

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL021425\
 Data File : VL042016.D
 Acq On : 14 Feb 2025 12:54
 Operator : SY/MD
 Sample : VSTDICC002
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC002

Quant Time: Feb 15 01:19:20 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

Manual Integrations APPROVED

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

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

Internal Standards						
1) Bromochloromethane	2.777	49	95882	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.939	114	291851	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.865	117	265939	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.364	95	216186	9.855	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.600%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.492	85	33163	2.009	ppbv	99
3) Chlorodifluoromethane	1.470	51	35815	1.961	ppbv	97
4) Chloromethane	1.528	50	13109	2.044	ppbv #	87
5) Vinyl Chloride	1.573	62	12999	1.695	ppbv	93
6) Bromomethane	1.660	94	5638	1.896	ppbv	89
7) Chloroethane	1.699	64	4833	1.933	ppbv	96
8) Dichlorotetrafluoroethane	1.547	85	28149	1.939	ppbv	99
9) Propene	1.479	41	15336	1.943	ppbv	92
10) Heptane	4.952	43	43303m	1.992	ppbv	
11) Trichlorofluoromethane	1.871	101	33699	2.029	ppbv	97
12) 1,1,2-Trichlorotrifluo...	2.130	101	26675	2.059	ppbv	94
13) Ethanol	1.716	45	1776	1.859	ppbv	84
14) Bromoethene	1.774	108	9853	2.037	ppbv #	97
15) Acetone	1.829	43	31902	2.016	ppbv	97
16) 1,3-Butadiene	1.602	39	14472	1.928	ppbv	99
17) tert-Butyl alcohol	2.033	59	38403	1.961	ppbv	98
18) 1,1-Dichloroethene	2.026	96	12701	2.016	ppbv	90
19) Isopropyl Alcohol	1.881	45	17573m	1.969	ppbv	
20) Methylene Chloride	2.052	84	11236	1.886	ppbv	96
21) Allyl Chloride	2.088	41	23447	2.059	ppbv	94
22) trans-1,2-Dichloroethene	2.330	96	13948	2.076	ppbv	98
23) Vinyl Acetate	2.450	43	16940	1.977	ppbv #	93
24) 1,1-Dichloroethane	2.398	63	26419	1.937	ppbv	99
25) Ethyl Acetate	2.826	43	87471	2.014	ppbv	98
26) Hexane	2.813	57	34825	1.998	ppbv	98
27) Carbon Disulfide	2.143	76	33514	2.044	ppbv #	55
28) Methyl tert-Butyl Ether	2.431	73	20473	1.921	ppbv #	87
29) Chloroform	2.839	83	50609	2.005	ppbv	91
30) Cyclohexane	3.839	84	30917	2.025	ppbv	98
31) cis-1,2-Dichloroethene	2.709	61	34025	1.975	ppbv	92
32) 1,1,1-Trichloroethane	3.353	97	53097	1.896	ppbv	98
34) 2-Butanone	2.547	43	50795	2.023	ppbv	96
35) Carbon Tetrachloride	3.748	117	51796	1.864	ppbv	98
36) Benzene	3.641	78	71850	2.032	ppbv	95
37) 1,2-Dichloroethane	3.204	62	39494	1.962	ppbv	97
38) Trichloroethene	4.531	130	28764m	1.981	ppbv	
39) 1,2-Dichloropropane	4.292	63	23932	1.825	ppbv	98
40) 1,4-Dioxane	4.573	88	13016m	1.941	ppbv	
41) Tetrahydrofuran	3.046	42	28154	1.922	ppbv	98
42) Bromodichloromethane	4.473	83	54355m	1.993	ppbv	
43) Methyl Methacrylate	4.862	69	29831	1.877	ppbv	97
44) 2,2,4-Trimethylpentane	4.619	57	119979	1.999	ppbv	98
45) t-1,3-Dichloropropene	6.396	75	30442	1.998	ppbv	90

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 ClientSampleId :
 VSTDICC002

Manual Integrations
 APPROVED

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

Quant Time: Feb 15 01:19:20 2025

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

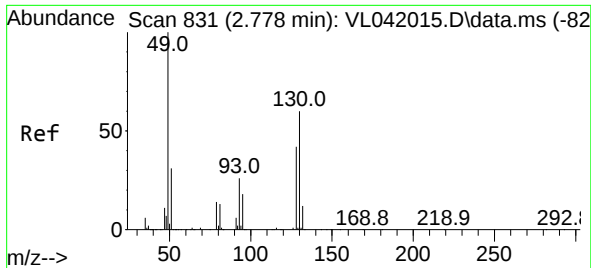
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

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

Response via : Initial Calibration

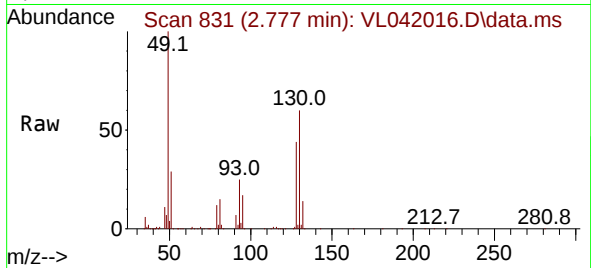
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.574	75	39932m	2.069	ppbv	
47) 1,1,2-Trichloroethane	6.561	97	27415m	2.010	ppbv	
48) Dibromochloromethane	7.367	129	45191	1.994	ppbv	99
49) Bromoform	9.464	173	37852	2.020	ppbv	99
50) 4-Methyl-2-Pentanone	5.739	43	80149m	2.054	ppbv	
51) 2-Hexanone	7.422	43	65982	2.063	ppbv #	99
52) Tetrachloroethene	8.208	164	23428	1.898	ppbv #	89
53) Toluene	6.907	91	84140	2.011	ppbv	98
54) 1,2-Dibromoethane	7.639	107	37468	1.969	ppbv	99
56) 1,1,1,2-Tetrachloroethane	8.907	131	36347	1.915	ppbv	96
57) Chlorobenzene	8.904	112	63525	2.031	ppbv	98
58) Ethyl Benzene	9.338	91	117160	2.013	ppbv	99
59) m/p-Xylene	9.535	91	186504m	4.065	ppbv	
60) o-Xylene	9.946	91	95782	2.066	ppbv	99
61) Styrene	9.852	104	44870	2.029	ppbv	98
62) Isopropylbenzene	10.526	105	145953	2.097	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.950	83	56061	1.874	ppbv	98
64) n-propylbenzene	10.979	120	34873	2.039	ppbv	97
65) tert-Butylbenzene	11.519	119	127460	2.100	ppbv	98
66) Benzyl Chloride	11.600	91	12799	2.091	ppbv	99
67) sec-Butylbenzene	11.756	105	177152	2.078	ppbv	99
69) p-Isopropyltoluene	11.914	119	146974	2.106	ppbv	99
70) n-Butylbenzene	12.270	91	145476	2.117	ppbv	100
71) 2-Chlorotoluene	10.888	91	107212	2.045	ppbv	100
72) 4-Ethyltoluene	11.111	105	115331	2.120	ppbv	99
73) 1,3,5-Trimethylbenzene	11.192	105	94699	2.021	ppbv	97
74) 1,2,4-Trimethylbenzene	11.523	105	106415	2.116	ppbv #	87
75) 1,3-Dichlorobenzene	11.594	146	56520	2.088	ppbv	98
76) 1,4-Dichlorobenzene	11.662	146	55589	2.106	ppbv	98
77) 1,2-Dichlorobenzene	11.934	146	53985	2.086	ppbv	99
78) Hexachloro-1,3-Butadiene	13.872	225	47301	2.209	ppbv	97
79) Naphthalene	13.503	128	120541	2.437	ppbv	96
80) Naphthalene,2-methyl-	14.448	142	66327	2.950	ppbv	99
81) 1,2,4-Trichlorobenzene	13.429	180	46544	2.315	ppbv	96

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



#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.777 min Scan# 81
Delta R.T. -0.001 min
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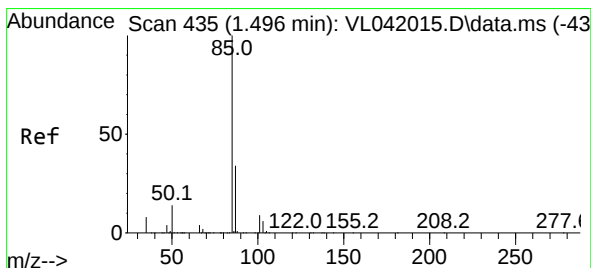
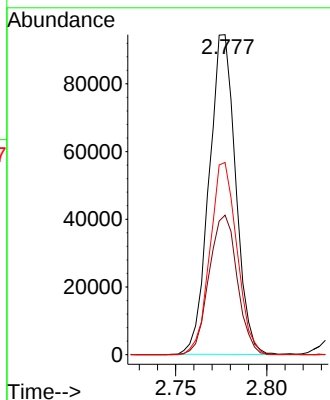
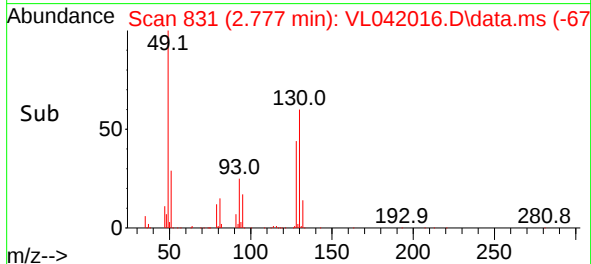
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002



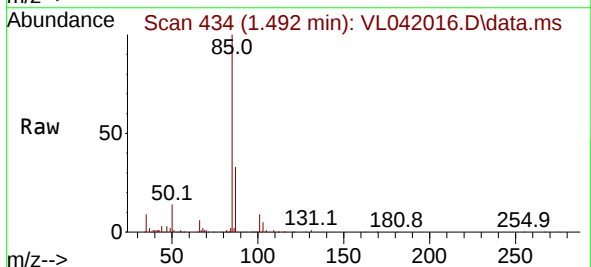
Tgt Ion: 49 Resp: 9588
Ion Ratio Lower Upper
49 100
128 46.2 22.7 68.0
130 60.9 29.9 89.8

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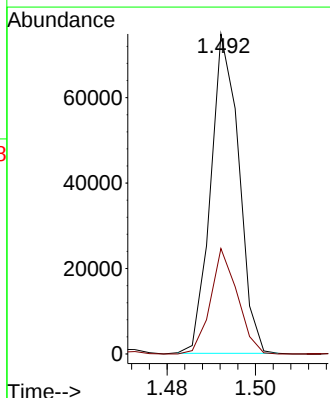
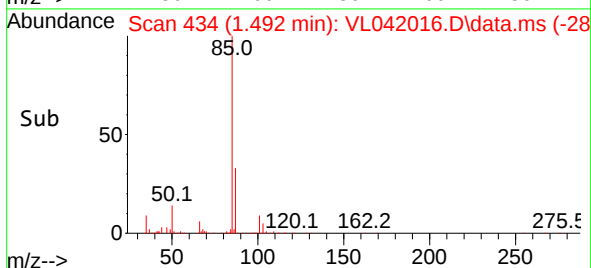
Reviewed By :Semsettin Yesilyurt 02/17/2025
Supervised By :Mahesh Dadoda 02/17/2025

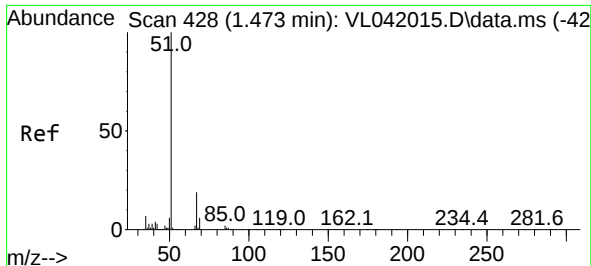


#2
Dichlorodifluoromethane
Concen: 2.009 ppbv
RT: 1.492 min Scan# 434
Delta R.T. -0.004 min
Lab File: VL042016.D
Acq: 14 Feb 2025 12:54



Tgt Ion: 85 Resp: 33163
Ion Ratio Lower Upper
85 100
87 33.0 26.9 40.3





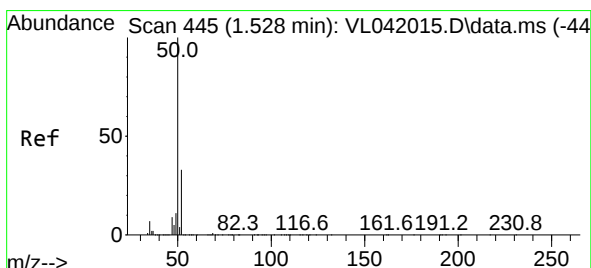
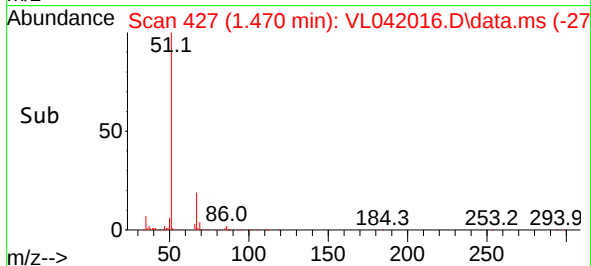
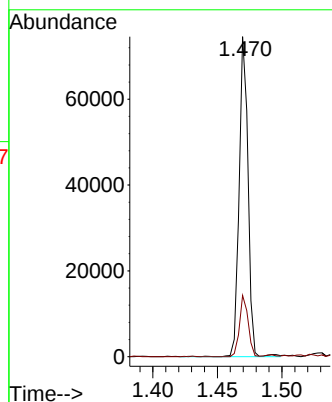
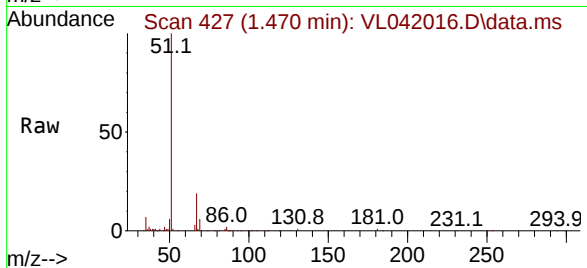
#3
Chlorodifluoromethane
Concen: 1.961 ppbv
RT: 1.470 min Scan# 428
Delta R.T. -0.004 min
Lab File: VL042016.D
Acq: 14 Feb 2025 12:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 51 Resp: 35815
Ion Ratio Lower Upper
51 100
67 20.2 15.0 22.6

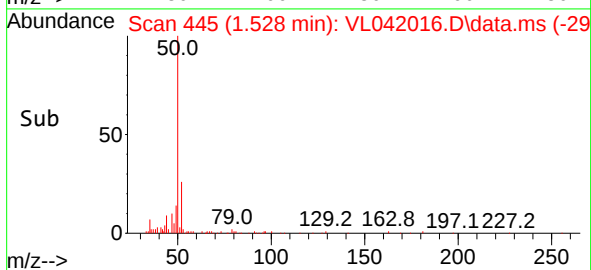
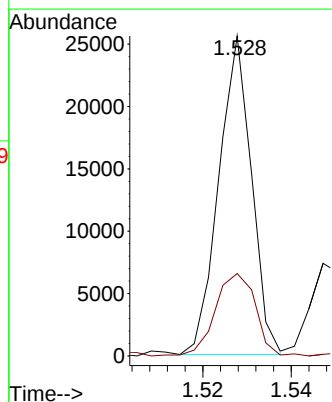
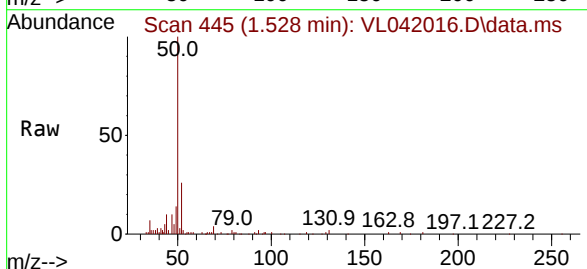
Manual Integrations
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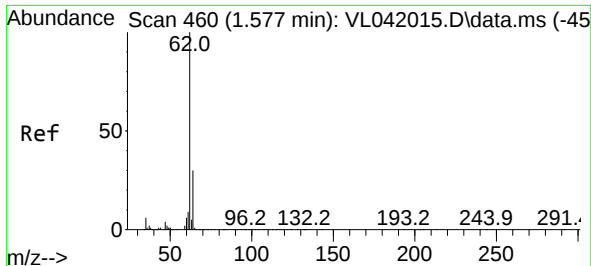
Reviewed By :Semsettin Yesilyurt 02/17/2025
Supervised By :Mahesh Dadoda 02/17/2025



#4
Chloromethane
Concen: 2.044 ppbv
RT: 1.528 min Scan# 445
Delta R.T. -0.001 min
Lab File: VL042016.D
Acq: 14 Feb 2025 12:54

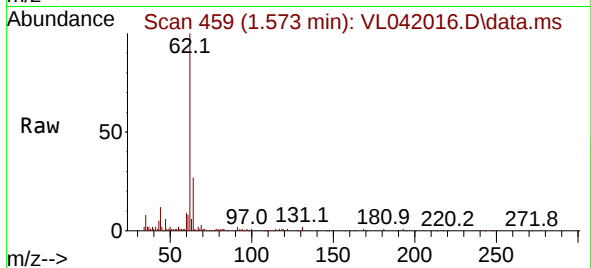
Tgt Ion: 50 Resp: 13109
Ion Ratio Lower Upper
50 100
52 25.6 26.2 39.2#





#5
 Vinyl Chloride
 Concen: 1.695 ppbv
 RT: 1.573 min Scan# 41
 Delta R.T. -0.004 min
 Lab File: VL042016.D
 Acq: 14 Feb 2025 12:54

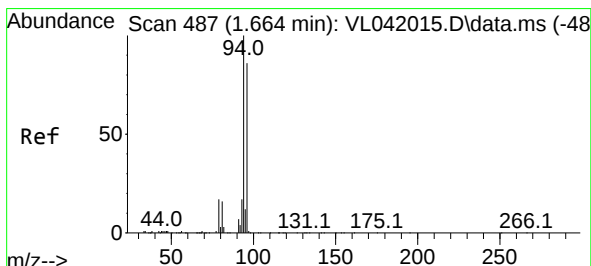
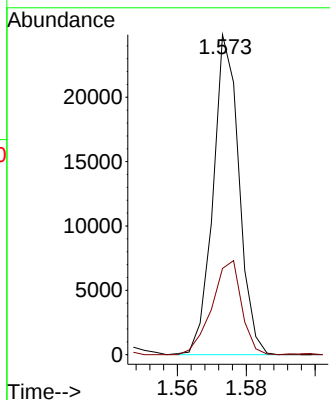
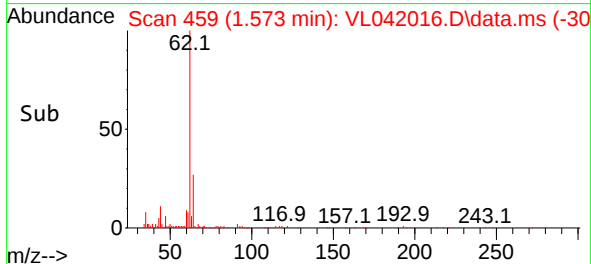
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002



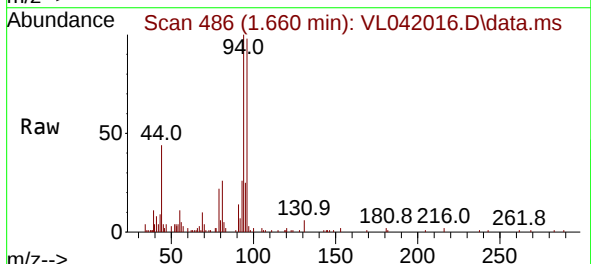
Tgt Ion: 62 Resp: 1299
 Ion Ratio Lower Upper
 62 100
 64 26.9 24.4 36.6

Manual Integrations
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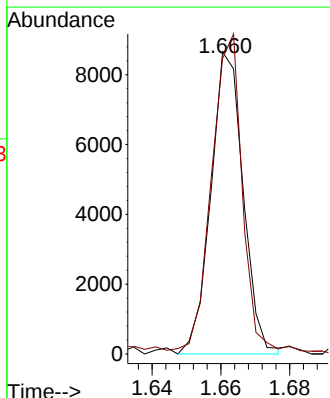
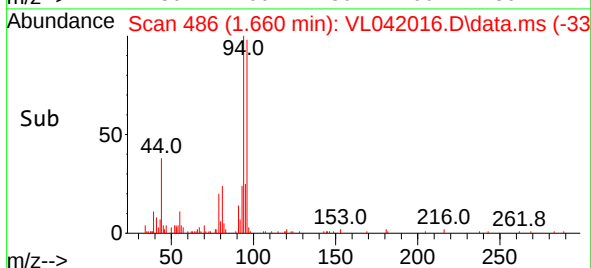
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 Supervised By :Mahesh Dadoda 02/17/2025

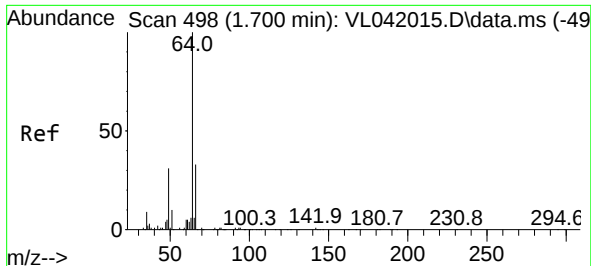


#6
 Bromomethane
 Concen: 1.896 ppbv
 RT: 1.660 min Scan# 486
 Delta R.T. -0.004 min
 Lab File: VL042016.D
 Acq: 14 Feb 2025 12:54



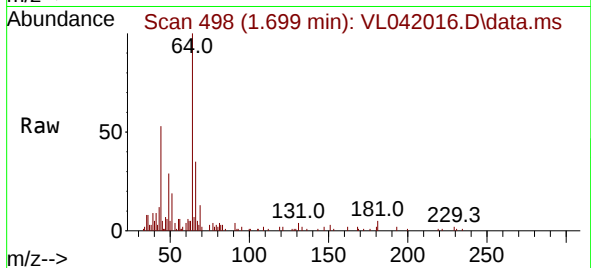
Tgt Ion: 94 Resp: 5638
 Ion Ratio Lower Upper
 94 100
 96 96.1 69.0 103.6





#7
Chloroethane
Concen: 1.933 ppbv
RT: 1.699 min Scan# 498
Delta R.T. -0.001 min
Lab File: VL042016.D
Acq: 14 Feb 2025 12:54

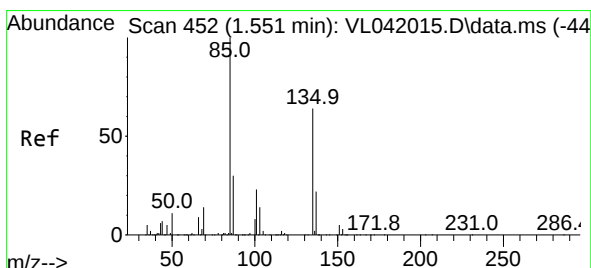
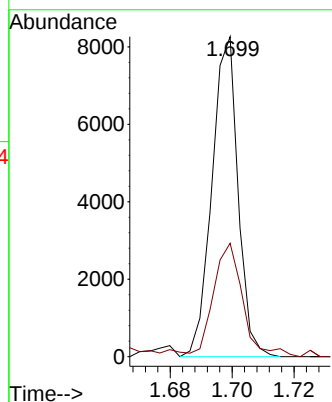
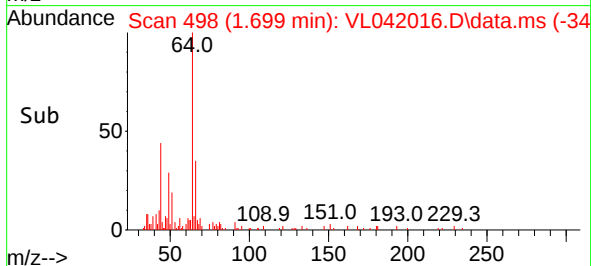
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002



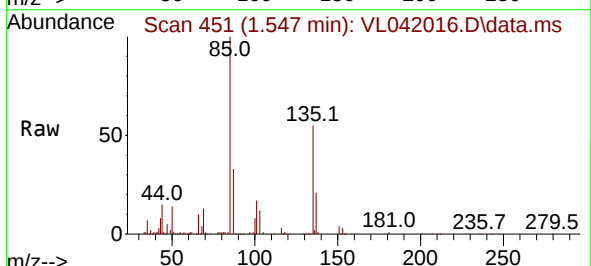
Tgt Ion: 64 Resp: 483
Ion Ratio Lower Upper
64 100
66 35.5 26.5 39.7

Manual Integrations
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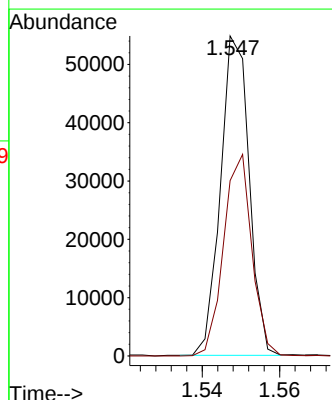
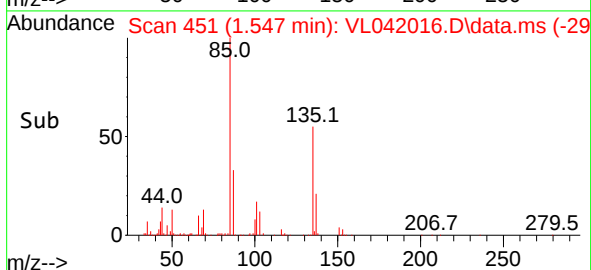
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Supervised By :Mahesh Dadoda 02/17/2025

