

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022125\
 Data File : VL042036.D
 Acq On : 21 Feb 2025 11:54
 Operator : SY/MD
 Sample : VL0221ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0221ABS01

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 02/24/2025
 Supervised By : Mahesh Dadoda 02/24/2025

Quant Time: Feb 21 21:51:02 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL021425AIR.M

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

QLast Update : Tue Feb 18 00:13:37 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.784	49	87230	10.000	ppbv	-0.02
33) 1,4-Difluorobenzene	3.952	114	234490	10.000	ppbv	-0.03
55) Chlorobenzene-d5	8.878	117	217352	10.000	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.374 95 187789 10.474 ppbv -0.02
 Spiked Amount 10.000 Range 65 - 135 Recovery = 104.700%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.495	85	156627	10.430	ppbv	93
3) Chlorodifluoromethane	1.473	51	191339	11.526	ppbv	100
4) Chloromethane	1.531	50	62127	10.646	ppbv	100
5) Vinyl Chloride	1.576	62	57710	8.270	ppbv	99
6) Bromomethane	1.667	94	27239	10.070	ppbv	100
7) Chloroethane	1.703	64	23440	10.307	ppbv	95
8) Dichlorotetrafluoroethane	1.550	85	133162	10.081	ppbv	99
9) Propene	1.483	41	77353	10.808	ppbv	99
10) Heptane	4.975	43	223148	11.228	ppbv	100
11) Trichlorofluoromethane	1.874	101	156561	10.360	ppbv	95
12) 1,1,2-Trichlorotrifluo...	2.136	101	125116	10.617	ppbv	97
13) Ethanol	1.719	45	4444	5.505	ppbv	89
14) Bromoethene	1.780	108	43759	9.943	ppbv	96
15) Acetone	1.832	43	130243	9.046	ppbv	96
16) 1,3-Butadiene	1.605	39	65240	9.552	ppbv	97
17) tert-Butyl alcohol	2.039	59	174387	9.789	ppbv	97
18) 1,1-Dichloroethene	2.033	96	52944	9.401	ppbv	99
19) Isopropyl Alcohol	1.884	45	73318	9.081	ppbv	98
20) Methylene Chloride	2.059	84	50993	9.408	ppbv	97
21) Allyl Chloride	2.094	41	104113	9.988	ppbv	98
22) trans-1,2-Dichloroethene	2.337	96	63330	10.363	ppbv	99
23) Vinyl Acetate	2.460	43	85661	10.987	ppbv	98
24) 1,1-Dichloroethane	2.405	63	126212	10.172	ppbv	99
25) Ethyl Acetate	2.832	43	450097	11.390	ppbv	100
26) Hexane	2.822	57	188468	11.884	ppbv	96
27) Carbon Disulfide	2.146	76	157760	10.577	ppbv #	91
28) Methyl tert-Butyl Ether	2.437	73	91678	9.457	ppbv	99
29) Chloroform	2.845	83	268628	11.696	ppbv	93
30) Cyclohexane	3.852	84	155350	12.076	ppbv	99
31) cis-1,2-Dichloroethene	2.719	61	184559	11.775	ppbv	96
32) 1,1,1-Trichloroethane	3.363	97	277983	10.913	ppbv	98
34) 2-Butanone	2.554	43	257422	12.760	ppbv	100
35) Carbon Tetrachloride	3.758	117	270032	11.859	ppbv	98
36) Benzene	3.654	78	361009	12.710	ppbv	99
37) 1,2-Dichloroethane	3.217	62	214103	13.241	ppbv	98
38) Trichloroethene	4.541	130	132838	11.511	ppbv	94
39) 1,2-Dichloropropane	4.308	63	131324	12.611	ppbv	92
40) 1,4-Dioxane	4.583	88	59088	10.904	ppbv #	77
41) Tetrahydrofuran	3.052	42	150679	13.069	ppbv	99
42) Bromodichloromethane	4.486	83	301730	13.773	ppbv	95
43) Methyl Methacrylate	4.878	69	148081	11.436	ppbv	97
44) 2,2,4-Trimethylpentane	4.635	57	621047	12.880	ppbv	100
45) t-1,3-Dichloropropene	6.409	75	158483	12.965	ppbv	97

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Manual Integrations
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL021425AIR.M

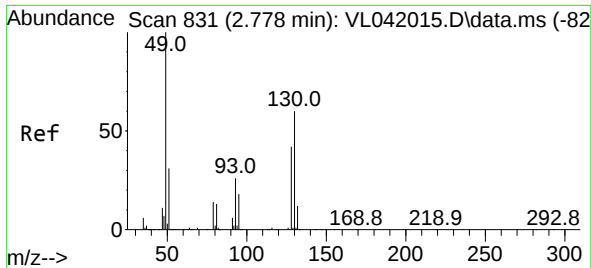
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Tue Feb 18 00:13:37 2025

Response via : Initial Calibration

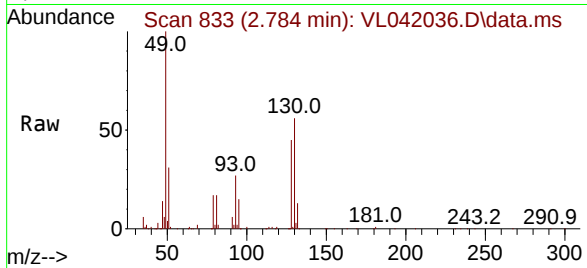
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.600	75	200863m	12.951	ppbv	
47) 1,1,2-Trichloroethane	6.580	97	137710	12.565	ppbv	97
48) Dibromochloromethane	7.383	129	226972	12.365	ppbv	98
49) Bromoform	9.480	173	185384	12.313	ppbv	99
50) 4-Methyl-2-Pentanone	5.748	43	376694	12.150	ppbv	100
51) 2-Hexanone	7.435	43	309742	12.215	ppbv #	97
52) Tetrachloroethene	8.224	164	107025	10.803	ppbv	90
53) Toluene	6.927	91	418778	12.373	ppbv	100
54) 1,2-Dibromoethane	7.648	107	186165	12.337	ppbv	95
56) 1,1,1,2-Tetrachloroethane	8.920	131	170287	10.946	ppbv	97
57) Chlorobenzene	8.917	112	297261	11.626	ppbv	99
58) Ethyl Benzene	9.351	91	582870	12.253	ppbv	99
59) m/p-Xylene	9.548	91	917136m	24.478	ppbv	
60) o-Xylene	9.963	91	457674	12.078	ppbv	98
61) Styrene	9.865	104	213332	11.806	ppbv	98
62) Isopropylbenzene	10.539	105	673139	11.832	ppbv	98
63) 1,1,2,2-Tetrachloroethane	9.959	83	281403	11.510	ppbv	100
64) n-propylbenzene	10.985	120	162043	11.592	ppbv	96
65) tert-Butylbenzene	11.529	119	567503	11.443	ppbv	97
66) Benzyl Chloride	11.616	91	55223	11.108	ppbv	96
67) sec-Butylbenzene	11.765	105	822537	11.807	ppbv	97
69) p-Isopropyltoluene	11.924	119	647398	11.353	ppbv	98
70) n-Butylbenzene	12.280	91	678198	12.073	ppbv	99
71) 2-Chlorotoluene	10.901	91	513737	11.991	ppbv	98
72) 4-Ethyltoluene	11.124	105	530991	11.960	ppbv	99
73) 1,3,5-Trimethylbenzene	11.202	105	449841	11.746	ppbv	96
74) 1,2,4-Trimethylbenzene	11.536	105	476903	11.603	ppbv	92
75) 1,3-Dichlorobenzene	11.607	146	253168	11.443	ppbv	98
76) 1,4-Dichlorobenzene	11.671	146	250798	11.624	ppbv	99
77) 1,2-Dichlorobenzene	11.947	146	242336	11.458	ppbv	99
78) Hexachloro-1,3-Butadiene	13.882	225	162727	9.300	ppbv	99
79) Naphthalene	13.513	128	379912	9.397	ppbv	99
80) Naphthalene,2-methyl-	14.458	142	123985	6.774	ppbv	99
81) 1,2,4-Trichlorobenzene	13.439	180	164496	10.009	ppbv	99

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



#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.784 min Scan# 831
Delta R.T. -0.016 min
Lab File: VL042036.D
Acq: 21 Feb 2025 11:54

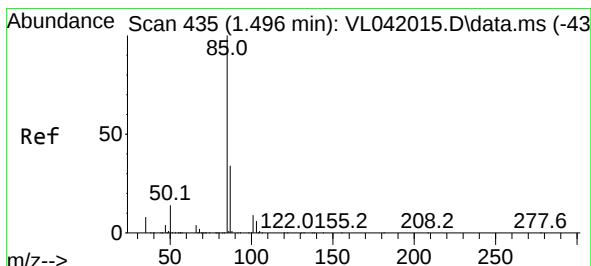
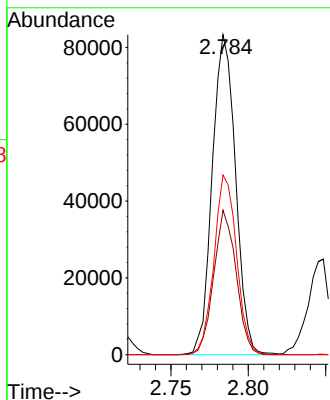
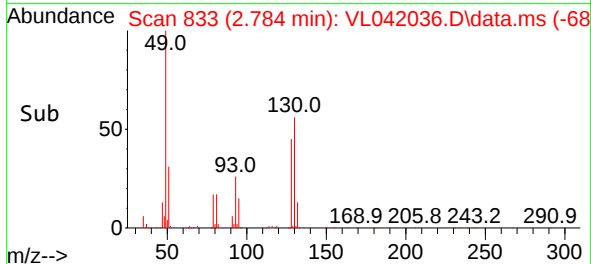
Instrument :
MSVOA_L
ClientSampleId :
VL0221ABS01



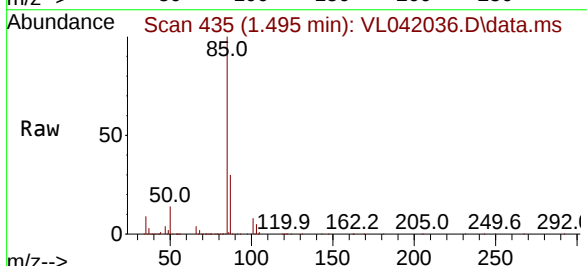
Tgt Ion: 49 Resp: 87230
Ion Ratio Lower Upper
49 100
128 43.4 22.7 68.0
130 54.4 29.9 89.8

Manual Integrations
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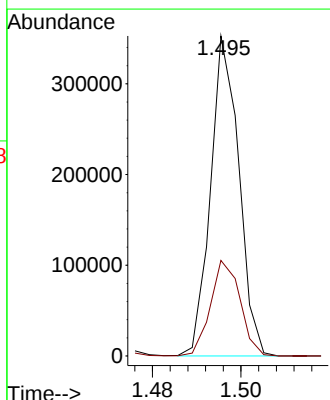
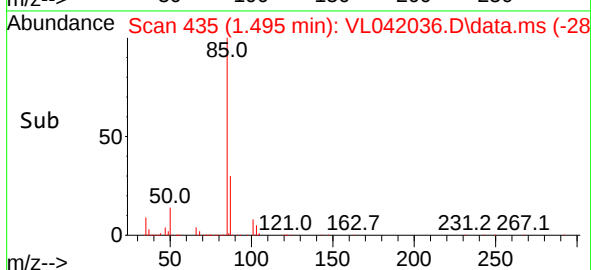
Reviewed By :Semsettin Yesilyurt 02/24/2025
Supervised By :Mahesh Dadoda 02/24/2025

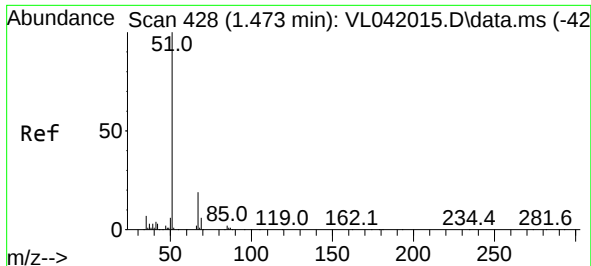


#2
Dichlorodifluoromethane
Concen: 10.430 ppbv
RT: 1.495 min Scan# 435
Delta R.T. -0.006 min
Lab File: VL042036.D
Acq: 21 Feb 2025 11:54



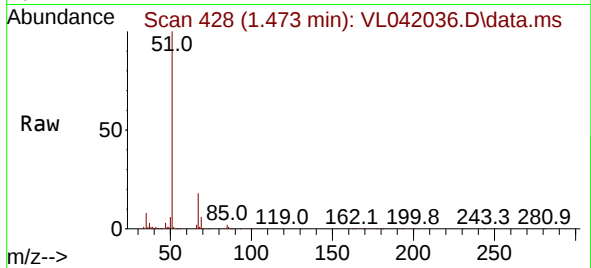
Tgt Ion: 85 Resp: 156627
Ion Ratio Lower Upper
85 100
87 29.8 26.9 40.3





#3
Chlorodifluoromethane
Concen: 11.526 ppbv
RT: 1.473 min Scan# 428
Delta R.T. -0.006 min
Lab File: VL042036.D
Acq: 21 Feb 2025 11:54

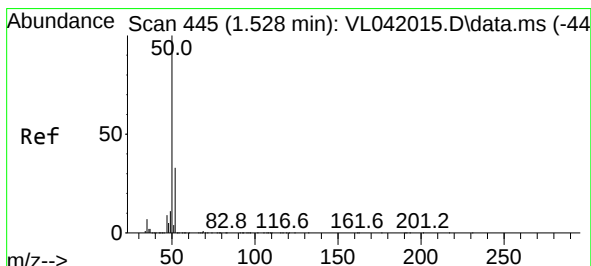
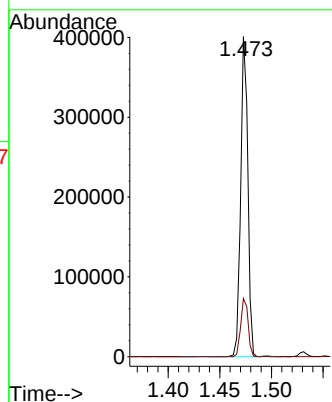
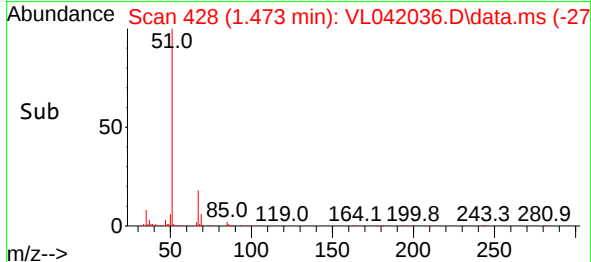
Instrument :
MSVOA_L
ClientSampleId :
VL0221ABS01



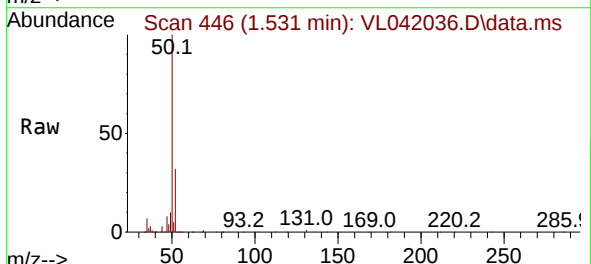
Tgt Ion: 51 Resp: 191339
Ion Ratio Lower Upper
51 100
67 18.9 15.0 22.6

Manual Integrations
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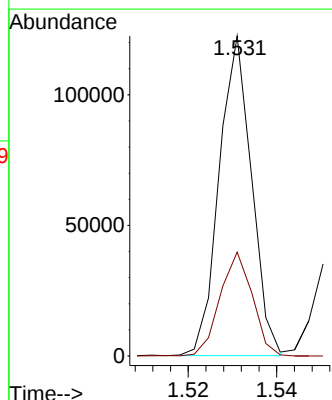
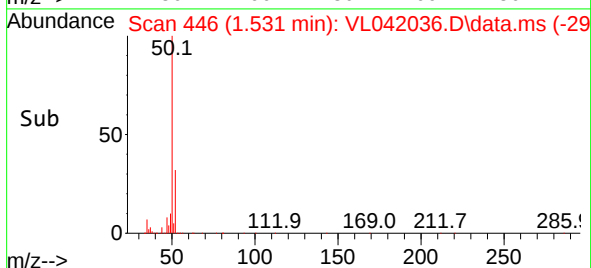
Reviewed By :Semsettin Yesilyurt 02/24/2025
Supervised By :Mahesh Dadoda 02/24/2025

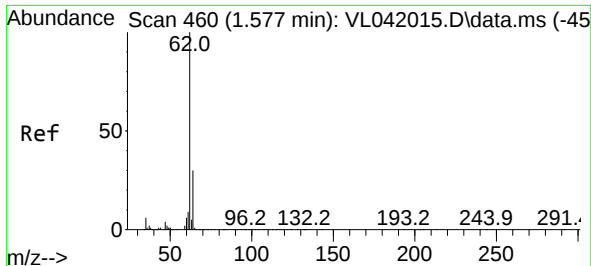


#4
Chloromethane
Concen: 10.646 ppbv
RT: 1.531 min Scan# 446
Delta R.T. -0.006 min
Lab File: VL042036.D
Acq: 21 Feb 2025 11:54



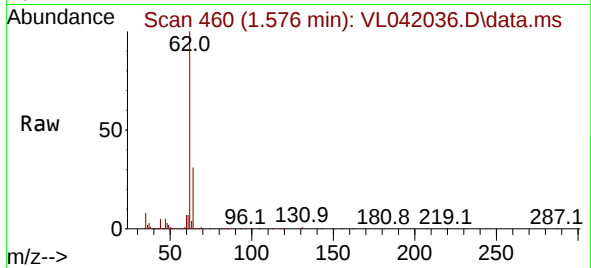
Tgt Ion: 50 Resp: 62127
Ion Ratio Lower Upper
50 100
52 32.5 26.2 39.2





#5
 Vinyl Chloride
 Concen: 8.270 ppbv
 RT: 1.576 min Scan# 460
 Delta R.T. -0.010 min
 Lab File: VL042036.D
 Acq: 21 Feb 2025 11:54

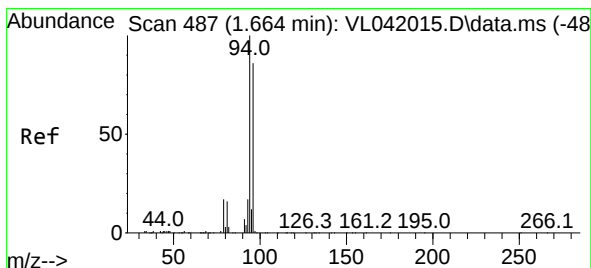
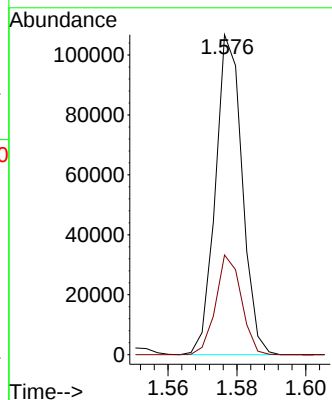
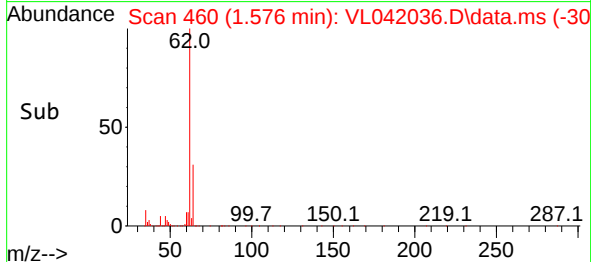
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0221ABS01



Tgt Ion: 62 Resp: 57710
 Ion Ratio Lower Upper
 62 100
 64 31.1 24.4 36.6

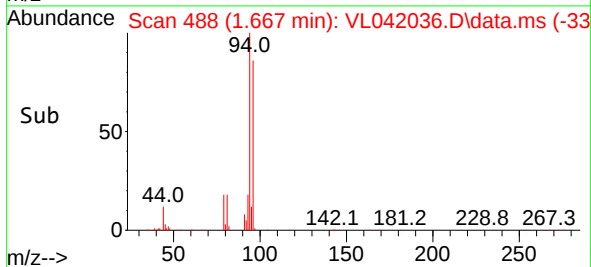
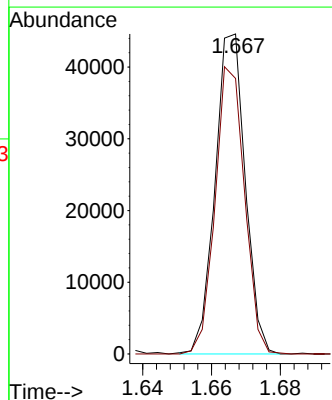
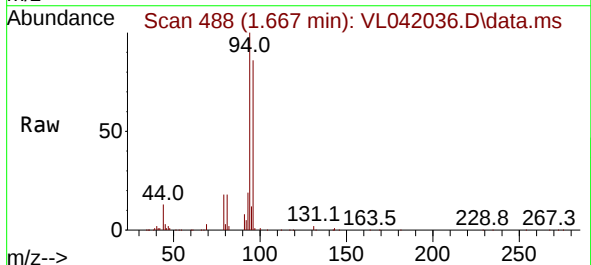
Manual Integrations
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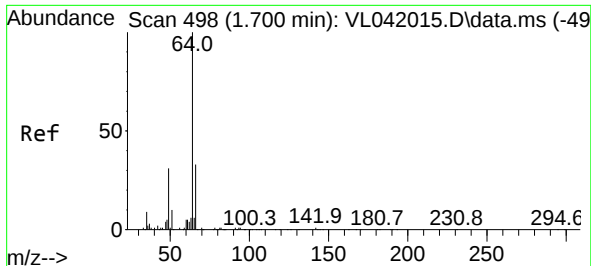
Reviewed By :Semsettin Yesilyurt 02/24/2025
 Supervised By :Mahesh Dadoda 02/24/2025



#6
 Bromomethane
 Concen: 10.070 ppbv
 RT: 1.667 min Scan# 488
 Delta R.T. -0.006 min
 Lab File: VL042036.D
 Acq: 21 Feb 2025 11:54

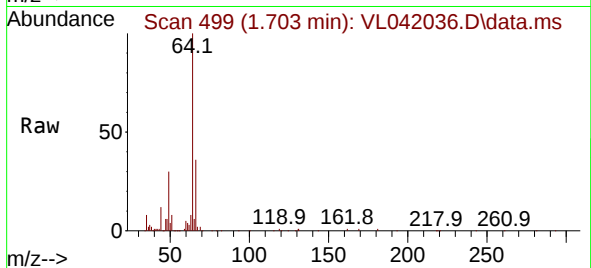
Tgt Ion: 94 Resp: 27239
 Ion Ratio Lower Upper
 94 100
 96 86.1 69.0 103.6





#7
Chloroethane
Concen: 10.307 ppbv
RT: 1.703 min Scan# 499
Delta R.T. -0.006 min
Lab File: VL042036.D
Acq: 21 Feb 2025 11:54

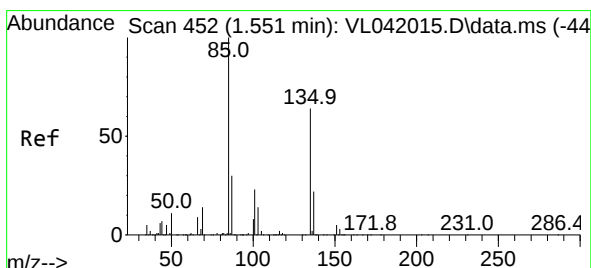
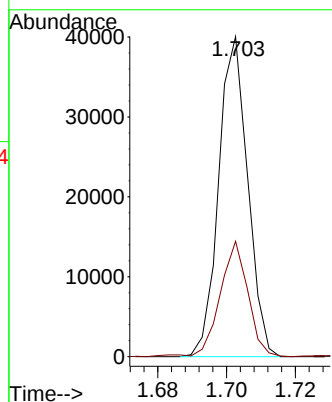
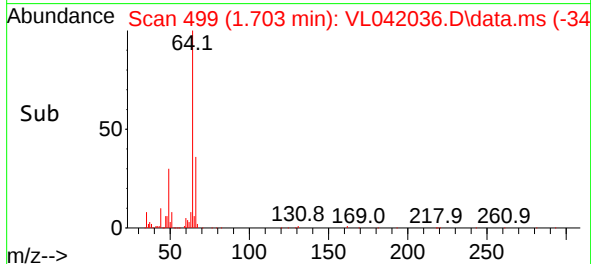
Instrument :
MSVOA_L
ClientSampleId :
VL0221ABS01



Tgt Ion: 64 Resp: 23440
Ion Ratio Lower Upper
64 100
66 36.1 26.5 39.7

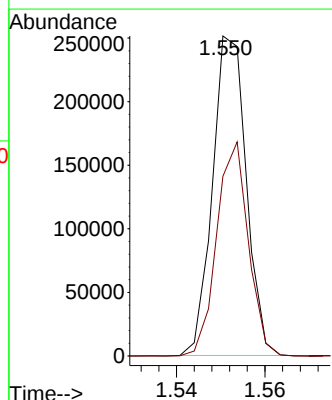
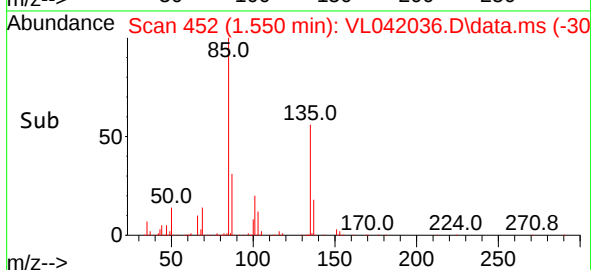
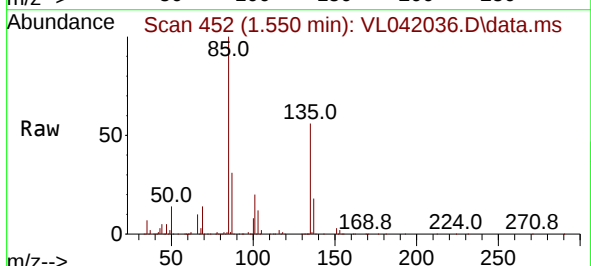
Manual Integrations
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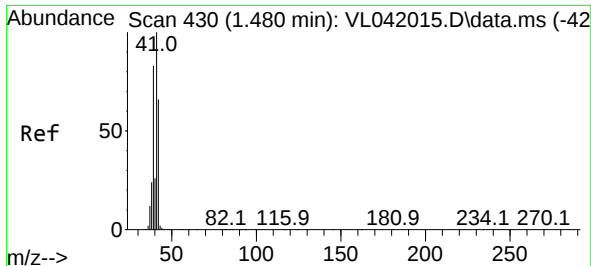
Reviewed By :Semsettin Yesilyurt 02/24/2025
Supervised By :Mahesh Dadoda 02/24/2025



