

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111825\
 Data File : VL043206.D
 Acq On : 18 Nov 2025 11:10
 Operator : SY/MD
 Sample : VSTDICC001
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC001

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 11/19/2025
 Supervised By :Mahesh Dadoda 11/19/2025

Quant Time: Nov 19 00:51:06 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M

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

QLast Update : Wed Nov 19 00:48:15 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.784	49	102795	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.952	114	278732	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.872	117	227998	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.370 95 167061 9.996 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 100.000%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.499	85	15474	1.067	ppbv	100
3) Chlorodifluoromethane	1.476	51	14437	1.013	ppbv #	92
4) Chloromethane	1.531	50	5751	1.061	ppbv	92
5) Vinyl Chloride	1.580	62	5967	1.007	ppbv	95
6) Bromomethane	1.667	94	3104	1.080	ppbv	94
7) Chloroethane	1.706	64	2550	1.104	ppbv	97
8) Dichlorotetrafluoroethane	1.554	85	12759	1.058	ppbv	98
9) Propene	1.483	41	6147	0.929	ppbv #	1
10) Heptane	4.972	43	18544	1.022	ppbv	100
11) Trichlorofluoromethane	1.877	101	15571	1.108	ppbv	99
12) 1,1,2-Trichlorotrifluo...	2.140	101	11743	1.071	ppbv	99
13) Ethanol	1.719	45	2373	1.115	ppbv	67
14) Bromoethene	1.780	108	4345	1.033	ppbv #	91
15) Acetone	1.835	43	16353	1.145	ppbv	90
16) 1,3-Butadiene	1.609	39	6469	1.016	ppbv	96
17) tert-Butyl alcohol	2.039	59	20703	1.104	ppbv #	92
18) 1,1-Dichloroethene	2.033	96	5447	1.067	ppbv	97
19) Isopropyl Alcohol	1.884	45	8849	1.097	ppbv #	43
20) Methylene Chloride	2.059	84	7297	1.030	ppbv	85
21) Allyl Chloride	2.094	41	9198	0.957	ppbv #	84
22) trans-1,2-Dichloroethene	2.340	96	6313	1.082	ppbv	94
23) Vinyl Acetate	2.460	43	16779	0.973	ppbv	98
24) 1,1-Dichloroethane	2.405	63	12062	1.071	ppbv	94
25) Ethyl Acetate	2.832	43	32108	1.041	ppbv	98
26) Hexane	2.819	57	14639	1.084	ppbv	99
27) Carbon Disulfide	2.149	76	14637	1.062	ppbv #	30
28) Methyl tert-Butyl Ether	2.441	73	7236	1.092	ppbv #	83
29) Chloroform	2.845	83	19509	1.016	ppbv	91
30) Cyclohexane	3.852	84	12269	1.084	ppbv	96
31) cis-1,2-Dichloroethene	2.716	61	13889	1.035	ppbv	97
32) 1,1,1-Trichloroethane	3.363	97	20745	1.005	ppbv	99
34) 2-Butanone	2.554	43	20940	1.064	ppbv	96
35) Carbon Tetrachloride	3.758	117	21497	1.016	ppbv	96
36) Benzene	3.648	78	27911	1.046	ppbv	99
37) 1,2-Dichloroethane	3.214	62	16159	1.035	ppbv	99
38) Trichloroethene	4.538	130	10809m	1.033	ppbv	
39) 1,2-Dichloropropane	4.311	63	10147	1.039	ppbv	91
40) 1,4-Dioxane	4.577	88	4616m	1.051	ppbv	
41) Tetrahydrofuran	3.052	42	11176	1.029	ppbv	96
42) Bromodichloromethane	4.480	83	22150	1.028	ppbv #	98
43) Methyl Methacrylate	4.871	69	14821	1.046	ppbv	94
44) 2,2,4-Trimethylpentane	4.632	57	49203m	1.073	ppbv	
45) t-1,3-Dichloropropene	6.402	75	13149m	0.996	ppbv	

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111825\
 Data File : VL043206.D
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 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
 VSTDICC001

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 11/19/2025
 Supervised By :Mahesh Dadoda 11/19/2025

Quant Time: Nov 19 00:51:06 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M

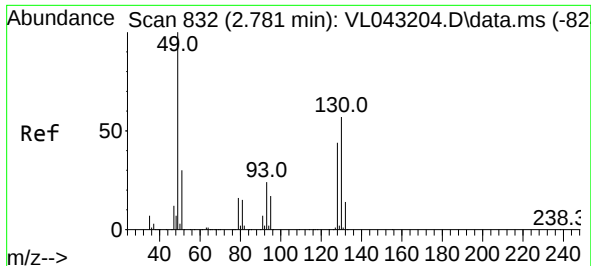
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Wed Nov 19 00:48:15 2025

Response via : Initial Calibration

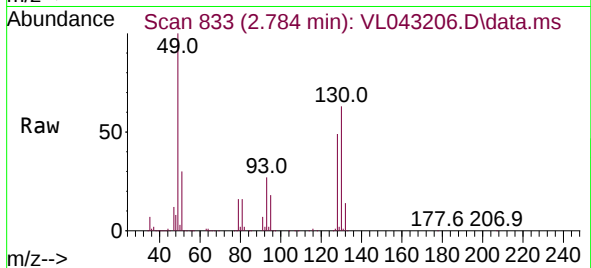
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.590	75	15527	1.001	ppbv #	95
47) 1,1,2-Trichloroethane	6.577	97	10369	0.995	ppbv #	85
48) Dibromochloromethane	7.377	129	18560	1.041	ppbv	93
49) Bromoform	9.477	173	15858	1.004	ppbv	98
50) 4-Methyl-2-Pentanone	5.745	43	29560	1.067	ppbv	99
51) 2-Hexanone	7.428	43	22438	1.043	ppbv #	98
52) Tetrachloroethene	8.215	164	10080	1.015	ppbv	90
53) Toluene	6.923	91	32951	1.036	ppbv	100
54) 1,2-Dibromoethane	7.645	107	15865	1.040	ppbv	97
56) 1,1,1,2-Tetrachloroethane	8.917	131	17535	1.046	ppbv	99
57) Chlorobenzene	8.914	112	24806	1.060	ppbv	98
58) Ethyl Benzene	9.344	91	46455	1.059	ppbv	96
59) m/p-Xylene	9.545	91	73461m	2.080	ppbv	
60) o-Xylene	9.956	91	37054	1.054	ppbv	97
61) Styrene	9.866	104	15730	1.023	ppbv	95
62) Isopropylbenzene	10.532	105	67163	1.068	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.956	83	23083	1.035	ppbv	97
64) n-propylbenzene	10.985	120	17289	1.070	ppbv	100
65) tert-Butylbenzene	11.526	119	61258	1.091	ppbv	99
66) Benzyl Chloride	11.610	91	5729	1.005	ppbv	96
67) sec-Butylbenzene	11.762	105	84989	1.084	ppbv	99
69) p-Isopropyltoluene	11.921	119	69993	1.054	ppbv	99
70) n-Butylbenzene	12.277	91	69323	1.076	ppbv	99
71) 2-Chlorotoluene	10.895	91	51452	1.065	ppbv	100
72) 4-Ethyltoluene	11.118	105	44403	1.037	ppbv	99
73) 1,3,5-Trimethylbenzene	11.199	105	38350	1.068	ppbv	91
74) 1,2,4-Trimethylbenzene	11.532	105	42051	1.073	ppbv #	81
75) 1,3-Dichlorobenzene	11.600	146	24011	1.050	ppbv	98
76) 1,4-Dichlorobenzene	11.665	146	23543	1.029	ppbv	97
77) 1,2-Dichlorobenzene	11.940	146	24248	1.103	ppbv	98
78) Hexachloro-1,3-Butadiene	13.879	225	20489	1.116	ppbv	99
79) Naphthalene	13.507	128	36462	1.047	ppbv	95
80) Naphthalene,2-methyl-	14.455	142	7375	0.807	ppbv	95
81) 1,2,4-Trichlorobenzene	13.436	180	15785	1.014	ppbv	98

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



#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.784 min Scan# 832
Delta R.T. 0.003 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

