

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL021425\
 Data File : VL042017.D
 Acq On : 14 Feb 2025 13:25
 Operator : SY/MD
 Sample : VSTDICC001
 Misc : 400mL/MSVOA_L
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC001

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 02/17/2025
 Supervised By : Mahesh Dadoda 02/17/2025

Quant Time: Feb 15 01:20:16 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 : Sat Feb 15 01:17:03 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.774	49	92174	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.940	114	282067	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.866	117	256509	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.361 95 214136 10.121 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 101.200%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.493	85	16373	1.032	ppbv	98
3) Chlorodifluoromethane	1.470	51	19142	1.090	ppbv	99
4) Chloromethane	1.528	50	6614	1.073	ppbv	97
5) Vinyl Chloride	1.574	62	6402	0.868	ppbv	90
6) Bromomethane	1.661	94	3041	1.064	ppbv	98
7) Chloroethane	1.697	64	2776	1.155	ppbv #	84
8) Dichlorotetrafluoroethane	1.548	85	14261	1.022	ppbv	94
9) Propene	1.476	41	8138	1.073	ppbv	94
10) Heptane	4.956	43	22146m	1.060	ppbv	
11) Trichlorofluoromethane	1.871	101	15787	0.989	ppbv	97
12) 1,1,2-Trichlorotrifluo...	2.130	101	12604	1.012	ppbv	94
13) Ethanol	1.716	45	1207	1.314	ppbv	88
14) Bromoethene	1.774	108	5024	1.080	ppbv #	92
15) Acetone	1.829	43	16372	1.076	ppbv	91
16) 1,3-Butadiene	1.603	39	7502	1.039	ppbv	94
17) tert-Butyl alcohol	2.033	59	19848	1.054	ppbv	95
18) 1,1-Dichloroethene	2.023	96	6569	1.085	ppbv	95
19) Isopropyl Alcohol	1.881	45	9139	1.065	ppbv #	42
20) Methylene Chloride	2.056	84	6180	1.079	ppbv #	78
21) Allyl Chloride	2.088	41	11473	1.048	ppbv	97
22) trans-1,2-Dichloroethene	2.331	96	6499	1.006	ppbv	81
23) Vinyl Acetate	2.454	43	9143	1.110	ppbv #	94
24) 1,1-Dichloroethane	2.399	63	14290	1.090	ppbv	99
25) Ethyl Acetate	2.826	43	43444	1.040	ppbv	98
26) Hexane	2.813	57	18285	1.091	ppbv	95
27) Carbon Disulfide	2.140	76	17017	1.080	ppbv #	44
28) Methyl tert-Butyl Ether	2.435	73	11866	1.158	ppbv #	81
29) Chloroform	2.836	83	25310	1.043	ppbv	92
30) Cyclohexane	3.836	84	15240	1.038	ppbv	97
31) cis-1,2-Dichloroethene	2.710	61	17097	1.032	ppbv	97
32) 1,1,1-Trichloroethane	3.357	97	25430	0.945	ppbv	100
34) 2-Butanone	2.551	43	25581	1.054	ppbv	96
35) Carbon Tetrachloride	3.742	117	26435	0.984	ppbv #	88
36) Benzene	3.642	78	34379	1.006	ppbv	97
37) 1,2-Dichloroethane	3.205	62	20867	1.073	ppbv	98
38) Trichloroethene	4.529	130	14210	1.013	ppbv	95
39) 1,2-Dichloropropane	4.299	63	13187	1.040	ppbv #	82
40) 1,4-Dioxane	4.584	88	7225m	1.115	ppbv	
41) Tetrahydrofuran	3.050	42	13754	0.971	ppbv	94
42) Bromodichloromethane	4.467	83	26223	0.995	ppbv #	88
43) Methyl Methacrylate	4.862	69	18003m	1.172	ppbv	
44) 2,2,4-Trimethylpentane	4.616	57	59532	1.026	ppbv	99
45) t-1,3-Dichloropropene	6.386	75	14867m	1.010	ppbv	

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 ClientSampleId :
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Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 02/17/2025
 Supervised By :Mahesh Dadoda 02/17/2025

Quant Time: Feb 15 01:20:16 2025

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

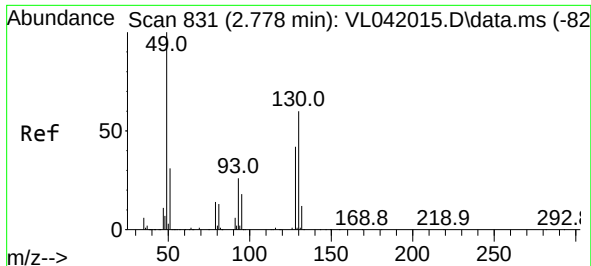
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Sat Feb 15 01:17:03 2025

Response via : Initial Calibration

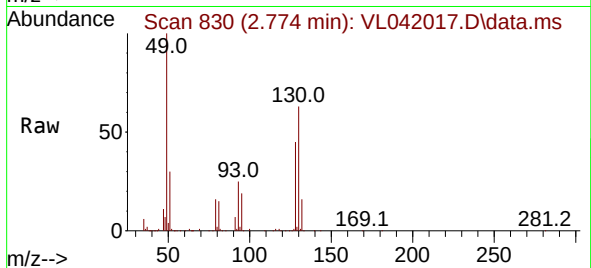
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.574	75	18645m	0.999	ppbv	
47) 1,1,2-Trichloroethane	6.558	97	13186m	1.000	ppbv	
48) Dibromochloromethane	7.364	129	22318m	1.019	ppbv	
49) Bromoform	9.468	173	17395	0.960	ppbv	96
50) 4-Methyl-2-Pentanone	5.736	43	38589m	1.023	ppbv	
51) 2-Hexanone	7.422	43	33046	1.069	ppbv #	96
52) Tetrachloroethene	8.202	164	11613m	0.974	ppbv	
53) Toluene	6.914	91	42858m	1.060	ppbv	
54) 1,2-Dibromoethane	7.633	107	17720	0.964	ppbv	94
56) 1,1,1,2-Tetrachloroethane	8.905	131	18900	1.032	ppbv	93
57) Chlorobenzene	8.905	112	32156	1.066	ppbv	96
58) Ethyl Benzene	9.338	91	58735	1.046	ppbv	100
59) m/p-Xylene	9.532	91	91998m	2.079	ppbv	
60) o-Xylene	9.947	91	47347	1.059	ppbv	100
61) Styrene	9.853	104	21872	1.026	ppbv	97
62) Isopropylbenzene	10.526	105	70665	1.053	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.950	83	27852	0.965	ppbv	98
64) n-propylbenzene	10.979	120	17468	1.059	ppbv	93
65) tert-Butylbenzene	11.517	119	62846	1.074	ppbv	99
66) Benzyl Chloride	11.601	91	6113	1.035	ppbv	99
67) sec-Butylbenzene	11.756	105	88881	1.081	ppbv	99
69) p-Isopropyltoluene	11.911	119	71697	1.065	ppbv	98
70) n-Butylbenzene	12.271	91	70916	1.070	ppbv	97
71) 2-Chlorotoluene	10.889	91	51962	1.028	ppbv	95
72) 4-Ethyltoluene	11.112	105	54079	1.031	ppbv	98
73) 1,3,5-Trimethylbenzene	11.190	105	48308	1.069	ppbv	96
74) 1,2,4-Trimethylbenzene	11.523	105	52921	1.091	ppbv #	88
75) 1,3-Dichlorobenzene	11.594	146	28362	1.086	ppbv	97
76) 1,4-Dichlorobenzene	11.659	146	26798	1.052	ppbv	99
77) 1,2-Dichlorobenzene	11.937	146	26585	1.065	ppbv	98
78) Hexachloro-1,3-Butadiene	13.870	225	21844	1.058	ppbv	97
79) Naphthalene	13.504	128	56546	1.185	ppbv	98
80) Naphthalene,2-methyl-	14.446	142	26997	1.245	ppbv	99
81) 1,2,4-Trichlorobenzene	13.429	180	21943	1.131	ppbv	97

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



#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.774 min Scan# 81
Delta R.T. -0.004 min
Lab File: VL042017.D
Acq: 14 Feb 2025 13:25

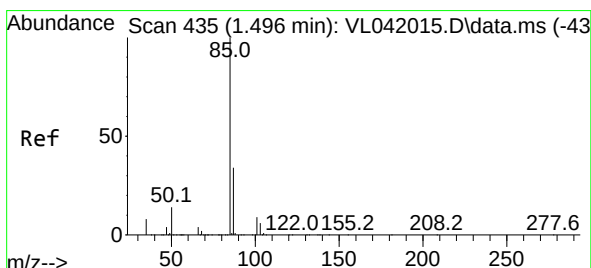
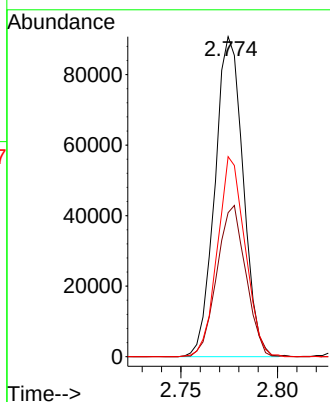
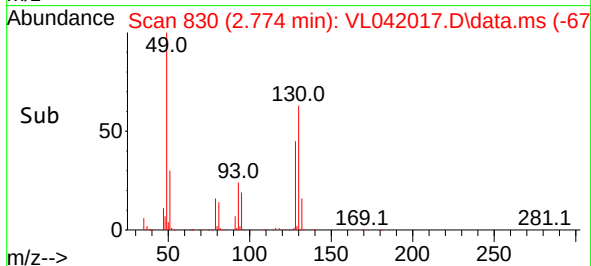
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001



Tgt Ion: 49 Resp: 92174
Ion Ratio Lower Upper
49 100
128 48.4 22.7 68.0
130 61.2 29.9 89.8

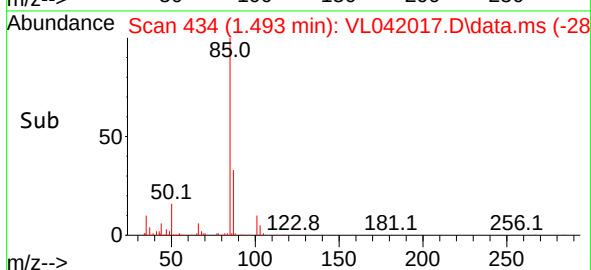
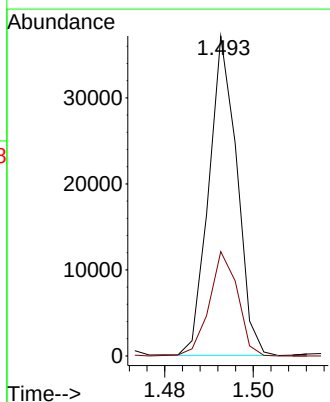
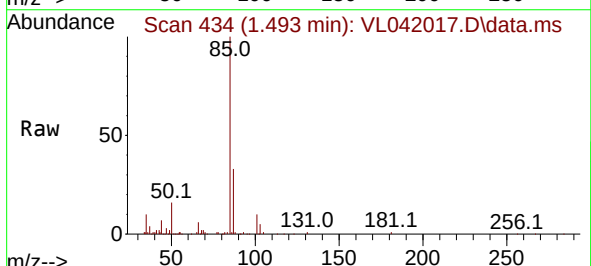
Manual Integrations
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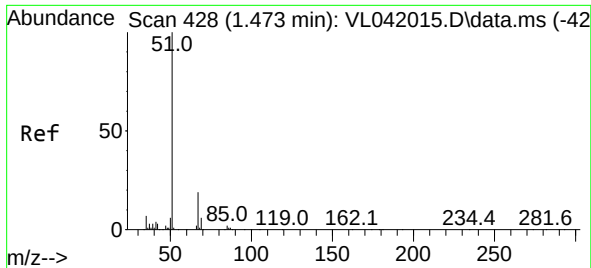
Reviewed By :Semsettin Yesilyurt 02/17/2025
Supervised By :Mahesh Dadoda 02/17/2025



#2
Dichlorodifluoromethane
Concen: 1.032 ppbv
RT: 1.493 min Scan# 434
Delta R.T. -0.003 min
Lab File: VL042017.D
Acq: 14 Feb 2025 13:25

Tgt Ion: 85 Resp: 16373
Ion Ratio Lower Upper
85 100
87 32.6 26.9 40.3





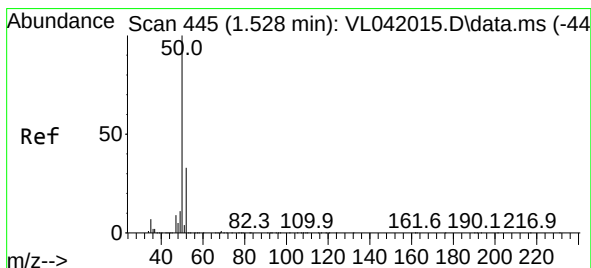
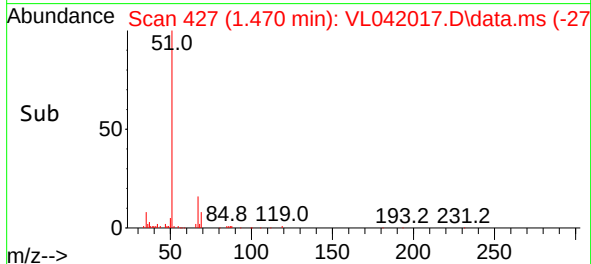
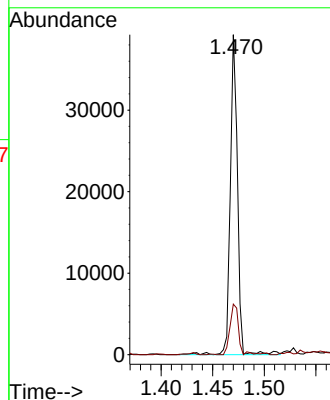
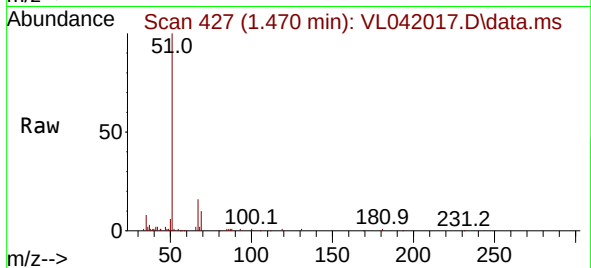
#3
Chlorodifluoromethane
Concen: 1.090 ppbv
RT: 1.470 min Scan# 41
Delta R.T. -0.003 min
Lab File: VL042017.D
Acq: 14 Feb 2025 13:25

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 51 Resp: 1914
Ion Ratio Lower Upper
51 100
67 19.3 15.0 22.6

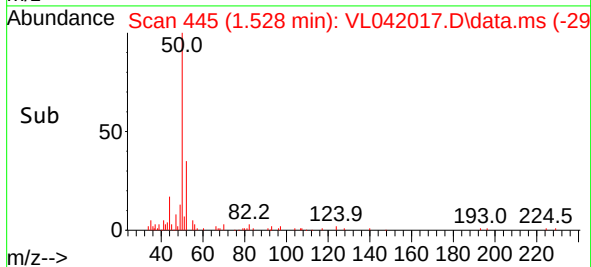
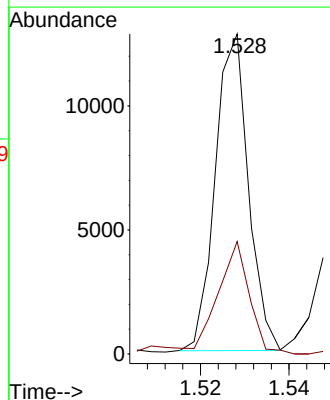
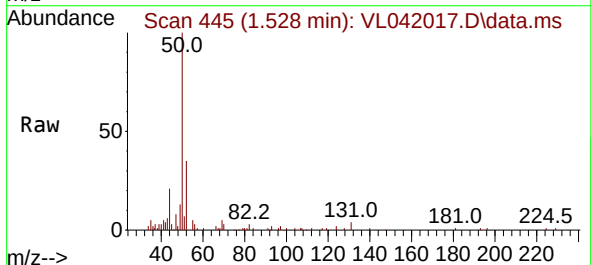
Manual Integrations
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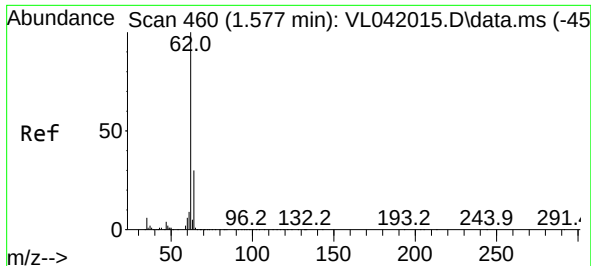
Reviewed By :Semsettin Yesilyurt 02/17/2025
Supervised By :Mahesh Dadoda 02/17/2025



#4
Chloromethane
Concen: 1.073 ppbv
RT: 1.528 min Scan# 445
Delta R.T. -0.000 min
Lab File: VL042017.D
Acq: 14 Feb 2025 13:25

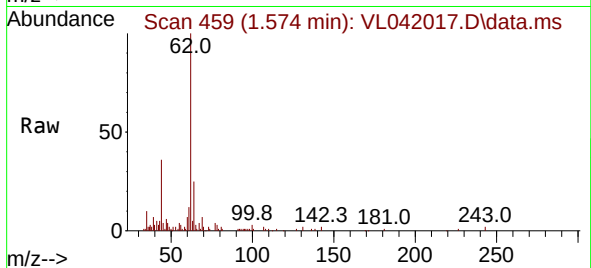
Tgt Ion: 50 Resp: 6614
Ion Ratio Lower Upper
50 100
52 34.4 26.2 39.2





#5
 Vinyl Chloride
 Concen: 0.868 ppbv
 RT: 1.574 min Scan# 41
 Delta R.T. -0.003 min
 Lab File: VL042017.D
 Acq: 14 Feb 2025 13:25

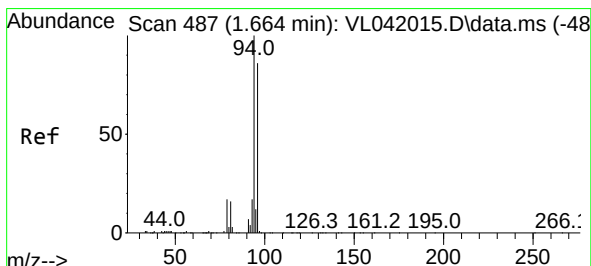
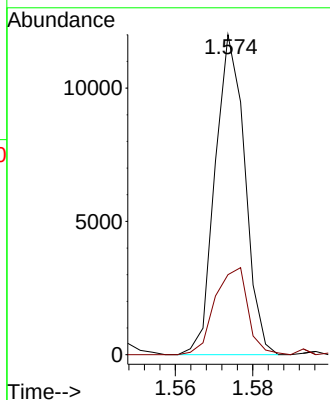
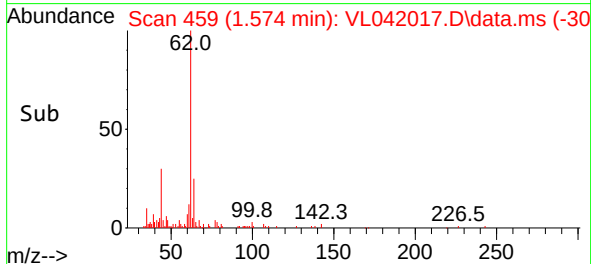
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC001



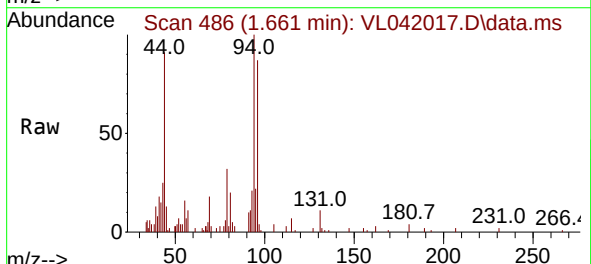
Tgt Ion: 62 Resp: 6402
 Ion Ratio Lower Upper
 62 100
 64 25.0 24.4 36.6

Manual Integrations
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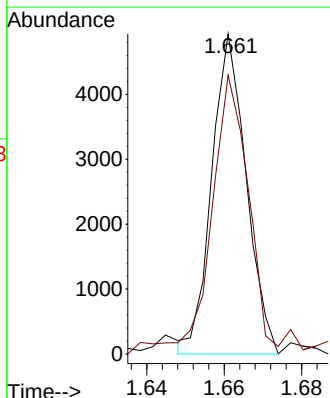
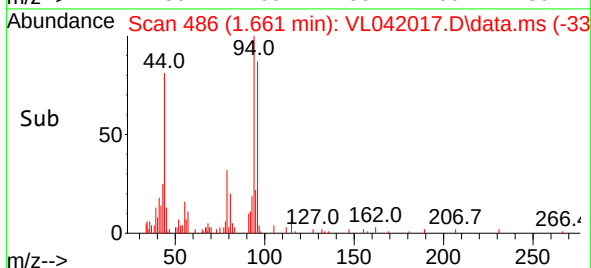
Reviewed By :Semsettin Yesilyurt 02/17/2025
 Supervised By :Mahesh Dadoda 02/17/2025

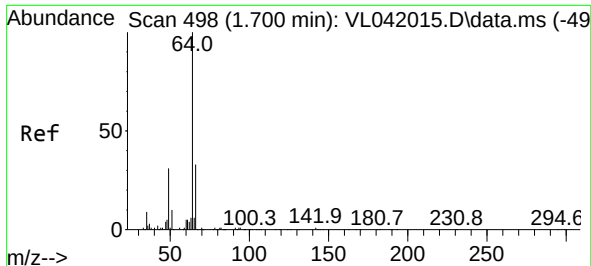


#6
 Bromomethane
 Concen: 1.064 ppbv
 RT: 1.661 min Scan# 486
 Delta R.T. -0.003 min
 Lab File: VL042017.D
 Acq: 14 Feb 2025 13:25



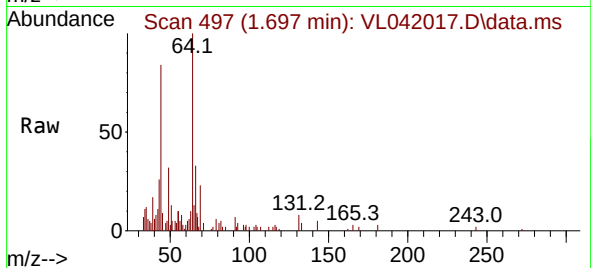
Tgt Ion: 94 Resp: 3041
 Ion Ratio Lower Upper
 94 100
 96 84.8 69.0 103.6





#7
Chloroethane
Concen: 1.155 ppbv
RT: 1.697 min Scan# 498
Delta R.T. -0.003 min
Lab File: VL042017.D
Acq: 14 Feb 2025 13:25

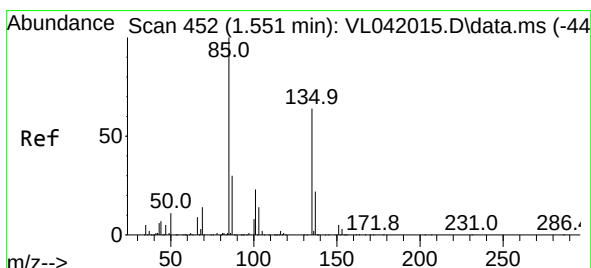
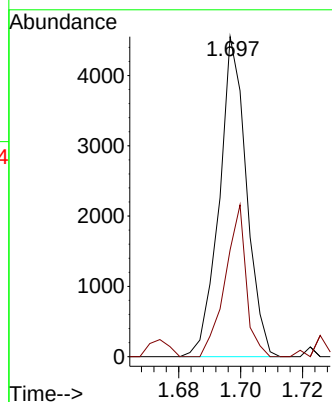
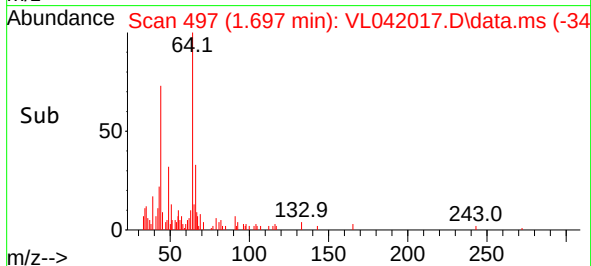
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



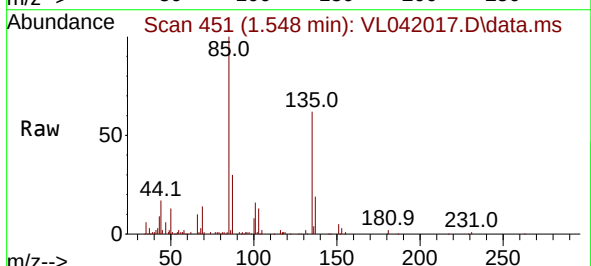
Tgt Ion: 64 Resp: 2770
Ion Ratio Lower Upper
64 100
66 42.0 26.5 39.7

Manual Integrations
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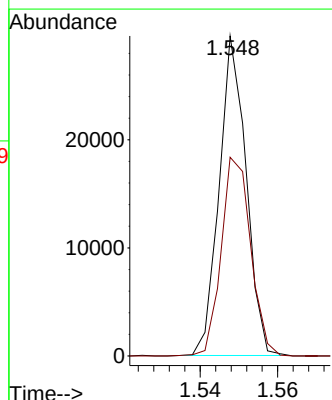
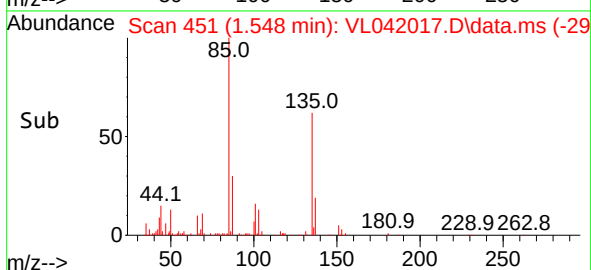
Reviewed By :Semsettin Yesilyurt 02/17/2025
Supervised By :Mahesh Dadoda 02/17/2025