#8
Dichlorotetrafluoroethane
Concen: 10.081 ppbv
RT: 1.550 min Scan# 452
Delta R.T. -0.010 min
Lab File: VL042036.D
Acq: 21 Feb 2025 11:54

Tgt Ion: 85 Resp: 133162
Ion Ratio Lower Upper
85 100
135 62.7 50.9 76.3





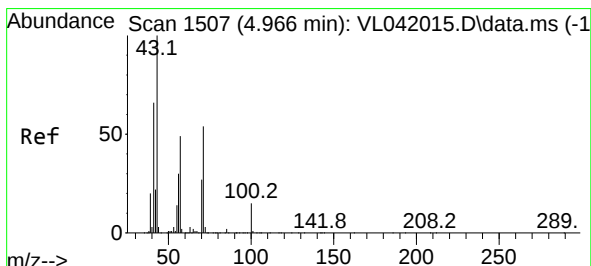
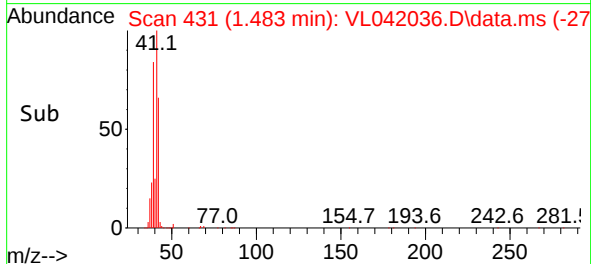
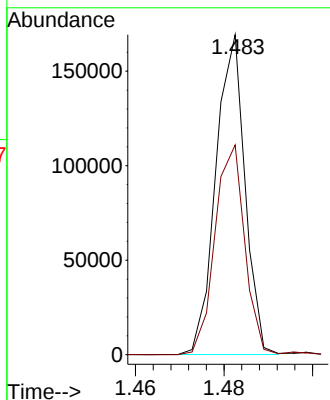
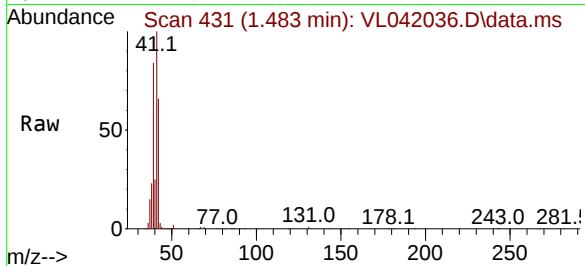
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 Propene
 Concen: 10.808 ppbv
 RT: 1.483 min Scan# 41
 Delta R.T. -0.006 min
 Lab File: VL042036.D
 Acq: 21 Feb 2025 11:54

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0221ABS01

Tgt Ion: 41 Resp: 7735
 Ion Ratio Lower Upper
 41 100
 42 67.8 53.5 80.3

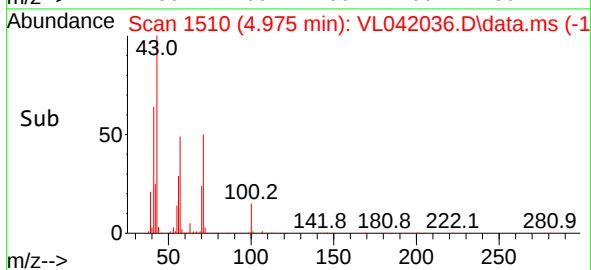
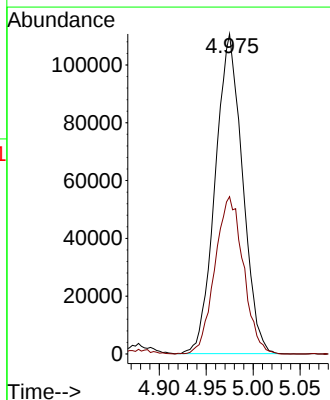
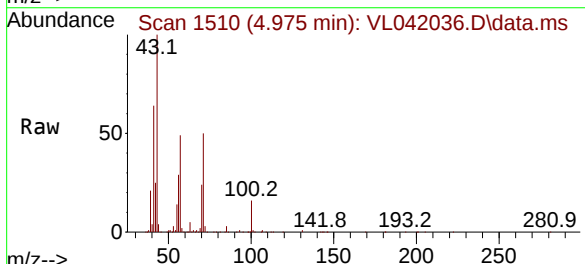
Manual Integrations
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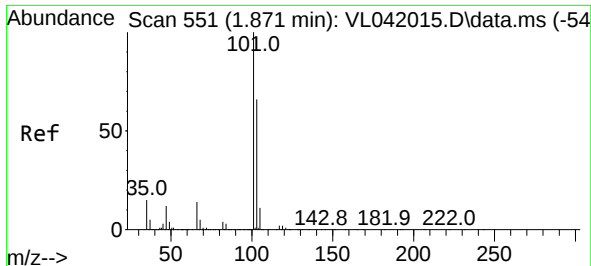
Reviewed By :Semsettin Yesilyurt 02/24/2025
 Supervised By :Mahesh Dadoda 02/24/2025



#10
 Heptane
 Concen: 11.228 ppbv
 RT: 4.975 min Scan# 1510
 Delta R.T. -0.029 min
 Lab File: VL042036.D
 Acq: 21 Feb 2025 11:54

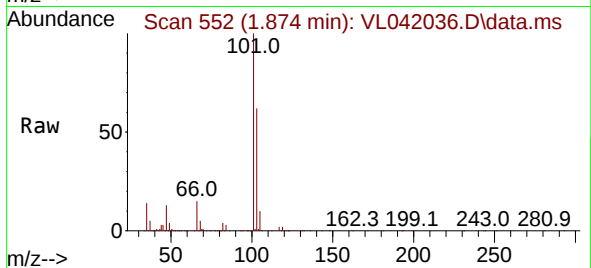
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 Ion Ratio Lower Upper
 43 100
 57 51.4 41.0 61.6





#11
Trichlorofluoromethane
Concen: 10.360 ppbv
RT: 1.874 min Scan# 511
Delta R.T. -0.010 min
Lab File: VL042036.D
Acq: 21 Feb 2025 11:54

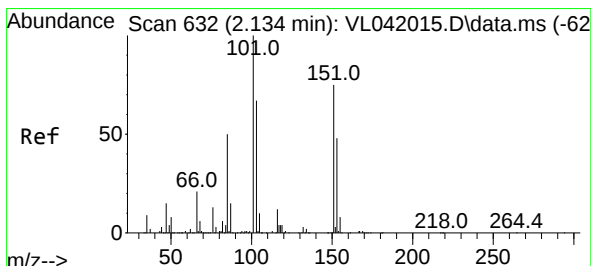
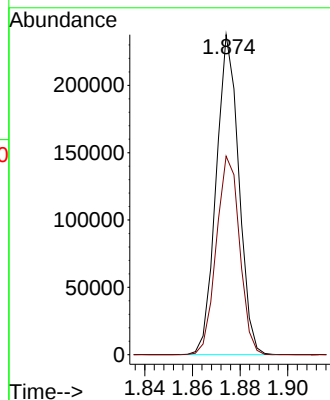
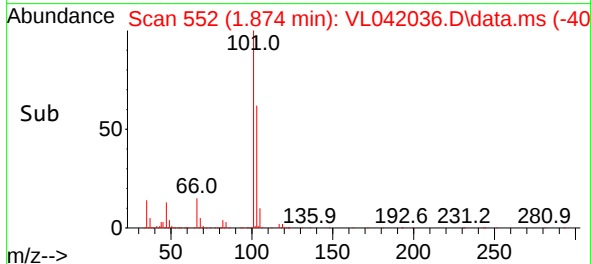
Instrument :
MSVOA_L
ClientSampleId :
VL0221ABS01



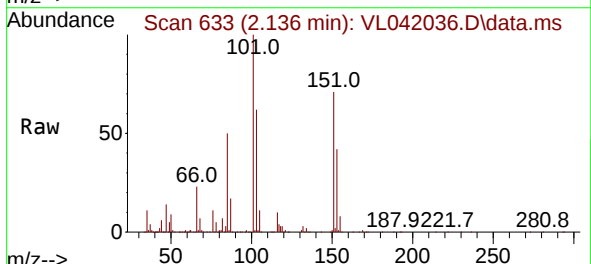
Tgt Ion:101 Resp: 15656
Ion Ratio Lower Upper
101 100
103 62.1 52.9 79.3

Manual Integrations
APPROVED

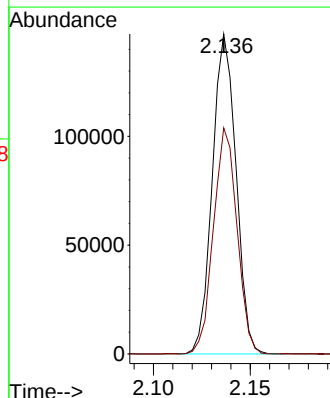
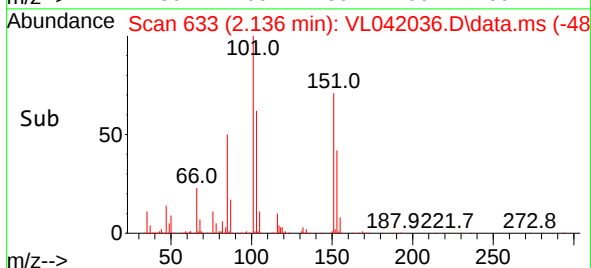
Reviewed By :Semsettin Yesilyurt 02/24/2025
Supervised By :Mahesh Dadoda 02/24/2025

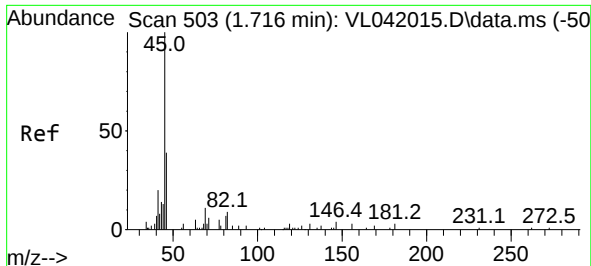


#12
1,1,2-Trichlorotrifluoroethane
Concen: 10.617 ppbv
RT: 2.136 min Scan# 633
Delta R.T. -0.013 min
Lab File: VL042036.D
Acq: 21 Feb 2025 11:54



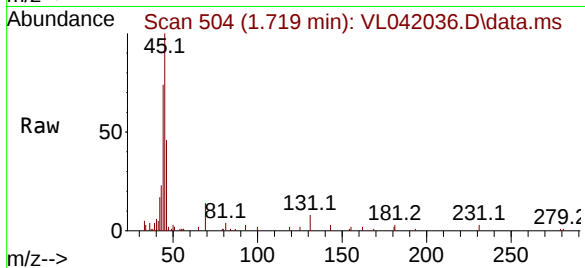
Tgt Ion:101 Resp: 125116
Ion Ratio Lower Upper
101 100
151 70.4 58.2 87.2





#13
Ethanol
Concen: 5.505 ppbv
RT: 1.719 min Scan# 503
Delta R.T. -0.010 min
Lab File: VL042036.D
Acq: 21 Feb 2025 11:54

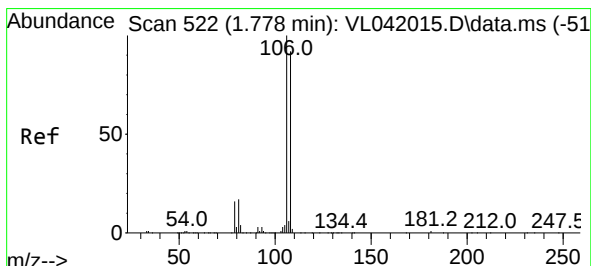
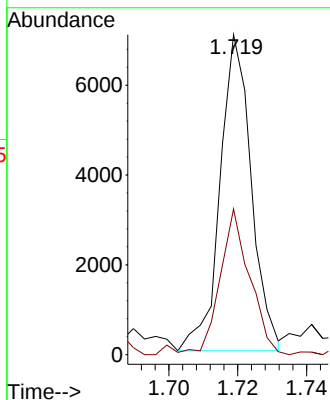
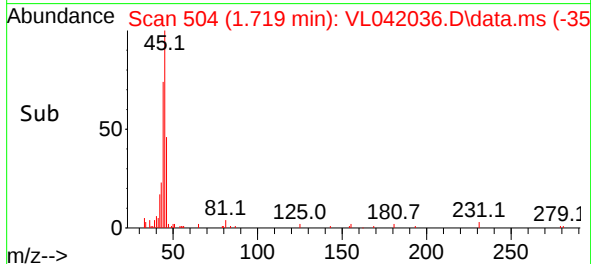
Instrument :
MSVOA_L
ClientSampleId :
VL0221ABS01



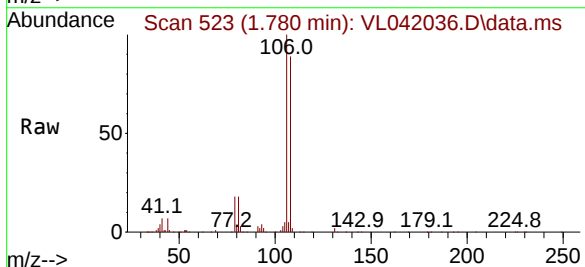
Tgt Ion: 45 Resp: 444
Ion Ratio Lower Upper
45 100
46 45.4 21.3 85.1

Manual Integrations
APPROVED

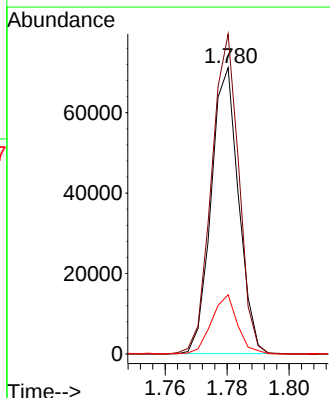
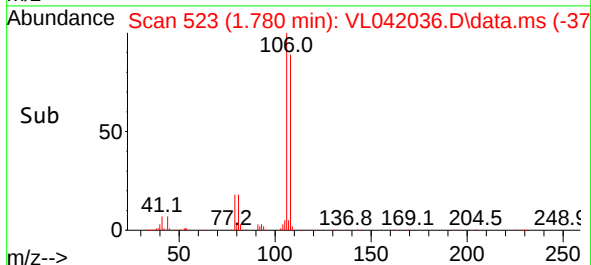
Reviewed By :Semsettin Yesilyurt 02/24/2025
Supervised By :Mahesh Dadoda 02/24/2025

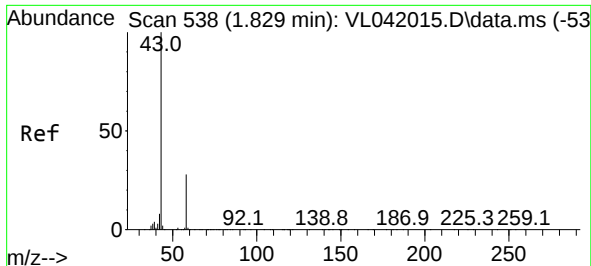


#14
Bromoethene
Concen: 9.943 ppbv
RT: 1.780 min Scan# 523
Delta R.T. -0.006 min
Lab File: VL042036.D
Acq: 21 Feb 2025 11:54



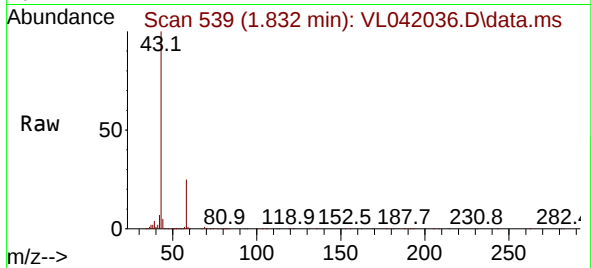
Tgt Ion:108 Resp: 43759
Ion Ratio Lower Upper
108 100
106 111.1 85.0 127.6
79 20.1 17.3 25.9





#15
Acetone
Concen: 9.046 ppbv
RT: 1.832 min Scan# 51
Delta R.T. -0.010 min
Lab File: VL042036.D
Acq: 21 Feb 2025 11:54

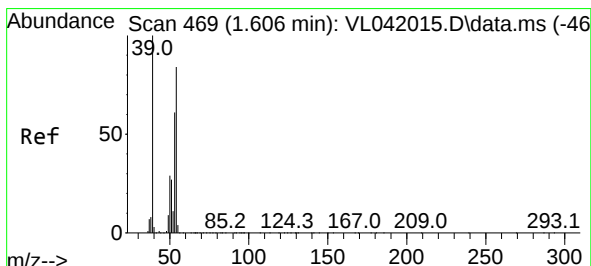
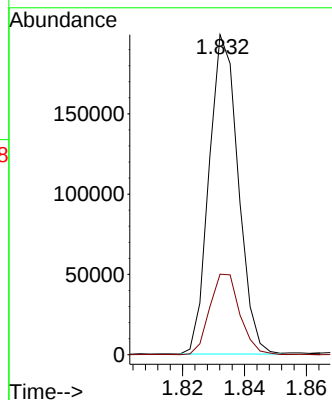
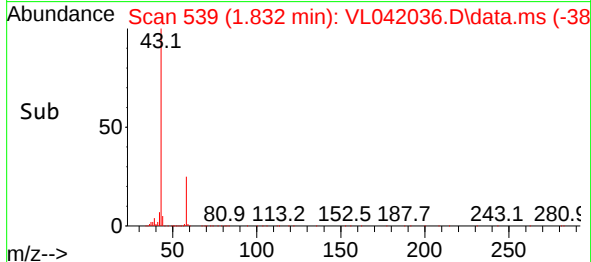
Instrument :
MSVOA_L
ClientSampleId :
VL0221ABS01



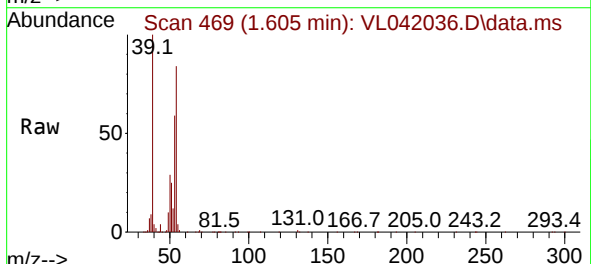
Tgt Ion: 43 Resp: 13024
Ion Ratio Lower Upper
43 100
58 26.3 22.9 34.3

Manual Integrations
APPROVED

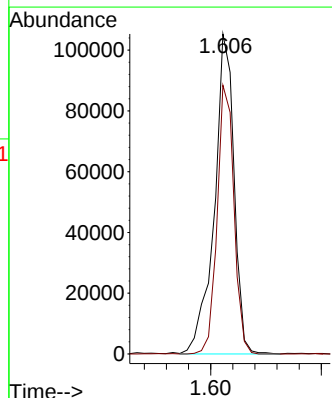
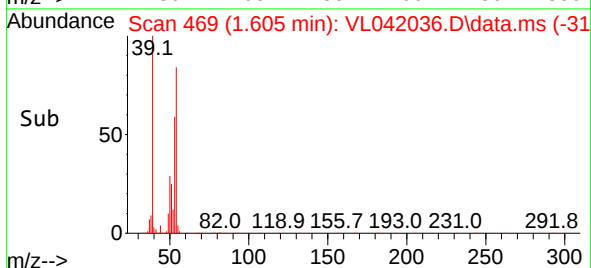
Reviewed By :Semsettin Yesilyurt 02/24/2025
Supervised By :Mahesh Dadoda 02/24/2025

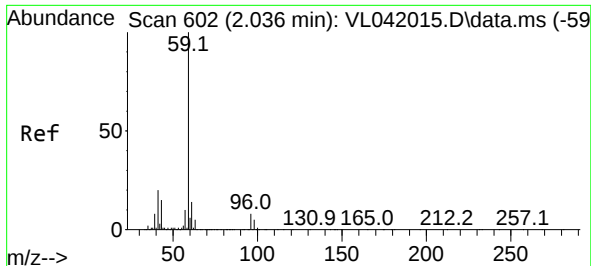


#16
1,3-Butadiene
Concen: 9.552 ppbv
RT: 1.605 min Scan# 469
Delta R.T. -0.010 min
Lab File: VL042036.D
Acq: 21 Feb 2025 11:54



Tgt Ion: 39 Resp: 65240
Ion Ratio Lower Upper
39 100
54 71.4 59.4 89.2





#17

tert-Butyl alcohol

Concen: 9.789 ppbv

RT: 2.039 min Scan# 602

Delta R.T. -0.010 min

Lab File: VL042036.D

Acq: 21 Feb 2025 11:54

Instrument :

MSVOA_L

ClientSampleId :

VL0221ABS01

Tgt Ion: 59 Resp: 17438

Ion Ratio Lower Upper

59 100

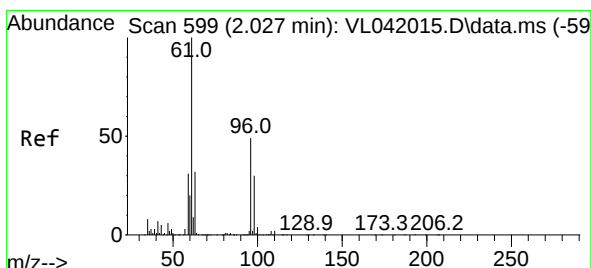
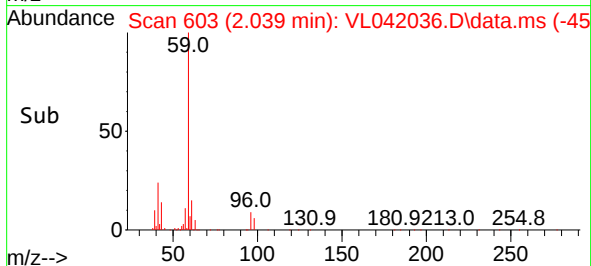
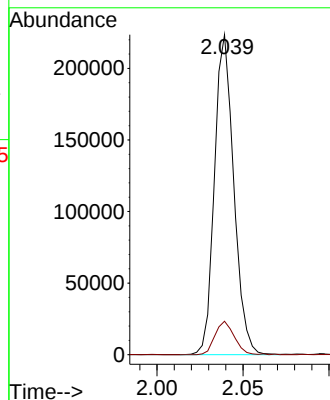
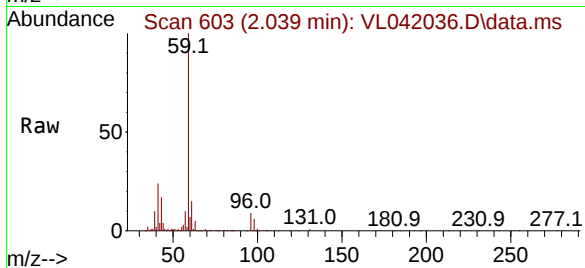
57 10.5 9.2 13.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/24/2025

Supervised By :Mahesh Dadoda 02/24/2025



#18

1,1-Dichloroethene

Concen: 9.401 ppbv

RT: 2.033 min Scan# 601

Delta R.T. -0.010 min

Lab File: VL042036.D

Acq: 21 Feb 2025 11:54

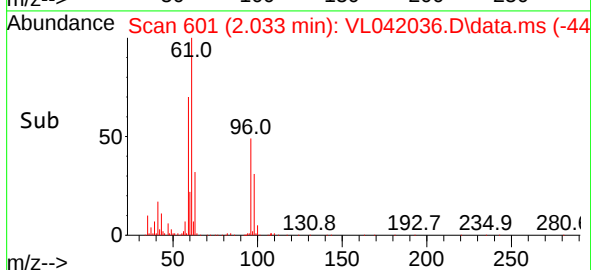
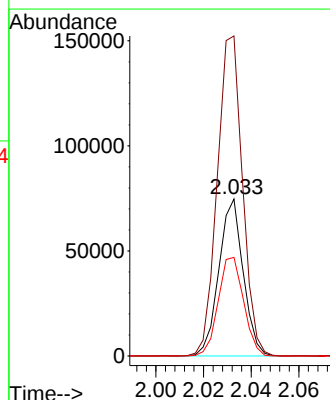
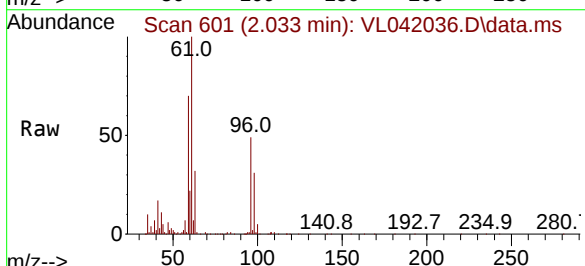
Tgt Ion: 96 Resp: 52944

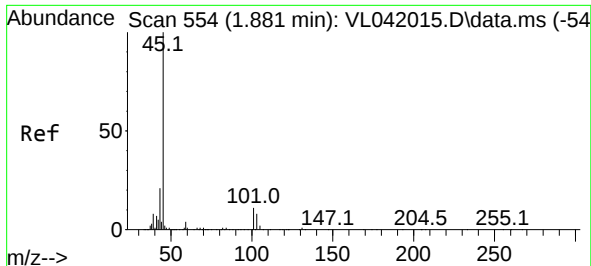
Ion Ratio Lower Upper

96 100

61 203.9 163.5 245.3

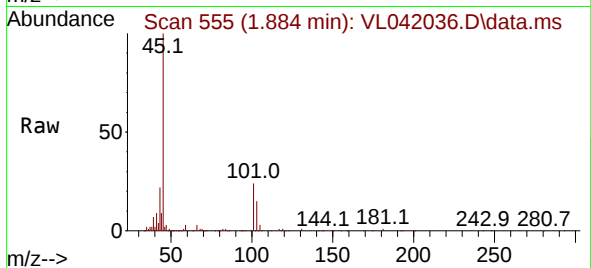
98 62.8 49.4 74.0





#19
Isopropyl Alcohol
Concen: 9.081 ppbv
RT: 1.884 min Scan# 511
Delta R.T. -0.010 min
Lab File: VL042036.D
Acq: 21 Feb 2025 11:54