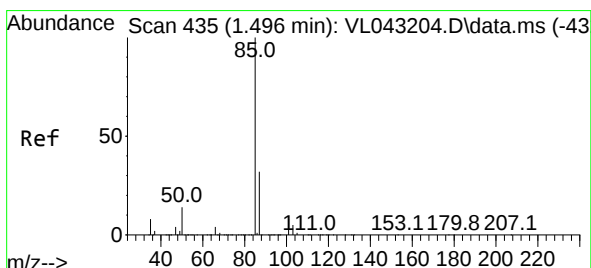
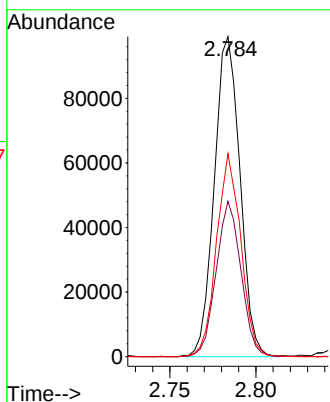
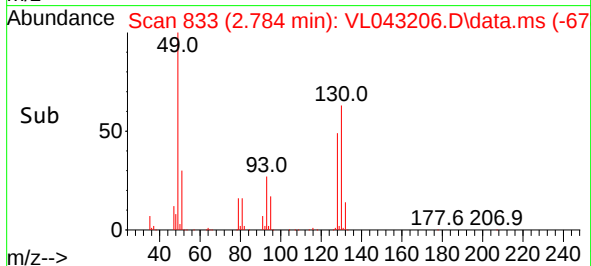
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



Tgt Ion: 49 Resp: 102795
Ion Ratio Lower Upper
49 100
128 46.9 23.0 69.0
130 60.1 29.9 89.7

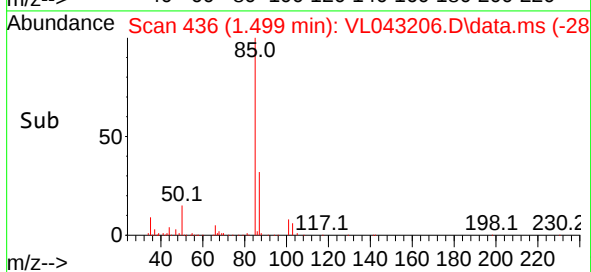
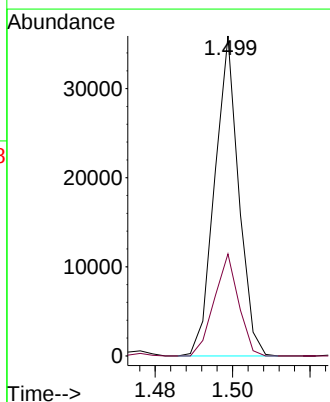
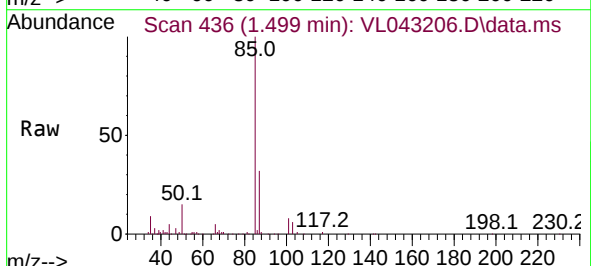
Manual Integrations
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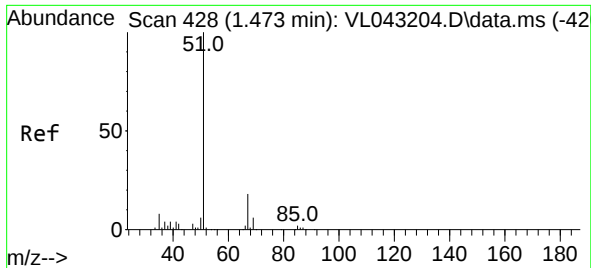
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025



#2
Dichlorodifluoromethane
Concen: 1.067 ppbv
RT: 1.499 min Scan# 436
Delta R.T. 0.003 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

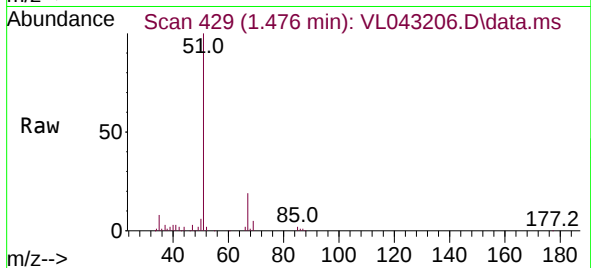
Tgt Ion: 85 Resp: 15474
Ion Ratio Lower Upper
85 100
87 31.9 25.4 38.2





#3
Chlorodifluoromethane
Concen: 1.013 ppbv
RT: 1.476 min Scan# 41
Delta R.T. 0.003 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

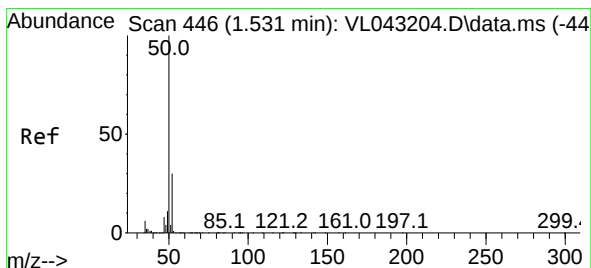
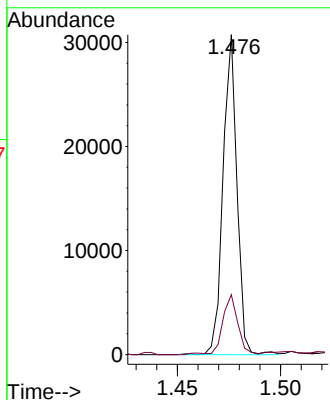
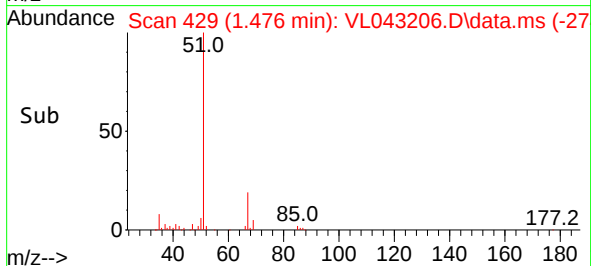
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001



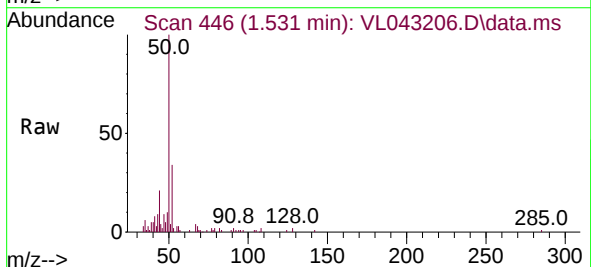
Tgt Ion: 51 Resp: 1443
Ion Ratio Lower Upper
51 100
67 22.3 14.9 22.3

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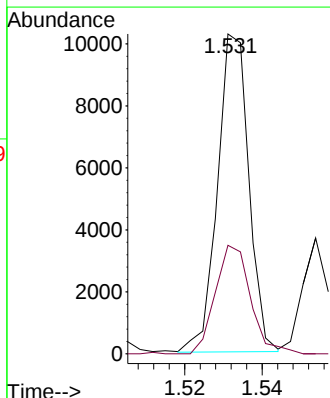
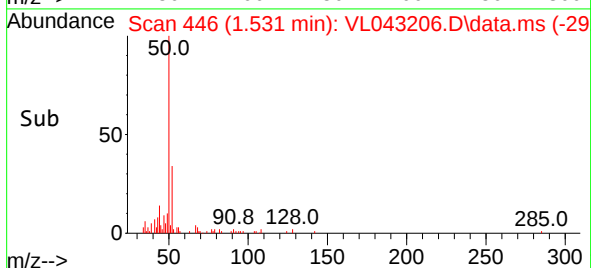
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

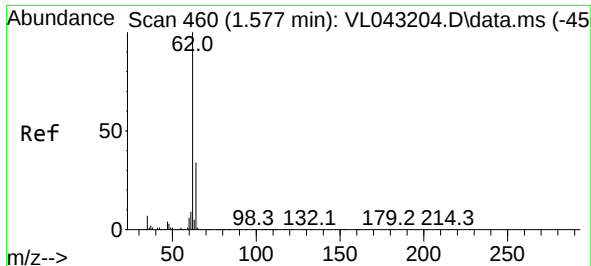


#4
Chloromethane
Concen: 1.061 ppbv
RT: 1.531 min Scan# 446
Delta R.T. -0.000 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10



