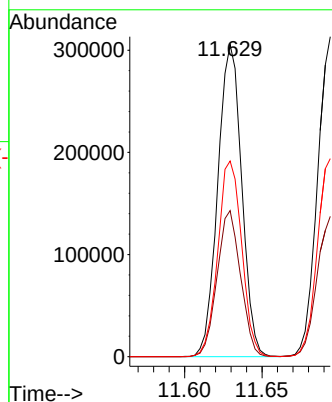
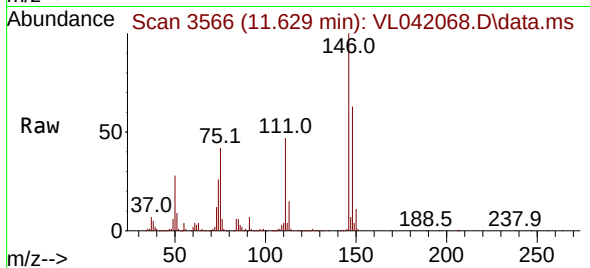
VL0227ABS01

Tgt Ion:146	Resp: 327628
Ion Ratio	Lower Upper
146 100	
111 45.9	22.4 67.2
148 62.7	32.3 96.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#76

1,4-Dichlorobenzene

Concen: 9.694 ppbv

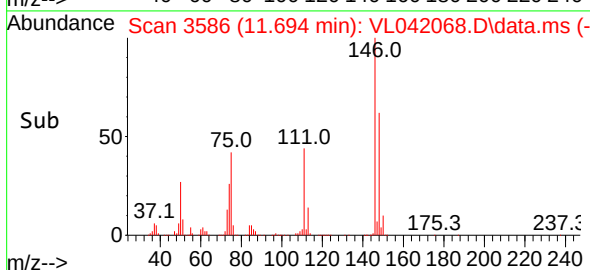
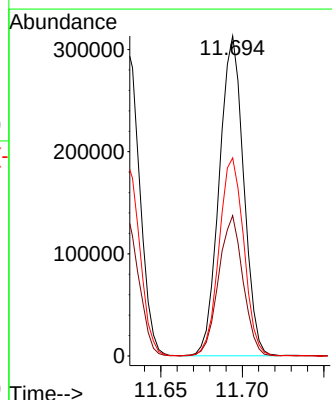
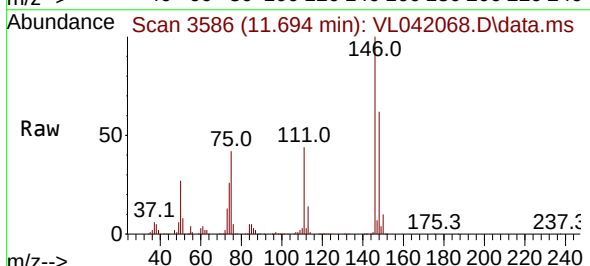
RT: 11.694 min Scan# 3586

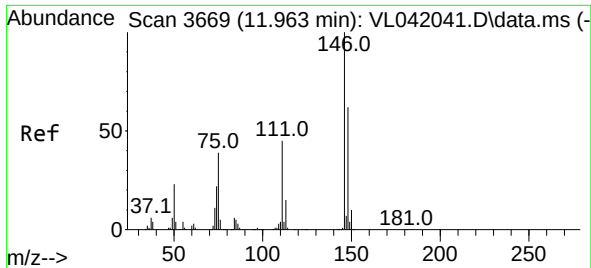
Delta R.T. 0.009 min

Lab File: VL042068.D

Acq: 27 Feb 2025 11:25

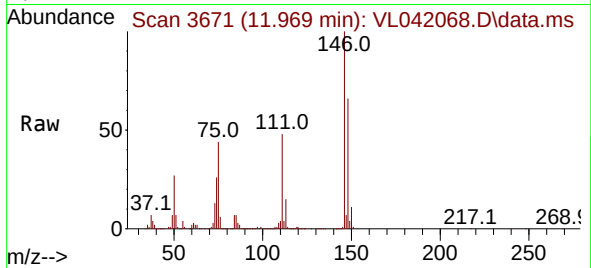
Tgt Ion:146	Resp:	325333	
Ion	Ratio	Lower	Upper
146	100		
111	44.1	21.5	64.5
148	63.0	31.6	95.0





#77
1,2-Dichlorobenzene
Concen: 9.733 ppbv
RT: 11.969 min Scan# 3669
Delta R.T. 0.006 min
Lab File: VL042068.D
Acq: 27 Feb 2025 11:25