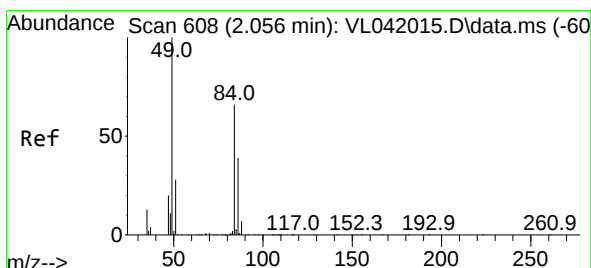
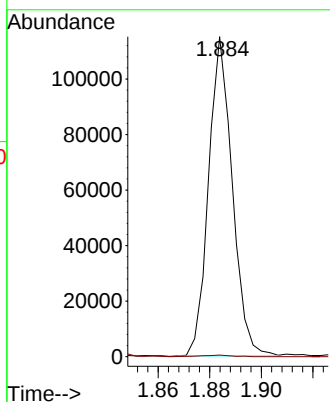
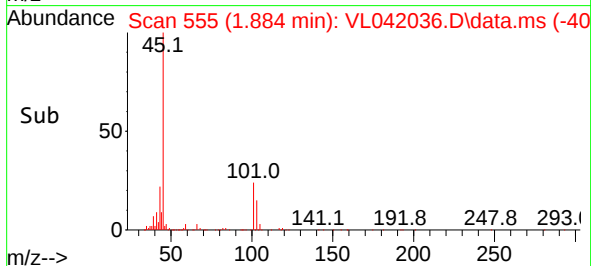
Instrument :
MSVOA_L
ClientSampleId :
VL0221ABS01



Tgt Ion: 45 Resp: 73318
Ion Ratio Lower Upper
45 100
58 46.7 36.2 54.4

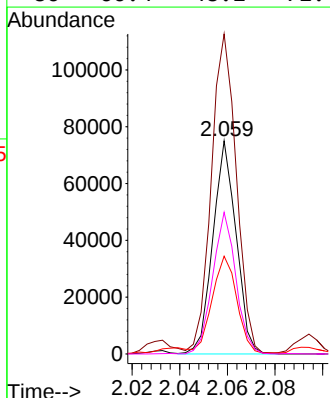
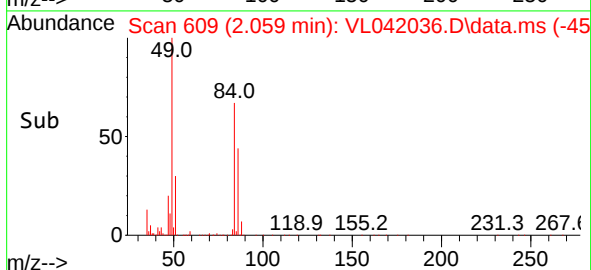
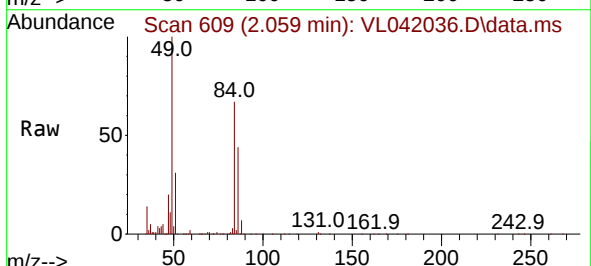
Manual Integrations
APPROVED

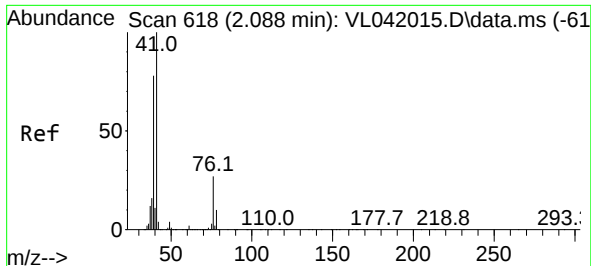
Reviewed By :Semsettin Yesilyurt 02/24/2025
Supervised By :Mahesh Dadoda 02/24/2025



#20
Methylene Chloride
Concen: 9.408 ppbv
RT: 2.059 min Scan# 609
Delta R.T. -0.010 min
Lab File: VL042036.D
Acq: 21 Feb 2025 11:54

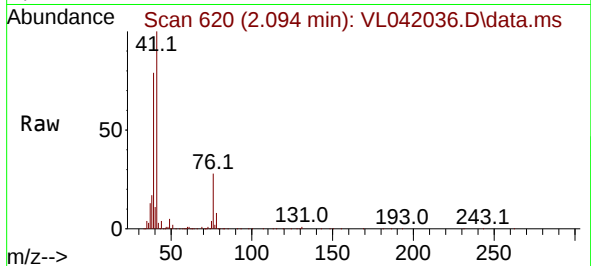
Tgt Ion: 84 Resp: 50993
Ion Ratio Lower Upper
84 100
49 149.6 121.0 181.4
51 45.4 35.1 52.7
86 66.4 48.2 72.4





#21
 Allyl Chloride
 Concen: 9.988 ppbv
 RT: 2.094 min Scan# 618
 Delta R.T. -0.010 min
 Lab File: VL042036.D
 Acq: 21 Feb 2025 11:54

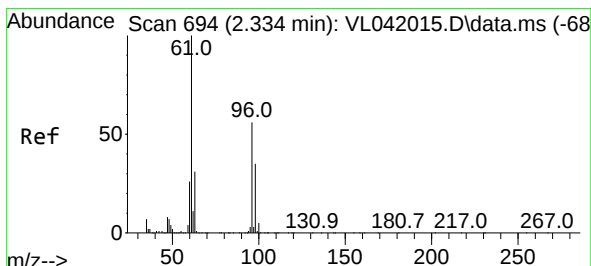
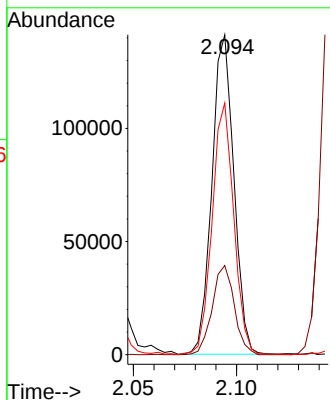
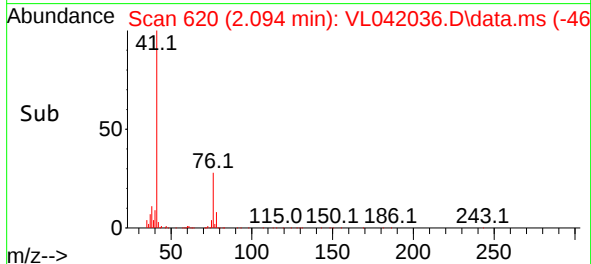
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0221ABS01



Tgt Ion: 41 Resp: 104111
 Ion Ratio Lower Upper
 41 100
 76 28.2 23.7 35.5
 39 77.6 63.0 94.6

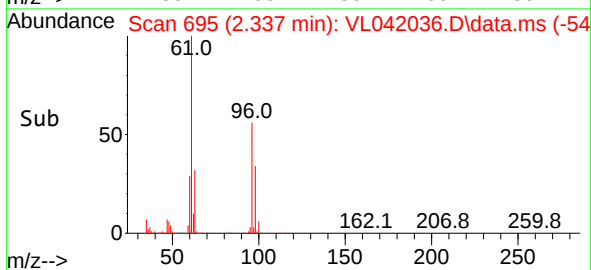
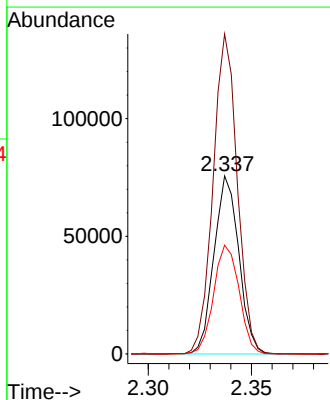
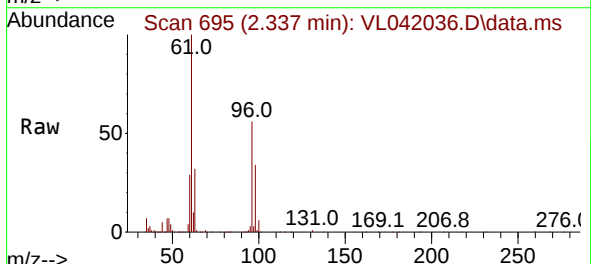
Manual Integrations
 APPROVED

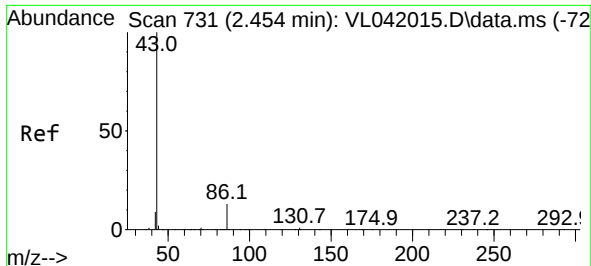
Reviewed By :Semsettin Yesilyurt 02/24/2025
 Supervised By :Mahesh Dadoda 02/24/2025



#22
 trans-1,2-Dichloroethene
 Concen: 10.363 ppbv
 RT: 2.337 min Scan# 695
 Delta R.T. -0.013 min
 Lab File: VL042036.D
 Acq: 21 Feb 2025 11:54

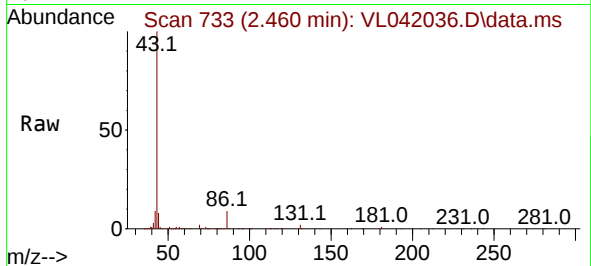
Tgt Ion: 96 Resp: 63330
 Ion Ratio Lower Upper
 96 100
 61 179.5 142.3 213.5
 98 61.1 50.2 75.2





#23
 Vinyl Acetate
 Concen: 10.987 ppbv
 RT: 2.460 min Scan# 716
 Delta R.T. -0.013 min
 Lab File: VL042036.D
 Acq: 21 Feb 2025 11:54

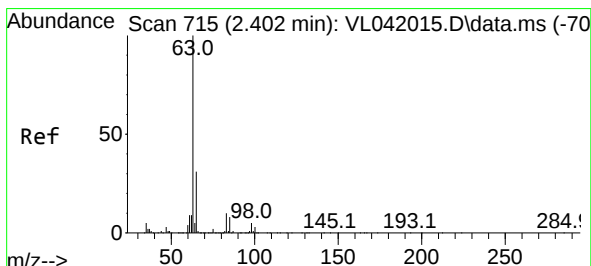
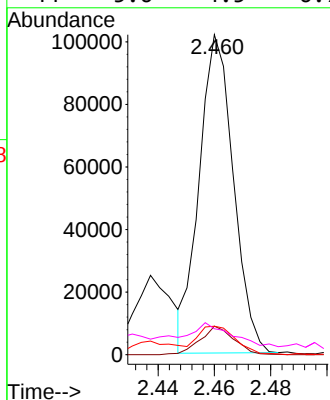
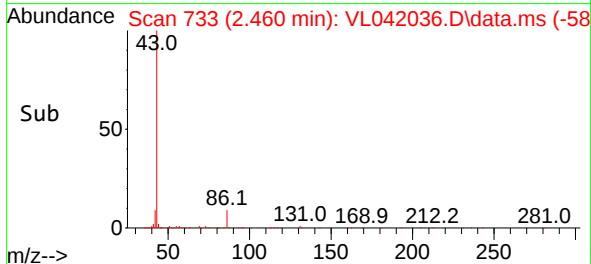
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0221ABS01



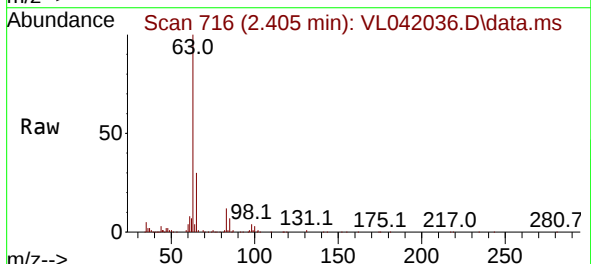
Tgt Ion: 43 Resp: 8566
 Ion Ratio Lower Upper
 43 100
 86 8.9 8.1 12.1
 42 8.7 7.5 11.3
 44 5.6 4.5 6.7

Manual Integrations
 APPROVED

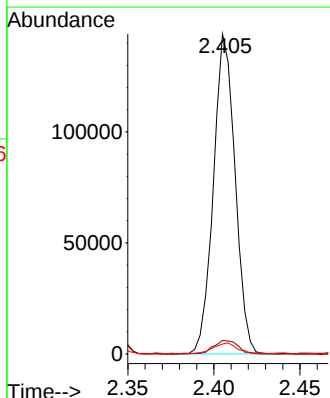
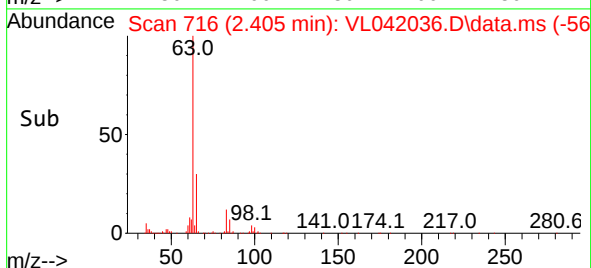
Reviewed By :Semsettin Yesilyurt 02/24/2025
 Supervised By :Mahesh Dadoda 02/24/2025

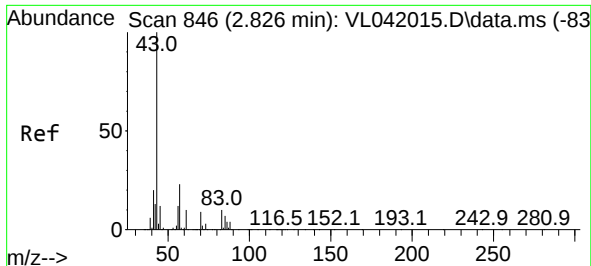


#24
 1,1-Dichloroethane
 Concen: 10.172 ppbv
 RT: 2.405 min Scan# 716
 Delta R.T. -0.013 min
 Lab File: VL042036.D
 Acq: 21 Feb 2025 11:54



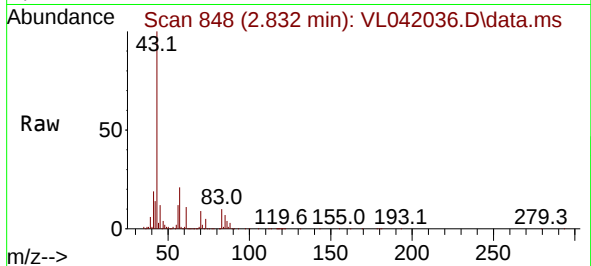
Tgt Ion: 63 Resp: 126212
 Ion Ratio Lower Upper
 63 100
 98 4.2 2.4 7.2
 100 3.0 1.6 4.8





#25
Ethyl Acetate
Concen: 11.390 ppbv
RT: 2.832 min Scan# 84
Delta R.T. -0.016 min
Lab File: VL042036.D
Acq: 21 Feb 2025 11:54

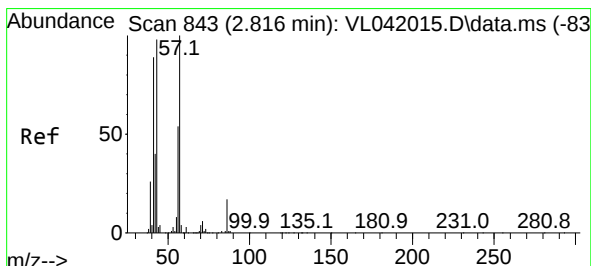
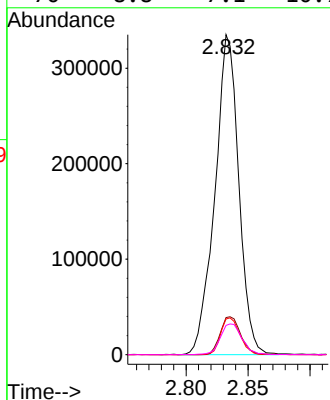
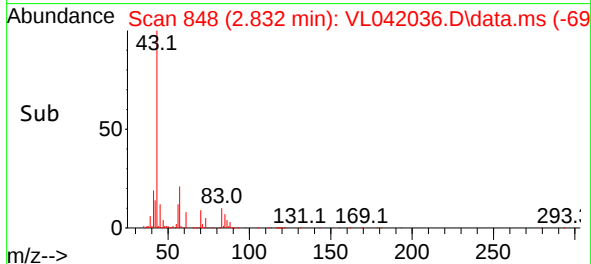
Instrument :
MSVOA_L
ClientSampleId :
VL0221ABS01



Tgt Ion: 43 Resp: 45009
Ion Ratio Lower Upper
43 100
45 10.1 8.1 12.1
61 9.3 7.5 11.3
70 8.8 7.1 10.7

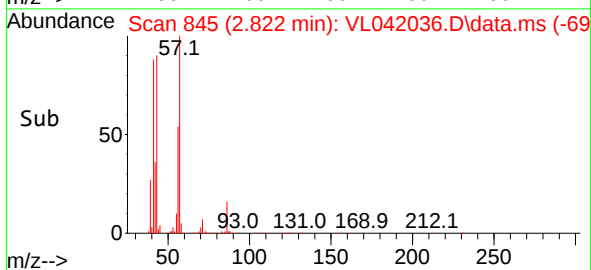
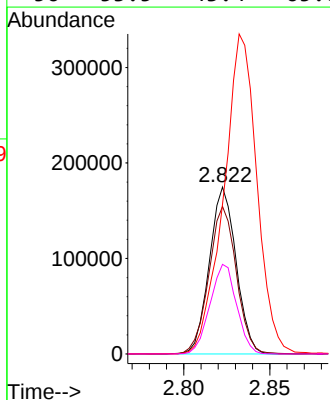
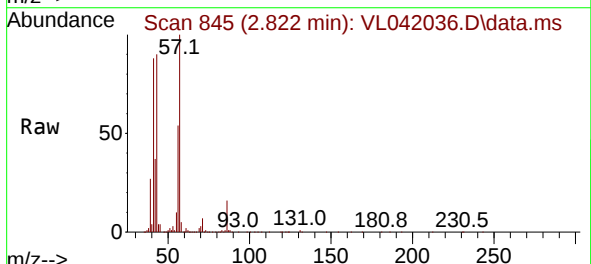
Manual Integrations
APPROVED

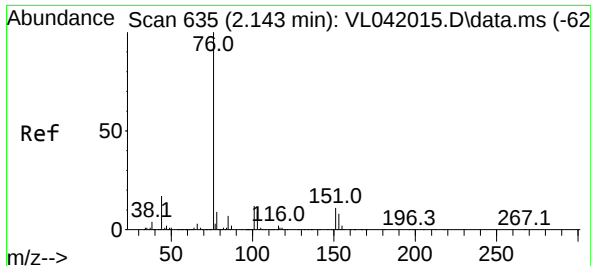
Reviewed By :Semsettin Yesilyurt 02/24/2025
Supervised By :Mahesh Dadoda 02/24/2025



#26
Hexane
Concen: 11.884 ppbv
RT: 2.822 min Scan# 845
Delta R.T. -0.016 min
Lab File: VL042036.D
Acq: 21 Feb 2025 11:54

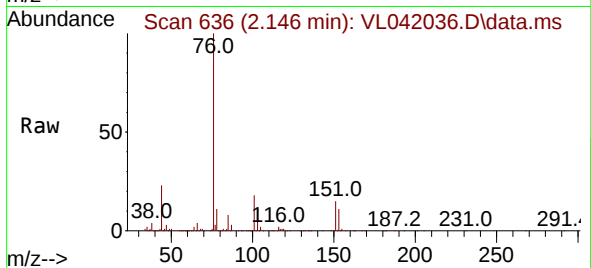
Tgt Ion: 57 Resp: 188468
Ion Ratio Lower Upper
57 100
41 91.5 73.2 109.8
43 239.6 200.8 301.2
56 53.5 43.4 65.0





#27
Carbon Disulfide
Concen: 10.577 ppbv
RT: 2.146 min Scan# 61
Delta R.T. -0.013 min
Lab File: VL042036.D
Acq: 21 Feb 2025 11:54

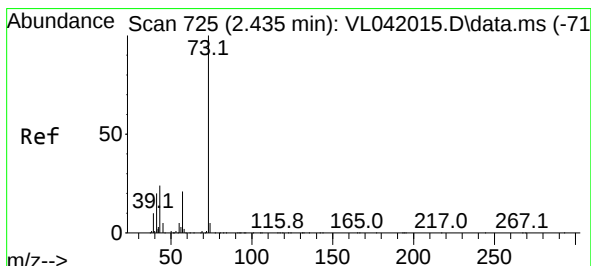
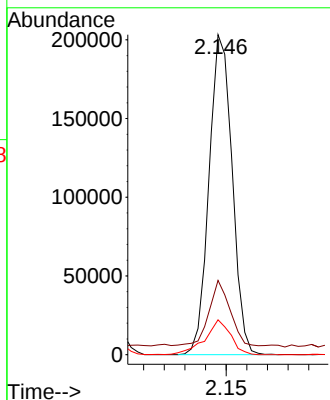
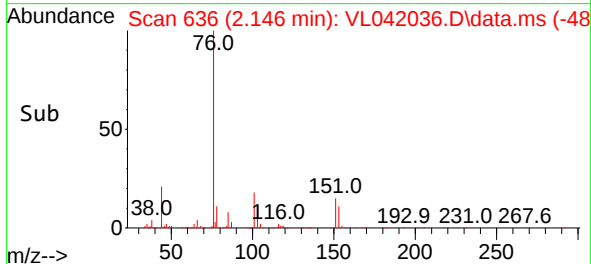
Instrument :
MSVOA_L
ClientSampleId :
VL0221ABS01



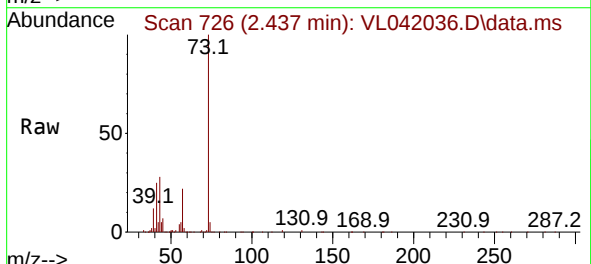
Tgt Ion: 76 Resp: 157760
Ion Ratio Lower Upper
76 100
44 29.0 18.1 27.1
78 12.0 9.5 14.3

Manual Integrations
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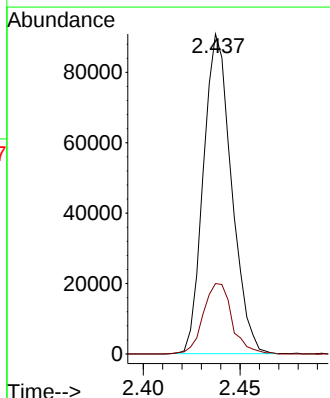
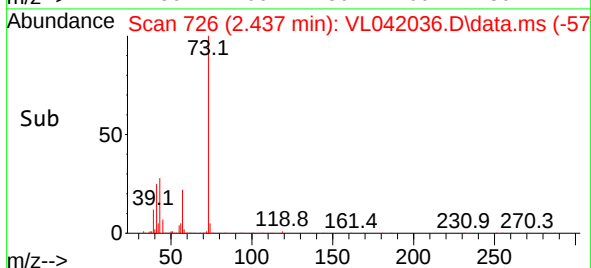
Reviewed By :Semsettin Yesilyurt 02/24/2025
Supervised By :Mahesh Dadoda 02/24/2025

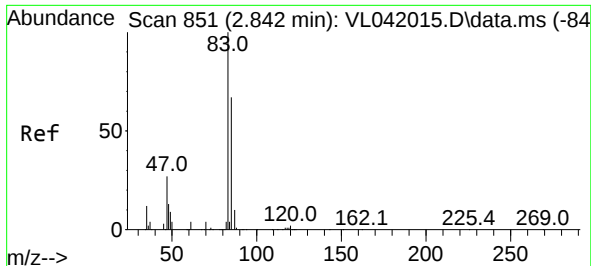


#28
Methyl tert-Butyl Ether
Concen: 9.457 ppbv
RT: 2.437 min Scan# 726
Delta R.T. -0.016 min
Lab File: VL042036.D
Acq: 21 Feb 2025 11:54



Tgt Ion: 73 Resp: 91678
Ion Ratio Lower Upper
73 100
57 22.5 18.3 27.5





#29

Chloroform

Concen: 11.696 ppbv

RT: 2.845 min Scan# 81

Delta R.T. -0.016 min

Lab File: VL042036.D

Acq: 21 Feb 2025 11:54

Instrument :

MSVOA_L

ClientSampleId :

