

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL093025\
 Data File : VL043021.D
 Acq On : 30 Sep 2025 10:46
 Operator : SY/MD
 Sample : VSTDICC0.5
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC0.5

Quant Time: Sep 30 22:52:47 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL093025AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2
 QLast Update : Tue Sep 30 22:49:34 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 10/01/2025
 Supervised By : Mahesh Dadoda 10/03/2025

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

Internal Standards						
1) Bromochloromethane	2.787	49	144859	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.959	114	452004	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.881	117	395860	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.374	95	303233	10.112	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.100%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.499	85	13089	0.522	ppbv	99
3) Chlorodifluoromethane	1.476	51	14408	0.537	ppbv	100
4) Chloromethane	1.534	50	4896	0.515	ppbv	99
5) Vinyl Chloride	1.580	62	4695	0.509	ppbv	91
6) Bromomethane	1.670	94	1816	0.544	ppbv	92
7) Chloroethane	1.706	64	2119	0.575	ppbv	98
8) Dichlorotetrafluoroethane	1.554	85	11092	0.543	ppbv	97
9) Propene	1.483	41	5353	0.516	ppbv	90
10) Heptane	4.981	43	12559	0.469	ppbv	99
11) Trichlorofluoromethane	1.877	101	13107	0.519	ppbv	98
12) 1,1,2-Trichlorotrifluo...	2.140	101	10313	0.515	ppbv	94
13) Ethanol	1.722	45	1319	1.046	ppbv #	35
14) Bromoethene	1.780	108	3563	0.477	ppbv #	81
15) Acetone	1.835	43	13227	0.640	ppbv	94
16) 1,3-Butadiene	1.609	39	4822	0.551	ppbv	84
17) tert-Butyl alcohol	2.042	59	12353	0.535	ppbv #	94
18) 1,1-Dichloroethene	2.033	96	4870	0.541	ppbv	92
19) Isopropyl Alcohol	1.887	45	7110	0.585	ppbv #	38
20) Methylene Chloride	2.062	84	10844	0.915	ppbv	91
21) Allyl Chloride	2.097	41	7136	0.511	ppbv	86
22) trans-1,2-Dichloroethene	2.340	96	5417	0.531	ppbv	90
23) Vinyl Acetate	2.460	43	14905	0.536	ppbv #	93
24) 1,1-Dichloroethane	2.408	63	9965	0.519	ppbv	96
25) Ethyl Acetate	2.832	43	30656	0.582	ppbv	98
26) Hexane	2.826	57	19954	0.728	ppbv #	75
27) Carbon Disulfide	2.149	76	12790	0.531	ppbv #	1
28) Methyl tert-Butyl Ether	2.441	73	6741	0.503	ppbv	92
29) Chloroform	2.848	83	17528	0.514	ppbv	95
30) Cyclohexane	3.855	84	9082	0.481	ppbv	97
31) cis-1,2-Dichloroethene	2.719	61	11681	0.525	ppbv	94
32) 1,1,1-Trichloroethane	3.366	97	17179	0.497	ppbv	98
34) 2-Butanone	2.557	43	16839	0.529	ppbv	99
35) Carbon Tetrachloride	3.761	117	17919	0.489	ppbv	88
36) Benzene	3.654	78	23565	0.520	ppbv	96
37) 1,2-Dichloroethane	3.214	62	13376	0.517	ppbv	97
38) Trichloroethene	4.548	130	11865	0.512	ppbv	93
39) 1,2-Dichloropropane	4.315	63	8432	0.507	ppbv	92
40) 1,4-Dioxane	4.603	88	3688m	0.519	ppbv	
41) Tetrahydrofuran	3.059	42	8166	0.482	ppbv	99
42) Bromodichloromethane	4.489	83	18250	0.508	ppbv	90
43) Methyl Methacrylate	4.881	69	7616	0.478	ppbv	92
44) 2,2,4-Trimethylpentane	4.638	57	35837	0.480	ppbv	95
45) t-1,3-Dichloropropene	6.415	75	8074	0.446	ppbv #	87

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL093025\
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 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
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Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 10/01/2025
 Supervised By :Mahesh Dadoda 10/03/2025

Quant Time: Sep 30 22:52:47 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL093025AIR.M

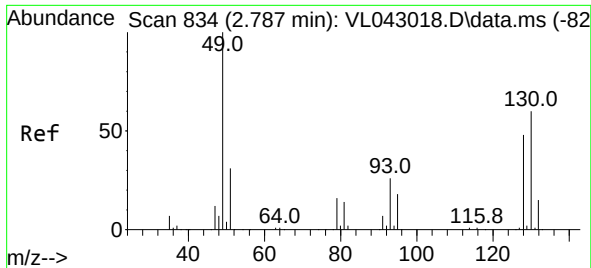
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Tue Sep 30 22:49:34 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.603	75	11296m	0.478	ppbv	
47) 1,1,2-Trichloroethane	6.583	97	9280	0.526	ppbv	89
48) Dibromochloromethane	7.380	129	14716	0.484	ppbv	97
49) Bromoform	9.483	173	12112	0.469	ppbv	97
50) 4-Methyl-2-Pentanone	5.761	43	17711m	0.437	ppbv	
51) 2-Hexanone	7.438	43	12343	0.412	ppbv #	96
52) Tetrachloroethene	8.228	164	8429m	0.467	ppbv	
53) Toluene	6.930	91	23020	0.456	ppbv	96
54) 1,2-Dibromoethane	7.655	107	12116	0.492	ppbv	97
56) 1,1,1,2-Tetrachloroethane	8.924	131	11805	0.526	ppbv #	1
57) Chlorobenzene	8.924	112	21329	0.523	ppbv #	94
58) Ethyl Benzene	9.354	91	29739	0.443	ppbv	99
59) m/p-Xylene	9.551	91	48021m	0.890	ppbv	
60) o-Xylene	9.963	91	23925	0.446	ppbv	99
61) Styrene	9.872	104	9485	0.418	ppbv	98
62) Isopropylbenzene	10.539	105	36770	0.460	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.966	83	14892	0.514	ppbv	99
64) n-propylbenzene	10.989	120	9205	0.442	ppbv	97
65) tert-Butylbenzene	11.529	119	32248	0.446	ppbv	99
66) Benzyl Chloride	11.613	91	2340	0.405	ppbv #	91
67) sec-Butylbenzene	11.765	105	45774	0.454	ppbv	98
69) p-Isopropyltoluene	11.924	119	36087	0.430	ppbv	96
70) n-Butylbenzene	12.280	91	32792	0.404	ppbv	97
71) 2-Chlorotoluene	10.901	91	28122	0.472	ppbv	99
72) 4-Ethyltoluene	11.124	105	27062	0.410	ppbv #	96
73) 1,3,5-Trimethylbenzene	11.202	105	23943	0.430	ppbv	98
74) 1,2,4-Trimethylbenzene	11.536	105	28079	0.447	ppbv	98
75) 1,3-Dichlorobenzene	11.607	146	20274	0.505	ppbv	99
76) 1,4-Dichlorobenzene	11.671	146	19360	0.494	ppbv	95
77) 1,2-Dichlorobenzene	11.943	146	20202	0.515	ppbv	99
78) Hexachloro-1,3-Butadiene	13.879	225	16700	0.533	ppbv	98
79) Naphthalene	13.510	128	17144	0.346	ppbv	98
80) Naphthalene,2-methyl-	14.461	142	3775	0.294	ppbv	94
81) 1,2,4-Trichlorobenzene	13.439	180	10216	0.340	ppbv	94

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



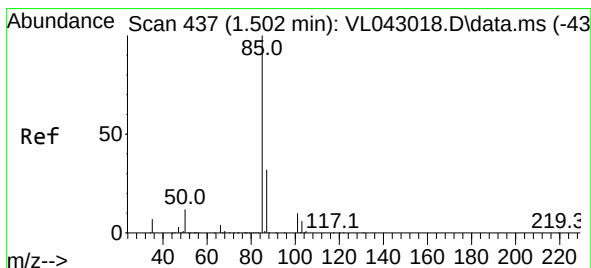
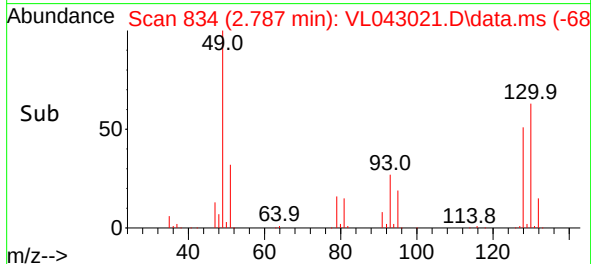
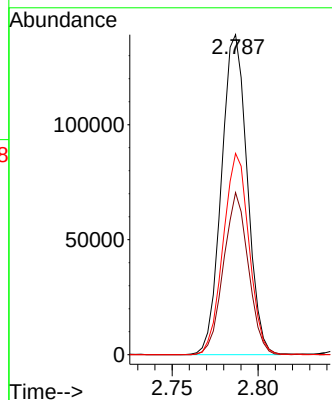
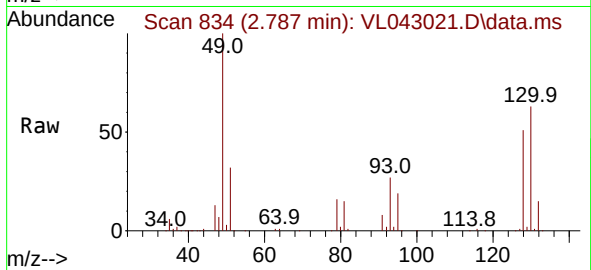
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Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 81
Delta R.T. -0.000 min
Lab File: VL043021.D
Acq: 30 Sep 2025 10:46

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 49 Resp: 144859
Ion Ratio Lower Upper
49 100
128 48.9 25.2 75.6
130 63.1 31.6 94.7

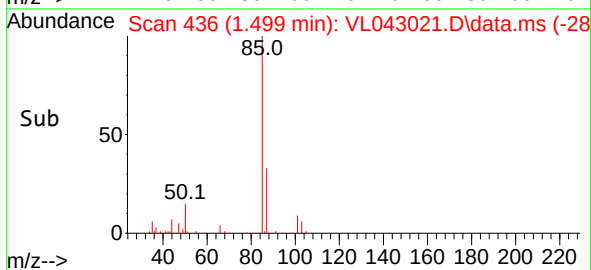
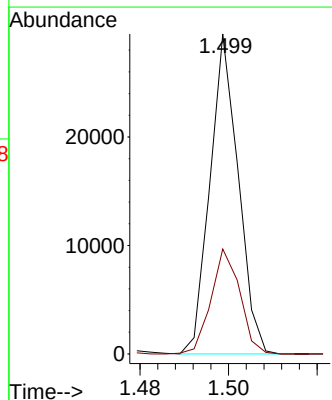
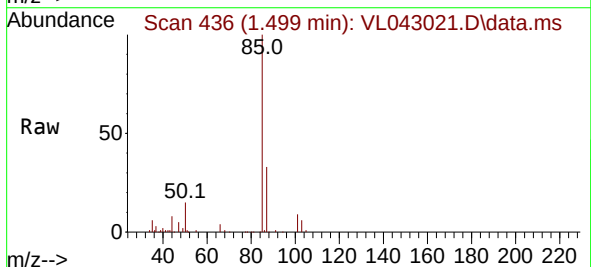
Manual Integrations
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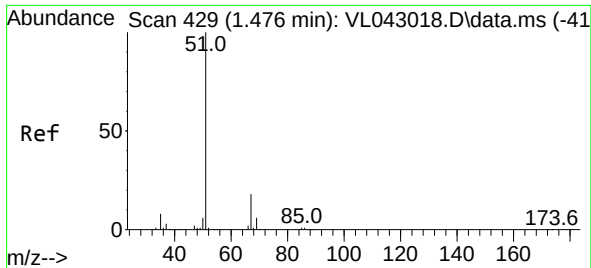
Reviewed By :Semsettin Yesilyurt 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025



#2
Dichlorodifluoromethane
Concen: 0.522 ppbv
RT: 1.499 min Scan# 436
Delta R.T. -0.003 min
Lab File: VL043021.D
Acq: 30 Sep 2025 10:46

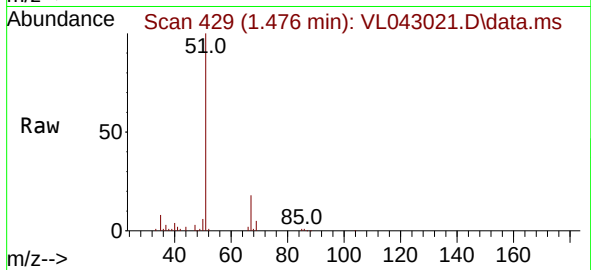
Tgt Ion: 85 Resp: 13089
Ion Ratio Lower Upper
85 100
87 32.8 25.8 38.6





#3
Chlorodifluoromethane
Concen: 0.537 ppbv
RT: 1.476 min Scan# 429
Delta R.T. -0.000 min
Lab File: VL043021.D
Acq: 30 Sep 2025 10:46

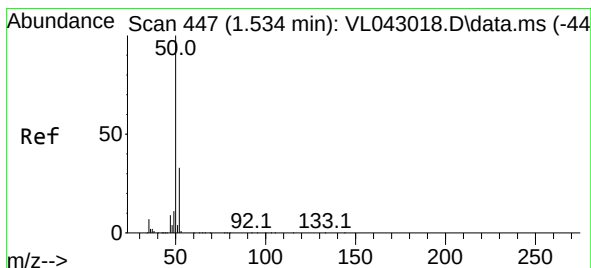
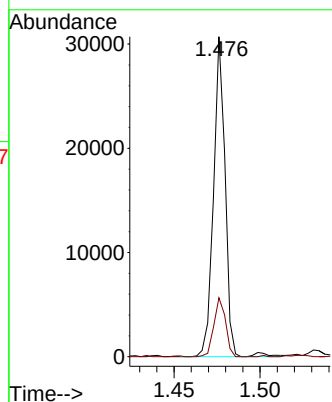
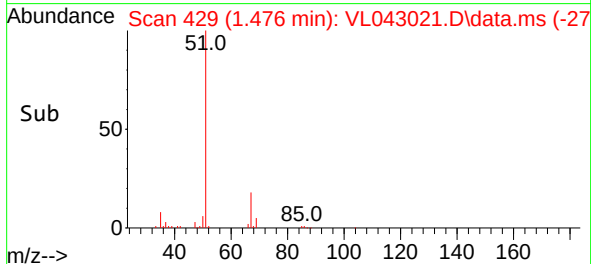
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5



Tgt Ion: 51 Resp: 14408
Ion Ratio Lower Upper
51 100
67 18.7 15.1 22.7

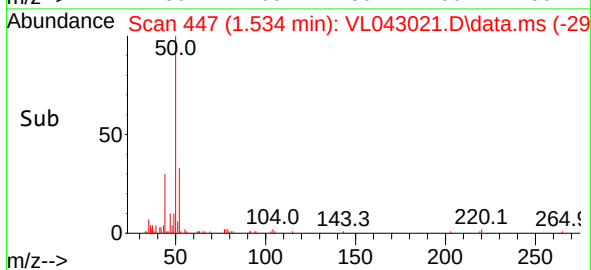
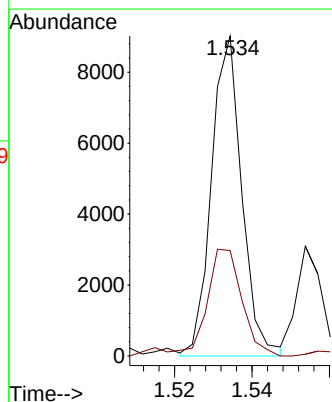
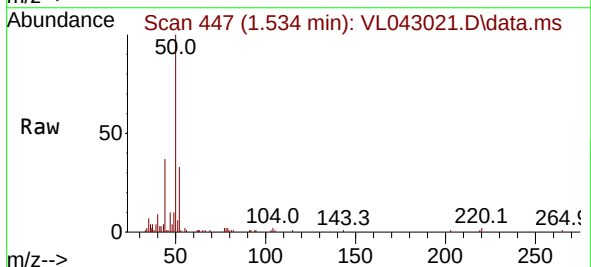
Manual Integrations
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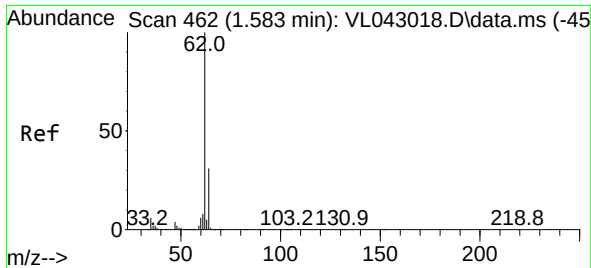
Reviewed By :Semsettin Yesilyurt 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025



#4
Chloromethane
Concen: 0.515 ppbv
RT: 1.534 min Scan# 447
Delta R.T. -0.000 min
Lab File: VL043021.D
Acq: 30 Sep 2025 10:46

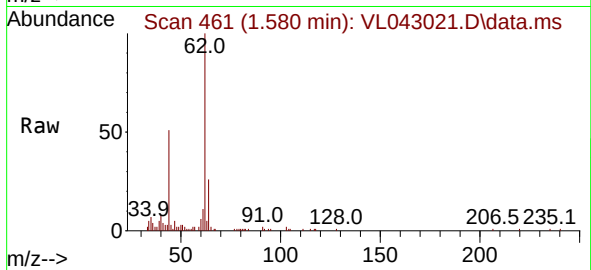
Tgt Ion: 50 Resp: 4896
Ion Ratio Lower Upper
50 100
52 33.3 26.0 39.0





#5
 Vinyl Chloride
 Concen: 0.509 ppbv
 RT: 1.580 min Scan# 461
 Delta R.T. -0.003 min
 Lab File: VL043021.D
 Acq: 30 Sep 2025 10:46

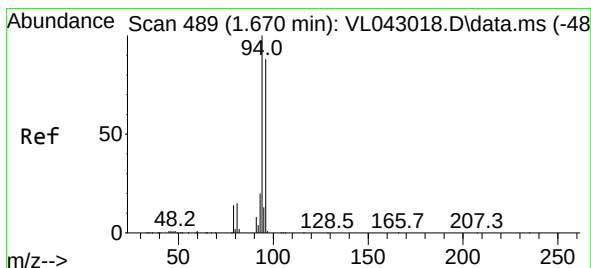
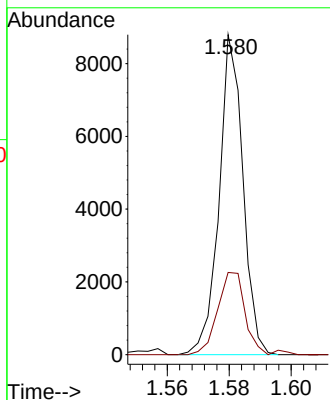
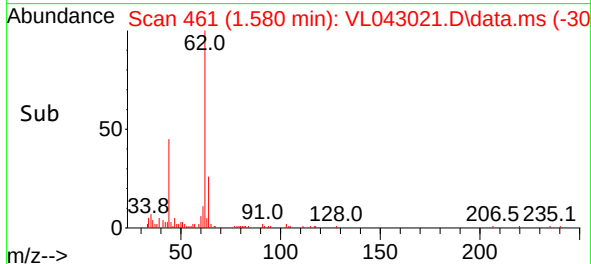
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5



Tgt Ion: 62 Resp: 469
 Ion Ratio Lower Upper
 62 100
 64 25.7 24.6 37.0

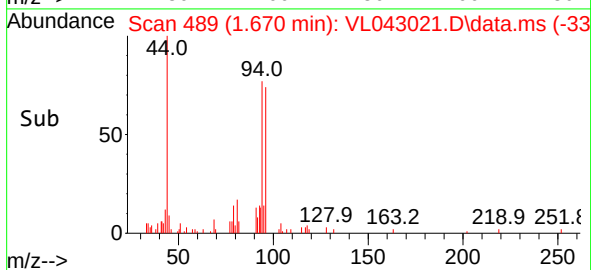
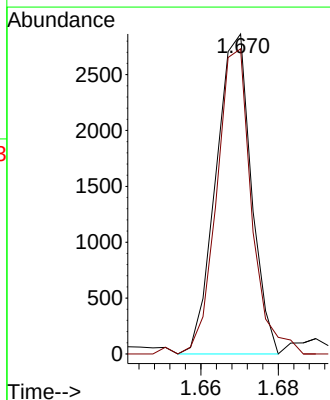
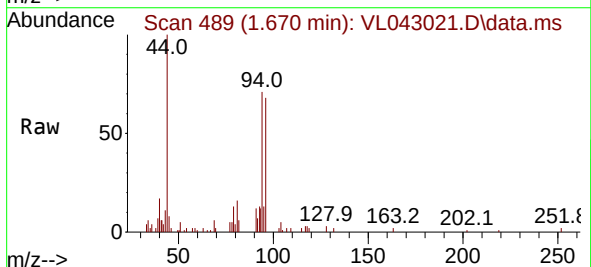
Manual Integrations
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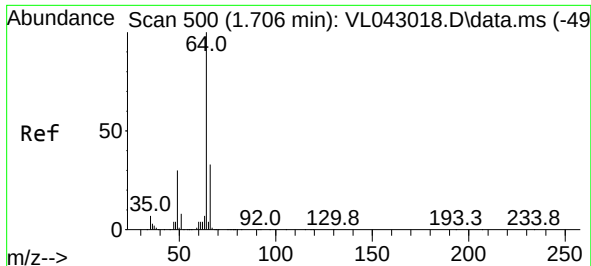
Reviewed By :Semsettin Yesilyurt 10/01/2025
 Supervised By :Mahesh Dadoda 10/03/2025



#6
 Bromomethane
 Concen: 0.544 ppbv
 RT: 1.670 min Scan# 489
 Delta R.T. -0.000 min
 Lab File: VL043021.D
 Acq: 30 Sep 2025 10:46

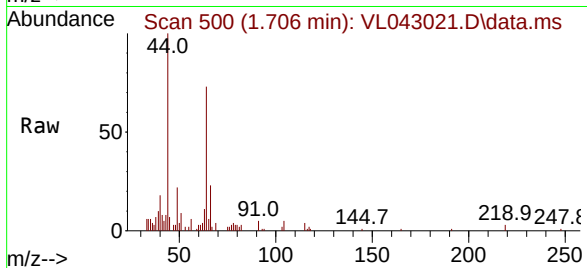
Tgt Ion: 94 Resp: 1816
 Ion Ratio Lower Upper
 94 100
 96 95.4 70.5 105.7





#7
Chloroethane
Concen: 0.575 ppbv
RT: 1.706 min Scan# 500
Delta R.T. -0.000 min
Lab File: VL043021.D
Acq: 30 Sep 2025 10:46

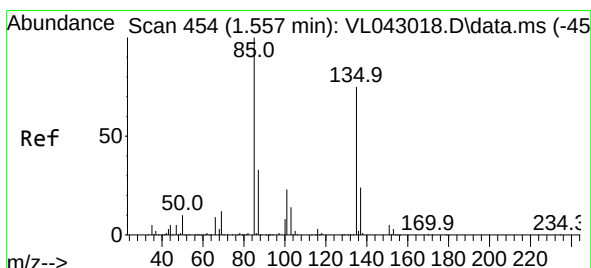
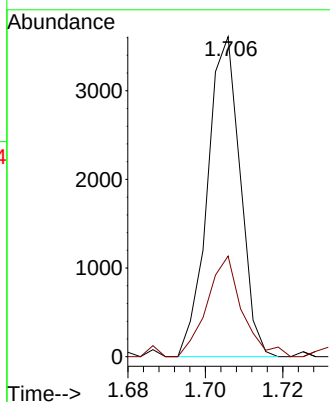
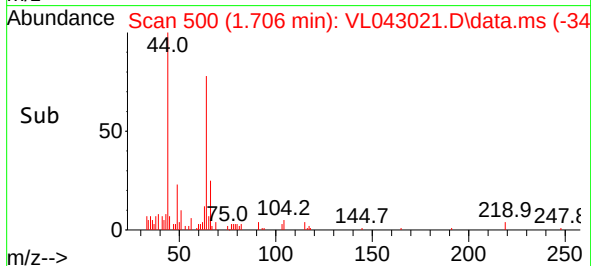
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5



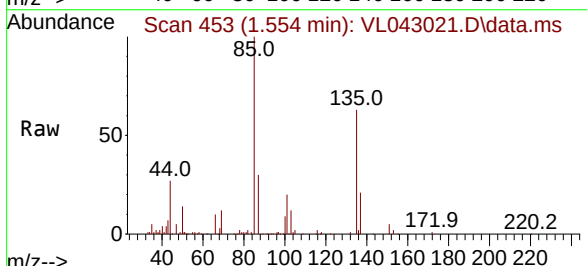
Tgt Ion: 64 Resp: 2119
Ion Ratio Lower Upper
64 100
66 31.5 26.0 39.0

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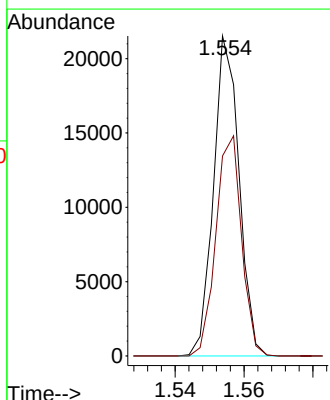
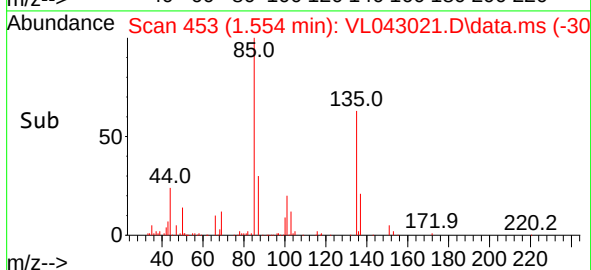
Reviewed By :Semsettin Yesilyurt 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