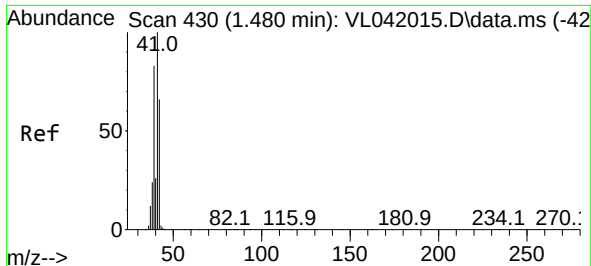


#8
Dichlorotetrafluoroethane
Concen: 1.022 ppbv
RT: 1.548 min Scan# 451
Delta R.T. -0.003 min
Lab File: VL042017.D
Acq: 14 Feb 2025 13:25



Tgt Ion: 85 Resp: 14261
Ion Ratio Lower Upper
85 100
135 68.2 50.9 76.3





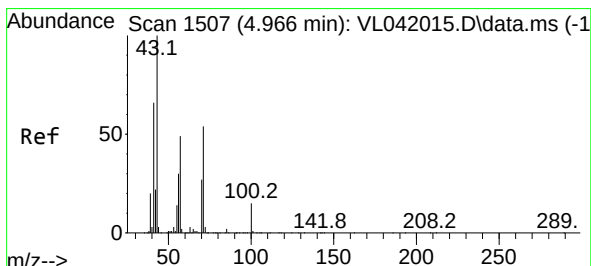
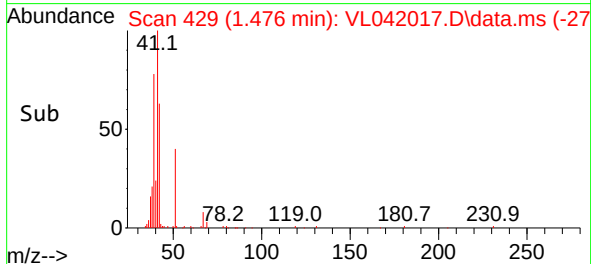
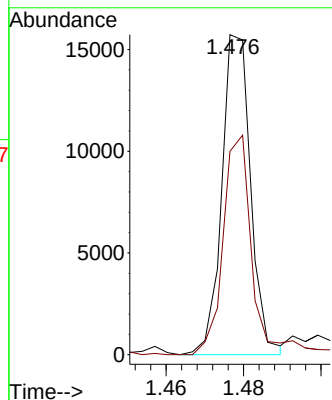
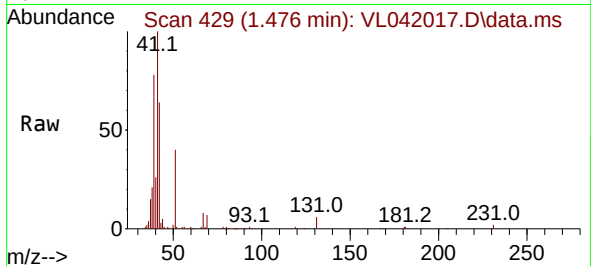
#9
 Propene
 Concen: 1.073 ppbv
 RT: 1.476 min Scan# 41
 Delta R.T. -0.003 min
 Lab File: VL042017.D
 Acq: 14 Feb 2025 13:25

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tgt Ion: 41 Resp: 8138
 Ion Ratio Lower Upper
 41 100
 42 71.8 53.5 80.3

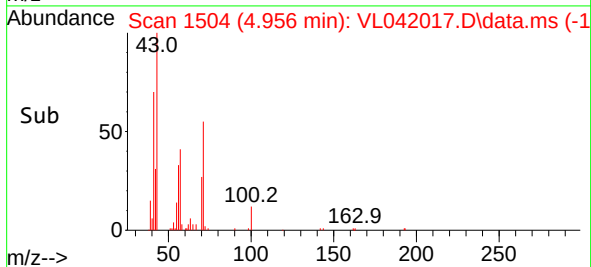
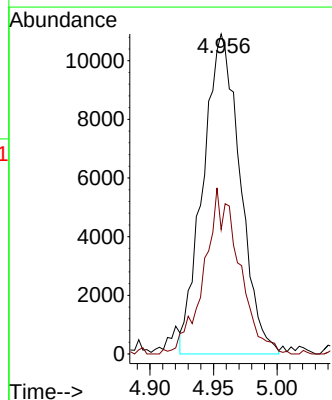
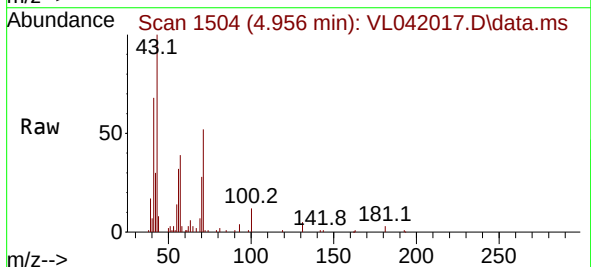
Manual Integrations
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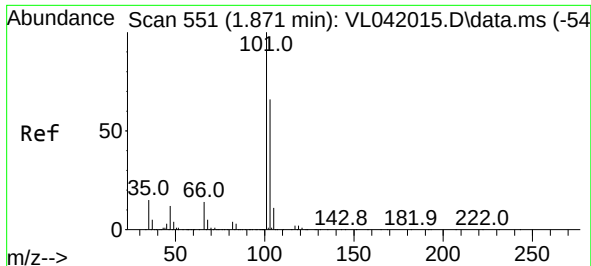
Reviewed By :Semsettin Yesilyurt 02/17/2025
 Supervised By :Mahesh Dadoda 02/17/2025



#10
 Heptane
 Concen: 1.060 ppbv m
 RT: 4.956 min Scan# 1504
 Delta R.T. -0.010 min
 Lab File: VL042017.D
 Acq: 14 Feb 2025 13:25

Tgt Ion: 43 Resp: 22146
 Ion Ratio Lower Upper
 43 100
 57 49.1 41.0 61.6





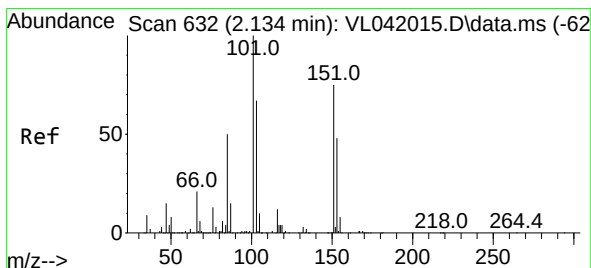
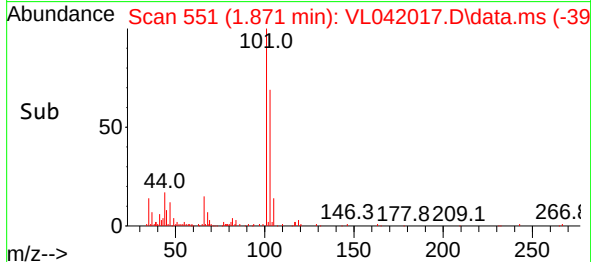
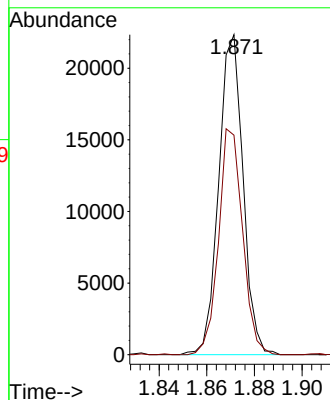
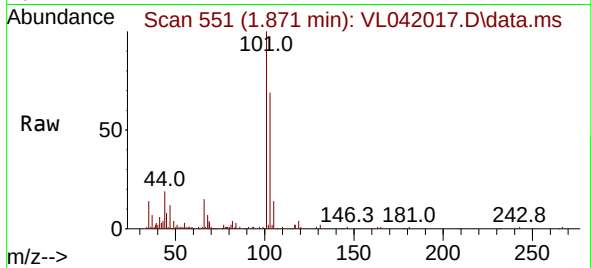
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 Trichlorofluoromethane
 Concen: 0.989 ppbv
 RT: 1.871 min Scan# 51
 Delta R.T. -0.000 min
 Lab File: VL042017.D
 Acq: 14 Feb 2025 13:25

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tgt Ion:101 Resp: 1578
 Ion Ratio Lower Upper
 101 100
 103 68.6 52.9 79.3

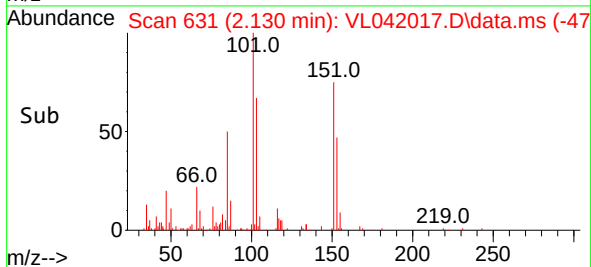
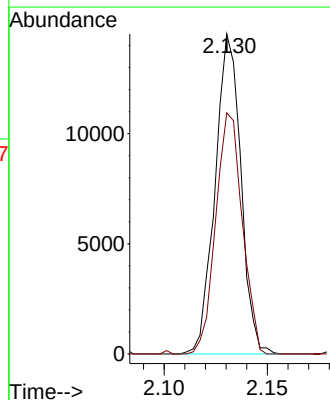
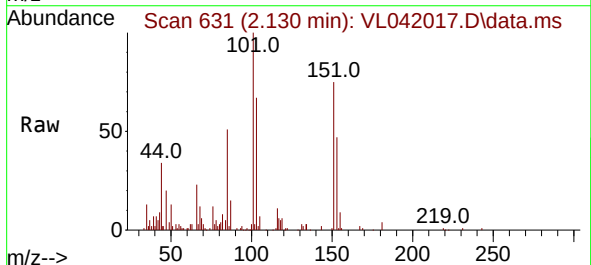
Manual Integrations
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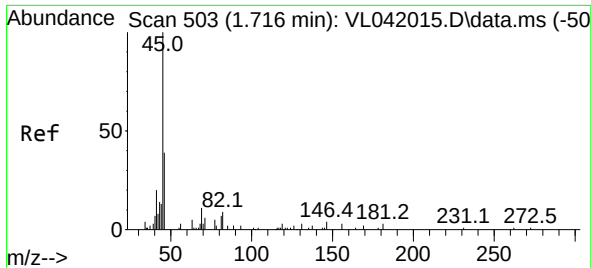
Reviewed By :Semsettin Yesilyurt 02/17/2025
 Supervised By :Mahesh Dadoda 02/17/2025



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 1.012 ppbv
 RT: 2.130 min Scan# 631
 Delta R.T. -0.003 min
 Lab File: VL042017.D
 Acq: 14 Feb 2025 13:25

Tgt Ion:101 Resp: 12604
 Ion Ratio Lower Upper
 101 100
 151 78.1 58.2 87.2





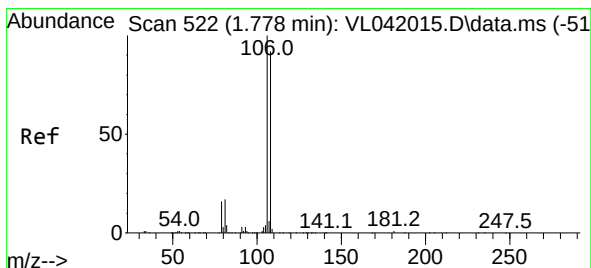
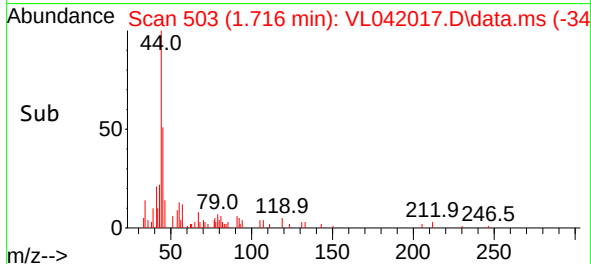
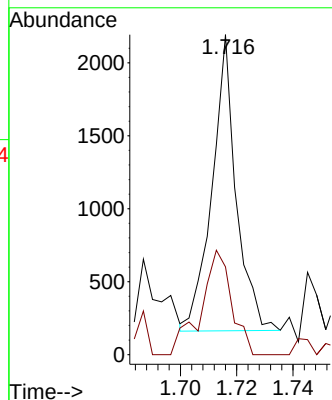
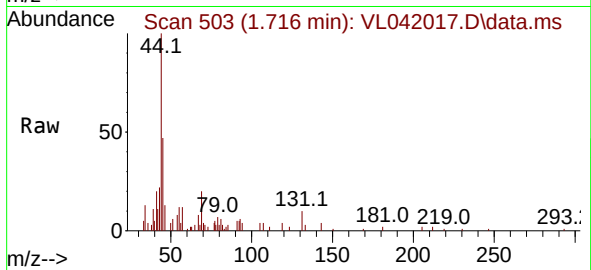
#13
Ethanol
Concen: 1.314 ppbv
RT: 1.716 min Scan# 503
Delta R.T. -0.000 min
Lab File: VL042017.D
Acq: 14 Feb 2025 13:25

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion: 45 Resp: 120
Ion Ratio Lower Upper
45 100
46 44.7 21.3 85.1

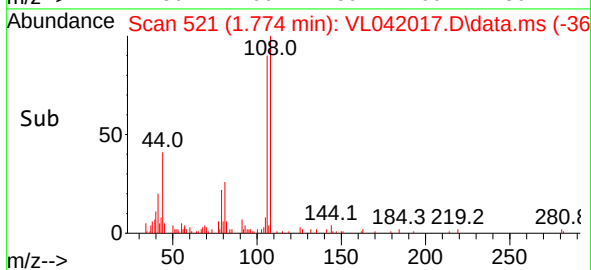
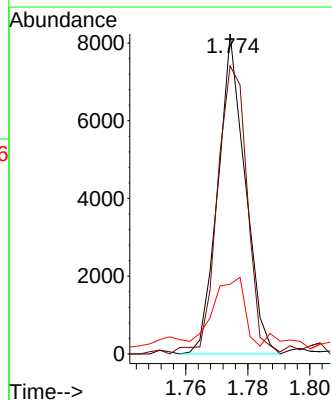
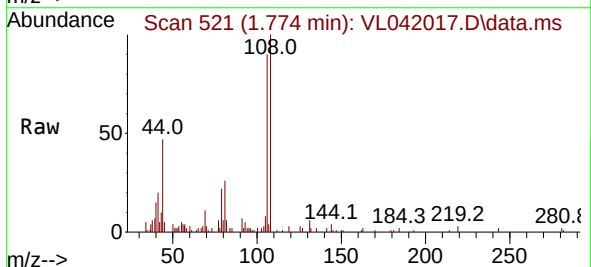
Manual Integrations
APPROVED

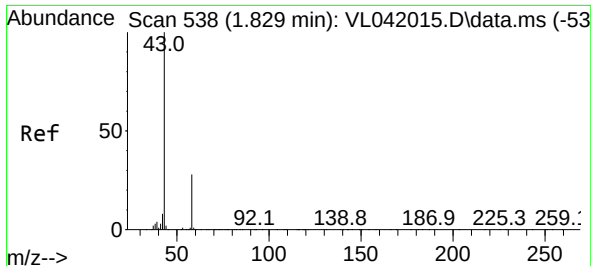
Reviewed By :Semsettin Yesilyurt 02/17/2025
Supervised By :Mahesh Dadoda 02/17/2025



#14
Bromoethene
Concen: 1.080 ppbv
RT: 1.774 min Scan# 521
Delta R.T. -0.003 min
Lab File: VL042017.D
Acq: 14 Feb 2025 13:25

Tgt Ion:108 Resp: 5024
Ion Ratio Lower Upper
108 100
106 102.7 85.0 127.6
79 37.0 17.3 25.9





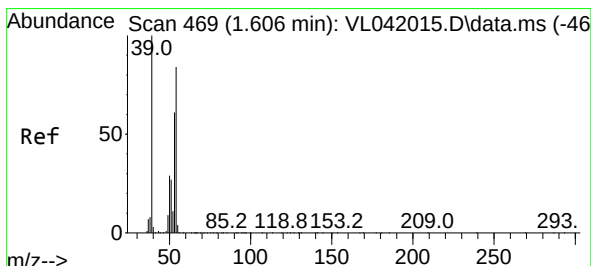
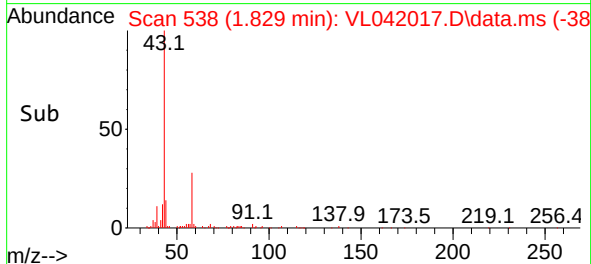
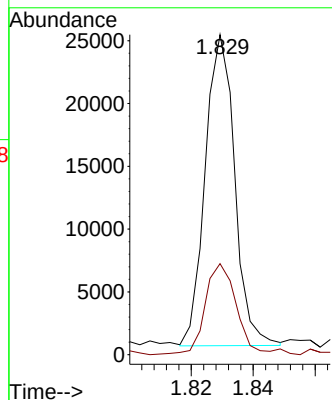
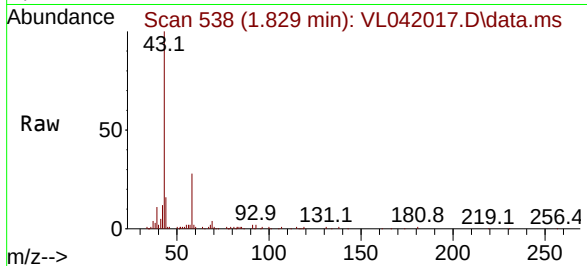
#15
Acetone
Concen: 1.076 ppbv
RT: 1.829 min Scan# 51
Delta R.T. -0.000 min
Lab File: VL042017.D
Acq: 14 Feb 2025 13:25

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion: 43 Resp: 16372
Ion Ratio Lower Upper
43 100
58 33.4 22.9 34.3

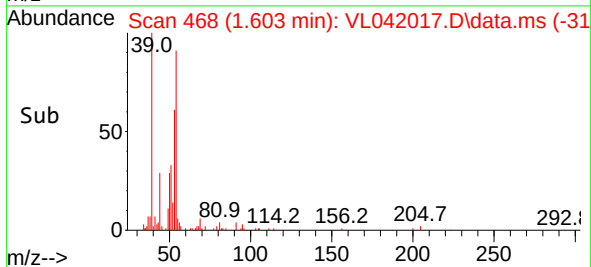
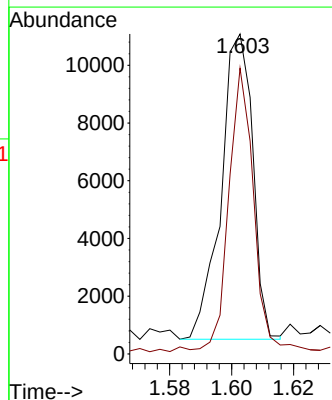
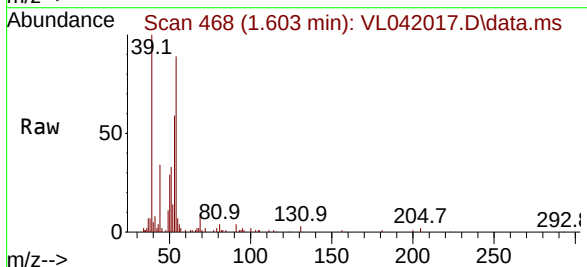
Manual Integrations
APPROVED

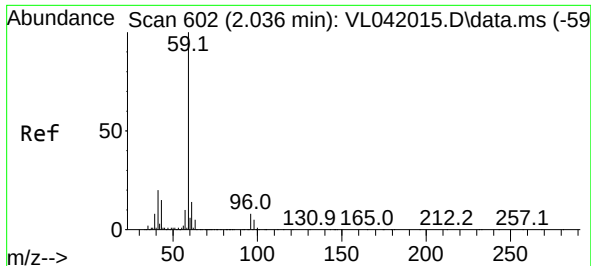
Reviewed By :Semsettin Yesilyurt 02/17/2025
Supervised By :Mahesh Dadoda 02/17/2025



#16
1,3-Butadiene
Concen: 1.039 ppbv
RT: 1.603 min Scan# 468
Delta R.T. -0.003 min
Lab File: VL042017.D
Acq: 14 Feb 2025 13:25

Tgt Ion: 39 Resp: 7502
Ion Ratio Lower Upper
39 100
54 79.8 59.4 89.2





#17

tert-Butyl alcohol

Concen: 1.054 ppbv

RT: 2.033 min Scan# 602

Delta R.T. -0.003 min

Lab File: VL042017.D

Acq: 14 Feb 2025 13:25

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tgt Ion: 59 Resp: 1984

Ion Ratio Lower Upper

59 100

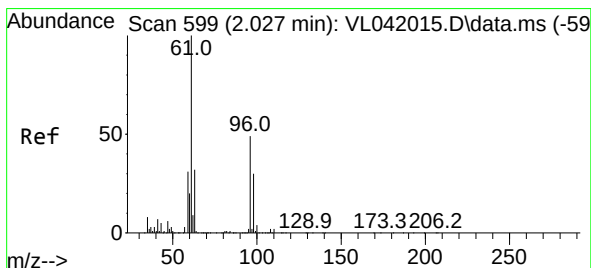
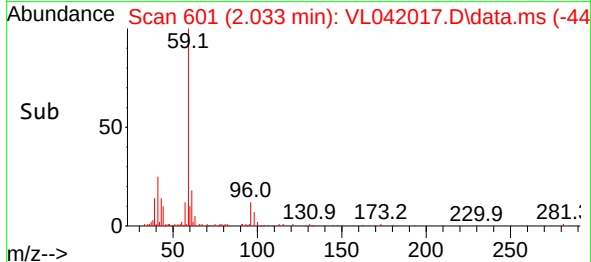
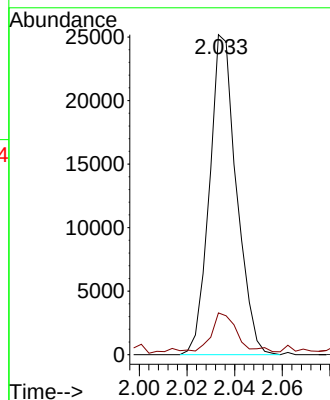
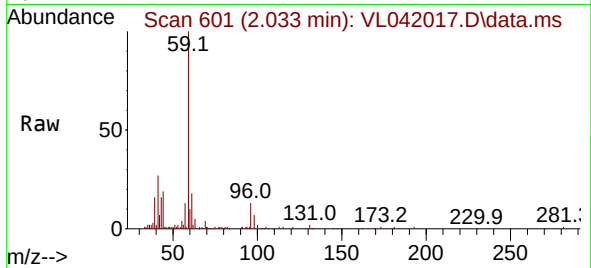
57 13.6 9.2 13.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/17/2025

Supervised By :Mahesh Dadoda 02/17/2025



#18

1,1-Dichloroethene

Concen: 1.085 ppbv

RT: 2.023 min Scan# 598

Delta R.T. -0.003 min

Lab File: VL042017.D

Acq: 14 Feb 2025 13:25

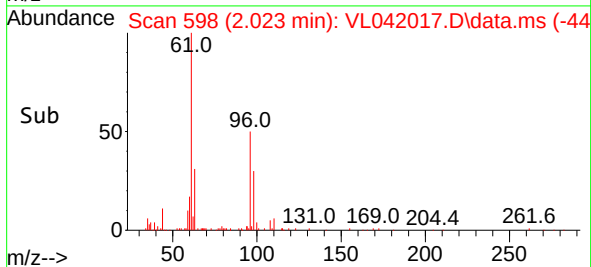
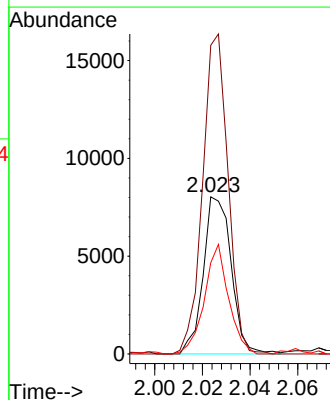
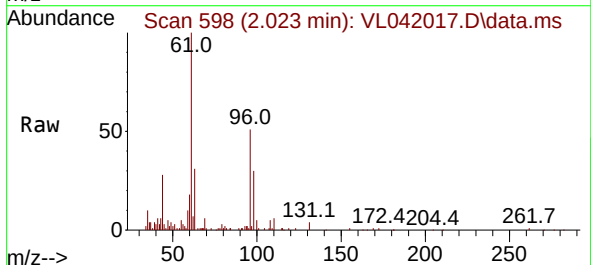
Tgt Ion: 96 Resp: 6569