VL0221ABS01

Tgt Ion: 83 Resp: 268628

Ion Ratio Lower Upper

83 100

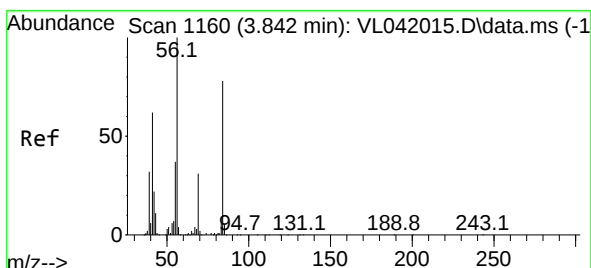
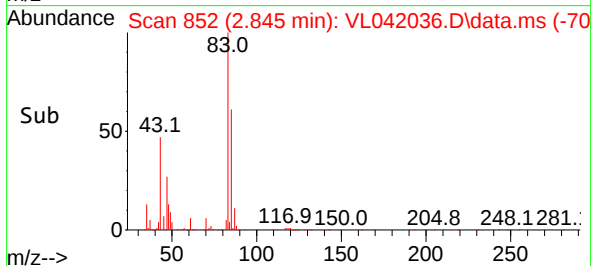
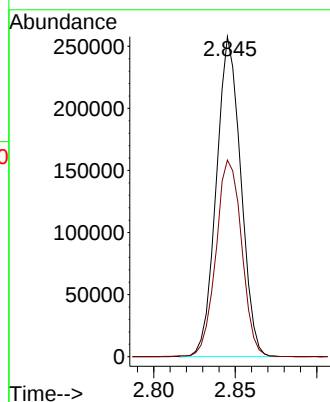
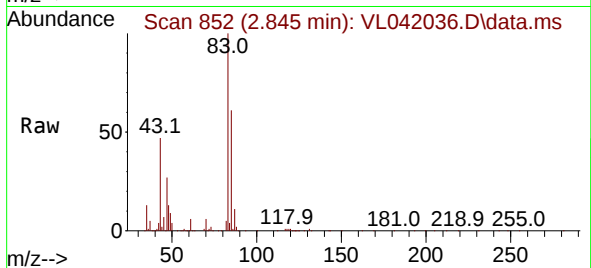
85 61.4 53.8 80.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/24/2025

Supervised By :Mahesh Dadoda 02/24/2025



#30

Cyclohexane

Concen: 12.076 ppbv

RT: 3.852 min Scan# 1163

Delta R.T. -0.023 min

Lab File: VL042036.D

Acq: 21 Feb 2025 11:54

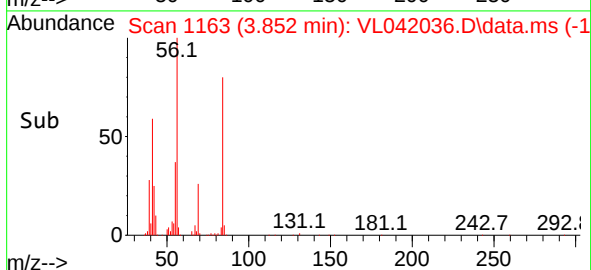
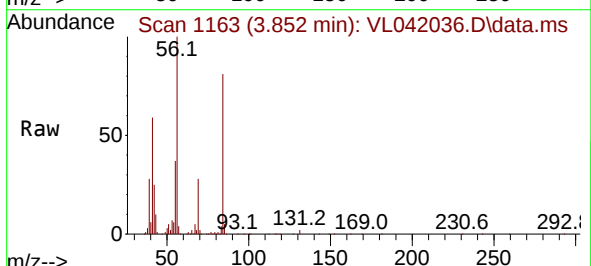
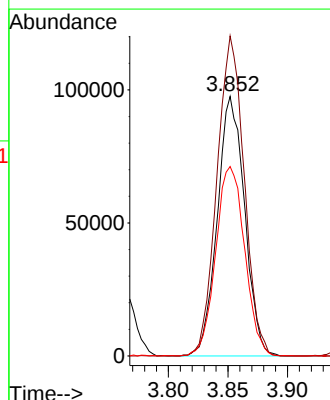
Tgt Ion: 84 Resp: 155350

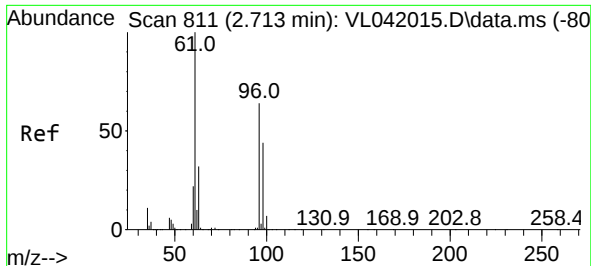
Ion Ratio Lower Upper

84 100

56 123.1 99.5 149.3

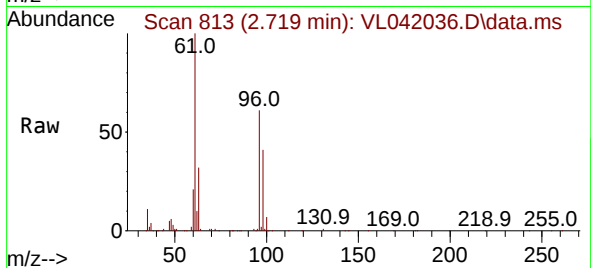
41 77.6 62.2 93.2





#31
 cis-1,2-Dichloroethene
 Concen: 11.775 ppbv
 RT: 2.719 min Scan# 811
 Delta R.T. -0.013 min
 Lab File: VL042036.D
 Acq: 21 Feb 2025 11:54

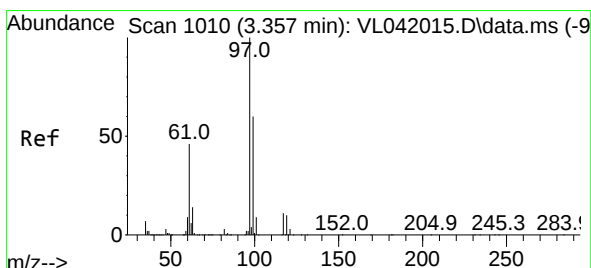
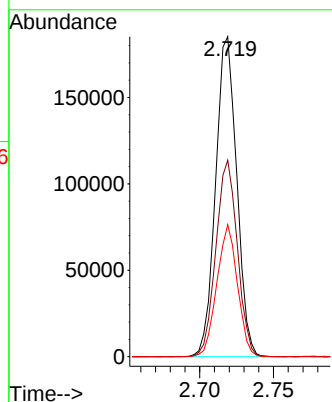
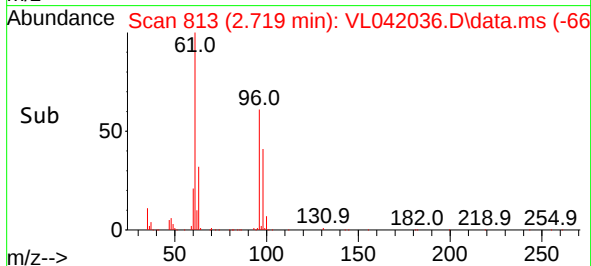
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0221ABS01



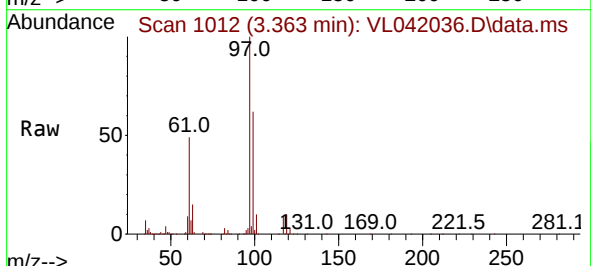
Tgt Ion: 61 Resp: 184559
 Ion Ratio Lower Upper
 61 100
 96 61.4 51.6 77.4
 98 41.3 34.8 52.2

Manual Integrations
 APPROVED

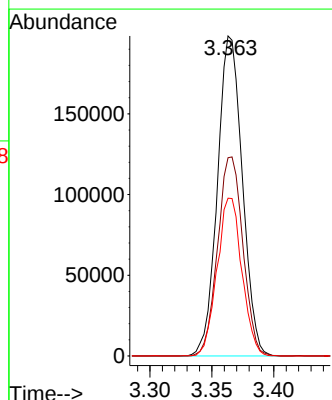
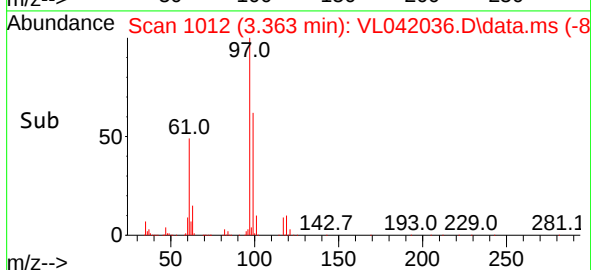
Reviewed By :Semsettin Yesilyurt 02/24/2025
 Supervised By :Mahesh Dadoda 02/24/2025

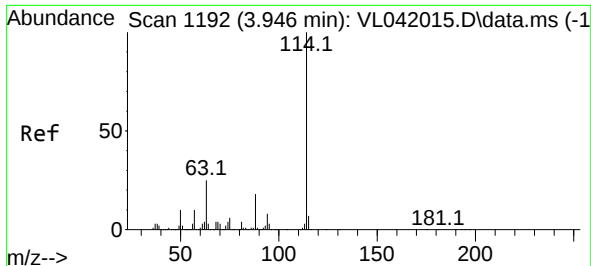


#32
 1,1,1-Trichloroethane
 Concen: 10.913 ppbv
 RT: 3.363 min Scan# 1012
 Delta R.T. -0.019 min
 Lab File: VL042036.D
 Acq: 21 Feb 2025 11:54



Tgt Ion: 97 Resp: 277983
 Ion Ratio Lower Upper
 97 100
 99 63.1 51.0 76.4
 61 49.2 37.9 56.9





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.952 min Scan# 1194

Delta R.T. -0.026 min

Lab File: VL042036.D

Acq: 21 Feb 2025 11:54

Instrument :

MSVOA_L

ClientSampleId :

VL0221ABS01

Tgt Ion:114 Resp: 234490

Ion Ratio Lower Upper

114 100

63 27.4 20.2 30.2

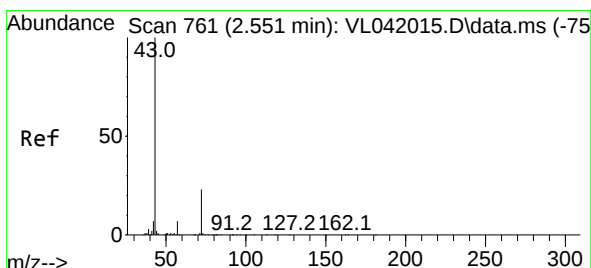
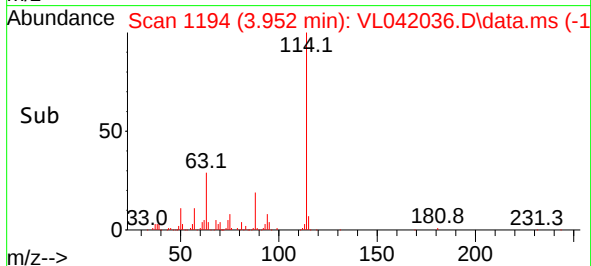
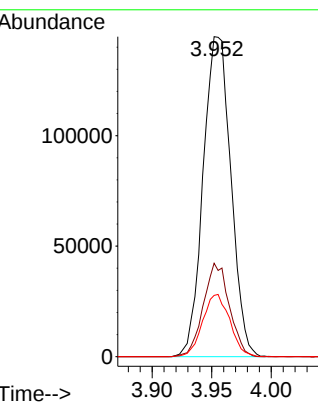
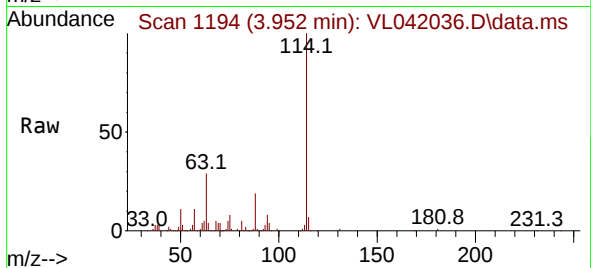
88 19.1 14.4 21.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/24/2025

Supervised By :Mahesh Dadoda 02/24/2025



#34

2-Butanone

Concen: 12.760 ppbv

RT: 2.554 min Scan# 762

Delta R.T. -0.016 min

Lab File: VL042036.D

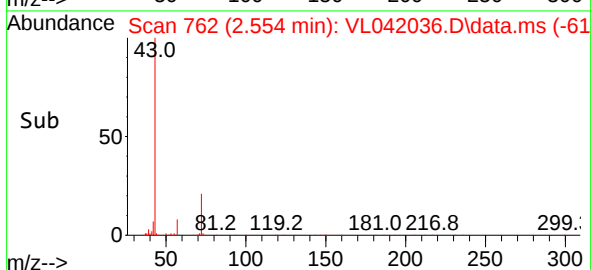
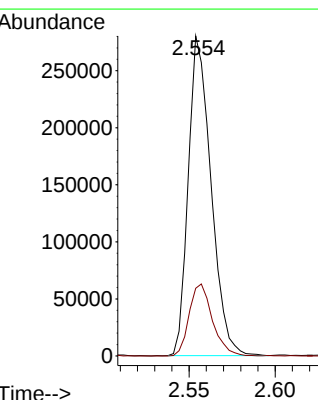
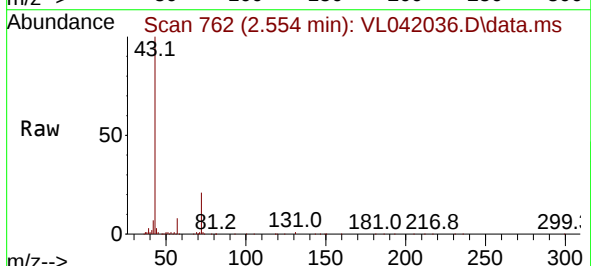
Acq: 21 Feb 2025 11:54

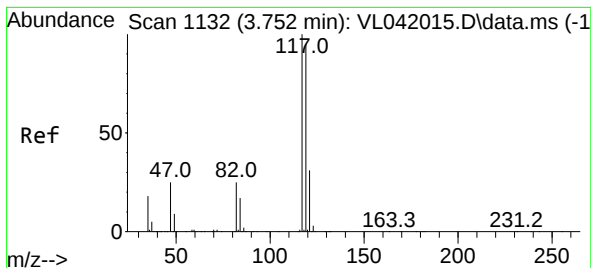
Tgt Ion: 43 Resp: 257422

Ion Ratio Lower Upper

43 100

72 23.1 18.3 27.5





#35

Carbon Tetrachloride

Concen: 11.859 ppbv

RT: 3.758 min Scan# 1102

Delta R.T. -0.023 min

Lab File: VL042036.D

Acq: 21 Feb 2025 11:54

Instrument :

MSVOA_L

ClientSampleId :

VL0221ABS01

Tgt Ion:117 Resp: 27003

Ion Ratio Lower Upper

117 100

119 92.6 75.8 113.6

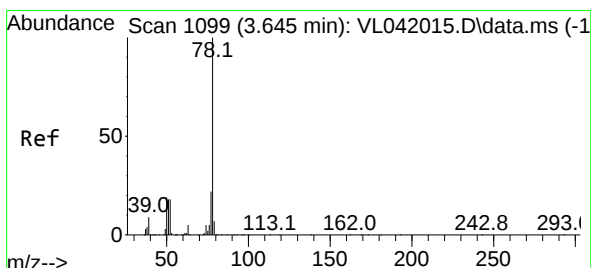
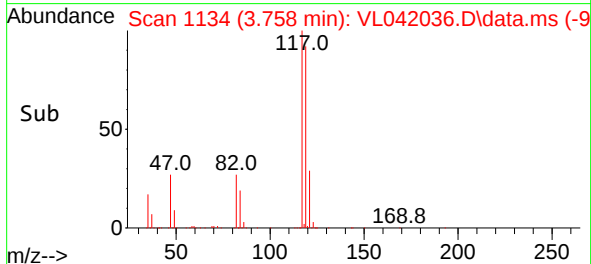
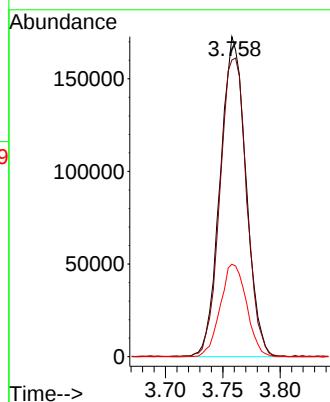
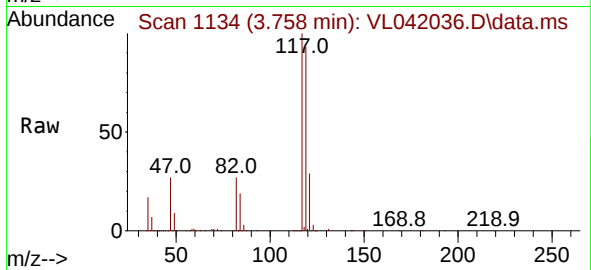
121 28.9 24.6 36.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/24/2025

Supervised By :Mahesh Dadoda 02/24/2025



#36

Benzene

Concen: 12.710 ppbv

RT: 3.654 min Scan# 1102

Delta R.T. -0.019 min

Lab File: VL042036.D

Acq: 21 Feb 2025 11:54

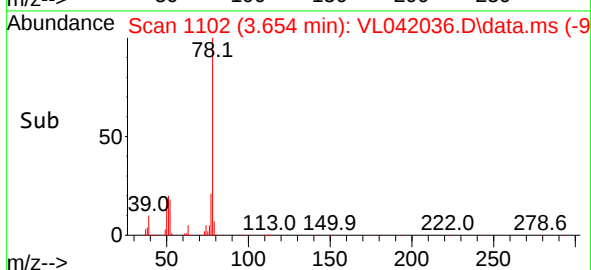
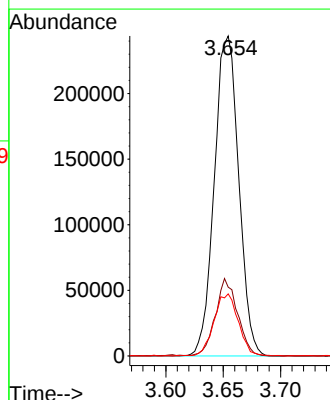
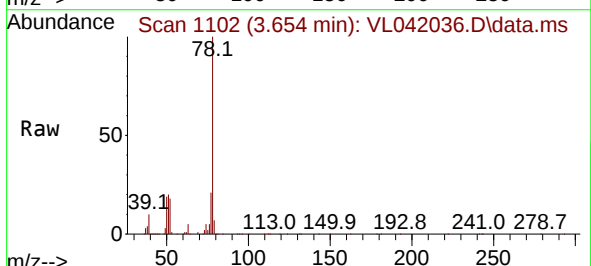
Tgt Ion: 78 Resp: 361009

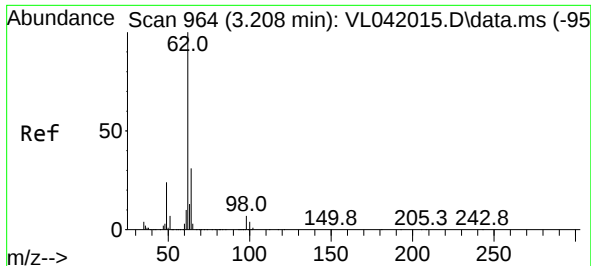
Ion Ratio Lower Upper

78 100

77 21.5 18.0 27.0

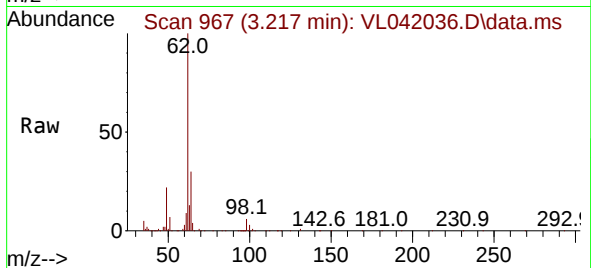
50 19.3 15.2 22.8





#37
1,2-Dichloroethane
Concen: 13.241 ppbv
RT: 3.217 min Scan# 90
Delta R.T. -0.016 min
Lab File: VL042036.D
Acq: 21 Feb 2025 11:54

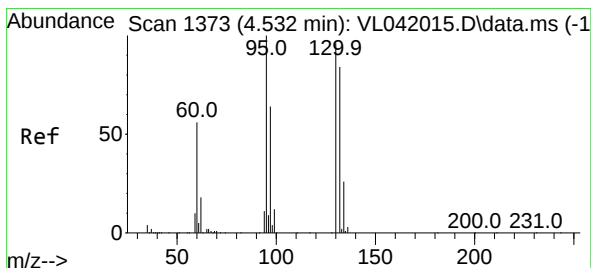
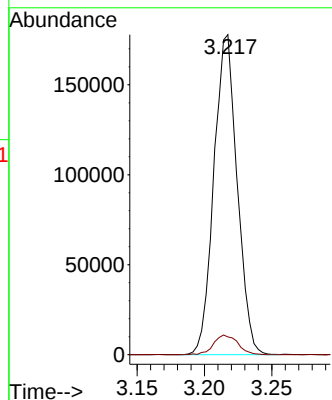
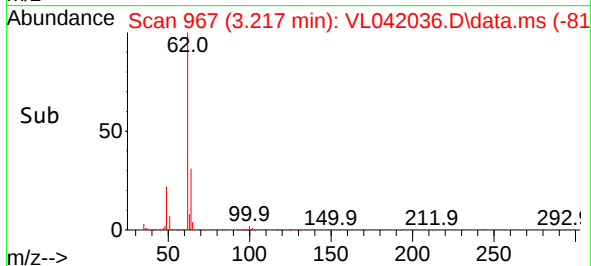
Instrument :
MSVOA_L
ClientSampleId :
VL0221ABS01



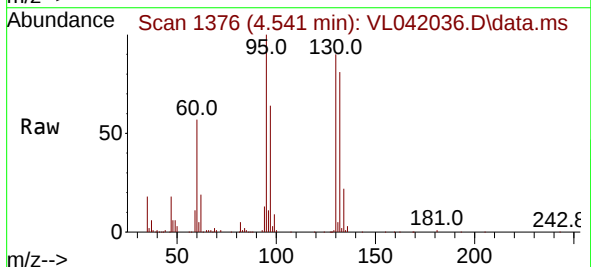
Tgt Ion: 62 Resp: 21410
Ion Ratio Lower Upper
62 100
98 6.4 5.7 8.5

Manual Integrations
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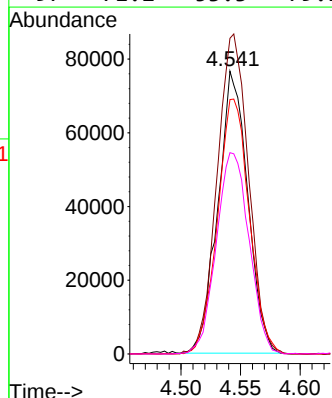
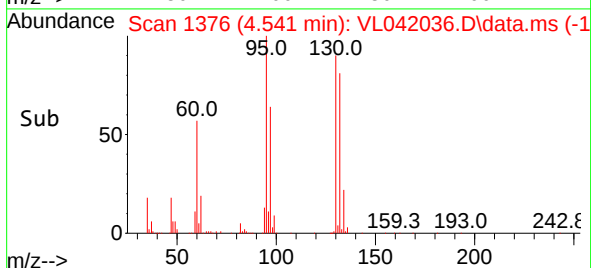
Reviewed By :Semsettin Yesilyurt 02/24/2025
Supervised By :Mahesh Dadoda 02/24/2025

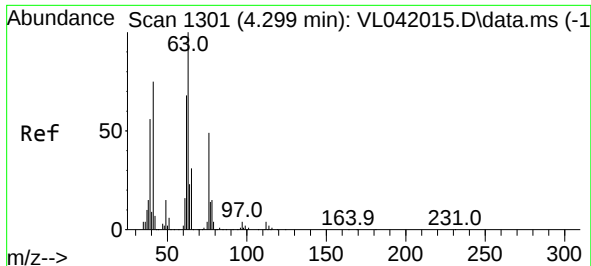


#38
Trichloroethene
Concen: 11.511 ppbv
RT: 4.541 min Scan# 1376
Delta R.T. -0.026 min
Lab File: VL042036.D
Acq: 21 Feb 2025 11:54



Tgt Ion:130 Resp: 132838
Ion Ratio Lower Upper
130 100
95 111.9 82.8 124.2
132 90.0 70.0 105.0
97 71.2 53.3 79.9





#39

1,2-Dichloropropane

Concen: 12.611 ppbv

RT: 4.308 min Scan# 1304

Delta R.T. -0.026 min

Lab File: VL042036.D

Acq: 21 Feb 2025 11:54

Instrument :

MSVOA_L

ClientSampleId :

VL0221ABS01

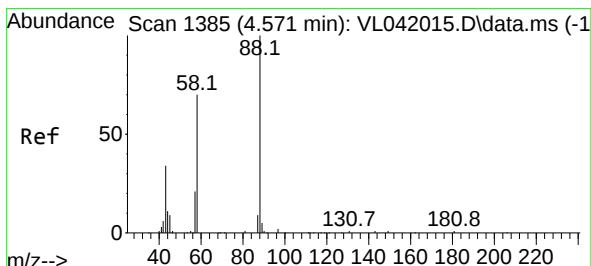
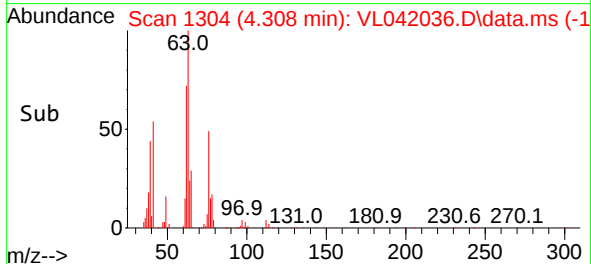
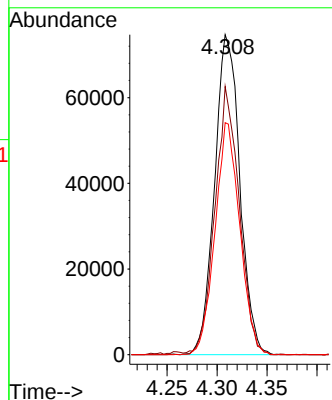
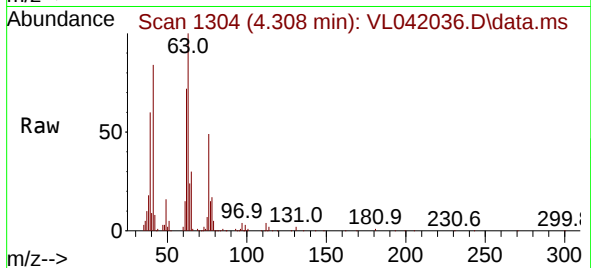
Tgt Ion: 63 Resp: 131324