Tgt Ion: 50 Resp: 5751
Ion Ratio Lower Upper
50 100
52 34.2 24.1 36.1





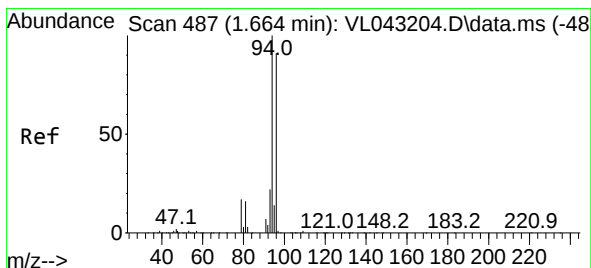
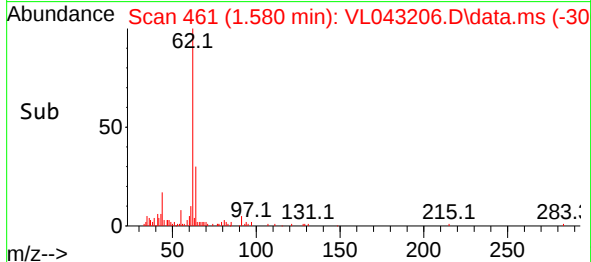
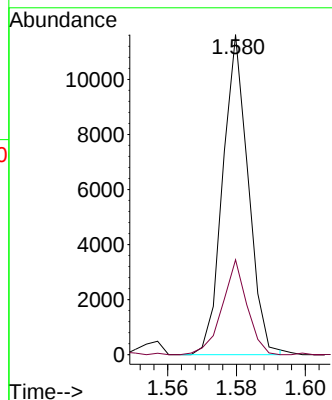
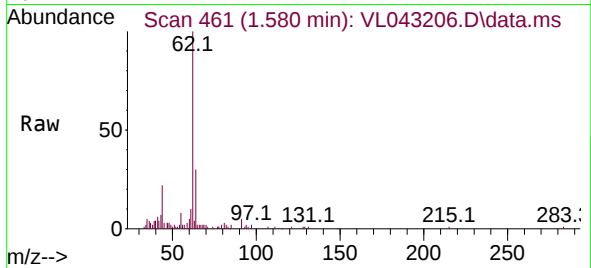
#5
 Vinyl Chloride
 Concen: 1.007 ppbv
 RT: 1.580 min Scan# 461
 Delta R.T. 0.003 min
 Lab File: VL043206.D
 Acq: 18 Nov 2025 11:10

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tgt Ion: 62 Resp: 596
 Ion Ratio Lower Upper
 62 100
 64 31.3 27.3 40.9

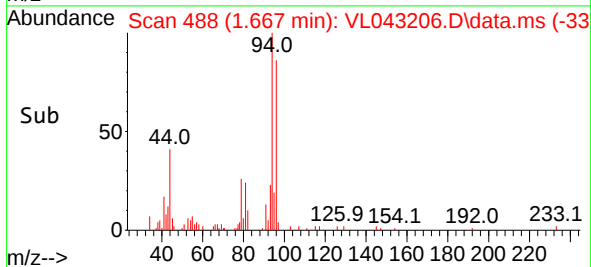
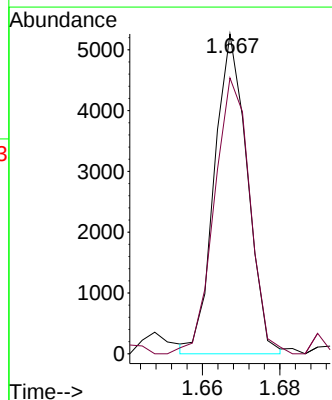
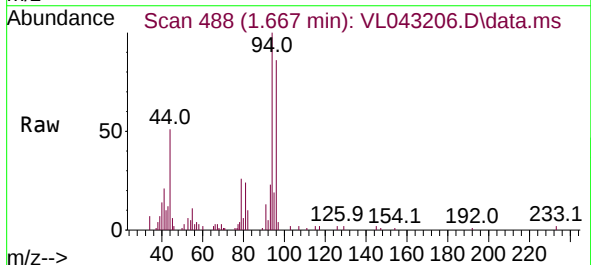
Manual Integrations
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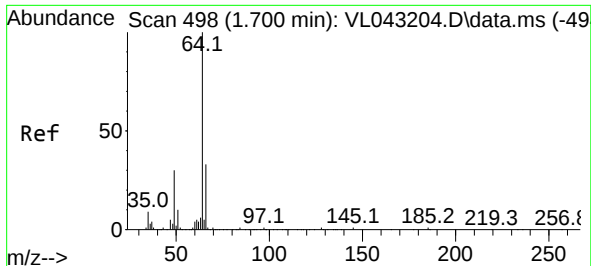
Reviewed By :Semsettin Yesilyurt 11/19/2025
 Supervised By :Mahesh Dadoda 11/19/2025



#6
 Bromomethane
 Concen: 1.080 ppbv
 RT: 1.667 min Scan# 488
 Delta R.T. 0.003 min
 Lab File: VL043206.D
 Acq: 18 Nov 2025 11:10

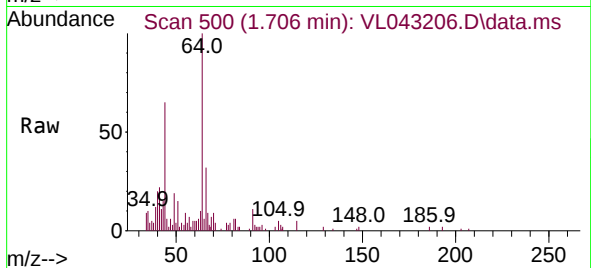
Tgt Ion: 94 Resp: 3104
 Ion Ratio Lower Upper
 94 100
 96 85.7 72.9 109.3





#7
Chloroethane
Concen: 1.104 ppbv
RT: 1.706 min Scan# 50
Delta R.T. 0.006 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

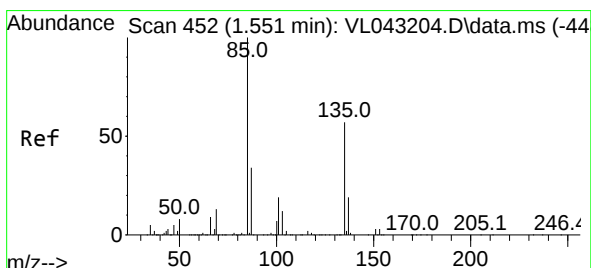
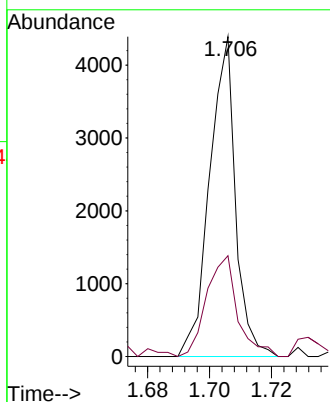
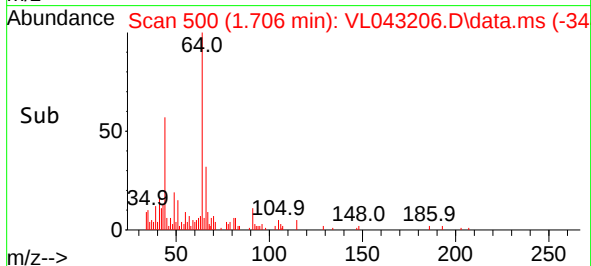
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



Tgt Ion: 64 Resp: 2550
Ion Ratio Lower Upper
64 100
66 31.5 26.8 40.2

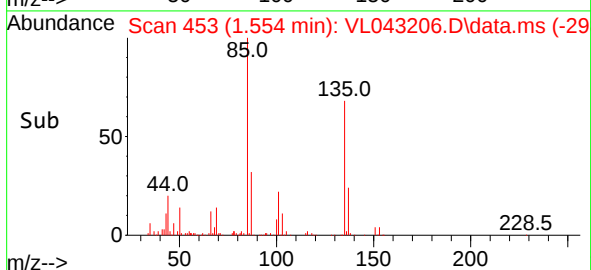
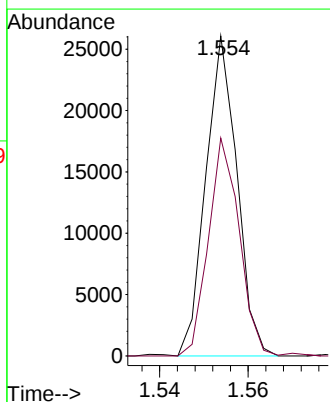
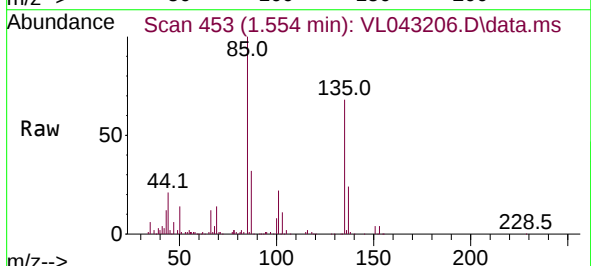
Manual Integrations
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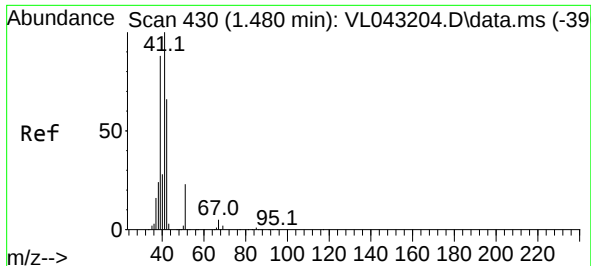
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025