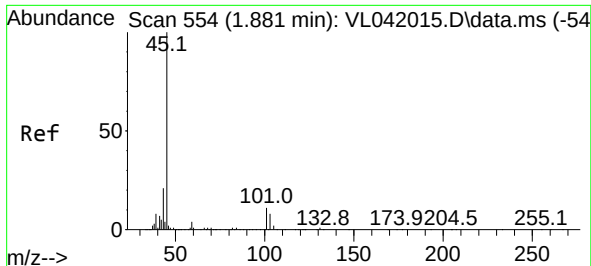
Ion Ratio Lower Upper

96 100

61 196.5 163.5 245.3

98 56.8 49.4 74.0





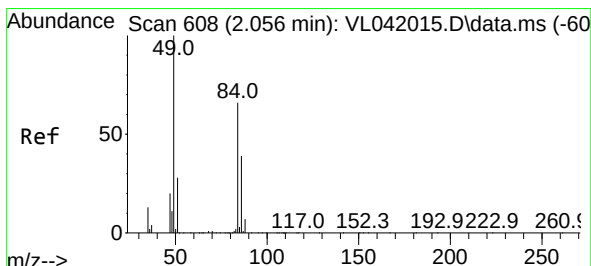
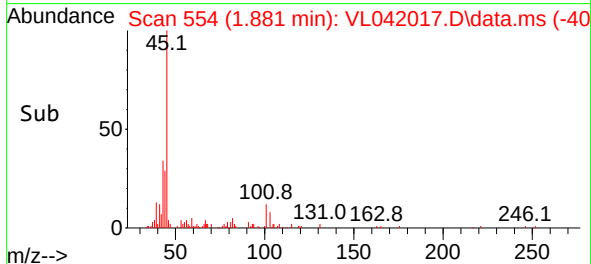
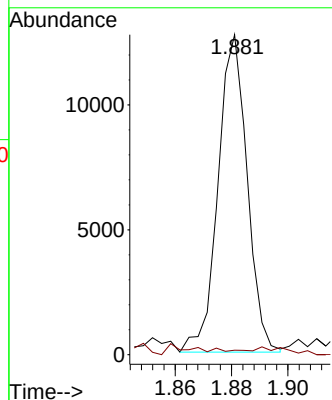
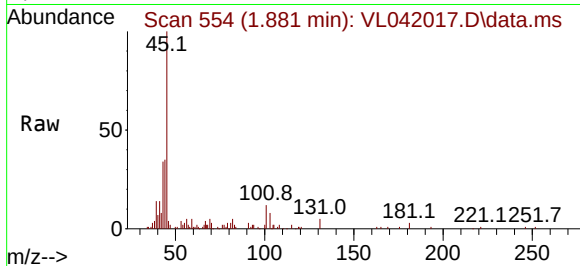
#19
Isopropyl Alcohol
Concen: 1.065 ppbv
RT: 1.881 min Scan# 554
Delta R.T. -0.000 min
Lab File: VL042017.D
Acq: 14 Feb 2025 13:25

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion: 45 Resp: 9139
Ion Ratio Lower Upper
45 100
58 7.0 36.2 54.4

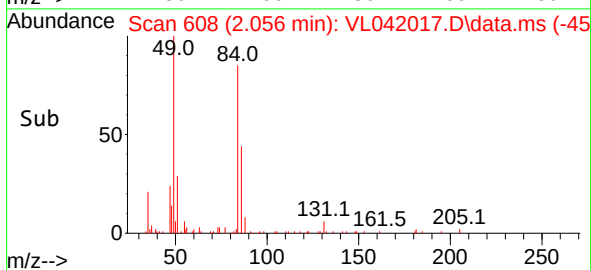
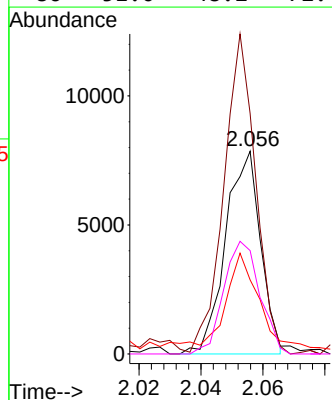
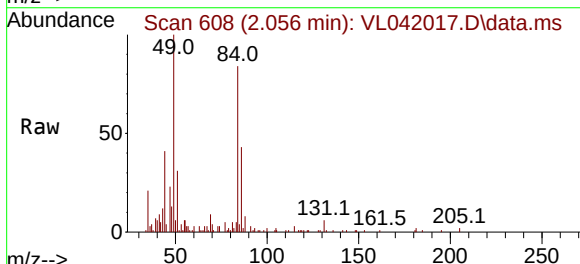
Manual Integrations
APPROVED

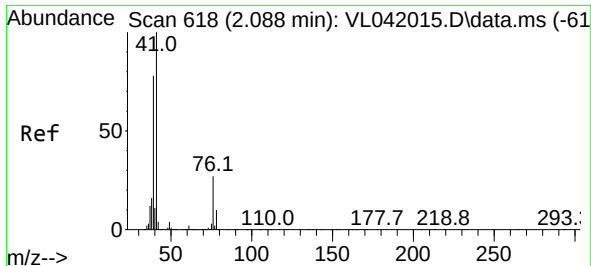
Reviewed By :Semsettin Yesilyurt 02/17/2025
Supervised By :Mahesh Dadoda 02/17/2025



#20
Methylene Chloride
Concen: 1.079 ppbv
RT: 2.056 min Scan# 608
Delta R.T. -0.000 min
Lab File: VL042017.D
Acq: 14 Feb 2025 13:25

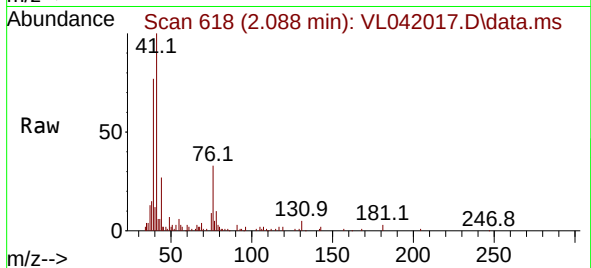
Tgt Ion: 84 Resp: 6180
Ion Ratio Lower Upper
84 100
49 116.2 121.0 181.4#
51 31.3 35.1 52.7#
86 51.0 48.2 72.4





#21
 Allyl Chloride
 Concen: 1.048 ppbv
 RT: 2.088 min Scan# 618
 Delta R.T. -0.000 min
 Lab File: VL042017.D
 Acq: 14 Feb 2025 13:25

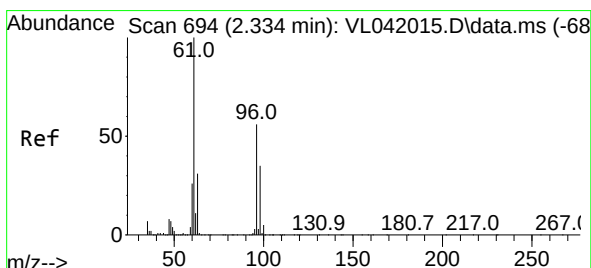
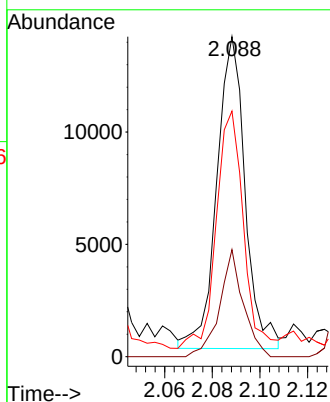
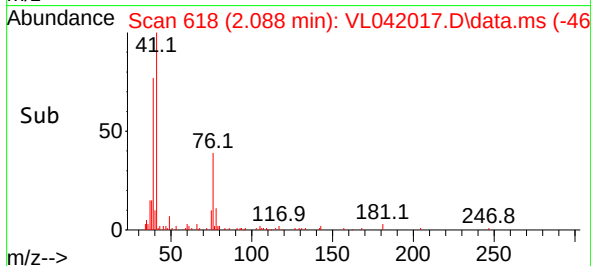
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001



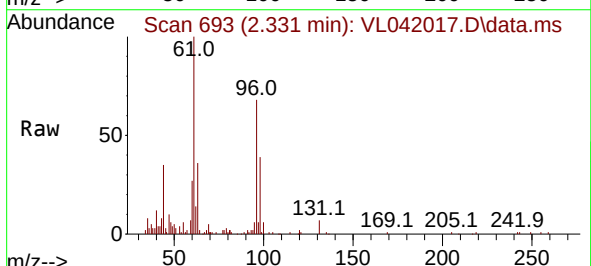
Tgt Ion: 41 Resp: 1147
 Ion Ratio Lower Upper
 41 100
 76 28.6 23.7 35.5
 39 81.5 63.0 94.6

Manual Integrations
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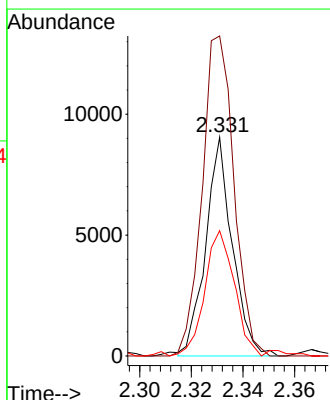
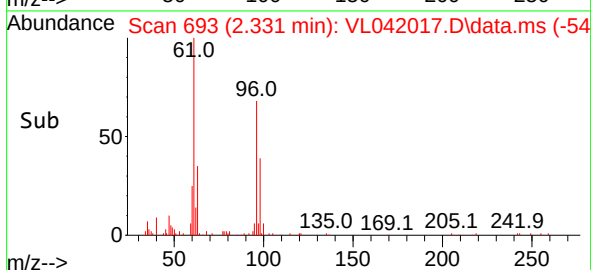
Reviewed By :Semsettin Yesilyurt 02/17/2025
 Supervised By :Mahesh Dadoda 02/17/2025

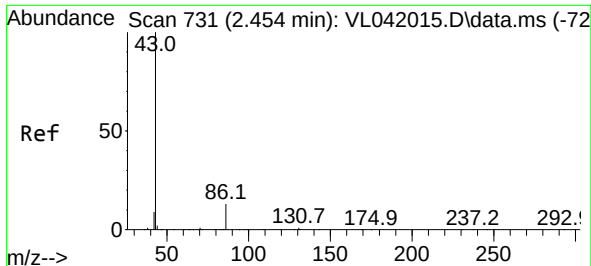


#22
 trans-1,2-Dichloroethene
 Concen: 1.006 ppbv
 RT: 2.331 min Scan# 693
 Delta R.T. -0.003 min
 Lab File: VL042017.D
 Acq: 14 Feb 2025 13:25



Tgt Ion: 96 Resp: 6499
 Ion Ratio Lower Upper
 96 100
 61 146.3 142.3 213.5
 98 56.3 50.2 75.2





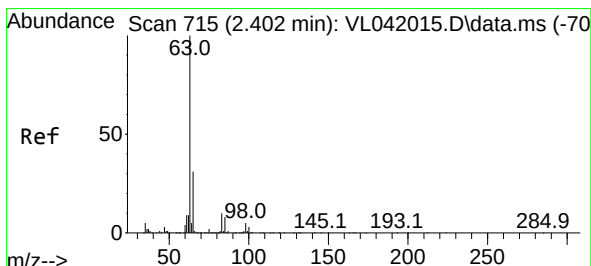
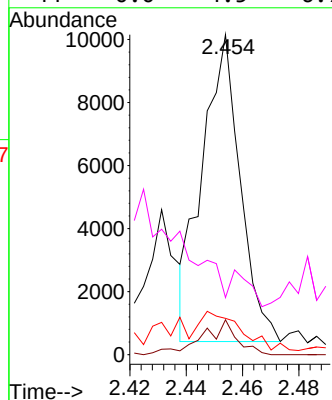
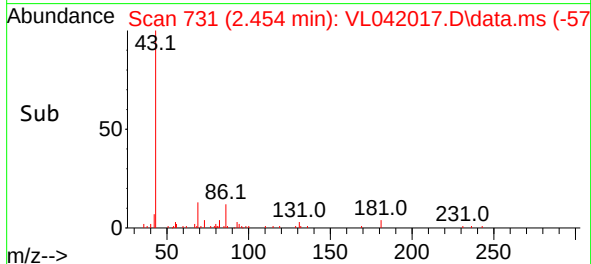
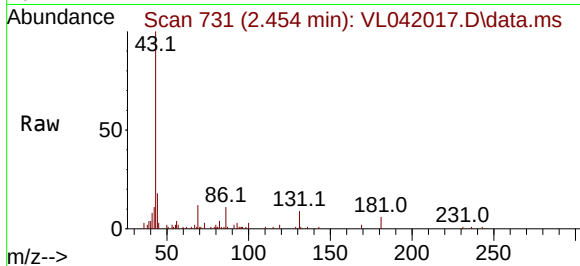
#23
 Vinyl Acetate
 Concen: 1.110 ppbv
 RT: 2.454 min Scan# 714
 Delta R.T. -0.000 min
 Lab File: VL042017.D
 Acq: 14 Feb 2025 13:25

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tgt Ion: 43	Resp: 914
Ion Ratio	Lower Upper
43 100	
86 11.4	8.1 12.1
42 8.1	7.5 11.3
44 0.0	4.5 6.7#

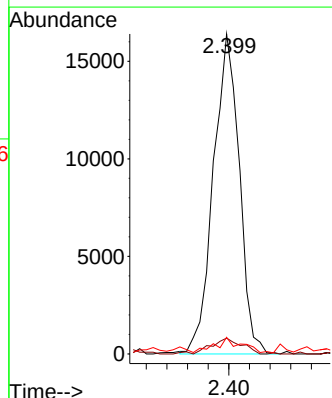
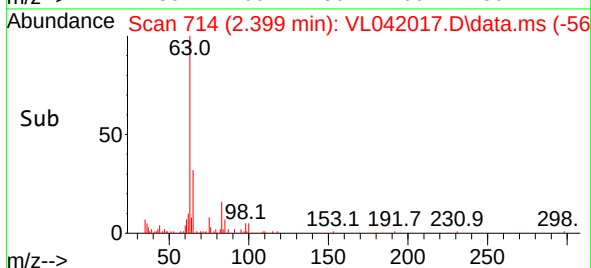
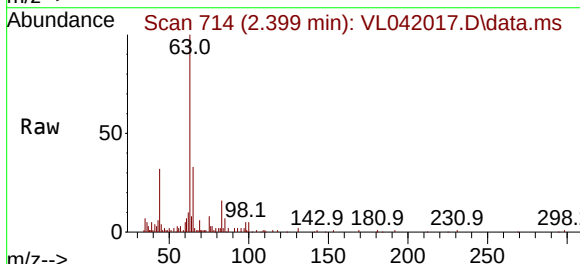
Manual Integrations
 APPROVED

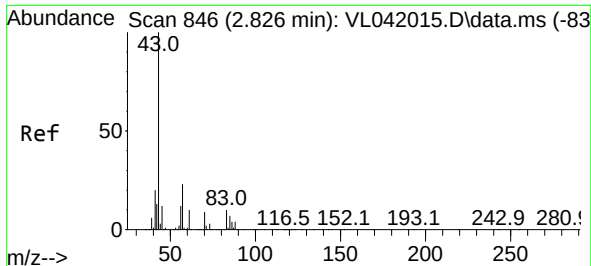
Reviewed By :Semsettin Yesilyurt 02/17/2025
 Supervised By :Mahesh Dadoda 02/17/2025



#24
 1,1-Dichloroethane
 Concen: 1.090 ppbv
 RT: 2.399 min Scan# 714
 Delta R.T. -0.003 min
 Lab File: VL042017.D
 Acq: 14 Feb 2025 13:25

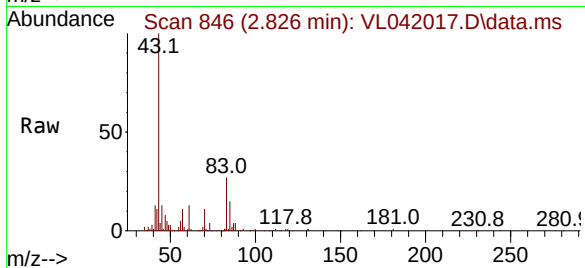
Tgt Ion: 63	Resp: 14290
Ion Ratio	Lower Upper
63 100	
98 5.5	2.4 7.2
100 3.0	1.6 4.8





#25
Ethyl Acetate
Concen: 1.040 ppbv
RT: 2.826 min Scan# 84
Delta R.T. -0.000 min
Lab File: VL042017.D
Acq: 14 Feb 2025 13:25

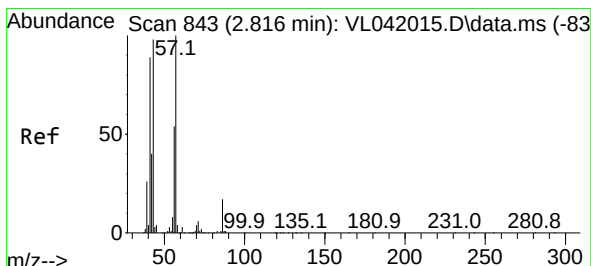
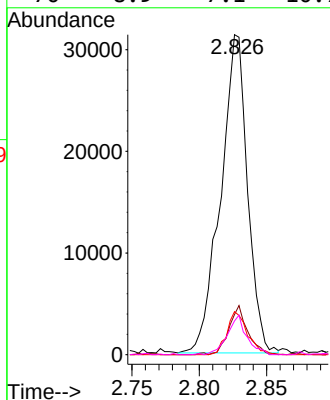
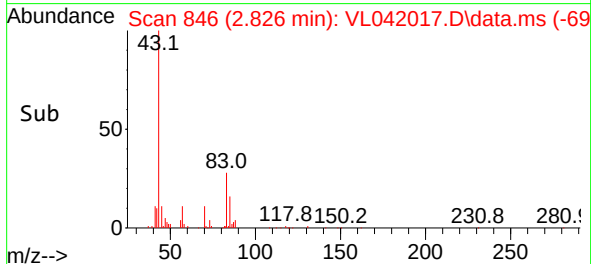
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001



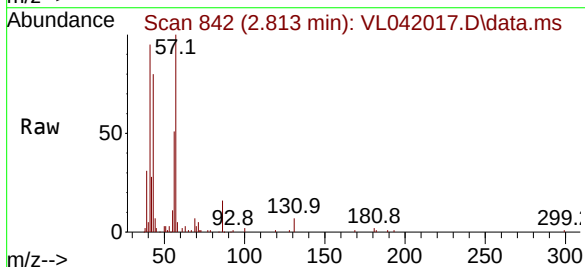
Tgt Ion:	43	Resp:	4344
Ion	Ratio	Lower	Upper
43	100		
45	11.0	8.1	12.1
61	10.4	7.5	11.3
70	8.9	7.1	10.7

Manual Integrations
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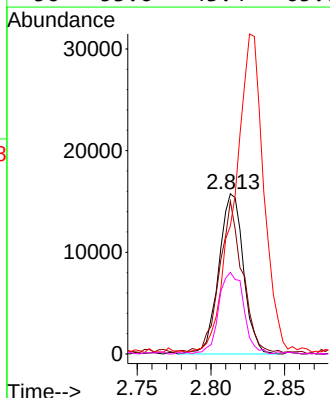
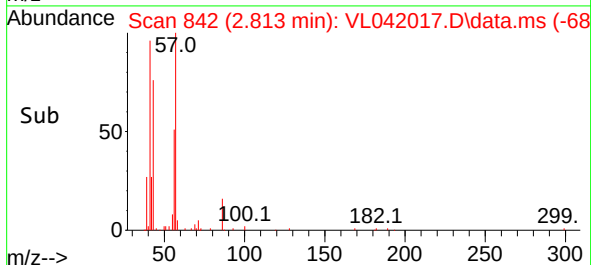
Reviewed By :Semsettin Yesilyurt 02/17/2025
Supervised By :Mahesh Dadoda 02/17/2025

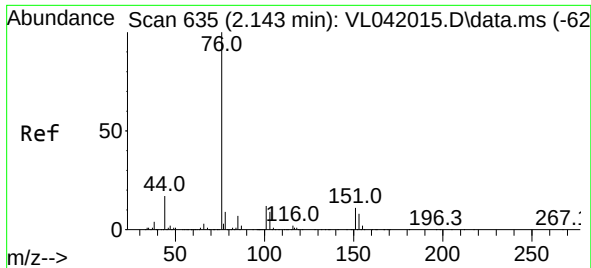


#26
Hexane
Concen: 1.091 ppbv
RT: 2.813 min Scan# 842
Delta R.T. -0.003 min
Lab File: VL042017.D
Acq: 14 Feb 2025 13:25



Tgt Ion:	57	Resp:	18285
Ion	Ratio	Lower	Upper
57	100		
41	90.4	73.2	109.8
43	238.9	200.8	301.2
56	53.6	43.4	65.0





#27

Carbon Disulfide

Concen: 1.080 ppbv

RT: 2.140 min Scan# 61

Delta R.T. -0.003 min

Lab File: VL042017.D

Acq: 14 Feb 2025 13:25

Instrument :

MSVOA_L

ClientSampleId :

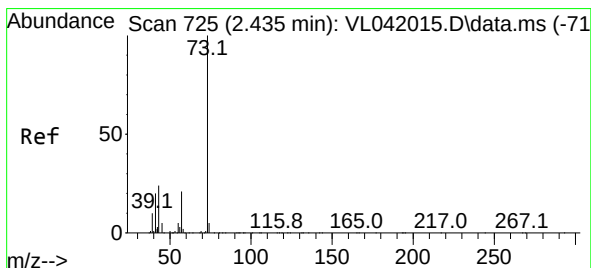
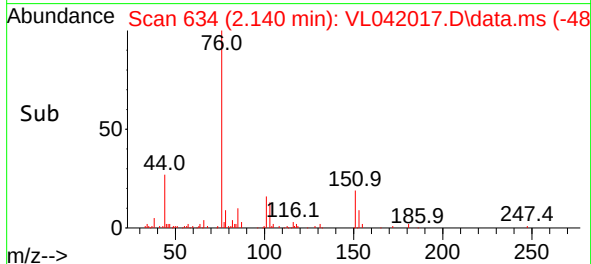
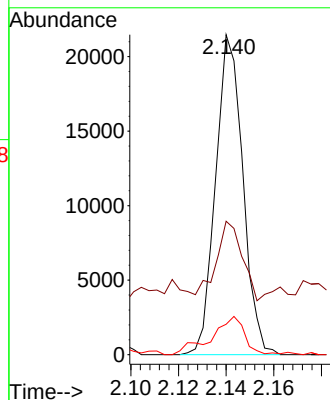
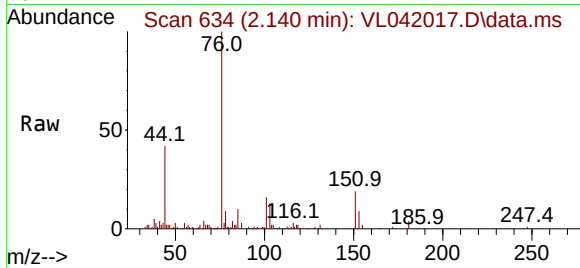
VSTDIC001

Tgt Ion: 76	Resp: 1701
Ion Ratio	Lower Upper
76 100	
44 61.4	18.1 27.1
78 15.1	9.5 14.3

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 02/17/2025
Supervised By :Mahesh Dadoda 02/17/2025



#28

Methyl tert-Butyl Ether

Concen: 1.158 ppbv

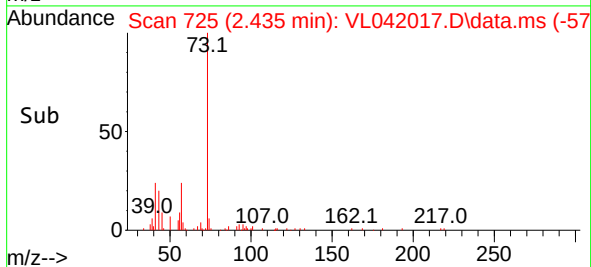
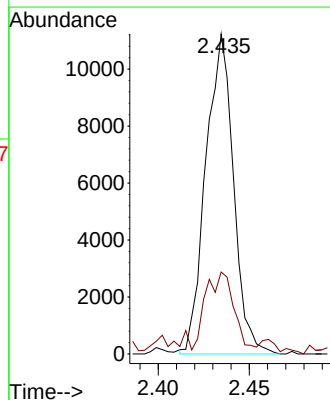
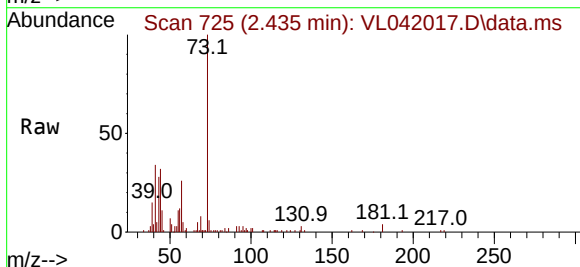
RT: 2.435 min Scan# 725

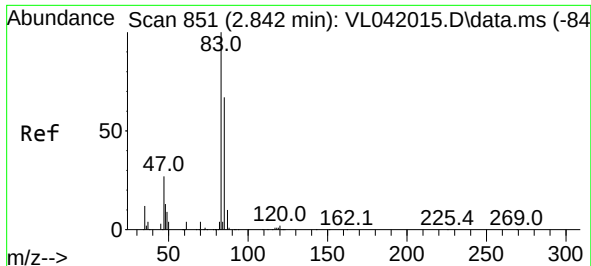
Delta R.T. -0.000 min

Lab File: VL042017.D

Acq: 14 Feb 2025 13:25

Tgt Ion: 73	Resp: 11866
Ion Ratio	Lower Upper
73 100	
57 32.0	18.3 27.5





#29

Chloroform

Concen: 1.043 ppbv

RT: 2.836 min Scan# 84

Delta R.T. -0.006 min

Lab File: VL042017.D

Acq: 14 Feb 2025 13:25

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tgt Ion: 83 Resp: 25310

Ion Ratio Lower Upper

83 100

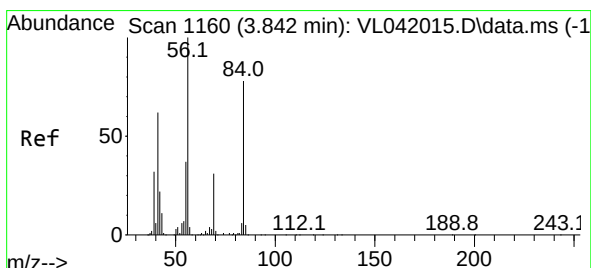
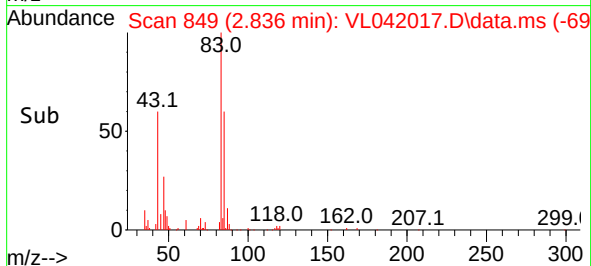
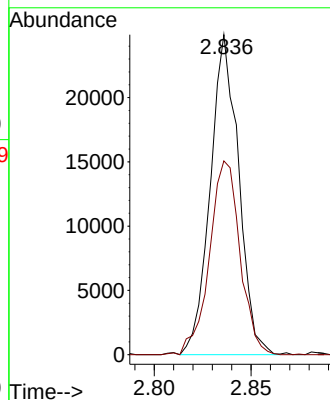
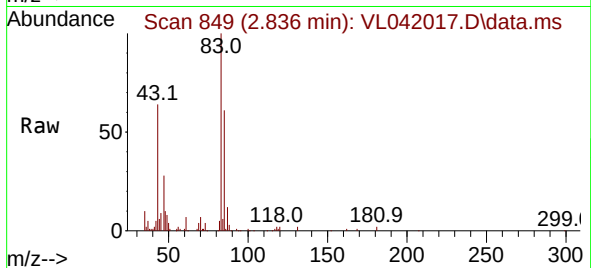
85 60.7 53.8 80.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/17/2025