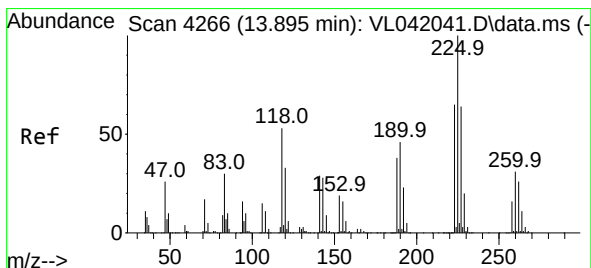
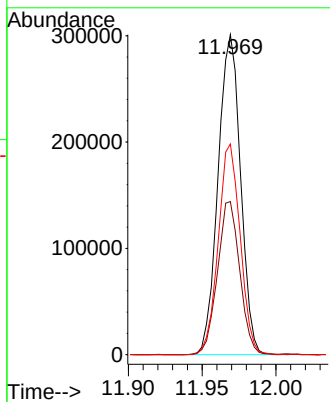
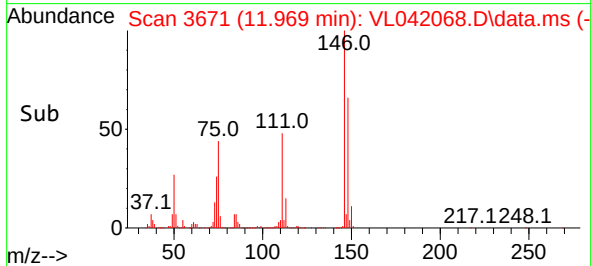
Instrument :
MSVOA_L
ClientSampleId :
VL0227ABS01



Tgt Ion:146 Resp: 319258
Ion Ratio Lower Upper
146 100
111 47.5 23.2 69.6
148 64.3 31.4 94.2

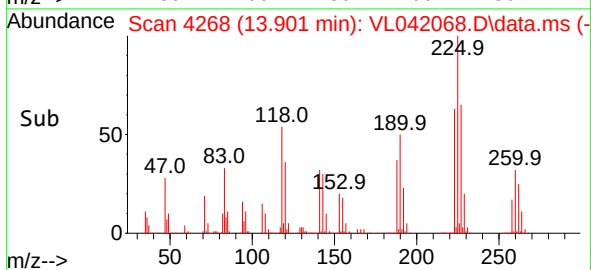
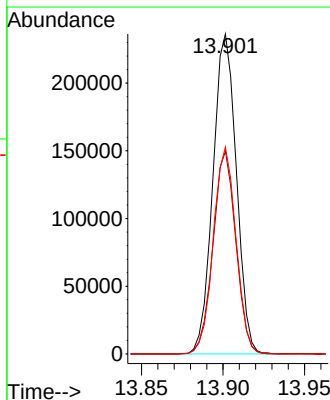
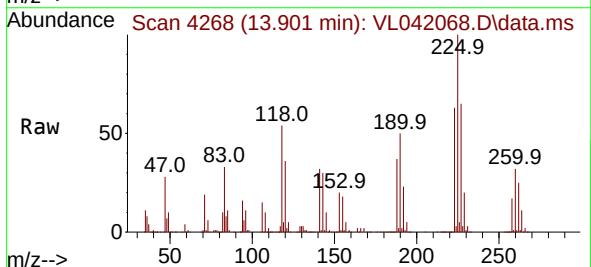
Manual Integrations
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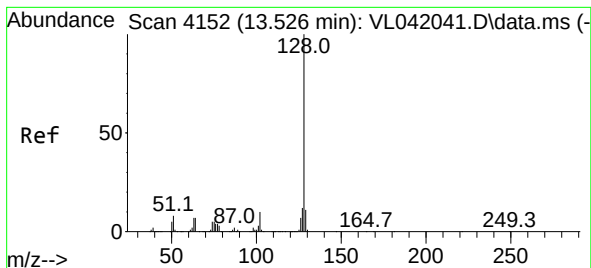
Reviewed By :Semsettin Yesilyurt 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#78
Hexachloro-1,3-Butadiene
Concen: 9.235 ppbv
RT: 13.901 min Scan# 4268
Delta R.T. 0.006 min
Lab File: VL042068.D
Acq: 27 Feb 2025 11:25

Tgt Ion:225 Resp: 235707
Ion Ratio Lower Upper
225 100
223 61.7 50.2 75.2
227 62.8 50.8 76.2





#79

Naphthalene

Concen: 12.671 ppbv

RT: 13.532 min Scan# 4152

Delta R.T. 0.006 min

Lab File: VL042068.D

Acq: 27 Feb 2025 11:25

Instrument :

MSVOA_L

ClientSampleId :