#8
Dichlorotetrafluoroethane
Concen: 1.058 ppbv
RT: 1.554 min Scan# 453
Delta R.T. 0.003 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

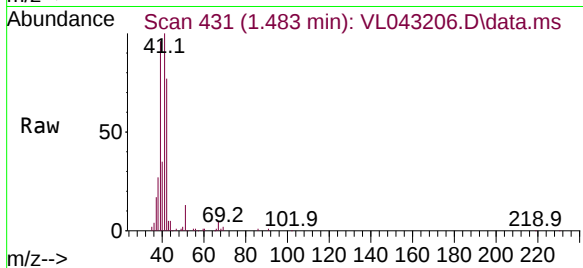
Tgt Ion: 85 Resp: 12759
Ion Ratio Lower Upper
85 100
135 67.7 52.6 79.0





#9
 Propene
 Concen: 0.929 ppbv
 RT: 1.483 min Scan# 431
 Delta R.T. 0.003 min
 Lab File: VL043206.D
 Acq: 18 Nov 2025 11:10

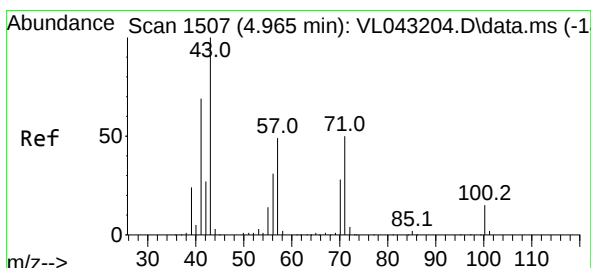
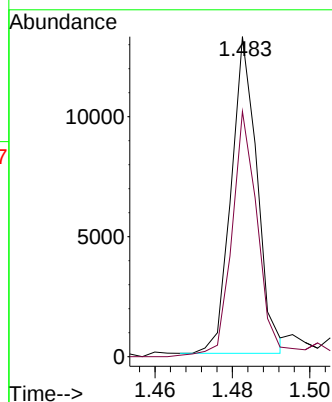
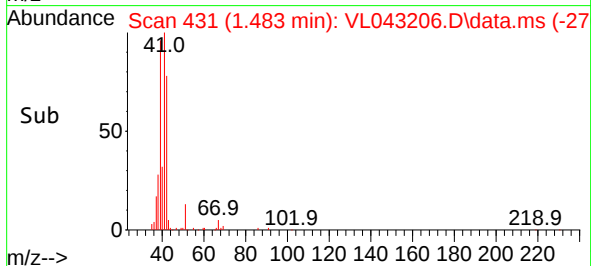
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001



Tgt Ion: 41 Resp: 6147
 Ion Ratio Lower Upper
 41 100
 42 80.0 3.7 5.5

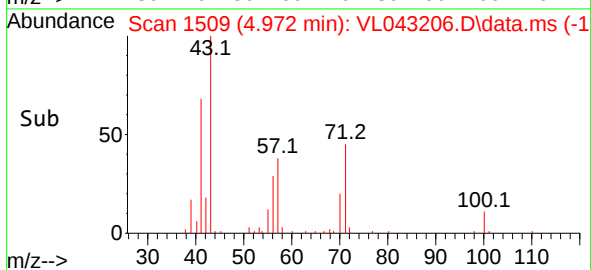
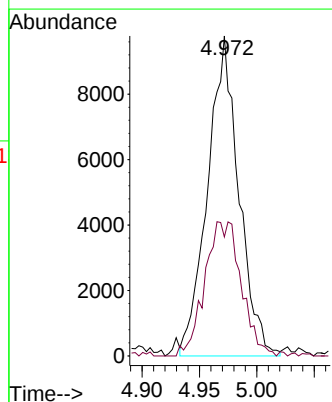
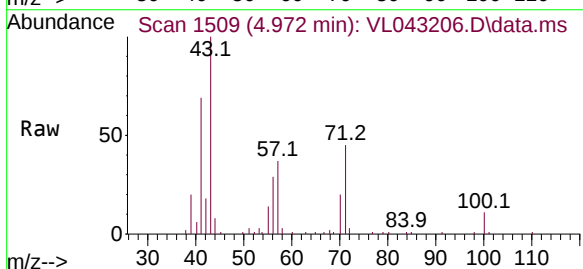
Manual Integrations
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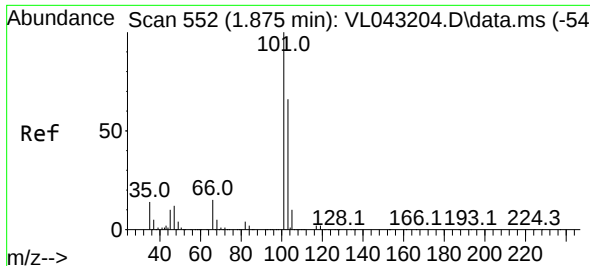
Reviewed By :Semsettin Yesilyurt 11/19/2025
 Supervised By :Mahesh Dadoda 11/19/2025



#10
 Heptane
 Concen: 1.022 ppbv
 RT: 4.972 min Scan# 1509
 Delta R.T. 0.006 min
 Lab File: VL043206.D
 Acq: 18 Nov 2025 11:10

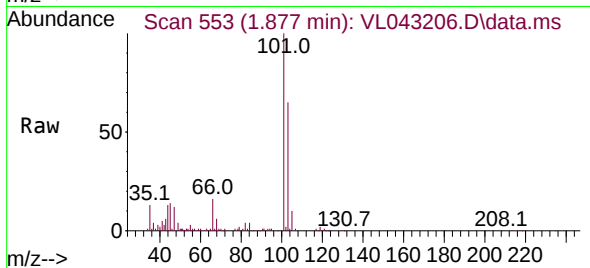
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 Ion Ratio Lower Upper
 43 100
 57 49.3 39.7 59.5





#11
 Trichlorofluoromethane
 Concen: 1.108 ppbv
 RT: 1.877 min Scan# 511
 Delta R.T. 0.003 min
 Lab File: VL043206.D
 Acq: 18 Nov 2025 11:10

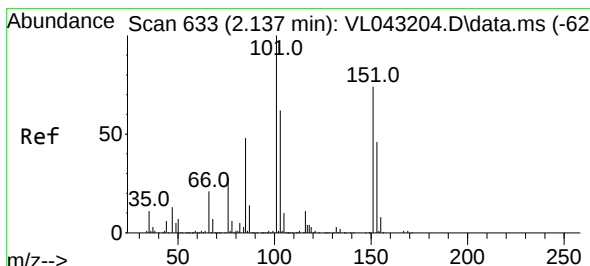
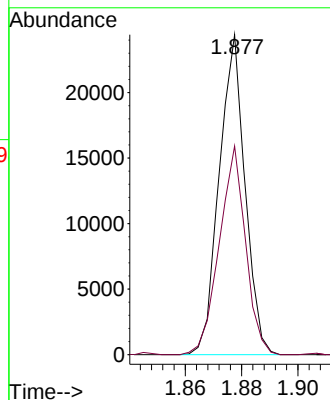
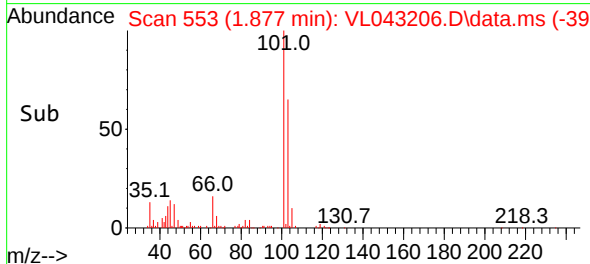
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC001



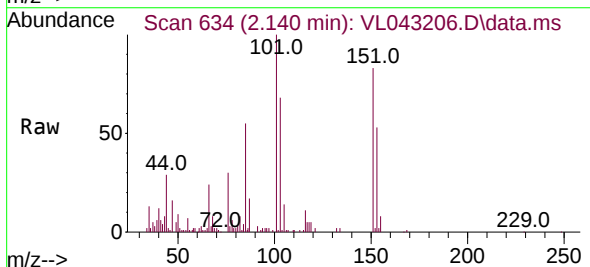
Tgt Ion:101 Resp: 1557
 Ion Ratio Lower Upper
 101 100
 103 65.2 52.6 79.0