Ion	Ratio	Lower	Upper
63	100		
41	83.6	60.1	90.1
62	72.5	54.0	81.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/24/2025
Supervised By :Mahesh Dadoda 02/24/2025



#40

1,4-Dioxane

Concen: 10.904 ppbv

RT: 4.583 min Scan# 1389

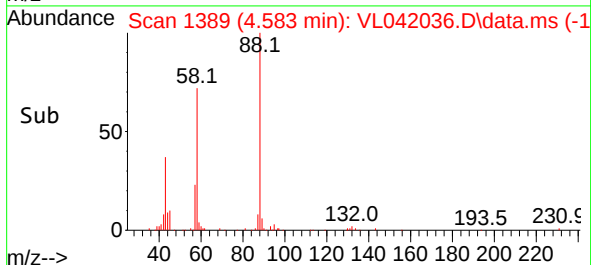
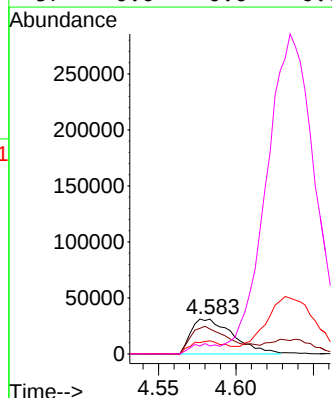
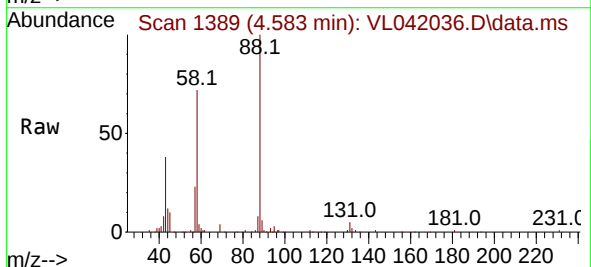
Delta R.T. -0.026 min

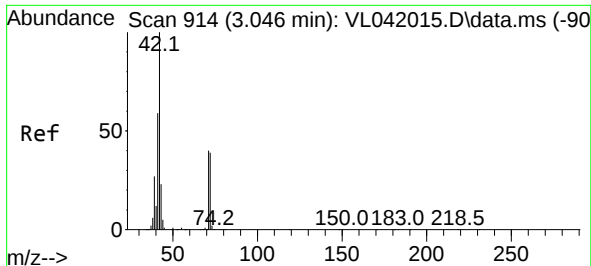
Lab File: VL042036.D

Acq: 21 Feb 2025 11:54

Tgt Ion: 88 Resp: 59088

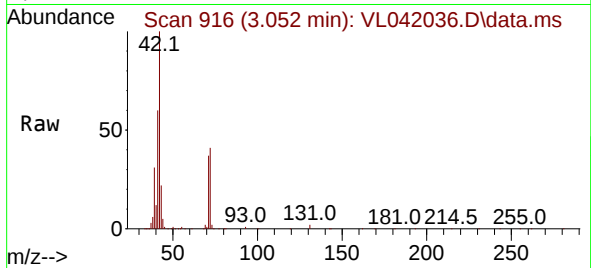
Ion	Ratio	Lower	Upper
88	100		
58	77.5	58.1	87.1
43	0.0	27.3	40.9#
57	0.0	0.0	0.0





#41
Tetrahydrofuran
Concen: 13.069 ppbv
RT: 3.052 min Scan# 914
Delta R.T. -0.016 min
Lab File: VL042036.D
Acq: 21 Feb 2025 11:54

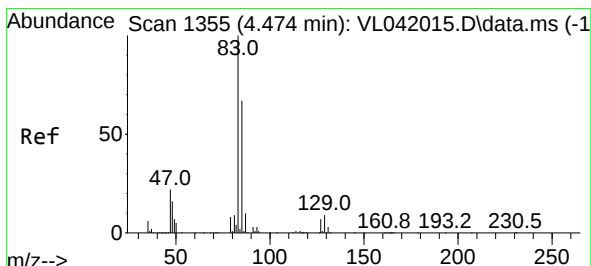
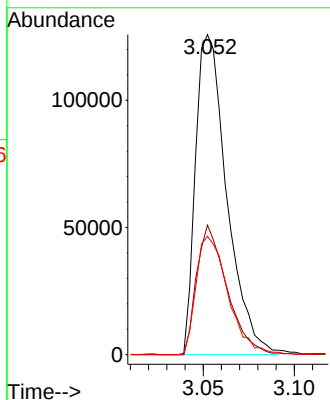
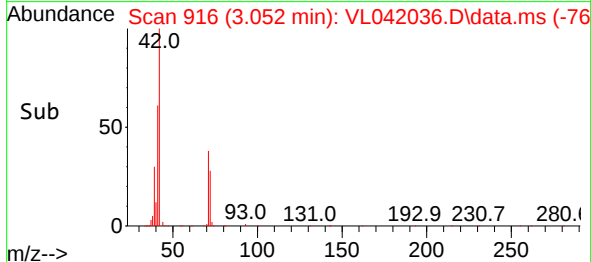
Instrument :
MSVOA_L
ClientSampleId :
VL0221ABS01



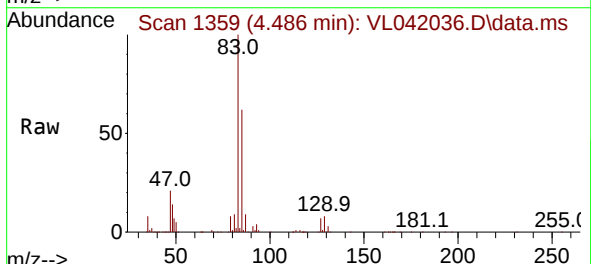
Tgt Ion: 42 Resp: 150679
Ion Ratio Lower Upper
42 100
72 39.5 32.3 48.5
71 37.9 30.9 46.3

Manual Integrations
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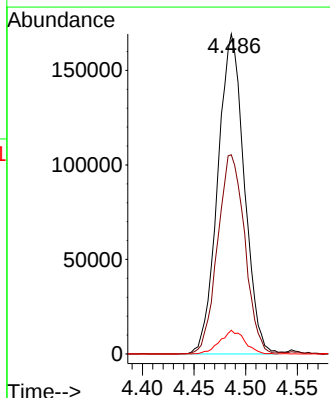
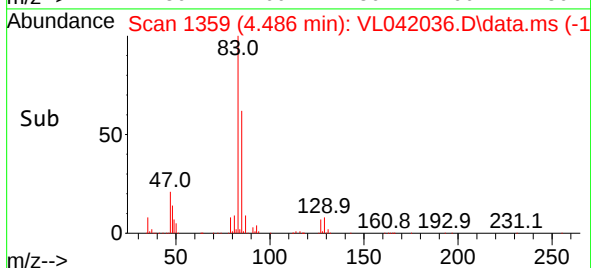
Reviewed By :Semsettin Yesilyurt 02/24/2025
Supervised By :Mahesh Dadoda 02/24/2025

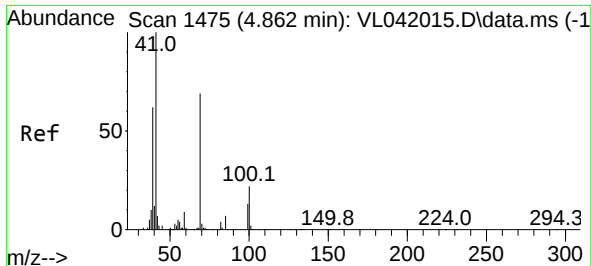


#42
Bromodichloromethane
Concen: 13.773 ppbv
RT: 4.486 min Scan# 1359
Delta R.T. -0.029 min
Lab File: VL042036.D
Acq: 21 Feb 2025 11:54



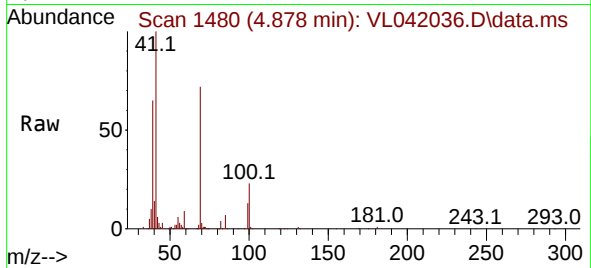
Tgt Ion: 83 Resp: 301730
Ion Ratio Lower Upper
83 100
85 62.3 53.3 79.9
127 7.4 6.0 9.0





#43
Methyl Methacrylate
Concen: 11.436 ppbv
RT: 4.878 min Scan# 1480
Delta R.T. -0.026 min
Lab File: VL042036.D
Acq: 21 Feb 2025 11:54

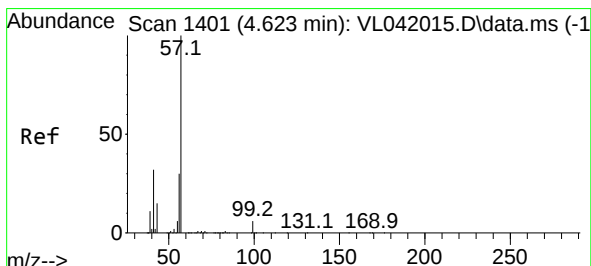
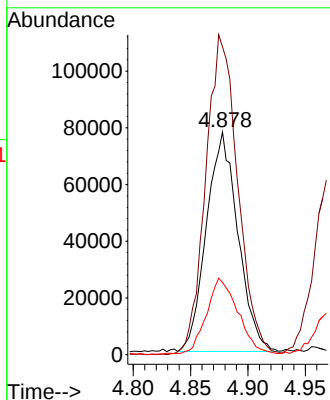
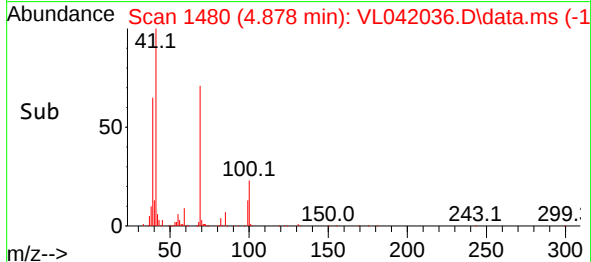
Instrument : MSVOA_L
ClientSampleId : VL0221ABS01



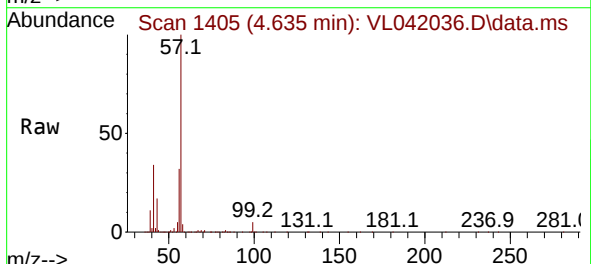
Tgt Ion: 69 Resp: 14808
Ion Ratio Lower Upper
69 100
41 148.3 114.9 172.3
100 35.1 28.8 43.2

Manual Integrations
APPROVED

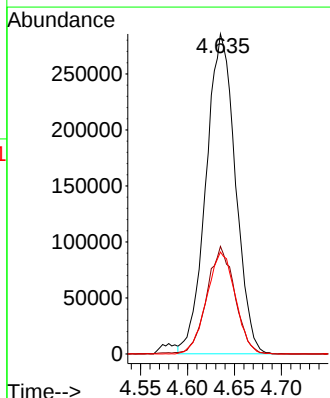
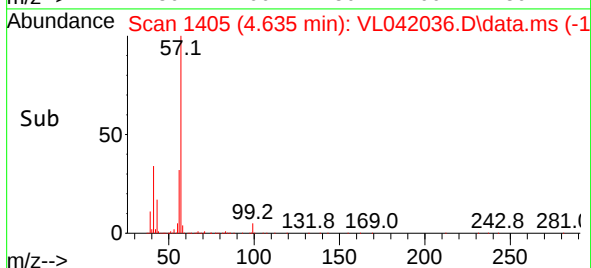
Reviewed By :Semsettin Yesilyurt 02/24/2025
Supervised By :Mahesh Dadoda 02/24/2025

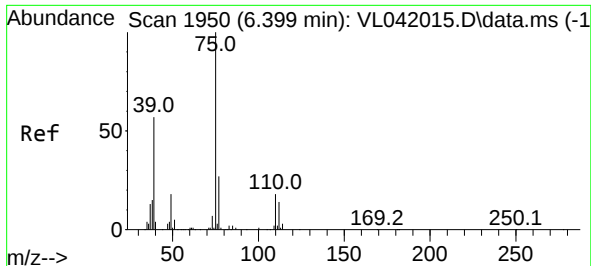


#44
2,2,4-Trimethylpentane
Concen: 12.880 ppbv
RT: 4.635 min Scan# 1405
Delta R.T. -0.029 min
Lab File: VL042036.D
Acq: 21 Feb 2025 11:54



Tgt Ion: 57 Resp: 621047
Ion Ratio Lower Upper
57 100
41 32.3 25.9 38.9
56 31.2 24.9 37.3





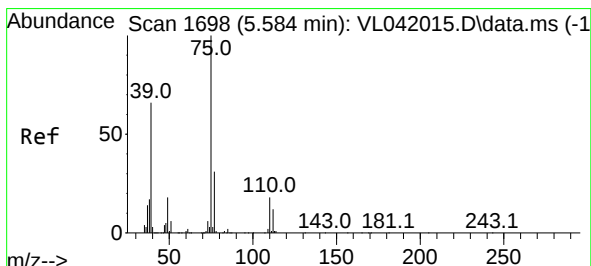
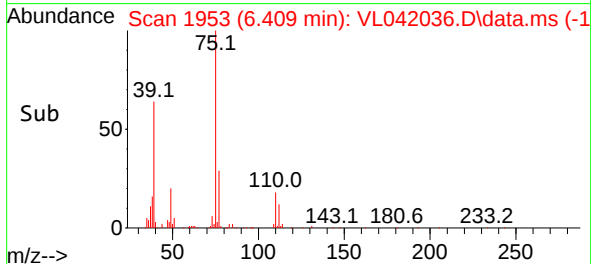
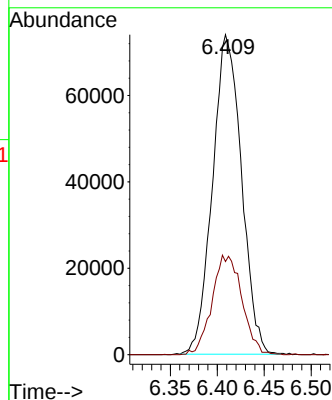
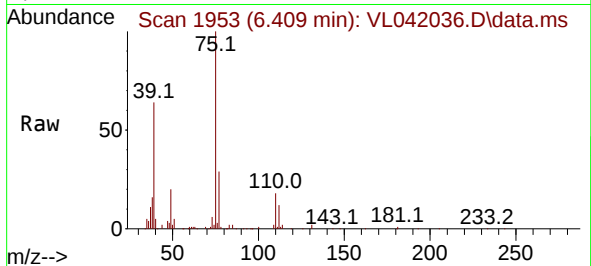
#45
t-1,3-Dichloropropene
Concen: 12.965 ppbv
RT: 6.409 min Scan# 1950
Delta R.T. -0.036 min
Lab File: VL042036.D
Acq: 21 Feb 2025 11:54

Instrument :
MSVOA_L
ClientSampleId :
VL0221ABS01

Tgt Ion: 75 Resp: 15848
Ion Ratio Lower Upper
75 100
77 29.1 22.1 33.1

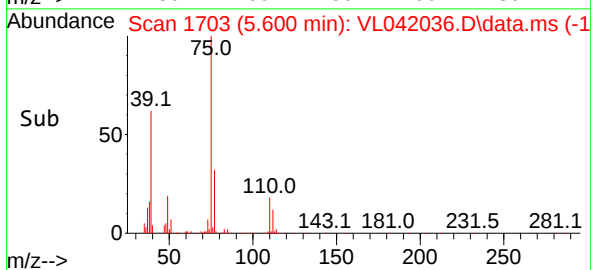
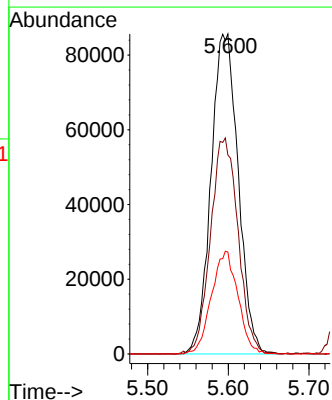
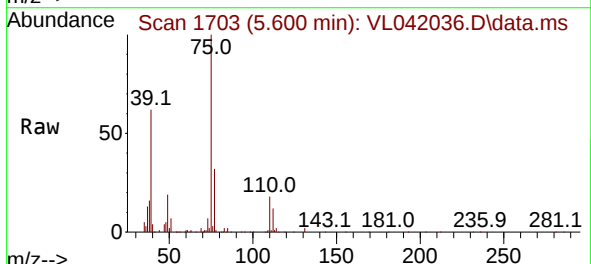
Manual Integrations
APPROVED

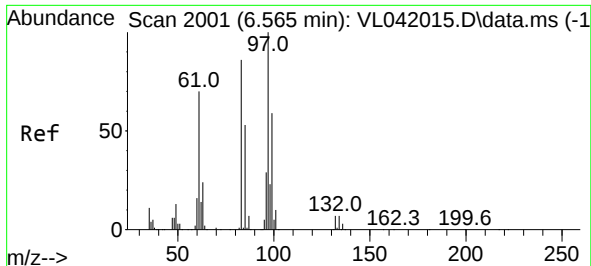
Reviewed By :Semsettin Yesilyurt 02/24/2025
Supervised By :Mahesh Dadoda 02/24/2025



#46
cis-1,3-Dichloropropene
Concen: 12.951 ppbv m
RT: 5.600 min Scan# 1703
Delta R.T. -0.029 min
Lab File: VL042036.D
Acq: 21 Feb 2025 11:54

Tgt Ion: 75 Resp: 200863
Ion Ratio Lower Upper
75 100
39 62.2 52.2 78.4
77 31.9 24.5 36.7





#47

1,1,2-Trichloroethane

Concen: 12.565 ppbv

RT: 6.580 min Scan# 2001

Delta R.T. -0.029 min

Lab File: VL042036.D

Acq: 21 Feb 2025 11:54

Instrument :

MSVOA_L

ClientSampleId :

VL0221ABS01

Tgt Ion: 97 Resp: 137710

Ion Ratio Lower Upper

97 100

83 83.2 68.6 102.8

85 54.0 42.2 63.4

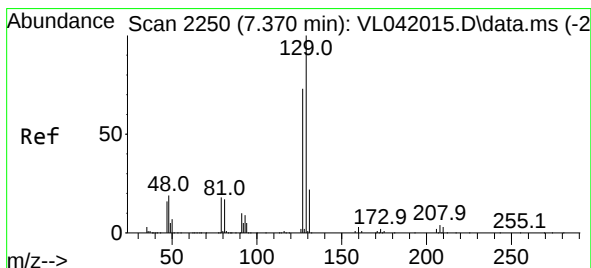
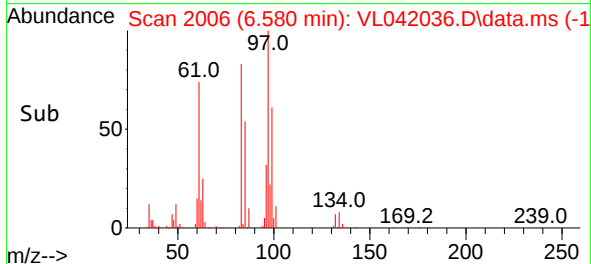
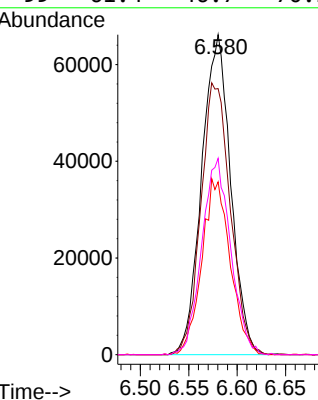
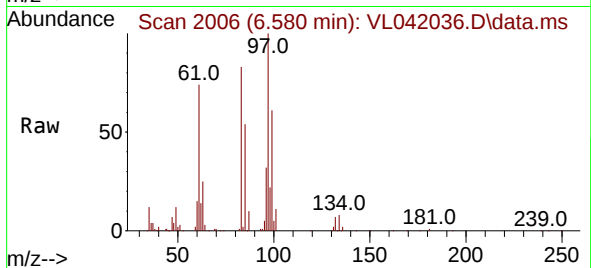
99 61.4 46.7 70.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/24/2025

Supervised By :Mahesh Dadoda 02/24/2025



#48

Dibromochloromethane

Concen: 12.365 ppbv

RT: 7.383 min Scan# 2254

Delta R.T. -0.026 min

Lab File: VL042036.D

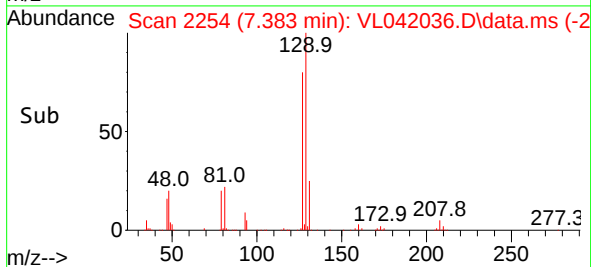
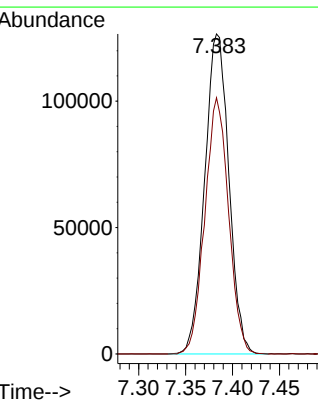
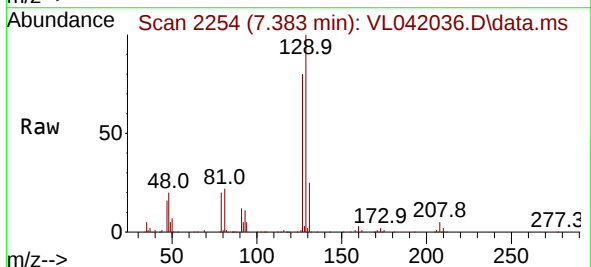
Acq: 21 Feb 2025 11:54

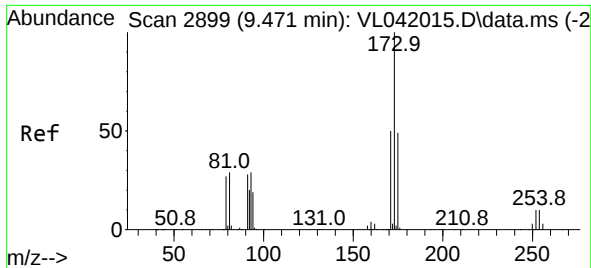
Tgt Ion:129 Resp: 226972

Ion Ratio Lower Upper

129 100

127 78.4 38.2 114.6





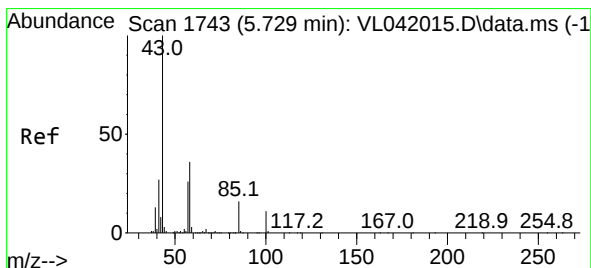
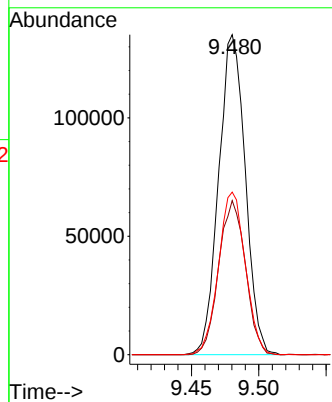
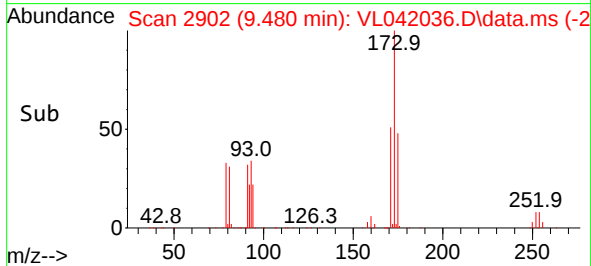
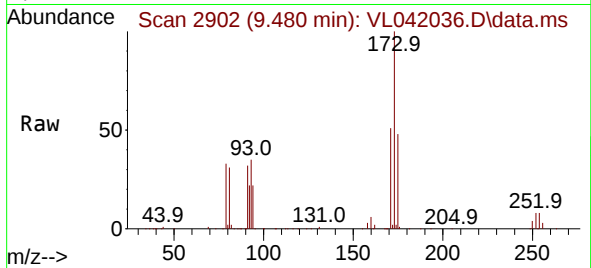
#49
Bromoform
Concen: 12.313 ppbv
RT: 9.480 min Scan# 2902
Delta R.T. -0.019 min
Lab File: VL042036.D
Acq: 21 Feb 2025 11:54

Instrument :
MSVOA_L
ClientSampleId :
VL0221ABS01

Tgt Ion:173 Resp: 185384
Ion Ratio Lower Upper
173 100
175 48.5 39.3 58.9
171 51.3 41.4 62.2