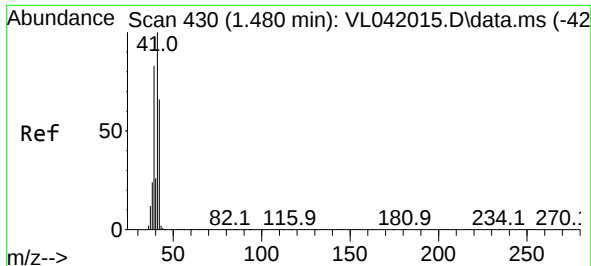


#8
Dichlorotetrafluoroethane
Concen: 1.939 ppbv
RT: 1.547 min Scan# 451
Delta R.T. -0.004 min
Lab File: VL042016.D
Acq: 14 Feb 2025 12:54



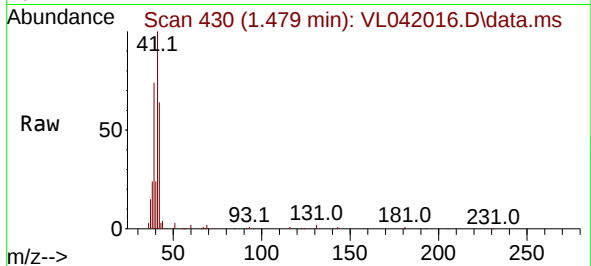
Tgt Ion: 85 Resp: 28149
Ion Ratio Lower Upper
85 100
135 62.5 50.9 76.3





#9
 Propene
 Concen: 1.943 ppbv
 RT: 1.479 min Scan# 41
 Delta R.T. -0.001 min
 Lab File: VL042016.D
 Acq: 14 Feb 2025 12:54

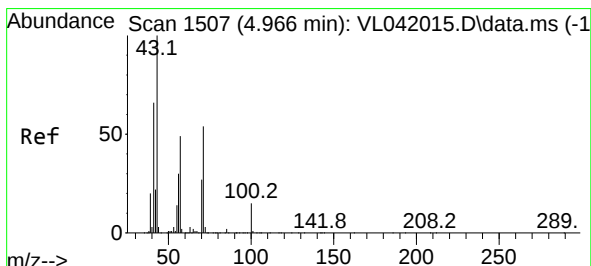
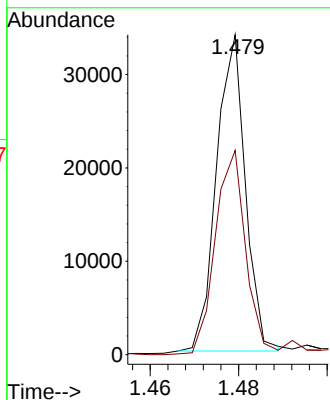
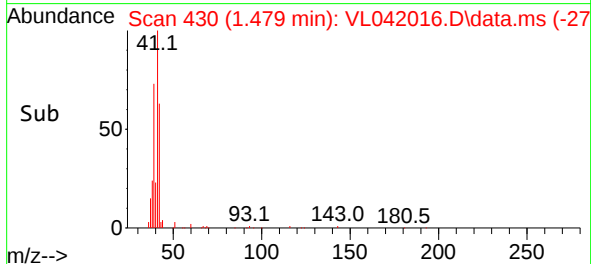
Instrument :
 MSVOA_L
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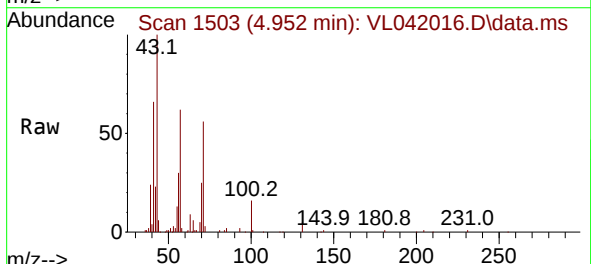
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 Ion Ratio Lower Upper
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 42 73.3 53.5 80.3

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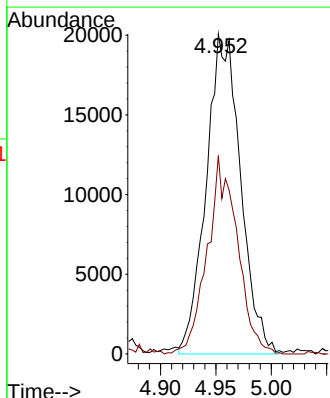
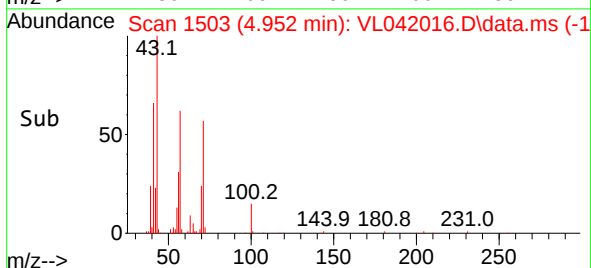
Reviewed By :Semsettin Yesilyurt 02/17/2025
 Supervised By :Mahesh Dadoda 02/17/2025

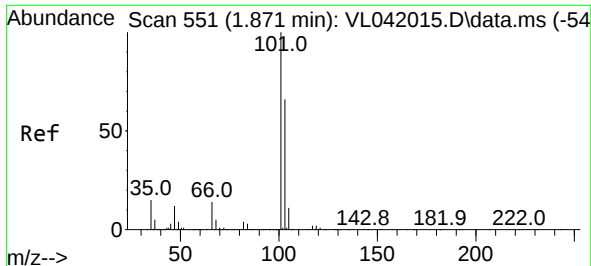


#10
 Heptane
 Concen: 1.992 ppbv m
 RT: 4.952 min Scan# 1503
 Delta R.T. -0.013 min
 Lab File: VL042016.D
 Acq: 14 Feb 2025 12:54



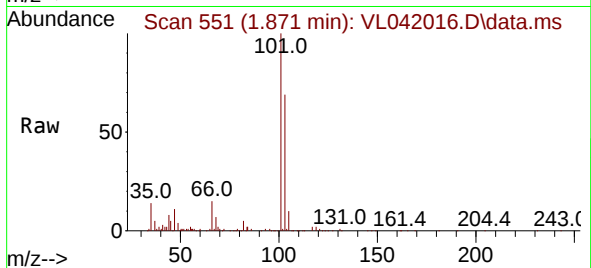
Tgt Ion: 43 Resp: 43303
 Ion Ratio Lower Upper
 43 100
 57 0.0 41.0 61.6#





#11
 Trichlorofluoromethane
 Concen: 2.029 ppbv
 RT: 1.871 min Scan# 551
 Delta R.T. -0.001 min
 Lab File: VL042016.D
 Acq: 14 Feb 2025 12:54

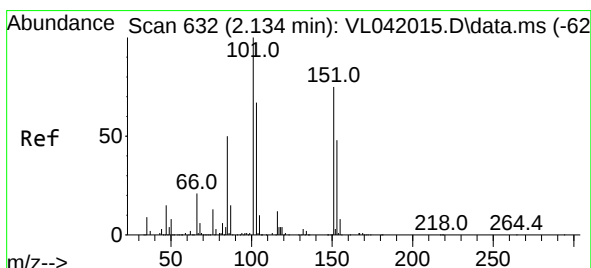
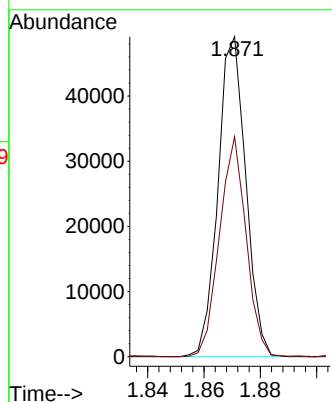
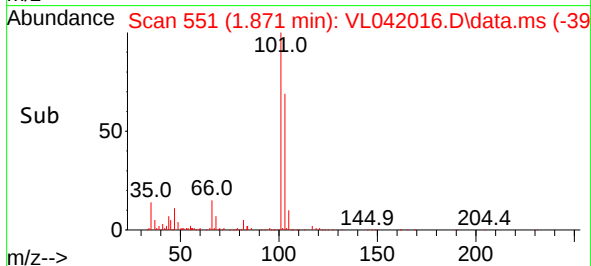
Instrument : MSVOA_L
 ClientSampleId : VSTDIC002



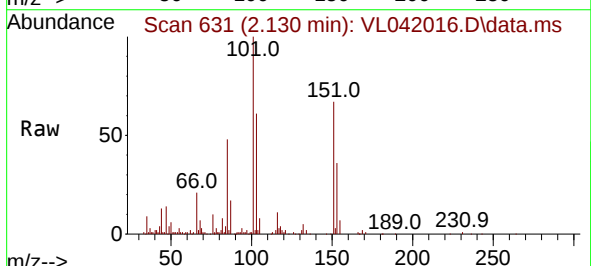
Tgt Ion:101 Resp: 3369
 Ion Ratio Lower Upper
 101 100
 103 68.5 52.9 79.3

Manual Integrations
 APPROVED

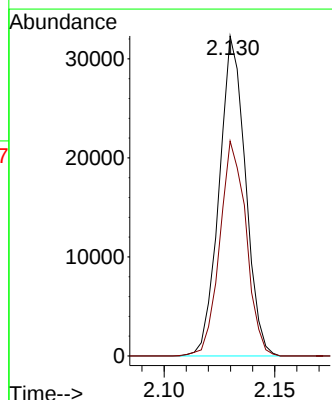
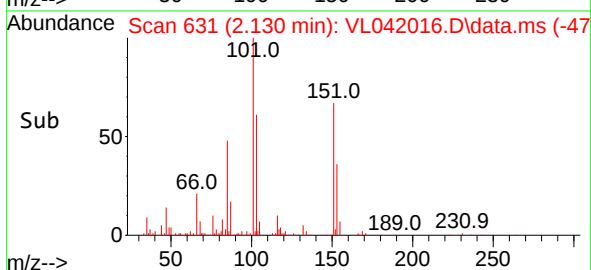
Reviewed By :Semsettin Yesilyurt 02/17/2025
 Supervised By :Mahesh Dadoda 02/17/2025

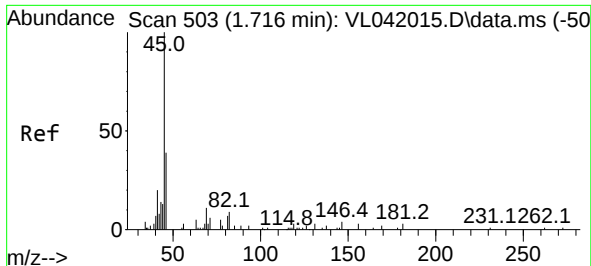


#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 2.059 ppbv
 RT: 2.130 min Scan# 631
 Delta R.T. -0.004 min
 Lab File: VL042016.D
 Acq: 14 Feb 2025 12:54



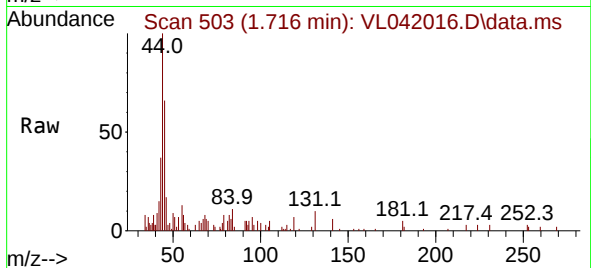
Tgt Ion:101 Resp: 26675
 Ion Ratio Lower Upper
 101 100
 151 67.3 58.2 87.2





#13
Ethanol
Concen: 1.859 ppbv
RT: 1.716 min Scan# 503
Delta R.T. -0.001 min
Lab File: VL042016.D
Acq: 14 Feb 2025 12:54

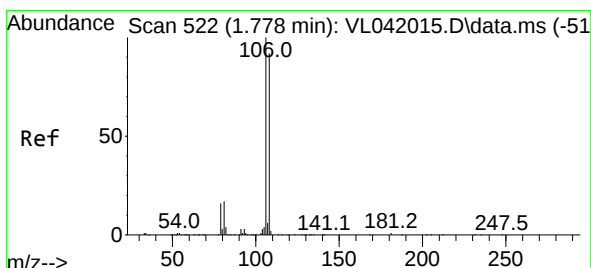
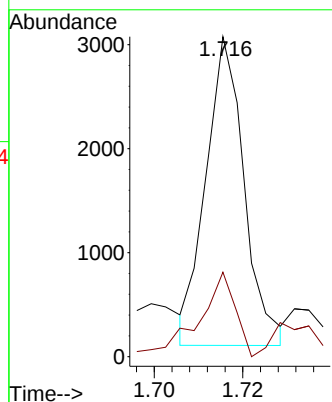
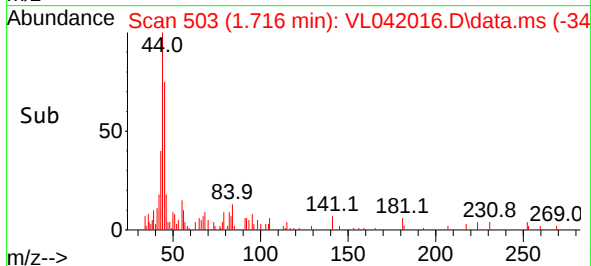
Instrument : MSVOA_L
ClientSampleId : VSTDIC002



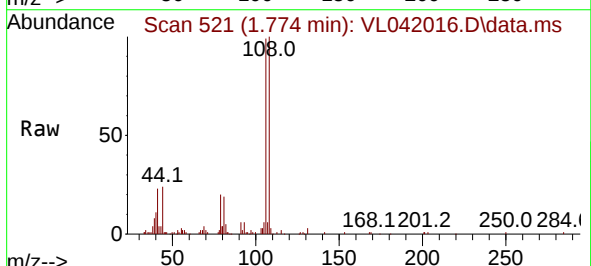
Tgt Ion: 45 Resp: 1770
Ion Ratio Lower Upper
45 100
46 41.7 21.3 85.1

Manual Integrations
APPROVED

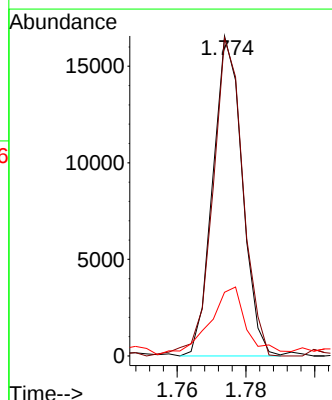
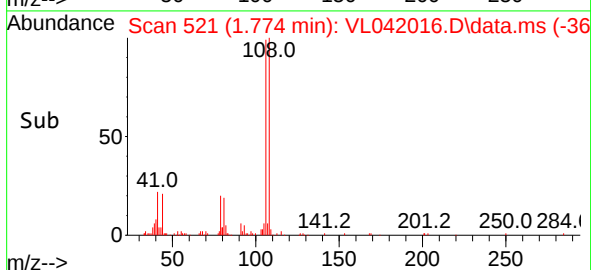
Reviewed By :Semsettin Yesilyurt 02/17/2025
Supervised By :Mahesh Dadoda 02/17/2025

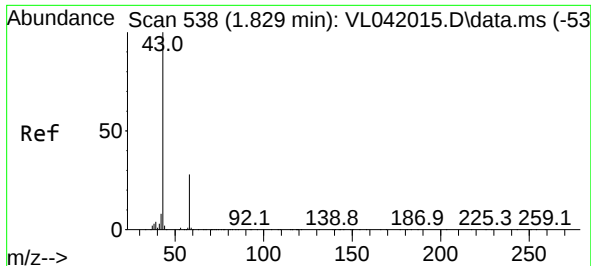


#14
Bromoethene
Concen: 2.037 ppbv
RT: 1.774 min Scan# 521
Delta R.T. -0.004 min
Lab File: VL042016.D
Acq: 14 Feb 2025 12:54



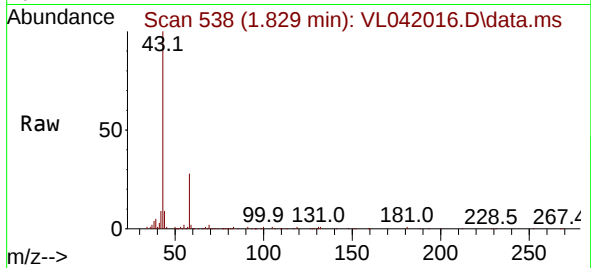
Tgt Ion:108 Resp: 9853
Ion Ratio Lower Upper
108 100
106 104.4 85.0 127.6
79 26.2 17.3 25.9





#15
Acetone
Concen: 2.016 ppbv
RT: 1.829 min Scan# 51
Delta R.T. -0.001 min
Lab File: VL042016.D
Acq: 14 Feb 2025 12:54

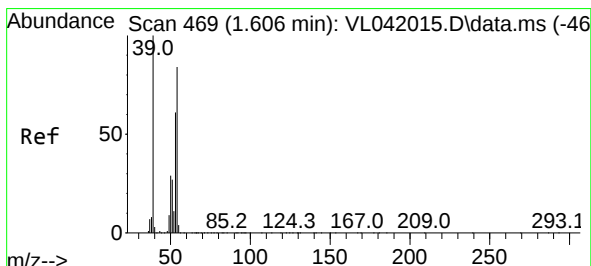
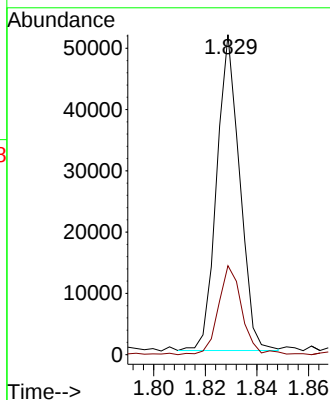
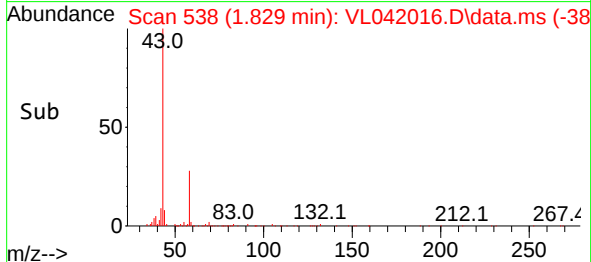
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002



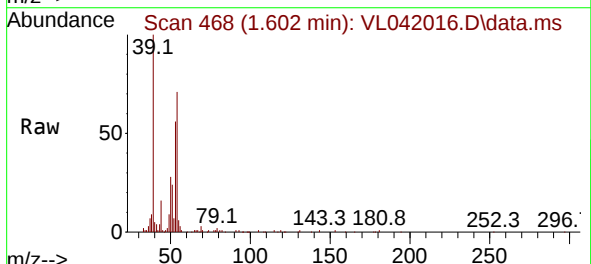
Tgt Ion: 43 Resp: 3190
Ion Ratio Lower Upper
43 100
58 30.4 22.9 34.3

Manual Integrations
APPROVED

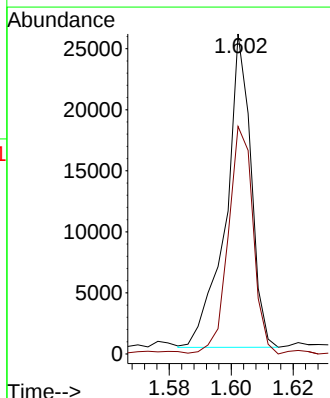
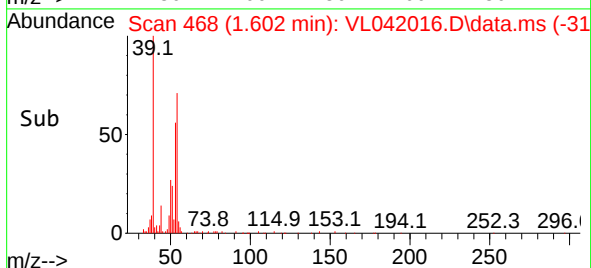
Reviewed By :Semsettin Yesilyurt 02/17/2025
Supervised By :Mahesh Dadoda 02/17/2025

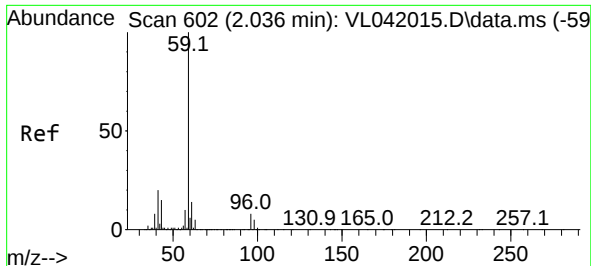


#16
1,3-Butadiene
Concen: 1.928 ppbv
RT: 1.602 min Scan# 468
Delta R.T. -0.004 min
Lab File: VL042016.D
Acq: 14 Feb 2025 12:54



Tgt Ion: 39 Resp: 14472
Ion Ratio Lower Upper
39 100
54 74.8 59.4 89.2





#17

tert-Butyl alcohol

Concen: 1.961 ppbv

RT: 2.033 min Scan# 602

Delta R.T. -0.004 min

Lab File: VL042016.D

Acq: 14 Feb 2025 12:54

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tgt Ion: 59 Resp: 3840

Ion Ratio Lower Upper

59 100

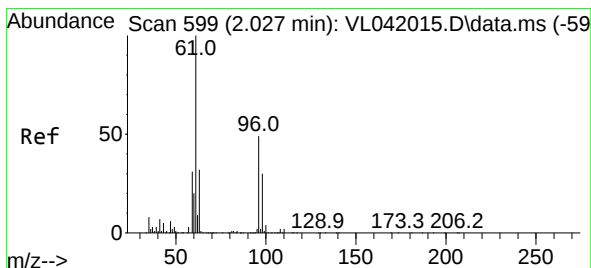
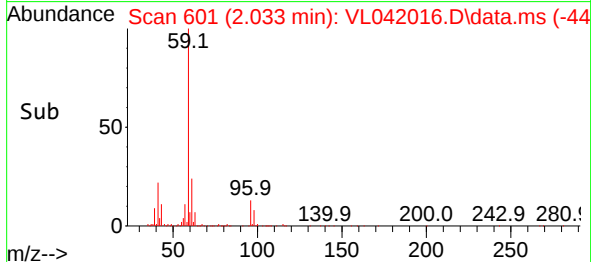
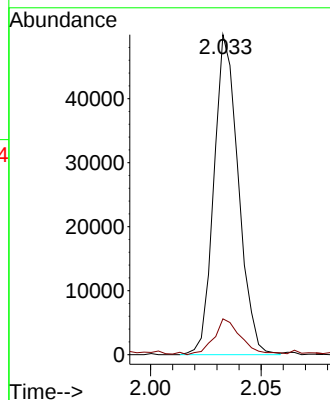
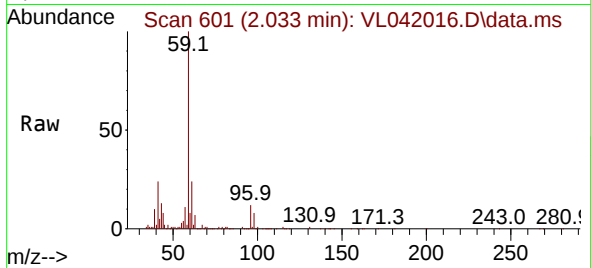
57 12.1 9.2 13.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/17/2025

Supervised By :Mahesh Dadoda 02/17/2025



#18

1,1-Dichloroethene

Concen: 2.016 ppbv

RT: 2.026 min Scan# 599

Delta R.T. -0.001 min

Lab File: VL042016.D

Acq: 14 Feb 2025 12:54

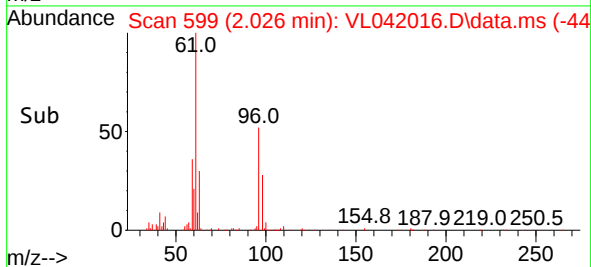
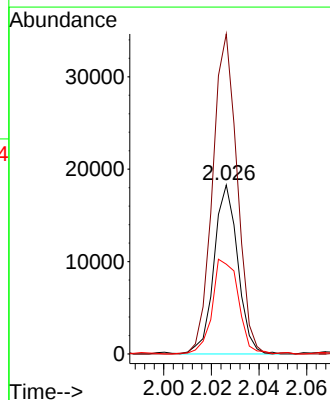
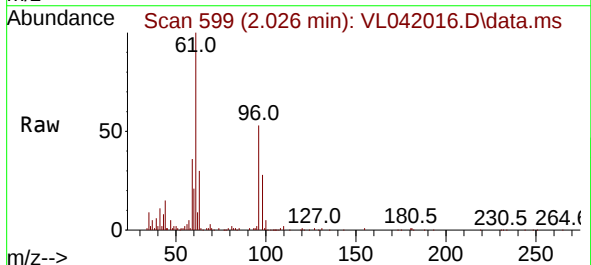
Tgt Ion: 96 Resp: 12701