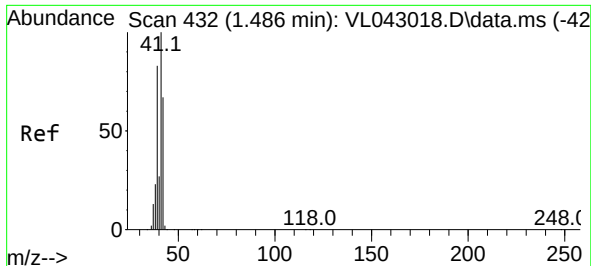


#8
Dichlorotetrafluoroethane
Concen: 0.543 ppbv
RT: 1.554 min Scan# 453
Delta R.T. -0.003 min
Lab File: VL043021.D
Acq: 30 Sep 2025 10:46



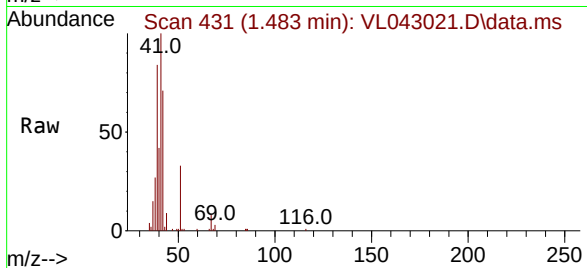
Tgt Ion: 85 Resp: 11092
Ion Ratio Lower Upper
85 100
135 69.2 57.4 86.0





#9
 Propene
 Concen: 0.516 ppbv
 RT: 1.483 min Scan# 41
 Delta R.T. -0.003 min
 Lab File: VL043021.D
 Acq: 30 Sep 2025 10:46

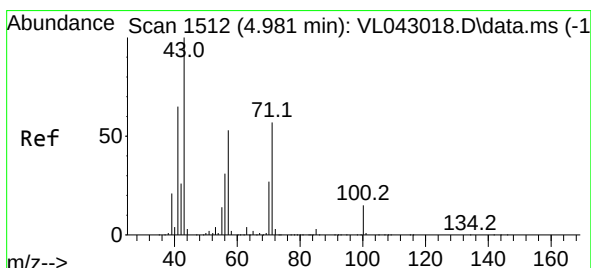
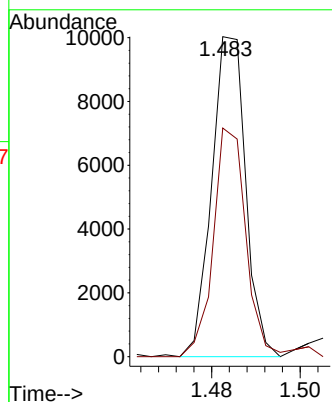
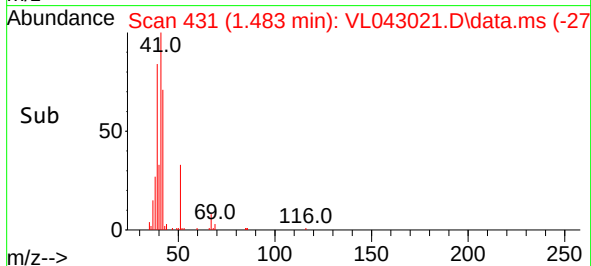
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5



Tgt Ion: 41 Resp: 535
 Ion Ratio Lower Upper
 41 100
 42 75.0 53.8 80.8

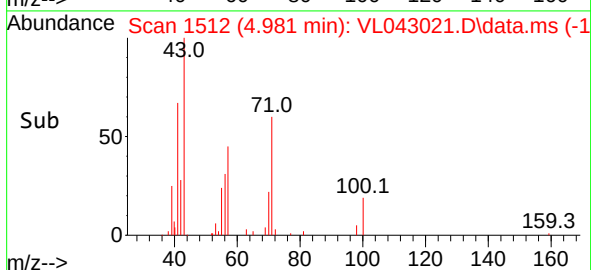
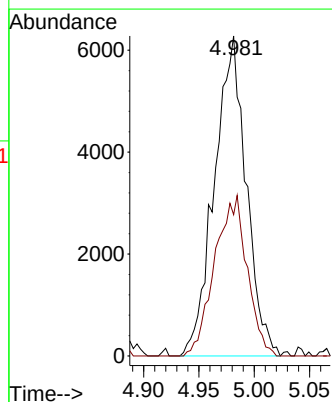
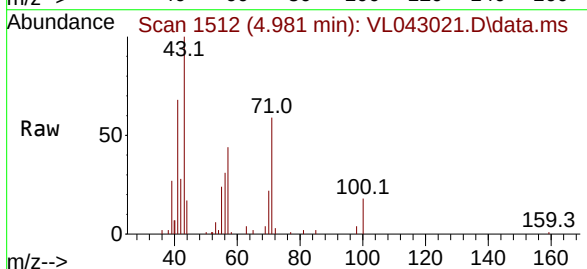
Manual Integrations
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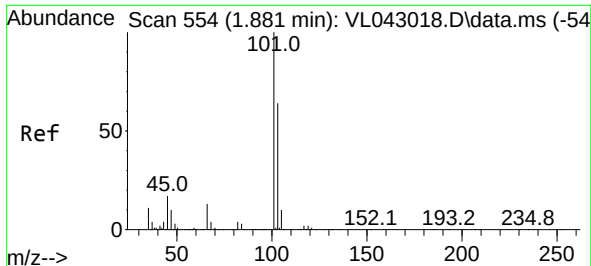
Reviewed By :Semsettin Yesilyurt 10/01/2025
 Supervised By :Mahesh Dadoda 10/03/2025



#10
 Heptane
 Concen: 0.469 ppbv
 RT: 4.981 min Scan# 1512
 Delta R.T. -0.000 min
 Lab File: VL043021.D
 Acq: 30 Sep 2025 10:46

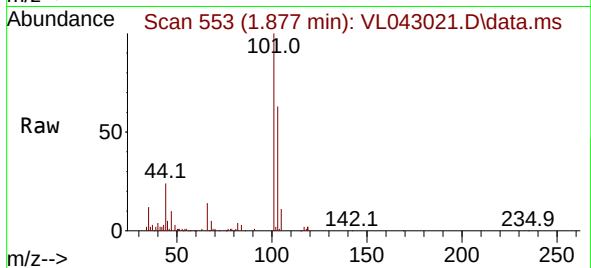
Tgt Ion: 43 Resp: 12559
 Ion Ratio Lower Upper
 43 100
 57 51.1 40.5 60.7





#11
Trichlorofluoromethane
Concen: 0.519 ppbv
RT: 1.877 min Scan# 510
Delta R.T. -0.003 min
Lab File: VL043021.D
Acq: 30 Sep 2025 10:46

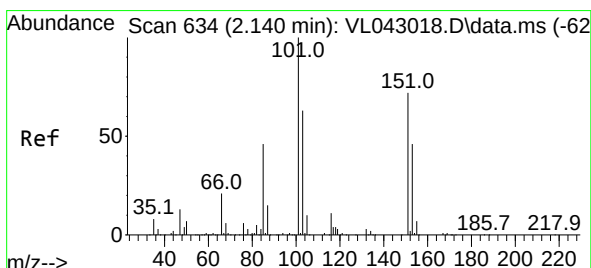
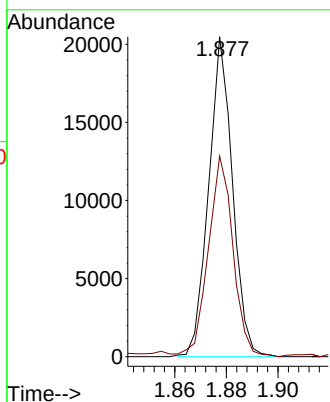
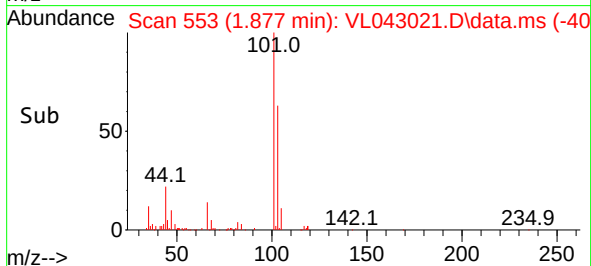
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



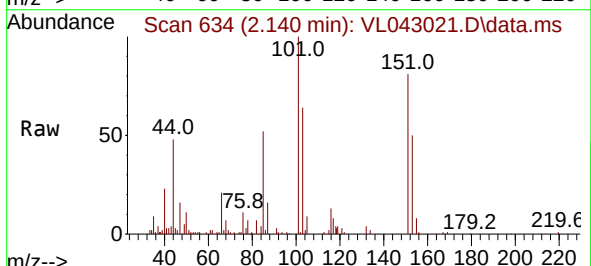
Tgt Ion:101 Resp: 1310
Ion Ratio Lower Upper
101 100
103 62.7 51.4 77.0

Manual Integrations
APPROVED

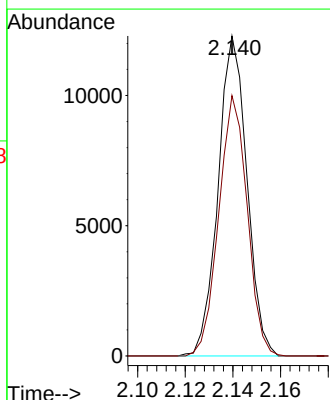
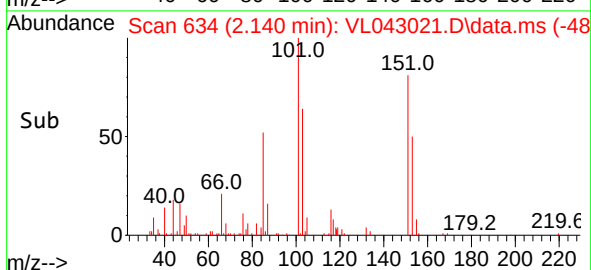
Reviewed By :Semsettin Yesilyurt 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

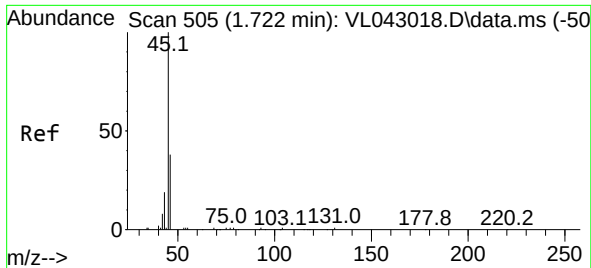


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.515 ppbv
RT: 2.140 min Scan# 634
Delta R.T. -0.000 min
Lab File: VL043021.D
Acq: 30 Sep 2025 10:46



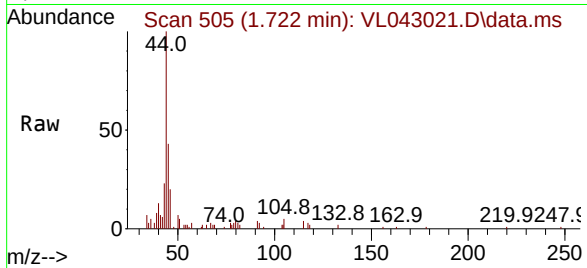
Tgt Ion:101 Resp: 10313
Ion Ratio Lower Upper
101 100
151 80.2 60.2 90.4





#13
Ethanol
Concen: 1.046 ppbv
RT: 1.722 min Scan# 505
Delta R.T. -0.000 min
Lab File: VL043021.D
Acq: 30 Sep 2025 10:46

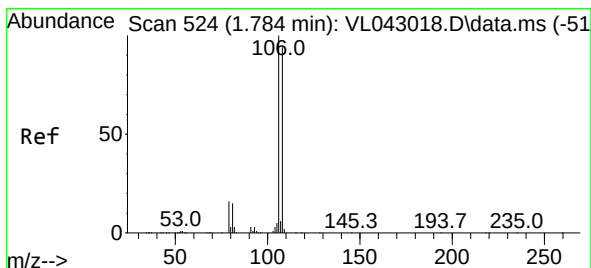
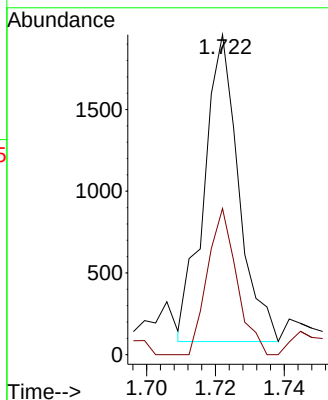
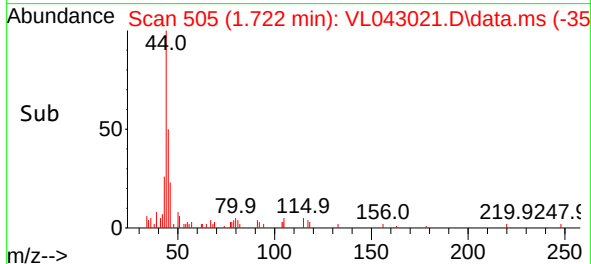
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



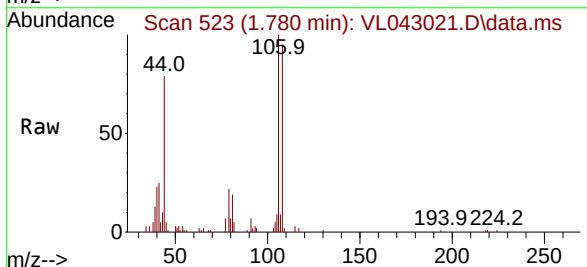
Tgt Ion: 45 Resp: 1319
Ion Ratio Lower Upper
45 100
46 0.0 16.2 64.8

Manual Integrations
APPROVED

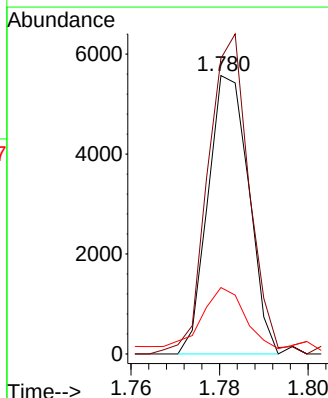
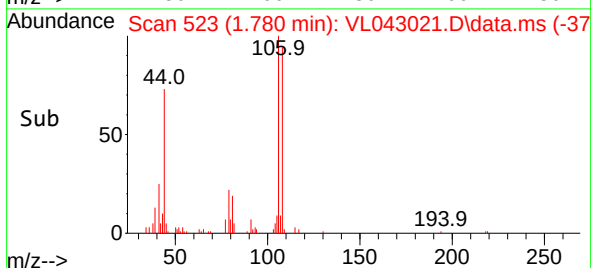
Reviewed By :Semsettin Yesilyurt 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

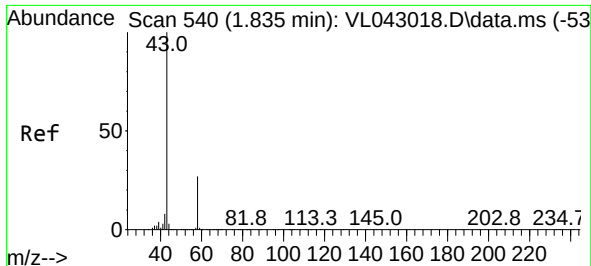


#14
Bromoethene
Concen: 0.477 ppbv
RT: 1.780 min Scan# 523
Delta R.T. -0.003 min
Lab File: VL043021.D
Acq: 30 Sep 2025 10:46



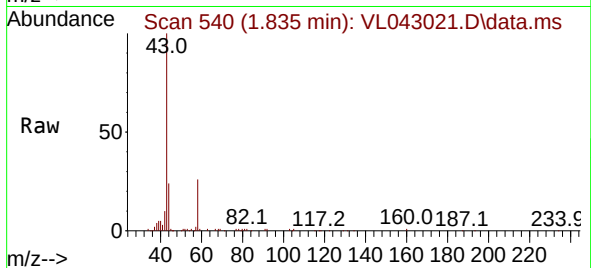
Tgt Ion:108 Resp: 3563
Ion Ratio Lower Upper
108 100
106 117.5 85.4 128.0
79 49.9 14.1 21.1





#15
Acetone
Concen: 0.640 ppbv
RT: 1.835 min Scan# 540
Delta R.T. -0.000 min
Lab File: VL043021.D
Acq: 30 Sep 2025 10:46

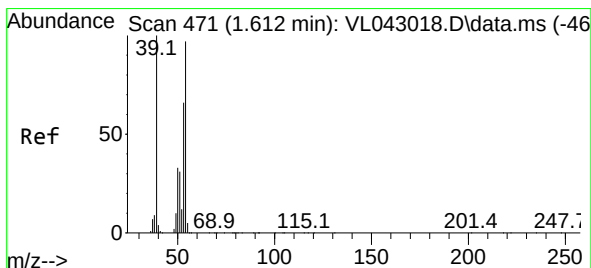
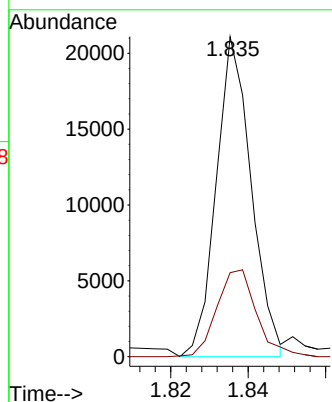
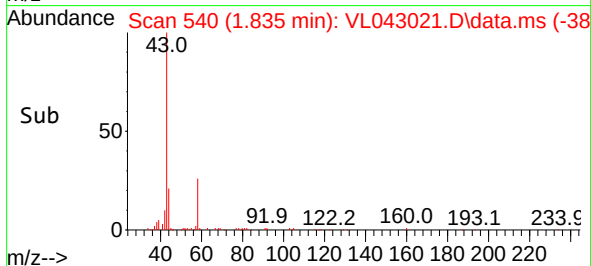
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



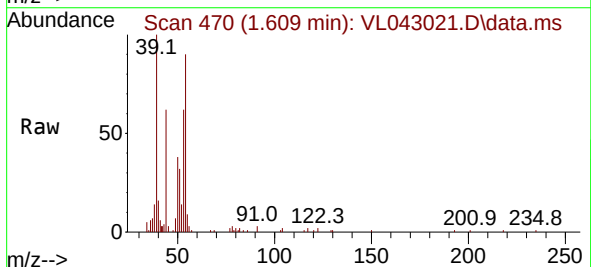
Tgt Ion: 43 Resp: 1322
Ion Ratio Lower Upper
43 100
58 31.5 22.8 34.2

Manual Integrations
APPROVED

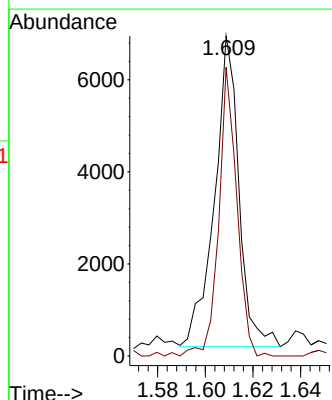
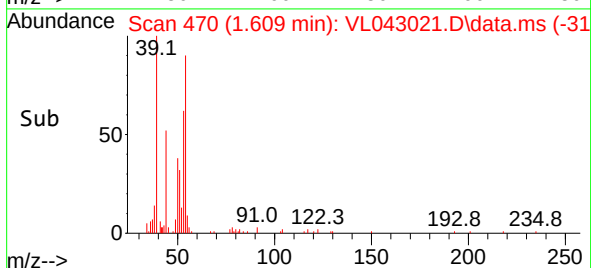
Reviewed By :Semsettin Yesilyurt 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

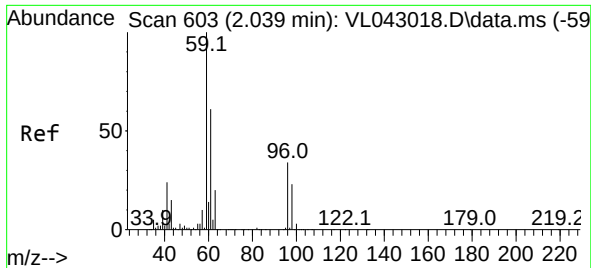


#16
1,3-Butadiene
Concen: 0.551 ppbv
RT: 1.609 min Scan# 470
Delta R.T. -0.003 min
Lab File: VL043021.D
Acq: 30 Sep 2025 10:46



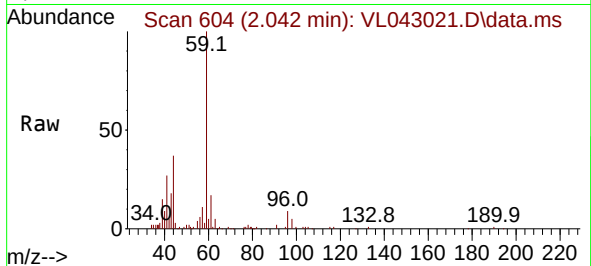
Tgt Ion: 39 Resp: 4822
Ion Ratio Lower Upper
39 100
54 68.2 65.7 98.5





#17
tert-Butyl alcohol
Concen: 0.535 ppbv
RT: 2.042 min Scan# 604
Delta R.T. 0.003 min
Lab File: VL043021.D
Acq: 30 Sep 2025 10:46

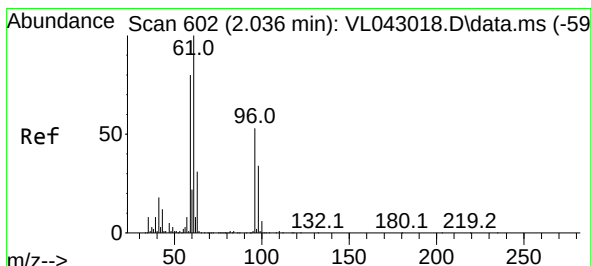
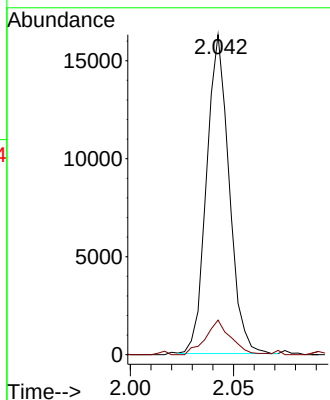
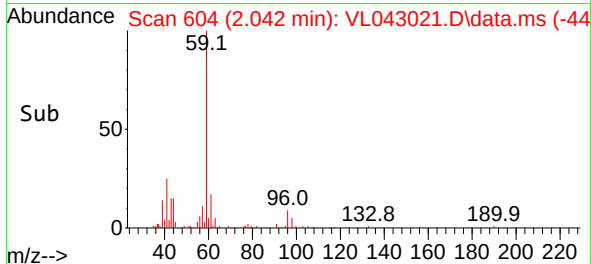
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



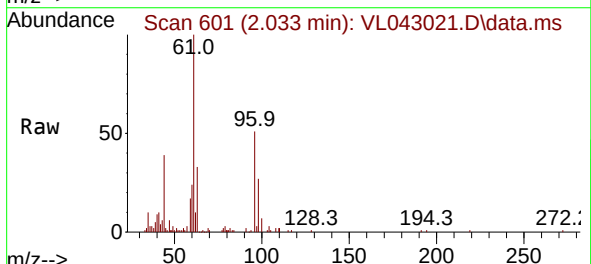
Tgt Ion: 59 Resp: 1235
Ion Ratio Lower Upper
59 100
57 12.9 8.5 12.7

Manual Integrations
APPROVED

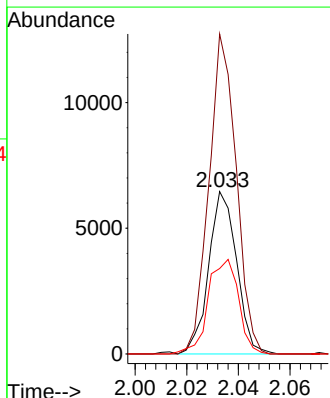
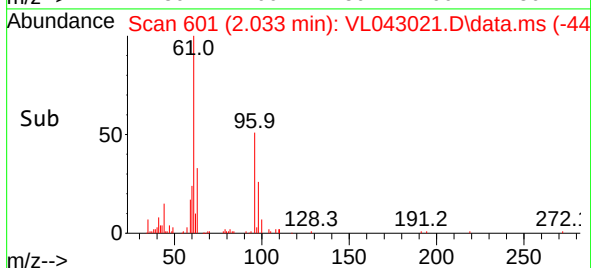
Reviewed By :Semsettin Yesilyurt 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

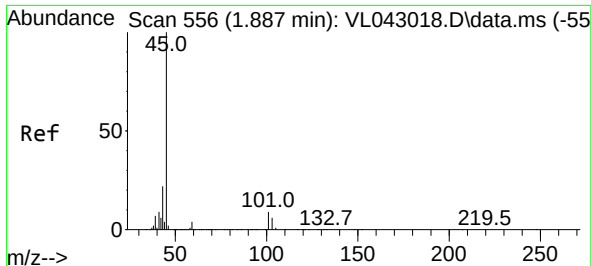


#18
1,1-Dichloroethene
Concen: 0.541 ppbv
RT: 2.033 min Scan# 601
Delta R.T. -0.003 min
Lab File: VL043021.D
Acq: 30 Sep 2025 10:46



Tgt Ion: 96 Resp: 4870
Ion Ratio Lower Upper
96 100
61 197.0 151.4 227.0
98 52.6 51.5 77.3