Supervised By :Mahesh Dadoda 02/17/2025



#30

Cyclohexane

Concen: 1.038 ppbv

RT: 3.836 min Scan# 1158

Delta R.T. -0.006 min

Lab File: VL042017.D

Acq: 14 Feb 2025 13:25

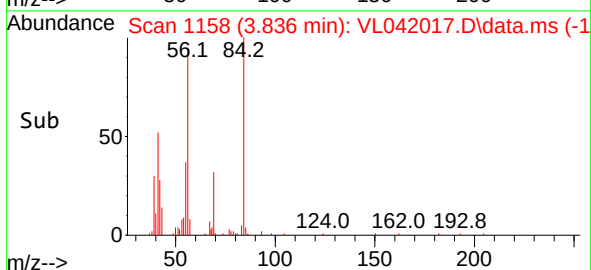
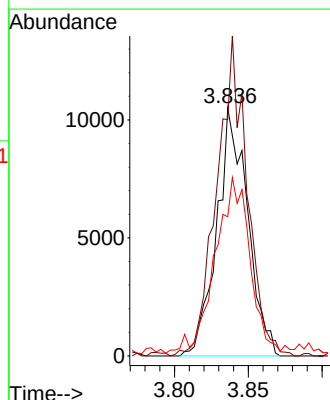
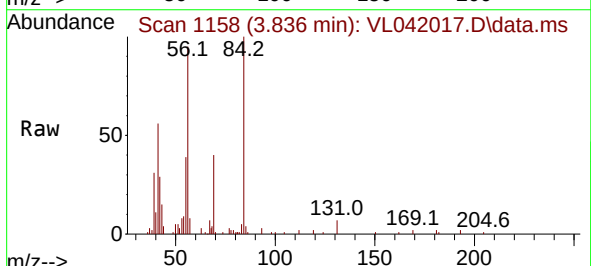
Tgt Ion: 84 Resp: 15240

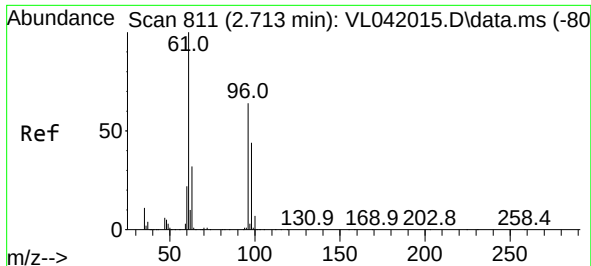
Ion Ratio Lower Upper

84 100

56 128.2 99.5 149.3

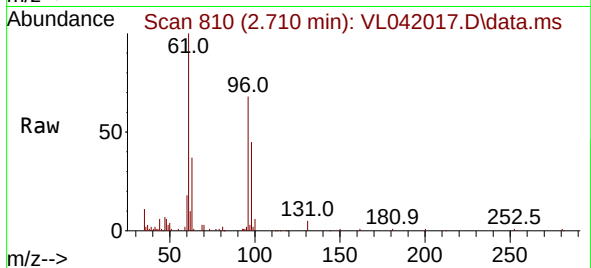
41 80.4 62.2 93.2





#31
 cis-1,2-Dichloroethene
 Concen: 1.032 ppbv
 RT: 2.710 min Scan# 811
 Delta R.T. -0.003 min
 Lab File: VL042017.D
 Acq: 14 Feb 2025 13:25

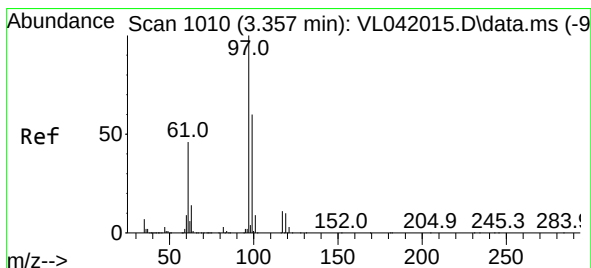
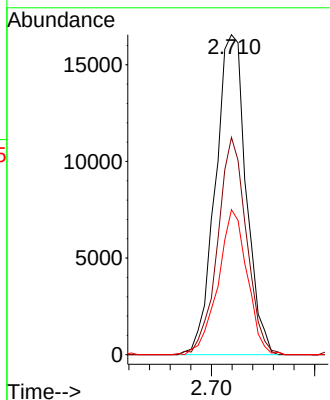
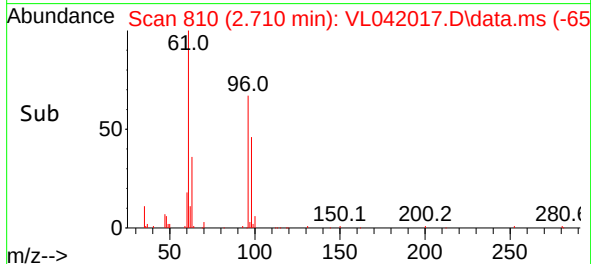
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC001



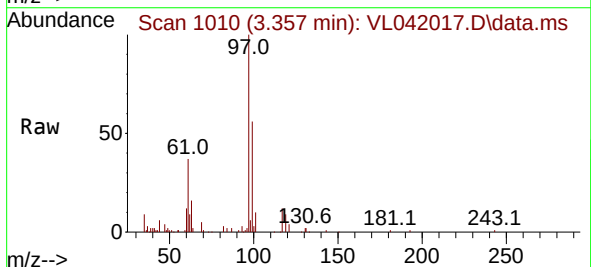
Tgt Ion: 61 Resp: 1709
 Ion Ratio Lower Upper
 61 100
 96 67.9 51.6 77.4
 98 44.9 34.8 52.2

Manual Integrations
 APPROVED

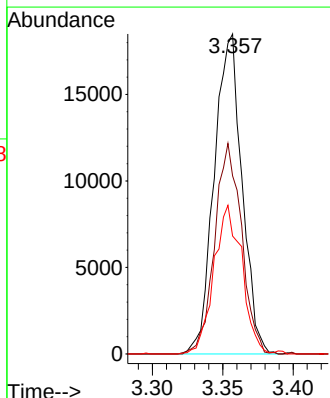
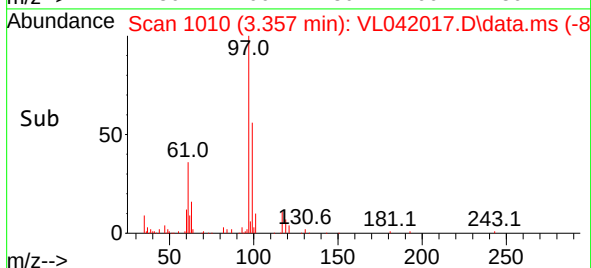
Reviewed By :Semsettin Yesilyurt 02/17/2025
 Supervised By :Mahesh Dadoda 02/17/2025

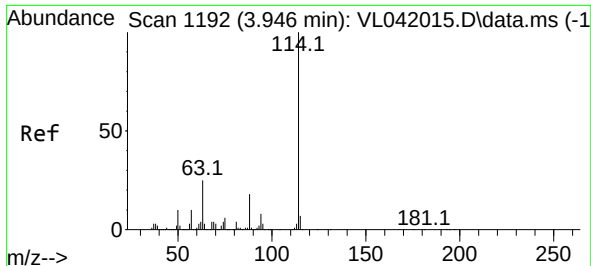


#32
 1,1,1-Trichloroethane
 Concen: 0.945 ppbv
 RT: 3.357 min Scan# 1010
 Delta R.T. -0.000 min
 Lab File: VL042017.D
 Acq: 14 Feb 2025 13:25



Tgt Ion: 97 Resp: 25430
 Ion Ratio Lower Upper
 97 100
 99 63.7 51.0 76.4
 61 47.0 37.9 56.9





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.940 min Scan# 1192

Delta R.T. -0.006 min

Lab File: VL042017.D

Acq: 14 Feb 2025 13:25

Instrument :

MSVOA_L

ClientSampleId :

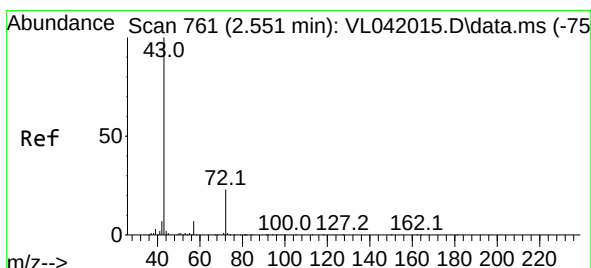
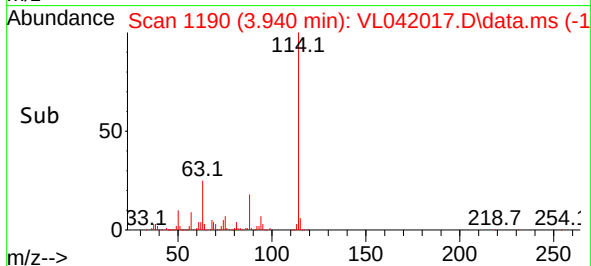
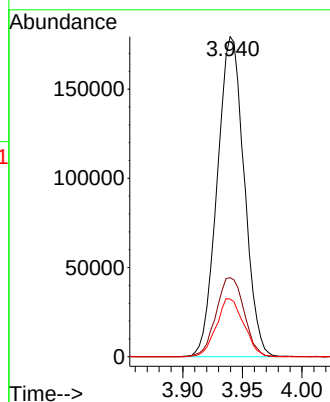
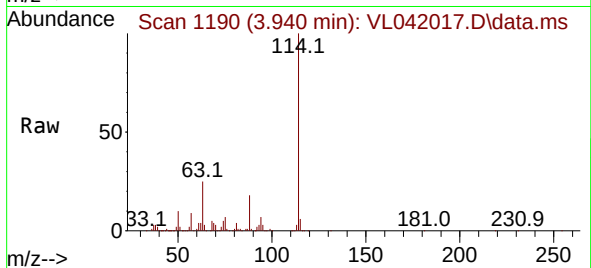
VSTDICC001

Tgt Ion:	114	Resp:	28206
Ion Ratio	Lower	Upper	
114	100		
63	25.6	20.2	30.2
88	18.4	14.4	21.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/17/2025
Supervised By :Mahesh Dadoda 02/17/2025



#34

2-Butanone

Concen: 1.054 ppbv

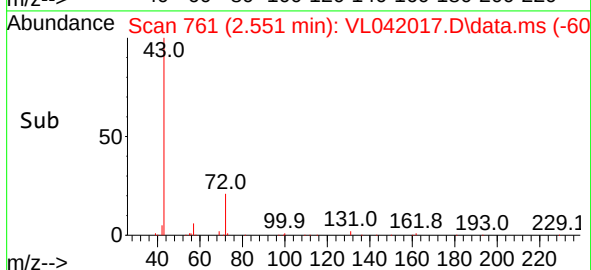
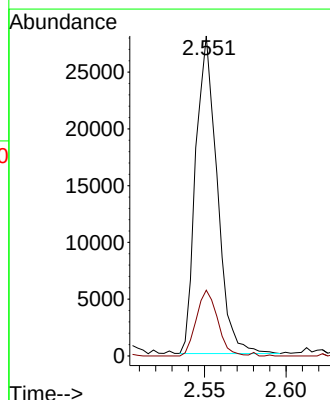
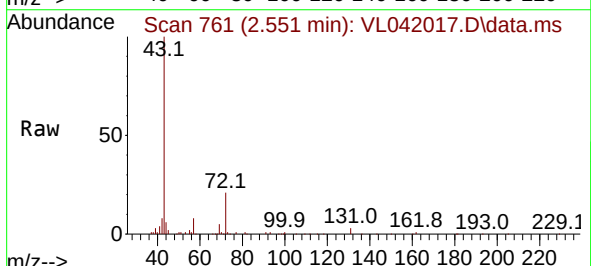
RT: 2.551 min Scan# 761

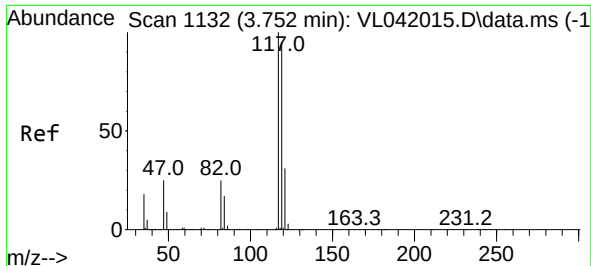
Delta R.T. -0.000 min

Lab File: VL042017.D

Acq: 14 Feb 2025 13:25

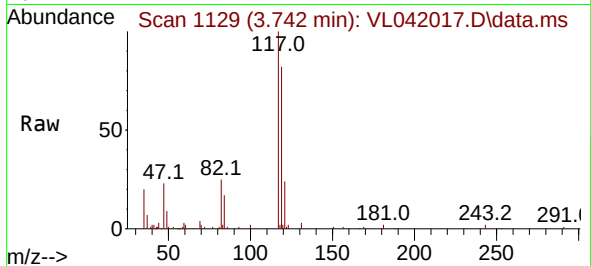
Tgt Ion:	43	Resp:	25581
Ion Ratio	Lower	Upper	
43	100		
72	20.8	18.3	27.5





#35
Carbon Tetrachloride
Concen: 0.984 ppbv
RT: 3.742 min Scan# 1132
Delta R.T. -0.010 min
Lab File: VL042017.D
Acq: 14 Feb 2025 13:25

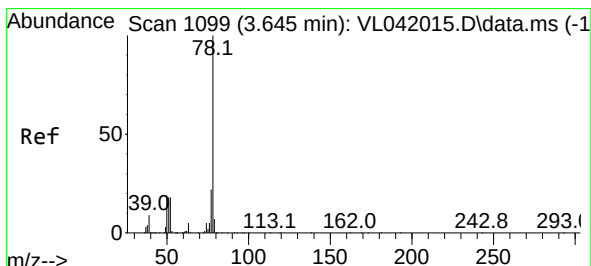
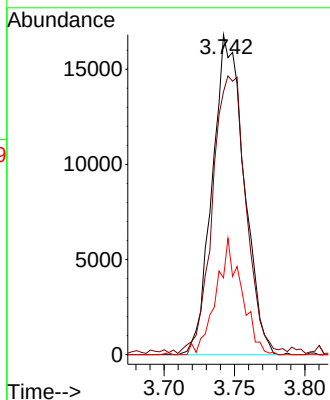
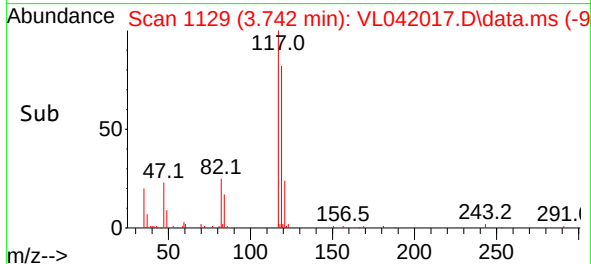
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001



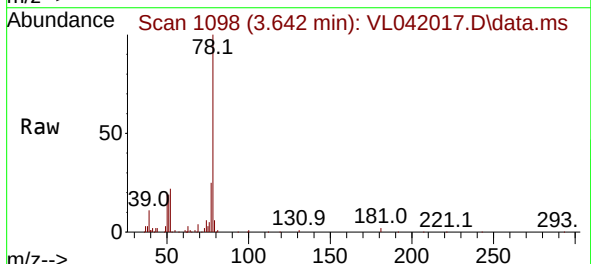
Tgt Ion: 117 Resp: 26438
Ion Ratio Lower Upper
117 100
119 83.3 75.8 113.6
121 24.0 24.6 36.8

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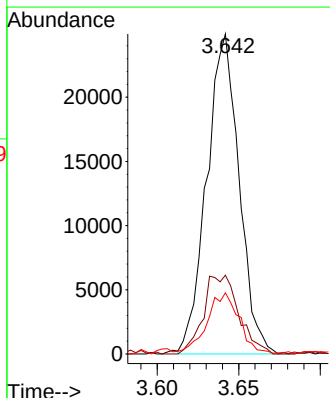
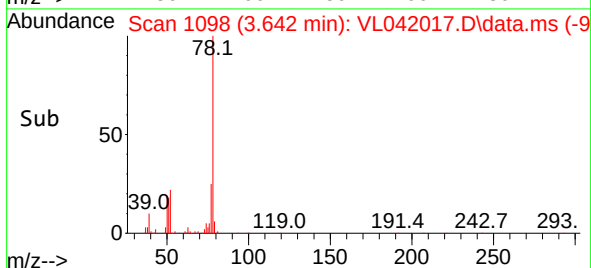
Reviewed By :Semsettin Yesilyurt 02/17/2025
Supervised By :Mahesh Dadoda 02/17/2025

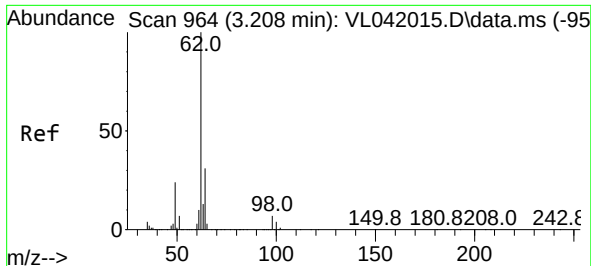


#36
Benzene
Concen: 1.006 ppbv
RT: 3.642 min Scan# 1098
Delta R.T. -0.003 min
Lab File: VL042017.D
Acq: 14 Feb 2025 13:25



Tgt Ion: 78 Resp: 34379
Ion Ratio Lower Upper
78 100
77 24.6 18.0 27.0
50 18.7 15.2 22.8





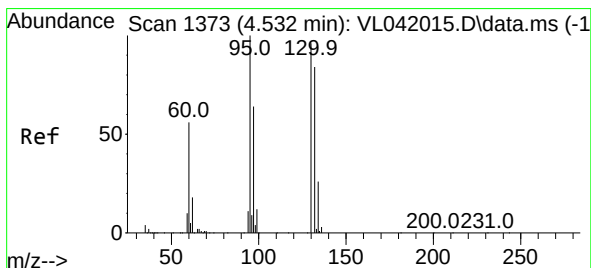
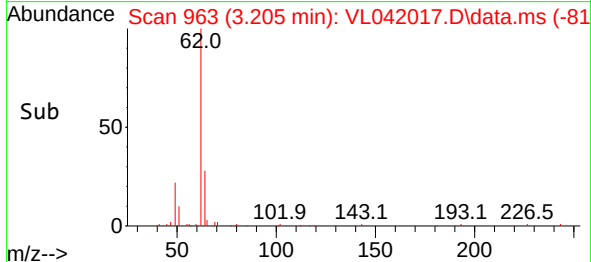
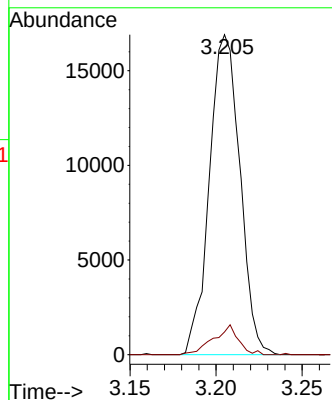
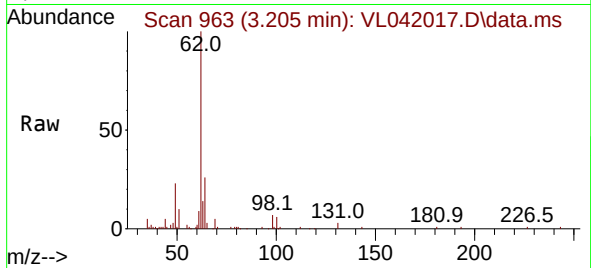
#37
1,2-Dichloroethane
Concen: 1.073 ppbv
RT: 3.205 min Scan# 963
Delta R.T. -0.003 min
Lab File: VL042017.D
Acq: 14 Feb 2025 13:25

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 62 Resp: 2086
Ion Ratio Lower Upper
62 100
98 7.6 5.7 8.5

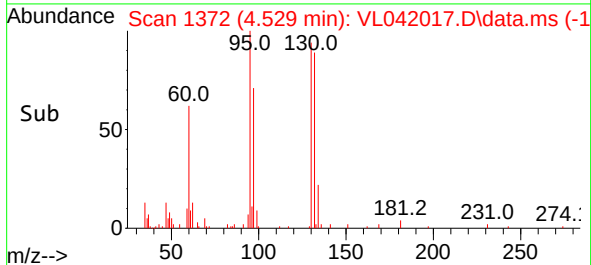
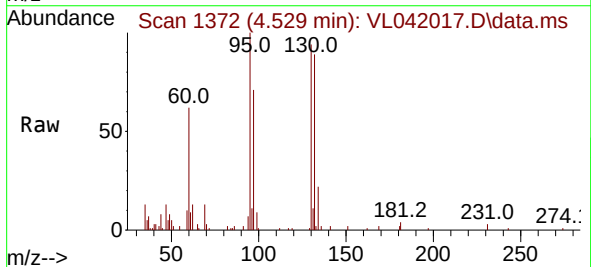
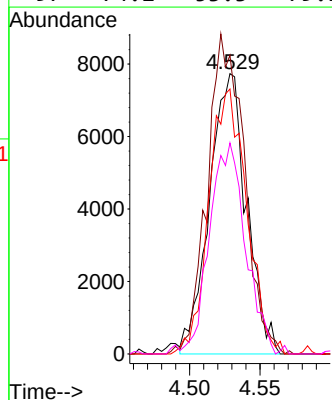
Manual Integrations
APPROVED

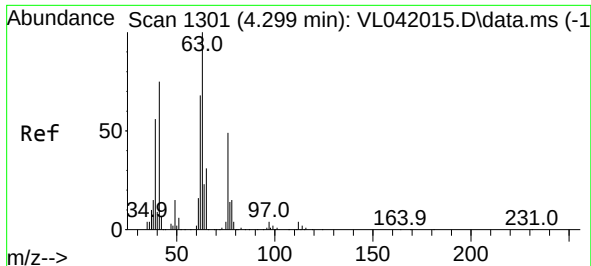
Reviewed By :Semsettin Yesilyurt 02/17/2025
Supervised By :Mahesh Dadoda 02/17/2025



#38
Trichloroethene
Concen: 1.013 ppbv
RT: 4.529 min Scan# 1372
Delta R.T. -0.003 min
Lab File: VL042017.D
Acq: 14 Feb 2025 13:25

Tgt Ion:130 Resp: 14210
Ion Ratio Lower Upper
130 100
95 105.0 82.8 124.2
132 92.1 70.0 105.0
97 74.2 53.3 79.9





#39

1,2-Dichloropropane

Concen: 1.040 ppbv

RT: 4.299 min Scan# 1301

Delta R.T. -0.000 min

Lab File: VL042017.D

Acq: 14 Feb 2025 13:25

Instrument :

MSVOA_L

ClientSampleId :

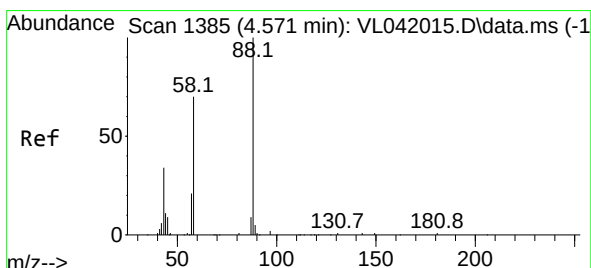
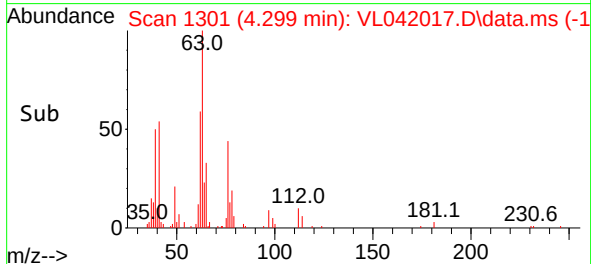
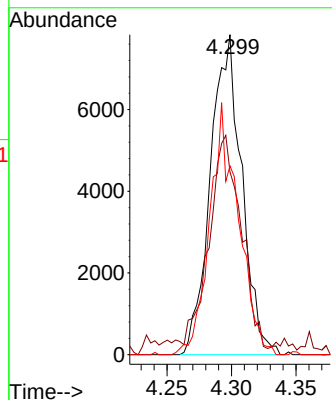
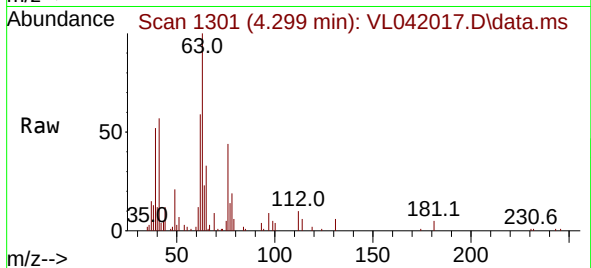
VSTDICC001