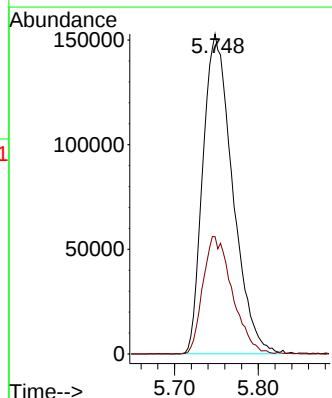
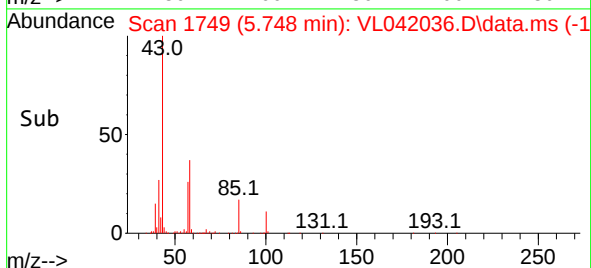
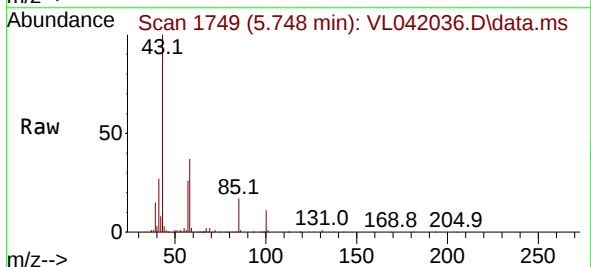
Manual Integrations
APPROVED

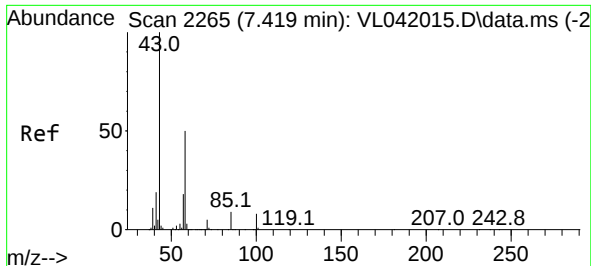
Reviewed By :Semsettin Yesilyurt 02/24/2025
Supervised By :Mahesh Dadoda 02/24/2025



#50
4-Methyl-2-Pentanone
Concen: 12.150 ppbv
RT: 5.748 min Scan# 1749
Delta R.T. -0.036 min
Lab File: VL042036.D
Acq: 21 Feb 2025 11:54

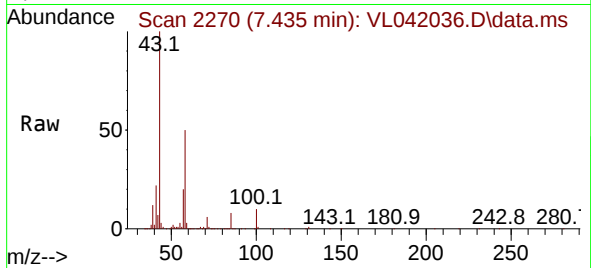
Tgt Ion: 43 Resp: 376694
Ion Ratio Lower Upper
43 100
58 36.6 29.4 44.0





#51
2-Hexanone
Concen: 12.215 ppbv
RT: 7.435 min Scan# 2114
Delta R.T. -0.026 min
Lab File: VL042036.D
Acq: 21 Feb 2025 11:54

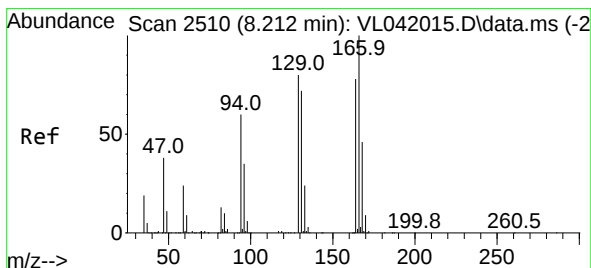
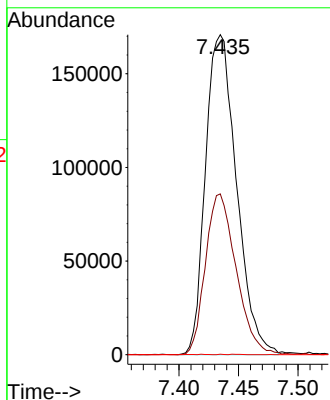
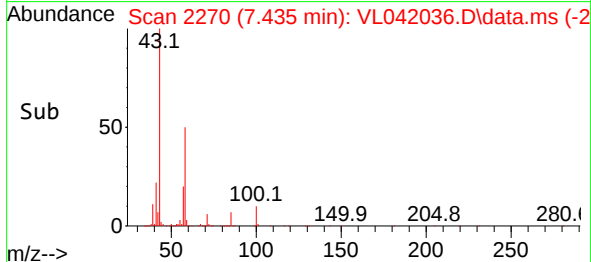
Instrument :
MSVOA_L
ClientSampleId :
VL0221ABS01



Tgt Ion: 43 Resp: 30974
Ion Ratio Lower Upper
43 100
58 49.8 41.4 62.0
98 0.0 0.0 0.0

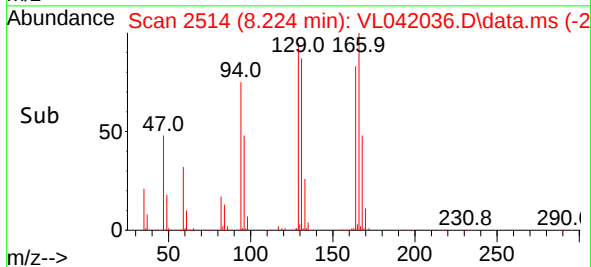
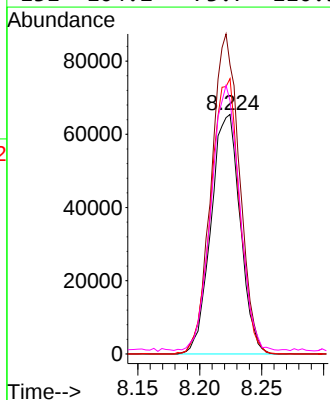
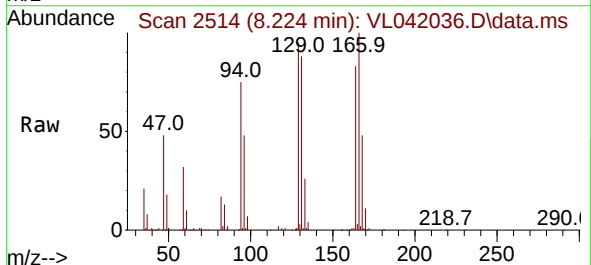
Manual Integrations
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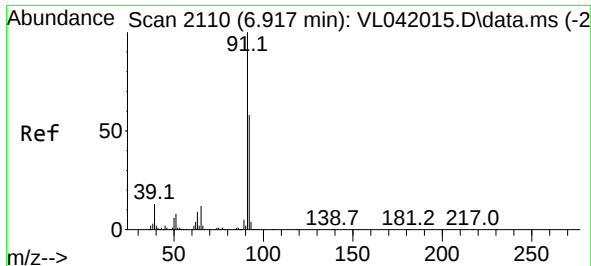
Reviewed By :Semsettin Yesilyurt 02/24/2025
Supervised By :Mahesh Dadoda 02/24/2025



#52
Tetrachloroethene
Concen: 10.803 ppbv
RT: 8.224 min Scan# 2514
Delta R.T. -0.019 min
Lab File: VL042036.D
Acq: 21 Feb 2025 11:54

Tgt Ion:164 Resp: 107025
Ion Ratio Lower Upper
164 100
166 120.7 102.2 153.2
129 115.0 82.2 123.4
131 104.2 73.7 110.5





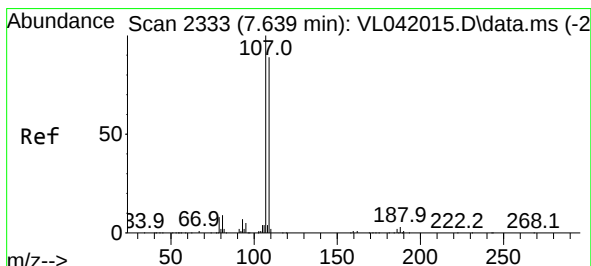
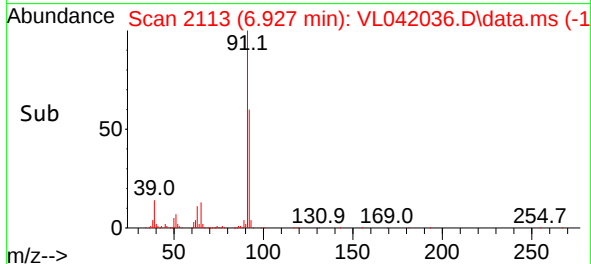
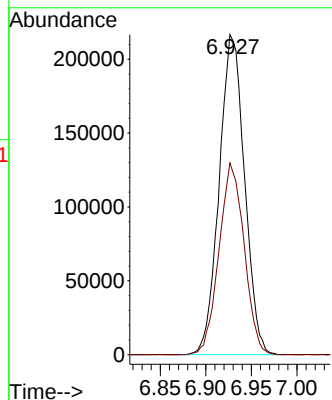
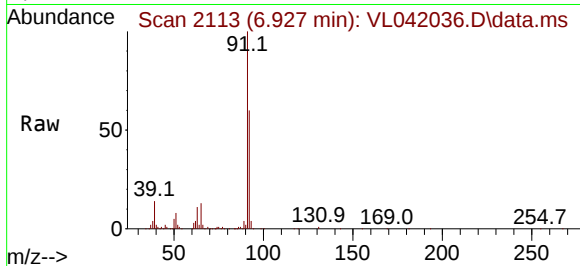
#53
Toluene
Concen: 12.373 ppbv
RT: 6.927 min Scan# 2110
Delta R.T. -0.029 min
Lab File: VL042036.D
Acq: 21 Feb 2025 11:54

Instrument :
MSVOA_L
ClientSampleId :
VL0221ABS01

Tgt Ion: 91 Resp: 418778
Ion Ratio Lower Upper
91 100
92 59.4 47.5 71.3

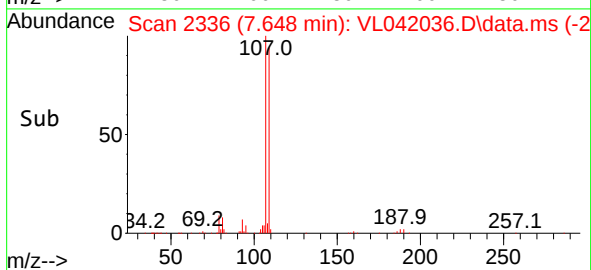
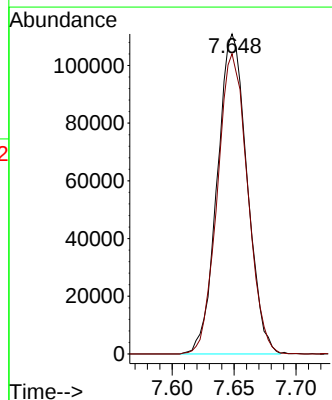
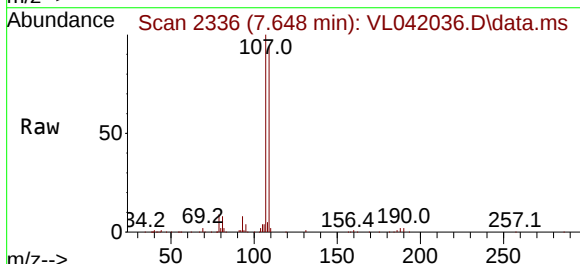
Manual Integrations
APPROVED

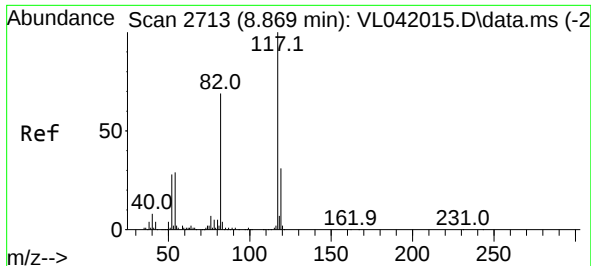
Reviewed By :Semsettin Yesilyurt 02/24/2025
Supervised By :Mahesh Dadoda 02/24/2025



#54
1,2-Dibromoethane
Concen: 12.337 ppbv
RT: 7.648 min Scan# 2336
Delta R.T. -0.026 min
Lab File: VL042036.D
Acq: 21 Feb 2025 11:54

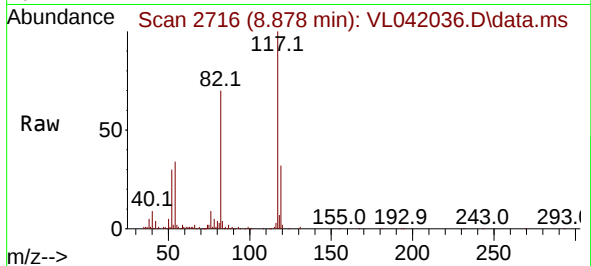
Tgt Ion:107 Resp: 186165
Ion Ratio Lower Upper
107 100
109 93.8 71.5 107.3





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.878 min Scan# 21735
Delta R.T. -0.019 min
Lab File: VL042036.D
Acq: 21 Feb 2025 11:54

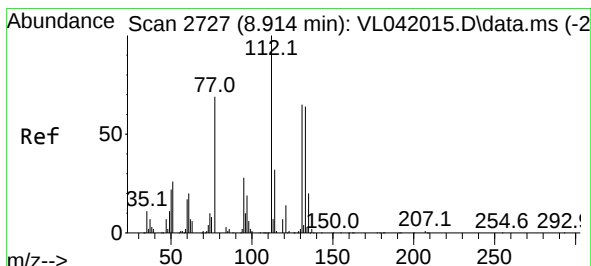
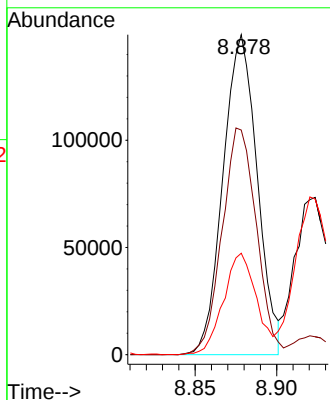
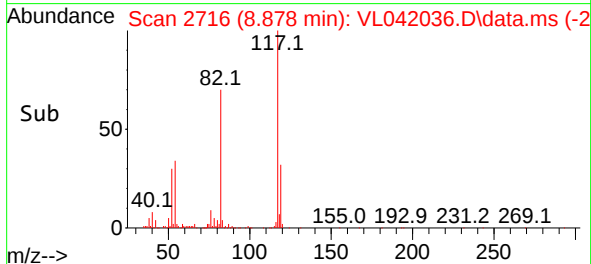
Instrument :
MSVOA_L
ClientSampleId :
VL0221ABS01



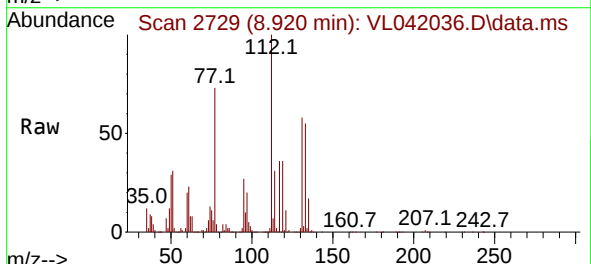
Tgt Ion:117 Resp: 21735
Ion Ratio Lower Upper
117 100
82 71.3 55.7 83.5
119 30.7 25.2 37.8

Manual Integrations
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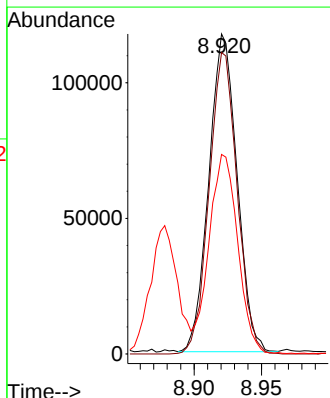
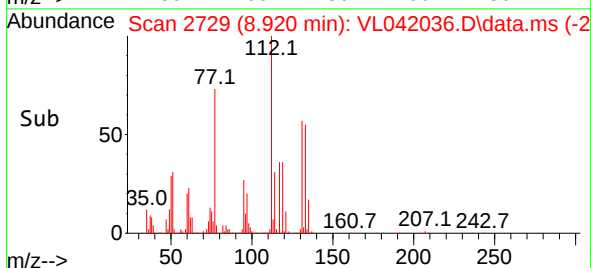
Reviewed By :Semsettin Yesilyurt 02/24/2025
Supervised By :Mahesh Dadoda 02/24/2025

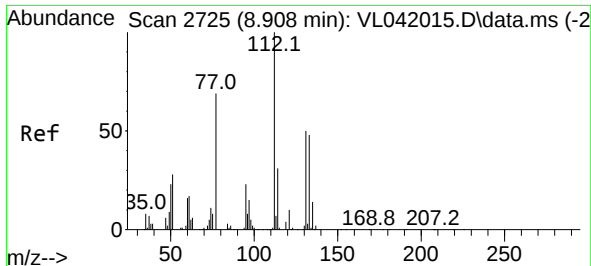


#56
1,1,1,2-Tetrachloroethane
Concen: 10.946 ppbv
RT: 8.920 min Scan# 2729
Delta R.T. -0.023 min
Lab File: VL042036.D
Acq: 21 Feb 2025 11:54



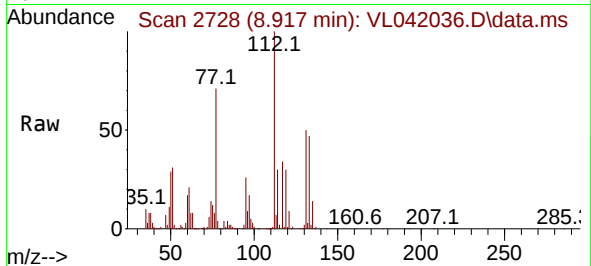
Tgt Ion:131 Resp: 170287
Ion Ratio Lower Upper
131 100
133 94.5 77.8 116.8
119 63.5 49.1 73.7





#57
Chlorobenzene
Concen: 11.626 ppbv
RT: 8.917 min Scan# 21
Delta R.T. -0.023 min
Lab File: VL042036.D
Acq: 21 Feb 2025 11:54

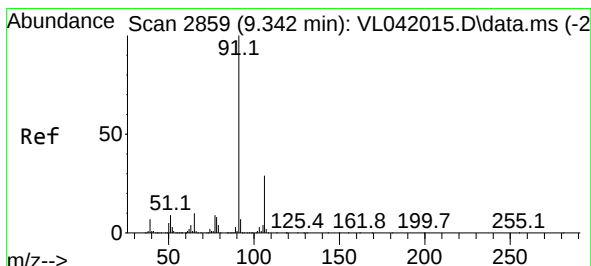
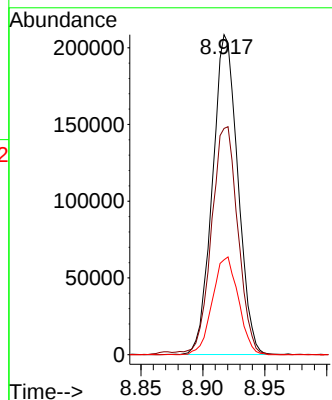
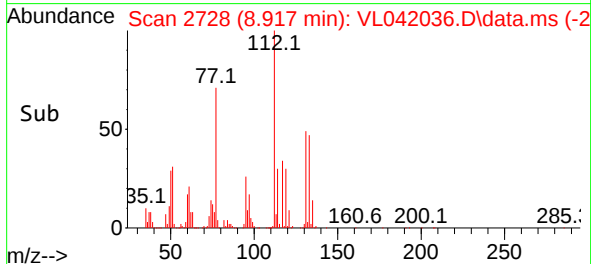
Instrument :
MSVOA_L
ClientSampleId :
VL0221ABS01



Tgt Ion:112 Resp: 29726
Ion Ratio Lower Upper
112 100
77 70.8 56.2 84.2
114 29.7 28.2 34.4

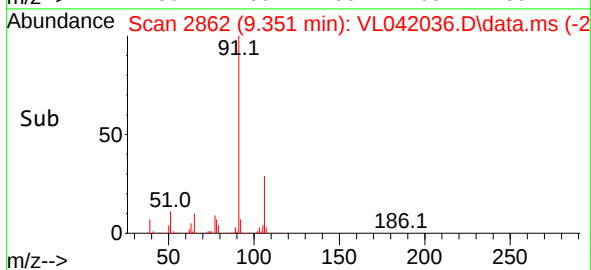
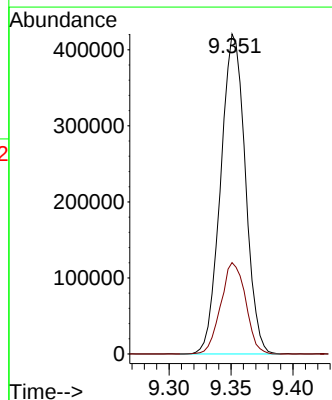
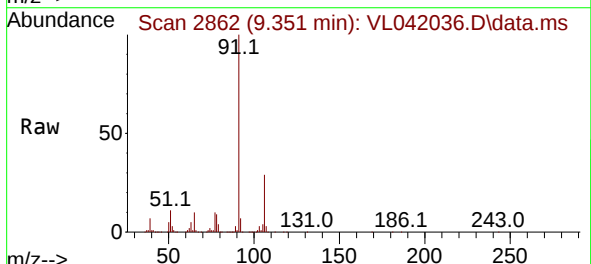
Manual Integrations
APPROVED

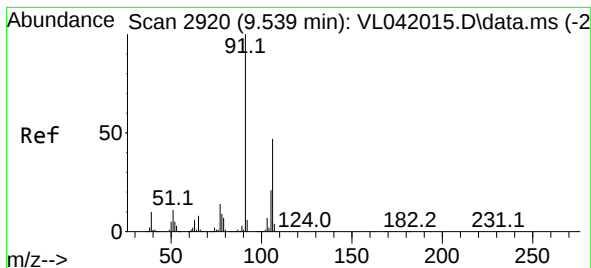
Reviewed By :Semsettin Yesilyurt 02/24/2025
Supervised By :Mahesh Dadoda 02/24/2025



#58
Ethyl Benzene
Concen: 12.253 ppbv
RT: 9.351 min Scan# 2862
Delta R.T. -0.019 min
Lab File: VL042036.D
Acq: 21 Feb 2025 11:54

Tgt Ion: 91 Resp: 582870
Ion Ratio Lower Upper
91 100
106 28.6 23.1 34.7





#59

m/p-Xylene

Concen: 24.478 ppbv m

RT: 9.548 min Scan# 29

Delta R.T. 0.000 min

Lab File: VL042036.D

Acq: 21 Feb 2025 11:54

Instrument :

MSVOA_L

ClientSampleId :

VL0221ABS01

Tgt Ion: 91 Resp: 917130

Ion Ratio Lower Upper

91 100

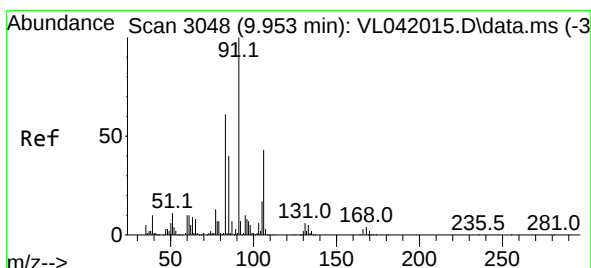
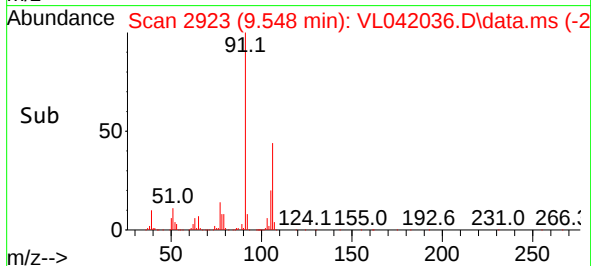
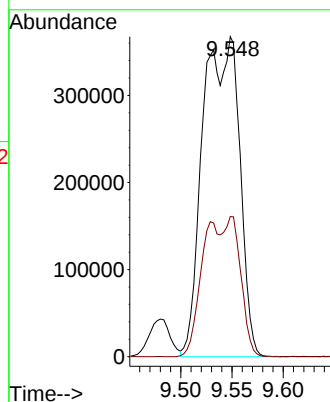
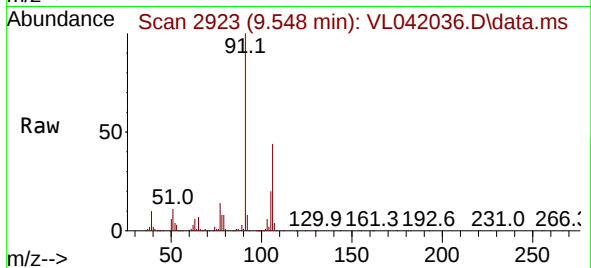
106 0.0 35.8 53.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/24/2025

Supervised By :Mahesh Dadoda 02/24/2025



#60

o-Xylene

Concen: 12.078 ppbv

RT: 9.963 min Scan# 3051

Delta R.T. -0.016 min

Lab File: VL042036.D

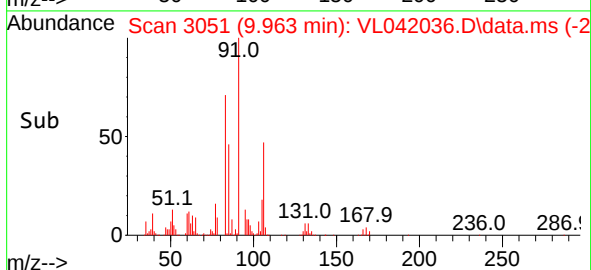
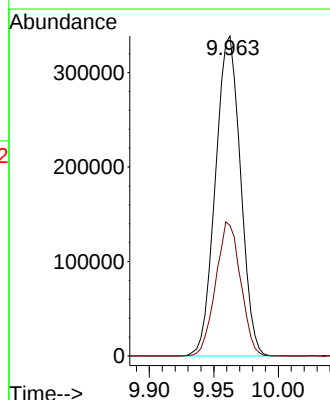
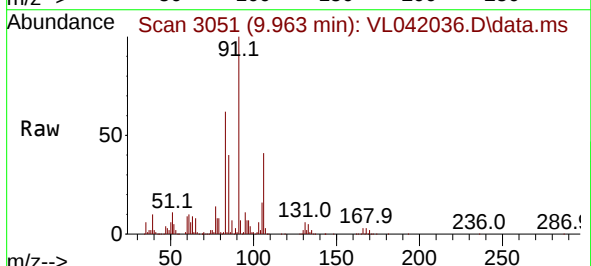
Acq: 21 Feb 2025 11:54