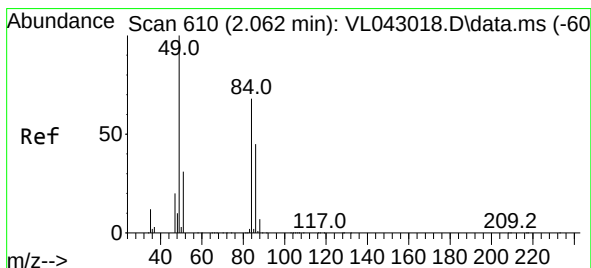
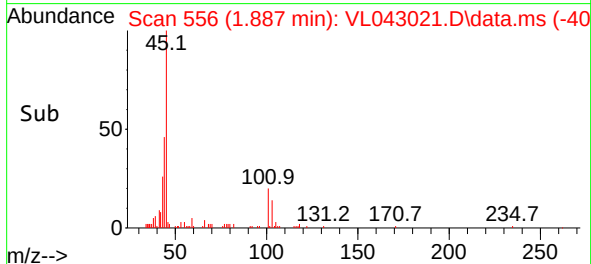
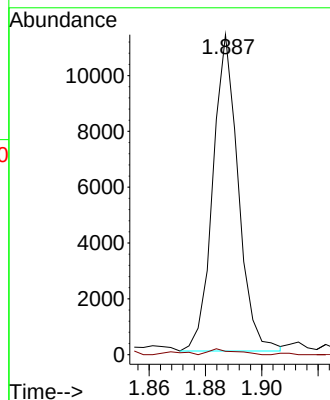
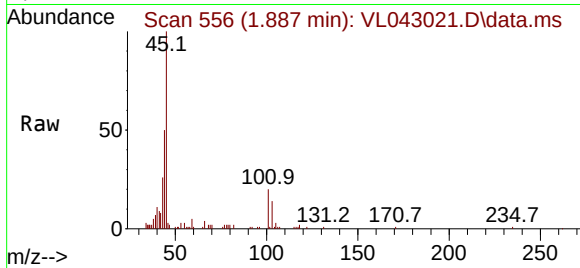
#19
Isopropyl Alcohol
Concen: 0.585 ppbv
RT: 1.887 min Scan# 511
Delta R.T. -0.000 min
Lab File: VL043021.D
Acq: 30 Sep 2025 10:46

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 45 Resp: 7110
Ion Ratio Lower Upper
45 100
58 2.9 34.0 51.0

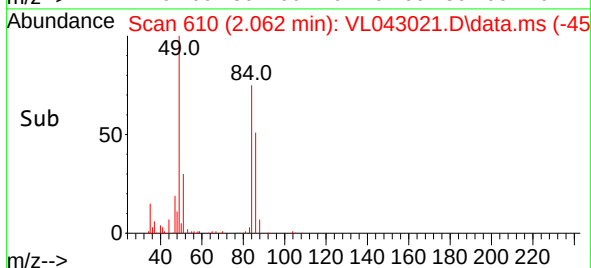
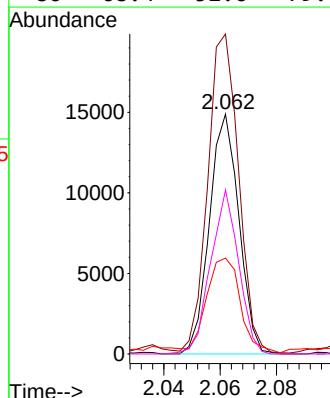
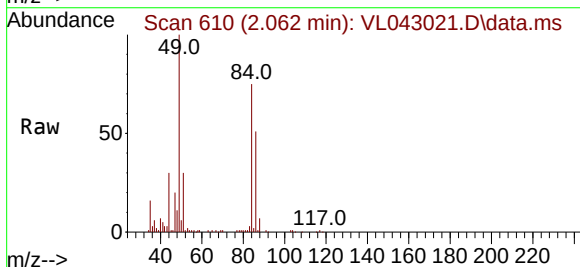
Manual Integrations
APPROVED

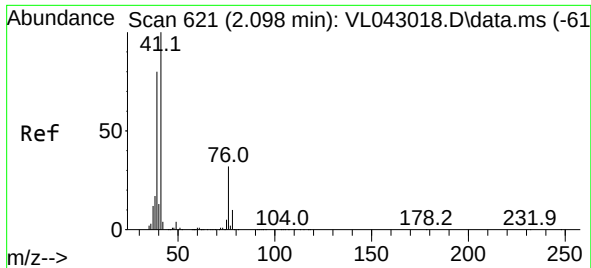
Reviewed By :Semsettin Yesilyurt 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025



#20
Methylene Chloride
Concen: 0.915 ppbv
RT: 2.062 min Scan# 610
Delta R.T. -0.000 min
Lab File: VL043021.D
Acq: 30 Sep 2025 10:46

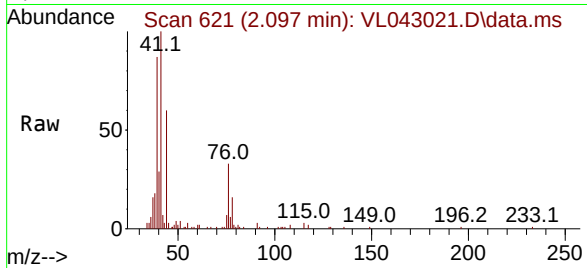
Tgt Ion: 84 Resp: 10844
Ion Ratio Lower Upper
84 100
49 132.3 117.4 176.2
51 39.4 37.4 56.0
86 68.4 52.6 79.0





#21
 Allyl Chloride
 Concen: 0.511 ppbv
 RT: 2.097 min Scan# 61
 Delta R.T. -0.000 min
 Lab File: VL043021.D
 Acq: 30 Sep 2025 10:46

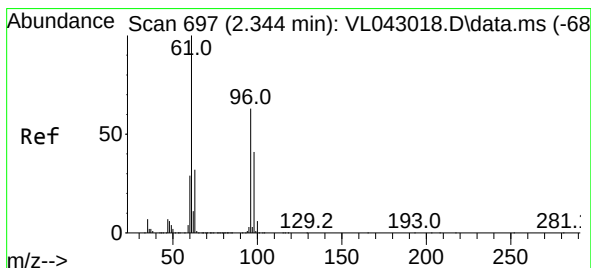
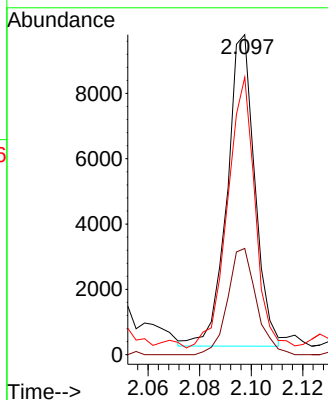
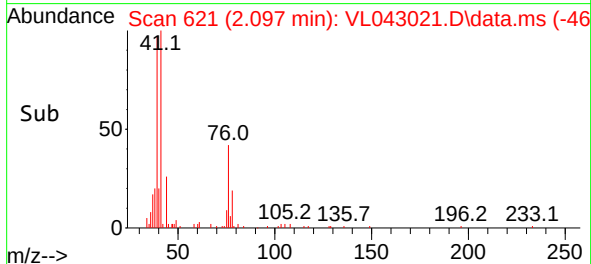
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5



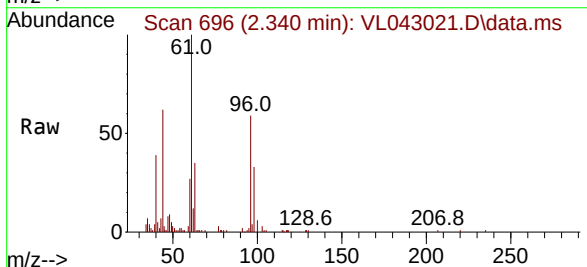
Tgt Ion: 41 Resp: 7130
 Ion Ratio Lower Upper
 41 100
 76 35.3 25.6 38.4
 39 93.3 62.7 94.1

Manual Integrations
 APPROVED

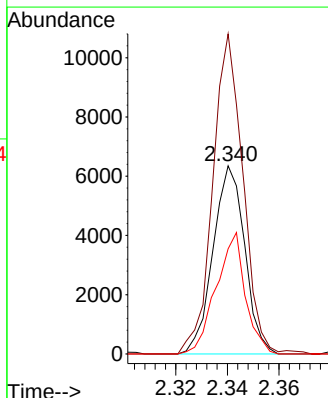
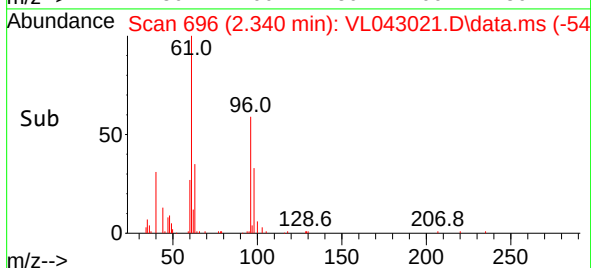
Reviewed By :Semsettin Yesilyurt 10/01/2025
 Supervised By :Mahesh Dadoda 10/03/2025

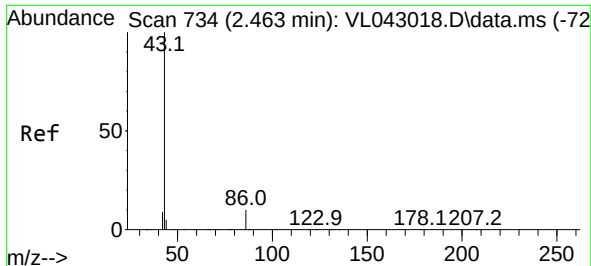


#22
 trans-1,2-Dichloroethene
 Concen: 0.531 ppbv
 RT: 2.340 min Scan# 696
 Delta R.T. -0.003 min
 Lab File: VL043021.D
 Acq: 30 Sep 2025 10:46



Tgt Ion: 96 Resp: 5417
 Ion Ratio Lower Upper
 96 100
 61 170.0 126.1 189.1
 98 55.9 51.3 76.9





#23
 Vinyl Acetate
 Concen: 0.536 ppbv
 RT: 2.460 min Scan# 717
 Delta R.T. -0.003 min
 Lab File: VL043021.D
 Acq: 30 Sep 2025 10:46

Instrument :

MSVOA_L

ClientSampleId :

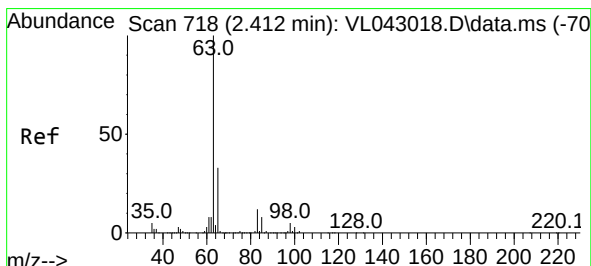
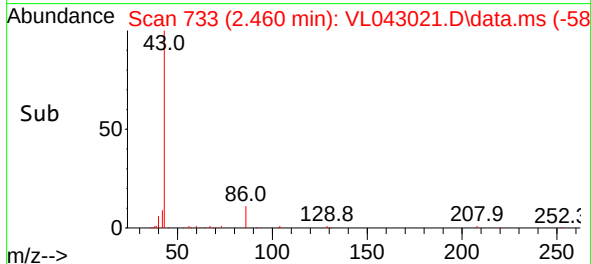
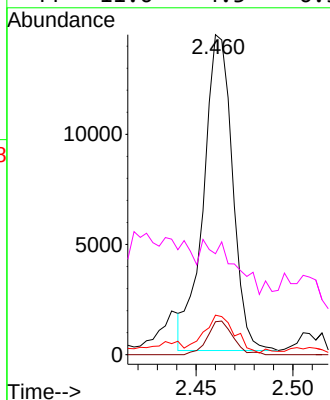
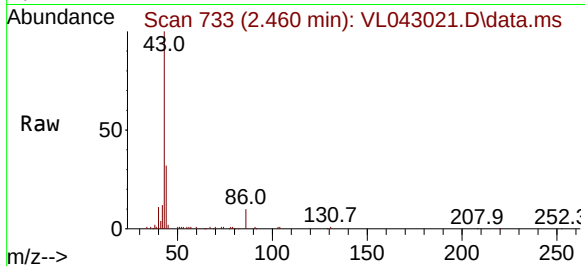
VSTDIC0.5

Tgt Ion: 43 Resp: 1490
 Ion Ratio Lower Upper
 43 100
 86 10.5 7.1 10.7
 42 11.4 7.9 11.9
 44 11.6 4.3 6.5#

Manual Integrations

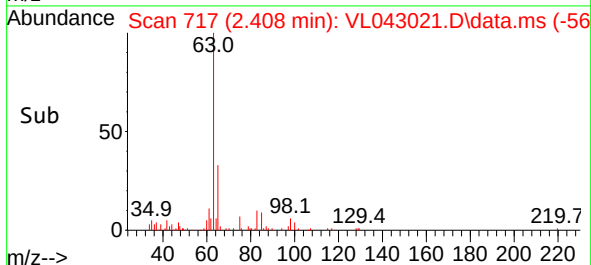
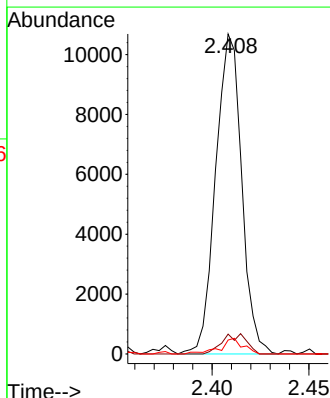
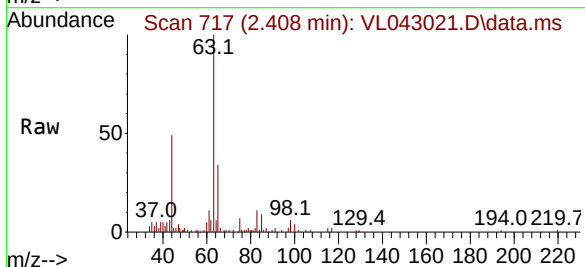
APPROVED

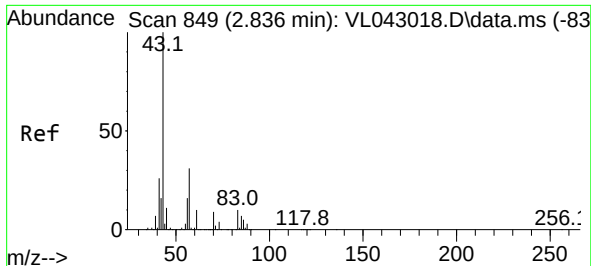
Reviewed By :Semsettin Yesilyurt 10/01/2025
 Supervised By :Mahesh Dadoda 10/03/2025



#24
 1,1-Dichloroethane
 Concen: 0.519 ppbv
 RT: 2.408 min Scan# 717
 Delta R.T. -0.003 min
 Lab File: VL043021.D
 Acq: 30 Sep 2025 10:46

Tgt Ion: 63 Resp: 9965
 Ion Ratio Lower Upper
 63 100
 98 6.2 2.4 7.2
 100 4.4 1.6 4.8





#25

Ethyl Acetate

Concen: 0.582 ppbv

RT: 2.832 min Scan# 84

Delta R.T. -0.003 min

Lab File: VL043021.D

Acq: 30 Sep 2025 10:46

Instrument :

MSVOA_L

ClientSampleId :

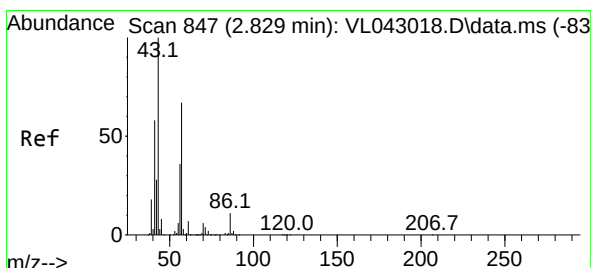
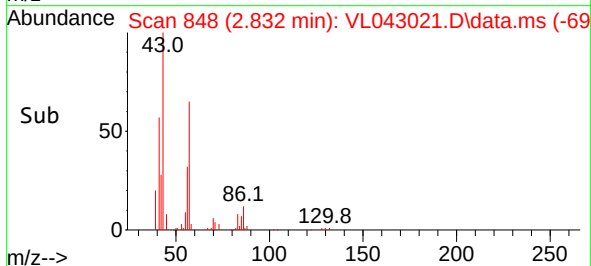
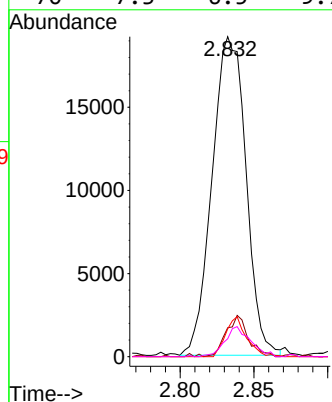
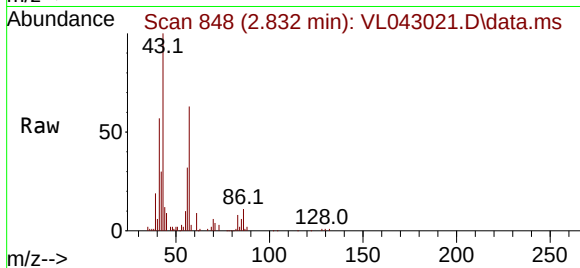
VSTDICC0.5

Tgt Ion: 43	Resp: 3065
Ion Ratio	Lower Upper
43 100	
45 9.0	7.8 11.6
61 7.7	7.0 10.4
70 7.3	6.5 9.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025



#26

Hexane

Concen: 0.728 ppbv

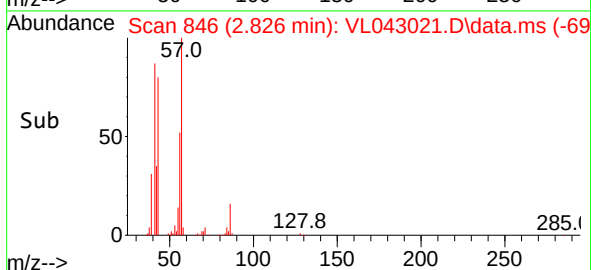
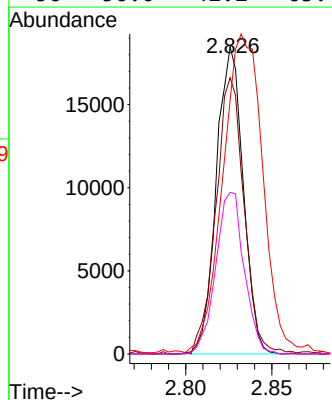
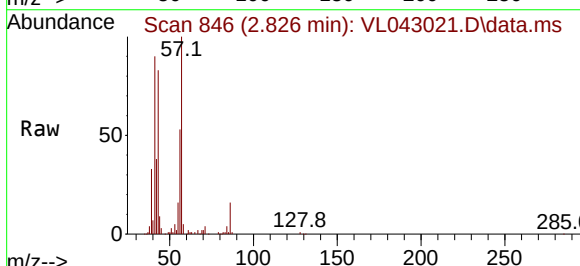
RT: 2.826 min Scan# 846

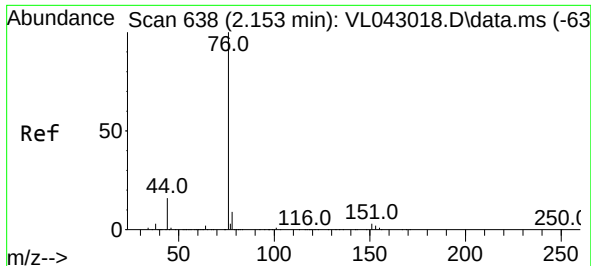
Delta R.T. -0.003 min

Lab File: VL043021.D

Acq: 30 Sep 2025 10:46

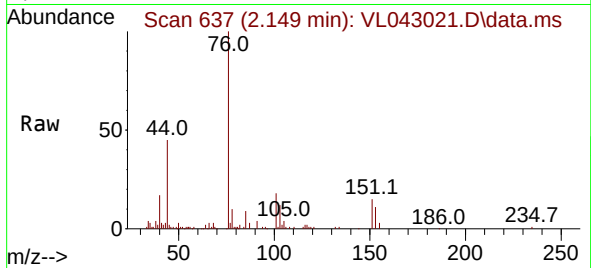
Tgt Ion: 57	Resp: 19954
Ion Ratio	Lower Upper
57 100	
41 96.0	70.2 105.2
43 156.5	172.0 258.0#
56 56.0	42.2 63.4





#27
Carbon Disulfide
Concen: 0.531 ppbv
RT: 2.149 min Scan# 611
Delta R.T. -0.003 min
Lab File: VL043021.D
Acq: 30 Sep 2025 10:46

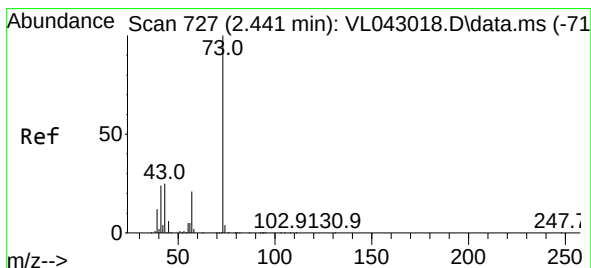
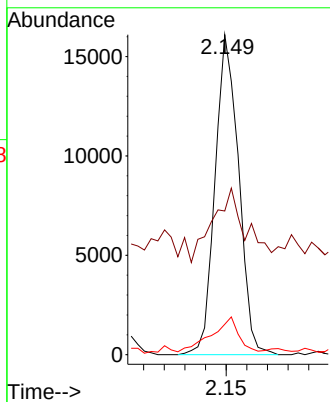
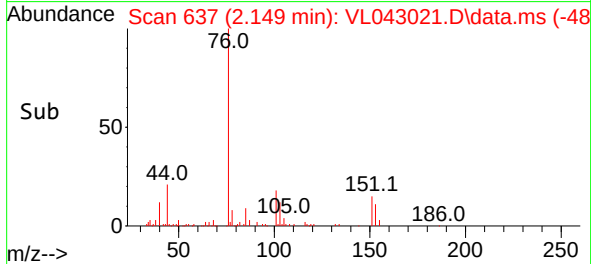
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



Tgt Ion: 76 Resp: 12790
Ion Ratio Lower Upper
76 100
44 140.4 15.7 23.5
78 20.8 9.4 14.2

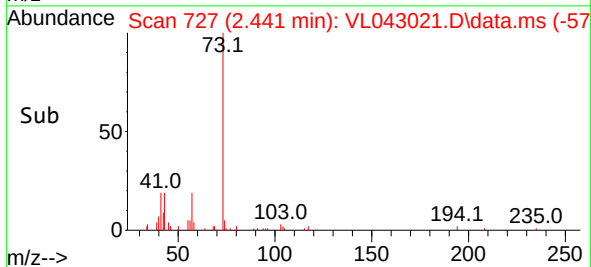
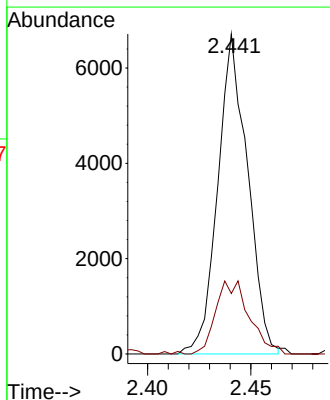
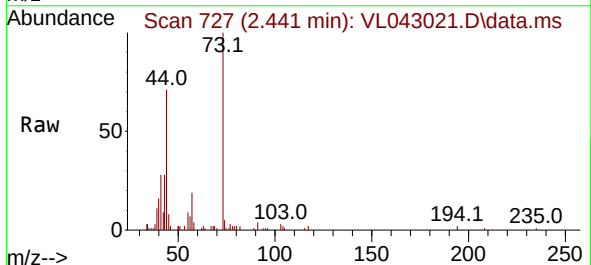
Manual Integrations
APPROVED

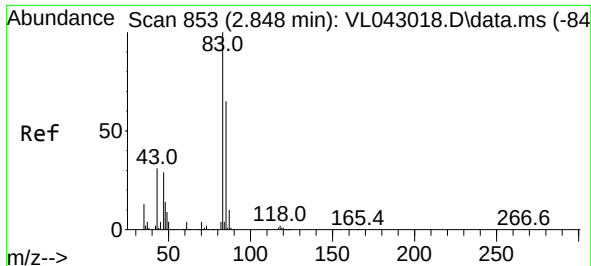
Reviewed By :Semsettin Yesilyurt 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025



#28
Methyl tert-Butyl Ether
Concen: 0.503 ppbv
RT: 2.441 min Scan# 727
Delta R.T. -0.000 min
Lab File: VL043021.D
Acq: 30 Sep 2025 10:46