Tgt Ion:	63	Resp:	1318
Ion	Ratio	Lower	Upper
63	100		
41	54.5	60.1	90.1
62	59.0	54.0	81.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/17/2025
Supervised By :Mahesh Dadoda 02/17/2025



#40

1,4-Dioxane

Concen: 1.115 ppbv m

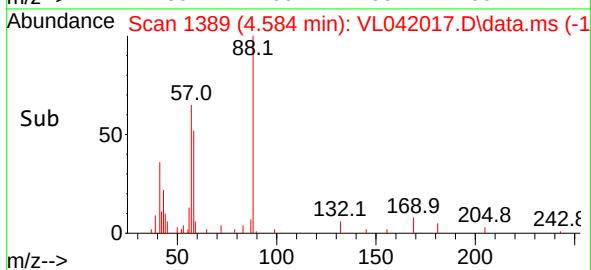
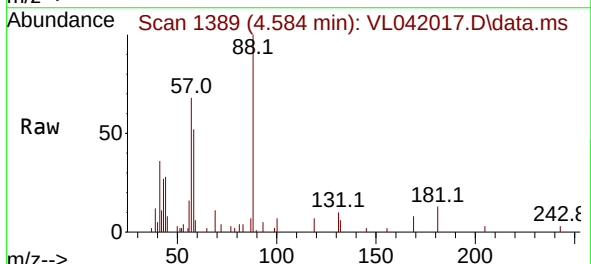
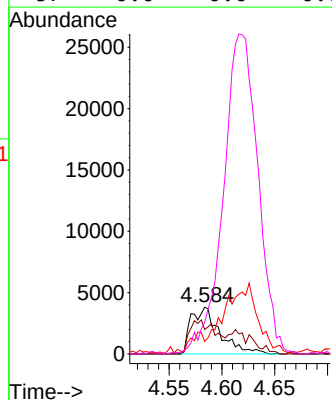
RT: 4.584 min Scan# 1389

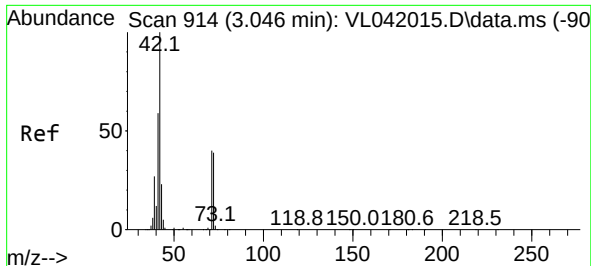
Delta R.T. 0.013 min

Lab File: VL042017.D

Acq: 14 Feb 2025 13:25

Tgt Ion:	88	Resp:	7225
Ion	Ratio	Lower	Upper
88	100		
58	106.7	58.1	87.1
43	0.0	27.3	40.9
57	0.0	0.0	0.0





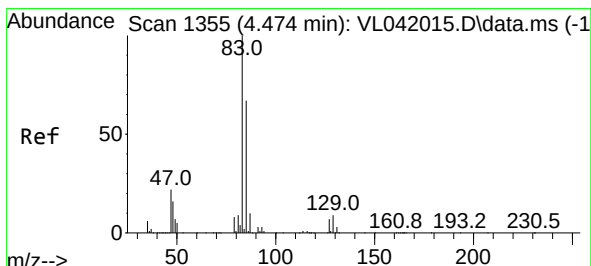
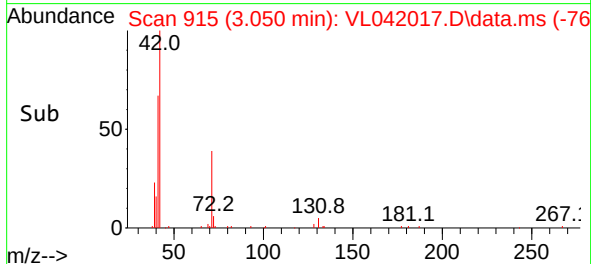
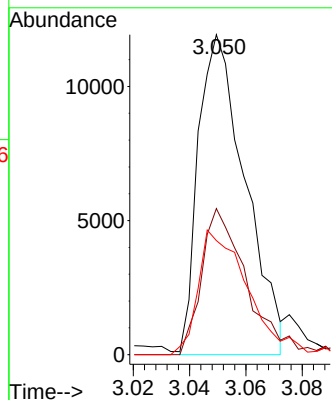
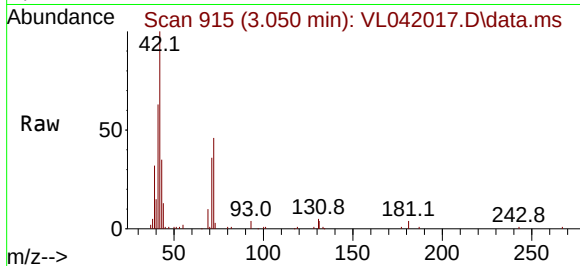
#41
Tetrahydrofuran
Concen: 0.971 ppbv
RT: 3.050 min Scan# 914
Delta R.T. 0.003 min
Lab File: VL042017.D
Acq: 14 Feb 2025 13:25

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion: 42 Resp: 13754
Ion Ratio Lower Upper
42 100
72 44.6 32.3 48.5
71 41.4 30.9 46.3

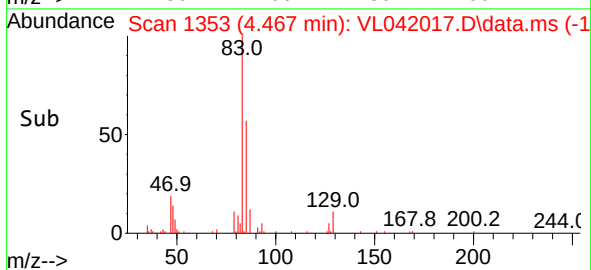
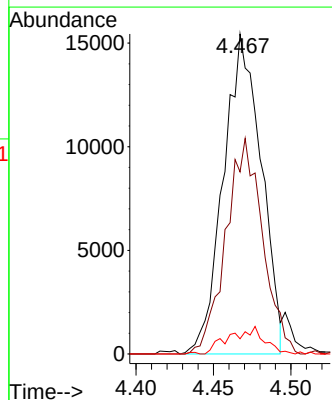
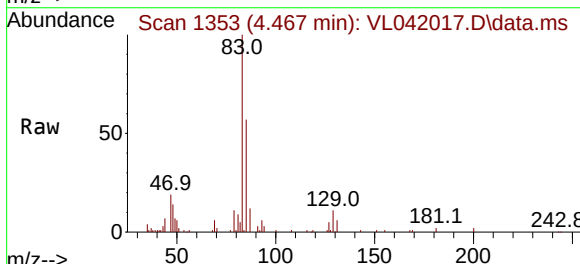
Manual Integrations
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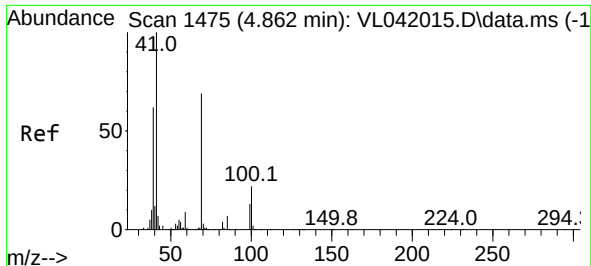
Reviewed By :Semsettin Yesilyurt 02/17/2025
Supervised By :Mahesh Dadoda 02/17/2025



#42
Bromodichloromethane
Concen: 0.995 ppbv
RT: 4.467 min Scan# 1353
Delta R.T. -0.006 min
Lab File: VL042017.D
Acq: 14 Feb 2025 13:25

Tgt Ion: 83 Resp: 26223
Ion Ratio Lower Upper
83 100
85 56.9 53.3 79.9
127 4.7 6.0 9.0





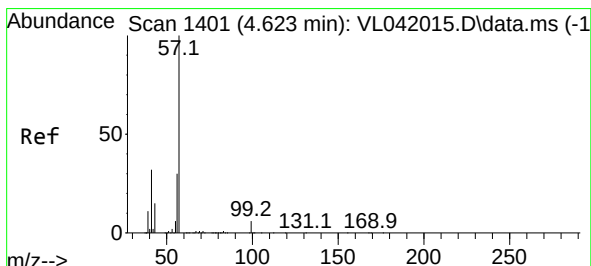
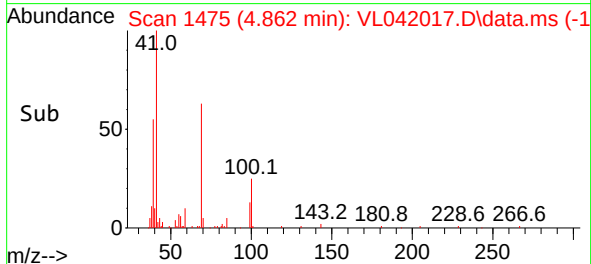
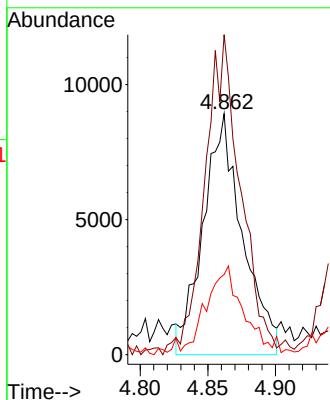
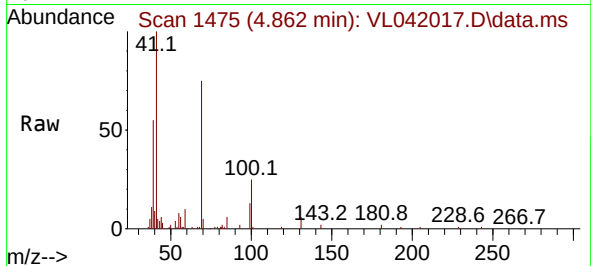
#43
Methyl Methacrylate
Concen: 1.172 ppbv
RT: 4.862 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VL042017.D
Acq: 14 Feb 2025 13:25

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion: 69 Resp: 1800
Ion Ratio Lower Upper
69 100
41 123.4 114.9 172.3
100 37.0 28.8 43.2

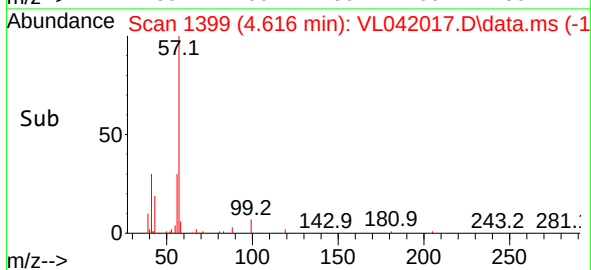
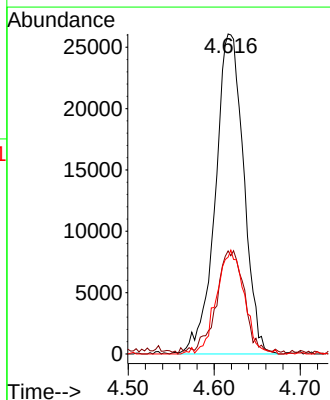
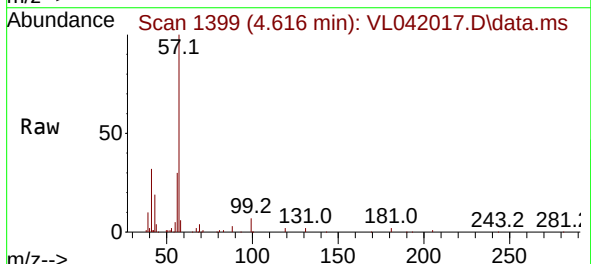
Manual Integrations
APPROVED

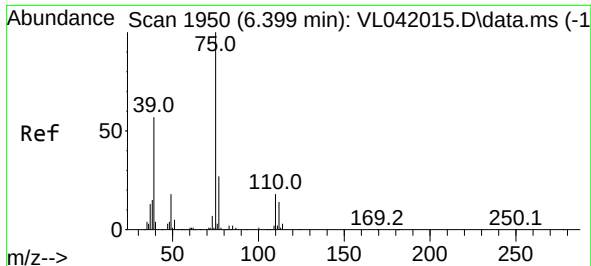
Reviewed By :Semsettin Yesilyurt 02/17/2025
Supervised By :Mahesh Dadoda 02/17/2025



#44
2,2,4-Trimethylpentane
Concen: 1.026 ppbv
RT: 4.616 min Scan# 1399
Delta R.T. -0.006 min
Lab File: VL042017.D
Acq: 14 Feb 2025 13:25

Tgt Ion: 57 Resp: 59532
Ion Ratio Lower Upper
57 100
41 32.0 25.9 38.9
56 32.1 24.9 37.3





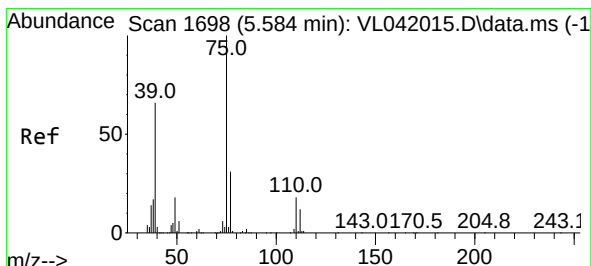
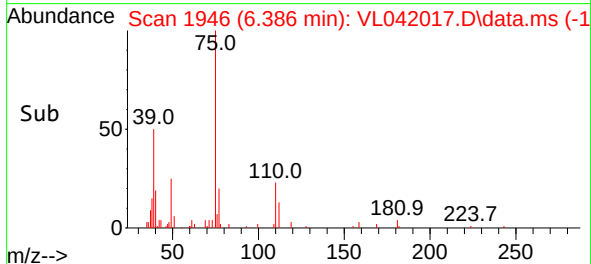
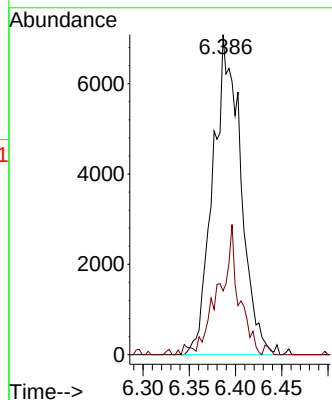
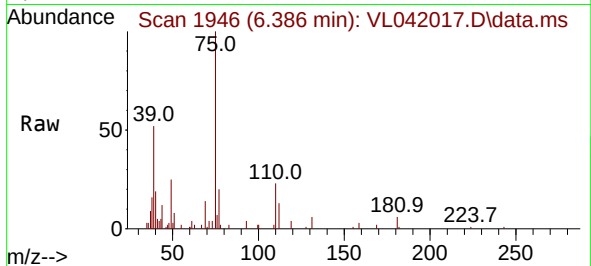
#45
t-1,3-Dichloropropene
Concen: 1.010 ppbv m
RT: 6.386 min Scan# 1946
Delta R.T. -0.013 min
Lab File: VL042017.D
Acq: 14 Feb 2025 13:25

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 75 Resp: 1486
Ion Ratio Lower Upper
75 100
77 20.0 22.1 33.1

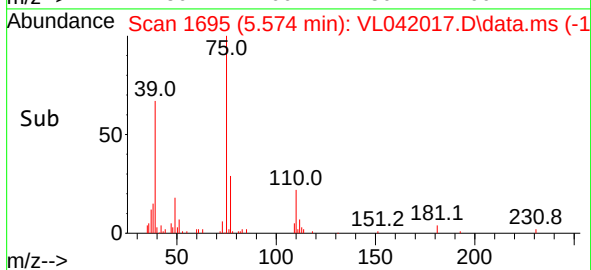
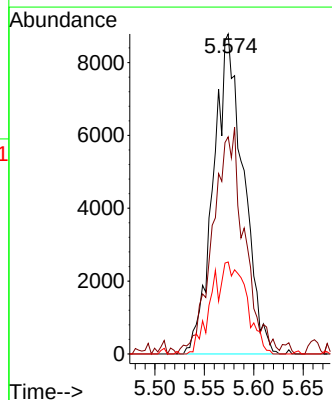
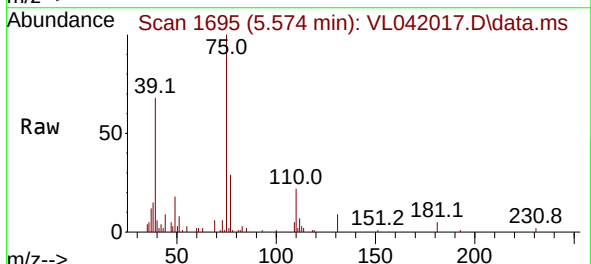
Manual Integrations
APPROVED

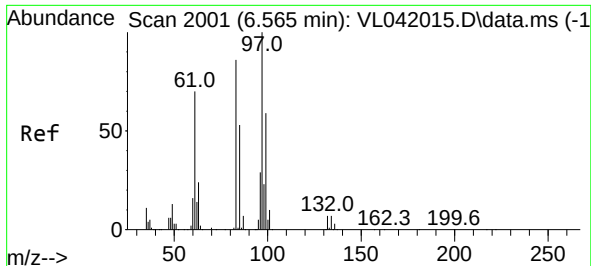
Reviewed By :Semsettin Yesilyurt 02/17/2025
Supervised By :Mahesh Dadoda 02/17/2025



#46
cis-1,3-Dichloropropene
Concen: 0.999 ppbv m
RT: 5.574 min Scan# 1695
Delta R.T. -0.010 min
Lab File: VL042017.D
Acq: 14 Feb 2025 13:25

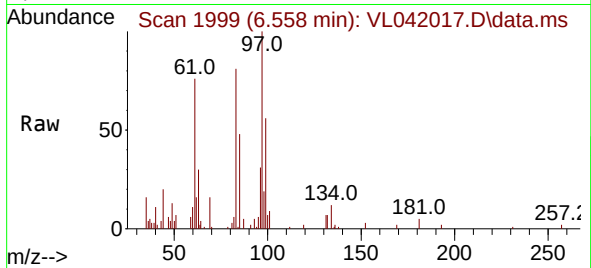
Tgt Ion: 75 Resp: 18645
Ion Ratio Lower Upper
75 100
39 67.9 52.2 78.4
77 28.8 24.5 36.7





#47
1,1,2-Trichloroethane
Concen: 1.000 ppbv m
RT: 6.558 min Scan# 1999
Delta R.T. -0.006 min
Lab File: VL042017.D
Acq: 14 Feb 2025 13:25

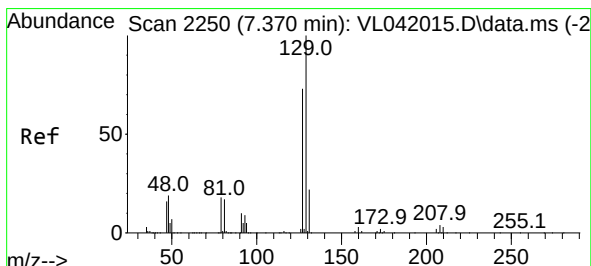
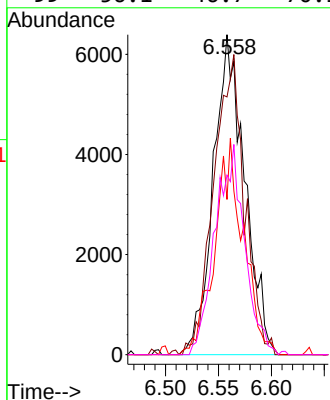
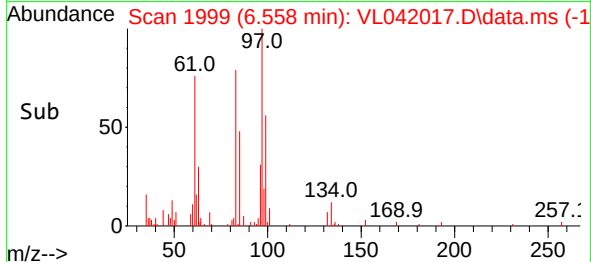
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



Tgt Ion	Ratio	Lower	Upper
97	100		
83	80.6	68.6	102.8
85	48.5	42.2	63.4
99	56.1	46.7	70.1

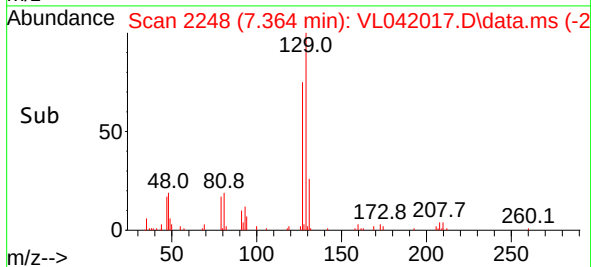
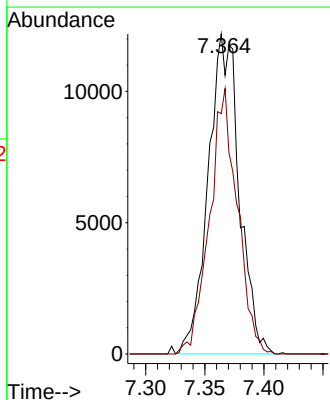
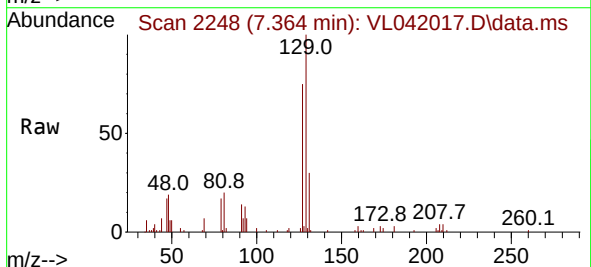
Manual Integrations
APPROVED

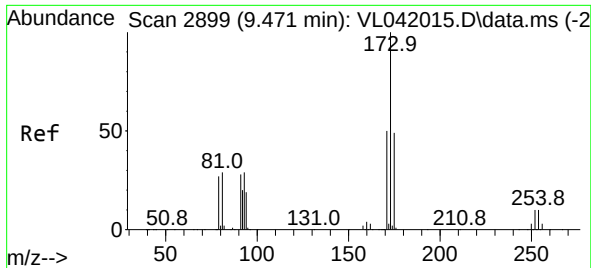
Reviewed By :Semsettin Yesilyurt 02/17/2025
Supervised By :Mahesh Dadoda 02/17/2025



#48
Dibromochloromethane
Concen: 1.019 ppbv m
RT: 7.364 min Scan# 2248
Delta R.T. -0.006 min
Lab File: VL042017.D
Acq: 14 Feb 2025 13:25

Tgt Ion	Ratio	Lower	Upper
129	100		
127	74.2	38.2	114.6





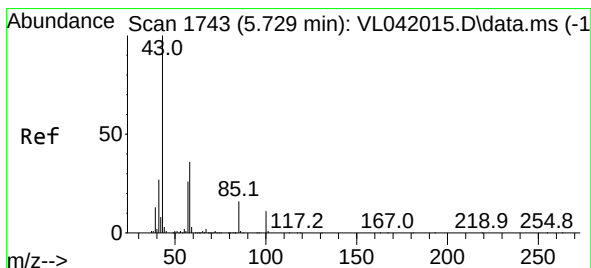
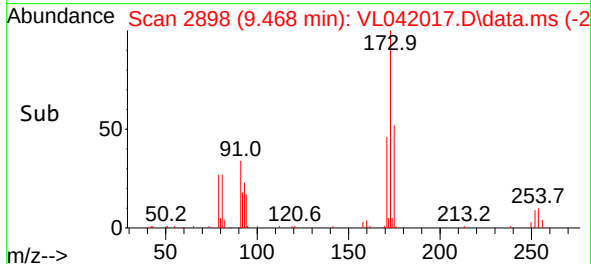
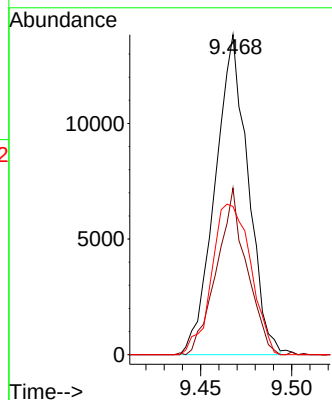
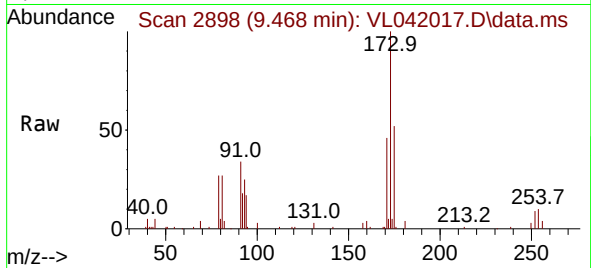
#49
Bromoform
Concen: 0.960 ppbv
RT: 9.468 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL042017.D
Acq: 14 Feb 2025 13:25

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:173 Resp: 17398
Ion Ratio Lower Upper
173 100
175 47.5 39.3 58.9
171 55.6 41.4 62.2