Manual Integrations
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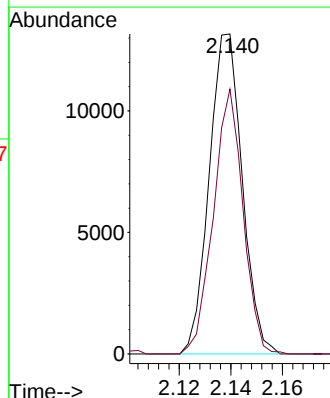
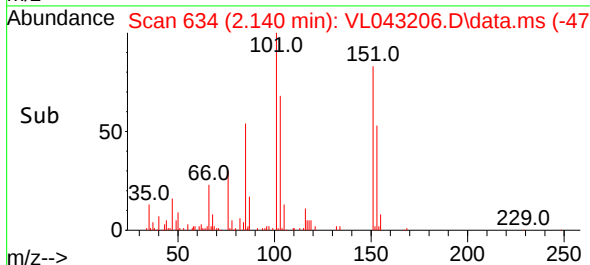
Reviewed By :Semsettin Yesilyurt 11/19/2025
 Supervised By :Mahesh Dadoda 11/19/2025

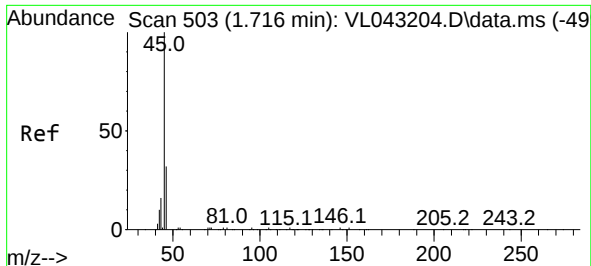


#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 1.071 ppbv
 RT: 2.140 min Scan# 634
 Delta R.T. 0.003 min
 Lab File: VL043206.D
 Acq: 18 Nov 2025 11:10



Tgt Ion:101 Resp: 11743
 Ion Ratio Lower Upper
 101 100
 151 74.6 59.2 88.8





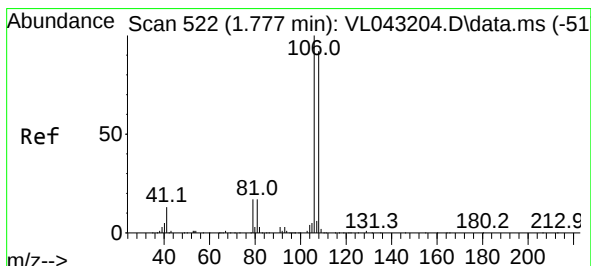
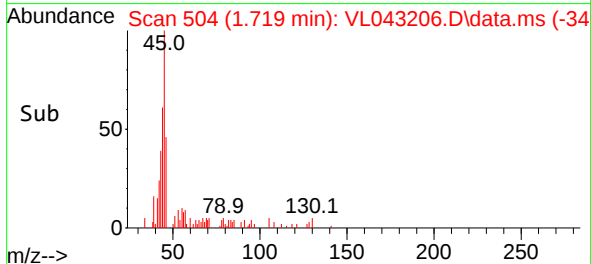
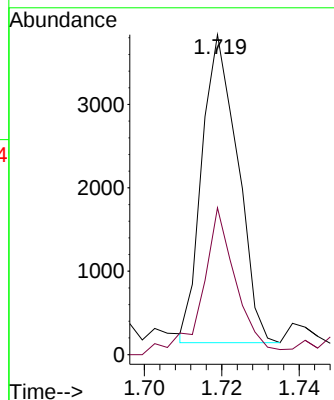
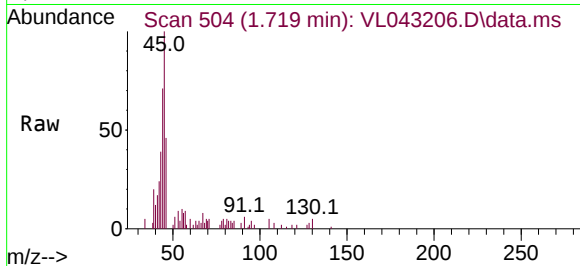
#13
Ethanol
Concen: 1.115 ppbv
RT: 1.719 min Scan# 503
Delta R.T. 0.003 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion: 45 Resp: 2373
Ion Ratio Lower Upper
45 100
46 57.0 15.0 59.8

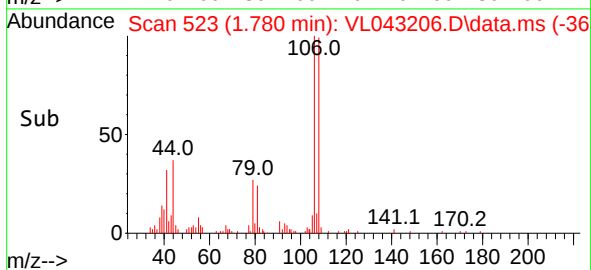
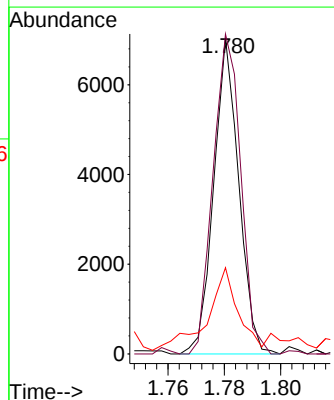
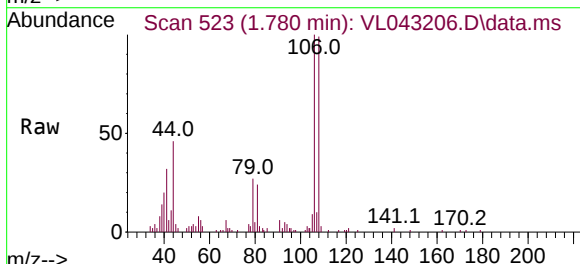
Manual Integrations
APPROVED

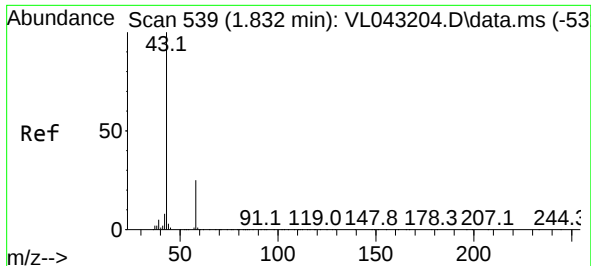
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025



#14
Bromoethene
Concen: 1.033 ppbv
RT: 1.780 min Scan# 523
Delta R.T. 0.003 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

Tgt Ion:108 Resp: 4345
Ion Ratio Lower Upper
108 100
106 114.0 88.9 133.3
79 39.2 16.5 24.7#





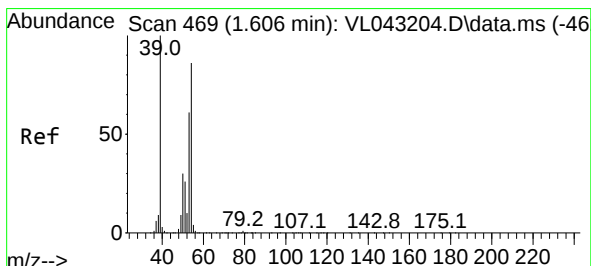
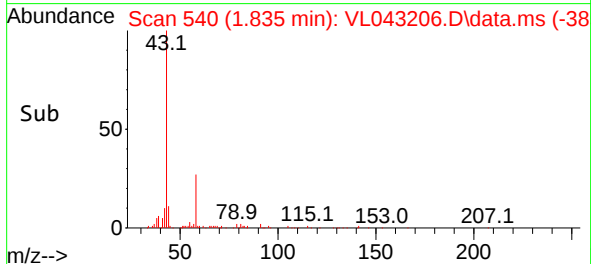
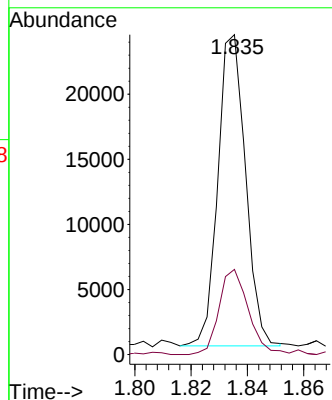
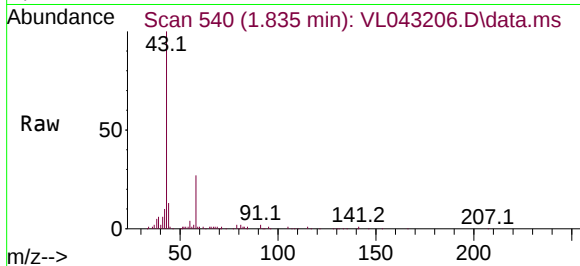
#15
Acetone
Concen: 1.145 ppbv
RT: 1.835 min Scan# 54
Delta R.T. 0.003 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 1635
Ion Ratio Lower Upper
43 100
58 30.9 20.7 31.1