Tgt Ion: 73 Resp: 6741
Ion Ratio Lower Upper
73 100
57 26.0 17.8 26.6





#29

Chloroform

Concen: 0.514 ppbv

RT: 2.848 min Scan# 853

Delta R.T. -0.000 min

Lab File: VL043021.D

Acq: 30 Sep 2025 10:46

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.5

Tgt Ion: 83 Resp: 17528

Ion Ratio Lower Upper

83 100

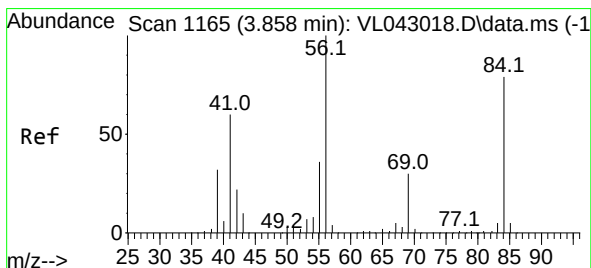
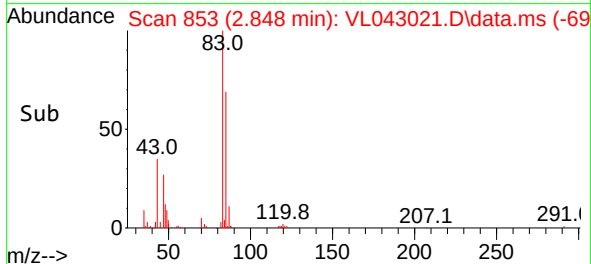
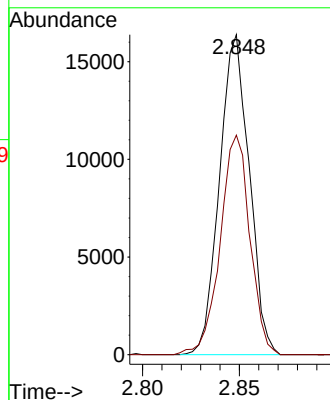
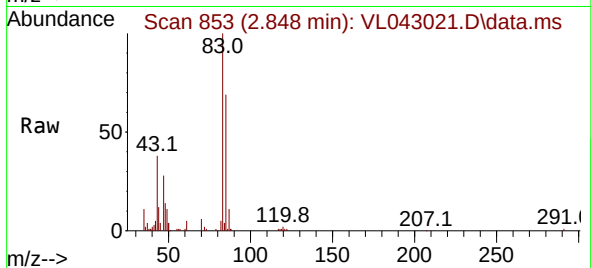
85 68.6 51.7 77.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/01/2025

Supervised By :Mahesh Dadoda 10/03/2025



#30

Cyclohexane

Concen: 0.481 ppbv

RT: 3.855 min Scan# 1164

Delta R.T. -0.003 min

Lab File: VL043021.D

Acq: 30 Sep 2025 10:46

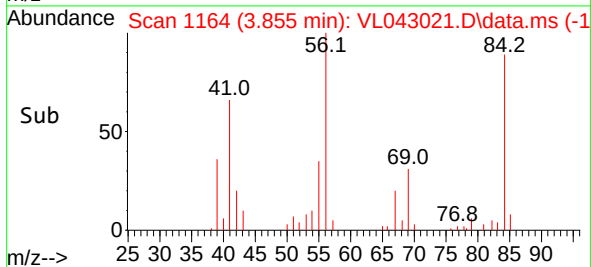
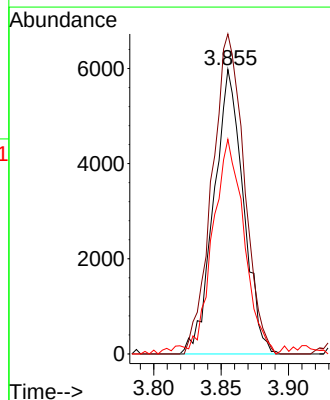
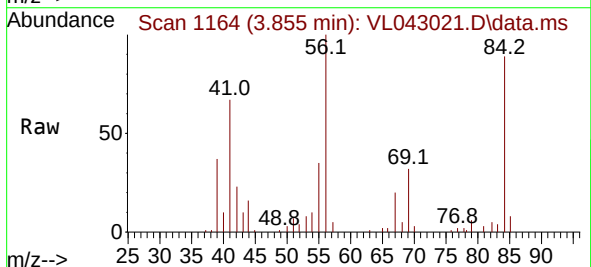
Tgt Ion: 84 Resp: 9082

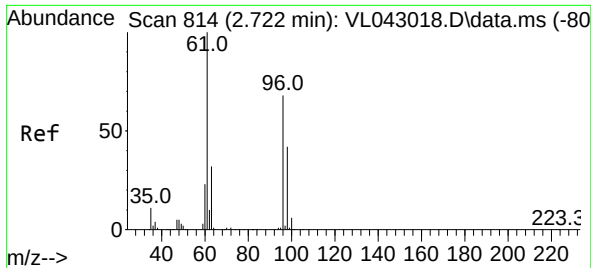
Ion Ratio Lower Upper

84 100

56 122.6 97.3 145.9

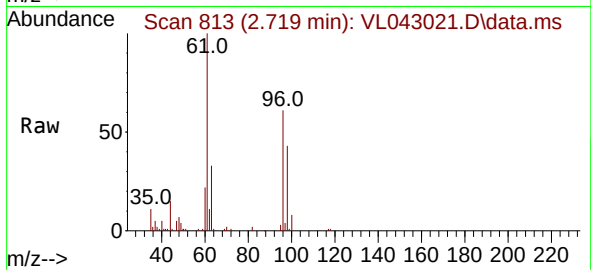
41 82.5 62.2 93.4





#31
 cis-1,2-Dichloroethene
 Concen: 0.525 ppbv
 RT: 2.719 min Scan# 814
 Delta R.T. -0.003 min
 Lab File: VL043021.D
 Acq: 30 Sep 2025 10:46

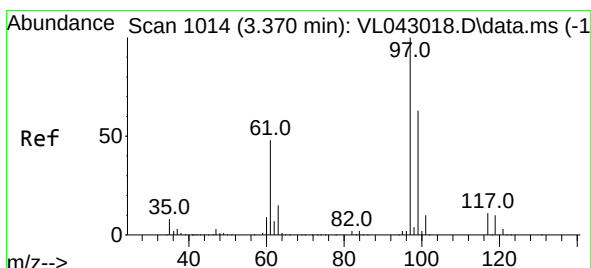
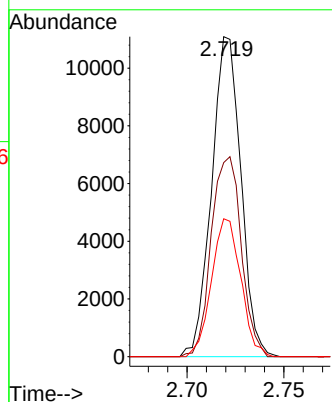
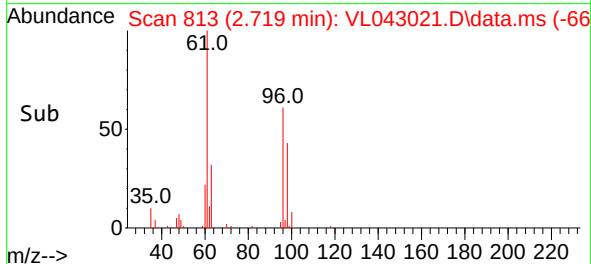
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5



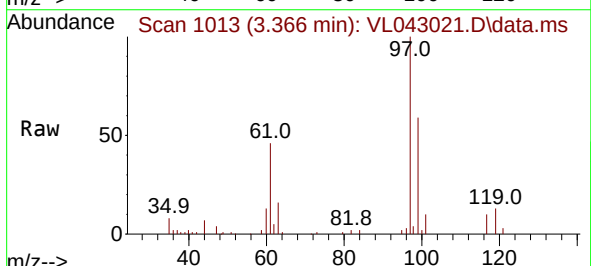
Tgt Ion: 61 Resp: 1168
 Ion Ratio Lower Upper
 61 100
 96 60.7 54.4 81.6
 98 43.1 33.7 50.5

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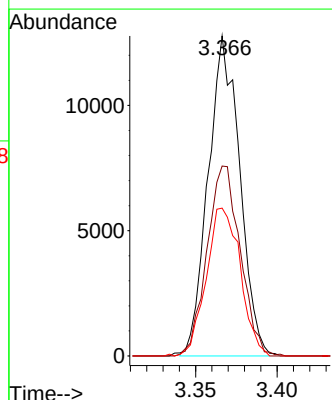
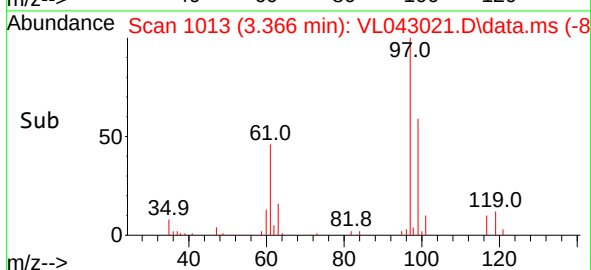
Reviewed By :Semsettin Yesilyurt 10/01/2025
 Supervised By :Mahesh Dadoda 10/03/2025

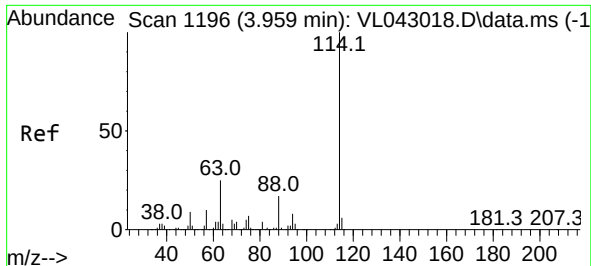


#32
 1,1,1-Trichloroethane
 Concen: 0.497 ppbv
 RT: 3.366 min Scan# 1013
 Delta R.T. -0.003 min
 Lab File: VL043021.D
 Acq: 30 Sep 2025 10:46



Tgt Ion: 97 Resp: 17179
 Ion Ratio Lower Upper
 97 100
 99 62.4 51.4 77.0
 61 49.8 38.8 58.2





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.959 min Scan# 1196

Delta R.T. -0.000 min

Lab File: VL043021.D

Acq: 30 Sep 2025 10:46

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.5

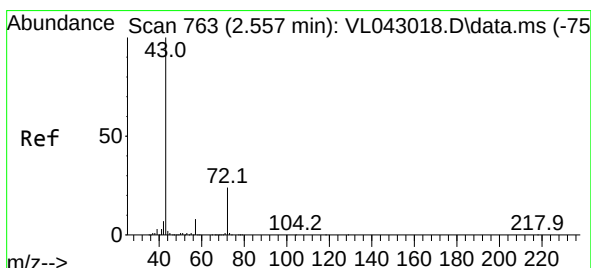
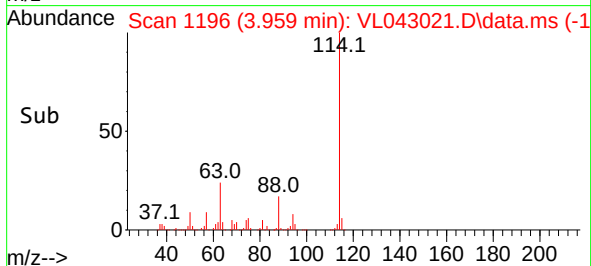
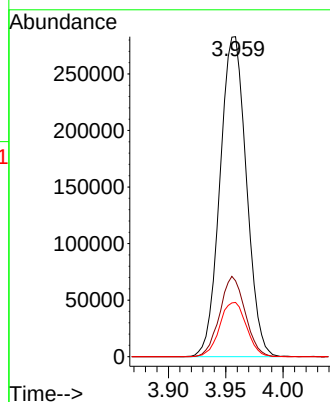
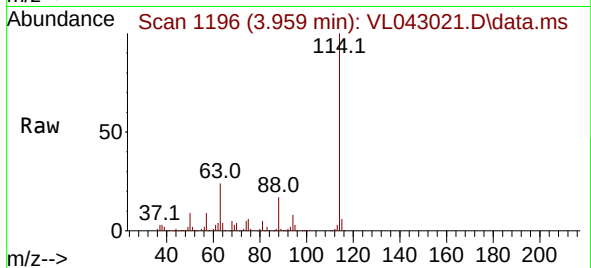
Tgt Ion:114 Resp: 452004

Ion	Ratio	Lower	Upper
114	100		
63	24.2	19.7	29.5
88	17.2	13.8	20.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025



#34

2-Butanone

Concen: 0.529 ppbv

RT: 2.557 min Scan# 763

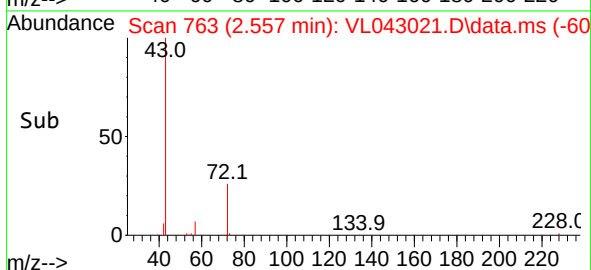
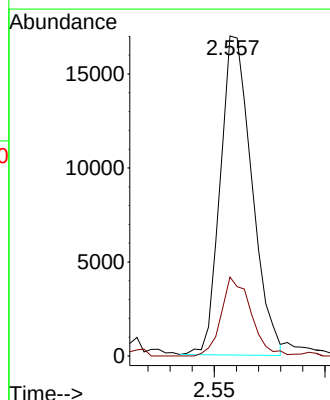
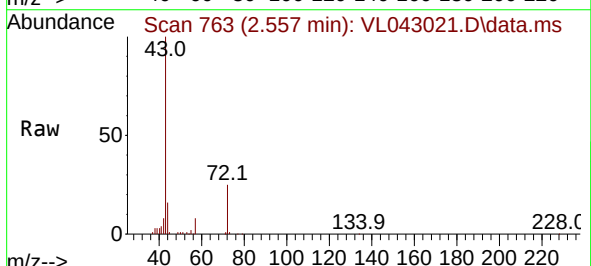
Delta R.T. -0.000 min

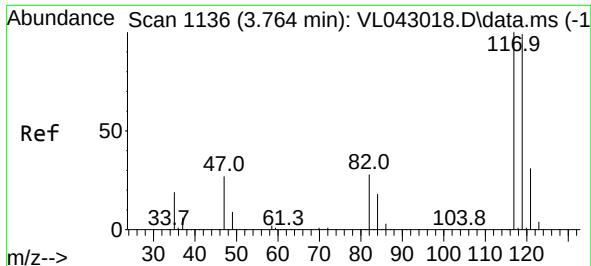
Lab File: VL043021.D

Acq: 30 Sep 2025 10:46

Tgt Ion: 43 Resp: 16839

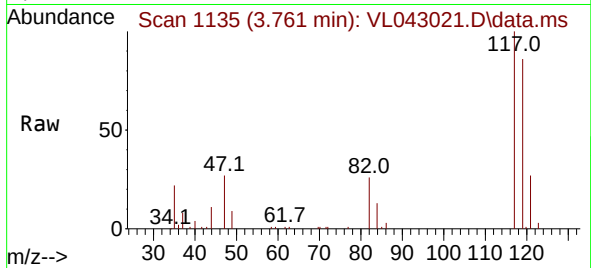
Ion	Ratio	Lower	Upper
43	100		
72	24.0	18.7	28.1





#35
Carbon Tetrachloride
Concen: 0.489 ppbv
RT: 3.761 min Scan# 1135
Delta R.T. -0.003 min
Lab File: VL043021.D
Acq: 30 Sep 2025 10:46

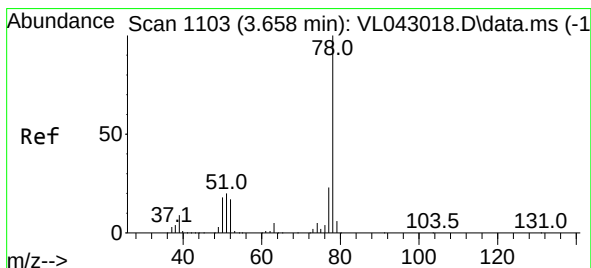
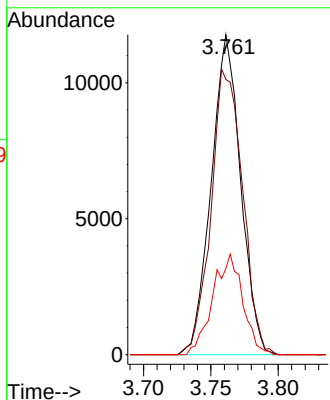
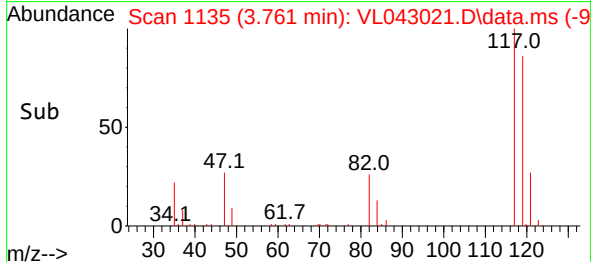
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



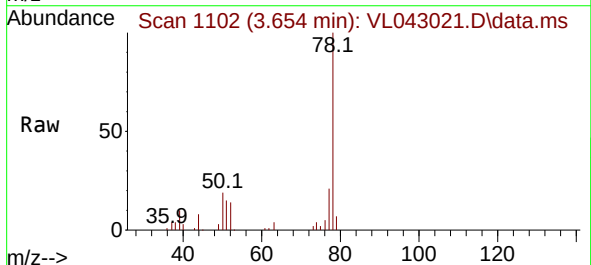
Tgt Ion: 117 Resp: 17919
Ion Ratio Lower Upper
117 100
119 86.0 79.1 118.7
121 26.9 24.5 36.7

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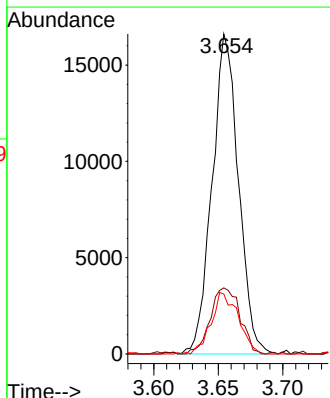
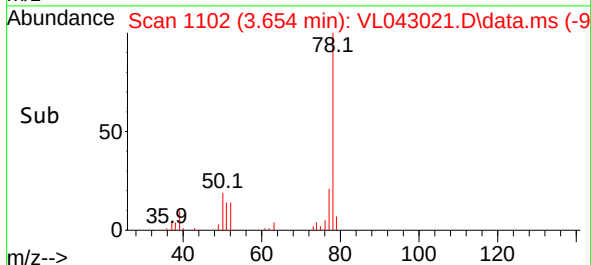
Reviewed By :Semsettin Yesilyurt 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

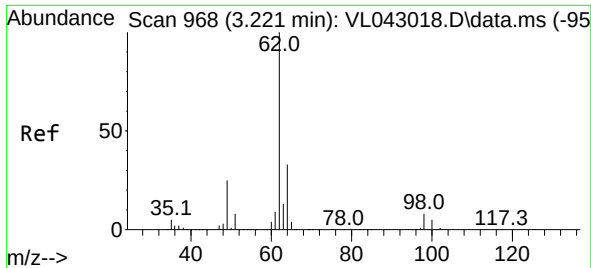


#36
Benzene
Concen: 0.520 ppbv
RT: 3.654 min Scan# 1102
Delta R.T. -0.003 min
Lab File: VL043021.D
Acq: 30 Sep 2025 10:46



Tgt Ion: 78 Resp: 23565
Ion Ratio Lower Upper
78 100
77 20.6 18.8 28.2
50 18.7 14.5 21.7





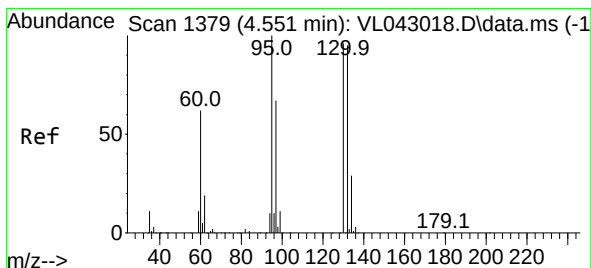
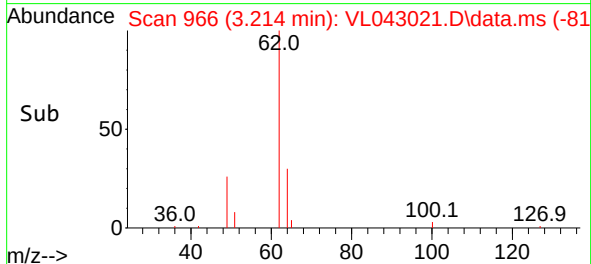
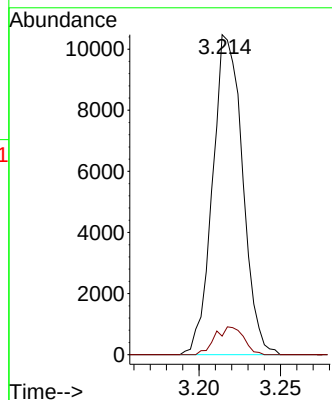
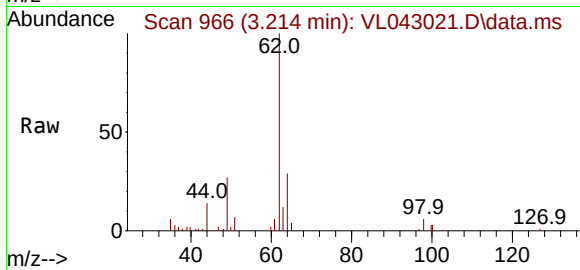
#37
1,2-Dichloroethane
Concen: 0.517 ppbv
RT: 3.214 min Scan# 966
Delta R.T. -0.007 min
Lab File: VL043021.D
Acq: 30 Sep 2025 10:46

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 62 Resp: 13370
Ion Ratio Lower Upper
62 100
98 8.3 5.7 8.5

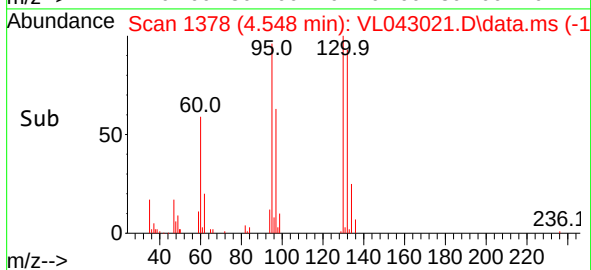
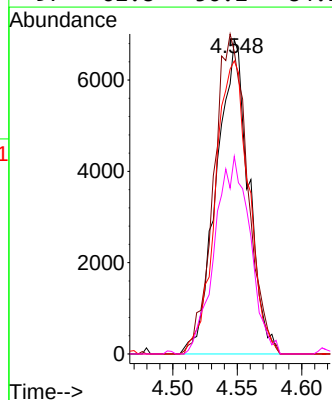
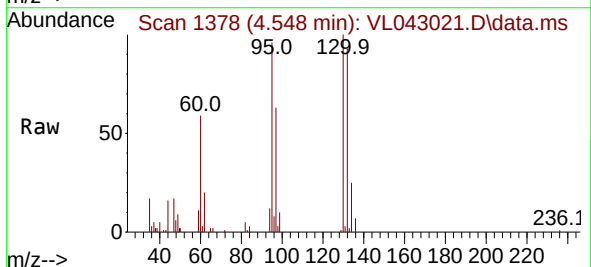
Manual Integrations
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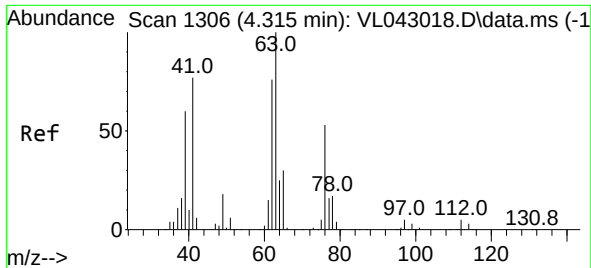
Reviewed By :Semsettin Yesilyurt 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025



#38
Trichloroethene
Concen: 0.512 ppbv
RT: 4.548 min Scan# 1378
Delta R.T. -0.003 min
Lab File: VL043021.D
Acq: 30 Sep 2025 10:46

Tgt Ion:130 Resp: 11865
Ion Ratio Lower Upper
130 100
95 96.3 83.4 125.0
132 93.3 79.0 118.4
97 62.8 56.2 84.2





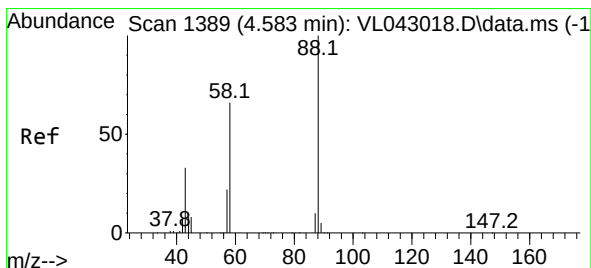
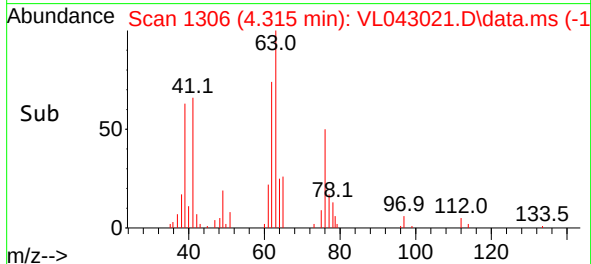
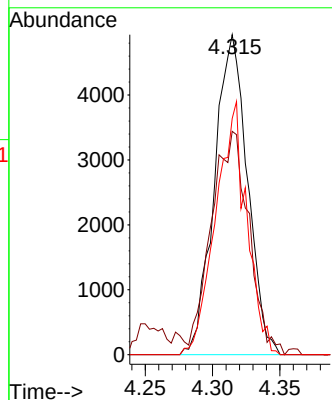
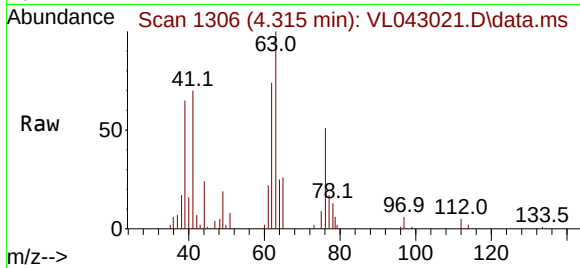
#39
1,2-Dichloropropane
Concen: 0.507 ppbv
RT: 4.315 min Scan# 1306
Delta R.T. -0.000 min
Lab File: VL043021.D
Acq: 30 Sep 2025 10:46