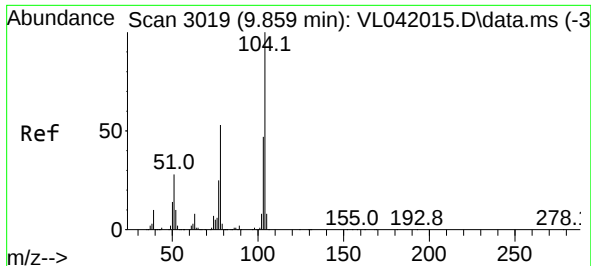
Tgt Ion: 91 Resp: 457674

Ion Ratio Lower Upper

91 100

106 41.6 21.4 64.3





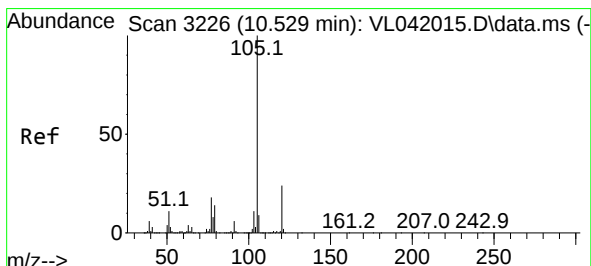
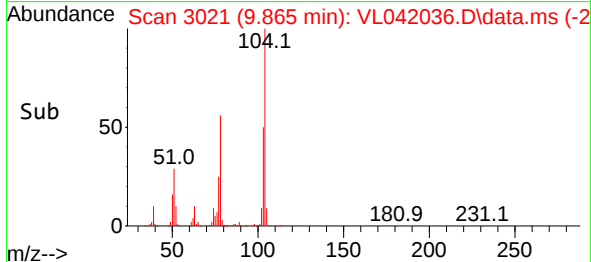
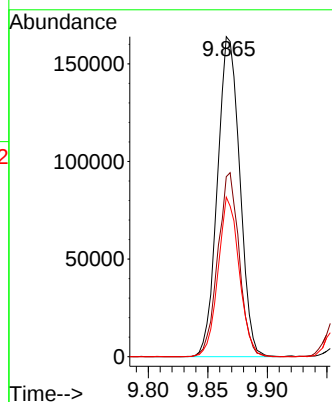
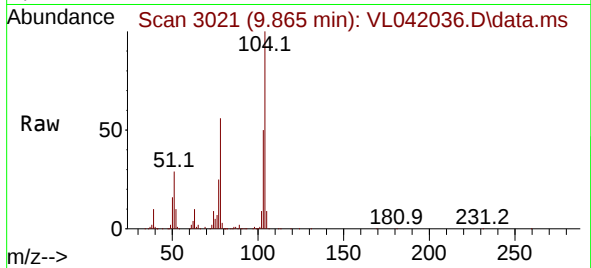
#61
Styrene
Concen: 11.806 ppbv
RT: 9.865 min Scan# 3019
Delta R.T. -0.019 min
Lab File: VL042036.D
Acq: 21 Feb 2025 11:54

Instrument : MSVOA_L
ClientSampleId : VL0221ABS01

Tgt Ion:104 Resp: 21333
Ion Ratio Lower Upper
104 100
78 55.0 42.2 63.4
103 47.2 38.1 57.1

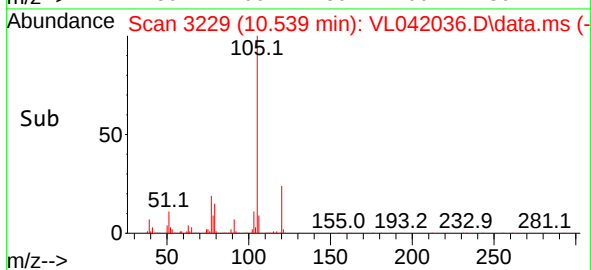
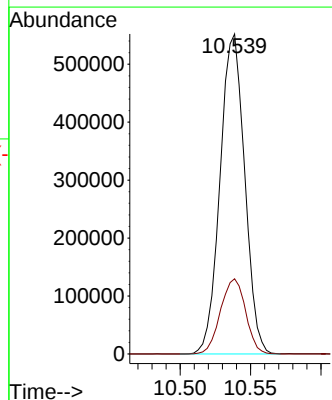
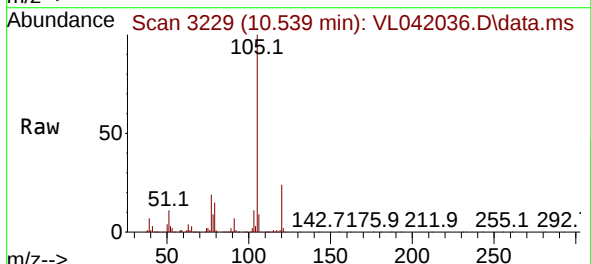
Manual Integrations
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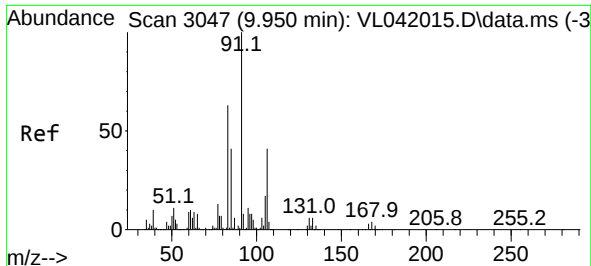
Reviewed By :Semsettin Yesilyurt 02/24/2025
Supervised By :Mahesh Dadoda 02/24/2025



#62
Isopropylbenzene
Concen: 11.832 ppbv
RT: 10.539 min Scan# 3229
Delta R.T. -0.016 min
Lab File: VL042036.D
Acq: 21 Feb 2025 11:54

Tgt Ion:105 Resp: 673139
Ion Ratio Lower Upper
105 100
120 23.9 19.8 29.8





#63

1,1,2,2-Tetrachloroethane

Concen: 11.510 ppbv

RT: 9.959 min Scan# 3047

Delta R.T. -0.019 min

Lab File: VL042036.D

Acq: 21 Feb 2025 11:54

Instrument :

MSVOA_L

ClientSampleId :

VL0221ABS01

Tgt Ion: 83 Resp: 28140

Ion Ratio Lower Upper

83 100

131 9.5 5.0 15.0

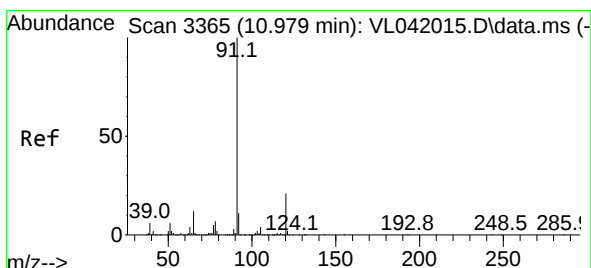
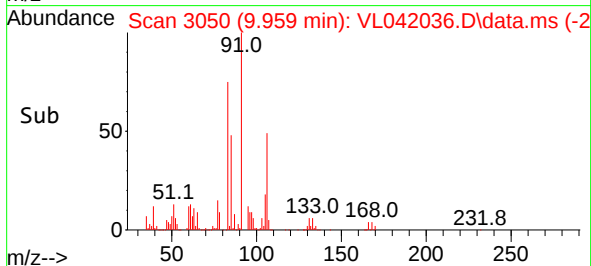
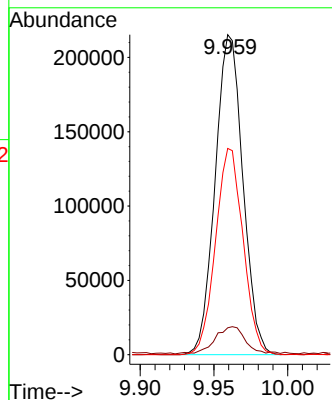
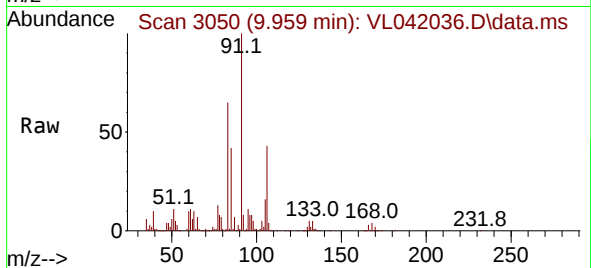
85 64.1 32.1 96.3

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 02/24/2025

Supervised By :Mahesh Dadoda 02/24/2025



#64

n-propylbenzene

Concen: 11.592 ppbv

RT: 10.985 min Scan# 3367

Delta R.T. -0.019 min

Lab File: VL042036.D

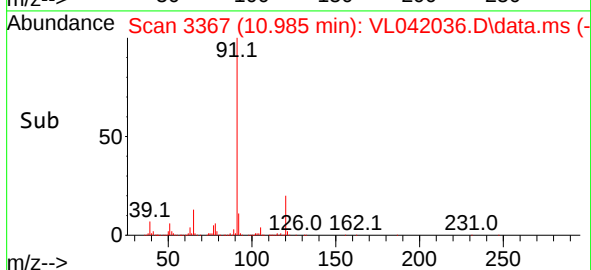
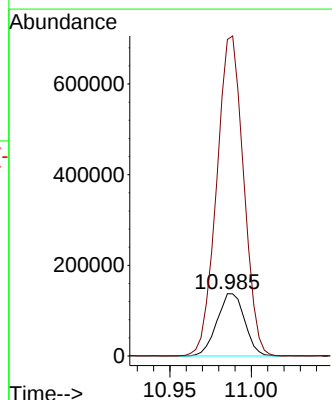
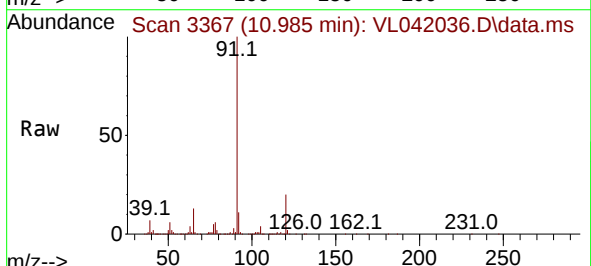
Acq: 21 Feb 2025 11:54

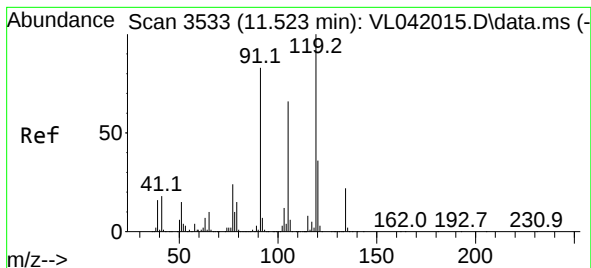
Tgt Ion:120 Resp: 162043

Ion Ratio Lower Upper

120 100

91 501.5 392.2 588.2





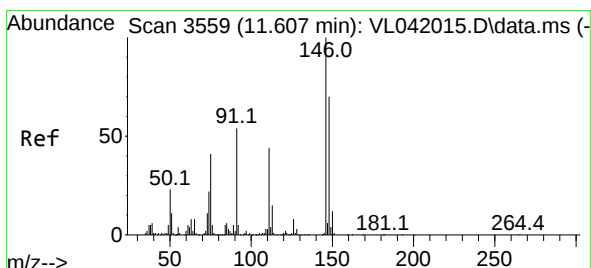
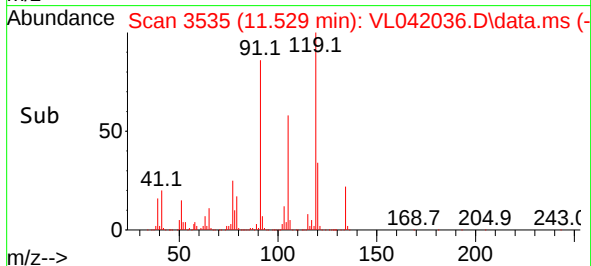
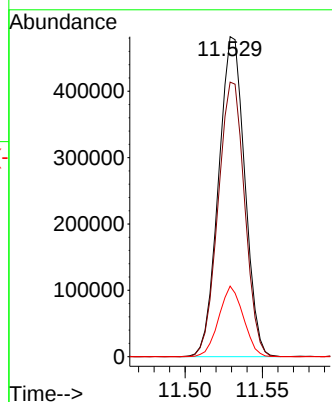
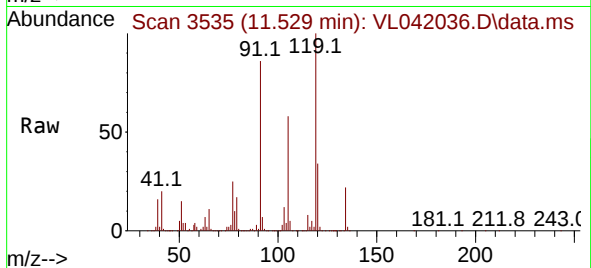
#65
tert-Butylbenzene
Concen: 11.443 ppbv
RT: 11.529 min Scan# 3533
Delta R.T. -0.016 min
Lab File: VL042036.D
Acq: 21 Feb 2025 11:54

Instrument :
MSVOA_L
ClientSampleId :
VL0221ABS01

Tgt Ion:119 Resp: 56750
Ion Ratio Lower Upper
119 100
91 86.9 66.5 99.7
134 20.7 16.6 24.8

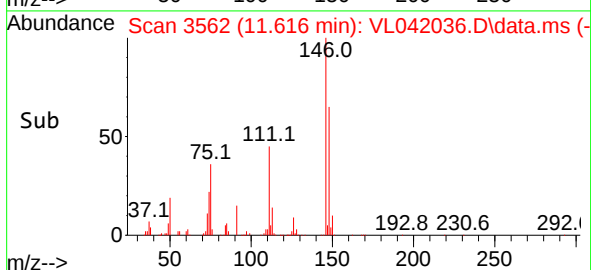
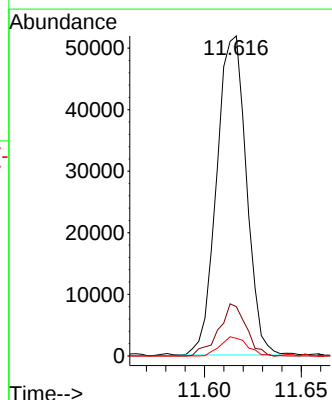
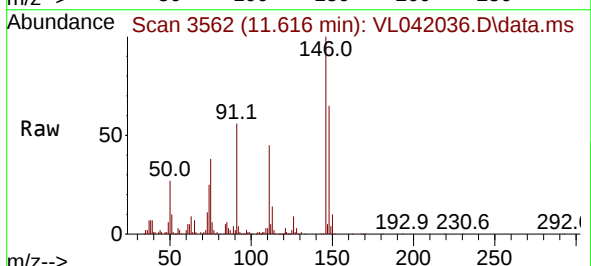
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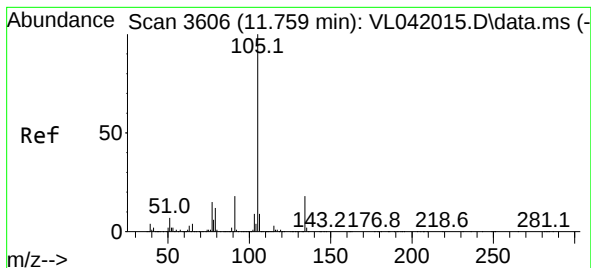
Reviewed By :Semsettin Yesilyurt 02/24/2025
Supervised By :Mahesh Dadoda 02/24/2025



#66
Benzyl Chloride
Concen: 11.108 ppbv
RT: 11.616 min Scan# 3562
Delta R.T. -0.013 min
Lab File: VL042036.D
Acq: 21 Feb 2025 11:54

Tgt Ion: 91 Resp: 55223
Ion Ratio Lower Upper
91 100
126 15.2 13.8 20.6
128 5.7 4.1 6.1





#67

sec-Butylbenzene

Concen: 11.807 ppbv

RT: 11.765 min Scan# 3

Delta R.T. -0.016 min

Lab File: VL042036.D

Acq: 21 Feb 2025 11:54

Instrument :

MSVOA_L

ClientSampleId :

VL0221ABS01

Tgt Ion:105 Resp: 82253

Ion Ratio Lower Upper

105 100

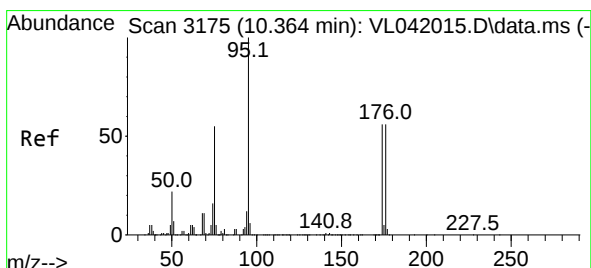
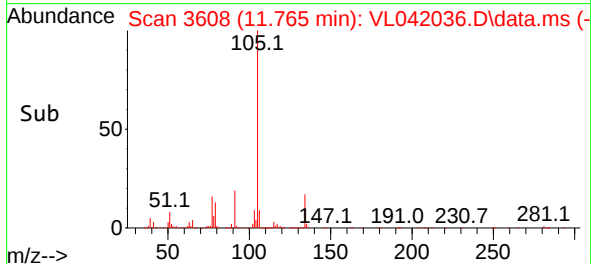
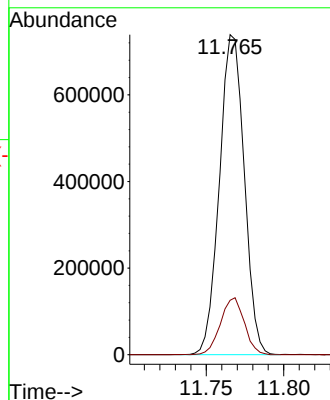
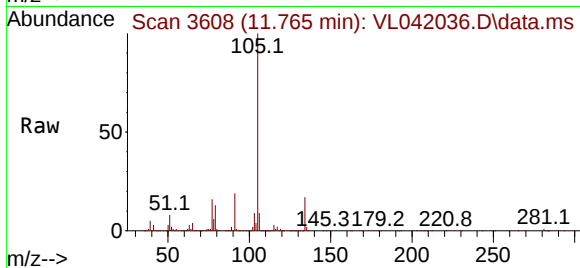
134 17.1 14.7 22.1

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Reviewed By :Semsettin Yesilyurt 02/24/2025

Supervised By :Mahesh Dadoda 02/24/2025



#68

1-Bromo-4-Fluorobenzene

Concen: 10.474 ppbv

RT: 10.374 min Scan# 3178

Delta R.T. -0.016 min

Lab File: VL042036.D

Acq: 21 Feb 2025 11:54

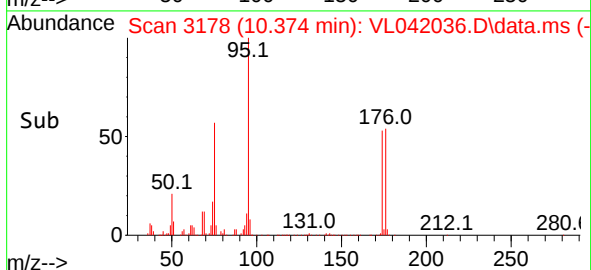
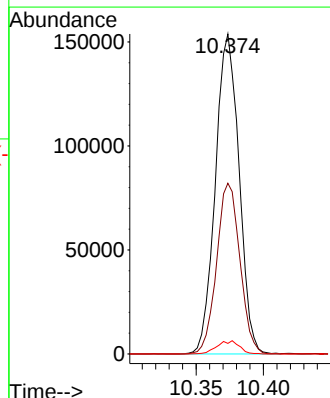
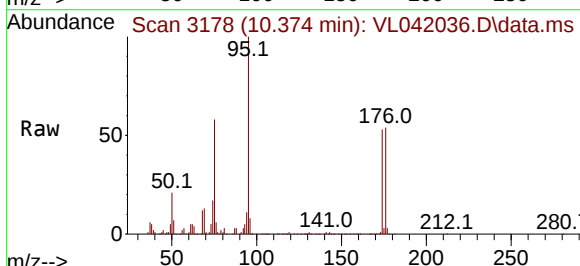
Tgt Ion: 95 Resp: 187789

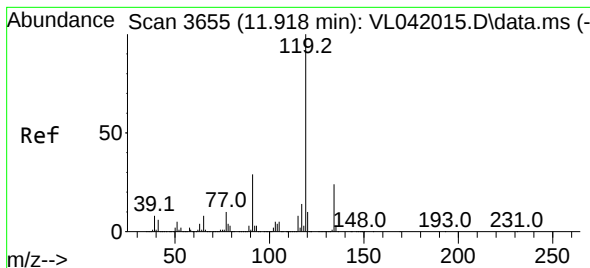
Ion Ratio Lower Upper

95 100

174 52.5 46.7 70.1

175 3.9 3.7 5.5





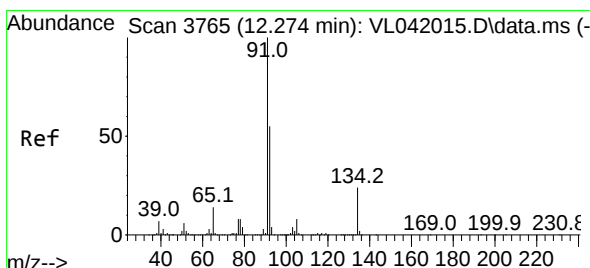
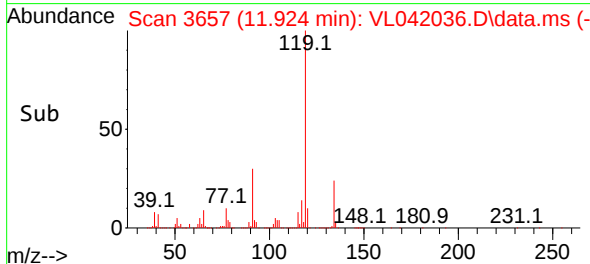
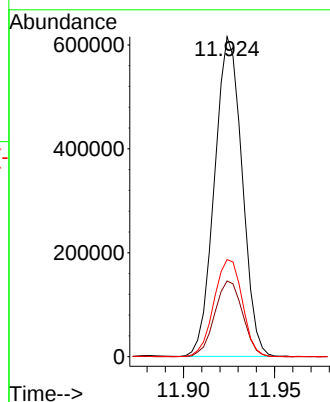
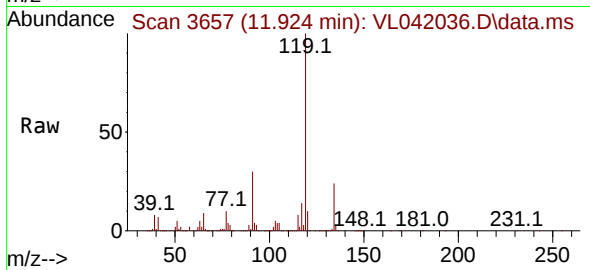
#69
 p-Isopropyltoluene
 Concen: 11.353 ppbv
 RT: 11.924 min Scan# 3657
 Delta R.T. -0.016 min
 Lab File: VL042036.D
 Acq: 21 Feb 2025 11:54

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0221ABS01

Tgt Ion:119 Resp: 647398
 Ion Ratio Lower Upper
 119 100
 134 24.1 19.4 29.0
 91 31.4 23.4 35.2

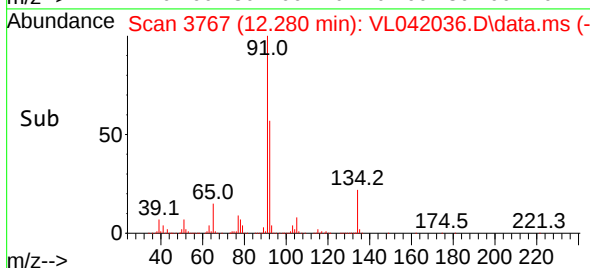
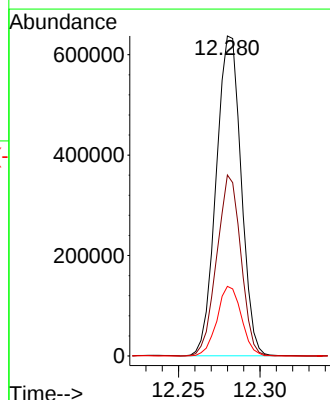
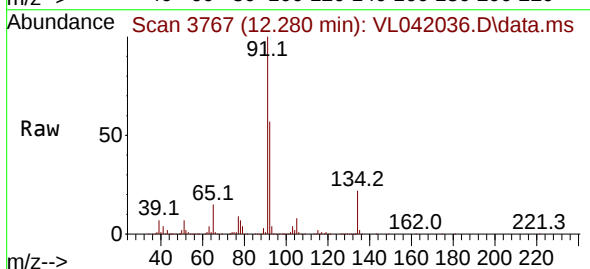
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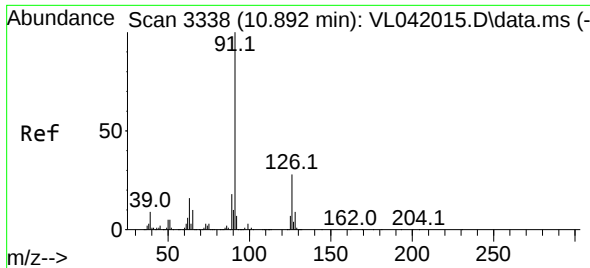
Reviewed By :Semsettin Yesilyurt 02/24/2025
 Supervised By :Mahesh Dadoda 02/24/2025



#70
 n-Butylbenzene
 Concen: 12.073 ppbv
 RT: 12.280 min Scan# 3767
 Delta R.T. -0.013 min
 Lab File: VL042036.D
 Acq: 21 Feb 2025 11:54

Tgt Ion: 91 Resp: 678198
 Ion Ratio Lower Upper
 91 100
 92 54.9 43.8 65.8
 134 21.3 18.6 27.8