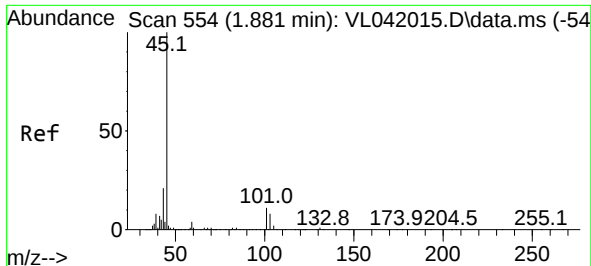
Ion Ratio Lower Upper

96 100

61 189.3 163.5 245.3

98 52.6 49.4 74.0





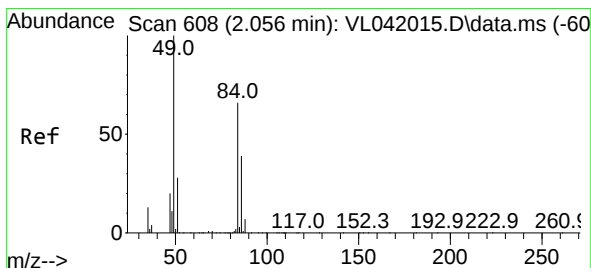
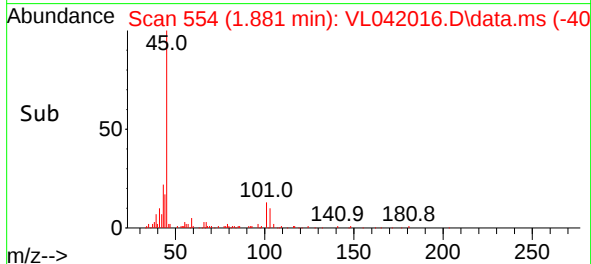
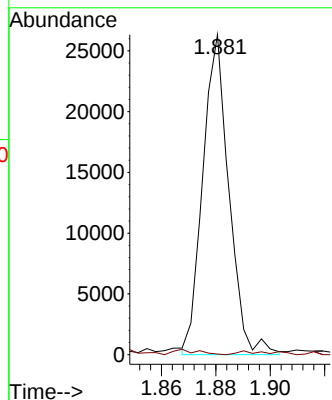
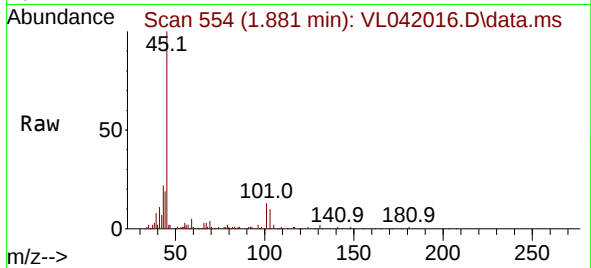
#19
Isopropyl Alcohol
Concen: 1.969 ppbv m
RT: 1.881 min Scan# 554
Delta R.T. -0.001 min
Lab File: VL042016.D
Acq: 14 Feb 2025 12:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tgt Ion: 45 Resp: 1757
Ion Ratio Lower Upper
45 100
58 0.0 36.2 54.4

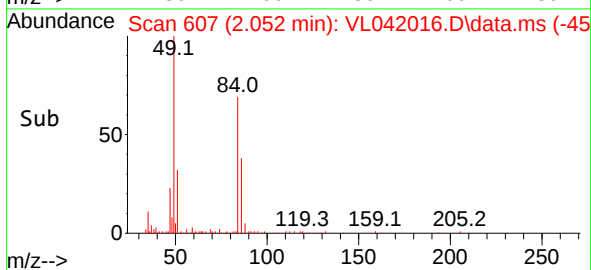
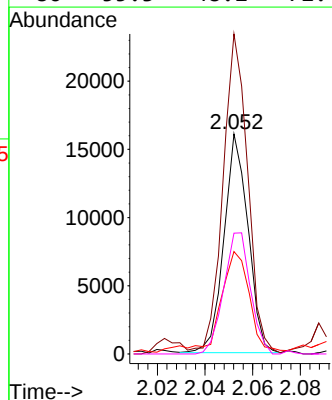
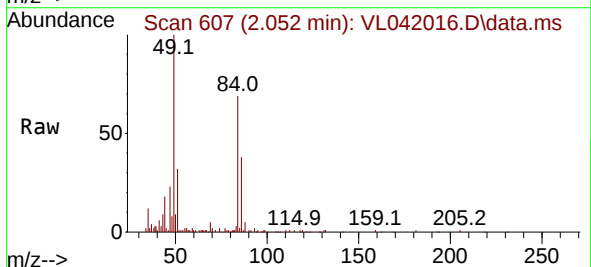
Manual Integrations
APPROVED

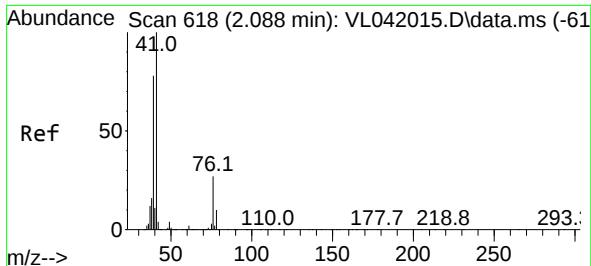
Reviewed By :Semsettin Yesilyurt 02/17/2025
Supervised By :Mahesh Dadoda 02/17/2025



#20
Methylene Chloride
Concen: 1.886 ppbv
RT: 2.052 min Scan# 607
Delta R.T. -0.004 min
Lab File: VL042016.D
Acq: 14 Feb 2025 12:54

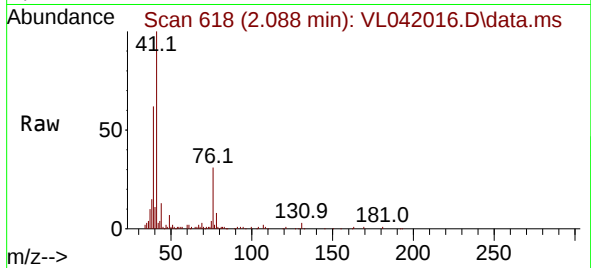
Tgt Ion: 84 Resp: 11236
Ion Ratio Lower Upper
84 100
49 145.8 121.0 181.4
51 45.1 35.1 52.7
86 55.3 48.2 72.4





#21
 Allyl Chloride
 Concen: 2.059 ppbv
 RT: 2.088 min Scan# 618
 Delta R.T. -0.001 min
 Lab File: VL042016.D
 Acq: 14 Feb 2025 12:54

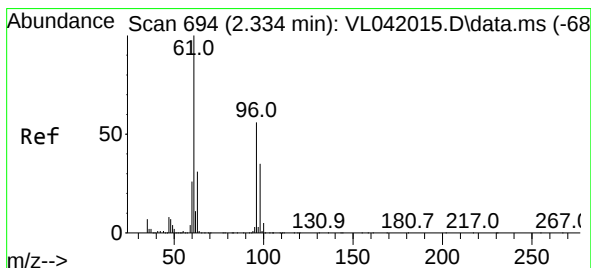
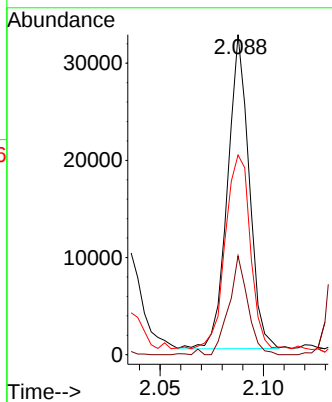
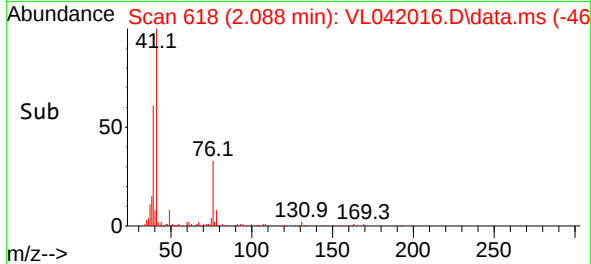
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002



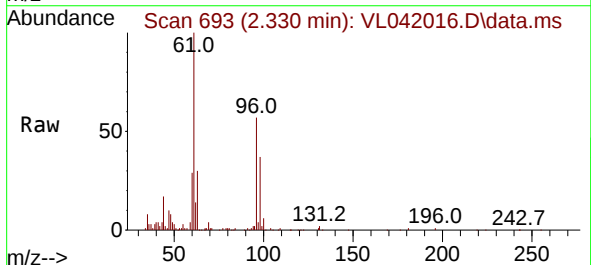
Tgt Ion: 41 Resp: 2344
 Ion Ratio Lower Upper
 41 100
 76 27.9 23.7 35.5
 39 72.8 63.0 94.6

Manual Integrations
 APPROVED

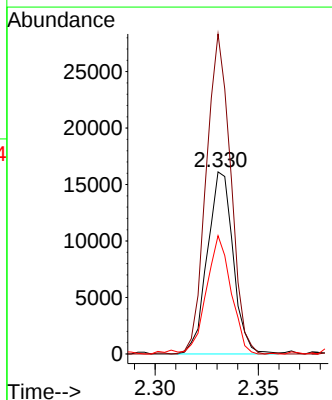
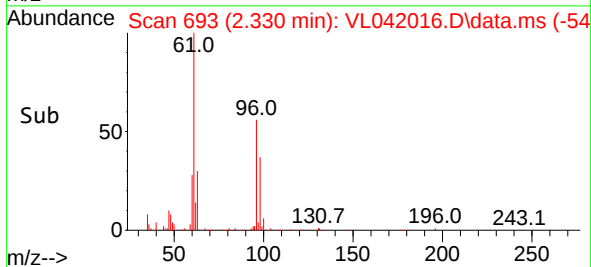
Reviewed By :Semsettin Yesilyurt 02/17/2025
 Supervised By :Mahesh Dadoda 02/17/2025

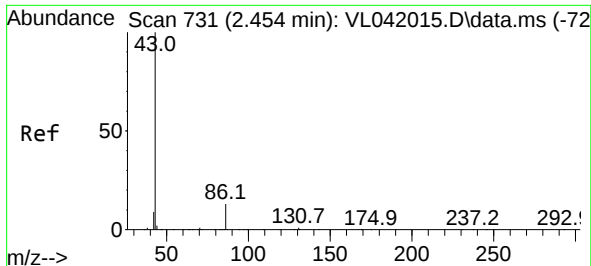


#22
 trans-1,2-Dichloroethene
 Concen: 2.076 ppbv
 RT: 2.330 min Scan# 693
 Delta R.T. -0.004 min
 Lab File: VL042016.D
 Acq: 14 Feb 2025 12:54



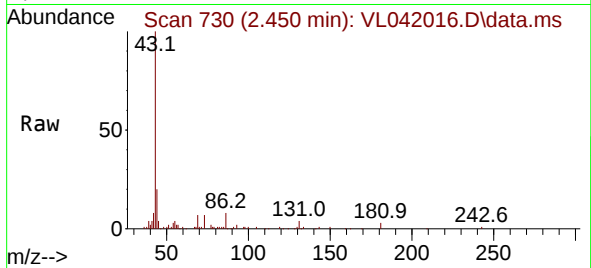
Tgt Ion: 96 Resp: 13948
 Ion Ratio Lower Upper
 96 100
 61 175.4 142.3 213.5
 98 65.0 50.2 75.2





#23
 Vinyl Acetate
 Concen: 1.977 ppbv
 RT: 2.450 min Scan# 714
 Delta R.T. -0.004 min
 Lab File: VL042016.D
 Acq: 14 Feb 2025 12:54

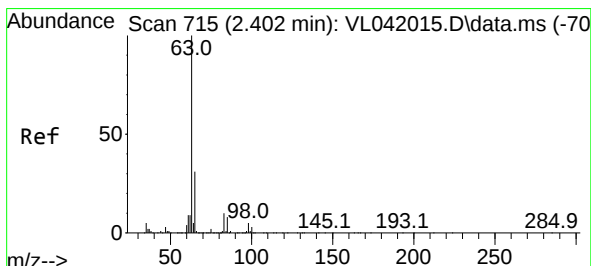
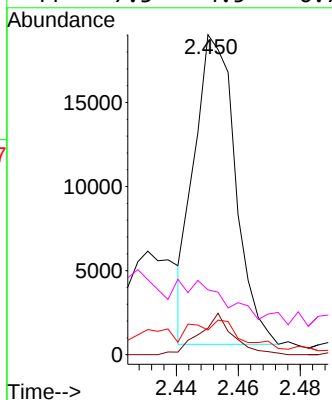
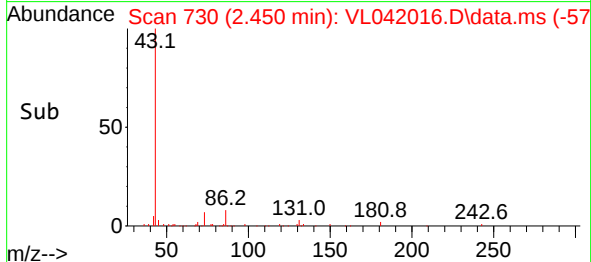
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002



Tgt Ion: 43 Resp: 16940
 Ion Ratio Lower Upper
 43 100
 86 8.1 8.1 12.1
 42 6.0 7.5 11.3
 44 7.3 4.5 6.7

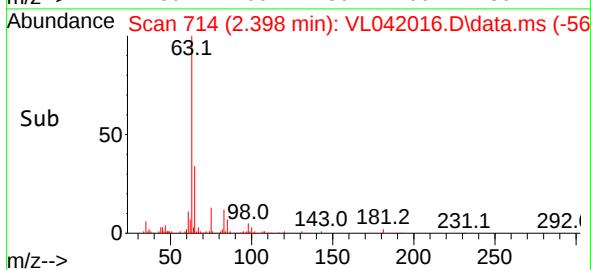
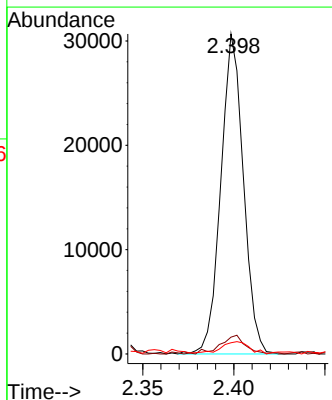
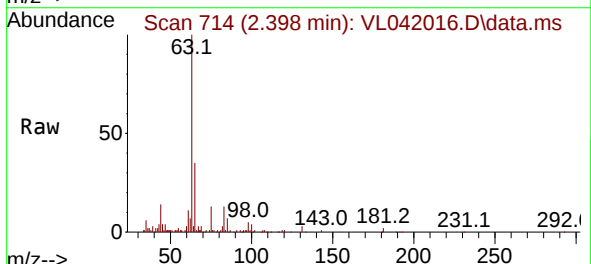
Manual Integrations
 APPROVED

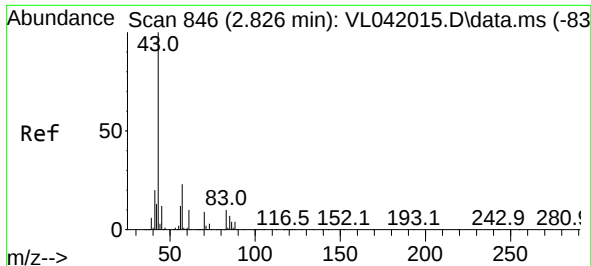
Reviewed By :Semsettin Yesilyurt 02/17/2025
 Supervised By :Mahesh Dadoda 02/17/2025



#24
 1,1-Dichloroethane
 Concen: 1.937 ppbv
 RT: 2.398 min Scan# 714
 Delta R.T. -0.004 min
 Lab File: VL042016.D
 Acq: 14 Feb 2025 12:54

Tgt Ion: 63 Resp: 26419
 Ion Ratio Lower Upper
 63 100
 98 4.9 2.4 7.2
 100 2.9 1.6 4.8





#25

Ethyl Acetate

Concen: 2.014 ppbv

RT: 2.826 min Scan# 846

Delta R.T. -0.001 min

Lab File: VL042016.D

Acq: 14 Feb 2025 12:54

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC002

Tgt Ion: 43 Resp: 8747

Ion Ratio Lower Upper

43 100

45 11.4 8.1 12.1

61 10.4 7.5 11.3

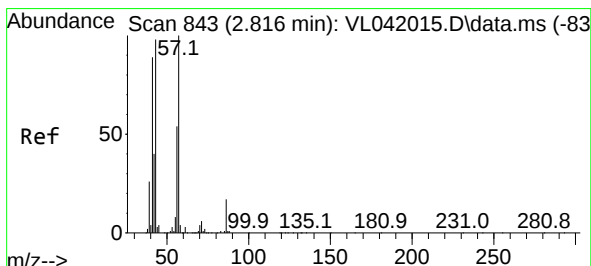
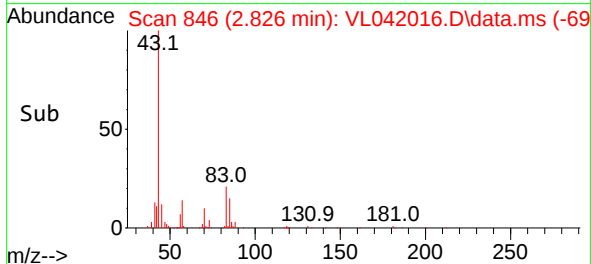
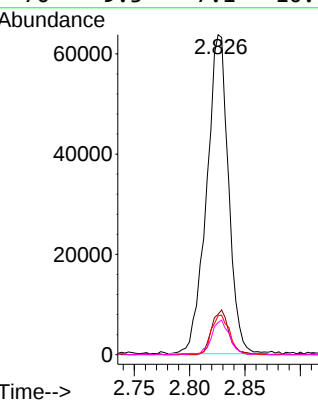
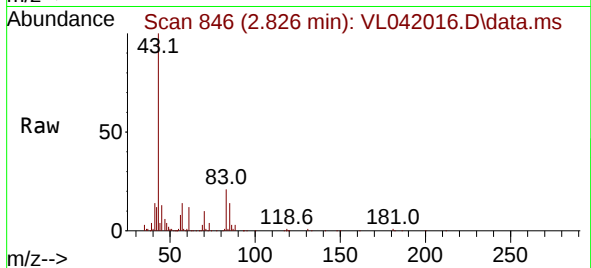
70 9.3 7.1 10.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/17/2025

Supervised By :Mahesh Dadoda 02/17/2025



#26

Hexane

Concen: 1.998 ppbv

RT: 2.813 min Scan# 842

Delta R.T. -0.004 min

Lab File: VL042016.D

Acq: 14 Feb 2025 12:54

Tgt Ion: 57 Resp: 34825

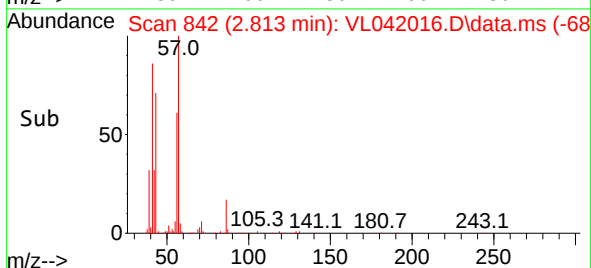
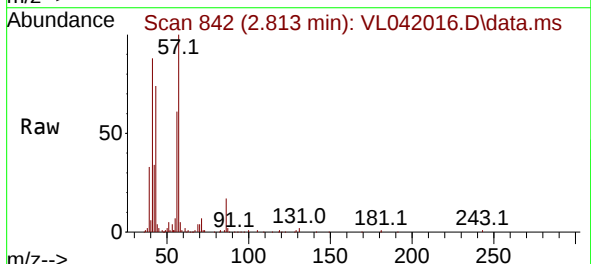
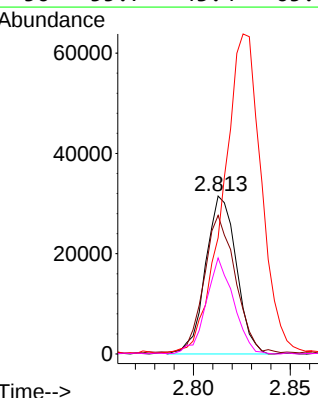
Ion Ratio Lower Upper

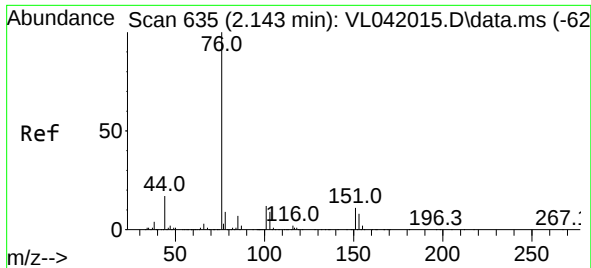
57 100

41 89.9 73.2 109.8

43 253.6 200.8 301.2

56 55.7 43.4 65.0





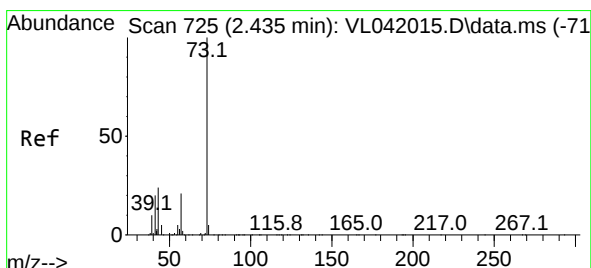
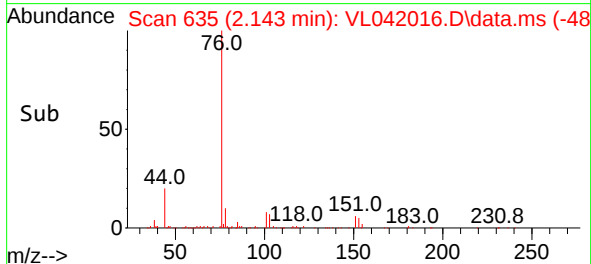
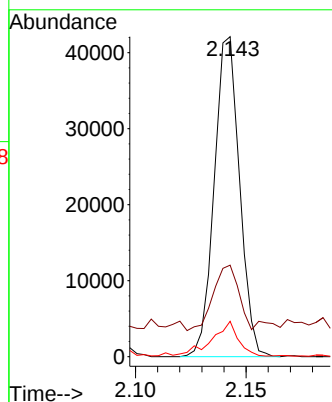
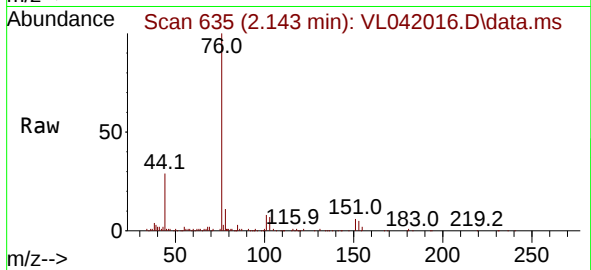
#27
Carbon Disulfide
Concen: 2.044 ppbv
RT: 2.143 min Scan# 61
Delta R.T. -0.001 min
Lab File: VL042016.D
Acq: 14 Feb 2025 12:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tgt Ion: 76 Resp: 33514
Ion Ratio Lower Upper
76 100
44 55.3 18.1 27.1
78 12.1 9.5 14.3

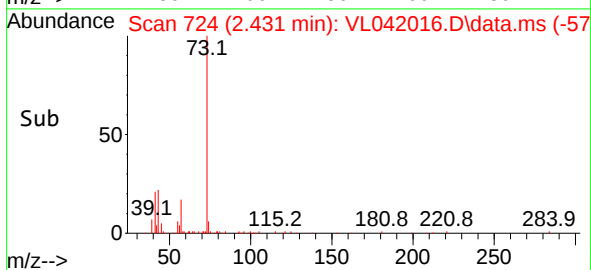
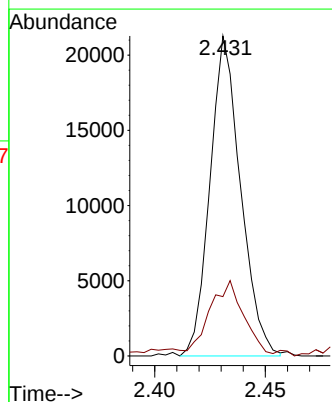
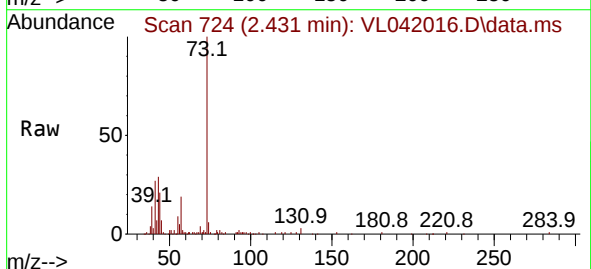
Manual Integrations
APPROVED

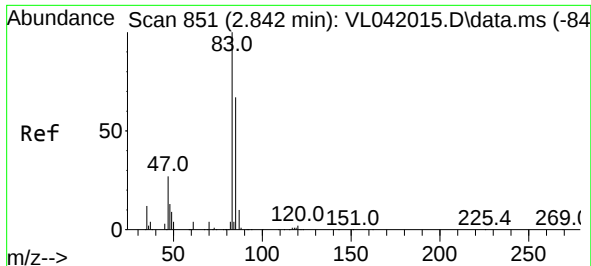
Reviewed By :Semsettin Yesilyurt 02/17/2025
Supervised By :Mahesh Dadoda 02/17/2025



#28
Methyl tert-Butyl Ether
Concen: 1.921 ppbv
RT: 2.431 min Scan# 724
Delta R.T. -0.004 min
Lab File: VL042016.D
Acq: 14 Feb 2025 12:54