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 63 Resp: 843
Ion Ratio Lower Upper
63 100
41 66.5 62.3 93.5
62 73.8 60.5 90.7

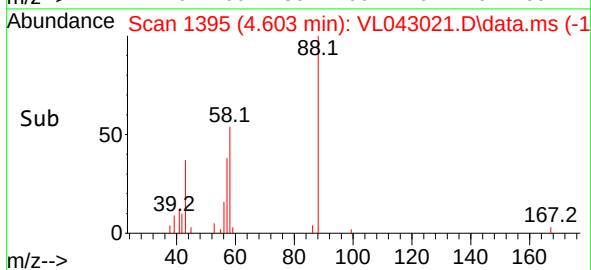
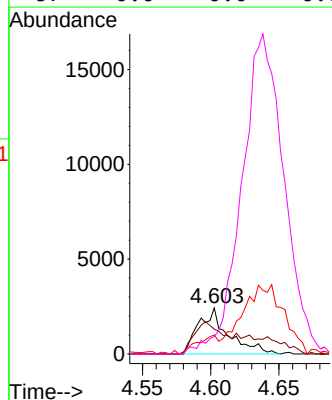
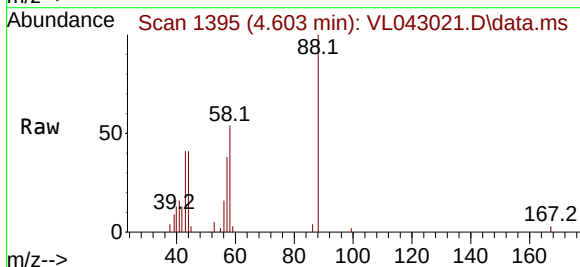
Manual Integrations
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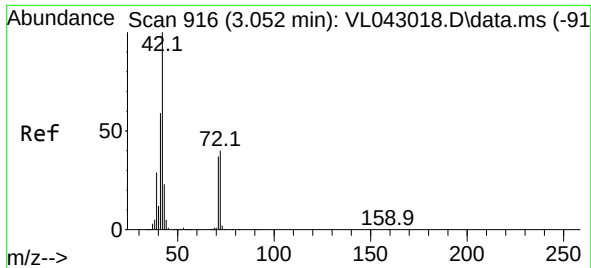
Reviewed By :Semsettin Yesilyurt 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025



#40
1,4-Dioxane
Concen: 0.519 ppbv m
RT: 4.603 min Scan# 1395
Delta R.T. 0.019 min
Lab File: VL043021.D
Acq: 30 Sep 2025 10:46

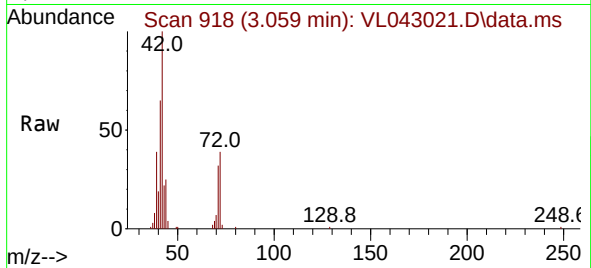
Tgt Ion: 88 Resp: 3688
Ion Ratio Lower Upper
88 100
58 123.1 55.9 83.9#
43 0.0 25.5 38.3#
57 0.0 0.0 0.0





#41
Tetrahydrofuran
Concen: 0.482 ppbv
RT: 3.059 min Scan# 916
Delta R.T. 0.006 min
Lab File: VL043021.D
Acq: 30 Sep 2025 10:46

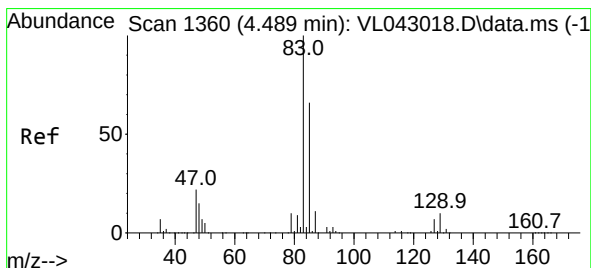
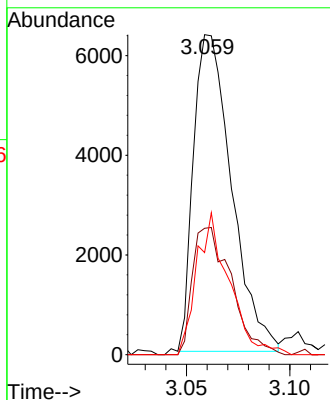
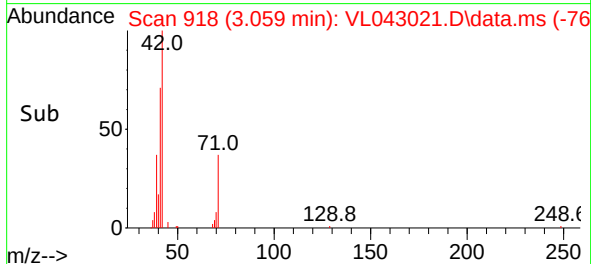
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



Tgt Ion: 42 Resp: 8160
Ion Ratio Lower Upper
42 100
72 41.1 31.6 47.4
71 38.0 30.4 45.6

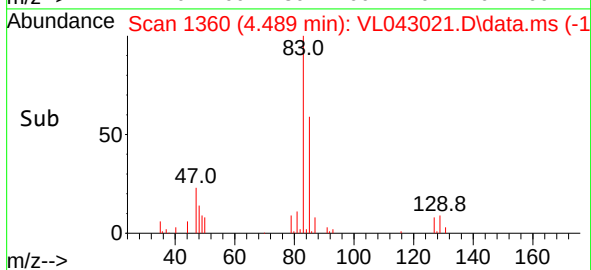
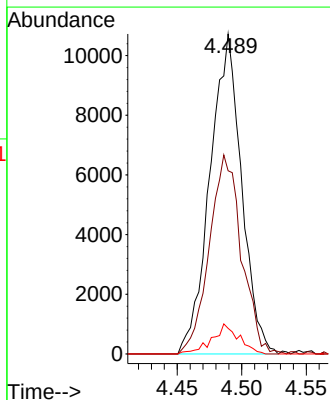
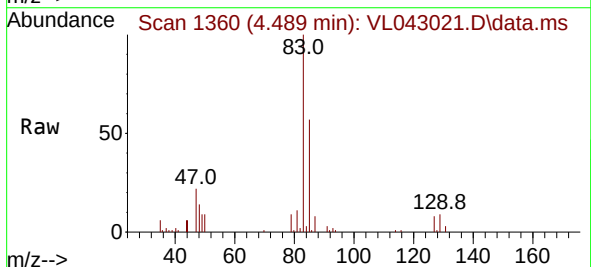
Manual Integrations
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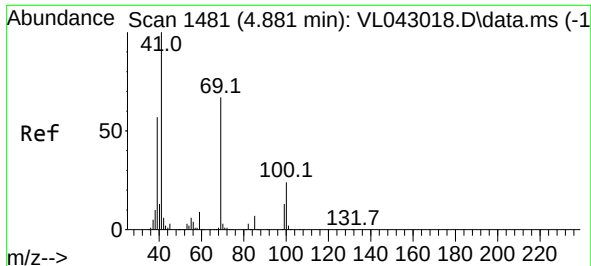
Reviewed By :Semsettin Yesilyurt 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025



#42
Bromodichloromethane
Concen: 0.508 ppbv
RT: 4.489 min Scan# 1360
Delta R.T. -0.000 min
Lab File: VL043021.D
Acq: 30 Sep 2025 10:46

Tgt Ion: 83 Resp: 18250
Ion Ratio Lower Upper
83 100
85 57.2 52.6 78.8
127 8.0 5.7 8.5





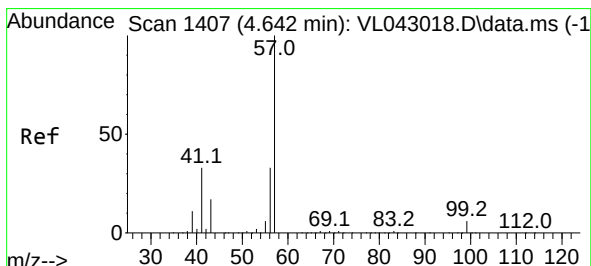
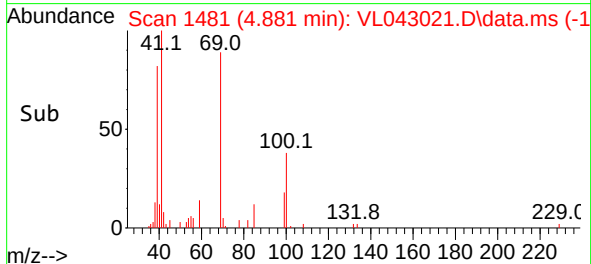
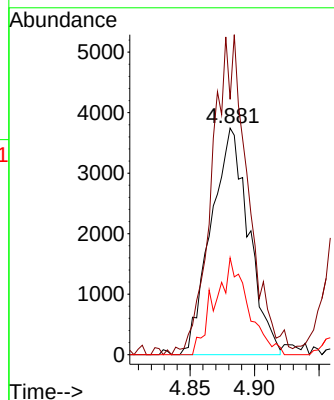
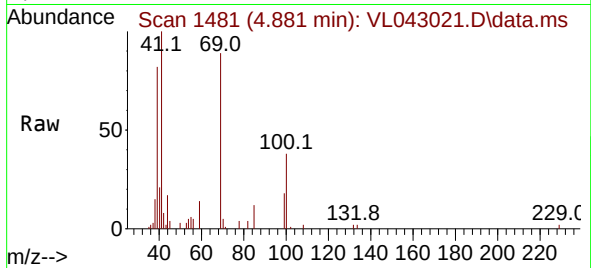
#43
Methyl Methacrylate
Concen: 0.478 ppbv
RT: 4.881 min Scan# 1481
Delta R.T. -0.000 min
Lab File: VL043021.D
Acq: 30 Sep 2025 10:46

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 69 Resp: 7610
Ion Ratio Lower Upper
69 100
41 135.3 117.7 176.5
100 37.4 29.1 43.7

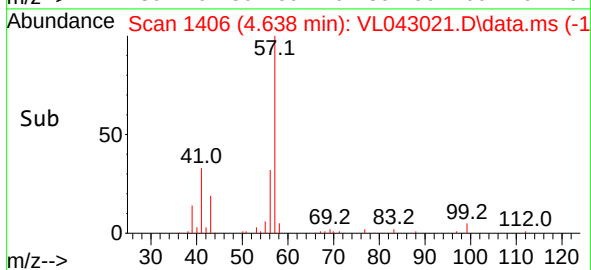
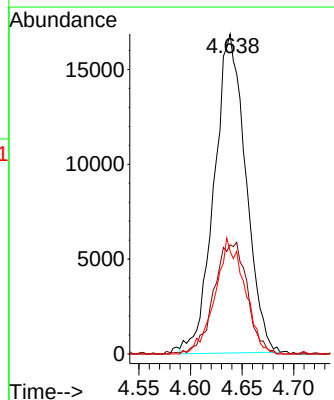
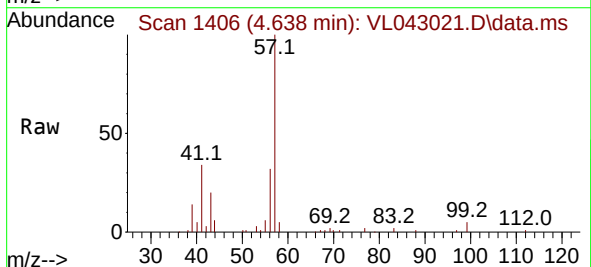
Manual Integrations
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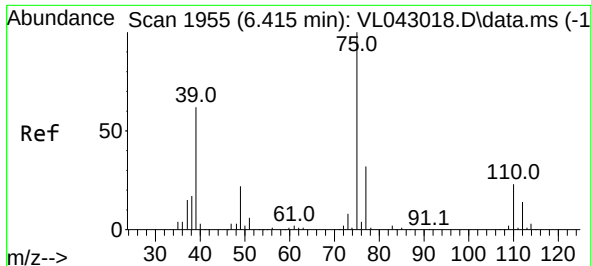
Reviewed By :Semsettin Yesilyurt 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025



#44
2,2,4-Trimethylpentane
Concen: 0.480 ppbv
RT: 4.638 min Scan# 1406
Delta R.T. -0.003 min
Lab File: VL043021.D
Acq: 30 Sep 2025 10:46

Tgt Ion: 57 Resp: 35837
Ion Ratio Lower Upper
57 100
41 36.8 26.2 39.2
56 34.1 25.9 38.9





#45

t-1,3-Dichloropropene

Concen: 0.446 ppbv

RT: 6.415 min Scan# 1955

Delta R.T. -0.000 min

Lab File: VL043021.D

Acq: 30 Sep 2025 10:46

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.5

Tgt Ion: 75 Resp: 8074

Ion Ratio Lower Upper

75 100

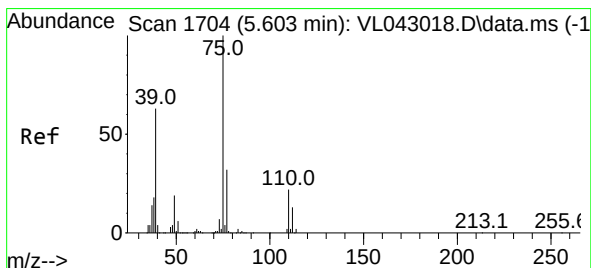
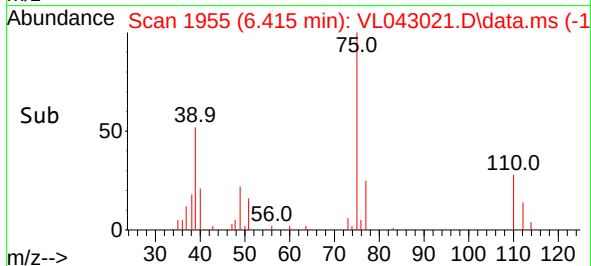
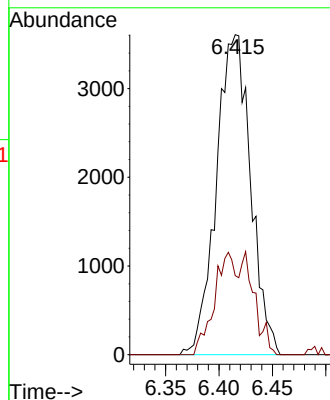
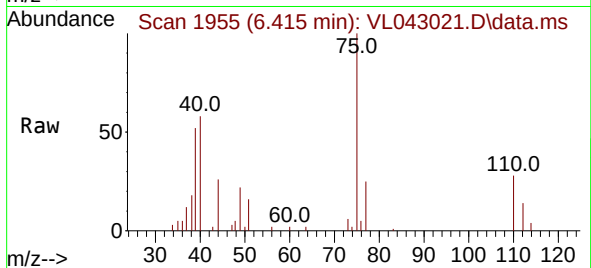
77 24.7 25.8 38.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/01/2025

Supervised By :Mahesh Dadoda 10/03/2025



#46

cis-1,3-Dichloropropene

Concen: 0.478 ppbv m

RT: 5.603 min Scan# 1704

Delta R.T. -0.000 min

Lab File: VL043021.D

Acq: 30 Sep 2025 10:46

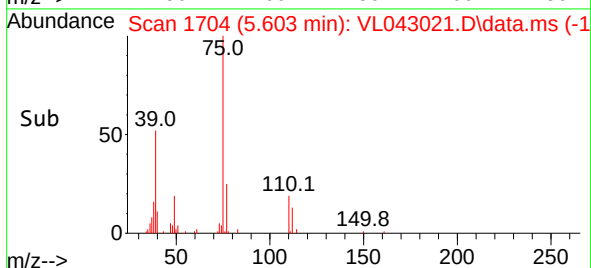
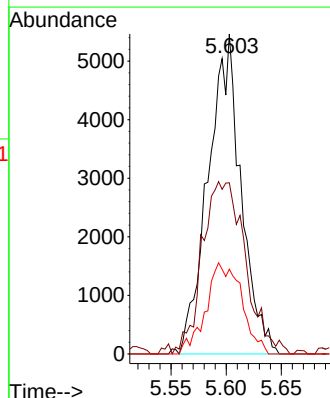
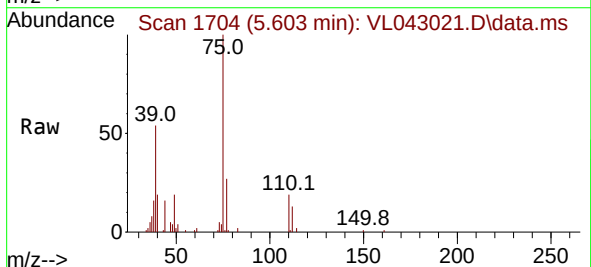
Tgt Ion: 75 Resp: 11296

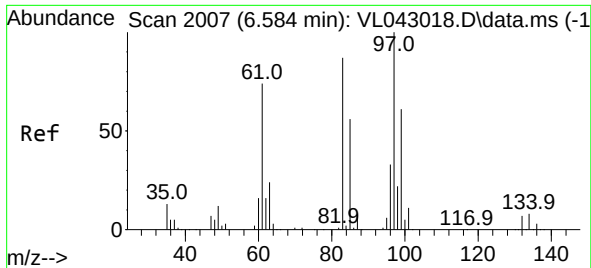
Ion Ratio Lower Upper

75 100

39 53.5 50.2 75.2

77 26.5 25.4 38.0





#47
1,1,2-Trichloroethane
Concen: 0.526 ppbv
RT: 6.583 min Scan# 2007
Delta R.T. -0.000 min
Lab File: VL043021.D
Acq: 30 Sep 2025 10:46

Instrument :

MSVOA_L

ClientSampleId :

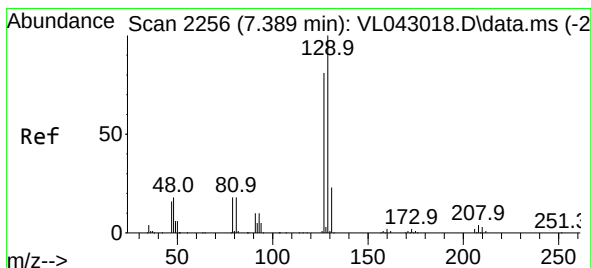
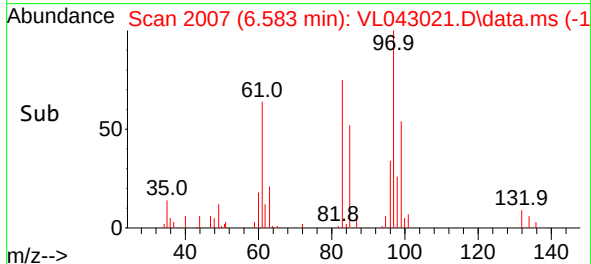
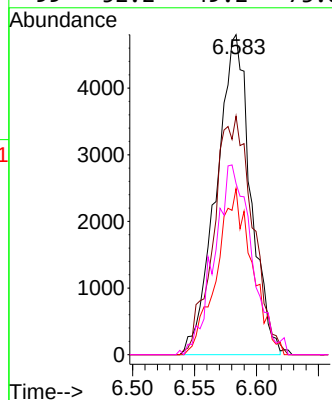
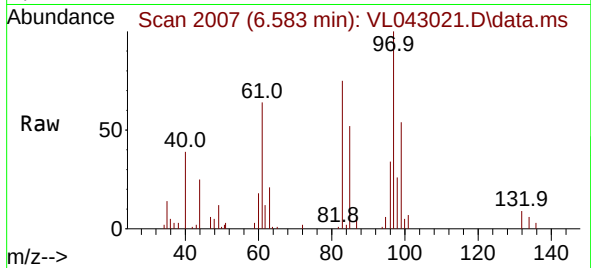
VSTDICC0.5

Tgt Ion: 97 Resp: 9280
Ion Ratio Lower Upper
97 100
83 74.6 69.6 104.4
85 51.9 44.6 66.8
99 52.2 49.2 73.8

Manual Integrations

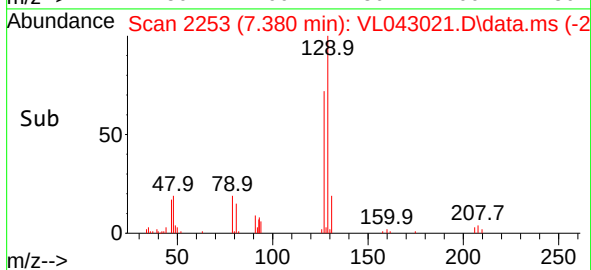
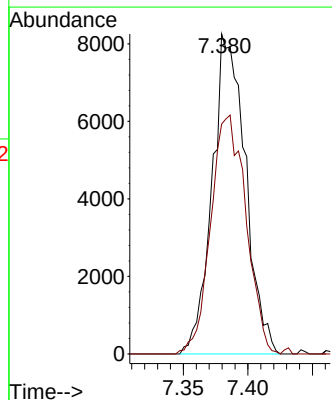
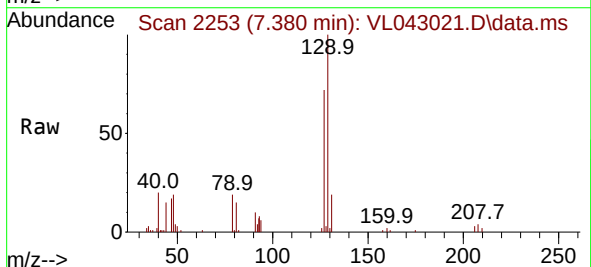
APPROVED

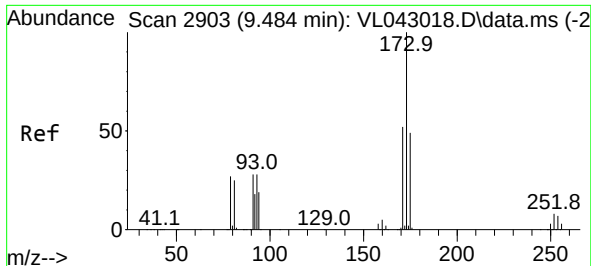
Reviewed By :Semsettin Yesilyurt 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025



#48
Dibromochloromethane
Concen: 0.484 ppbv
RT: 7.380 min Scan# 2253
Delta R.T. -0.010 min
Lab File: VL043021.D
Acq: 30 Sep 2025 10:46

Tgt Ion:129 Resp: 14716
Ion Ratio Lower Upper
129 100
127 79.6 38.6 116.0





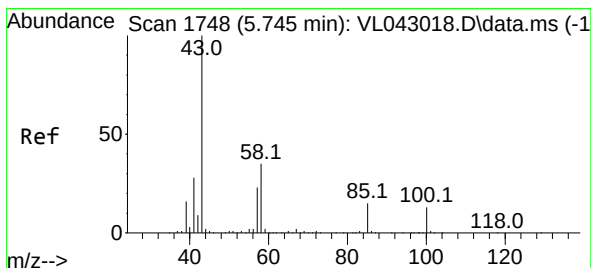
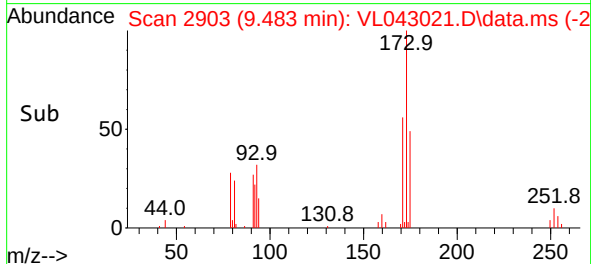
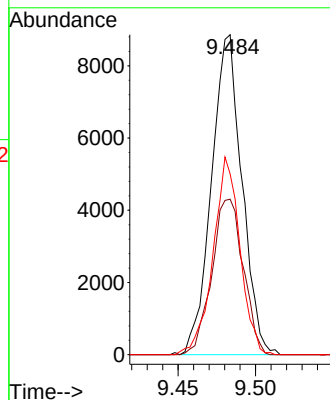
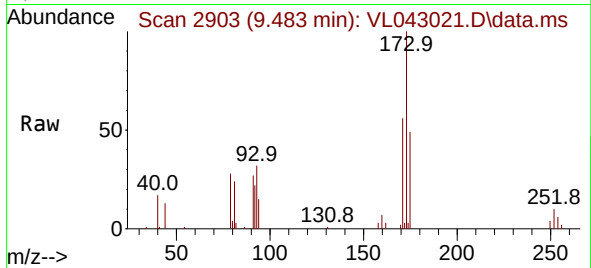
#49
Bromoform
Concen: 0.469 ppbv
RT: 9.483 min Scan# 2903
Delta R.T. -0.000 min
Lab File: VL043021.D
Acq: 30 Sep 2025 10:46

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion:173 Resp: 1211
Ion Ratio Lower Upper
173 100
175 50.2 39.1 58.7
171 54.5 41.4 62.0