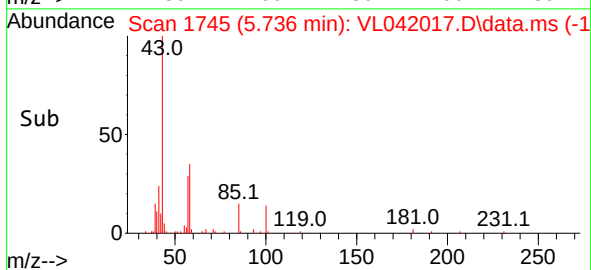
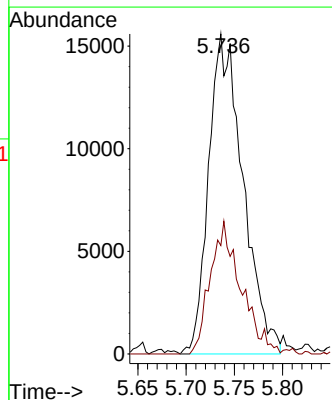
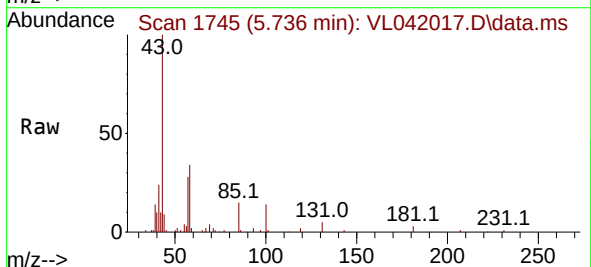
Manual Integrations
APPROVED

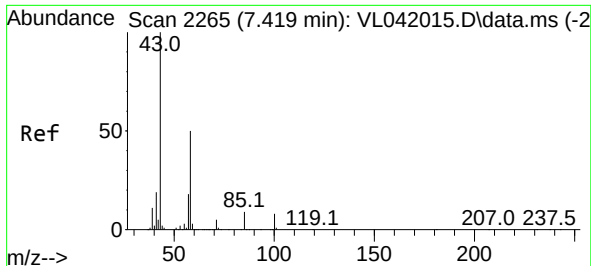
Reviewed By :Semsettin Yesilyurt 02/17/2025
Supervised By :Mahesh Dadoda 02/17/2025



#50
4-Methyl-2-Pentanone
Concen: 1.023 ppbv m
RT: 5.736 min Scan# 1745
Delta R.T. 0.006 min
Lab File: VL042017.D
Acq: 14 Feb 2025 13:25

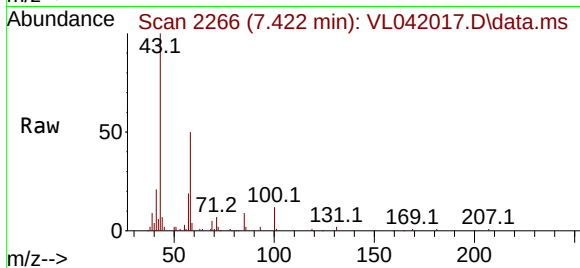
Tgt Ion: 43 Resp: 38589
Ion Ratio Lower Upper
43 100
58 37.7 29.4 44.0





#51
2-Hexanone
Concen: 1.069 ppbv
RT: 7.422 min Scan# 2107
Delta R.T. 0.003 min
Lab File: VL042017.D
Acq: 14 Feb 2025 13:25

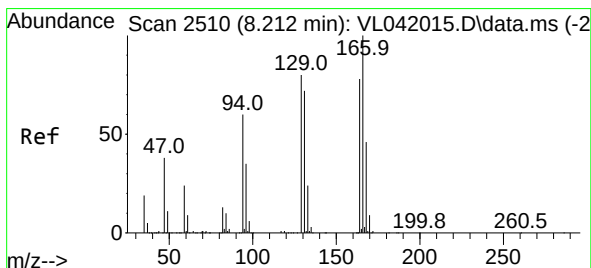
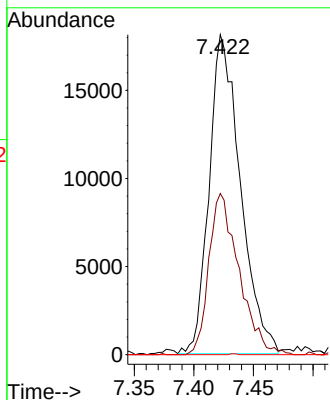
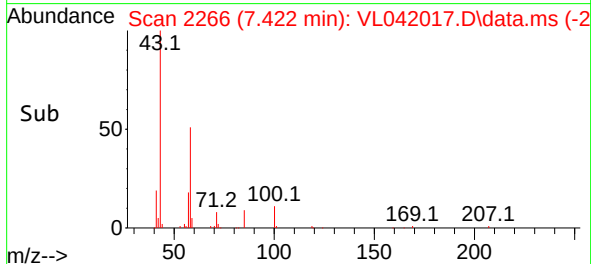
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001



Tgt Ion: 43 Resp: 33040
Ion Ratio Lower Upper
43 100
58 48.8 41.4 62.0
98 0.1 0.0 0.0

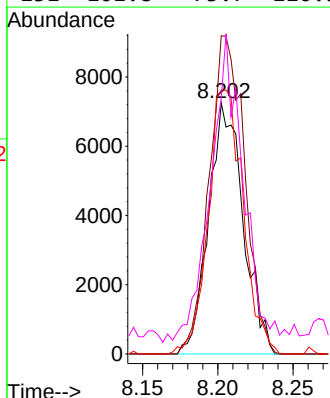
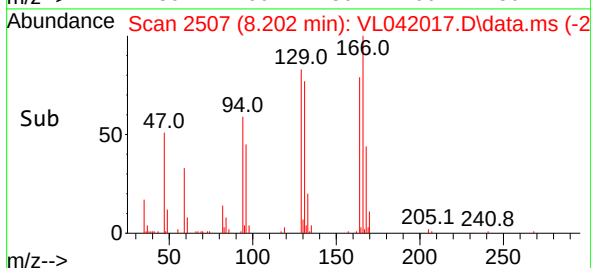
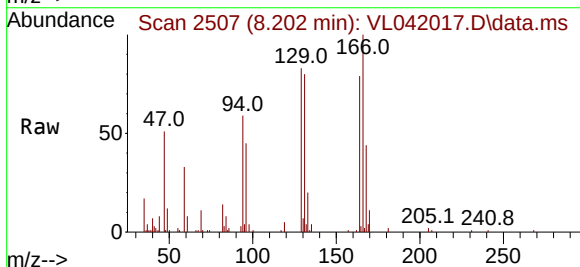
Manual Integrations
APPROVED

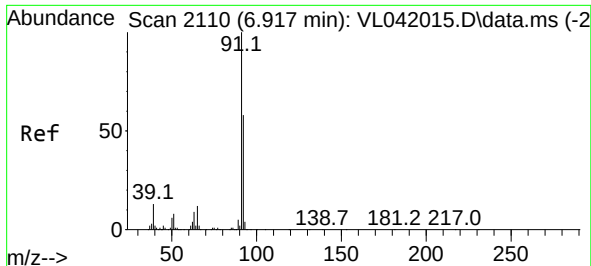
Reviewed By :Semsettin Yesilyurt 02/17/2025
Supervised By :Mahesh Dadoda 02/17/2025



#52
Tetrachloroethene
Concen: 0.974 ppbv m
RT: 8.202 min Scan# 2507
Delta R.T. -0.010 min
Lab File: VL042017.D
Acq: 14 Feb 2025 13:25

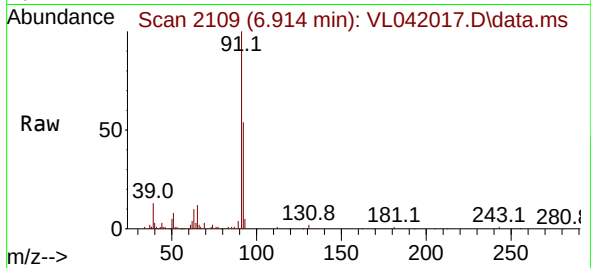
Tgt Ion:164 Resp: 11613
Ion Ratio Lower Upper
164 100
166 126.8 102.2 153.2
129 105.2 82.2 123.4
131 101.8 73.7 110.5





#53
Toluene
Concen: 1.060 ppbv m
RT: 6.914 min Scan# 2110
Delta R.T. -0.003 min
Lab File: VL042017.D
Acq: 14 Feb 2025 13:25

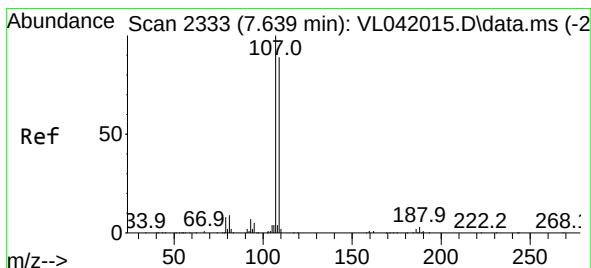
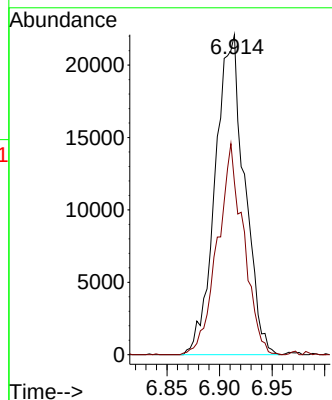
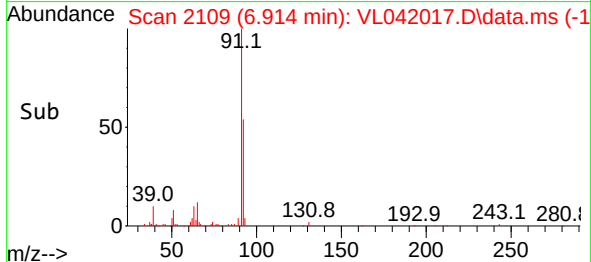
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001



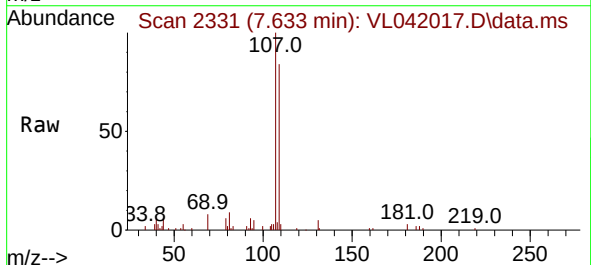
Tgt Ion: 91 Resp: 4285
Ion Ratio Lower Upper
91 100
92 59.0 47.5 71.3

Manual Integrations
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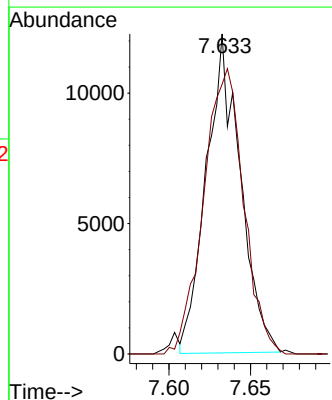
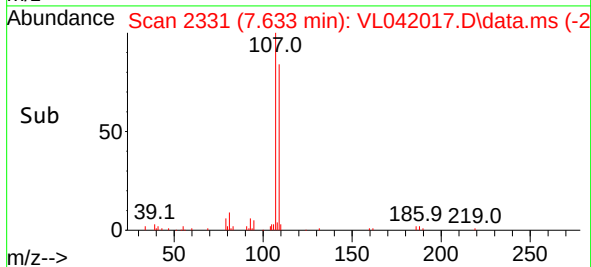
Reviewed By :Semsettin Yesilyurt 02/17/2025
Supervised By :Mahesh Dadoda 02/17/2025

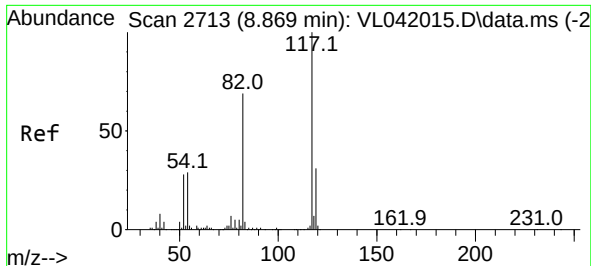


#54
1,2-Dibromoethane
Concen: 0.964 ppbv
RT: 7.633 min Scan# 2331
Delta R.T. -0.006 min
Lab File: VL042017.D
Acq: 14 Feb 2025 13:25



Tgt Ion:107 Resp: 17720
Ion Ratio Lower Upper
107 100
109 83.7 71.5 107.3





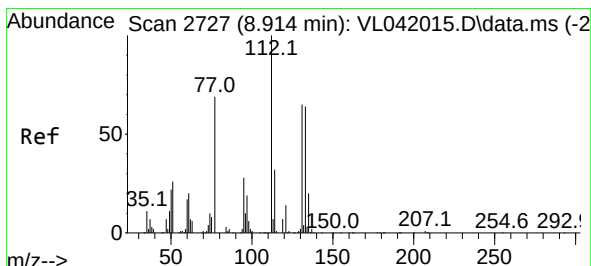
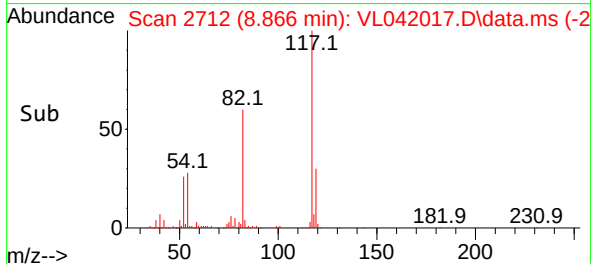
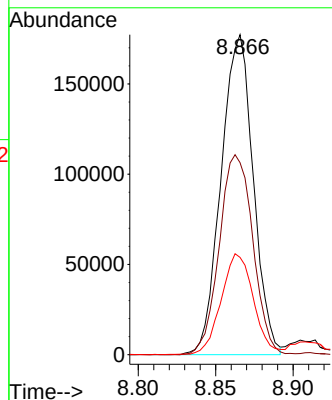
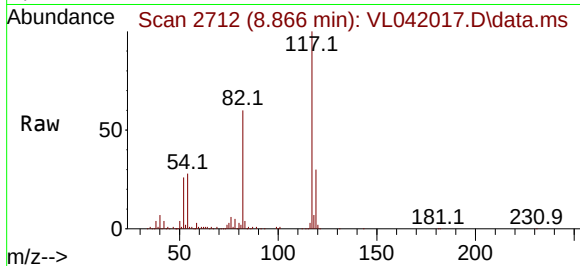
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.866 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL042017.D
Acq: 14 Feb 2025 13:25

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:117 Resp: 256509
Ion Ratio Lower Upper
117 100
82 65.7 55.7 83.5
119 32.2 25.2 37.8

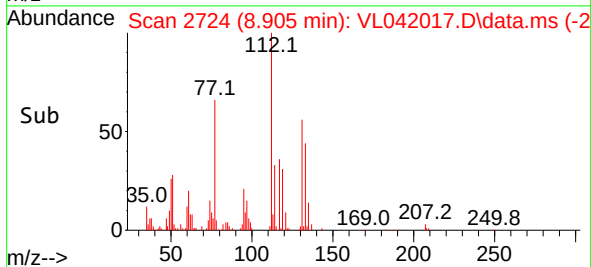
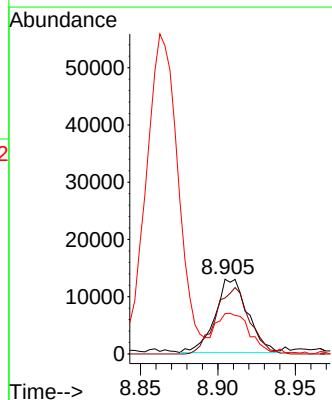
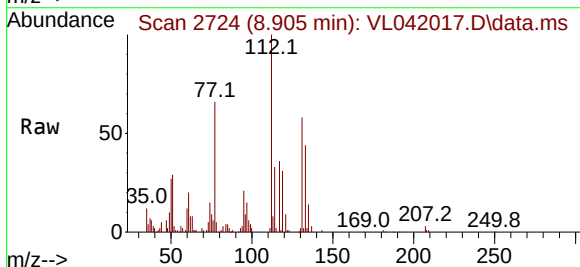
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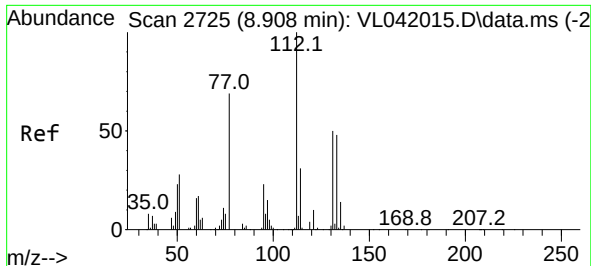
Reviewed By :Semsettin Yesilyurt 02/17/2025
Supervised By :Mahesh Dadoda 02/17/2025



#56
1,1,1,2-Tetrachloroethane
Concen: 1.032 ppbv
RT: 8.905 min Scan# 2724
Delta R.T. -0.010 min
Lab File: VL042017.D
Acq: 14 Feb 2025 13:25

Tgt Ion:131 Resp: 18900
Ion Ratio Lower Upper
131 100
133 93.2 77.8 116.8
119 52.1 49.1 73.7





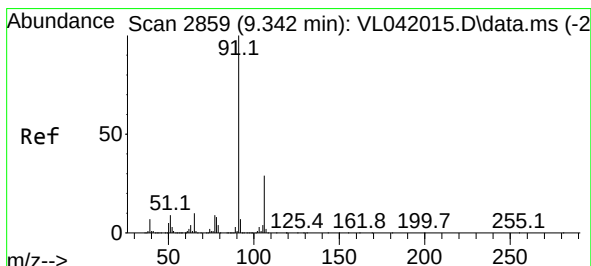
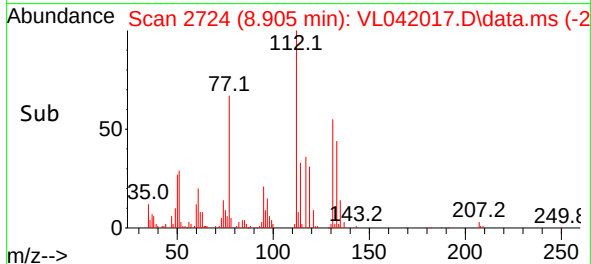
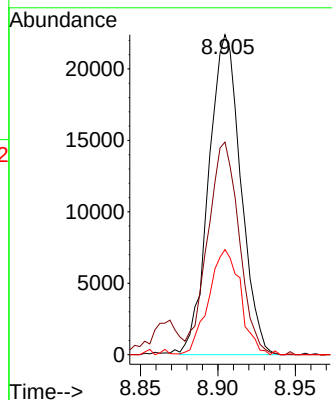
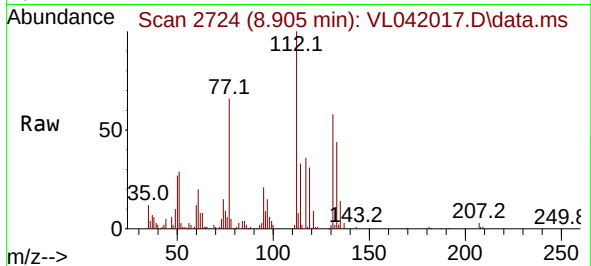
#57
Chlorobenzene
Concen: 1.066 ppbv
RT: 8.905 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL042017.D
Acq: 14 Feb 2025 13:25

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:112 Resp: 3215
Ion Ratio Lower Upper
112 100
77 66.4 56.2 84.2
114 32.9 28.2 34.4

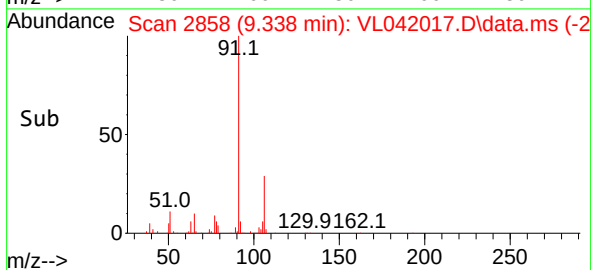
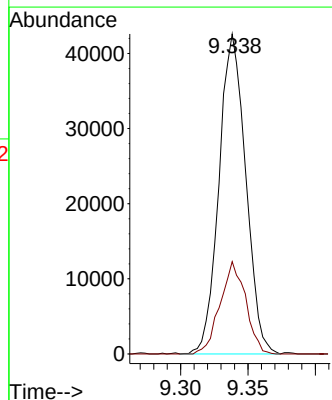
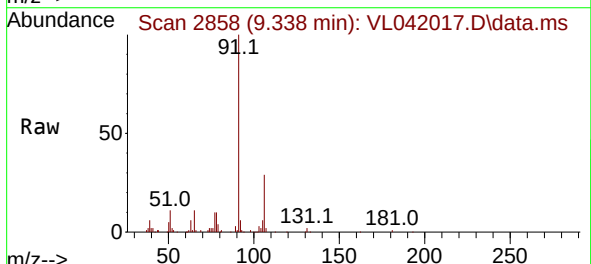
Manual Integrations
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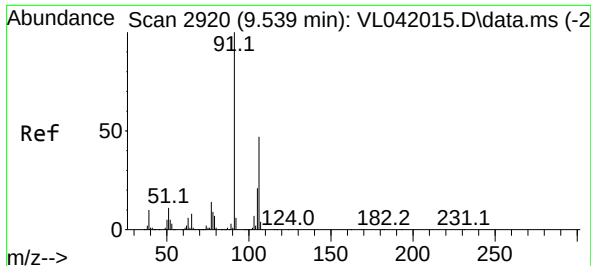
Reviewed By :Semsettin Yesilyurt 02/17/2025
Supervised By :Mahesh Dadoda 02/17/2025



#58
Ethyl Benzene
Concen: 1.046 ppbv
RT: 9.338 min Scan# 2858
Delta R.T. -0.003 min
Lab File: VL042017.D
Acq: 14 Feb 2025 13:25

Tgt Ion: 91 Resp: 58735
Ion Ratio Lower Upper
91 100
106 28.8 23.1 34.7





#59

m/p-Xylene

Concen: 2.079 ppbv m

RT: 9.532 min Scan# 2918

Delta R.T. -0.006 min

Lab File: VL042017.D

Acq: 14 Feb 2025 13:25

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC001

Tgt Ion: 91 Resp: 91998

Ion Ratio Lower Upper

91 100

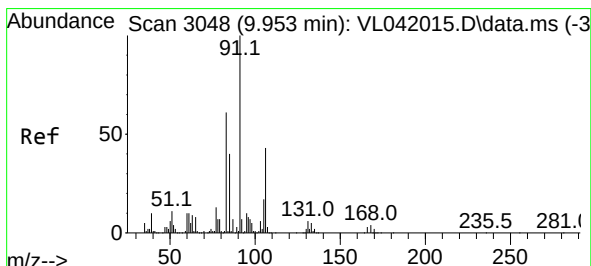
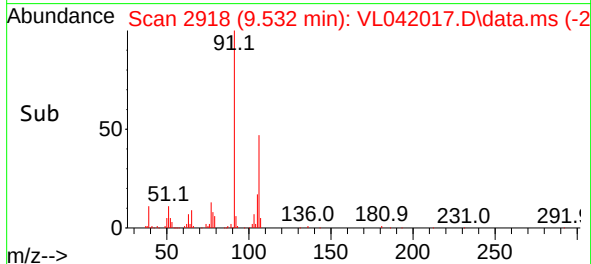
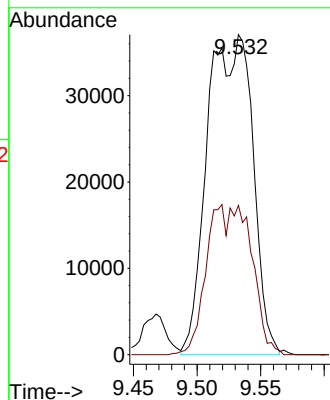
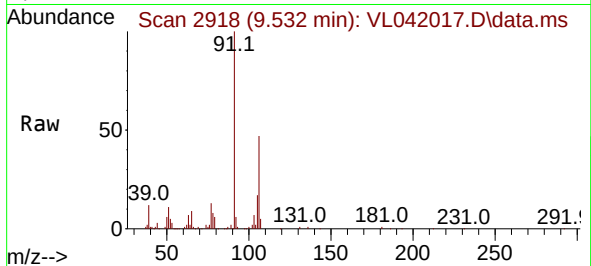
106 0.0 35.8 53.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/17/2025

Supervised By :Mahesh Dadoda 02/17/2025



#60

o-Xylene

Concen: 1.059 ppbv

RT: 9.947 min Scan# 3046

Delta R.T. -0.006 min

Lab File: VL042017.D

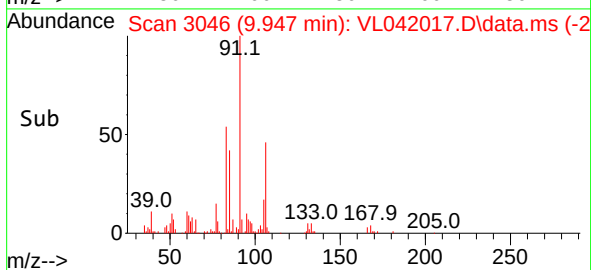
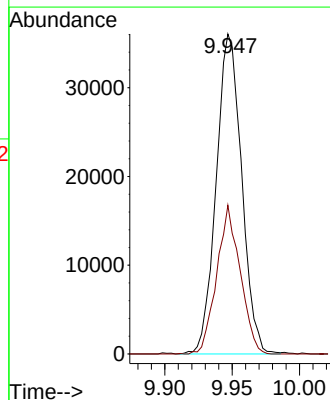
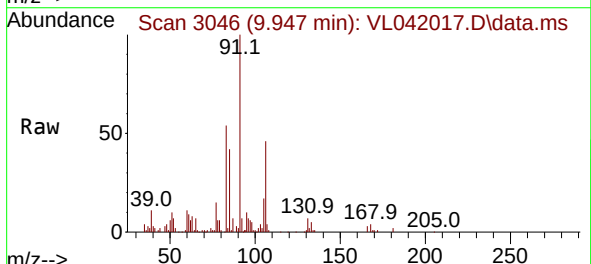
Acq: 14 Feb 2025 13:25