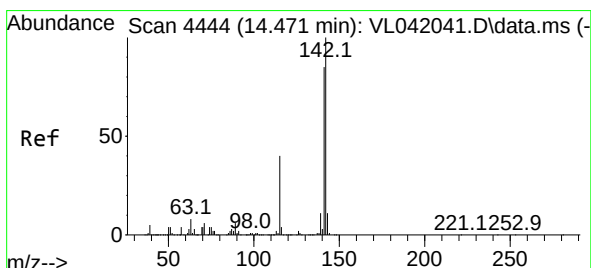
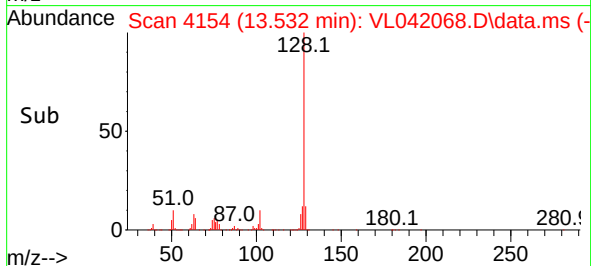
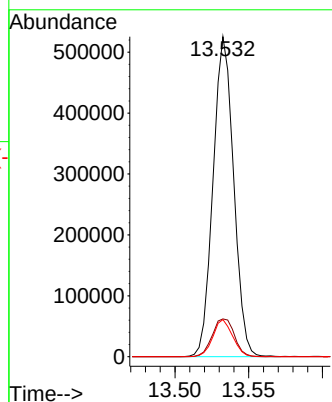
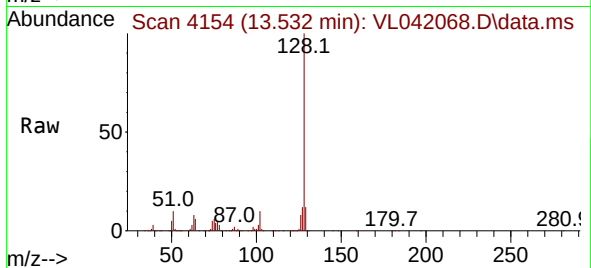
VL0227ABS01

Tgt Ion:	128	Resp:	510280
Ion Ratio	Lower	Upper	
128	100		
127	11.8	9.8	14.6
129	11.6	8.6	12.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#80

Naphthalene,2-methyl-

Concen: 17.710 ppbv

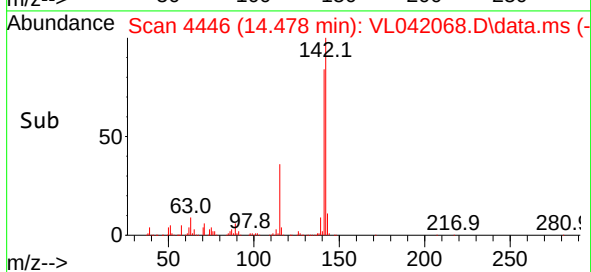
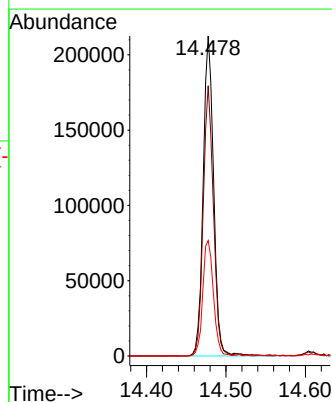
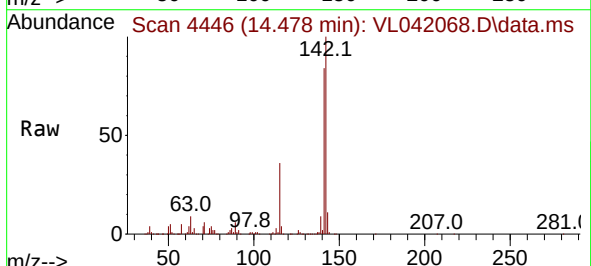
RT: 14.478 min Scan# 4446

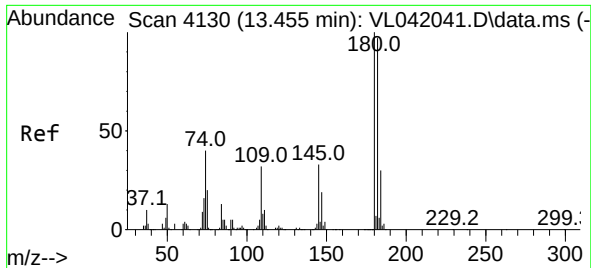
Delta R.T. 0.006 min

Lab File: VL042068.D

Acq: 27 Feb 2025 11:25

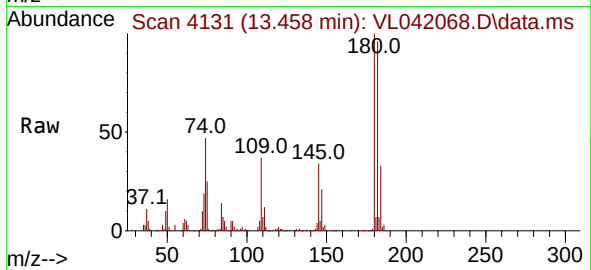
Tgt Ion:	142	Resp:	195167
Ion Ratio	Lower	Upper	
142	100		
141	83.5	65.8	98.6
115	37.4	29.5	44.3





#81
 1,2,4-Trichlorobenzene
 Concen: 10.190 ppbv
 RT: 13.458 min Scan# 41
 Delta R.T. 0.003 min
 Lab File: VL042068.D
 Acq: 27 Feb 2025 11:25

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0227ABS01



Tgt Ion:180 Resp: 228692
 Ion Ratio Lower Upper
 180 100
 182 97.4 75.1 112.7
 184 30.8 23.8 35.6

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 02/28/2025
 Supervised By :Mahesh Dadoda 02/28/2025