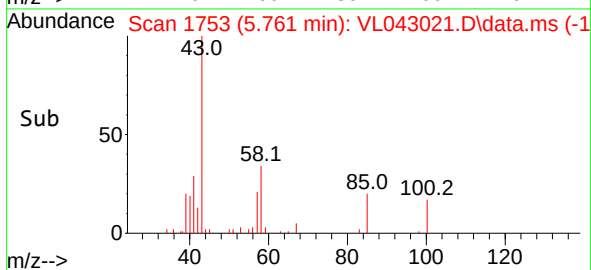
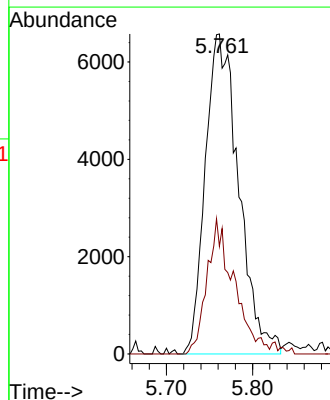
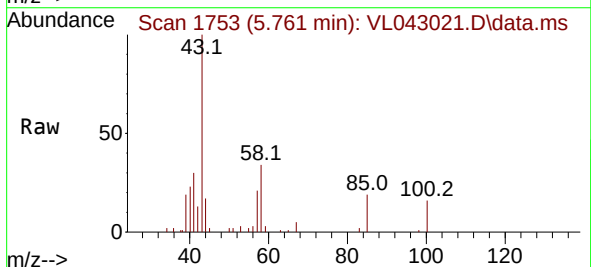
Manual Integrations
APPROVED

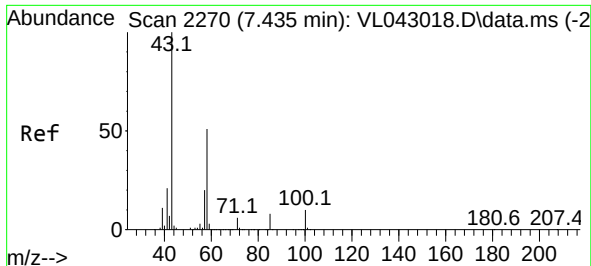
Reviewed By :Semsettin Yesilyurt 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025



#50
4-Methyl-2-Pentanone
Concen: 0.437 ppbv m
RT: 5.761 min Scan# 1753
Delta R.T. 0.016 min
Lab File: VL043021.D
Acq: 30 Sep 2025 10:46

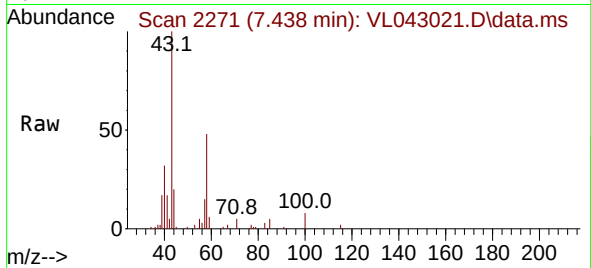
Tgt Ion: 43 Resp: 17711
Ion Ratio Lower Upper
43 100
58 35.3 29.4 44.2





#51
2-Hexanone
Concen: 0.412 ppbv
RT: 7.438 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL043021.D
Acq: 30 Sep 2025 10:46

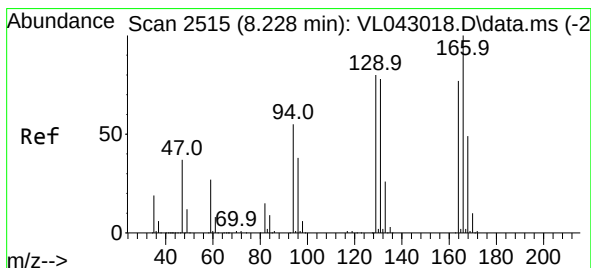
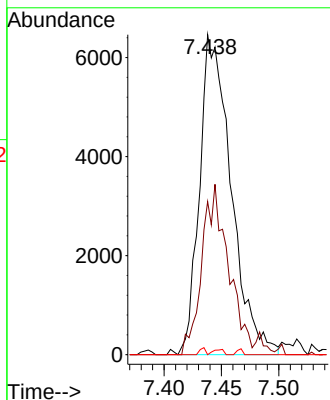
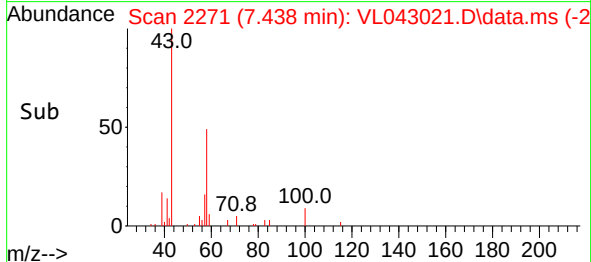
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



Tgt Ion: 43 Resp: 1234
Ion Ratio Lower Upper
43 100
58 47.0 39.8 59.6
98 1.2 0.2 0.4

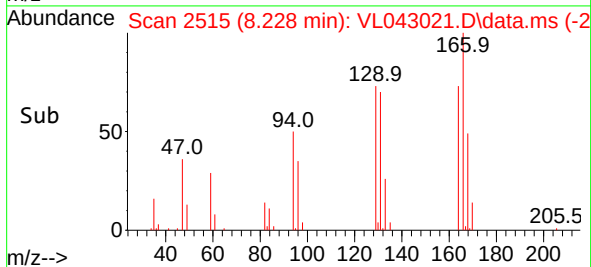
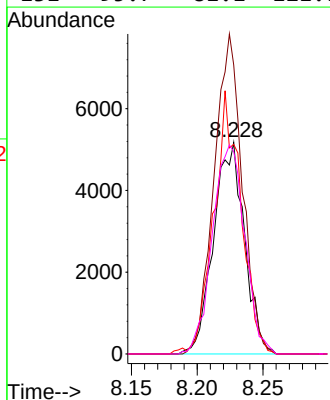
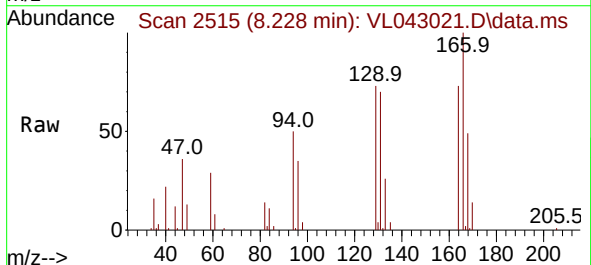
Manual Integrations
APPROVED

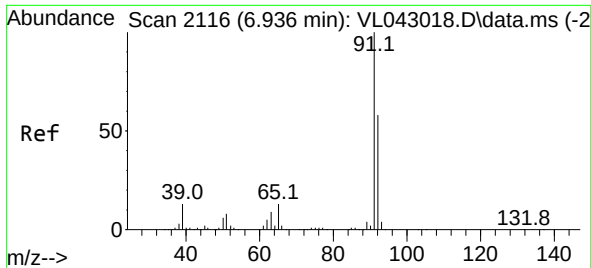
Reviewed By :Semsettin Yesilyurt 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025



#52
Tetrachloroethene
Concen: 0.467 ppbv m
RT: 8.228 min Scan# 2515
Delta R.T. -0.000 min
Lab File: VL043021.D
Acq: 30 Sep 2025 10:46

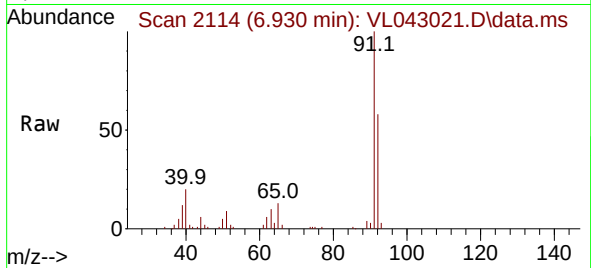
Tgt Ion:164 Resp: 8429
Ion Ratio Lower Upper
164 100
166 136.6 103.5 155.3
129 99.1 82.6 124.0
131 95.7 81.1 121.7





#53
Toluene
Concen: 0.456 ppbv
RT: 6.930 min Scan# 2116
Delta R.T. -0.007 min
Lab File: VL043021.D
Acq: 30 Sep 2025 10:46

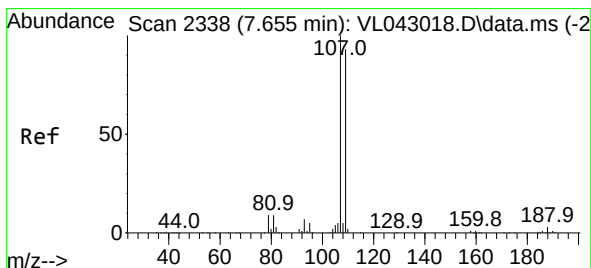
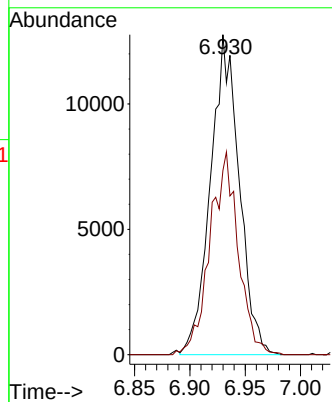
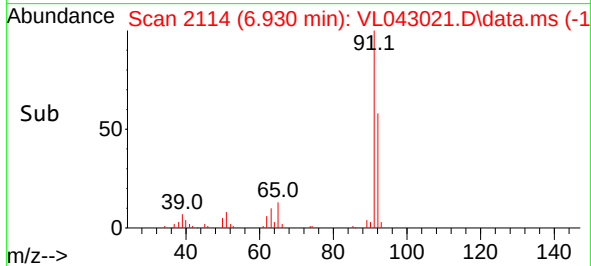
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5



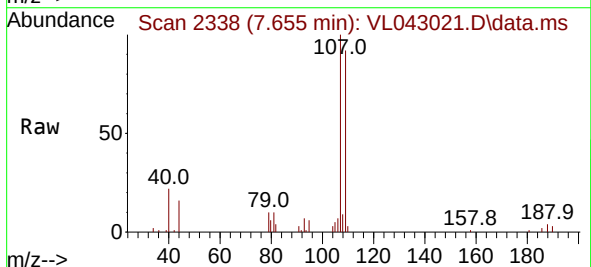
Tgt Ion: 91 Resp: 23020
Ion Ratio Lower Upper
91 100
92 62.7 47.8 71.6

Manual Integrations
APPROVED

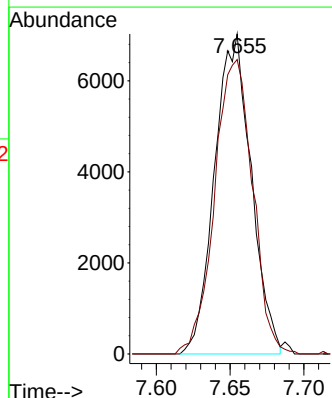
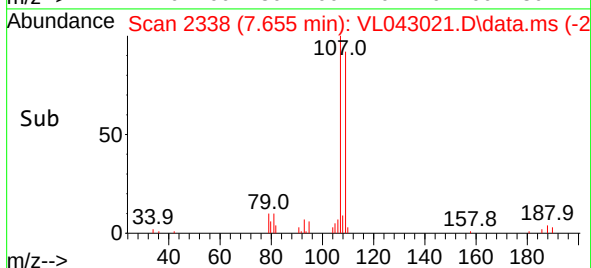
Reviewed By :Semsettin Yesilyurt 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

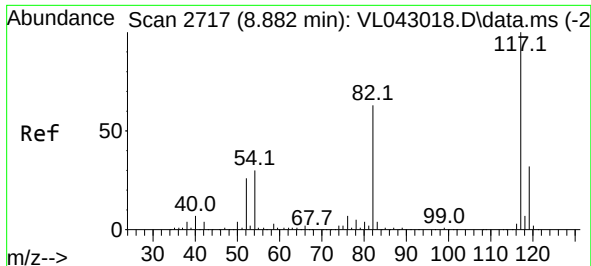


#54
1,2-Dibromoethane
Concen: 0.492 ppbv
RT: 7.655 min Scan# 2338
Delta R.T. -0.000 min
Lab File: VL043021.D
Acq: 30 Sep 2025 10:46



Tgt Ion:107 Resp: 12116
Ion Ratio Lower Upper
107 100
109 90.2 74.6 111.8





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.881 min Scan# 21

Delta R.T. -0.000 min

Lab File: VL043021.D

Acq: 30 Sep 2025 10:46

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.5

Tgt Ion:117 Resp: 395860

Ion Ratio Lower Upper

117 100

82 63.1 52.6 78.8

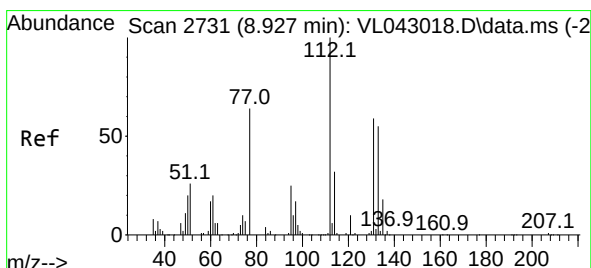
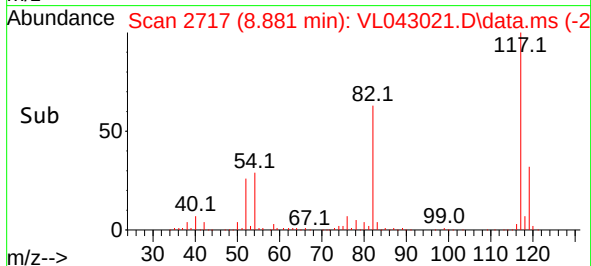
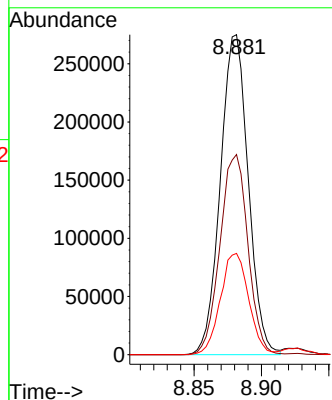
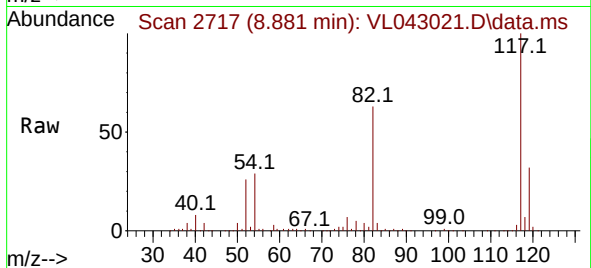
119 34.0 25.8 38.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/01/2025

Supervised By :Mahesh Dadoda 10/03/2025



#56

1,1,1,2-Tetrachloroethane

Concen: 0.526 ppbv

RT: 8.924 min Scan# 2730

Delta R.T. -0.003 min

Lab File: VL043021.D

Acq: 30 Sep 2025 10:46

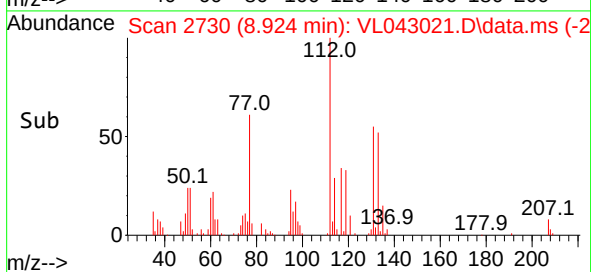
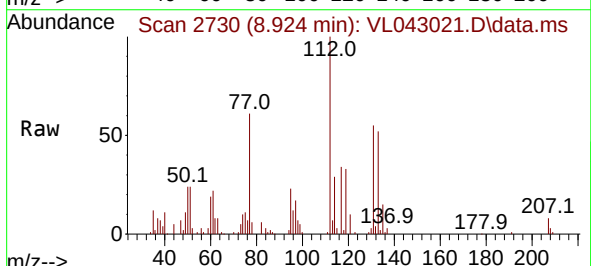
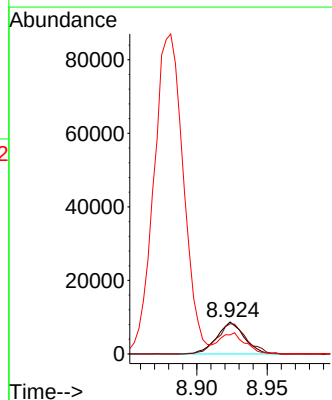
Tgt Ion:131 Resp: 11805

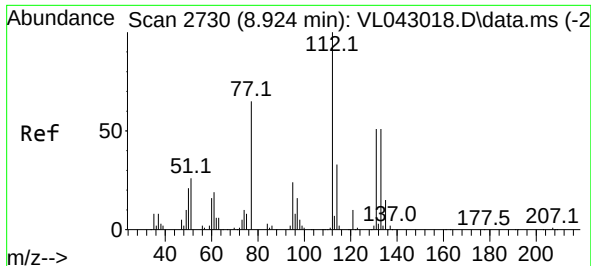
Ion Ratio Lower Upper

131 100

133 101.1 76.6 114.8

119 1141.0 49.8 74.6#





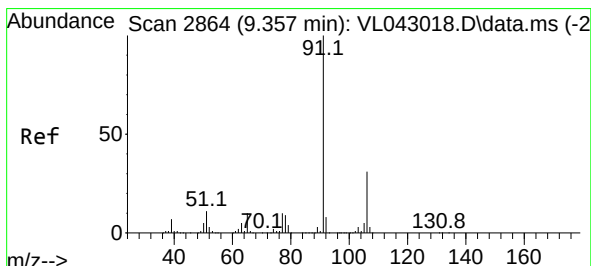
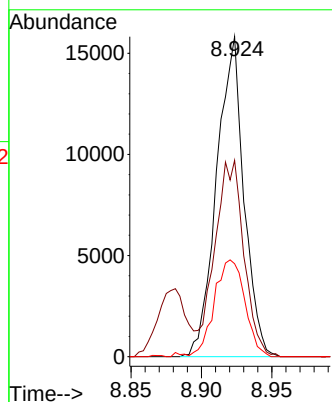
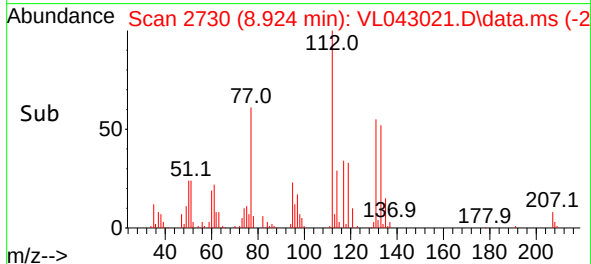
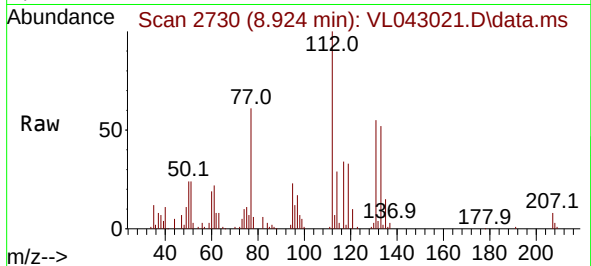
#57
Chlorobenzene
Concen: 0.523 ppbv
RT: 8.924 min Scan# 21329
Delta R.T. -0.000 min
Lab File: VL043021.D
Acq: 30 Sep 2025 10:46

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 112 Resp: 21329
Ion Ratio Lower Upper
112 100
77 61.3 52.7 79.1
114 29.1 29.5 36.1

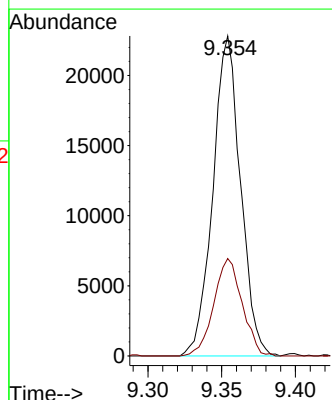
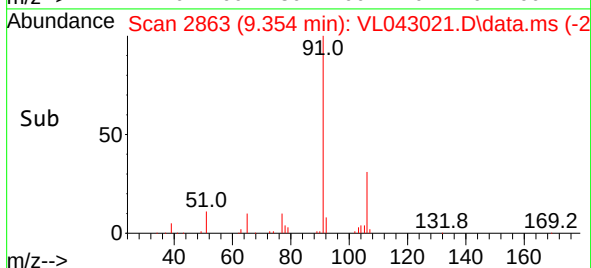
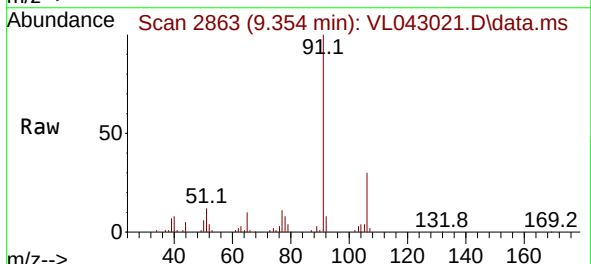
Manual Integrations
APPROVED

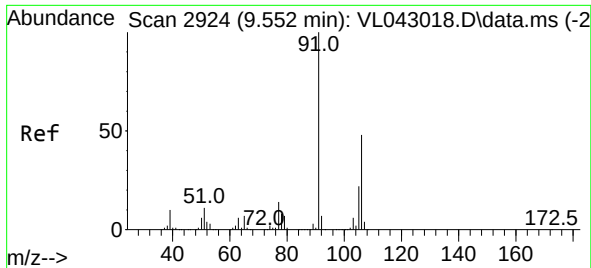
Reviewed By :Semsettin Yesilyurt 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025



#58
Ethyl Benzene
Concen: 0.443 ppbv
RT: 9.354 min Scan# 2863
Delta R.T. -0.003 min
Lab File: VL043021.D
Acq: 30 Sep 2025 10:46

Tgt Ion: 91 Resp: 29739
Ion Ratio Lower Upper
91 100
106 30.4 24.8 37.2





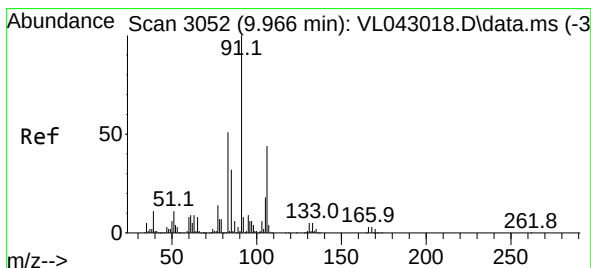
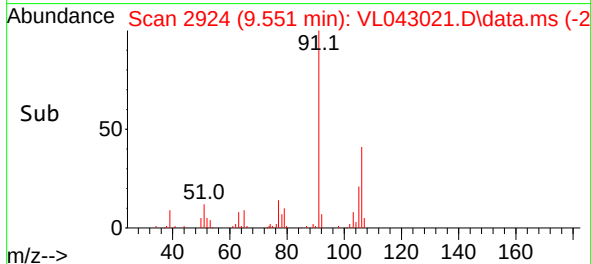
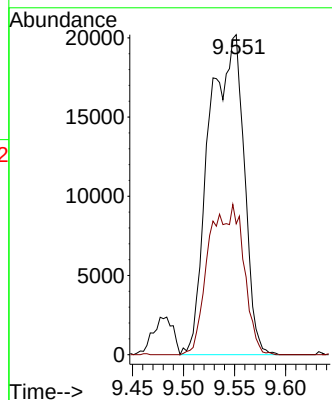
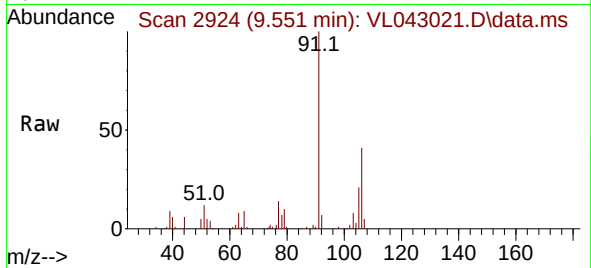
#59
m/p-Xylene
Concen: 0.890 ppbv m
RT: 9.551 min Scan# 2924
Delta R.T. -0.000 min
Lab File: VL043021.D
Acq: 30 Sep 2025 10:46

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 91 Resp: 4802
Ion Ratio Lower Upper
91 100
106 47.2 0.0 0.0

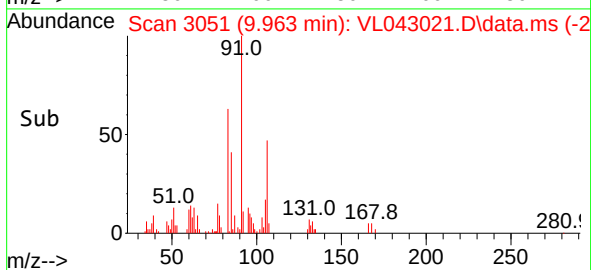
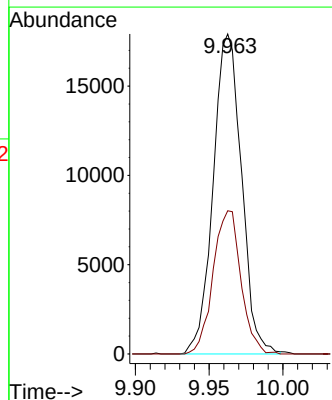
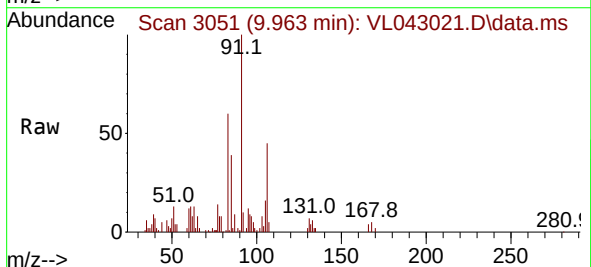
Manual Integrations
APPROVED