Tgt Ion: 73 Resp: 20473
Ion Ratio Lower Upper
73 100
57 29.0 18.3 27.5





#29

Chloroform

Concen: 2.005 ppbv

RT: 2.839 min Scan# 81

Delta R.T. -0.004 min

Lab File: VL042016.D

Acq: 14 Feb 2025 12:54

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC002

Tgt Ion: 83 Resp: 50609

Ion Ratio Lower Upper

83 100

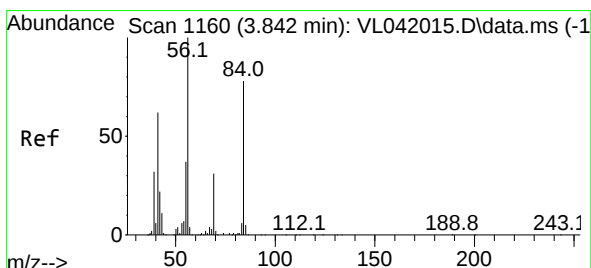
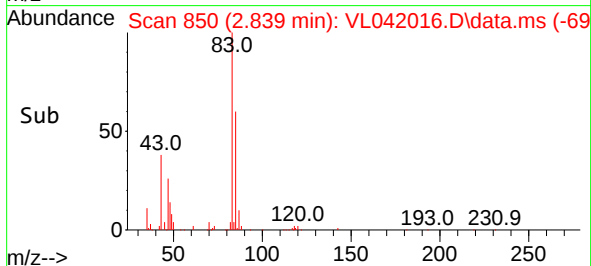
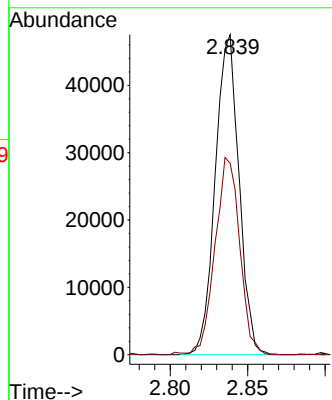
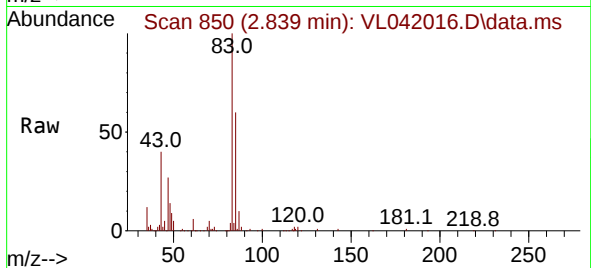
85 59.8 53.8 80.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/17/2025

Supervised By :Mahesh Dadoda 02/17/2025



#30

Cyclohexane

Concen: 2.025 ppbv

RT: 3.839 min Scan# 1159

Delta R.T. -0.004 min

Lab File: VL042016.D

Acq: 14 Feb 2025 12:54

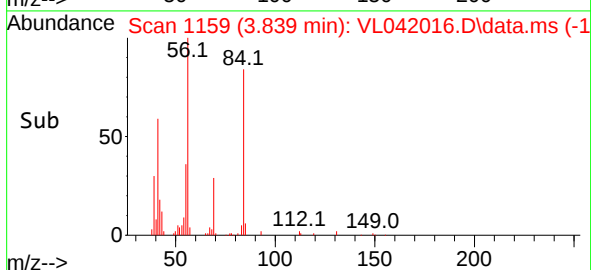
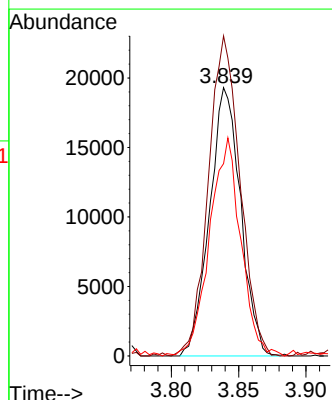
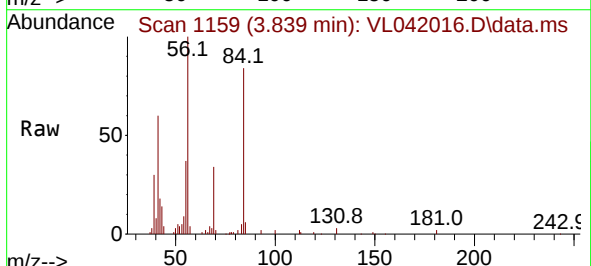
Tgt Ion: 84 Resp: 30917

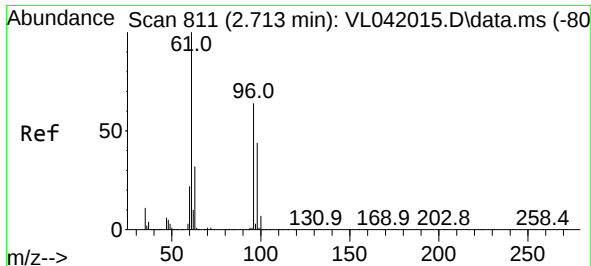
Ion Ratio Lower Upper

84 100

56 122.1 99.5 149.3

41 80.1 62.2 93.2





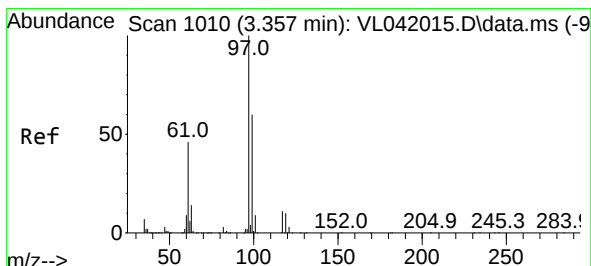
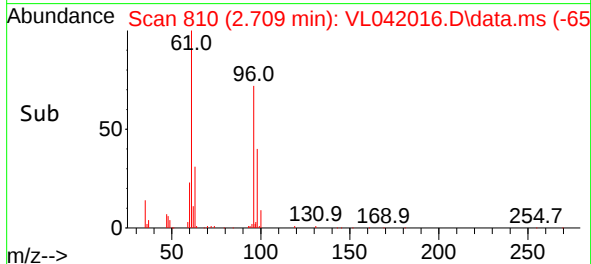
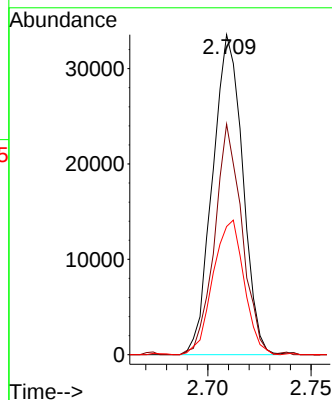
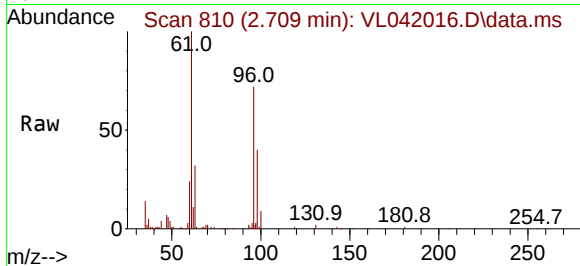
#31
 cis-1,2-Dichloroethene
 Concen: 1.975 ppbv
 RT: 2.709 min Scan# 811
 Delta R.T. -0.004 min
 Lab File: VL042016.D
 Acq: 14 Feb 2025 12:54

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tgt Ion: 61 Resp: 34025
 Ion Ratio Lower Upper
 61 100
 96 72.0 51.6 77.4
 98 40.0 34.8 52.2

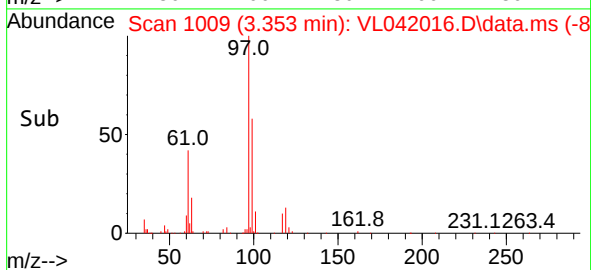
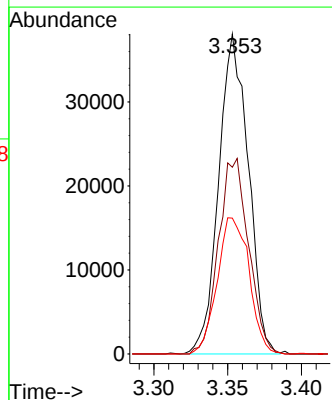
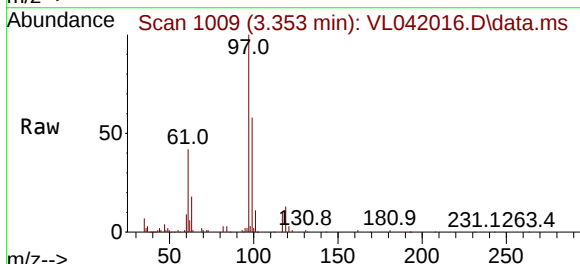
Manual Integrations
 APPROVED

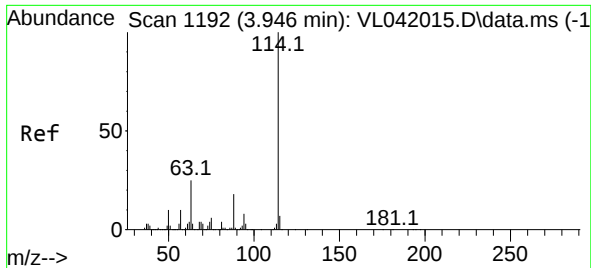
Reviewed By :Semsettin Yesilyurt 02/17/2025
 Supervised By :Mahesh Dadoda 02/17/2025



#32
 1,1,1-Trichloroethane
 Concen: 1.896 ppbv
 RT: 3.353 min Scan# 1009
 Delta R.T. -0.004 min
 Lab File: VL042016.D
 Acq: 14 Feb 2025 12:54

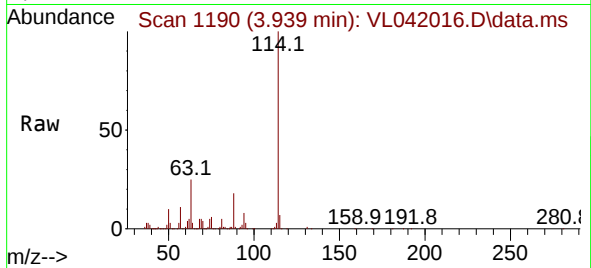
Tgt Ion: 97 Resp: 53097
 Ion Ratio Lower Upper
 97 100
 99 62.5 51.0 76.4
 61 45.9 37.9 56.9





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.939 min Scan# 1192
Delta R.T. -0.007 min
Lab File: VL042016.D
Acq: 14 Feb 2025 12:54

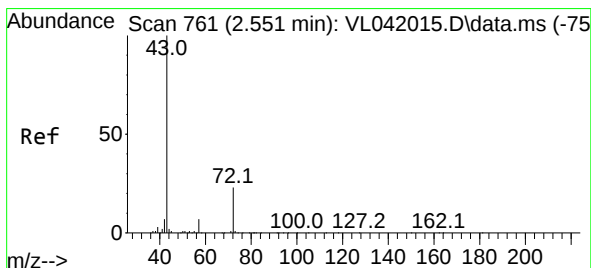
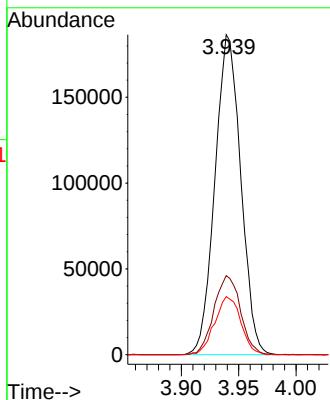
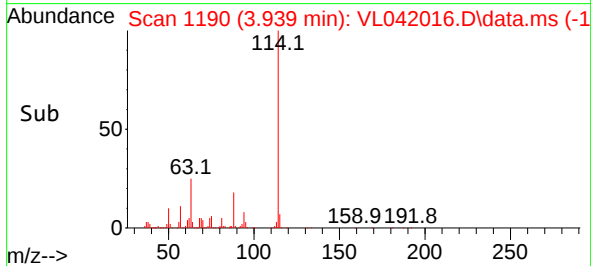
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002



Tgt Ion:114 Resp: 29185
Ion Ratio Lower Upper
114 100
63 25.4 20.2 30.2
88 18.3 14.4 21.6

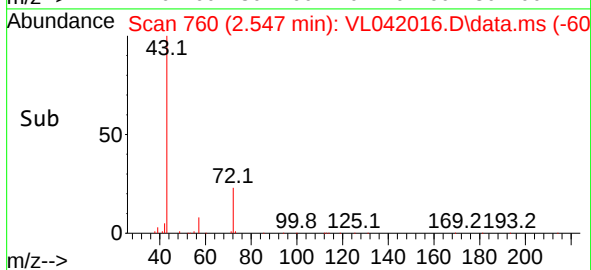
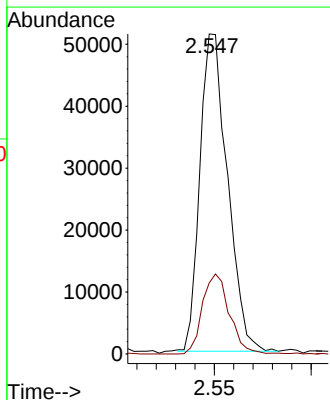
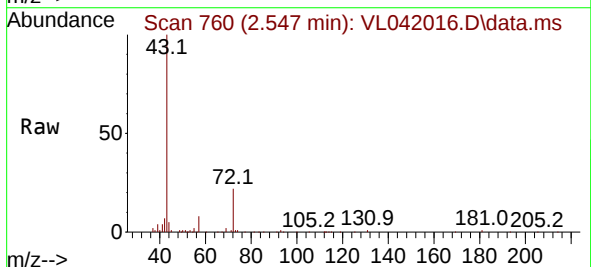
Manual Integrations
APPROVED

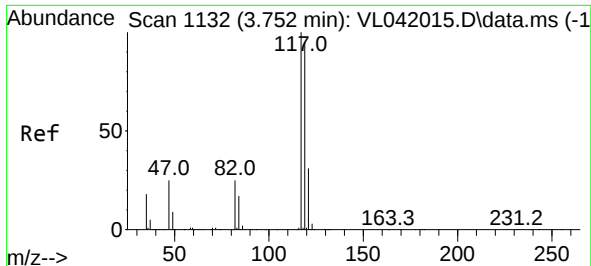
Reviewed By :Semsettin Yesilyurt 02/17/2025
Supervised By :Mahesh Dadoda 02/17/2025



#34
2-Butanone
Concen: 2.023 ppbv
RT: 2.547 min Scan# 760
Delta R.T. -0.004 min
Lab File: VL042016.D
Acq: 14 Feb 2025 12:54

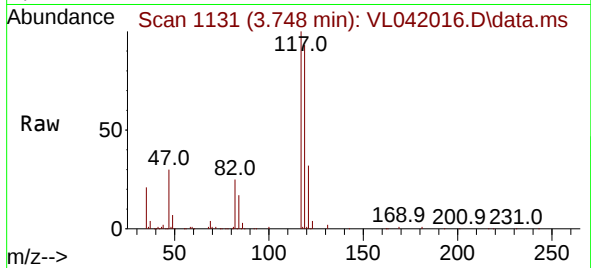
Tgt Ion: 43 Resp: 50795
Ion Ratio Lower Upper
43 100
72 24.8 18.3 27.5





#35
Carbon Tetrachloride
Concen: 1.864 ppbv
RT: 3.748 min Scan# 1132
Delta R.T. -0.004 min
Lab File: VL042016.D
Acq: 14 Feb 2025 12:54

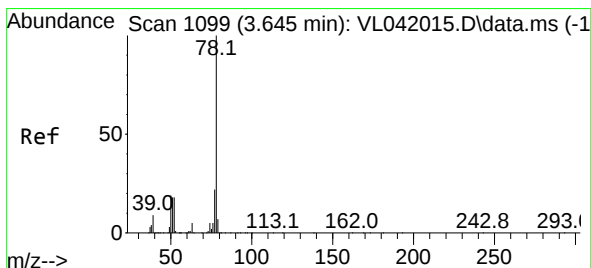
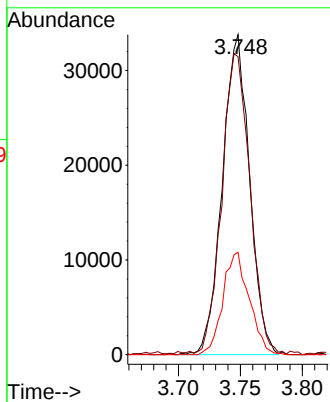
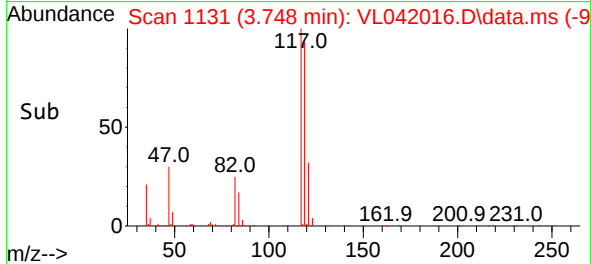
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002



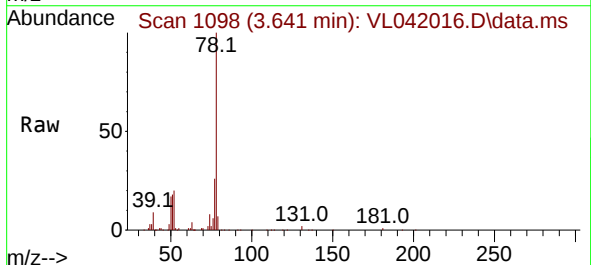
Tgt Ion:117 Resp: 51790
Ion Ratio Lower Upper
117 100
119 92.3 75.8 113.6
121 32.0 24.6 36.8

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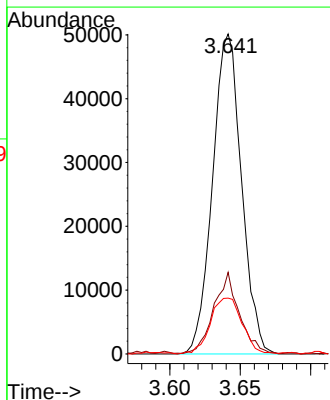
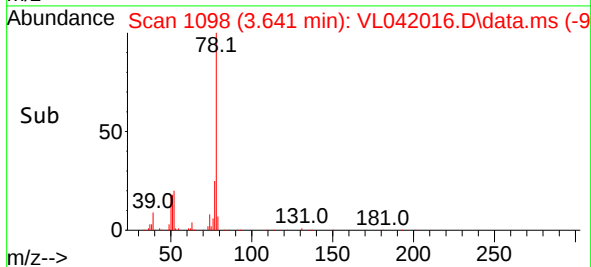
Reviewed By :Semsettin Yesilyurt 02/17/2025
Supervised By :Mahesh Dadoda 02/17/2025

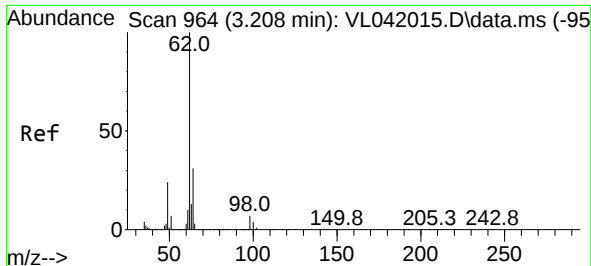


#36
Benzene
Concen: 2.032 ppbv
RT: 3.641 min Scan# 1098
Delta R.T. -0.004 min
Lab File: VL042016.D
Acq: 14 Feb 2025 12:54



Tgt Ion: 78 Resp: 71850
Ion Ratio Lower Upper
78 100
77 25.3 18.0 27.0
50 17.4 15.2 22.8





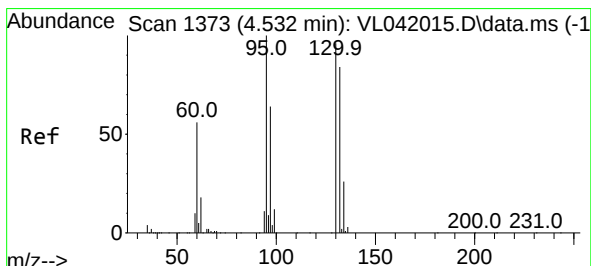
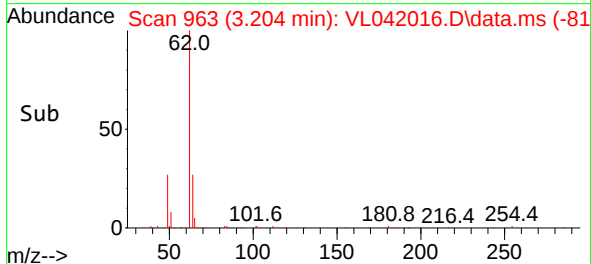
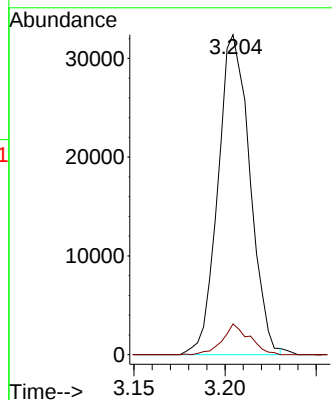
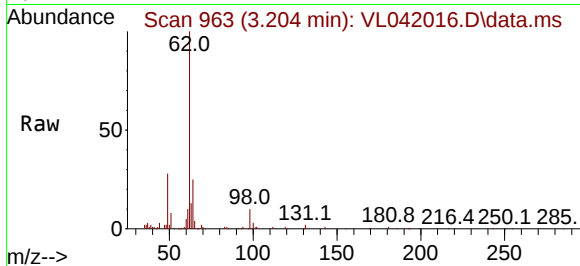
#37
1,2-Dichloroethane
Concen: 1.962 ppbv
RT: 3.204 min Scan# 964
Delta R.T. -0.004 min
Lab File: VL042016.D
Acq: 14 Feb 2025 12:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 62 Resp: 39494
Ion Ratio Lower Upper
62 100
98 8.2 5.7 8.5

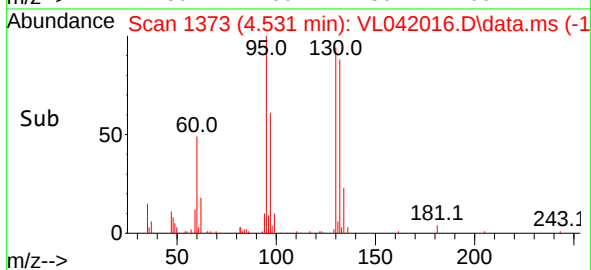
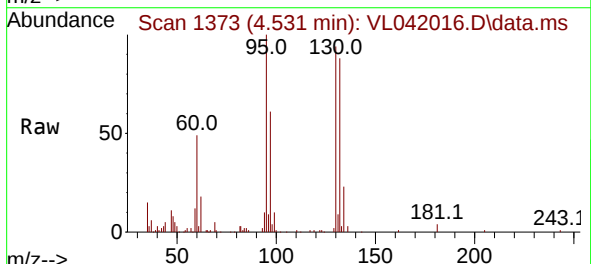
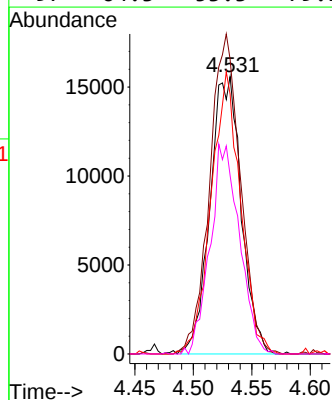
Manual Integrations
APPROVED

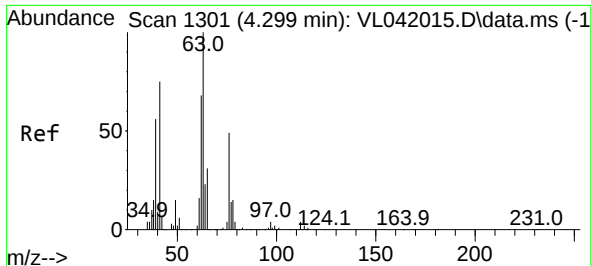
Reviewed By :Semsettin Yesilyurt 02/17/2025
Supervised By :Mahesh Dadoda 02/17/2025



#38
Trichloroethene
Concen: 1.981 ppbv m
RT: 4.531 min Scan# 1373
Delta R.T. -0.001 min
Lab File: VL042016.D
Acq: 14 Feb 2025 12:54

Tgt Ion:130 Resp: 28764
Ion Ratio Lower Upper
130 100
95 106.1 82.8 124.2
132 93.6 70.0 105.0
97 64.3 53.3 79.9





#39

1,2-Dichloropropane

Concen: 1.825 ppbv

RT: 4.292 min Scan# 1301

Delta R.T. -0.007 min

Lab File: VL042016.D

Acq: 14 Feb 2025 12:54

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC002

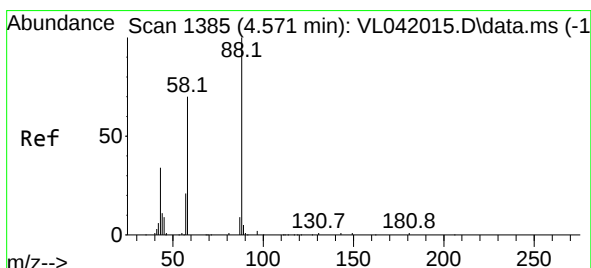
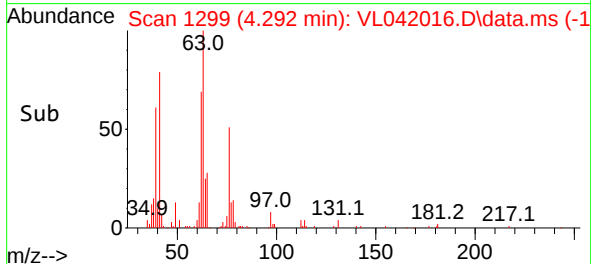
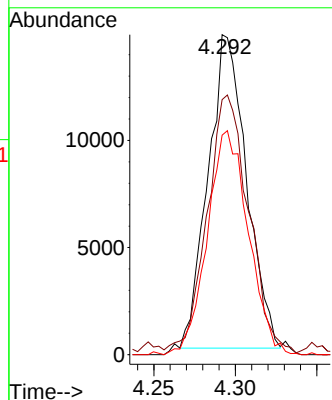
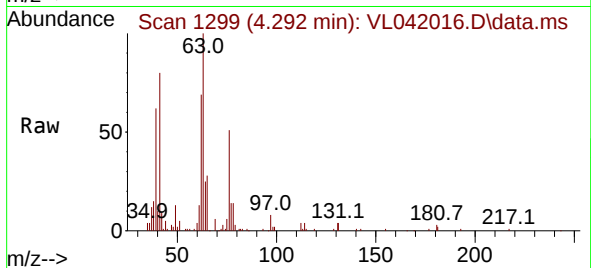
Tgt Ion: 63 Resp: 2393