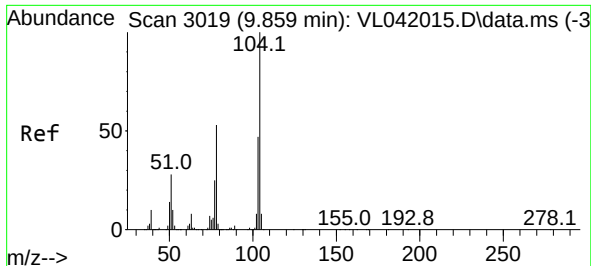
Tgt Ion: 91 Resp: 47347

Ion Ratio Lower Upper

91 100

106 42.8 21.4 64.3





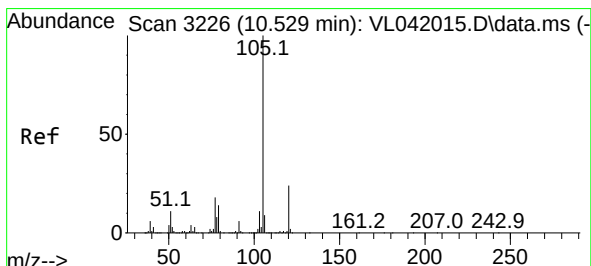
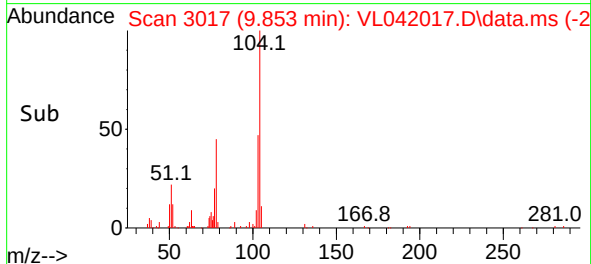
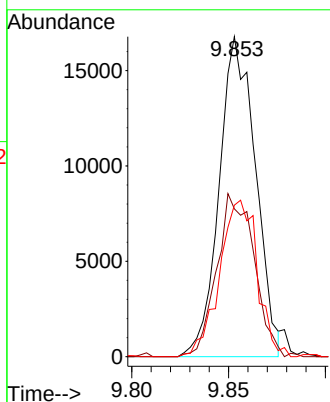
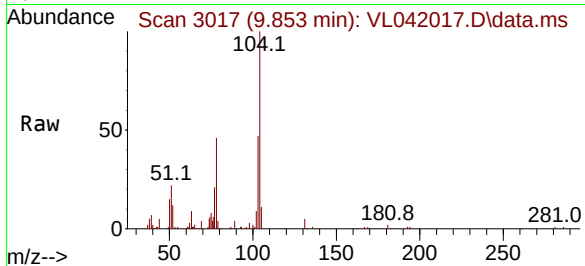
#61
Styrene
Concen: 1.026 ppbv
RT: 9.853 min Scan# 3019
Delta R.T. -0.006 min
Lab File: VL042017.D
Acq: 14 Feb 2025 13:25

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion:104 Resp: 21872
Ion Ratio Lower Upper
104 100
78 52.4 42.2 63.4
103 51.0 38.1 57.1

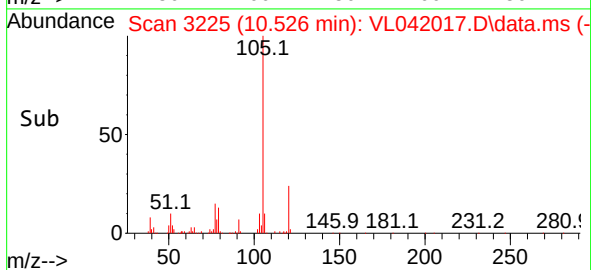
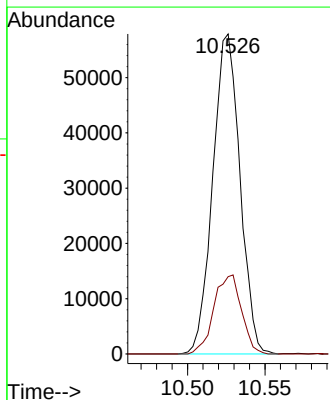
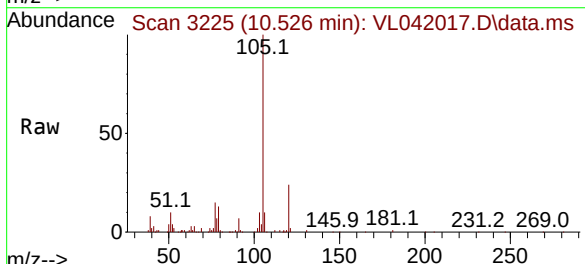
Manual Integrations
APPROVED

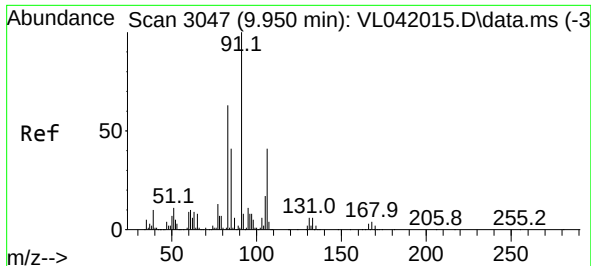
Reviewed By :Semsettin Yesilyurt 02/17/2025
Supervised By :Mahesh Dadoda 02/17/2025



#62
Isopropylbenzene
Concen: 1.053 ppbv
RT: 10.526 min Scan# 3225
Delta R.T. -0.003 min
Lab File: VL042017.D
Acq: 14 Feb 2025 13:25

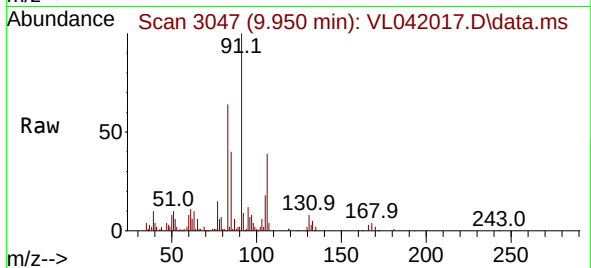
Tgt Ion:105 Resp: 70665
Ion Ratio Lower Upper
105 100
120 25.0 19.8 29.8





#63
1,1,2,2-Tetrachloroethane
Concen: 0.965 ppbv
RT: 9.950 min Scan# 3047
Delta R.T. -0.000 min
Lab File: VL042017.D
Acq: 14 Feb 2025 13:25

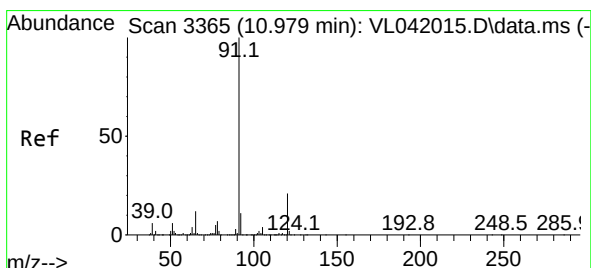
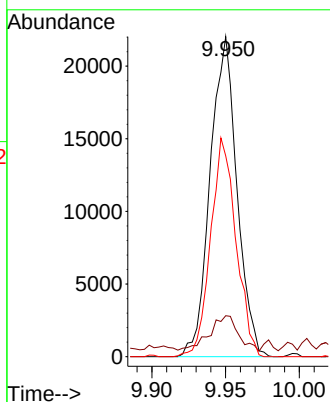
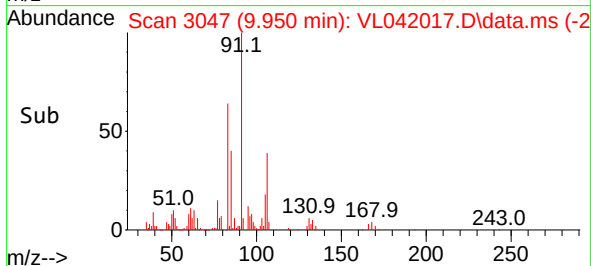
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



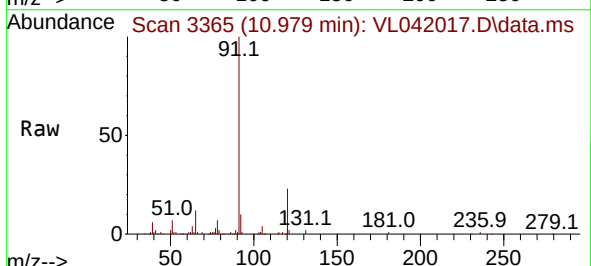
Tgt Ion: 83 Resp: 2785
Ion Ratio Lower Upper
83 100
131 13.4 5.0 15.0
85 64.9 32.1 96.3

Manual Integrations
APPROVED

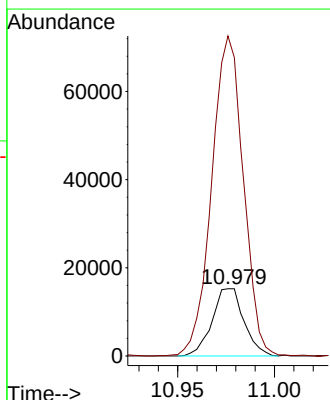
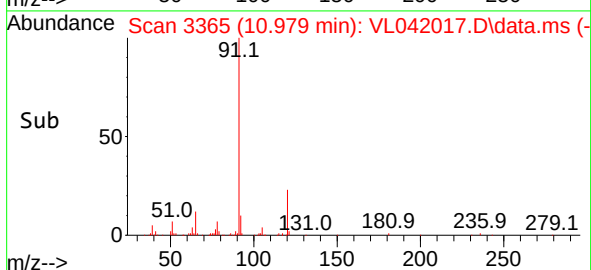
Reviewed By :Semsettin Yesilyurt 02/17/2025
Supervised By :Mahesh Dadoda 02/17/2025

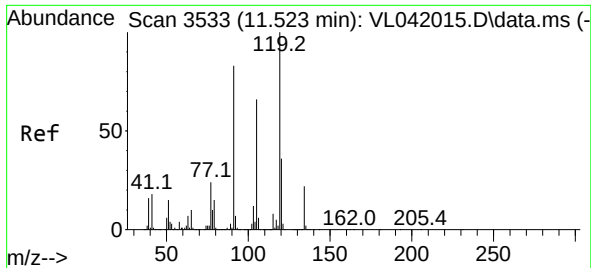


#64
n-propylbenzene
Concen: 1.059 ppbv
RT: 10.979 min Scan# 3365
Delta R.T. -0.000 min
Lab File: VL042017.D
Acq: 14 Feb 2025 13:25



Tgt Ion:120 Resp: 17468
Ion Ratio Lower Upper
120 100
91 470.9 392.2 588.2





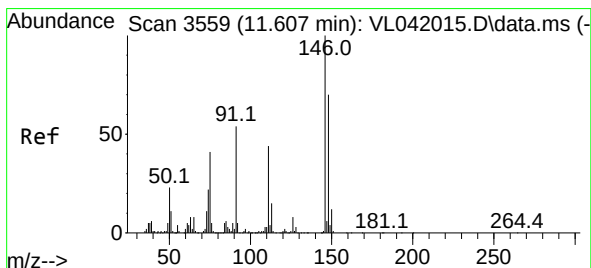
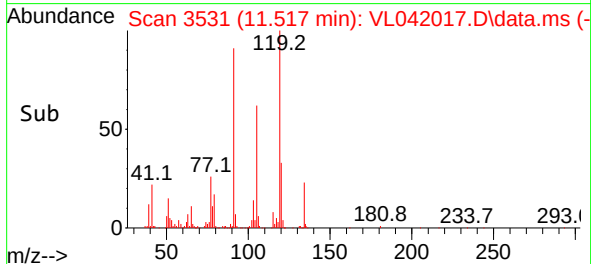
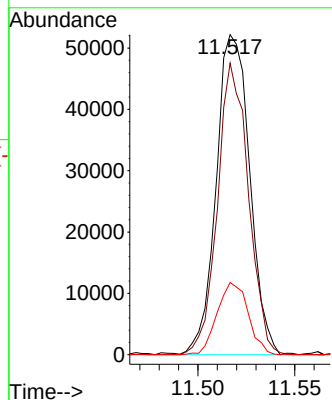
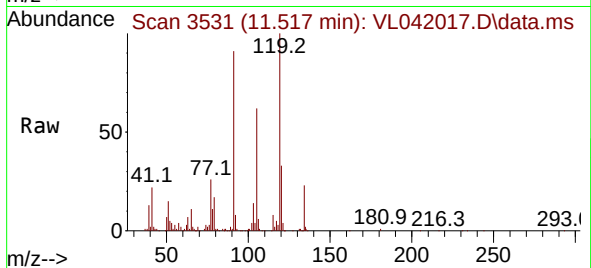
#65
tert-Butylbenzene
Concen: 1.074 ppbv
RT: 11.517 min Scan# 3531
Delta R.T. -0.006 min
Lab File: VL042017.D
Acq: 14 Feb 2025 13:25

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion: 119 Resp: 62840
Ion Ratio Lower Upper
119 100
91 83.8 66.5 99.7
134 20.9 16.6 24.8

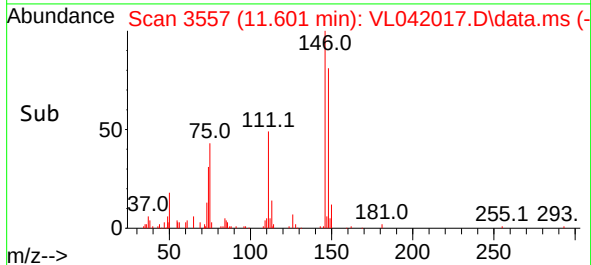
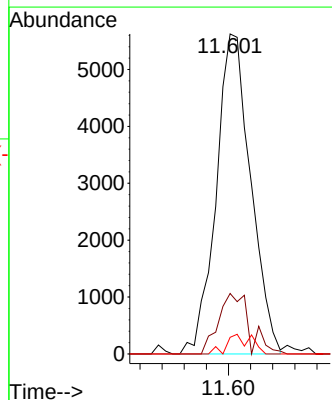
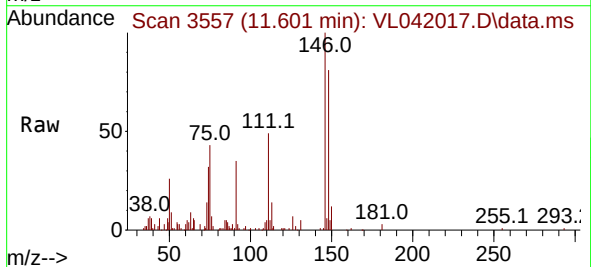
Manual Integrations
APPROVED

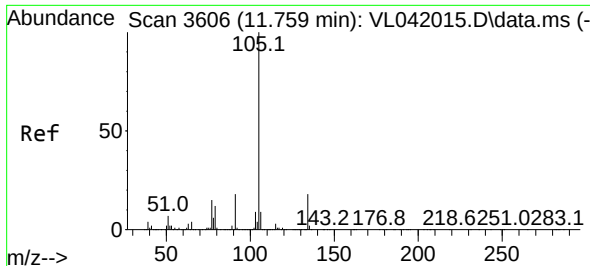
Reviewed By :Semsettin Yesilyurt 02/17/2025
Supervised By :Mahesh Dadoda 02/17/2025



#66
Benzyl Chloride
Concen: 1.035 ppbv
RT: 11.601 min Scan# 3557
Delta R.T. -0.007 min
Lab File: VL042017.D
Acq: 14 Feb 2025 13:25

Tgt Ion: 91 Resp: 6113
Ion Ratio Lower Upper
91 100
126 16.9 13.8 20.6
128 4.3 4.1 6.1





#67

sec-Butylbenzene

Concen: 1.081 ppbv

RT: 11.756 min Scan# 3605

Delta R.T. -0.003 min

Lab File: VL042017.D

Acq: 14 Feb 2025 13:25

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC001

Tgt Ion:105 Resp: 8888

Ion Ratio Lower Upper

105 100

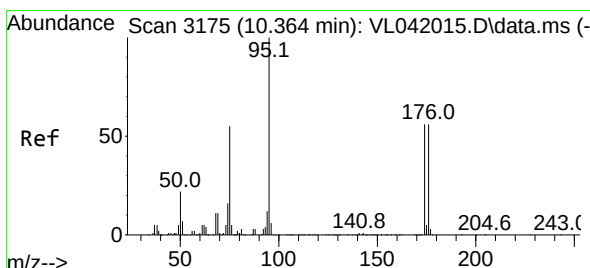
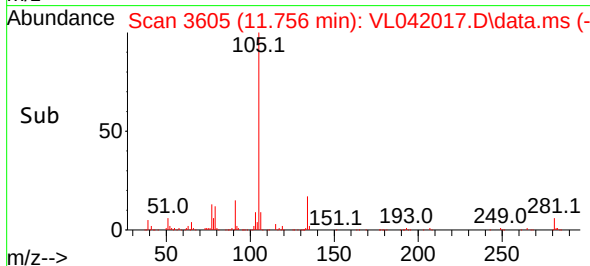
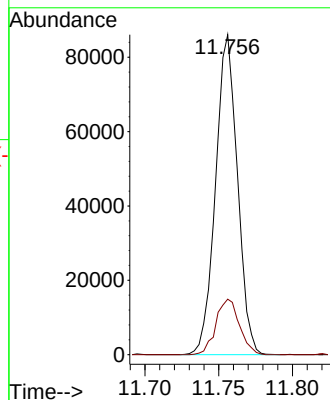
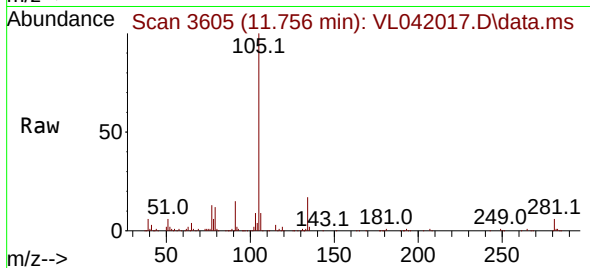
134 18.6 14.7 22.1

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 02/17/2025

Supervised By :Mahesh Dadoda 02/17/2025



#68

1-Bromo-4-Fluorobenzene

Concen: 10.121 ppbv

RT: 10.361 min Scan# 3174

Delta R.T. -0.003 min

Lab File: VL042017.D

Acq: 14 Feb 2025 13:25

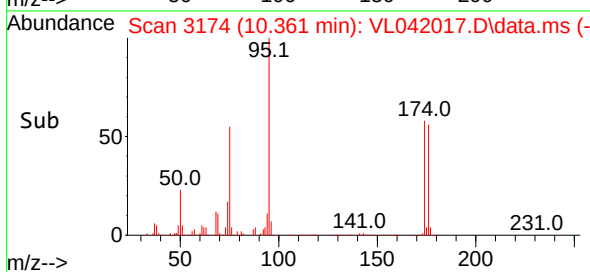
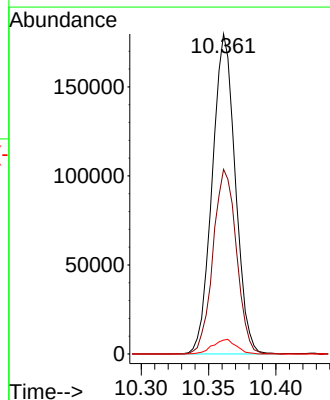
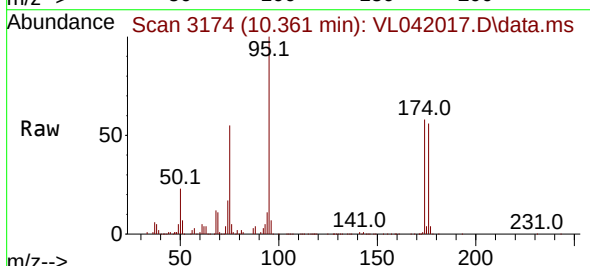
Tgt Ion: 95 Resp: 214136

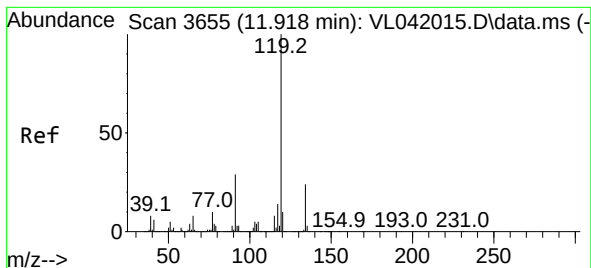
Ion Ratio Lower Upper

95 100

174 58.5 46.7 70.1

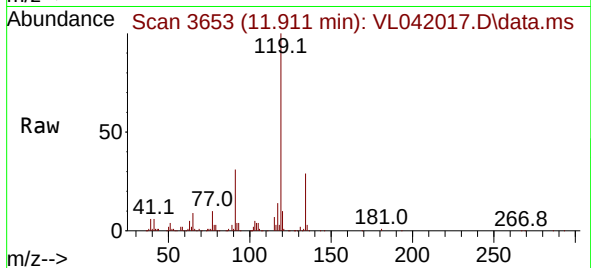
175 4.6 3.7 5.5





#69
p-Isopropyltoluene
Concen: 1.065 ppbv
RT: 11.911 min Scan# 3653
Delta R.T. -0.007 min
Lab File: VL042017.D
Acq: 14 Feb 2025 13:25

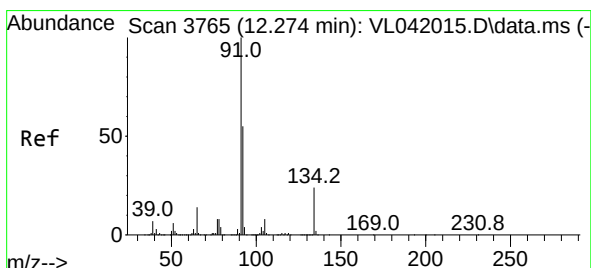
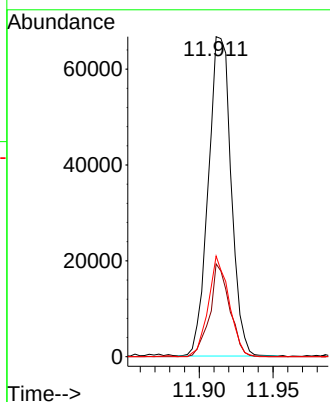
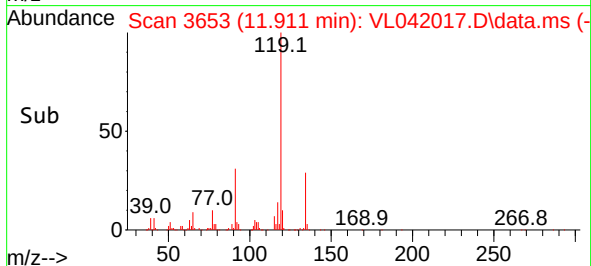
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



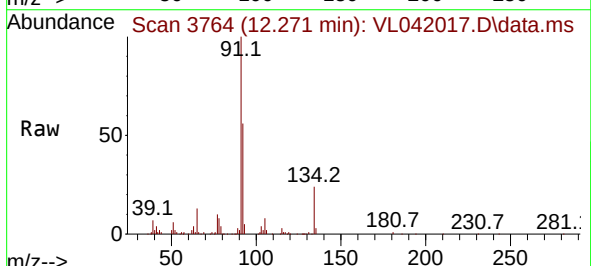
Tgt Ion: 119 Resp: 7169
Ion Ratio Lower Upper
119 100
134 25.3 19.4 29.0
91 28.8 23.4 35.2

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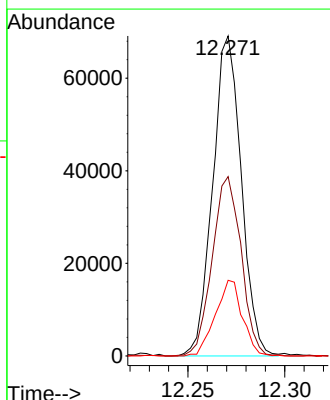
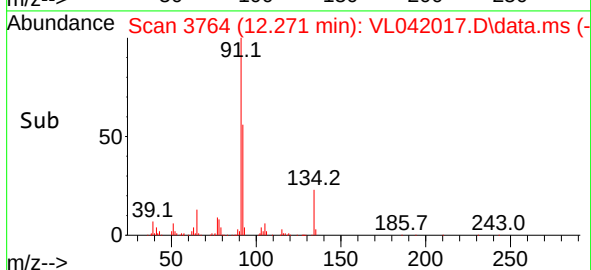
Reviewed By :Semsettin Yesilyurt 02/17/2025
Supervised By :Mahesh Dadoda 02/17/2025

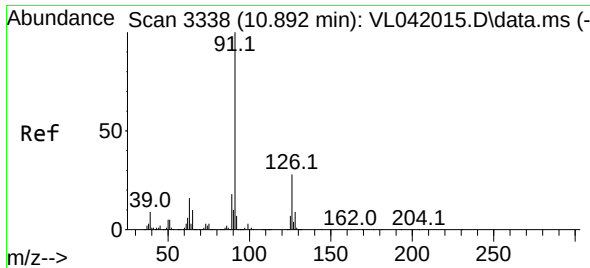


#70
n-Butylbenzene
Concen: 1.070 ppbv
RT: 12.271 min Scan# 3764
Delta R.T. -0.003 min
Lab File: VL042017.D
Acq: 14 Feb 2025 13:25



Tgt Ion: 91 Resp: 70916
Ion Ratio Lower Upper
91 100
92 57.0 43.8 65.8
134 22.4 18.6 27.8