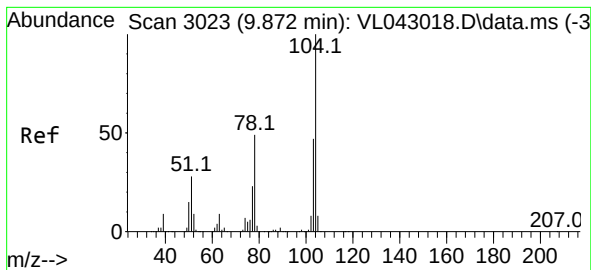
Reviewed By :Semsettin Yesilyurt 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025



#60
o-Xylene
Concen: 0.446 ppbv
RT: 9.963 min Scan# 3051
Delta R.T. -0.003 min
Lab File: VL043021.D
Acq: 30 Sep 2025 10:46

Tgt Ion: 91 Resp: 23925
Ion Ratio Lower Upper
91 100
106 43.9 22.2 66.6





#61

Styrene

Concen: 0.418 ppbv

RT: 9.872 min Scan# 3023

Delta R.T. -0.000 min

Lab File: VL043021.D

Acq: 30 Sep 2025 10:46

Instrument :

MSVOA_L

ClientSampleId :

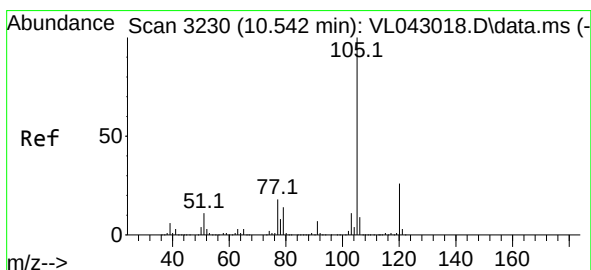
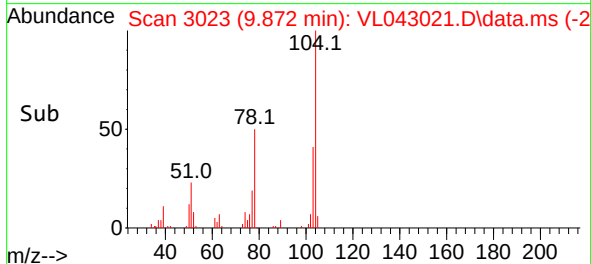
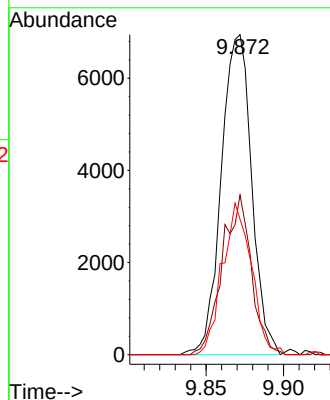
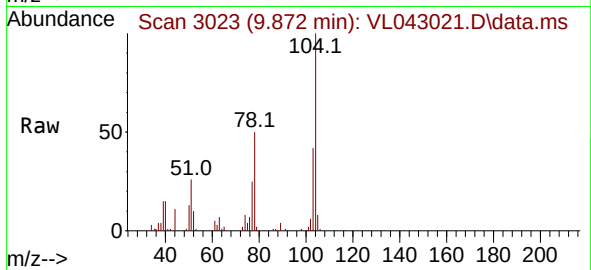
VSTDICC0.5

Tgt Ion:	104	Resp:	948
Ion Ratio	Lower	Upper	
104	100		
78	47.6	39.0	58.4
103	45.6	37.4	56.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025



#62

Isopropylbenzene

Concen: 0.460 ppbv

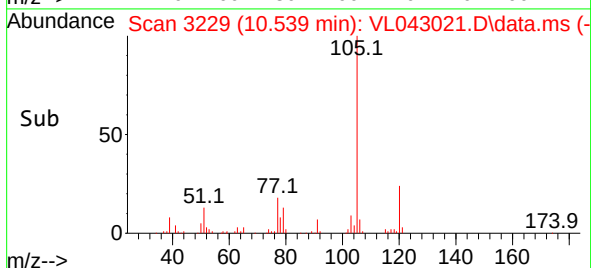
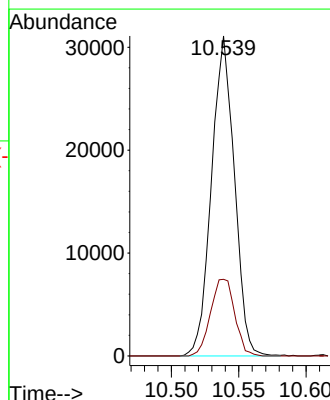
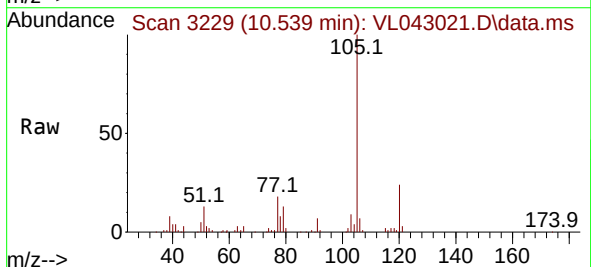
RT: 10.539 min Scan# 3229

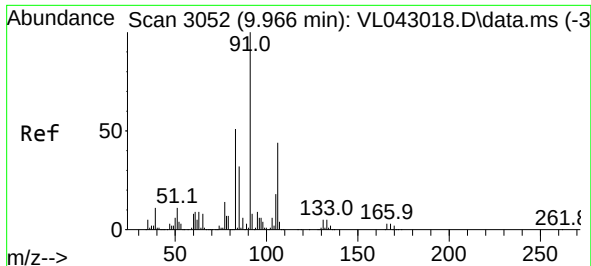
Delta R.T. -0.003 min

Lab File: VL043021.D

Acq: 30 Sep 2025 10:46

Tgt Ion:	105	Resp:	36770
Ion Ratio	Lower	Upper	
105	100		
120	25.3	20.7	31.1





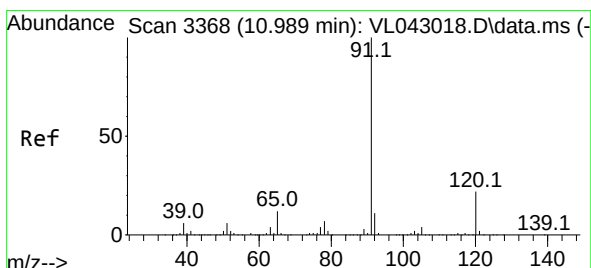
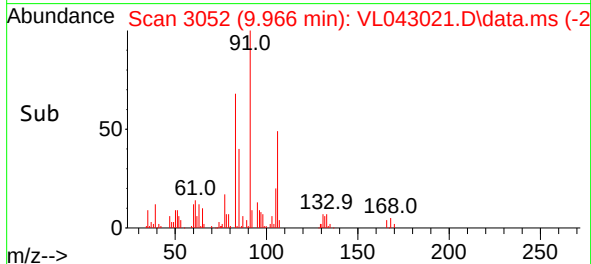
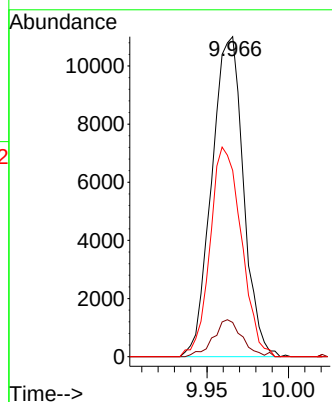
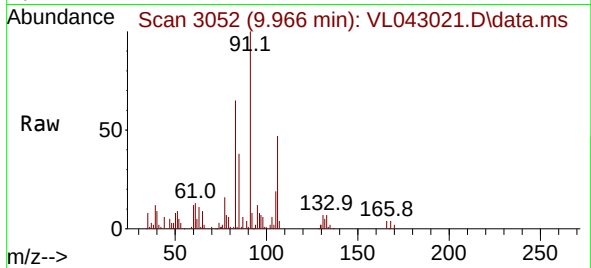
#63
1,1,2,2-Tetrachloroethane
Concen: 0.514 ppbv
RT: 9.966 min Scan# 3052
Delta R.T. -0.000 min
Lab File: VL043021.D
Acq: 30 Sep 2025 10:46

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 83 Resp: 14892
Ion Ratio Lower Upper
83 100
131 10.5 5.0 14.9
85 64.7 32.2 96.6

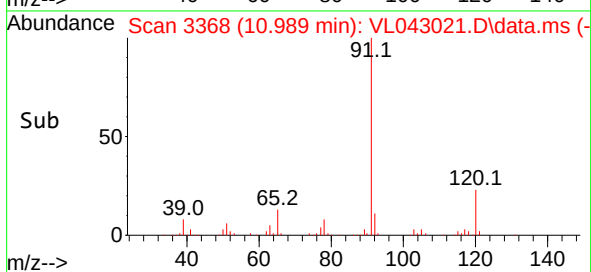
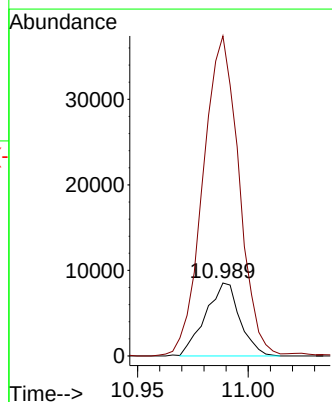
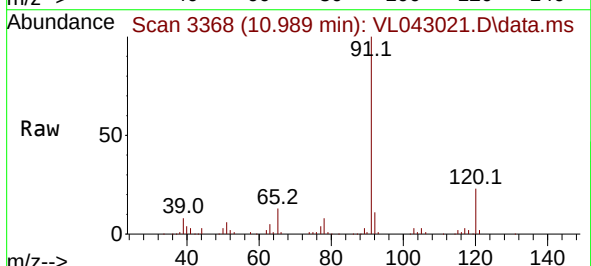
Manual Integrations
APPROVED

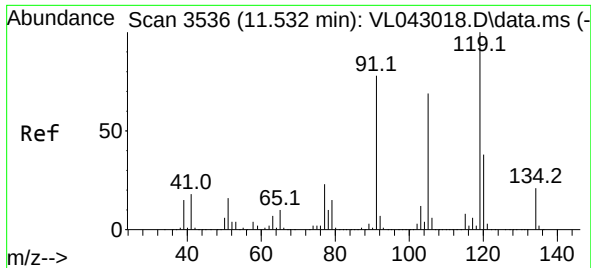
Reviewed By :Semsettin Yesilyurt 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025



#64
n-propylbenzene
Concen: 0.442 ppbv
RT: 10.989 min Scan# 3368
Delta R.T. -0.000 min
Lab File: VL043021.D
Acq: 30 Sep 2025 10:46

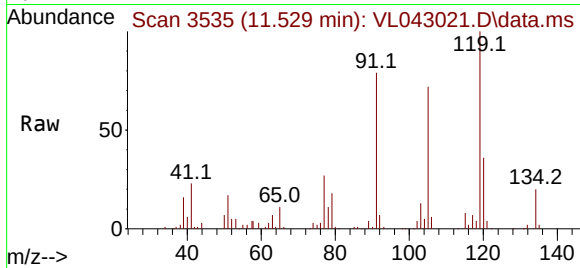
Tgt Ion:120 Resp: 9205
Ion Ratio Lower Upper
120 100
91 465.1 365.7 548.5





#65
tert-Butylbenzene
Concen: 0.446 ppbv
RT: 11.529 min Scan# 3535
Delta R.T. -0.003 min
Lab File: VL043021.D
Acq: 30 Sep 2025 10:46

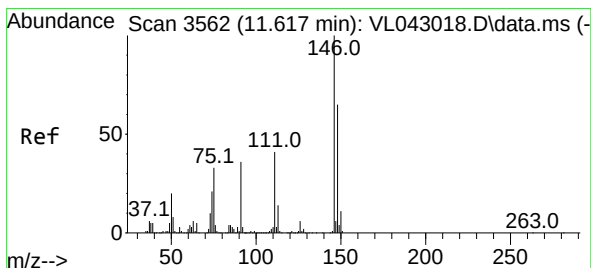
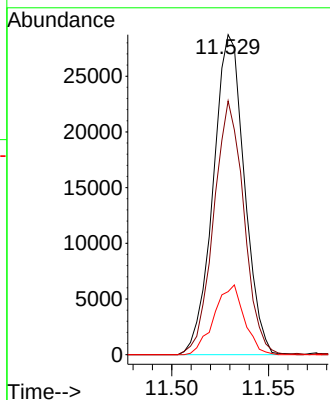
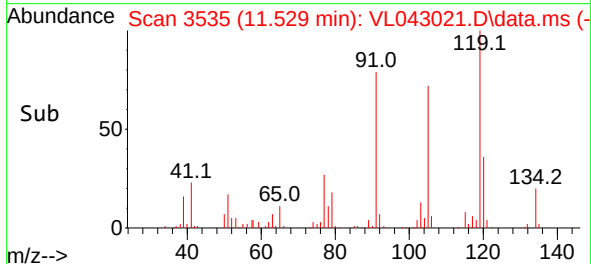
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5



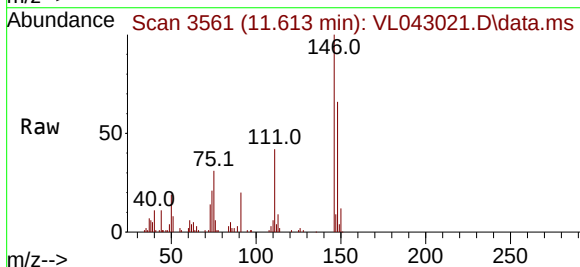
Tgt Ion: 119 Resp: 3224
Ion Ratio Lower Upper
119 100
91 76.9 62.6 93.8
134 21.0 16.7 25.1

Manual Integrations
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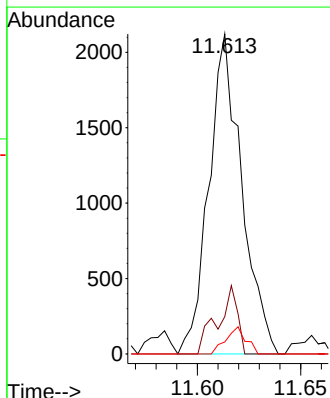
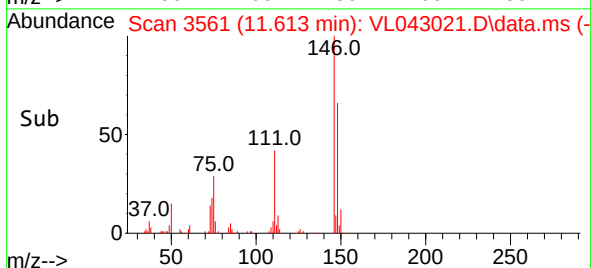
Reviewed By :Semsettin Yesilyurt 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

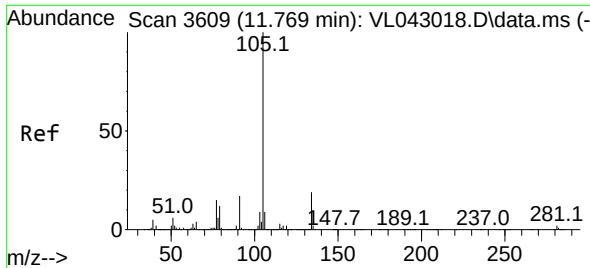


#66
Benzyl Chloride
Concen: 0.405 ppbv
RT: 11.613 min Scan# 3561
Delta R.T. -0.003 min
Lab File: VL043021.D
Acq: 30 Sep 2025 10:46



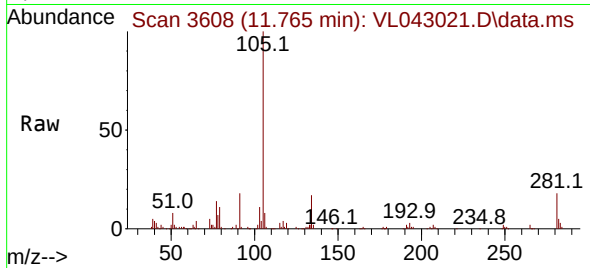
Tgt Ion: 91 Resp: 2340
Ion Ratio Lower Upper
91 100
126 12.9 14.1 21.1#
128 5.2 4.9 7.3





#67
 sec-Butylbenzene
 Concen: 0.454 ppbv
 RT: 11.765 min Scan# 310
 Delta R.T. -0.003 min
 Lab File: VL043021.D
 Acq: 30 Sep 2025 10:46

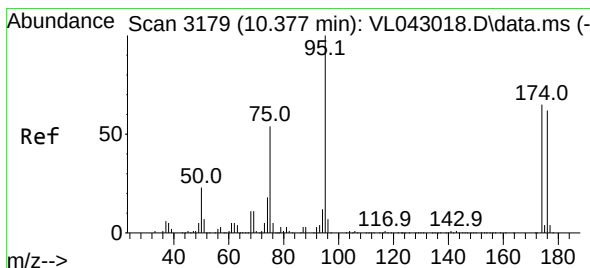
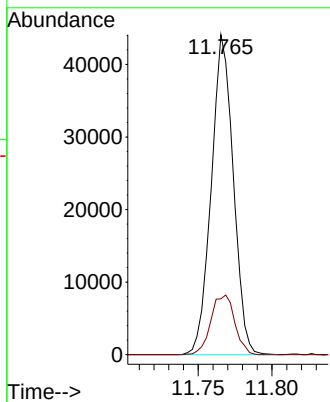
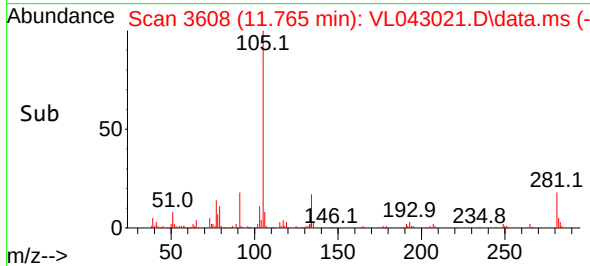
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5



Tgt Ion:105 Resp: 45774
 Ion Ratio Lower Upper
 105 100
 134 20.2 15.4 23.2

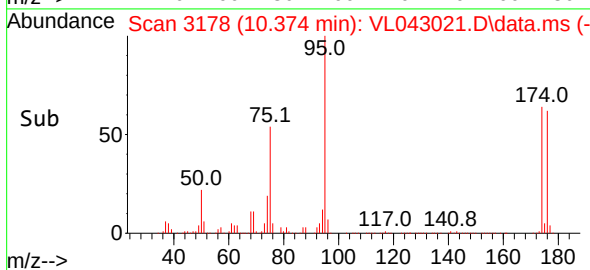
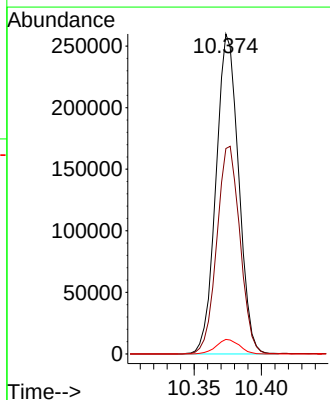
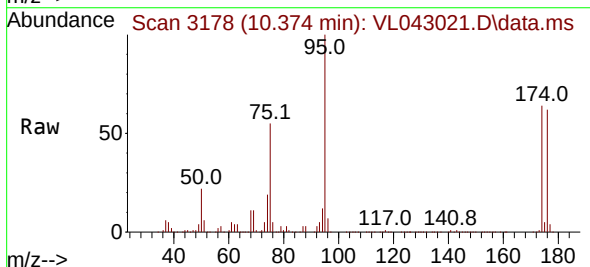
Manual Integrations
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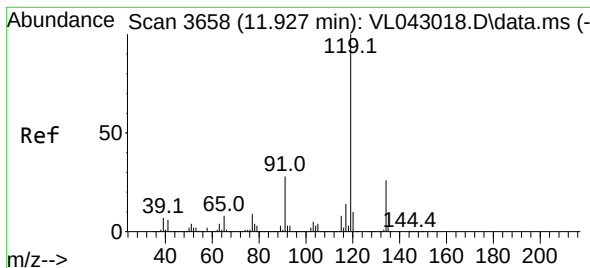
Reviewed By :Semsettin Yesilyurt 10/01/2025
 Supervised By :Mahesh Dadoda 10/03/2025



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.112 ppbv
 RT: 10.374 min Scan# 3178
 Delta R.T. -0.003 min
 Lab File: VL043021.D
 Acq: 30 Sep 2025 10:46

Tgt Ion: 95 Resp: 303233
 Ion Ratio Lower Upper
 95 100
 174 66.5 53.4 80.2
 175 4.7 3.8 5.8





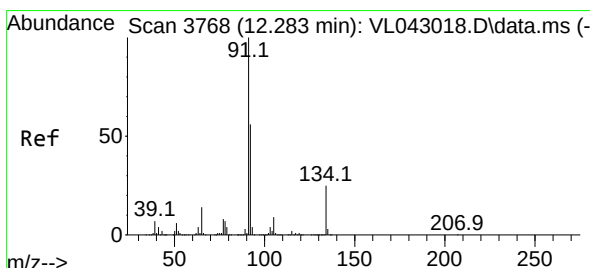
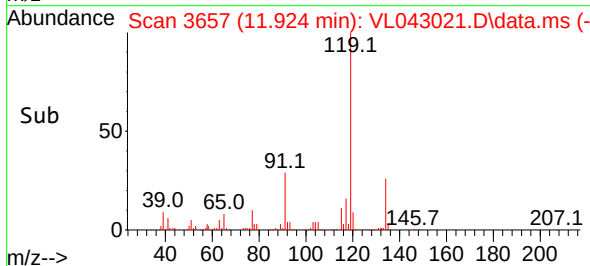
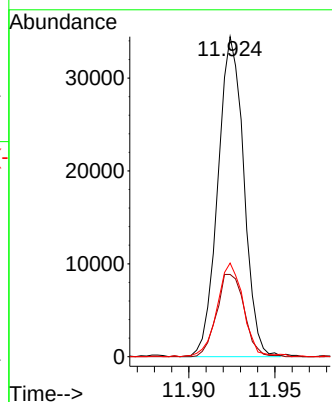
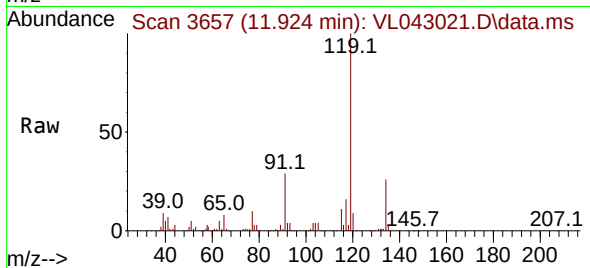
#69
p-Isopropyltoluene
Concen: 0.430 ppbv
RT: 11.924 min Scan# 3657
Delta R.T. -0.003 min
Lab File: VL043021.D
Acq: 30 Sep 2025 10:46

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 119 Resp: 3608
Ion Ratio Lower Upper
119 100
134 27.4 20.3 30.5
91 29.7 22.1 33.1

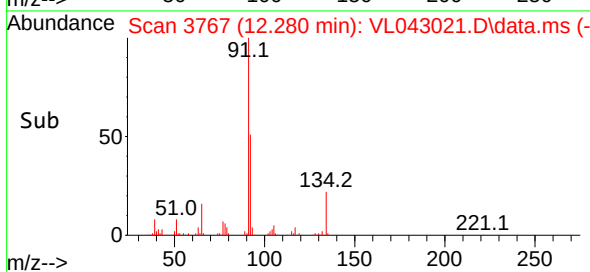
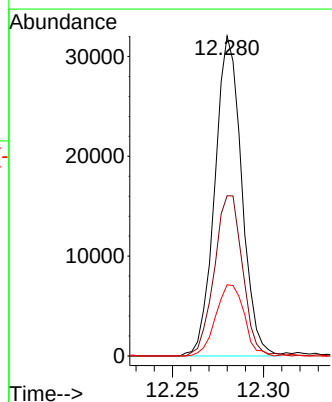
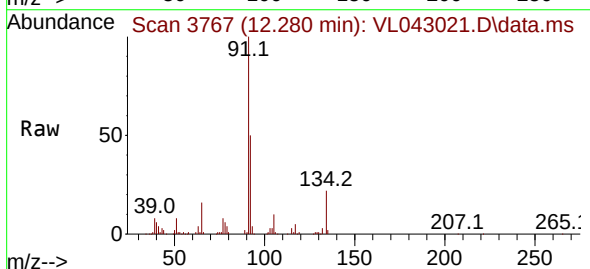
Manual Integrations
APPROVED

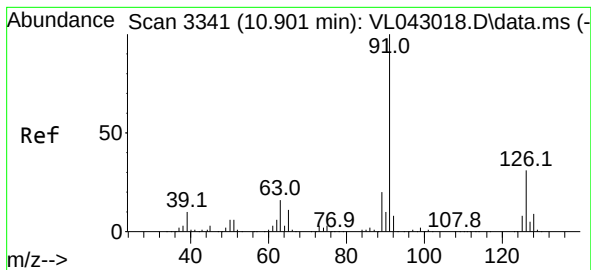
Reviewed By :Semsettin Yesilyurt 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025



#70
n-Butylbenzene
Concen: 0.404 ppbv
RT: 12.280 min Scan# 3767
Delta R.T. -0.003 min
Lab File: VL043021.D
Acq: 30 Sep 2025 10:46

Tgt Ion: 91 Resp: 32792
Ion Ratio Lower Upper
91 100
92 52.9 44.2 66.4
134 23.7 19.5 29.3