Ion	Ratio	Lower	Upper
63	100		
41	77.2	60.1	90.1
62	68.2	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: 1.941 ppbv m

RT: 4.573 min Scan# 1386

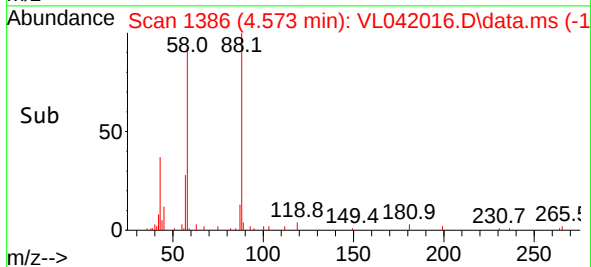
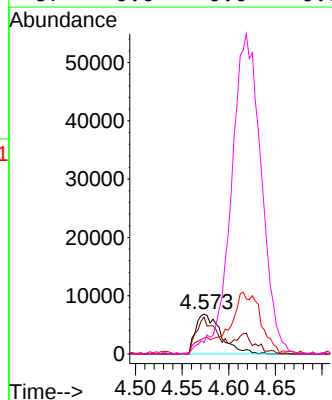
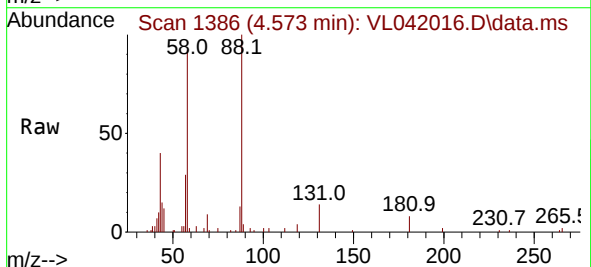
Delta R.T. 0.003 min

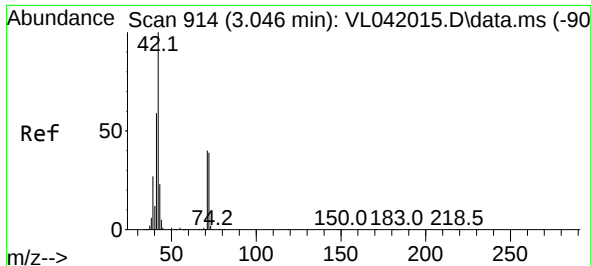
Lab File: VL042016.D

Acq: 14 Feb 2025 12:54

Tgt Ion: 88 Resp: 13016

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





#41

Tetrahydrofuran

Concen: 1.922 ppbv

RT: 3.046 min Scan# 914

Delta R.T. -0.001 min

Lab File: VL042016.D

Acq: 14 Feb 2025 12:54

Instrument :

MSVOA_L

ClientSampleId :

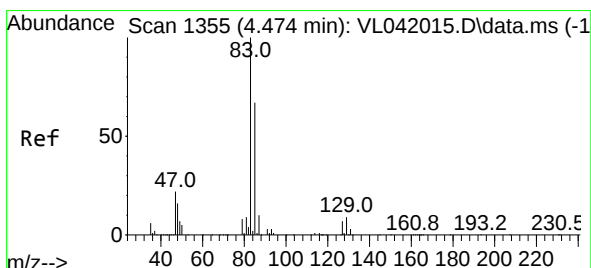
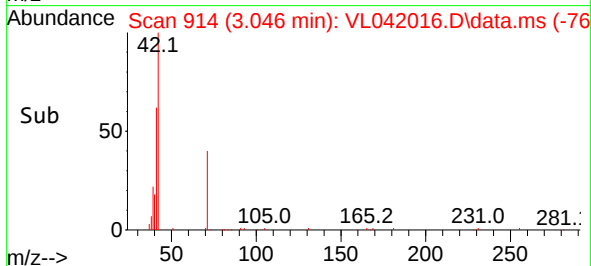
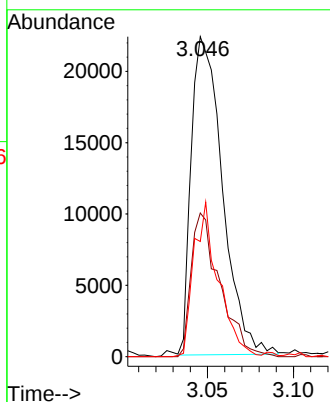
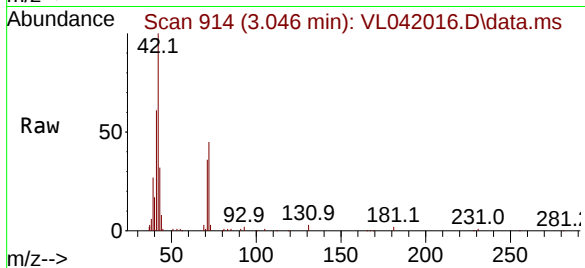
VSTDICC002

Tgt Ion:	42	Resp:	28154
Ion	Ratio	Lower	Upper
42	100		
72	41.8	32.3	48.5
71	39.4	30.9	46.3

Manual Integrations

APPROVED

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



#42

Bromodichloromethane

Concen: 1.993 ppbv m

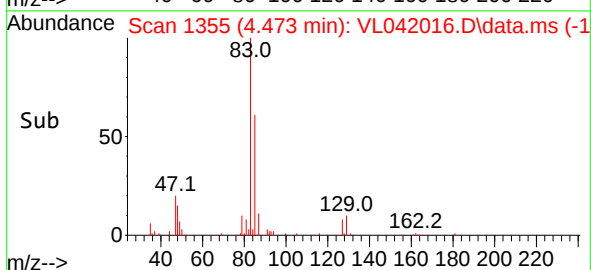
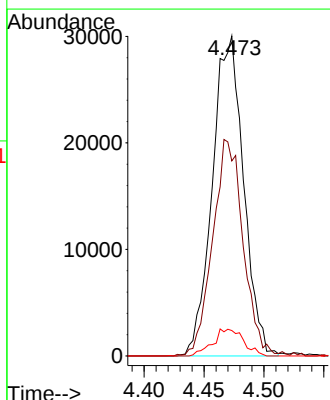
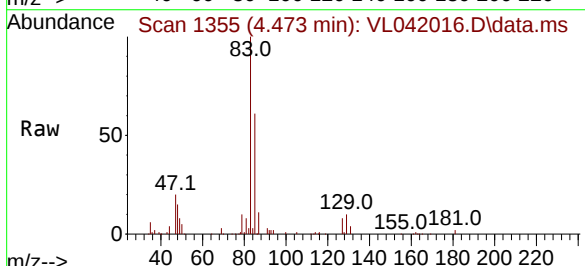
RT: 4.473 min Scan# 1355

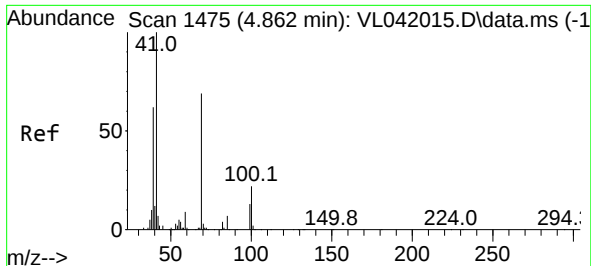
Delta R.T. -0.001 min

Lab File: VL042016.D

Acq: 14 Feb 2025 12:54

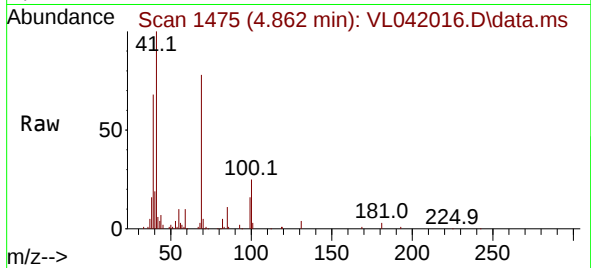
Tgt Ion:	83	Resp:	54355
Ion	Ratio	Lower	Upper
83	100		
85	61.0	53.3	79.9
127	8.0	6.0	9.0





#43
Methyl Methacrylate
Concen: 1.877 ppbv
RT: 4.862 min Scan# 1475
Delta R.T. -0.001 min
Lab File: VL042016.D
Acq: 14 Feb 2025 12:54

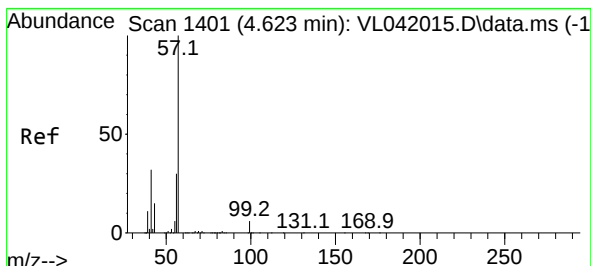
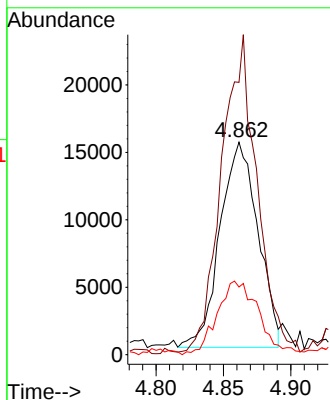
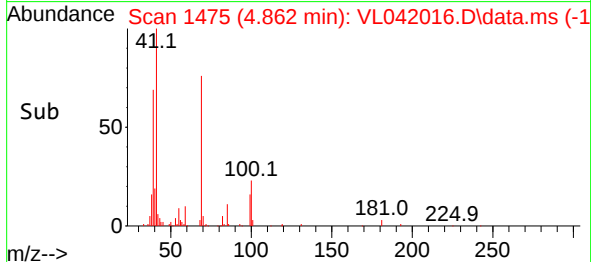
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002



Tgt Ion: 69 Resp: 2983
Ion Ratio Lower Upper
69 100
41 146.0 114.9 172.3
100 39.1 28.8 43.2

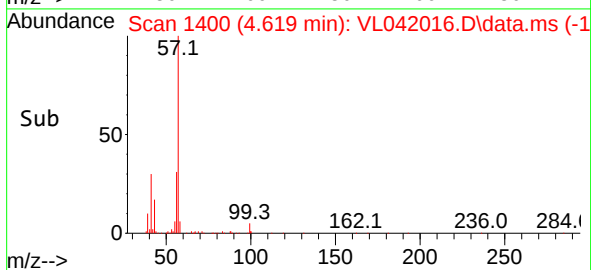
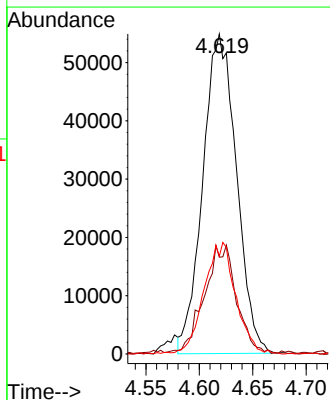
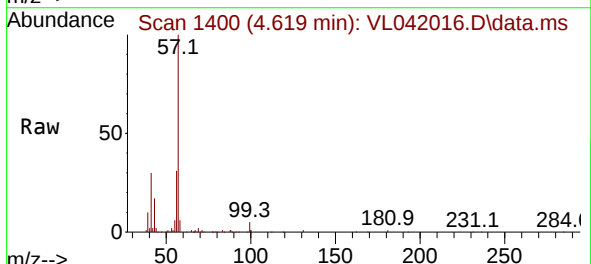
Manual Integrations
APPROVED

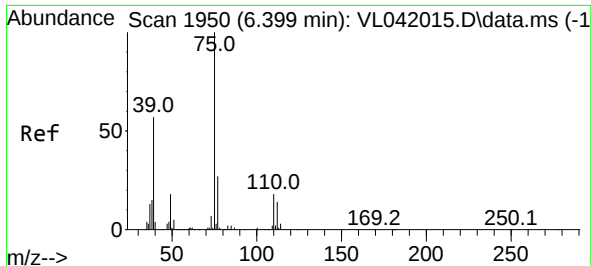
Reviewed By :Semsettin Yesilyurt 02/17/2025
Supervised By :Mahesh Dadoda 02/17/2025



#44
2,2,4-Trimethylpentane
Concen: 1.999 ppbv
RT: 4.619 min Scan# 1400
Delta R.T. -0.004 min
Lab File: VL042016.D
Acq: 14 Feb 2025 12:54

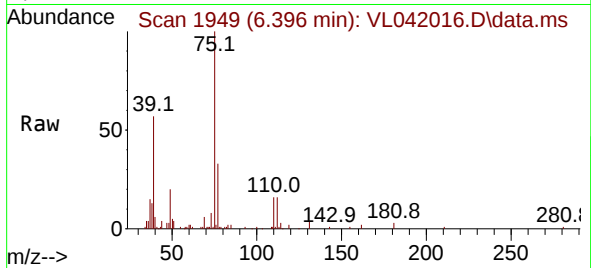
Tgt Ion: 57 Resp: 119979
Ion Ratio Lower Upper
57 100
41 32.7 25.9 38.9
56 33.2 24.9 37.3





#45
 t-1,3-Dichloropropene
 Concen: 1.998 ppbv
 RT: 6.396 min Scan# 1949
 Delta R.T. -0.004 min
 Lab File: VL042016.D
 Acq: 14 Feb 2025 12:54

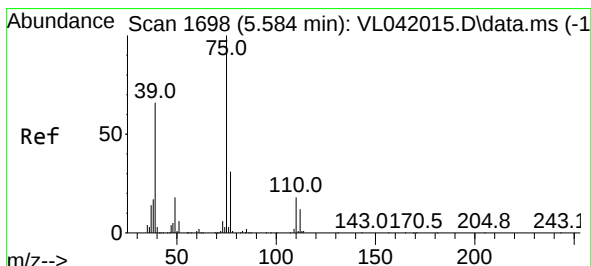
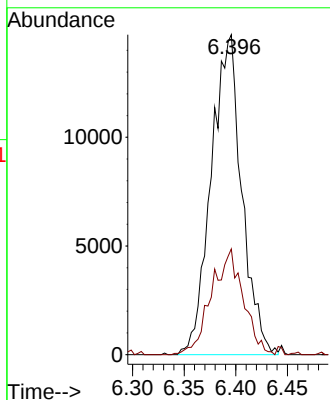
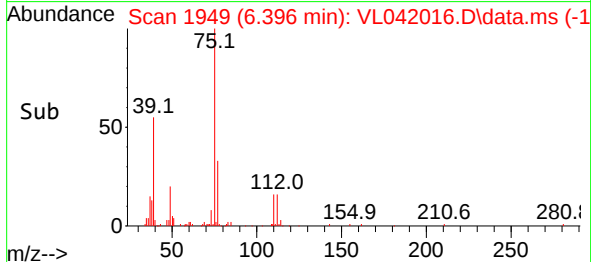
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002



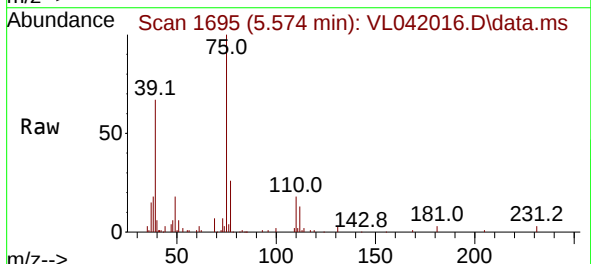
Tgt Ion: 75 Resp: 3044
 Ion Ratio Lower Upper
 75 100
 77 33.0 22.1 33.1

Manual Integrations
 APPROVED

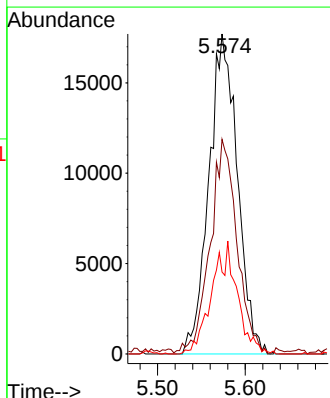
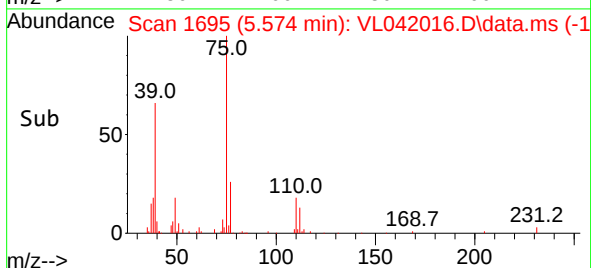
Reviewed By :Semsettin Yesilyurt 02/17/2025
 Supervised By :Mahesh Dadoda 02/17/2025

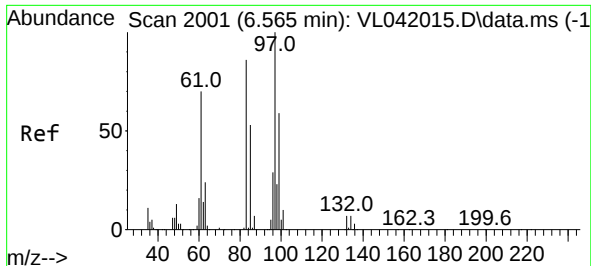


#46
 cis-1,3-Dichloropropene
 Concen: 2.069 ppbv m
 RT: 5.574 min Scan# 1695
 Delta R.T. -0.010 min
 Lab File: VL042016.D
 Acq: 14 Feb 2025 12:54



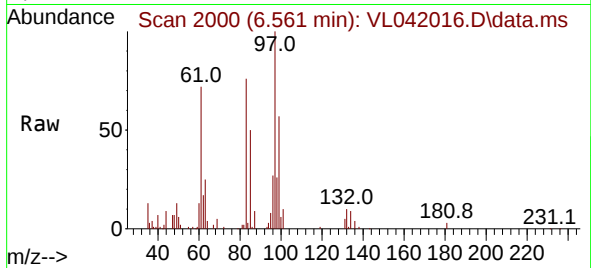
Tgt Ion: 75 Resp: 39932
 Ion Ratio Lower Upper
 75 100
 39 67.1 52.2 78.4
 77 25.6 24.5 36.7





#47
1,1,2-Trichloroethane
Concen: 2.010 ppbv m
RT: 6.561 min Scan# 2000
Delta R.T. -0.004 min
Lab File: VL042016.D
Acq: 14 Feb 2025 12:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

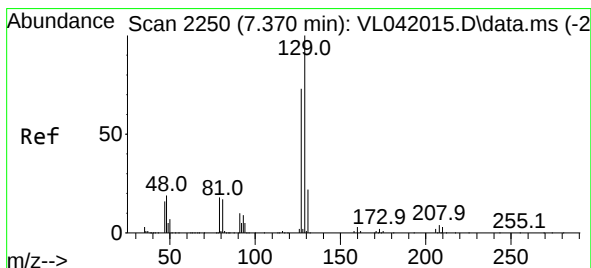
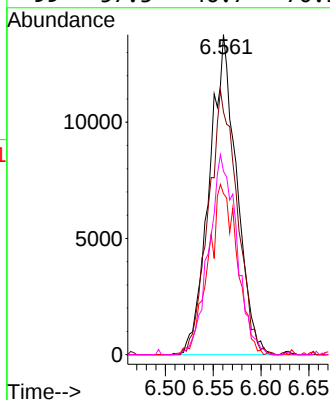
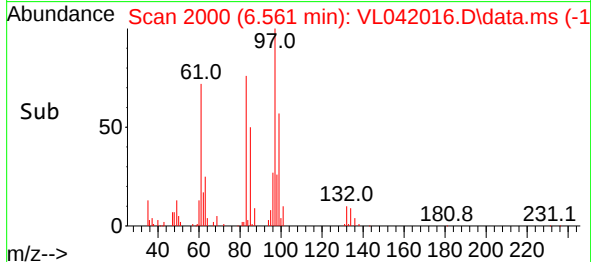


Tgt Ion: 97 Resp: 2741

Ion	Ratio	Lower	Upper
97	100		
83	75.9	68.6	102.8
85	50.3	42.2	63.4
99	57.3	46.7	70.1

Manual Integrations
APPROVED

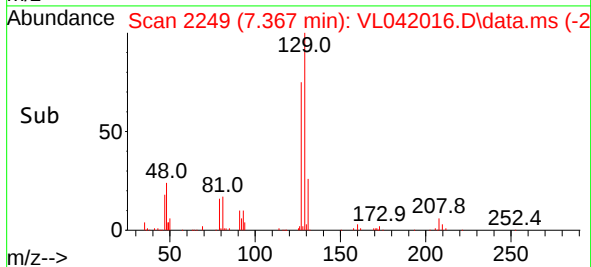
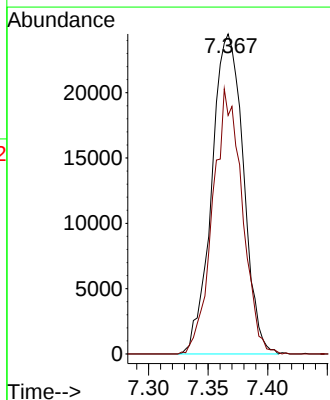
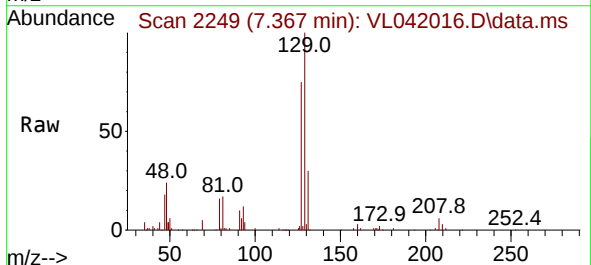
Reviewed By :Semsettin Yesilyurt 02/17/2025
Supervised By :Mahesh Dadoda 02/17/2025

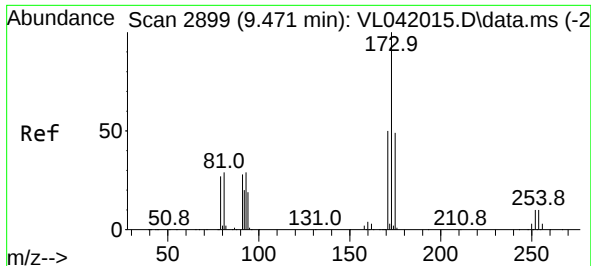


#48
Dibromochloromethane
Concen: 1.994 ppbv
RT: 7.367 min Scan# 2249
Delta R.T. -0.004 min
Lab File: VL042016.D
Acq: 14 Feb 2025 12:54

Tgt Ion:129 Resp: 45191

Ion	Ratio	Lower	Upper
129	100		
127	77.3	38.2	114.6





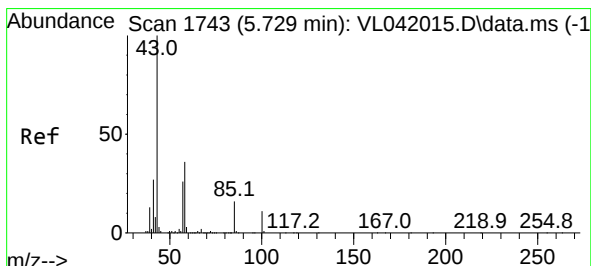
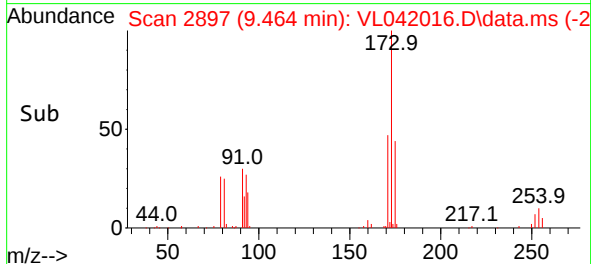
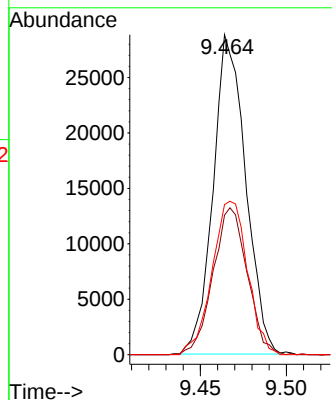
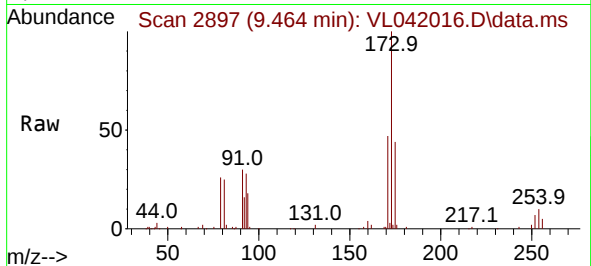
#49
Bromoform
Concen: 2.020 ppbv
RT: 9.464 min Scan# 21
Delta R.T. -0.007 min
Lab File: VL042016.D
Acq: 14 Feb 2025 12:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:173 Resp: 37852
Ion Ratio Lower Upper
173 100
175 48.5 39.3 58.9
171 52.4 41.4 62.2