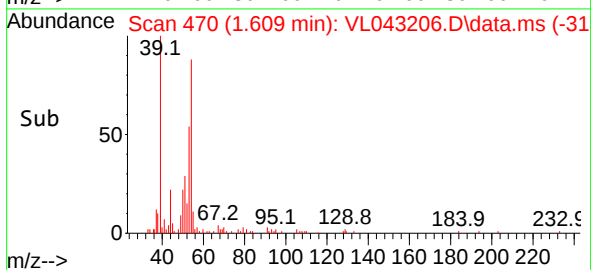
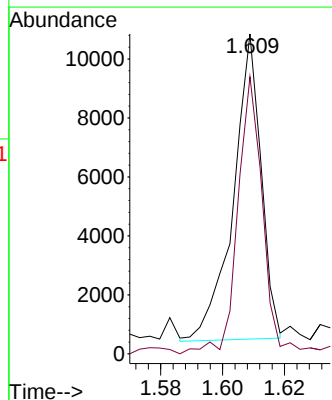
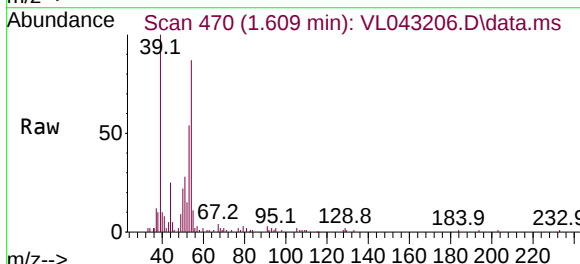
Manual Integrations
APPROVED

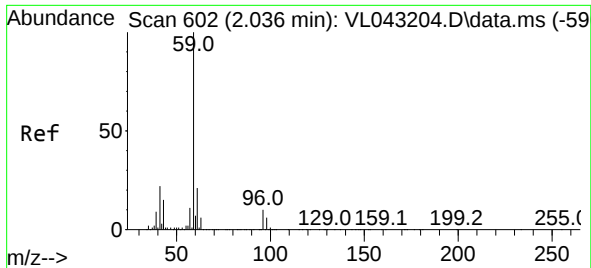
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025



#16
1,3-Butadiene
Concen: 1.016 ppbv
RT: 1.609 min Scan# 470
Delta R.T. 0.003 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

Tgt Ion: 39 Resp: 6469
Ion Ratio Lower Upper
39 100
54 77.8 59.4 89.2





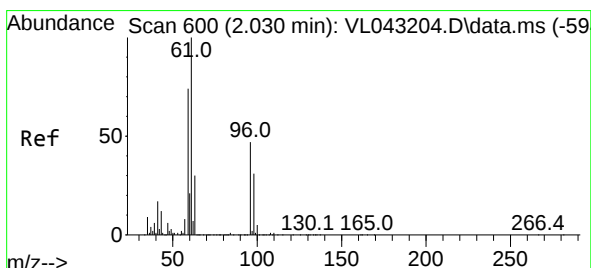
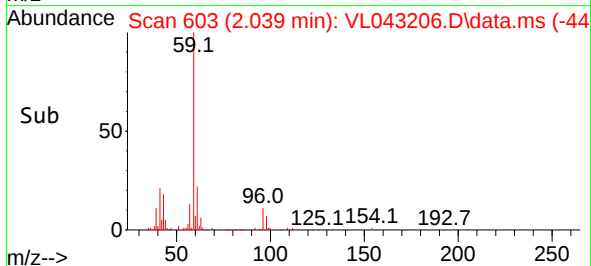
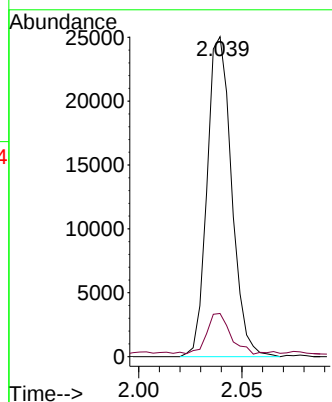
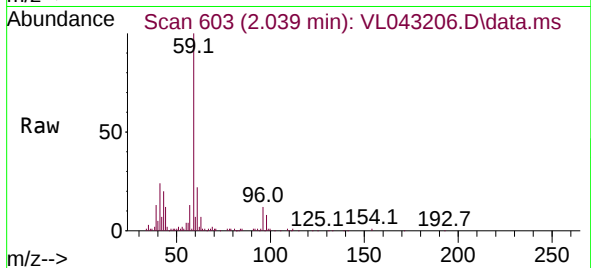
#17
tert-Butyl alcohol
Concen: 1.104 ppbv
RT: 2.039 min Scan# 601
Delta R.T. 0.003 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion: 59 Resp: 20703
Ion Ratio Lower Upper
59 100
57 14.1 9.0 13.4

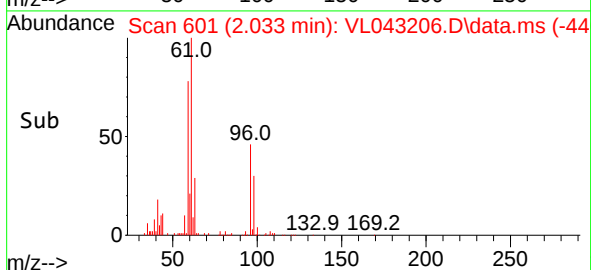
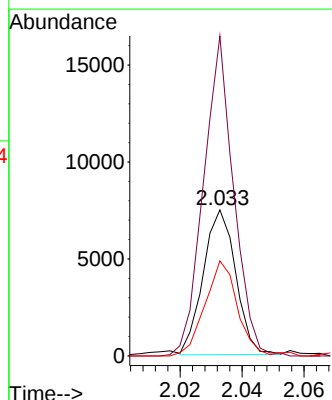
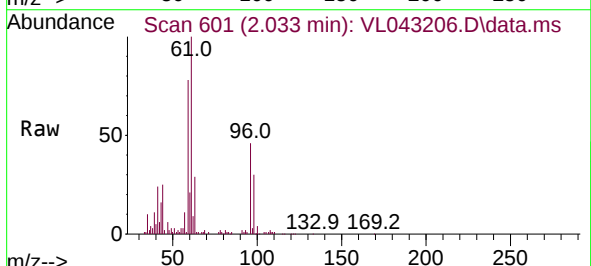
Manual Integrations
APPROVED

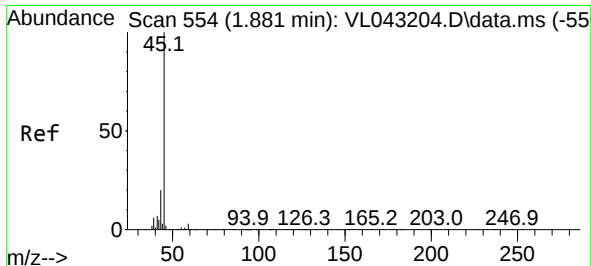
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025



#18
1,1-Dichloroethene
Concen: 1.067 ppbv
RT: 2.033 min Scan# 601
Delta R.T. 0.003 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

Tgt Ion: 96 Resp: 5447
Ion Ratio Lower Upper
96 100
61 219.3 170.6 255.8
98 63.7 52.2 78.4





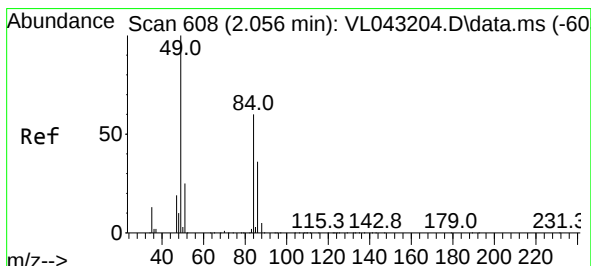
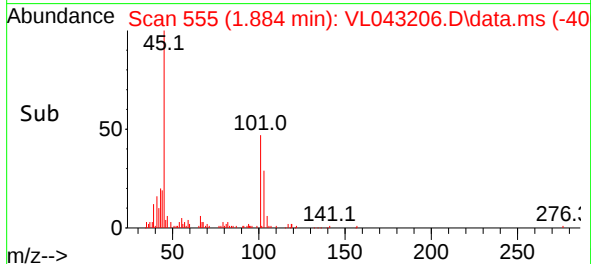
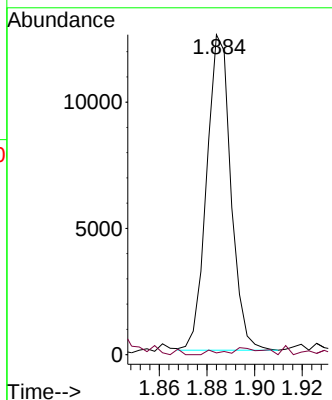
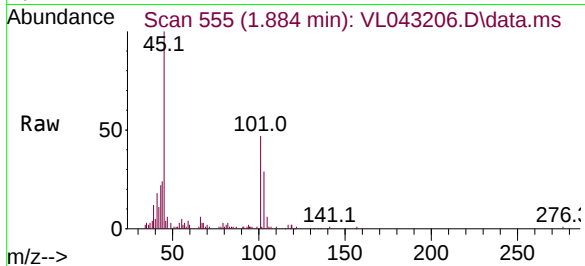
#19
Isopropyl Alcohol
Concen: 1.097 ppbv
RT: 1.884 min Scan# 554
Delta R.T. 0.003 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 45 Resp: 8849
Ion Ratio Lower Upper
45 100
58 4.0 31.3 46.9