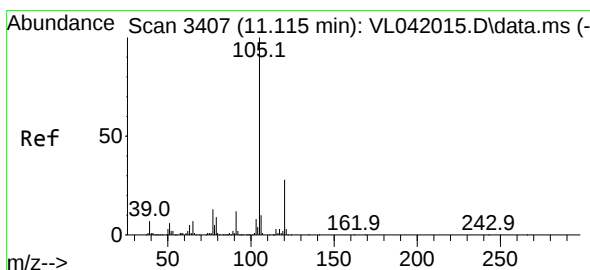
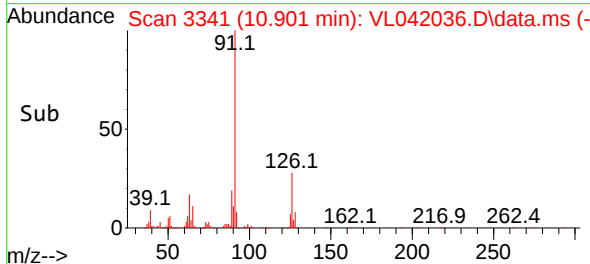
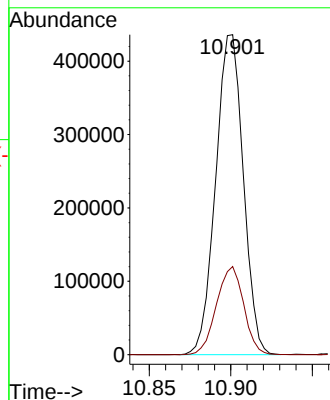
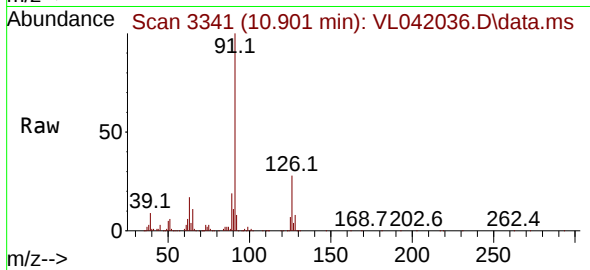
#71
2-Chlorotoluene
Concen: 11.991 ppbv
RT: 10.901 min Scan# 31
Delta R.T. -0.013 min
Lab File: VL042036.D
Acq: 21 Feb 2025 11:54

Instrument :
MSVOA_L
ClientSampleId :
VL0221ABS01

Tgt Ion: 91 Resp: 51373
Ion Ratio Lower Upper
91 100
126 27.1 11.2 45.0

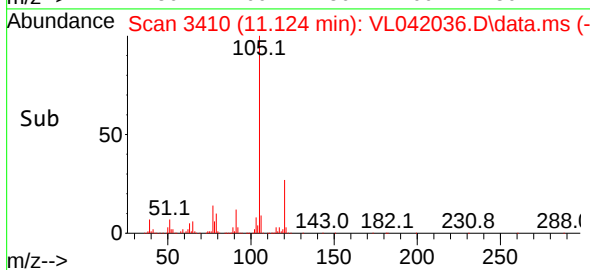
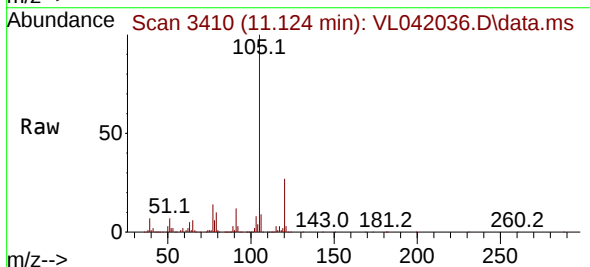
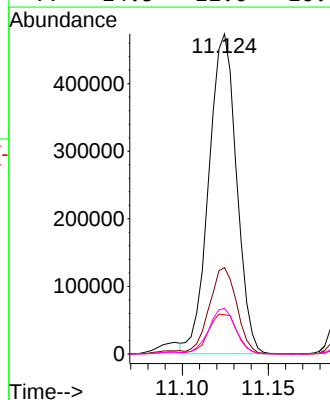
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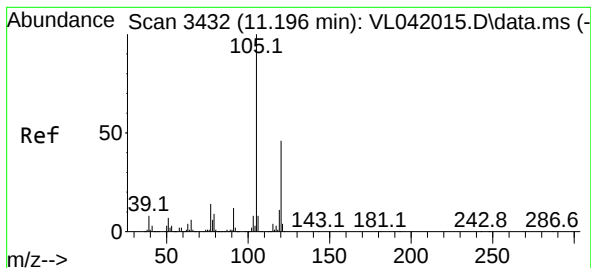
Reviewed By :Semsettin Yesilyurt 02/24/2025
Supervised By :Mahesh Dadoda 02/24/2025



#72
4-Ethyltoluene
Concen: 11.960 ppbv
RT: 11.124 min Scan# 3410
Delta R.T. -0.013 min
Lab File: VL042036.D
Acq: 21 Feb 2025 11:54

Tgt Ion:105 Resp: 530991
Ion Ratio Lower Upper
105 100
120 27.8 22.7 34.1
91 13.5 10.2 15.2
77 14.5 11.0 16.4





#73

1,3,5-Trimethylbenzene

Concen: 11.746 ppbv

RT: 11.202 min Scan# 3434

Delta R.T. -0.016 min

Lab File: VL042036.D

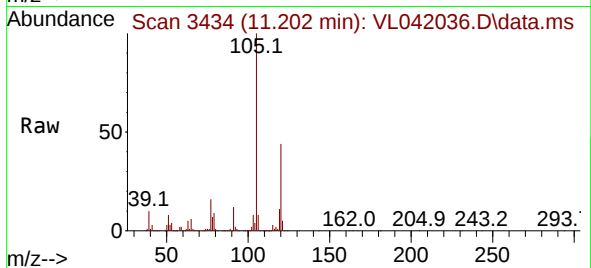
Acq: 21 Feb 2025 11:54

Instrument :

MSVOA_L

ClientSampleId :

VL0221ABS01



Tgt Ion:105 Resp: 44984

Ion Ratio Lower Upper

105 100

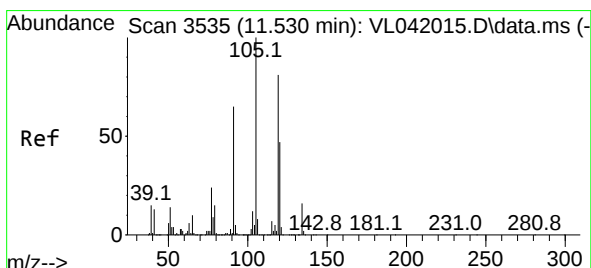
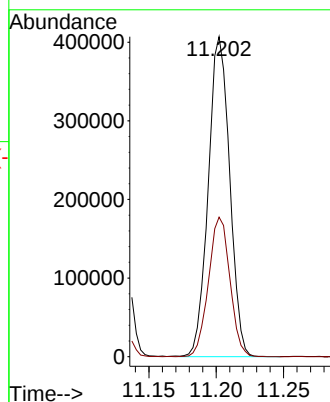
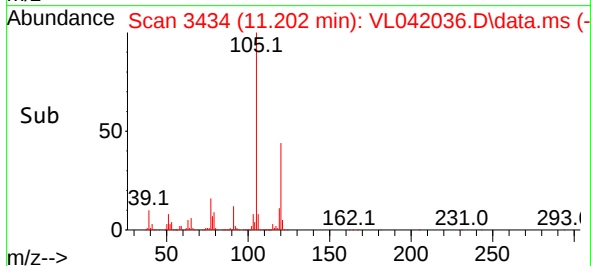
120 43.6 37.1 55.7

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Reviewed By :Semsettin Yesilyurt 02/24/2025

Supervised By :Mahesh Dadoda 02/24/2025



#74

1,2,4-Trimethylbenzene

Concen: 11.603 ppbv

RT: 11.536 min Scan# 3537

Delta R.T. -0.016 min

Lab File: VL042036.D

Acq: 21 Feb 2025 11:54

Tgt Ion:105 Resp: 476903

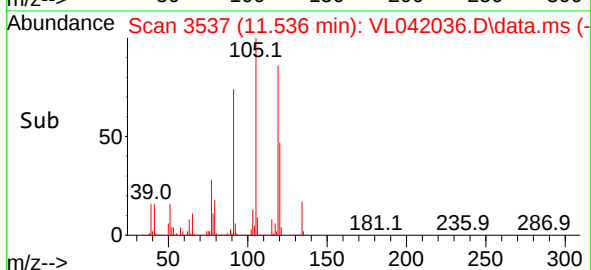
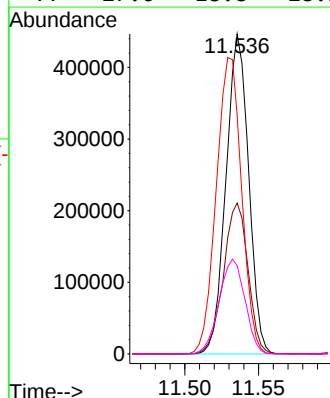
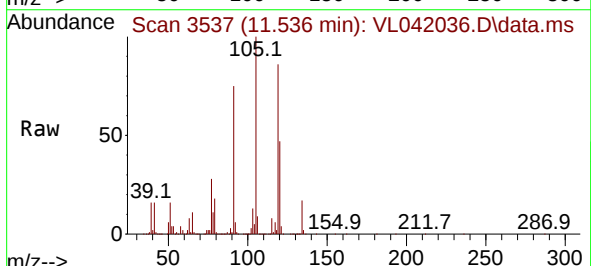
Ion Ratio Lower Upper

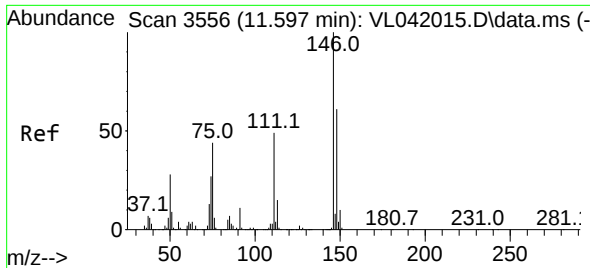
105 100

120 47.1 37.5 56.3

91 74.5 51.7 77.5

77 27.6 18.8 28.2





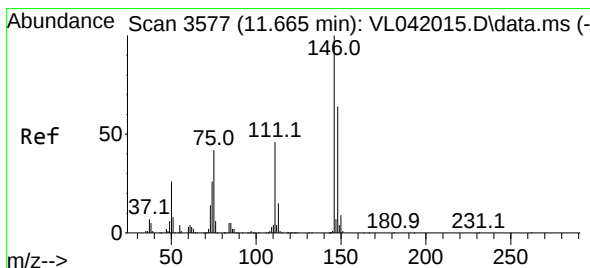
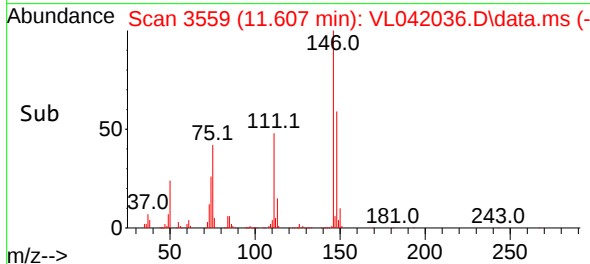
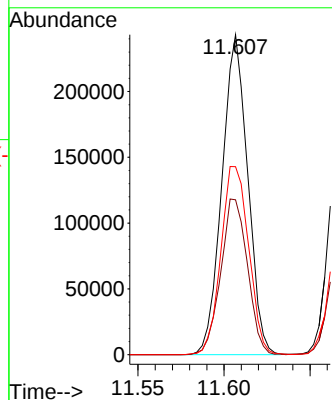
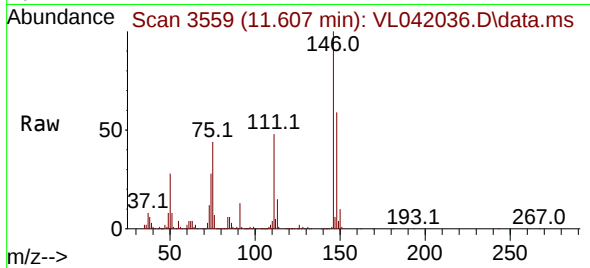
#75
1,3-Dichlorobenzene
Concen: 11.443 ppbv
RT: 11.607 min Scan# 3556
Delta R.T. -0.016 min
Lab File: VL042036.D
Acq: 21 Feb 2025 11:54

Instrument : MSVOA_L
ClientSampleId : VL0221ABS01

Tgt Ion:146 Resp: 253168
Ion Ratio Lower Upper
146 100
111 50.5 23.9 71.7
148 63.5 31.5 94.5

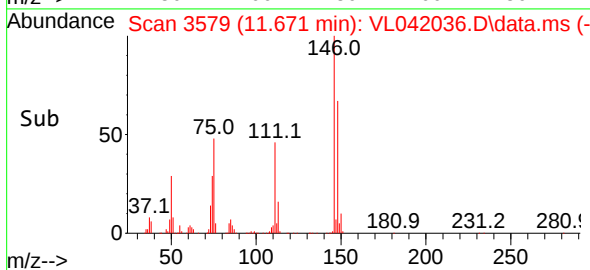
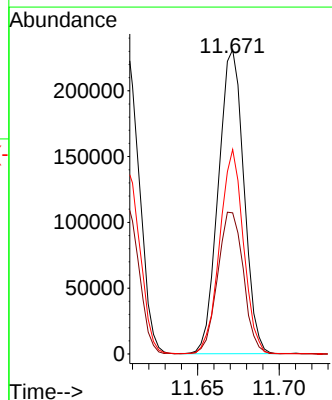
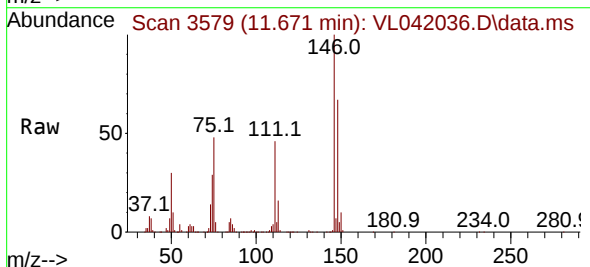
Manual Integrations
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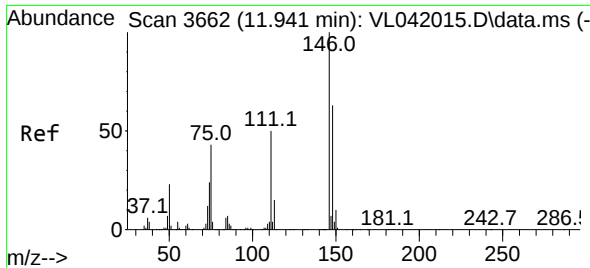
Reviewed By :Semsettin Yesilyurt 02/24/2025
Supervised By :Mahesh Dadoda 02/24/2025



#76
1,4-Dichlorobenzene
Concen: 11.624 ppbv
RT: 11.671 min Scan# 3579
Delta R.T. -0.013 min
Lab File: VL042036.D
Acq: 21 Feb 2025 11:54

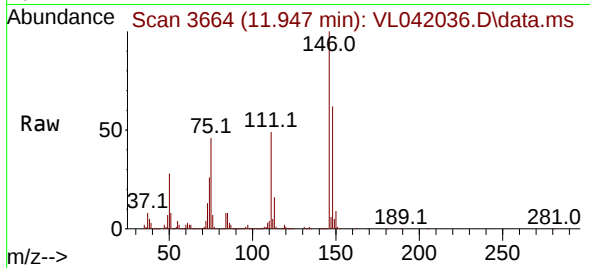
Tgt Ion:146 Resp: 250798
Ion Ratio Lower Upper
146 100
111 47.3 23.5 70.5
148 63.0 32.3 96.9





#77
1,2-Dichlorobenzene
Concen: 11.458 ppbv
RT: 11.947 min Scan# 30
Delta R.T. -0.013 min
Lab File: VL042036.D
Acq: 21 Feb 2025 11:54

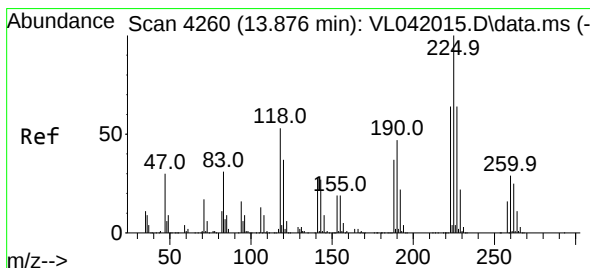
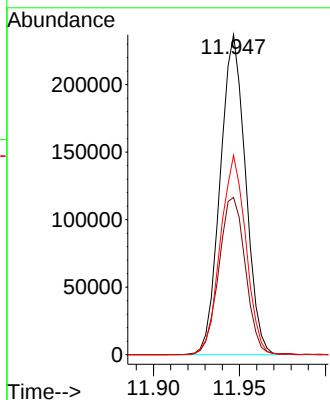
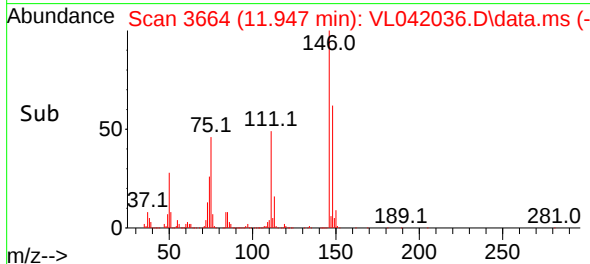
Instrument :
MSVOA_L
ClientSampleId :
VL0221ABS01



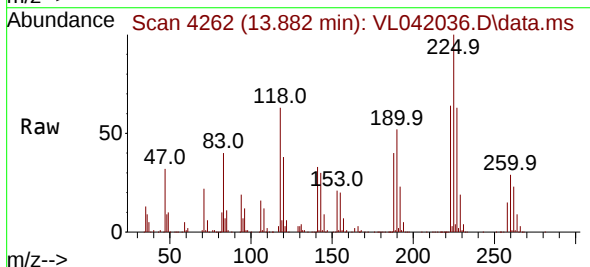
Tgt Ion:146 Resp: 242330
Ion Ratio Lower Upper
146 100
111 51.7 25.6 76.8
148 62.8 31.9 95.7

Manual Integrations
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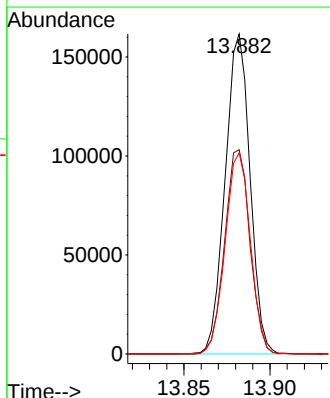
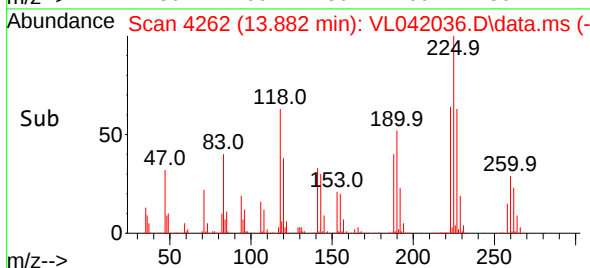
Reviewed By :Semsettin Yesilyurt 02/24/2025
Supervised By :Mahesh Dadoda 02/24/2025

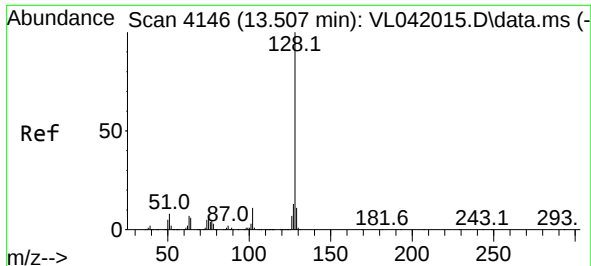


#78
Hexachloro-1,3-Butadiene
Concen: 9.300 ppbv
RT: 13.882 min Scan# 4262
Delta R.T. -0.013 min
Lab File: VL042036.D
Acq: 21 Feb 2025 11:54



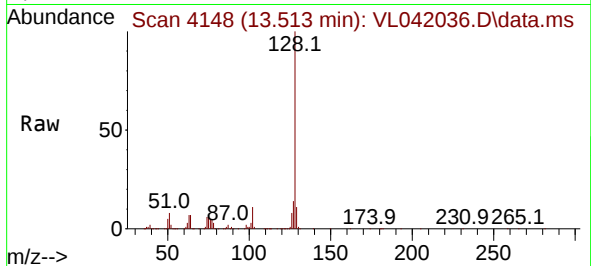
Tgt Ion:225 Resp: 162727
Ion Ratio Lower Upper
225 100
223 65.2 50.6 75.8
227 63.5 50.9 76.3





#79
Naphthalene
Concen: 9.397 ppbv
RT: 13.513 min Scan# 4146
Delta R.T. -0.013 min
Lab File: VL042036.D
Acq: 21 Feb 2025 11:54

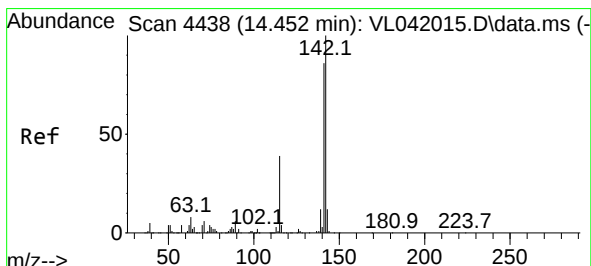
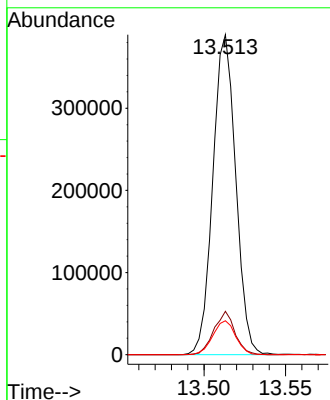
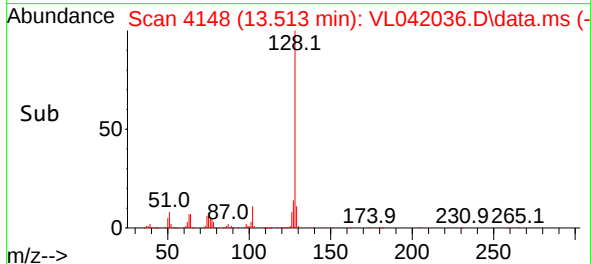
Instrument :
MSVOA_L
ClientSampleId :
VL0221ABS01



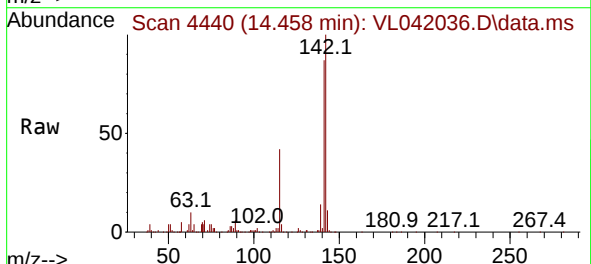
Tgt Ion:128 Resp: 379912
Ion Ratio Lower Upper
128 100
127 13.6 10.2 15.2
129 10.6 8.6 13.0

Manual Integrations
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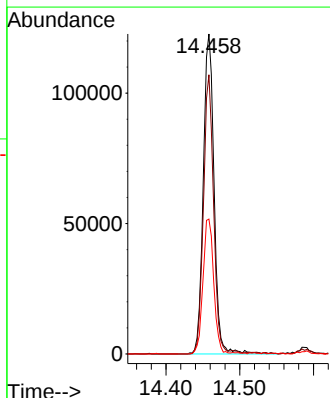
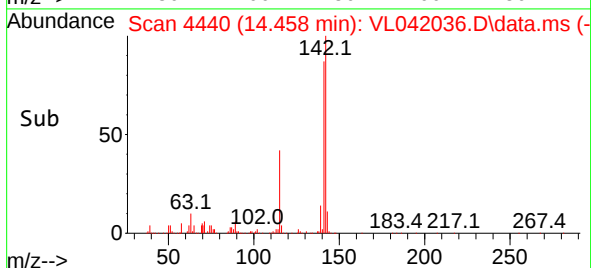
Reviewed By :Semsettin Yesilyurt 02/24/2025
Supervised By :Mahesh Dadoda 02/24/2025

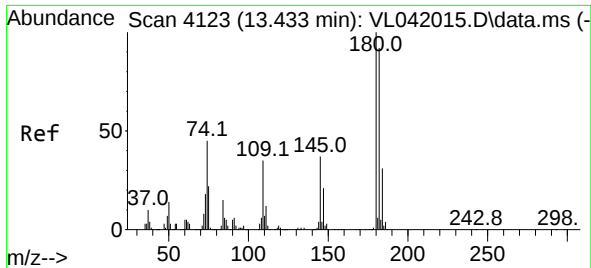


#80
Naphthalene,2-methyl-
Concen: 6.774 ppbv
RT: 14.458 min Scan# 4440
Delta R.T. -0.013 min
Lab File: VL042036.D
Acq: 21 Feb 2025 11:54



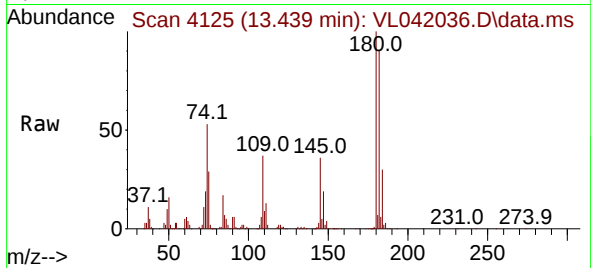
Tgt Ion:142 Resp: 123985
Ion Ratio Lower Upper
142 100
141 83.6 68.2 102.2
115 42.5 33.6 50.4





#81
 1,2,4-Trichlorobenzene
 Concen: 10.009 ppbv
 RT: 13.439 min Scan# 4123
 Delta R.T. -0.016 min
 Lab File: VL042036.D
 Acq: 21 Feb 2025 11:54

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0221ABS01



Tgt Ion:180 Resp: 164490
 Ion Ratio Lower Upper
 180 100
 182 94.1 75.8 113.6
 184 30.5 24.2 36.4

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 02/24/2025
 Supervised By :Mahesh Dadoda 02/24/2025