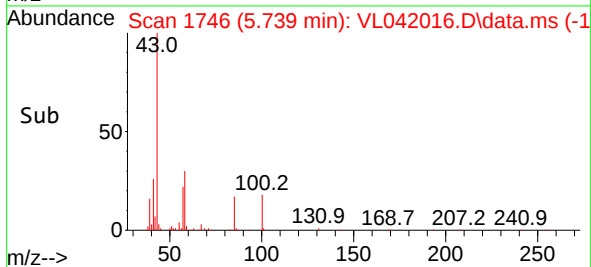
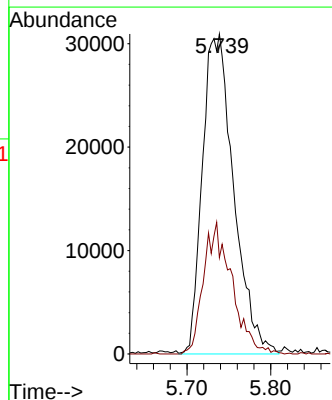
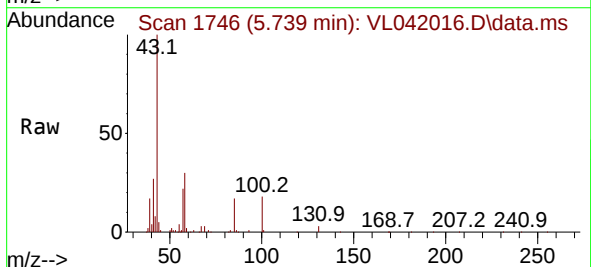
Manual Integrations
APPROVED

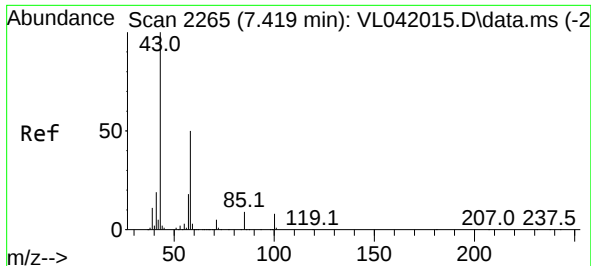
Reviewed By :Semsettin Yesilyurt 02/17/2025
Supervised By :Mahesh Dadoda 02/17/2025



#50
4-Methyl-2-Pentanone
Concen: 2.054 ppbv m
RT: 5.739 min Scan# 1746
Delta R.T. 0.009 min
Lab File: VL042016.D
Acq: 14 Feb 2025 12:54

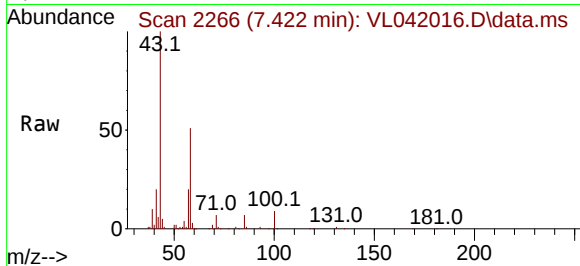
Tgt Ion: 43 Resp: 80149
Ion Ratio Lower Upper
43 100
58 0.0 29.4 44.0#





#51
2-Hexanone
Concen: 2.063 ppbv
RT: 7.422 min Scan# 2109
Delta R.T. 0.003 min
Lab File: VL042016.D
Acq: 14 Feb 2025 12:54

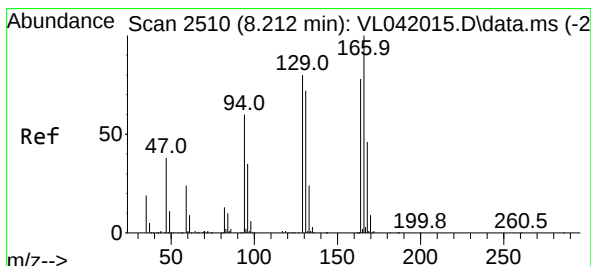
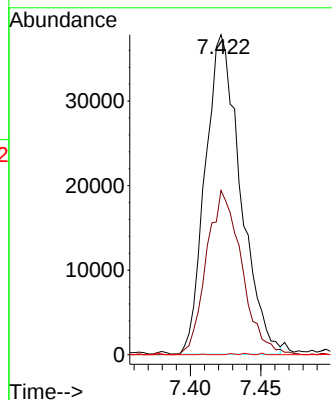
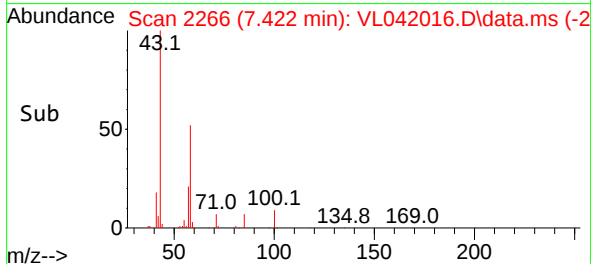
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002



Tgt Ion: 43 Resp: 6598
Ion Ratio Lower Upper
43 100
58 51.2 41.4 62.0
98 0.2 0.0 0.0

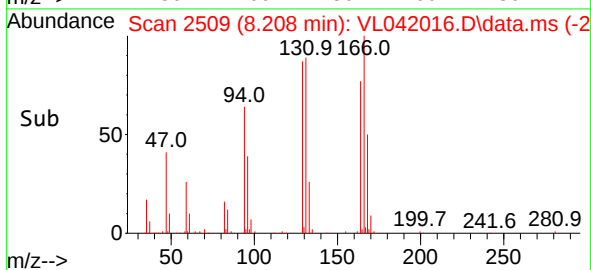
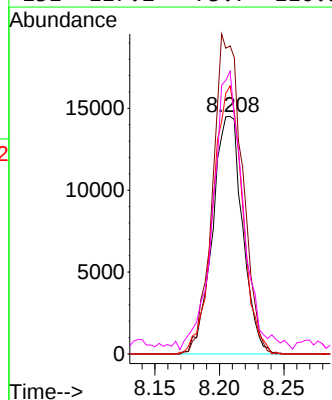
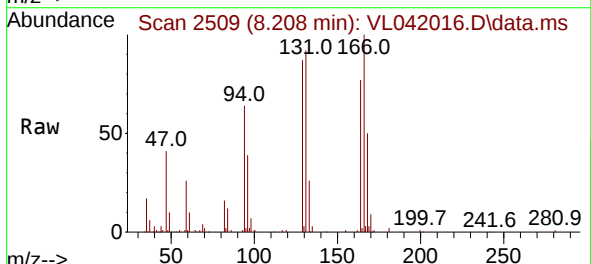
Manual Integrations
APPROVED

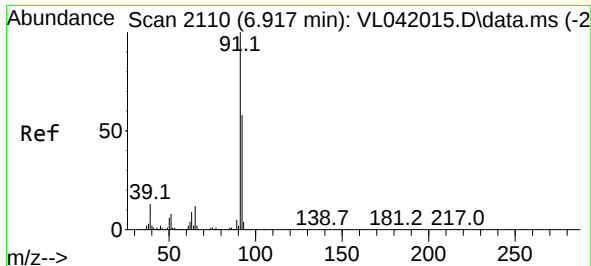
Reviewed By :Semsettin Yesilyurt 02/17/2025
Supervised By :Mahesh Dadoda 02/17/2025



#52
Tetrachloroethene
Concen: 1.898 ppbv
RT: 8.208 min Scan# 2509
Delta R.T. -0.004 min
Lab File: VL042016.D
Acq: 14 Feb 2025 12:54

Tgt Ion:164 Resp: 23428
Ion Ratio Lower Upper
164 100
166 129.7 102.2 153.2
129 112.9 82.2 123.4
131 117.2 73.7 110.5#





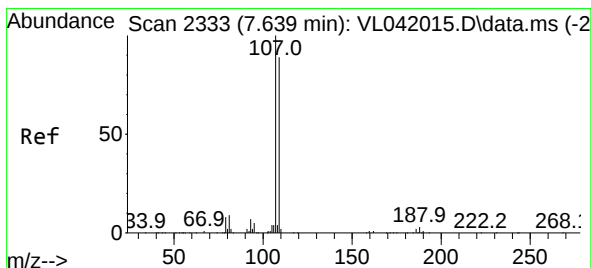
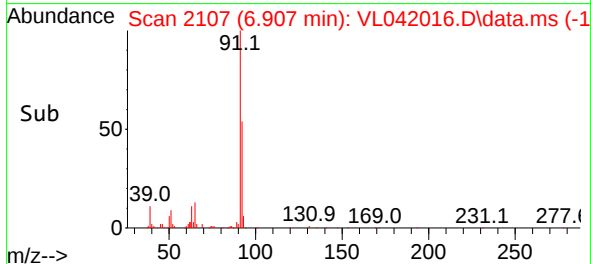
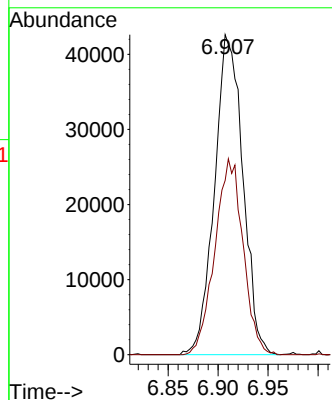
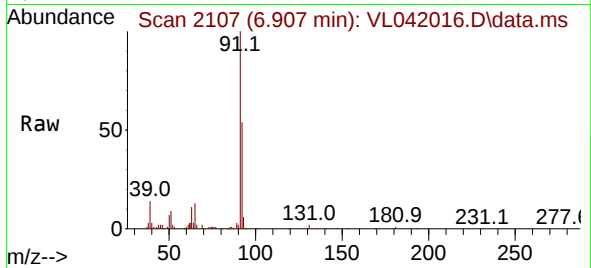
#53
Toluene
Concen: 2.011 ppbv
RT: 6.907 min Scan# 2110
Delta R.T. -0.010 min
Lab File: VL042016.D
Acq: 14 Feb 2025 12:54

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion: 91 Resp: 84140
Ion Ratio Lower Upper
91 100
92 60.8 47.5 71.3

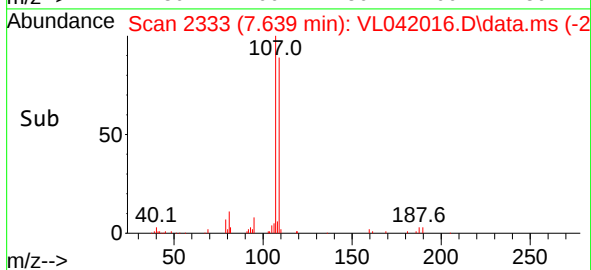
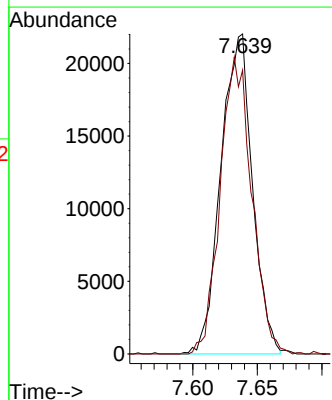
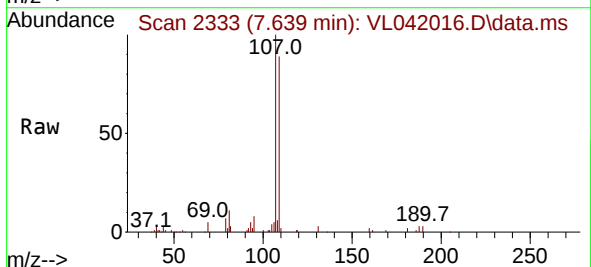
Manual Integrations
APPROVED

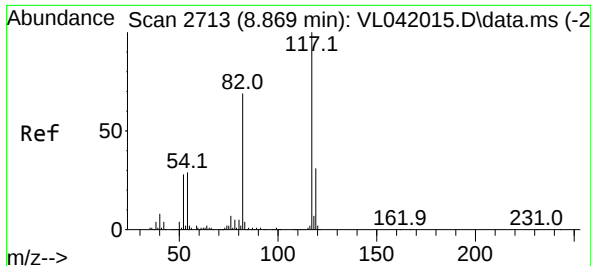
Reviewed By :Semsettin Yesilyurt 02/17/2025
Supervised By :Mahesh Dadoda 02/17/2025



#54
1,2-Dibromoethane
Concen: 1.969 ppbv
RT: 7.639 min Scan# 2333
Delta R.T. -0.001 min
Lab File: VL042016.D
Acq: 14 Feb 2025 12:54

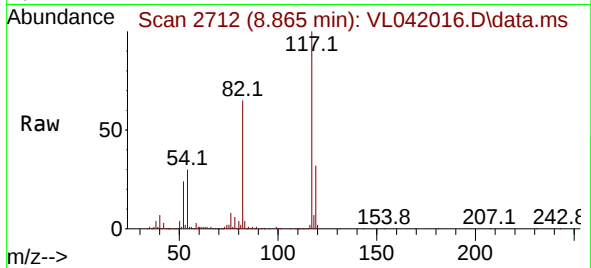
Tgt Ion:107 Resp: 37468
Ion Ratio Lower Upper
107 100
109 88.6 71.5 107.3





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.865 min Scan# 2713
Delta R.T. -0.004 min
Lab File: VL042016.D
Acq: 14 Feb 2025 12:54

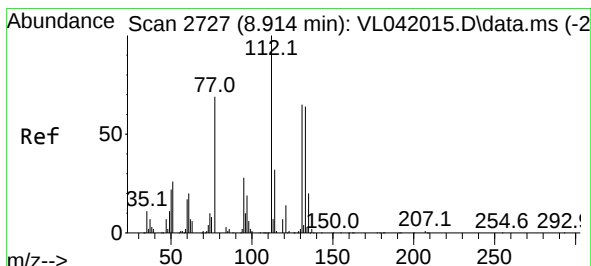
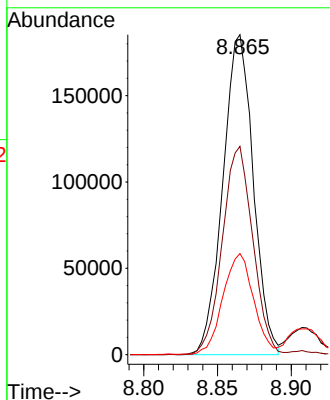
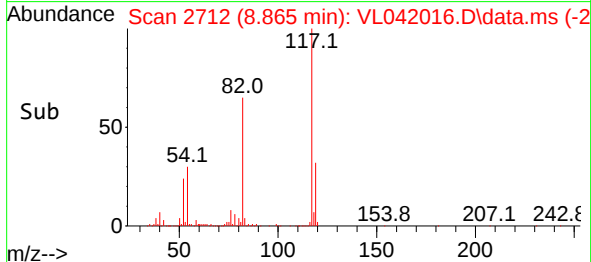
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002



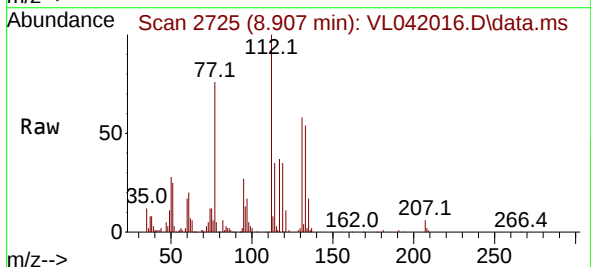
Tgt Ion:117 Resp: 265939
Ion Ratio Lower Upper
117 100
82 66.2 55.7 83.5
119 31.9 25.2 37.8

Manual Integrations
APPROVED

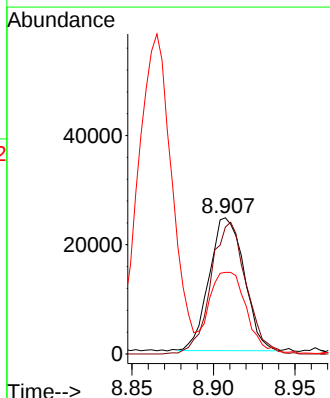
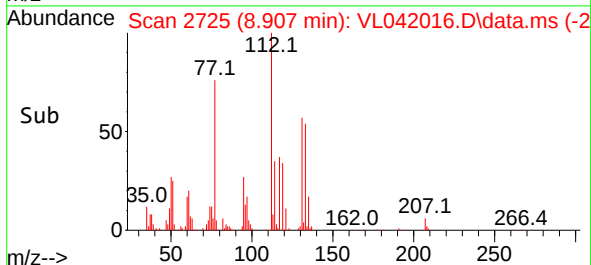
Reviewed By :Semsettin Yesilyurt 02/17/2025
Supervised By :Mahesh Dadoda 02/17/2025

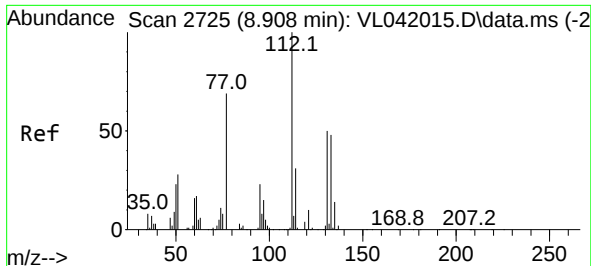


#56
1,1,1,2-Tetrachloroethane
Concen: 1.915 ppbv
RT: 8.907 min Scan# 2725
Delta R.T. -0.007 min
Lab File: VL042016.D
Acq: 14 Feb 2025 12:54



Tgt Ion:131 Resp: 36347
Ion Ratio Lower Upper
131 100
133 99.8 77.8 116.8
119 66.7 49.1 73.7





#57

Chlorobenzene

Concen: 2.031 ppbv

RT: 8.904 min Scan# 21

Delta R.T. -0.004 min

Lab File: VL042016.D

Acq: 14 Feb 2025 12:54

Instrument :

MSVOA_L

ClientSampleId :

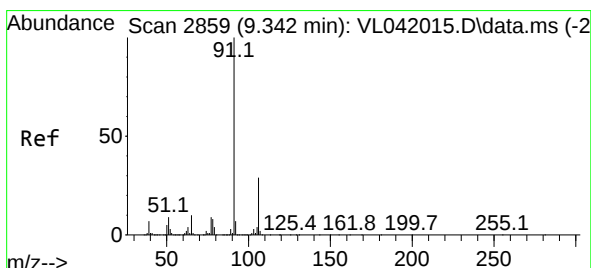
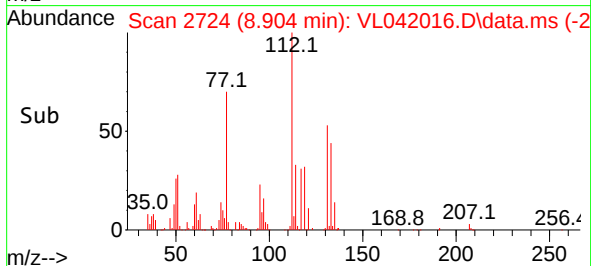
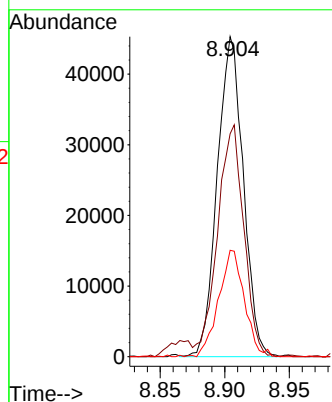
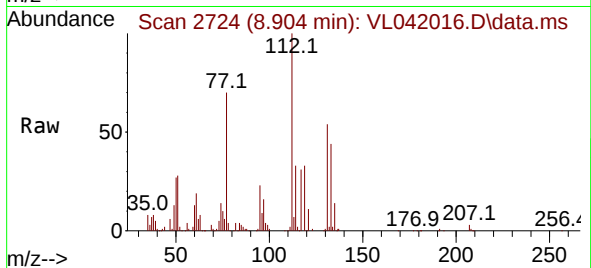
VSTDICC002

Tgt Ion:112	Resp: 6352
Ion Ratio	Lower Upper
112 100	
77 69.4	56.2 84.2
114 33.2	28.2 34.4

Manual Integrations

APPROVED

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



#58

Ethyl Benzene

Concen: 2.013 ppbv

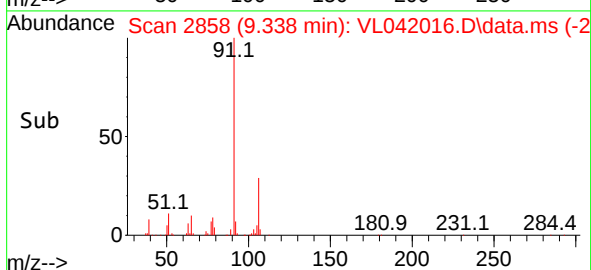
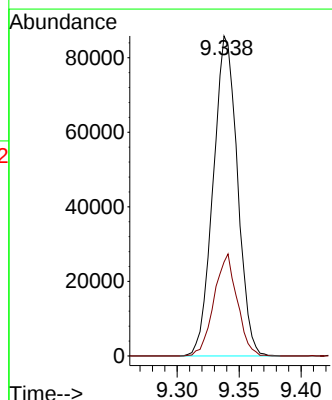
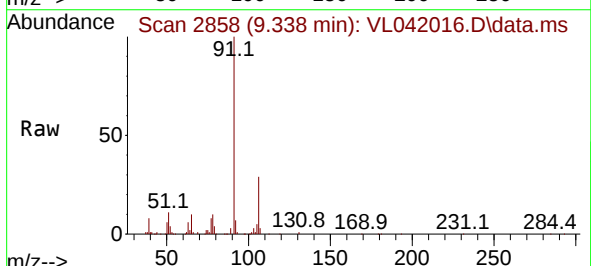
RT: 9.338 min Scan# 2858

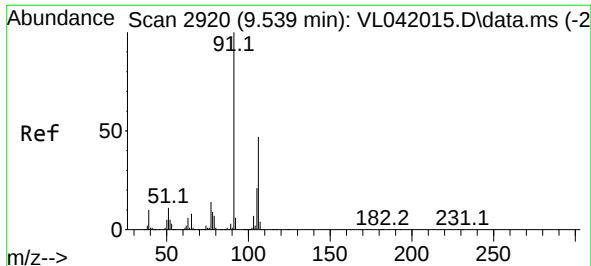
Delta R.T. -0.004 min

Lab File: VL042016.D

Acq: 14 Feb 2025 12:54

Tgt Ion: 91	Resp: 117160
Ion Ratio	Lower Upper
91 100	
106 29.4	23.1 34.7





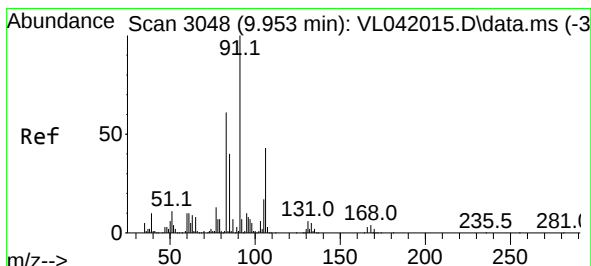
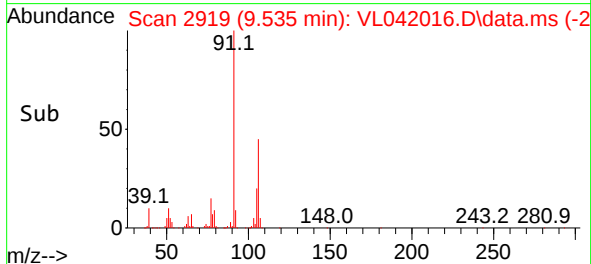
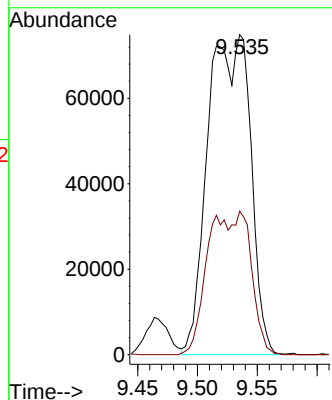
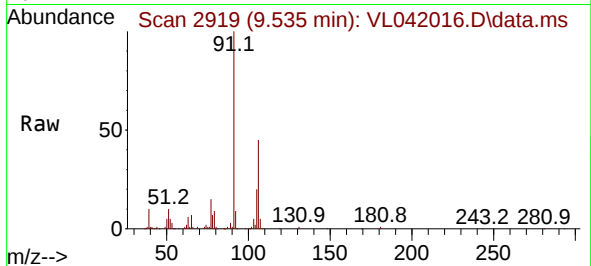
#59
m/p-Xylene
Concen: 4.065 ppbv m
RT: 9.535 min Scan# 2919
Delta R.T. -0.004 min
Lab File: VL042016.D
Acq: 14 Feb 2025 12:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 91 Resp: 186504
Ion Ratio Lower Upper
91 100
106 45.1 35.8 53.8

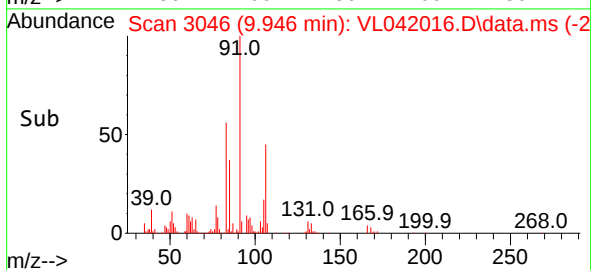
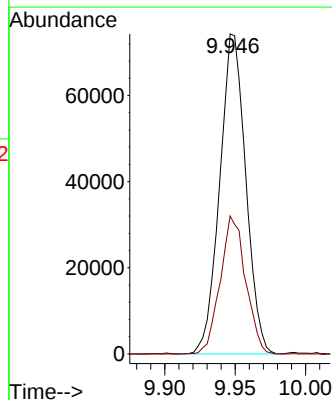
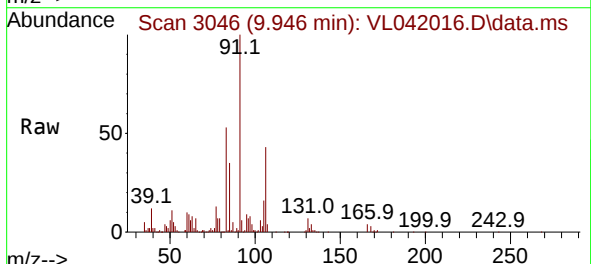
Manual Integrations
APPROVED