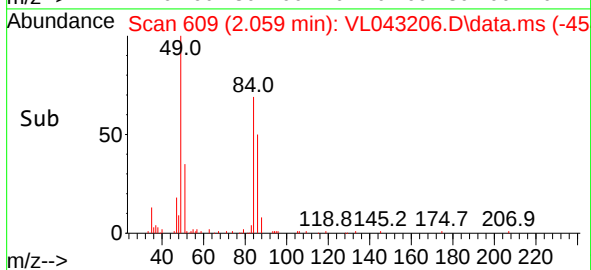
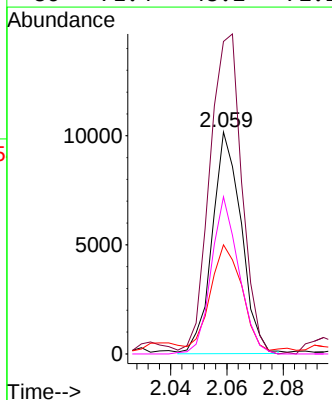
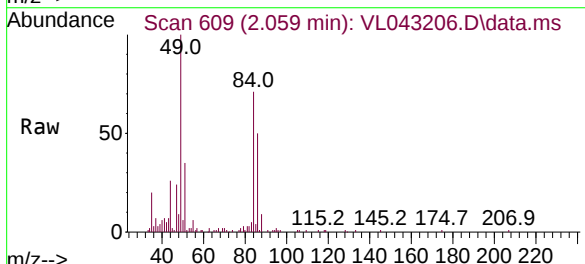
Manual Integrations
APPROVED

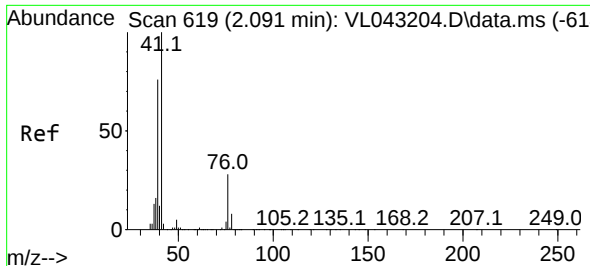
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025



#20
Methylene Chloride
Concen: 1.030 ppbv
RT: 2.059 min Scan# 609
Delta R.T. 0.003 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

Tgt Ion: 84 Resp: 7297
Ion Ratio Lower Upper
84 100
49 142.0 132.9 199.3
51 47.3 34.8 52.2
86 71.4 48.2 72.2





#21
 Allyl Chloride
 Concen: 0.957 ppbv
 RT: 2.094 min Scan# 619
 Delta R.T. 0.003 min
 Lab File: VL043206.D
 Acq: 18 Nov 2025 11:10

Instrument :

MSVOA_L

ClientSampleId :

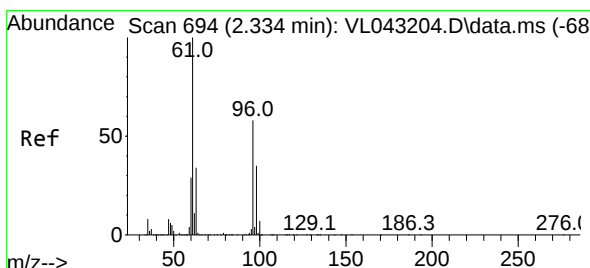
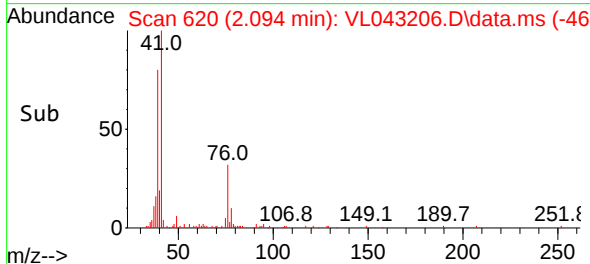
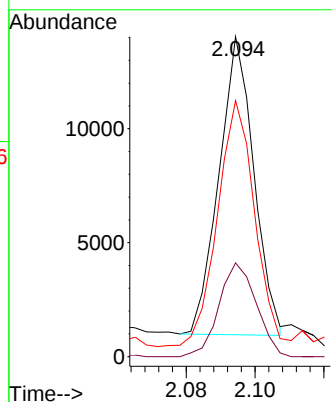
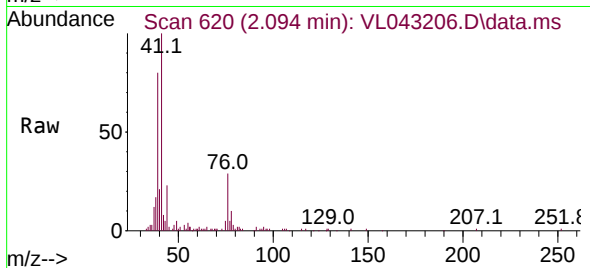
VSTDIC001

Tgt Ion: 41 Resp: 9198
 Ion Ratio Lower Upper
 41 100
 76 33.5 22.1 33.1
 39 91.7 61.0 91.4

Manual Integrations

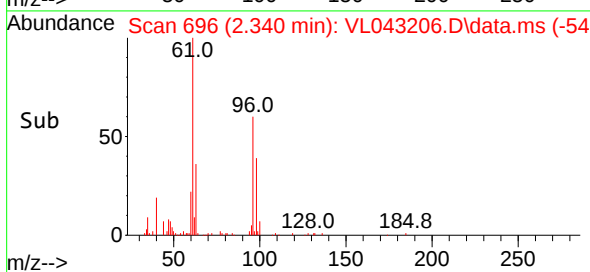
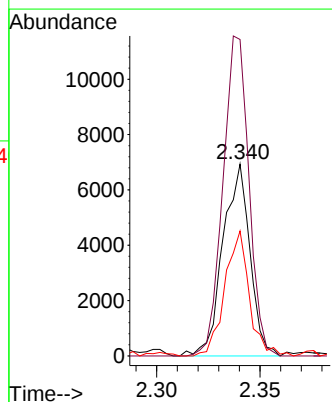
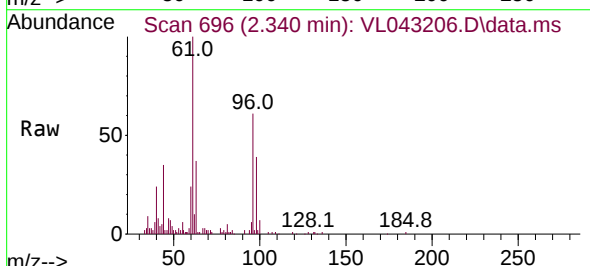
APPROVED

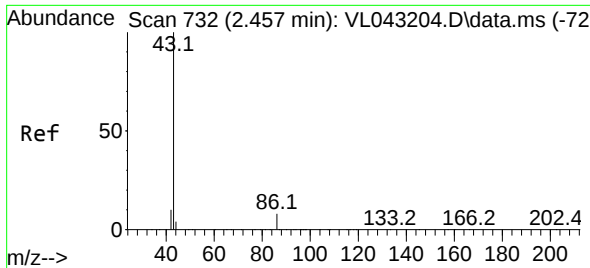
Reviewed By :Semsettin Yesilyurt 11/19/2025
 Supervised By :Mahesh Dadoda 11/19/2025



#22
 trans-1,2-Dichloroethene
 Concen: 1.082 ppbv
 RT: 2.340 min Scan# 696
 Delta R.T. 0.006 min
 Lab File: VL043206.D
 Acq: 18 Nov 2025 11:10

Tgt Ion: 96 Resp: 6313
 Ion Ratio Lower Upper
 96 100
 61 165.0 139.0 208.6
 98 65.1 49.4 74.2





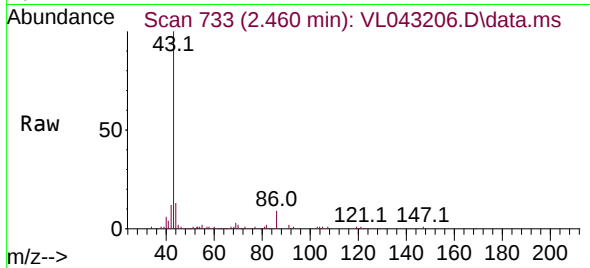
#23
 Vinyl Acetate
 Concen: 0.973 ppbv
 RT: 2.460 min Scan# 733
 Delta R.T. 0.003 min
 Lab File: VL043206.D
 Acq: 18 Nov 2025 11:10