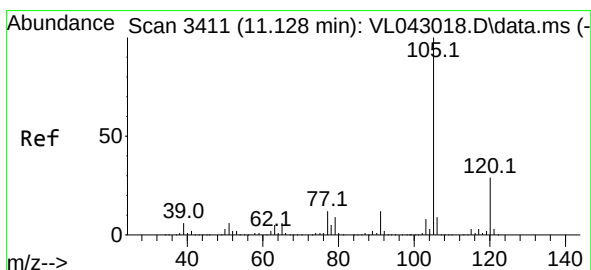
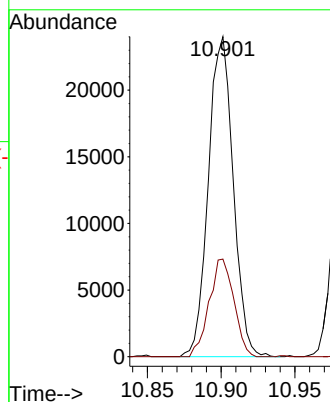
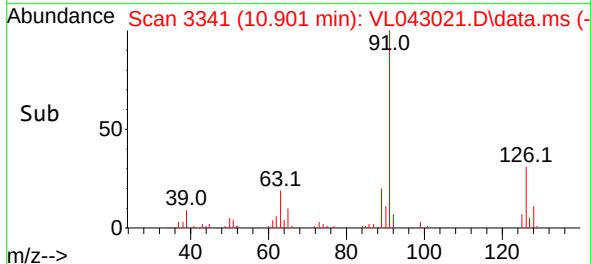
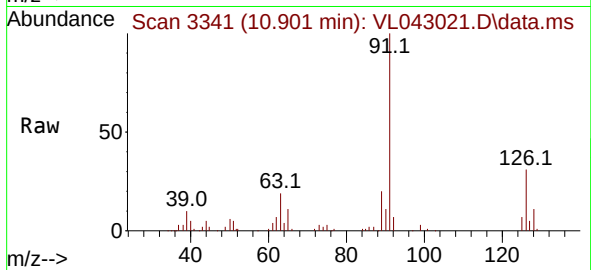
#71
2-Chlorotoluene
Concen: 0.472 ppbv
RT: 10.901 min Scan# 31
Delta R.T. -0.000 min
Lab File: VL043021.D
Acq: 30 Sep 2025 10:46

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 91 Resp: 2812
Ion Ratio Lower Upper
91 100
126 30.3 12.3 49.3

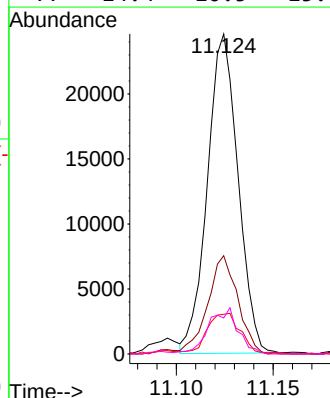
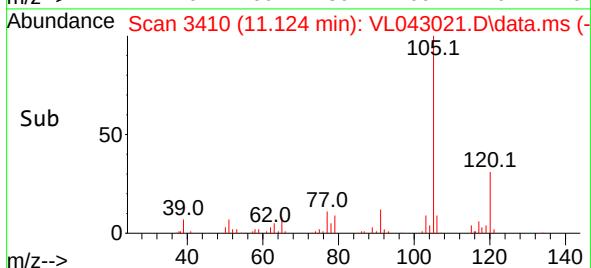
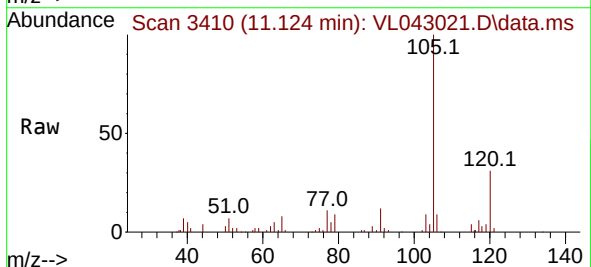
Manual Integrations
APPROVED

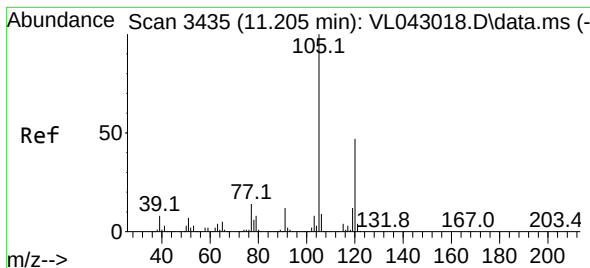
Reviewed By :Semsettin Yesilyurt 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025



#72
4-Ethyltoluene
Concen: 0.410 ppbv
RT: 11.124 min Scan# 3410
Delta R.T. -0.003 min
Lab File: VL043021.D
Acq: 30 Sep 2025 10:46

Tgt Ion:105 Resp: 27062
Ion Ratio Lower Upper
105 100
120 31.2 23.6 35.4
91 15.0 10.0 15.0#
77 14.4 10.5 15.7





#73

1,3,5-Trimethylbenzene

Concen: 0.430 ppbv

RT: 11.202 min Scan# 3435

Delta R.T. -0.003 min

Lab File: VL043021.D

Acq: 30 Sep 2025 10:46

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tgt Ion:105 Resp: 2394

Ion Ratio Lower Upper

105 100

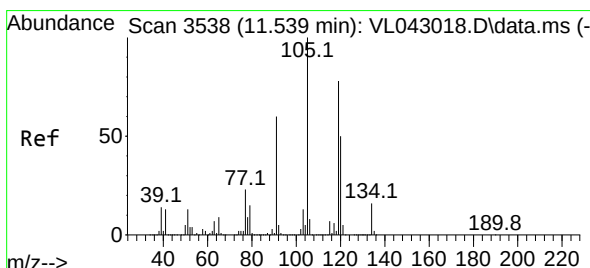
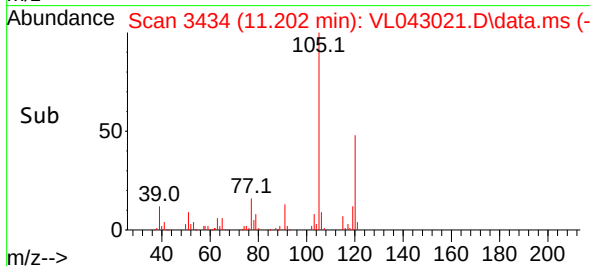
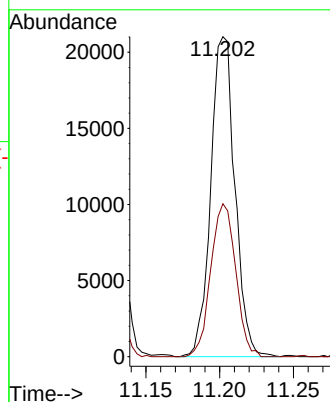
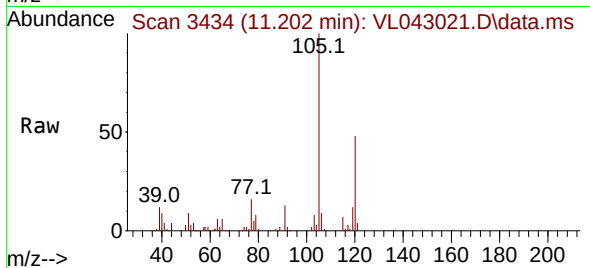
120 47.8 37.4 56.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/01/2025

Supervised By :Mahesh Dadoda 10/03/2025



#74

1,2,4-Trimethylbenzene

Concen: 0.447 ppbv

RT: 11.536 min Scan# 3537

Delta R.T. -0.003 min

Lab File: VL043021.D

Acq: 30 Sep 2025 10:46

Tgt Ion:105 Resp: 28079

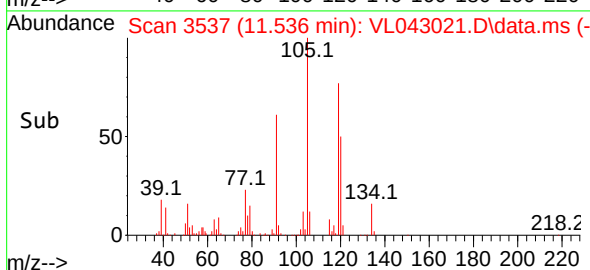
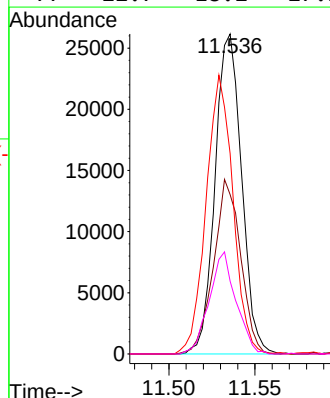
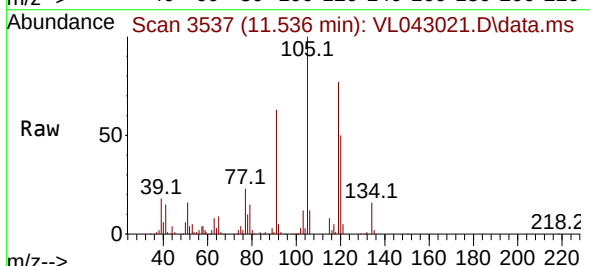
Ion Ratio Lower Upper

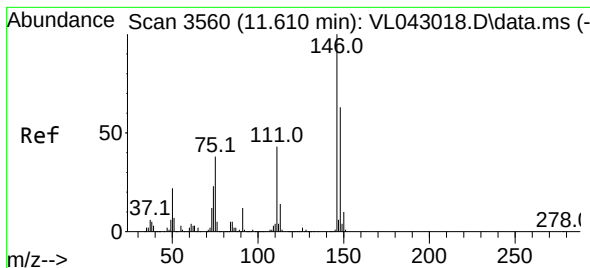
105 100

120 49.8 40.3 60.5

91 62.2 47.7 71.5

77 22.7 18.2 27.2





#75

1,3-Dichlorobenzene

Concen: 0.505 ppbv

RT: 11.607 min Scan# 3559

Delta R.T. -0.003 min

Lab File: VL043021.D

Acq: 30 Sep 2025 10:46

Instrument :

MSVOA_L

ClientSampleId :

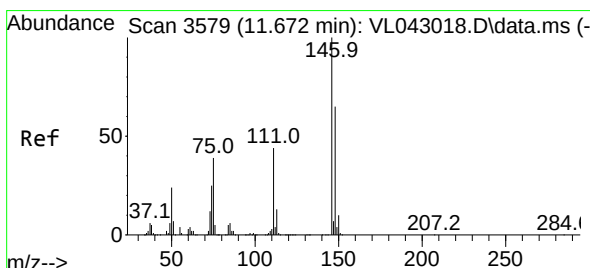
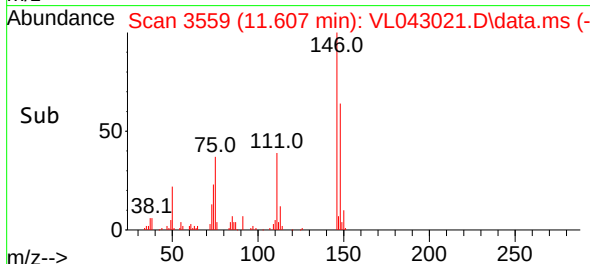
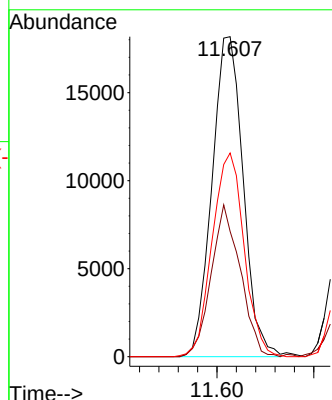
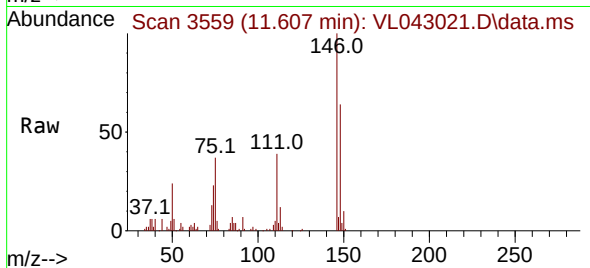
VSTDIC0.5

Tgt Ion:146	Resp:	20274
Ion Ratio	Lower	Upper
146	100	
111	44.7	22.0 66.0
148	65.2	31.9 95.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025



#76

1,4-Dichlorobenzene

Concen: 0.494 ppbv

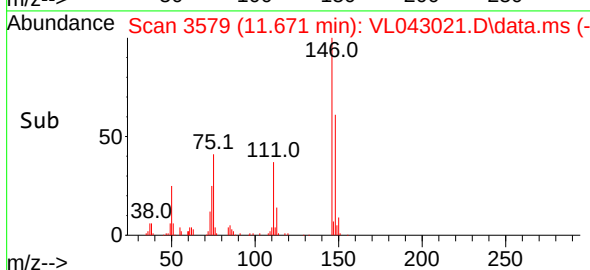
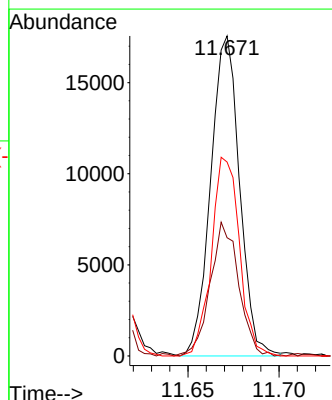
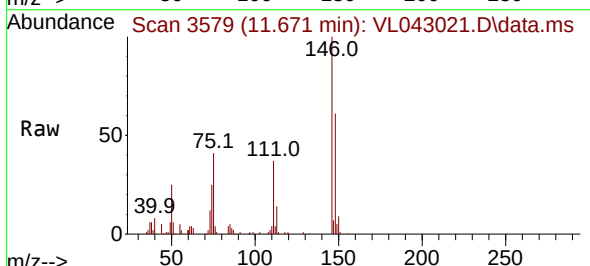
RT: 11.671 min Scan# 3579

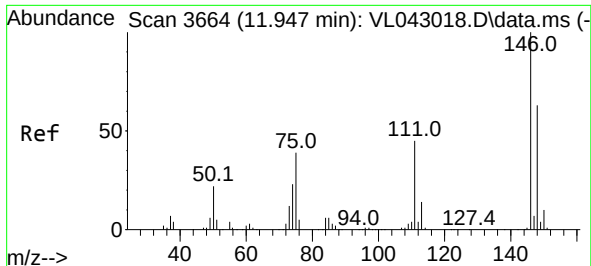
Delta R.T. -0.000 min

Lab File: VL043021.D

Acq: 30 Sep 2025 10:46

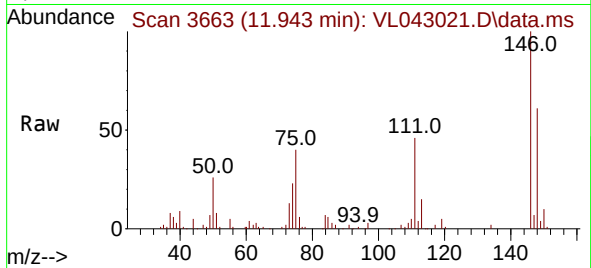
Tgt Ion:146	Resp:	19360
Ion Ratio	Lower	Upper
146	100	
111	41.6	21.8 65.4
148	60.0	32.4 97.0





#77
1,2-Dichlorobenzene
Concen: 0.515 ppbv
RT: 11.943 min Scan# 30
Delta R.T. -0.003 min
Lab File: VL043021.D
Acq: 30 Sep 2025 10:46

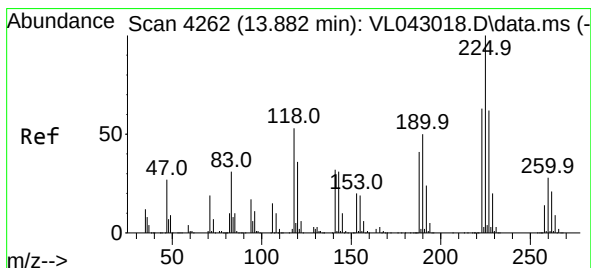
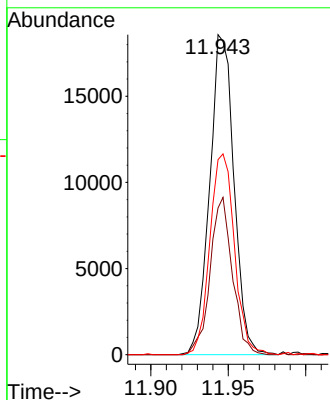
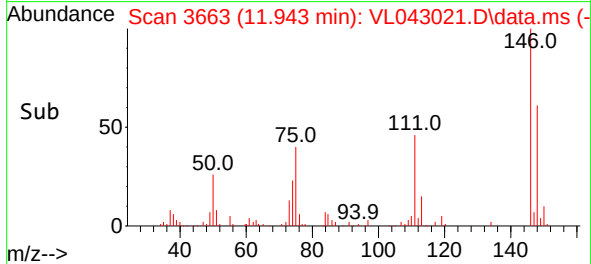
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



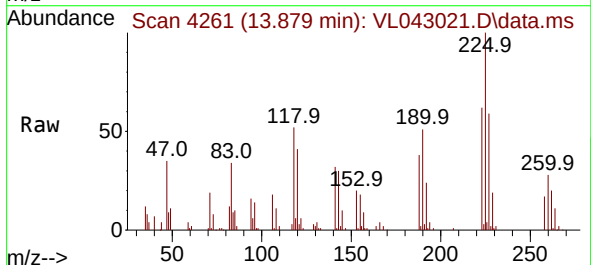
Tgt Ion:146 Resp: 2020
Ion Ratio Lower Upper
146 100
111 45.2 22.9 68.5
148 63.9 31.8 95.4

Manual Integrations
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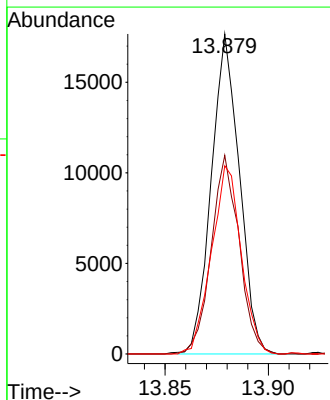
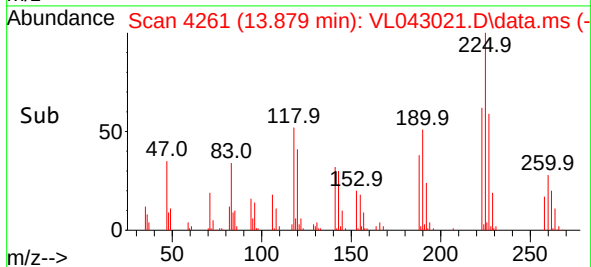
Reviewed By :Semsettin Yesilyurt 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

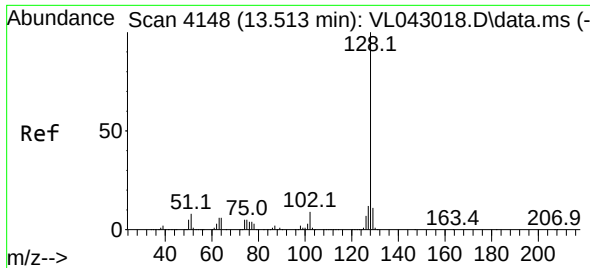


#78
Hexachloro-1,3-Butadiene
Concen: 0.533 ppbv
RT: 13.879 min Scan# 4261
Delta R.T. -0.003 min
Lab File: VL043021.D
Acq: 30 Sep 2025 10:46



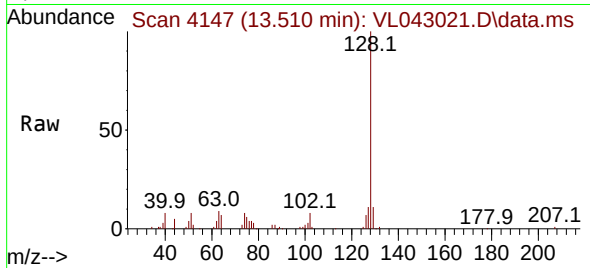
Tgt Ion:225 Resp: 16700
Ion Ratio Lower Upper
225 100
223 61.7 50.9 76.3
227 62.4 50.3 75.5





#79
Naphthalene
Concen: 0.346 ppbv
RT: 13.510 min Scan# 4148
Delta R.T. -0.003 min
Lab File: VL043021.D
Acq: 30 Sep 2025 10:46

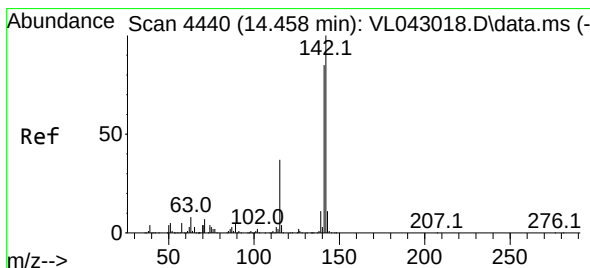
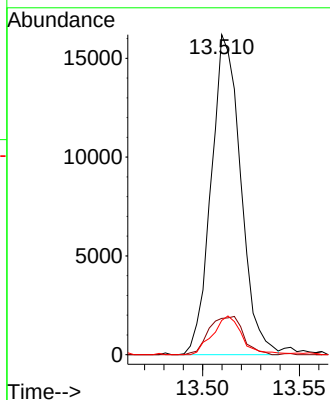
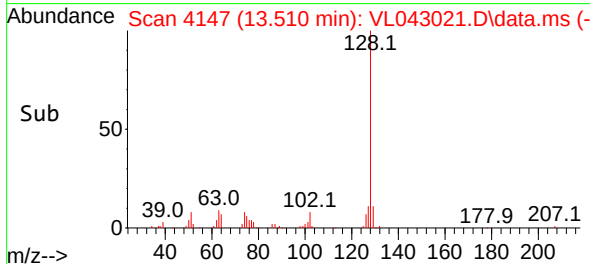
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



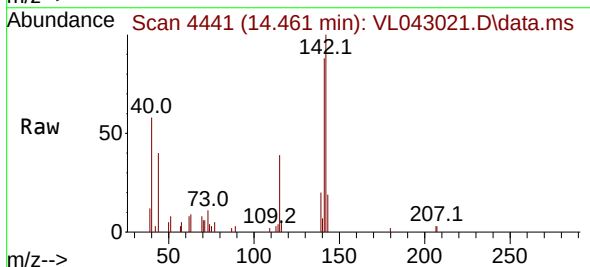
Tgt Ion:128 Resp: 1714
Ion Ratio Lower Upper
128 100
127 11.4 9.9 14.9
129 10.7 8.6 13.0

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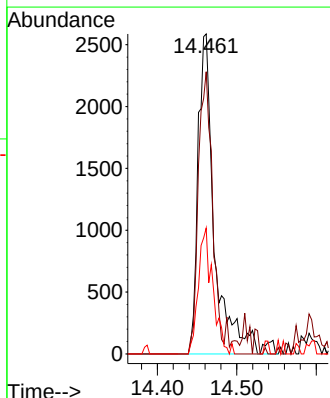
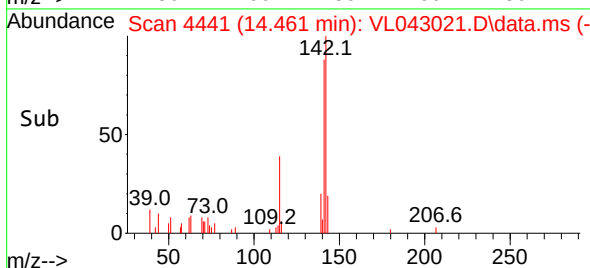
Reviewed By :Semsettin Yesilyurt 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

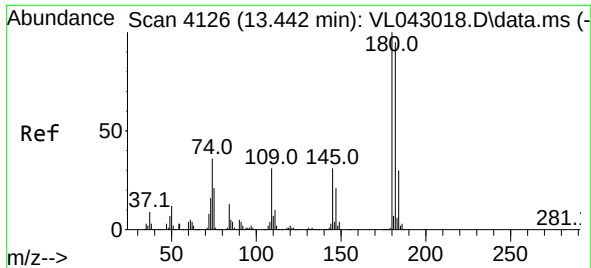


#80
Naphthalene,2-methyl-
Concen: 0.294 ppbv
RT: 14.461 min Scan# 4441
Delta R.T. 0.003 min
Lab File: VL043021.D
Acq: 30 Sep 2025 10:46



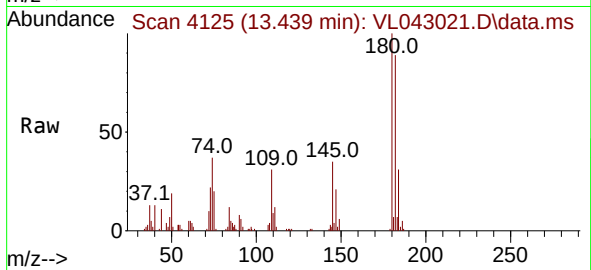
Tgt Ion:142 Resp: 3775
Ion Ratio Lower Upper
142 100
141 77.7 66.6 99.8
115 34.5 29.8 44.6





#81
 1,2,4-Trichlorobenzene
 Concen: 0.340 ppbv
 RT: 13.439 min Scan# 4125
 Delta R.T. -0.003 min
 Lab File: VL043021.D
 Acq: 30 Sep 2025 10:46

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5



Tgt Ion:180	Resp:	10210
Ion Ratio	Lower	Upper
180	100	
182	88.1	75.8 113.8
184	30.8	24.2 36.4

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Reviewed By :Semsettin Yesilyurt 10/01/2025
 Supervised By :Mahesh Dadoda 10/03/2025