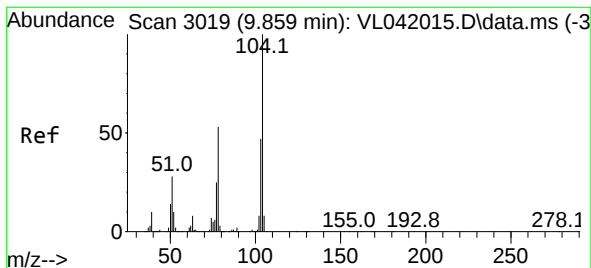
Reviewed By :Semsettin Yesilyurt 02/17/2025
Supervised By :Mahesh Dadoda 02/17/2025



#60
o-Xylene
Concen: 2.066 ppbv
RT: 9.946 min Scan# 3046
Delta R.T. -0.007 min
Lab File: VL042016.D
Acq: 14 Feb 2025 12:54

Tgt Ion: 91 Resp: 95782
Ion Ratio Lower Upper
91 100
106 42.0 21.4 64.3





#61

Styrene

Concen: 2.029 ppbv

RT: 9.852 min Scan# 3019

Delta R.T. -0.007 min

Lab File: VL042016.D

Acq: 14 Feb 2025 12:54

Instrument :

MSVOA_L

ClientSampleId :

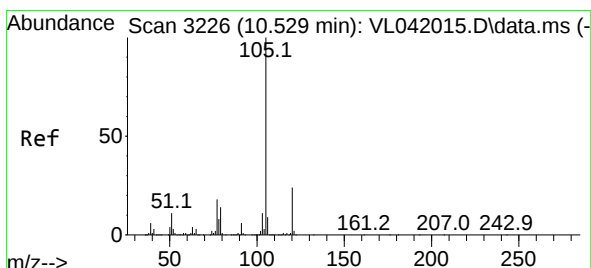
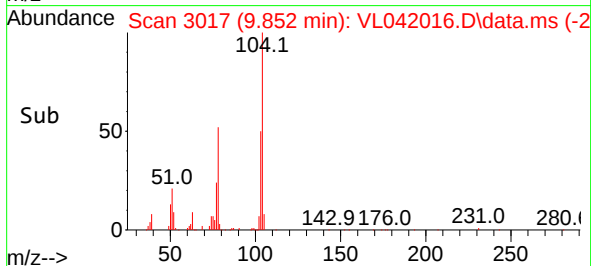
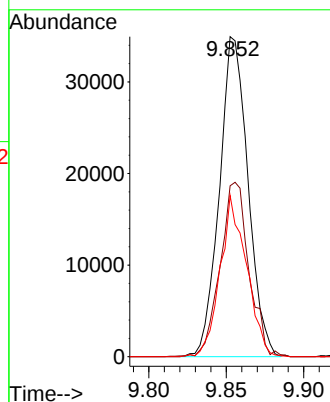
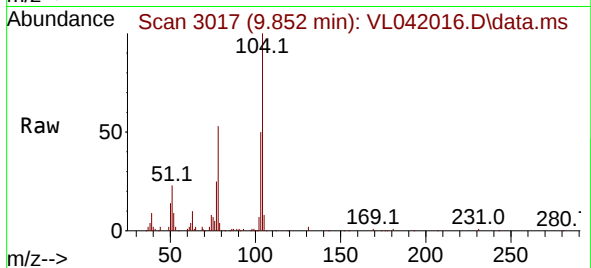
VSTDIC002

Tgt Ion:104 Resp: 44870
 Ion Ratio Lower Upper
 104 100
 78 54.8 42.2 63.4
 103 46.5 38.1 57.1

Manual Integrations

APPROVED

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



#62

Isopropylbenzene

Concen: 2.097 ppbv

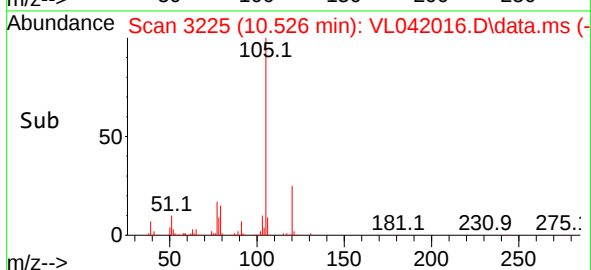
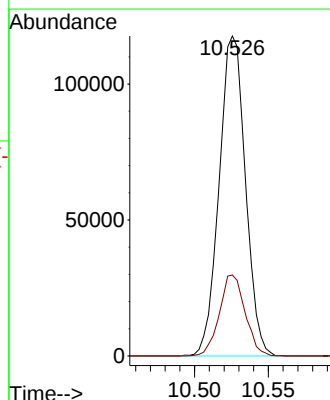
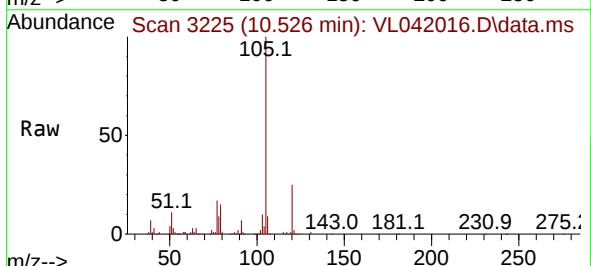
RT: 10.526 min Scan# 3225

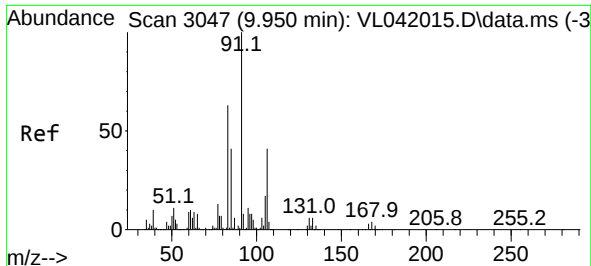
Delta R.T. -0.004 min

Lab File: VL042016.D

Acq: 14 Feb 2025 12:54

Tgt Ion:105 Resp: 145953
 Ion Ratio Lower Upper
 105 100
 120 24.7 19.8 29.8





#63

1,1,2,2-Tetrachloroethane

Concen: 1.874 ppbv

RT: 9.950 min Scan# 3047

Delta R.T. -0.001 min

Lab File: VL042016.D

Acq: 14 Feb 2025 12:54

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tgt Ion: 83 Resp: 5606

Ion Ratio Lower Upper

83 100

131 14.2 5.0 15.0

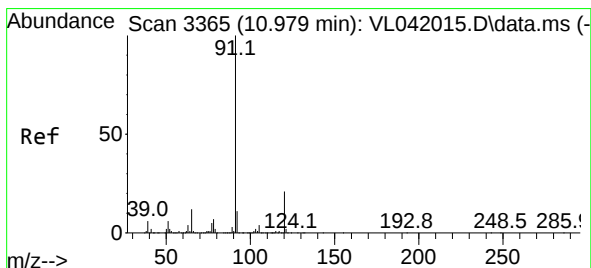
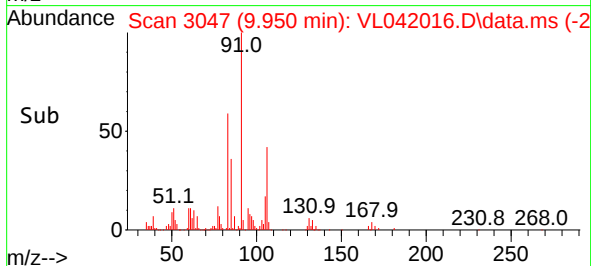
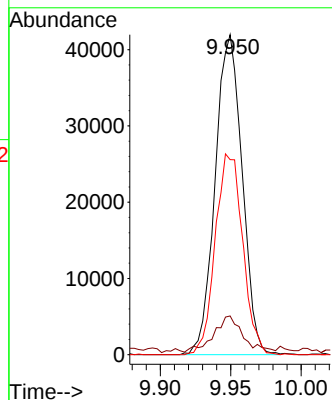
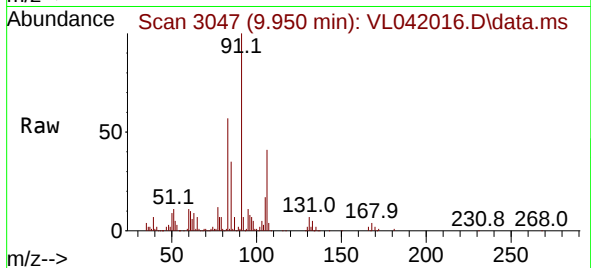
85 63.9 32.1 96.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/17/2025

Supervised By :Mahesh Dadoda 02/17/2025



#64

n-propylbenzene

Concen: 2.039 ppbv

RT: 10.979 min Scan# 3365

Delta R.T. -0.001 min

Lab File: VL042016.D

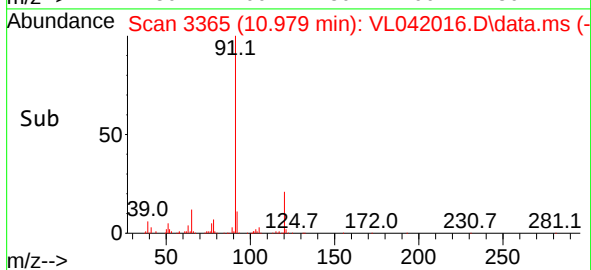
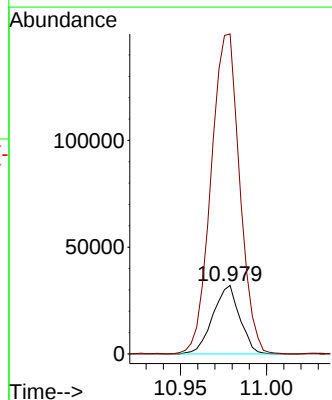
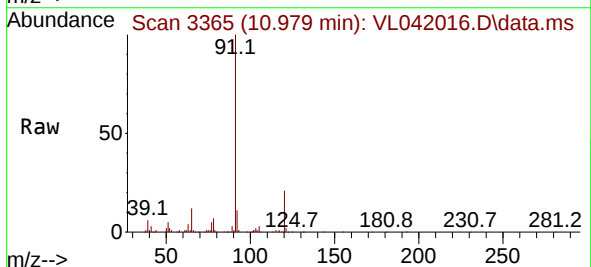
Acq: 14 Feb 2025 12:54

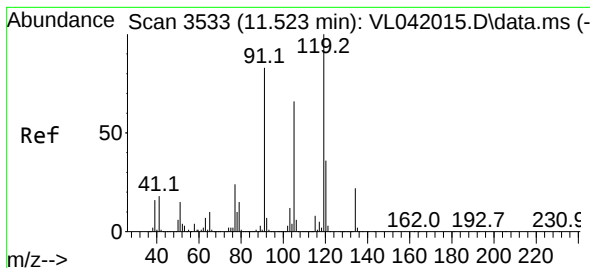
Tgt Ion:120 Resp: 34873

Ion Ratio Lower Upper

120 100

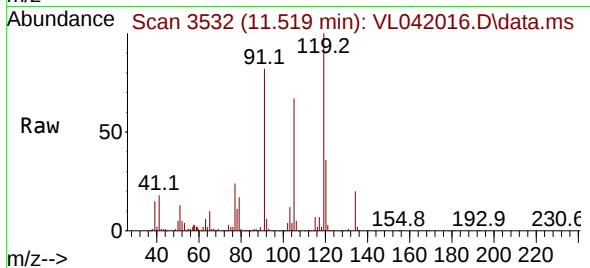
91 498.2 392.2 588.2





#65
tert-Butylbenzene
Concen: 2.100 ppbv
RT: 11.519 min Scan# 3532
Delta R.T. -0.004 min
Lab File: VL042016.D
Acq: 14 Feb 2025 12:54

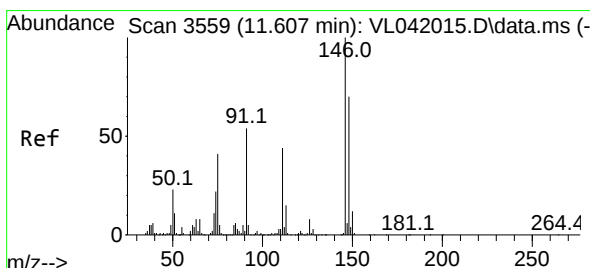
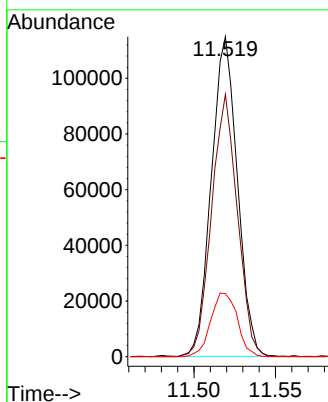
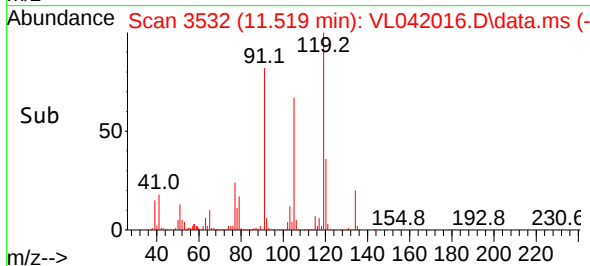
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002



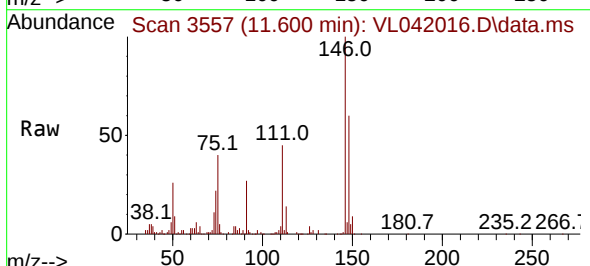
Tgt Ion:119 Resp: 127460
Ion Ratio Lower Upper
119 100
91 81.3 66.5 99.7
134 20.4 16.6 24.8

Manual Integrations
APPROVED

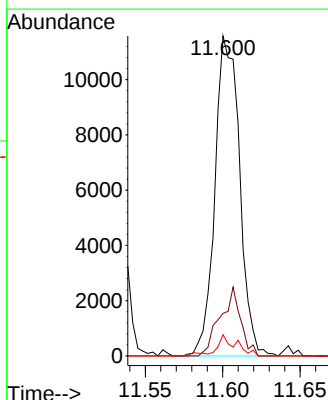
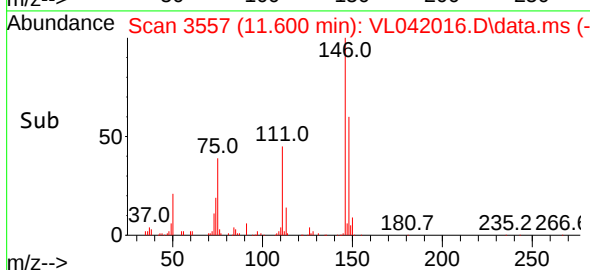
Reviewed By :Semsettin Yesilyurt 02/17/2025
Supervised By :Mahesh Dadoda 02/17/2025

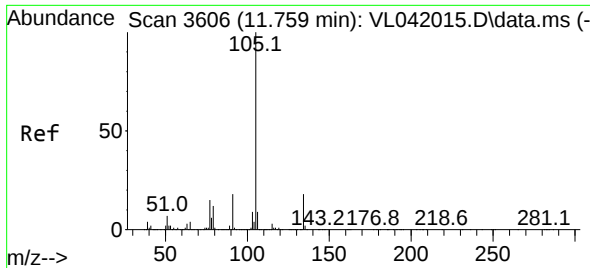


#66
Benzyl Chloride
Concen: 2.091 ppbv
RT: 11.600 min Scan# 3557
Delta R.T. -0.007 min
Lab File: VL042016.D
Acq: 14 Feb 2025 12:54



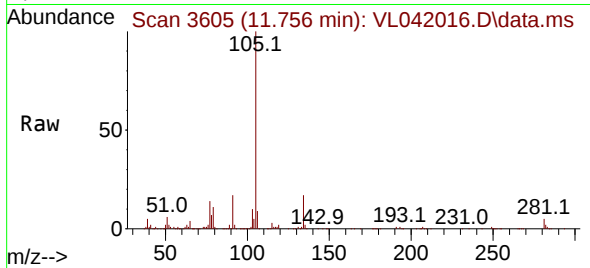
Tgt Ion: 91 Resp: 12799
Ion Ratio Lower Upper
91 100
126 18.0 13.8 20.6
128 5.3 4.1 6.1





#67
 sec-Butylbenzene
 Concen: 2.078 ppbv
 RT: 11.756 min Scan# 3605
 Delta R.T. -0.004 min
 Lab File: VL042016.D
 Acq: 14 Feb 2025 12:54

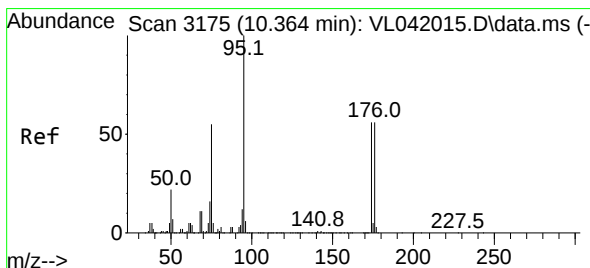
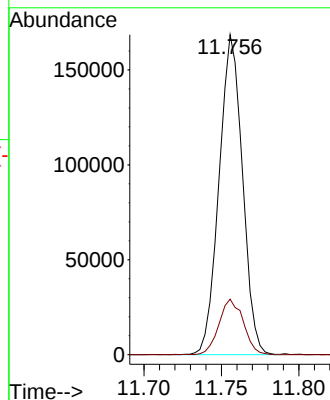
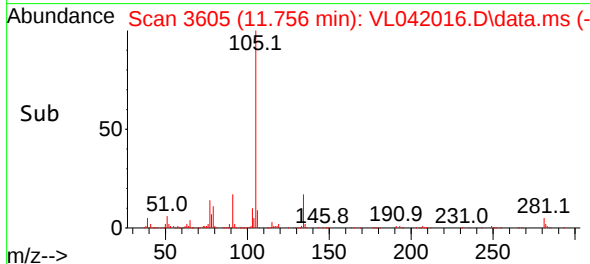
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002



Tgt Ion: 105 Resp: 177152
 Ion Ratio Lower Upper
 105 100
 134 18.1 14.7 22.1

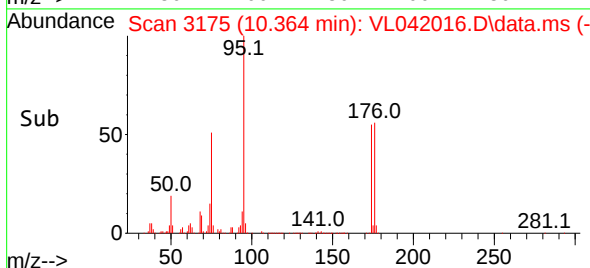
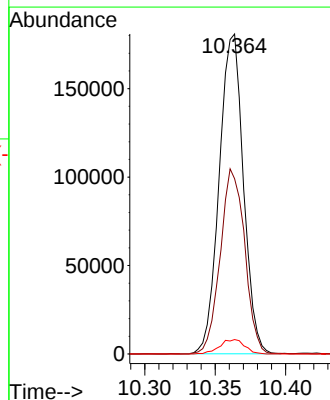
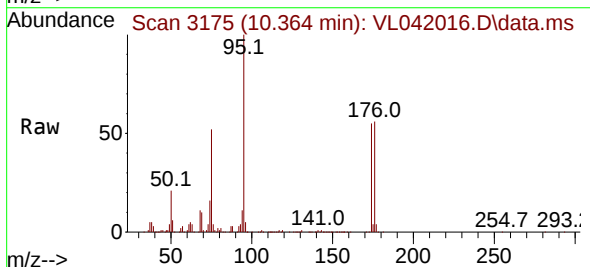
Manual Integrations
 APPROVED

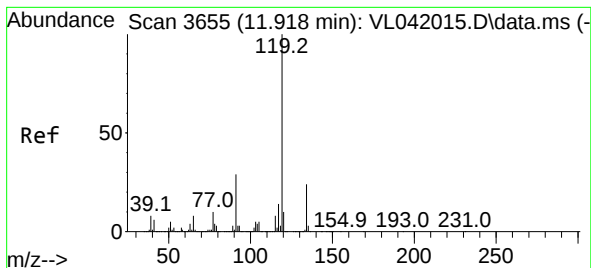
Reviewed By :Semsettin Yesilyurt 02/17/2025
 Supervised By :Mahesh Dadoda 02/17/2025



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.855 ppbv
 RT: 10.364 min Scan# 3175
 Delta R.T. -0.001 min
 Lab File: VL042016.D
 Acq: 14 Feb 2025 12:54

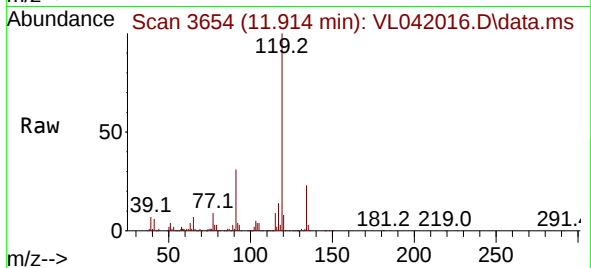
Tgt Ion: 95 Resp: 216186
 Ion Ratio Lower Upper
 95 100
 174 58.6 46.7 70.1
 175 4.7 3.7 5.5





#69
p-Isopropyltoluene
Concen: 2.106 ppbv
RT: 11.914 min Scan# 3654
Delta R.T. -0.004 min
Lab File: VL042016.D
Acq: 14 Feb 2025 12:54

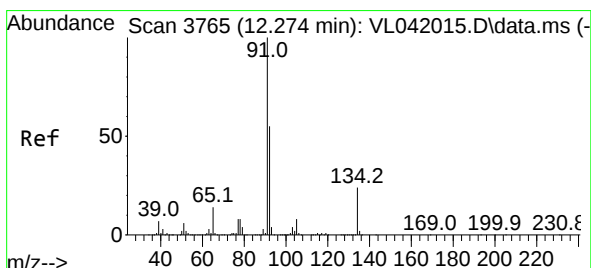
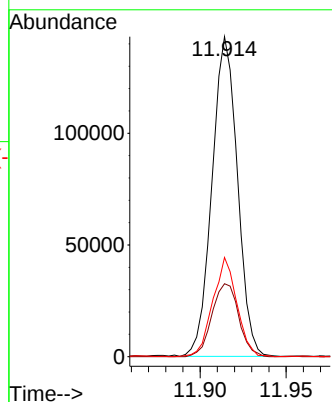
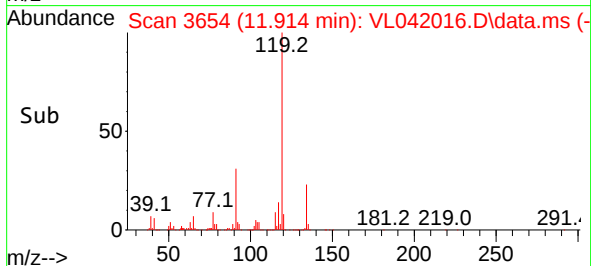
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002



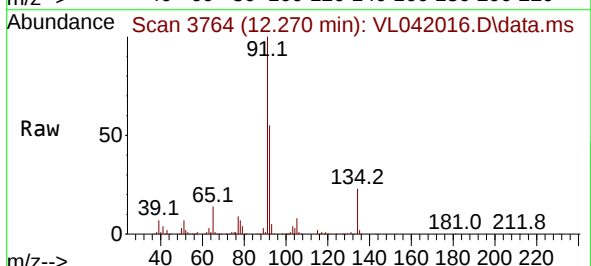
Tgt Ion:119 Resp: 146974
Ion Ratio Lower Upper
119 100
134 24.1 19.4 29.0
91 29.8 23.4 35.2

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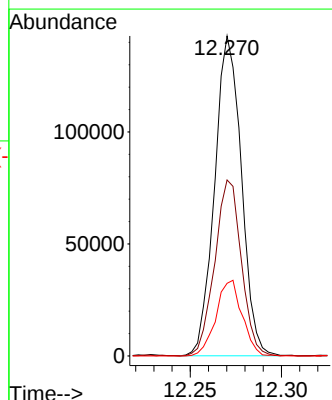
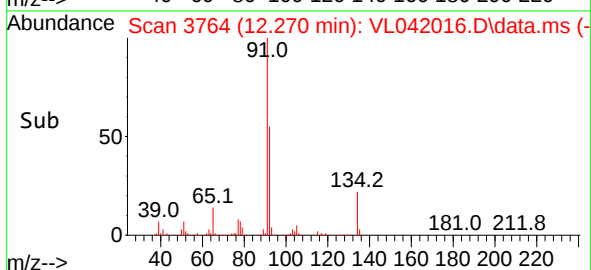
Reviewed By :Semsettin Yesilyurt 02/17/2025
Supervised By :Mahesh Dadoda 02/17/2025

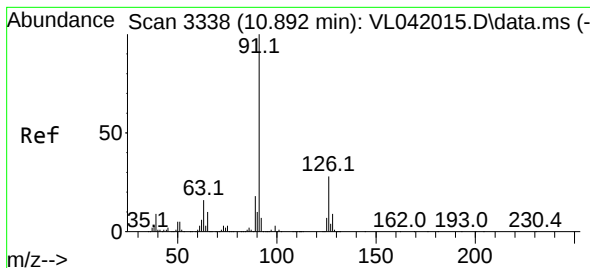


#70
n-Butylbenzene
Concen: 2.117 ppbv
RT: 12.270 min Scan# 3764
Delta R.T. -0.004 min
Lab File: VL042016.D
Acq: 14 Feb 2025 12:54