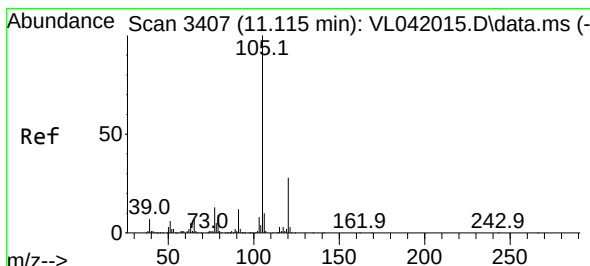
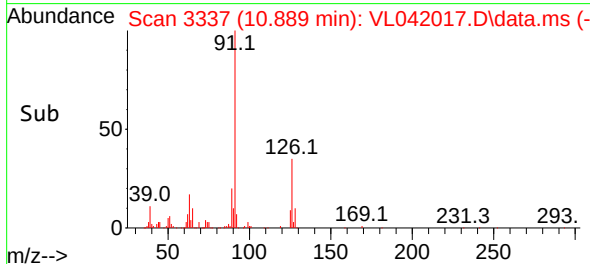
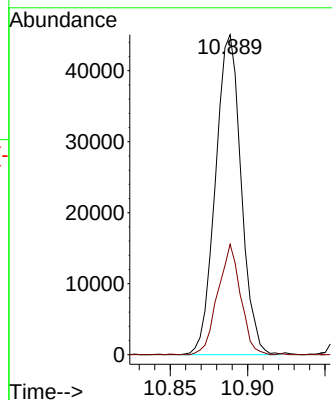
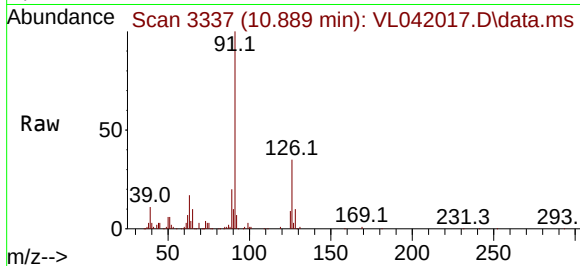
#71
2-Chlorotoluene
Concen: 1.028 ppbv
RT: 10.889 min Scan# 311
Delta R.T. -0.003 min
Lab File: VL042017.D
Acq: 14 Feb 2025 13:25

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion: 91 Resp: 51962
Ion Ratio Lower Upper
91 100
126 30.6 11.2 45.0

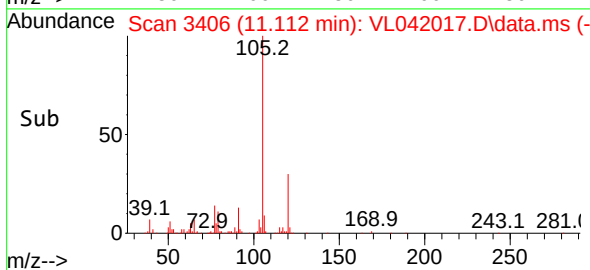
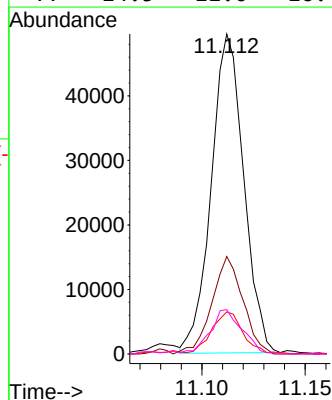
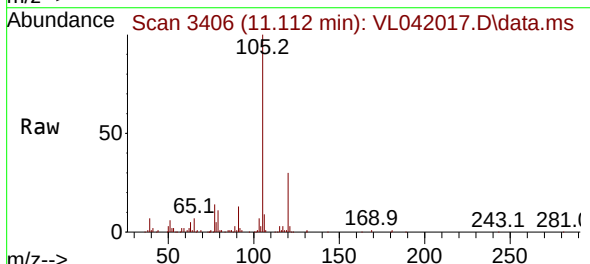
Manual Integrations
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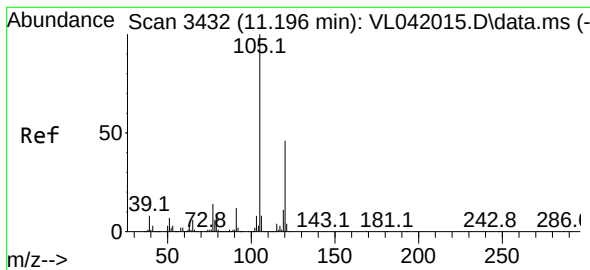
Reviewed By :Semsettin Yesilyurt 02/17/2025
Supervised By :Mahesh Dadoda 02/17/2025



#72
4-Ethyltoluene
Concen: 1.031 ppbv
RT: 11.112 min Scan# 3406
Delta R.T. -0.003 min
Lab File: VL042017.D
Acq: 14 Feb 2025 13:25

Tgt Ion:105 Resp: 54079
Ion Ratio Lower Upper
105 100
120 29.8 22.7 34.1
91 13.7 10.2 15.2
77 14.5 11.0 16.4





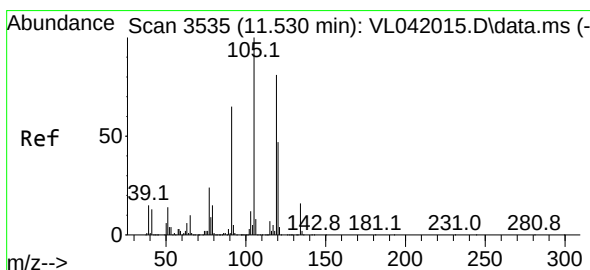
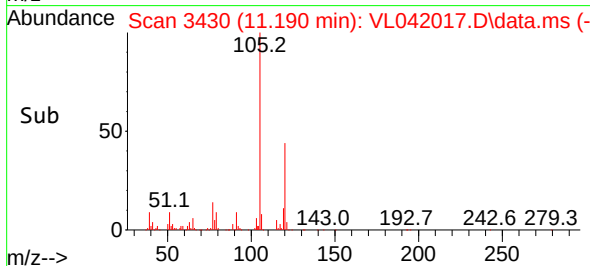
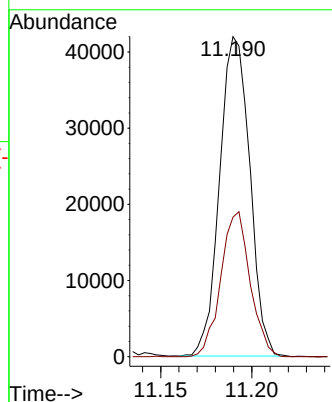
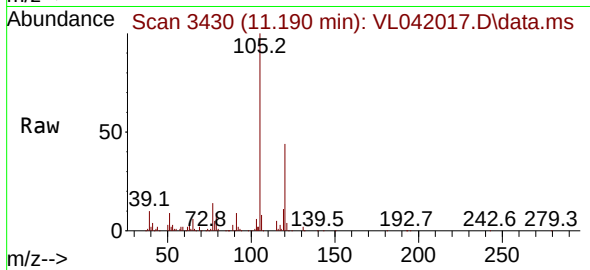
#73
 1,3,5-Trimethylbenzene
 Concen: 1.069 ppbv
 RT: 11.190 min Scan# 3432
 Delta R.T. -0.006 min
 Lab File: VL042017.D
 Acq: 14 Feb 2025 13:25

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tgt Ion:105 Resp: 48308
 Ion Ratio Lower Upper
 105 100
 120 43.7 37.1 55.7

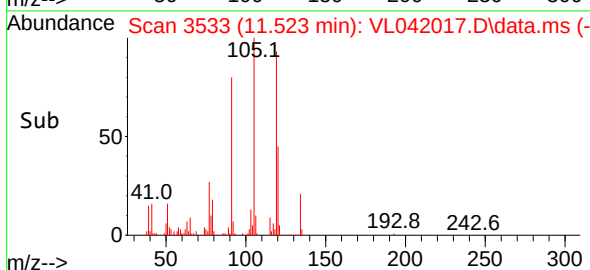
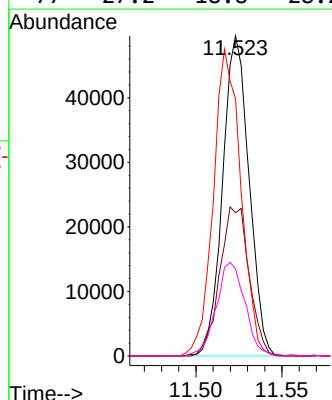
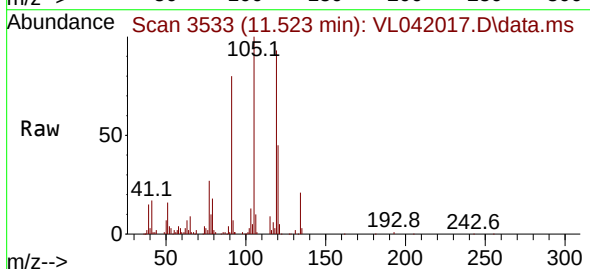
Manual Integrations
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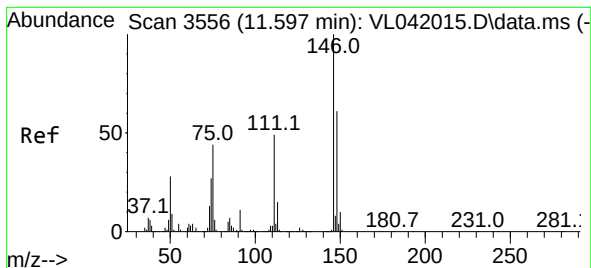
Reviewed By :Semsettin Yesilyurt 02/17/2025
 Supervised By :Mahesh Dadoda 02/17/2025



#74
 1,2,4-Trimethylbenzene
 Concen: 1.091 ppbv
 RT: 11.523 min Scan# 3533
 Delta R.T. -0.006 min
 Lab File: VL042017.D
 Acq: 14 Feb 2025 13:25

Tgt Ion:105 Resp: 52921
 Ion Ratio Lower Upper
 105 100
 120 44.8 37.5 56.3
 91 80.3 51.7 77.5#
 77 27.2 18.8 28.2





#75

1,3-Dichlorobenzene

Concen: 1.086 ppbv

RT: 11.594 min Scan# 3556

Delta R.T. -0.003 min

Lab File: VL042017.D

Acq: 14 Feb 2025 13:25

Instrument :

MSVOA_L

ClientSampleId :

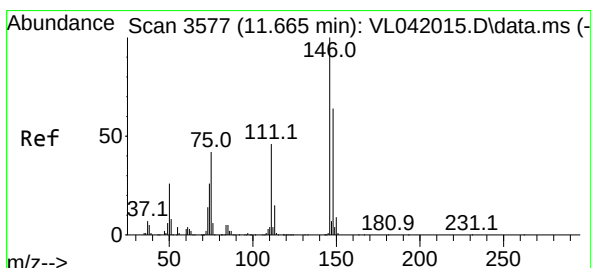
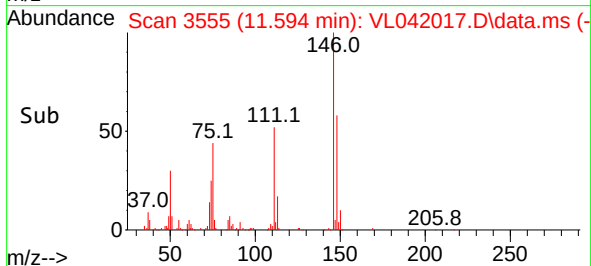
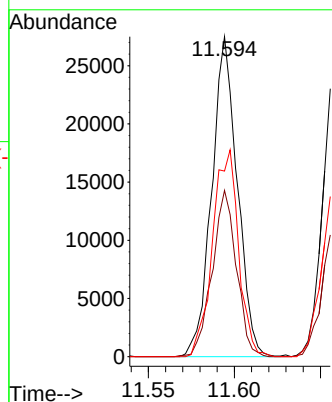
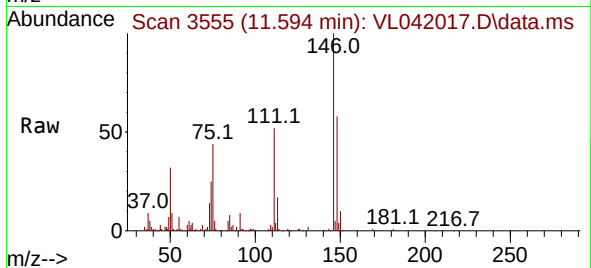
VSTDICC001

Tgt Ion:	146	Resp:	2836
Ion Ratio	Lower	Upper	
146	100		
111	49.4	23.9	71.7
148	65.6	31.5	94.5

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 02/17/2025
Supervised By :Mahesh Dadoda 02/17/2025



#76

1,4-Dichlorobenzene

Concen: 1.052 ppbv

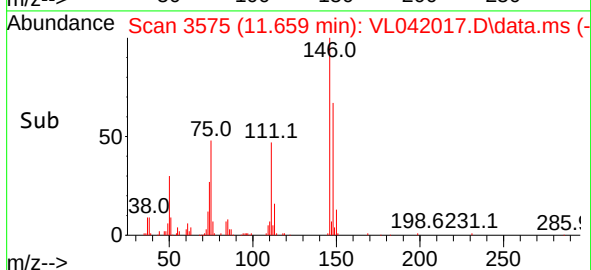
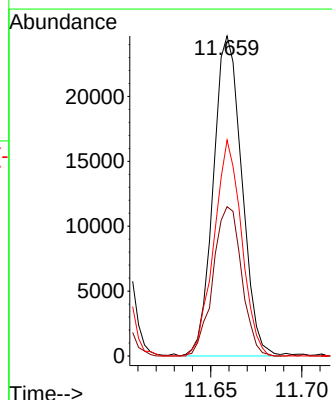
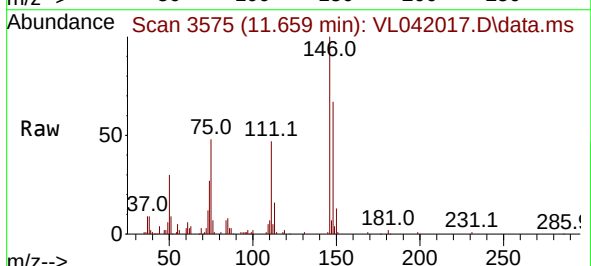
RT: 11.659 min Scan# 3575

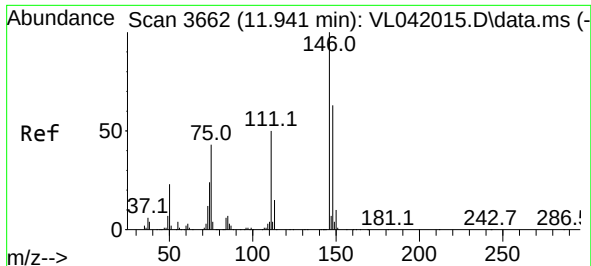
Delta R.T. -0.006 min

Lab File: VL042017.D

Acq: 14 Feb 2025 13:25

Tgt Ion:	146	Resp:	26798
Ion Ratio	Lower	Upper	
146	100		
111	47.0	23.5	70.5
148	65.3	32.3	96.9





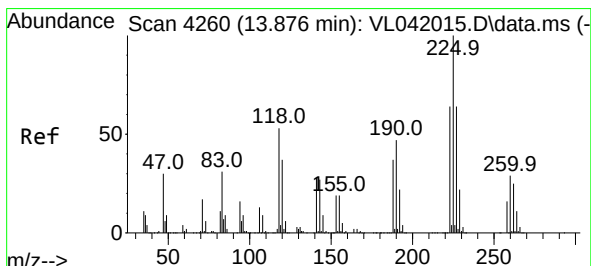
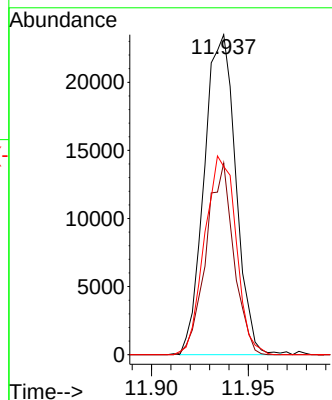
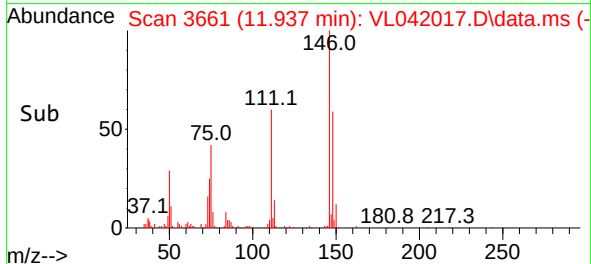
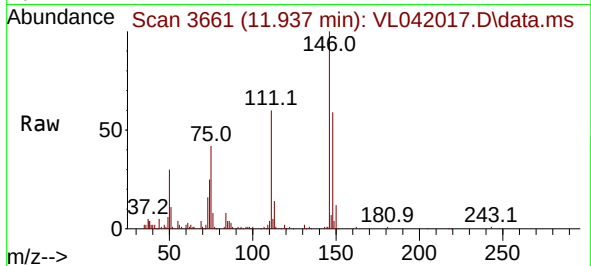
#77
1,2-Dichlorobenzene
Concen: 1.065 ppbv
RT: 11.937 min Scan# 30
Delta R.T. -0.003 min
Lab File: VL042017.D
Acq: 14 Feb 2025 13:25

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion:146 Resp: 2658
Ion Ratio Lower Upper
146 100
111 52.4 25.6 76.8
148 62.0 31.9 95.7

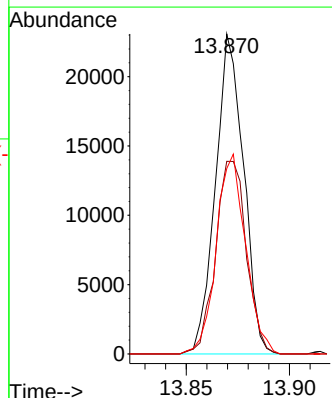
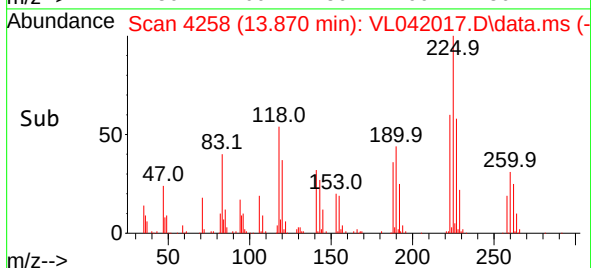
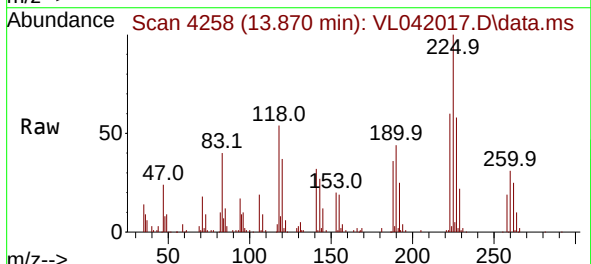
Manual Integrations
APPROVED

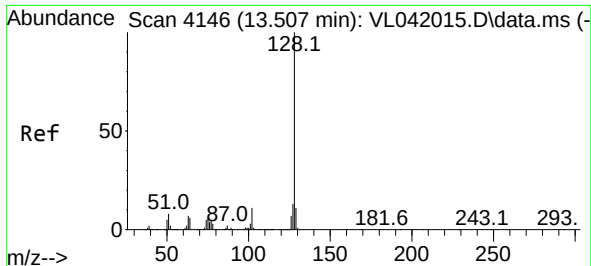
Reviewed By :Semsettin Yesilyurt 02/17/2025
Supervised By :Mahesh Dadoda 02/17/2025



#78
Hexachloro-1,3-Butadiene
Concen: 1.058 ppbv
RT: 13.870 min Scan# 4258
Delta R.T. -0.007 min
Lab File: VL042017.D
Acq: 14 Feb 2025 13:25

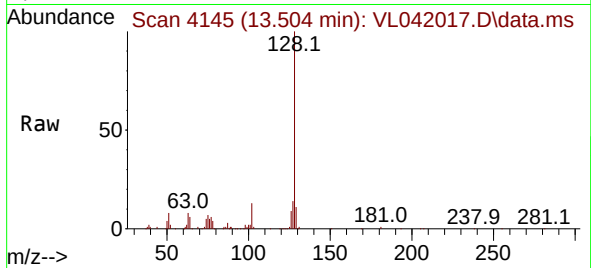
Tgt Ion:225 Resp: 21844
Ion Ratio Lower Upper
225 100
223 65.9 50.6 75.8
227 65.2 50.9 76.3





#79
Naphthalene
Concen: 1.185 ppbv
RT: 13.504 min Scan# 4145
Delta R.T. -0.003 min
Lab File: VL042017.D
Acq: 14 Feb 2025 13:25

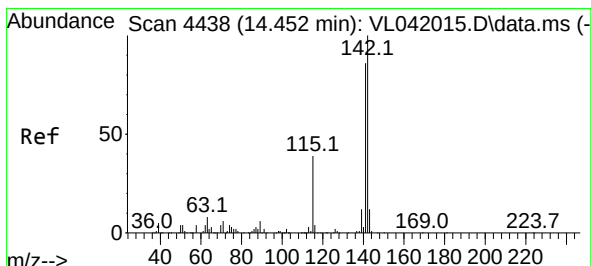
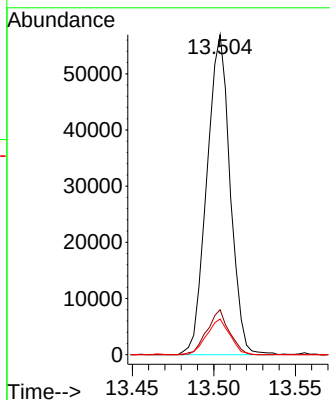
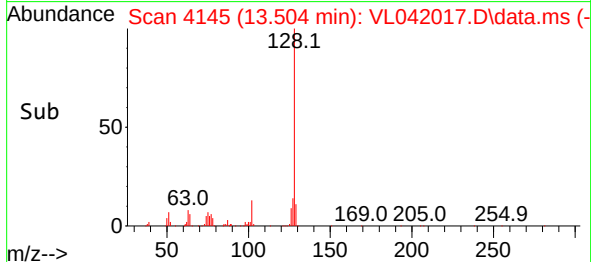
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001



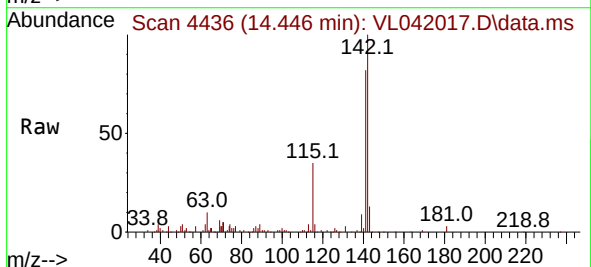
Tgt Ion:128 Resp: 56540
Ion Ratio Lower Upper
128 100
127 14.0 10.2 15.2
129 11.1 8.6 13.0

Manual Integrations
APPROVED

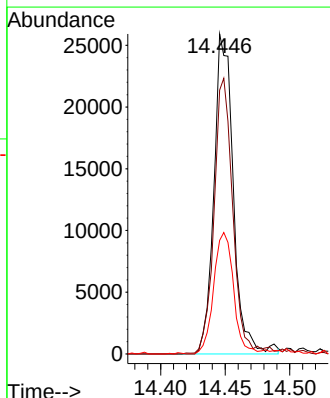
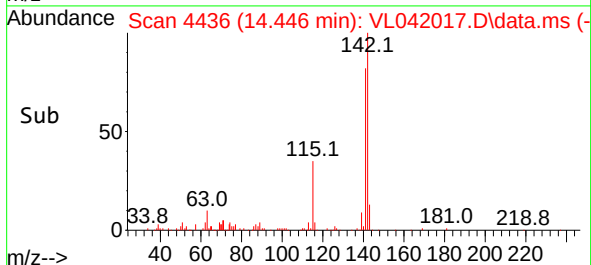
Reviewed By :Semsettin Yesilyurt 02/17/2025
Supervised By :Mahesh Dadoda 02/17/2025

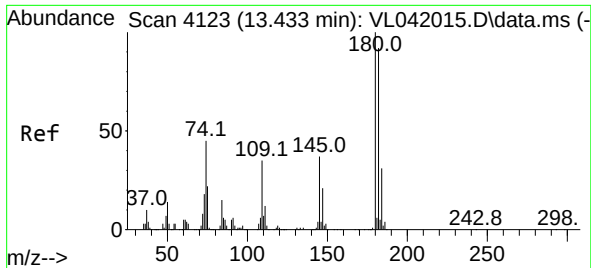


#80
Naphthalene,2-methyl-
Concen: 1.245 ppbv
RT: 14.446 min Scan# 4436
Delta R.T. -0.006 min
Lab File: VL042017.D
Acq: 14 Feb 2025 13:25



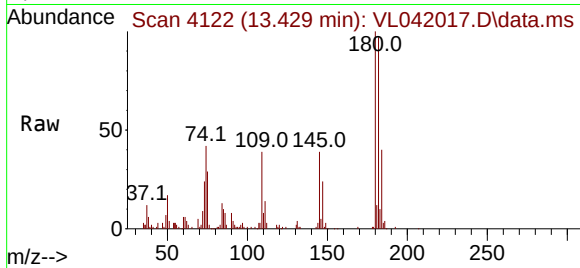
Tgt Ion:142 Resp: 26997
Ion Ratio Lower Upper
142 100
141 85.5 68.2 102.2
115 41.3 33.6 50.4





#81
 1,2,4-Trichlorobenzene
 Concen: 1.131 ppbv
 RT: 13.429 min Scan# 41
 Delta R.T. -0.003 min
 Lab File: VL042017.D
 Acq: 14 Feb 2025 13:25

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001



Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.6	75.8	113.6
184	33.2	24.2	36.4

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 02/17/2025
 Supervised By :Mahesh Dadoda 02/17/2025