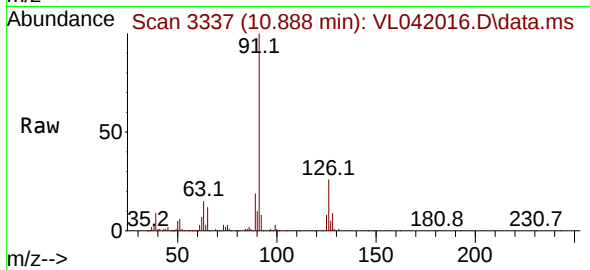
Tgt Ion: 91 Resp: 145476
Ion Ratio Lower Upper
91 100
92 55.2 43.8 65.8
134 23.2 18.6 27.8





#71
2-Chlorotoluene
Concen: 2.045 ppbv
RT: 10.888 min Scan# 31
Delta R.T. -0.004 min
Lab File: VL042016.D
Acq: 14 Feb 2025 12:54

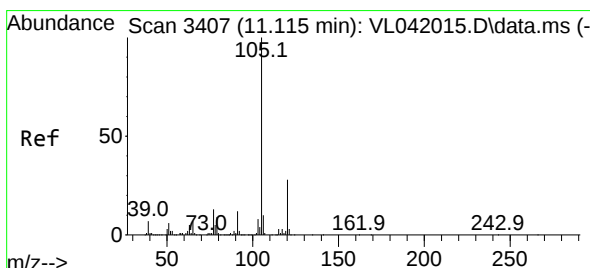
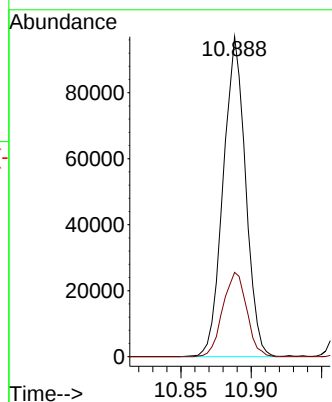
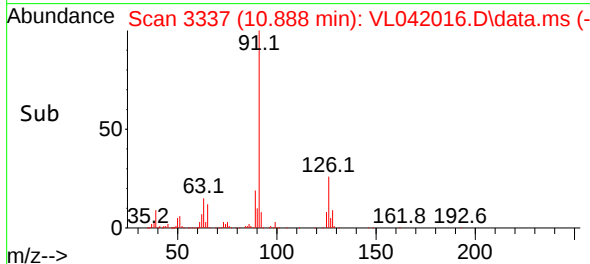
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002



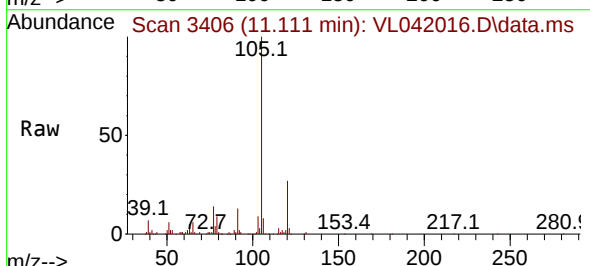
Tgt Ion: 91 Resp: 10721
Ion Ratio Lower Upper
91 100
126 28.1 11.2 45.0

Manual Integrations
APPROVED

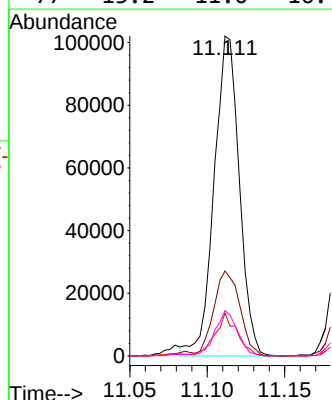
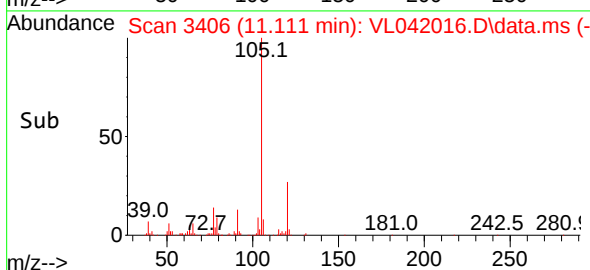
Reviewed By :Semsettin Yesilyurt 02/17/2025
Supervised By :Mahesh Dadoda 02/17/2025

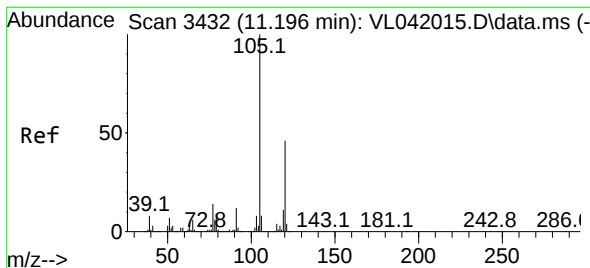


#72
4-Ethyltoluene
Concen: 2.120 ppbv
RT: 11.111 min Scan# 3406
Delta R.T. -0.004 min
Lab File: VL042016.D
Acq: 14 Feb 2025 12:54



Tgt Ion:105 Resp: 115331
Ion Ratio Lower Upper
105 100
120 28.6 22.7 34.1
91 12.4 10.2 15.2
77 13.2 11.0 16.4





#73

1,3,5-Trimethylbenzene

Concen: 2.021 ppbv

RT: 11.192 min Scan# 3432

Delta R.T. -0.004 min

Lab File: VL042016.D

Acq: 14 Feb 2025 12:54

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC002

Tgt Ion:105 Resp: 9469

Ion Ratio Lower Upper

105 100

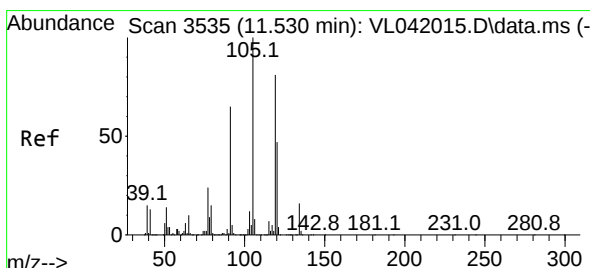
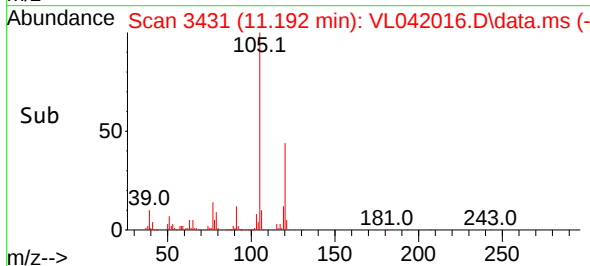
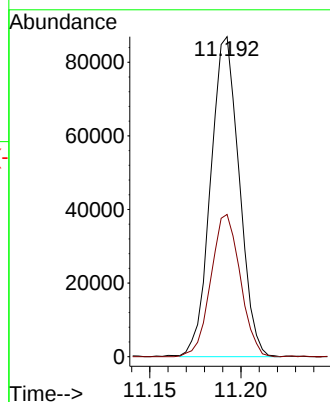
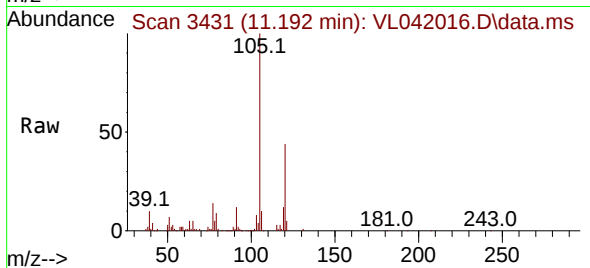
120 44.5 37.1 55.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/17/2025

Supervised By :Mahesh Dadoda 02/17/2025



#74

1,2,4-Trimethylbenzene

Concen: 2.116 ppbv

RT: 11.523 min Scan# 3533

Delta R.T. -0.007 min

Lab File: VL042016.D

Acq: 14 Feb 2025 12:54

Tgt Ion:105 Resp: 106415

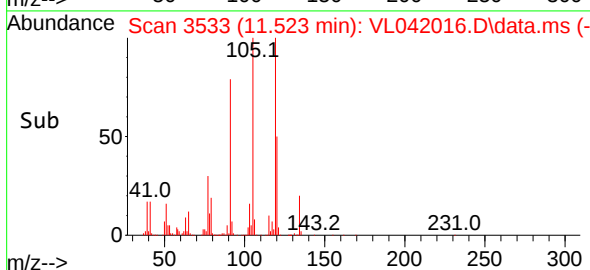
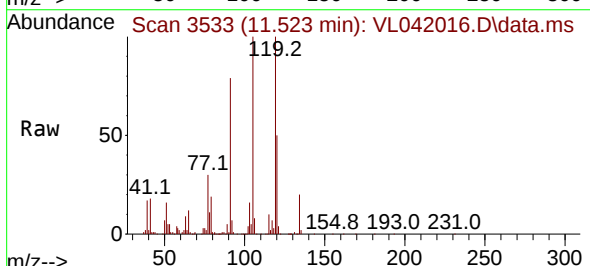
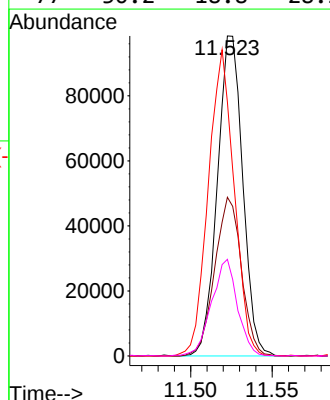
Ion Ratio Lower Upper

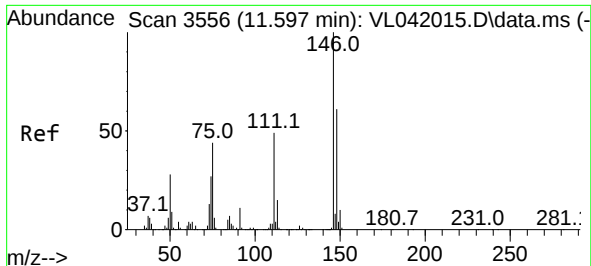
105 100

120 49.6 37.5 56.3

91 79.2 51.7 77.5#

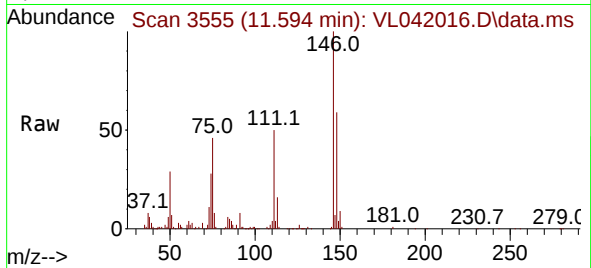
77 30.2 18.8 28.2#





#75
1,3-Dichlorobenzene
Concen: 2.088 ppbv
RT: 11.594 min Scan# 3556
Delta R.T. -0.004 min
Lab File: VL042016.D
Acq: 14 Feb 2025 12:54

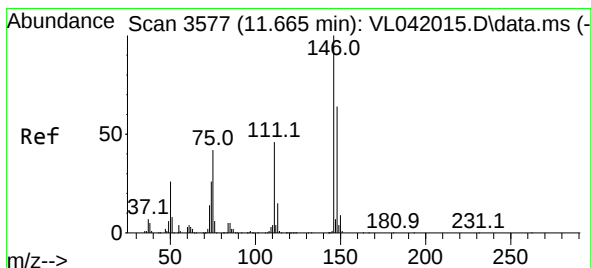
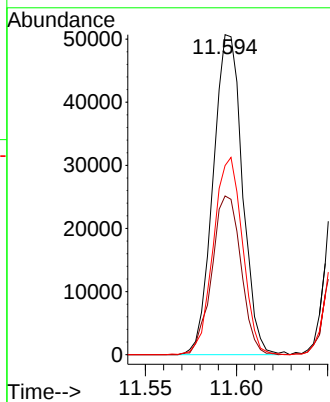
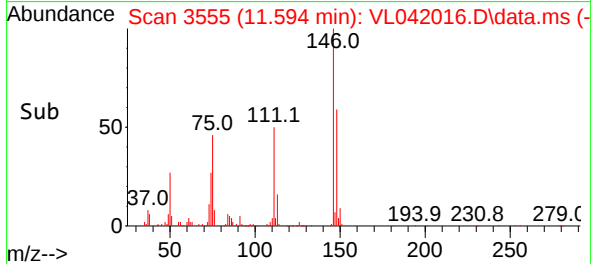
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002



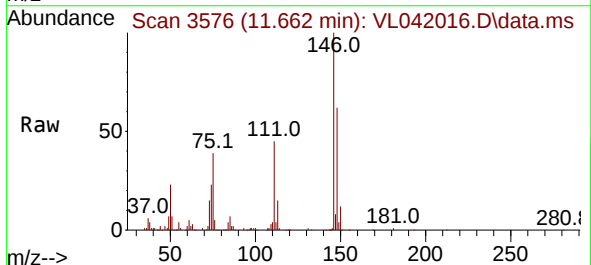
Tgt Ion:146 Resp: 56520
Ion Ratio Lower Upper
146 100
111 49.4 23.9 71.7
148 61.4 31.5 94.5

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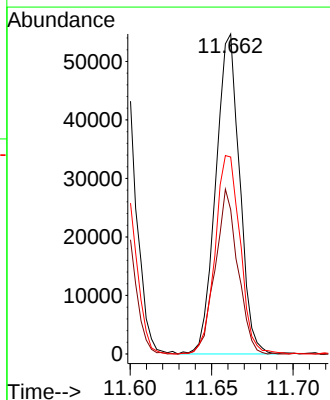
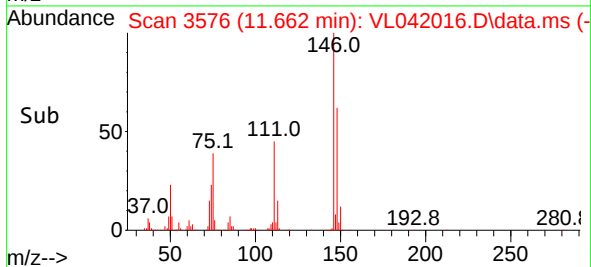
Reviewed By :Semsettin Yesilyurt 02/17/2025
Supervised By :Mahesh Dadoda 02/17/2025

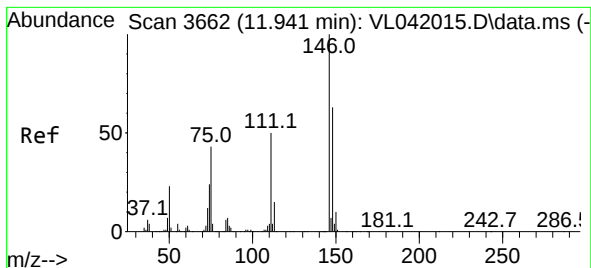


#76
1,4-Dichlorobenzene
Concen: 2.106 ppbv
RT: 11.662 min Scan# 3576
Delta R.T. -0.004 min
Lab File: VL042016.D
Acq: 14 Feb 2025 12:54



Tgt Ion:146 Resp: 55589
Ion Ratio Lower Upper
146 100
111 48.9 23.5 70.5
148 65.3 32.3 96.9





#77

1,2-Dichlorobenzene

Concen: 2.086 ppbv

RT: 11.934 min Scan# 30

Delta R.T. -0.007 min

Lab File: VL042016.D

Acq: 14 Feb 2025 12:54

Instrument :

MSVOA_L

ClientSampleId :

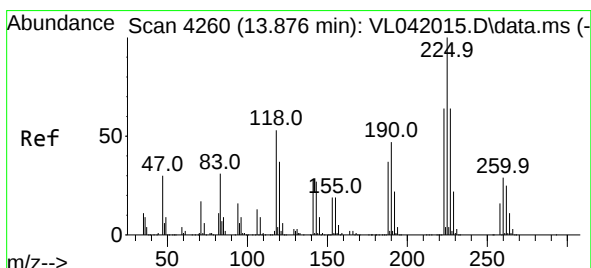
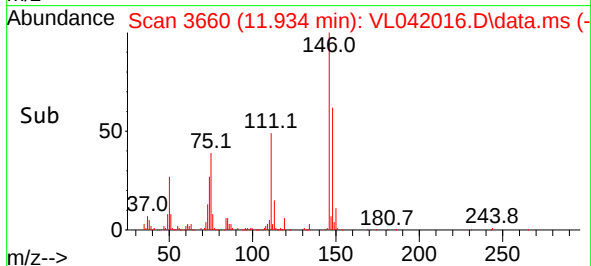
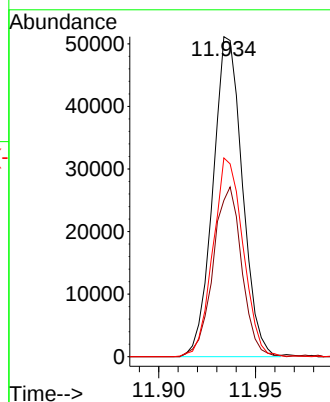
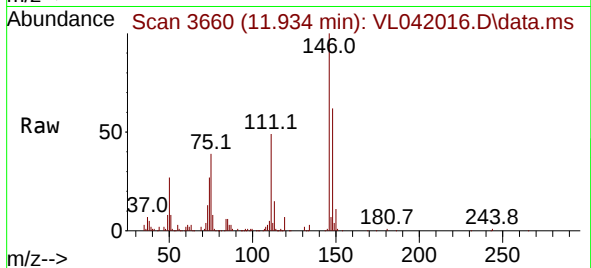
VSTDIC002

Tgt Ion:	146	Resp:	5398
Ion Ratio	Lower	Upper	
146	100		
111	52.1	25.6	76.8
148	63.6	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: 2.209 ppbv

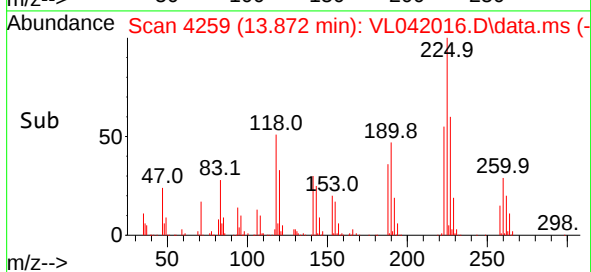
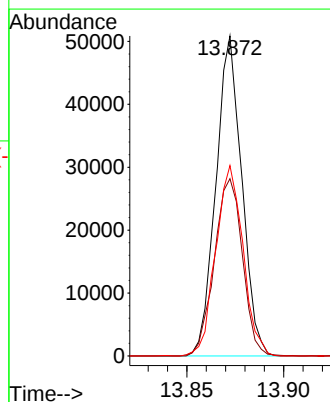
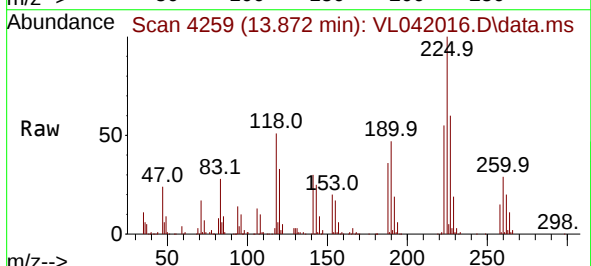
RT: 13.872 min Scan# 4259

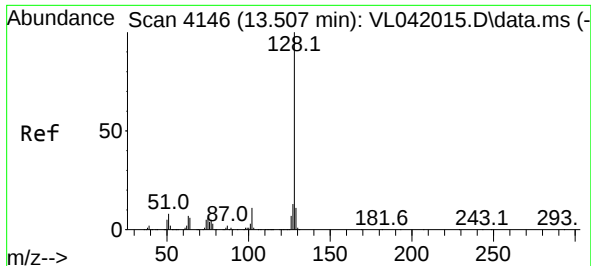
Delta R.T. -0.004 min

Lab File: VL042016.D

Acq: 14 Feb 2025 12:54

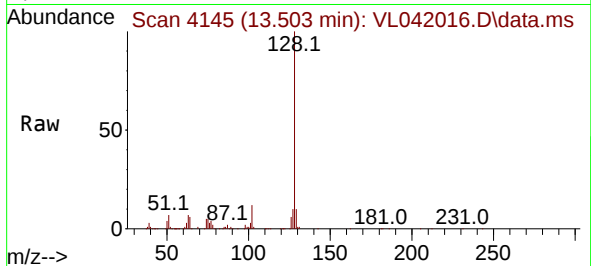
Tgt Ion:	225	Resp:	47301
Ion Ratio	Lower	Upper	
225	100		
223	60.0	50.6	75.8
227	62.7	50.9	76.3





#79
Naphthalene
Concen: 2.437 ppbv
RT: 13.503 min Scan# 4146
Delta R.T. -0.004 min
Lab File: VL042016.D
Acq: 14 Feb 2025 12:54

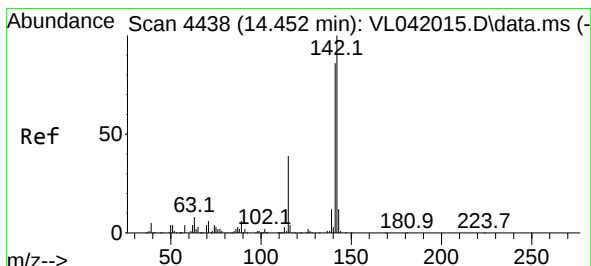
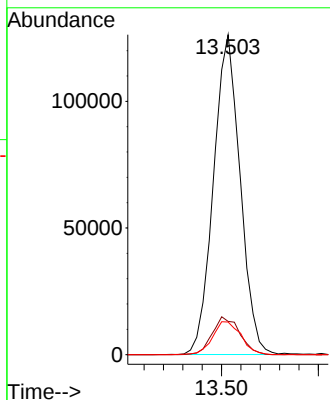
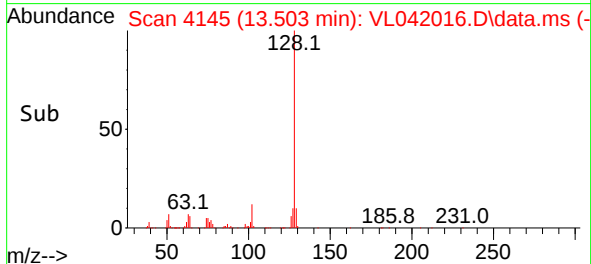
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002



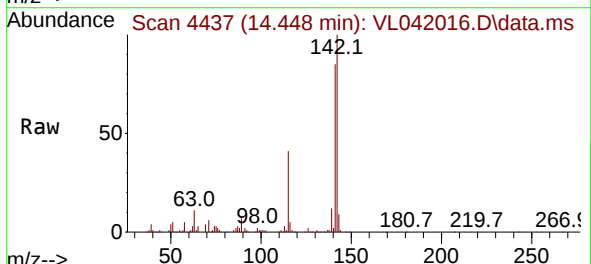
Tgt Ion:128 Resp: 12054
Ion Ratio Lower Upper
128 100
127 10.4 10.2 15.2
129 10.1 8.6 13.0

Manual Integrations
APPROVED

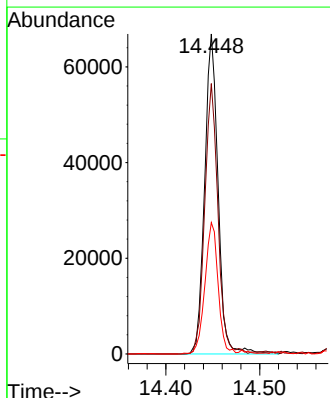
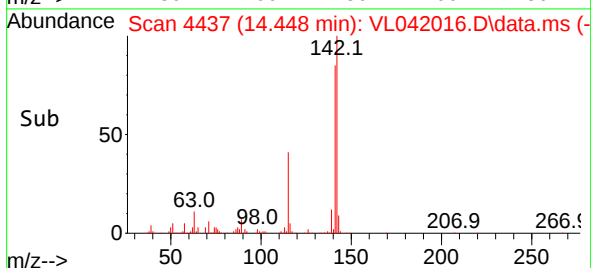
Reviewed By :Semsettin Yesilyurt 02/17/2025
Supervised By :Mahesh Dadoda 02/17/2025

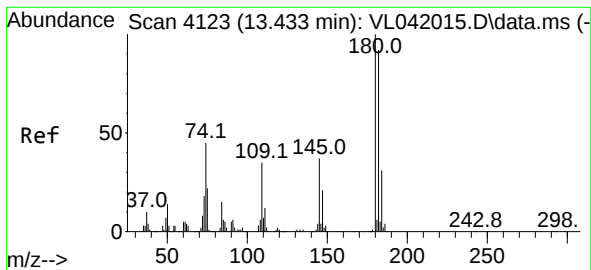


#80
Naphthalene,2-methyl-
Concen: 2.950 ppbv
RT: 14.448 min Scan# 4437
Delta R.T. -0.004 min
Lab File: VL042016.D
Acq: 14 Feb 2025 12:54



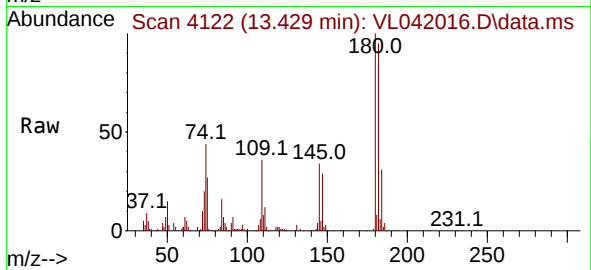
Tgt Ion:142 Resp: 66327
Ion Ratio Lower Upper
142 100
141 84.7 68.2 102.2
115 41.4 33.6 50.4





#81
1,2,4-Trichlorobenzene
Concen: 2.315 ppbv
RT: 13.429 min Scan# 41
Delta R.T. -0.004 min
Lab File: VL042016.D
Acq: 14 Feb 2025 12:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002



Tgt Ion:180 Resp: 46544
Ion Ratio Lower Upper
180 100
182 99.3 75.8 113.6
184 30.9 24.2 36.4

Manual Integrations
APPROVED

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