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC001

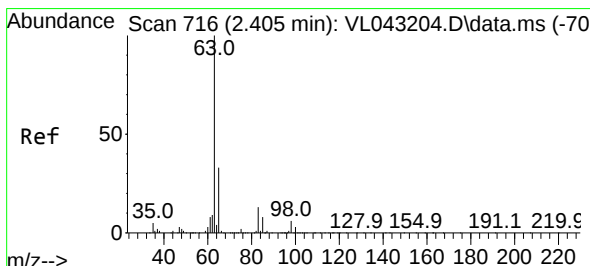
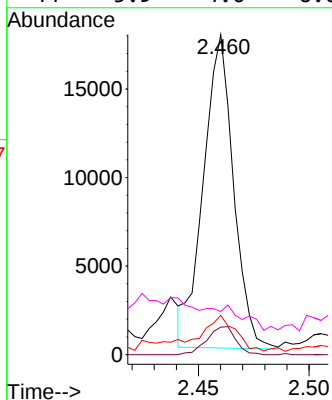
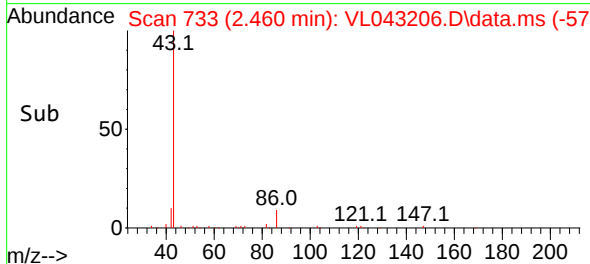


Tgt Ion: 43 Resp: 16779
 Ion Ratio Lower Upper
 43 100
 86 8.8 6.2 9.2
 42 10.4 8.0 12.0
 44 5.9 4.0 6.0

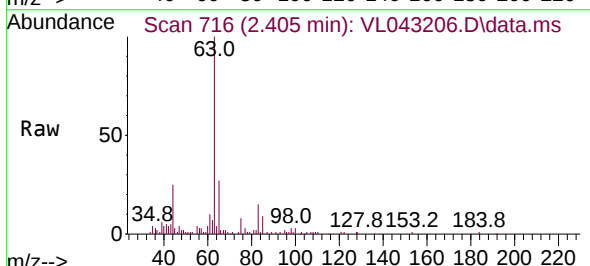
Manual Integrations

APPROVED

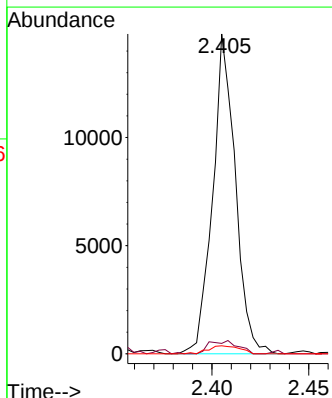
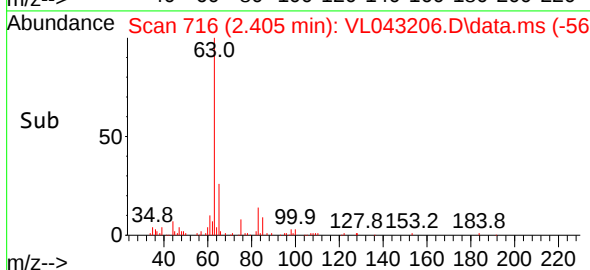
Reviewed By :Semsettin Yesilyurt 11/19/2025
 Supervised By :Mahesh Dadoda 11/19/2025

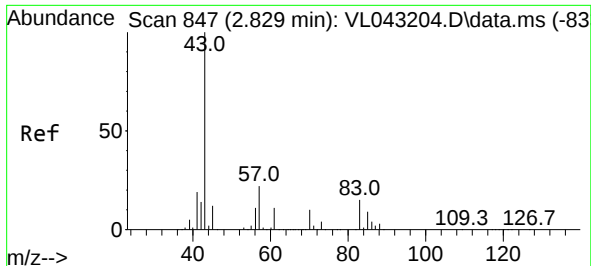


#24
 1,1-Dichloroethane
 Concen: 1.071 ppbv
 RT: 2.405 min Scan# 716
 Delta R.T. -0.000 min
 Lab File: VL043206.D
 Acq: 18 Nov 2025 11:10



Tgt Ion: 63 Resp: 12062
 Ion Ratio Lower Upper
 63 100
 98 2.9 2.8 8.4
 100 2.5 1.3 3.9





#25

Ethyl Acetate

Concen: 1.041 ppbv

RT: 2.832 min Scan# 84

Delta R.T. 0.003 min

Lab File: VL043206.D

Acq: 18 Nov 2025 11:10

Instrument :

MSVOA_L

ClientSampleId :

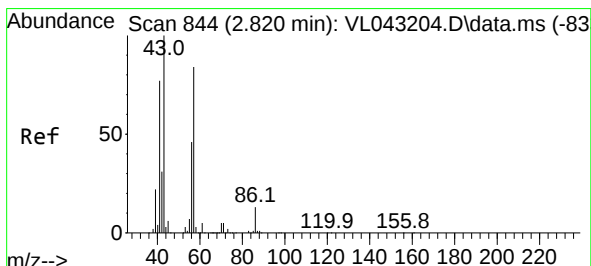
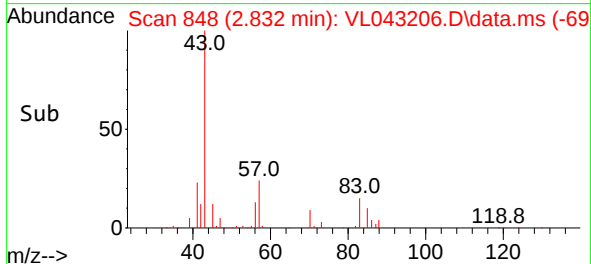
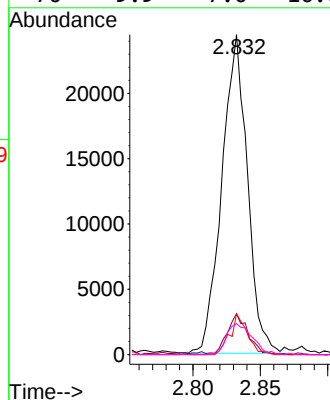
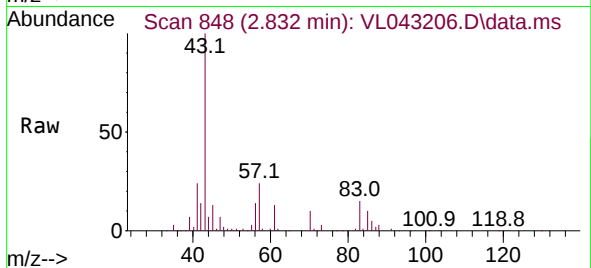
VSTDIC001

Tgt Ion: 43	Resp: 32108
Ion Ratio	Lower Upper
43 100	
45 11.1	8.1 12.1
61 8.7	7.0 10.4
70 9.9	7.0 10.6

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025



#26

Hexane

Concen: 1.084 ppbv

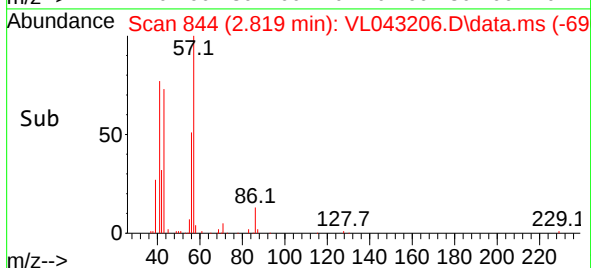
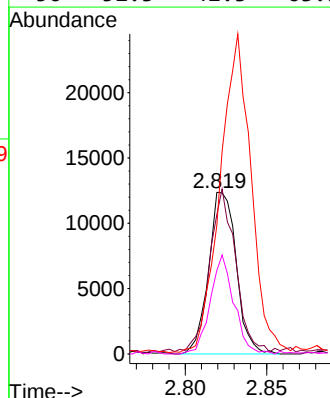
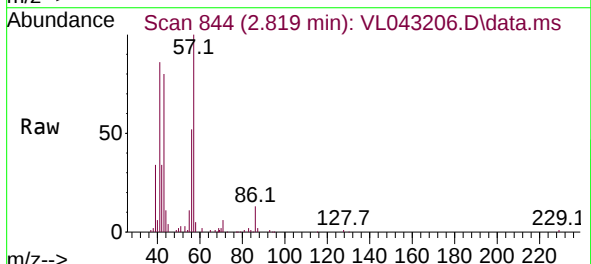
RT: 2.819 min Scan# 844

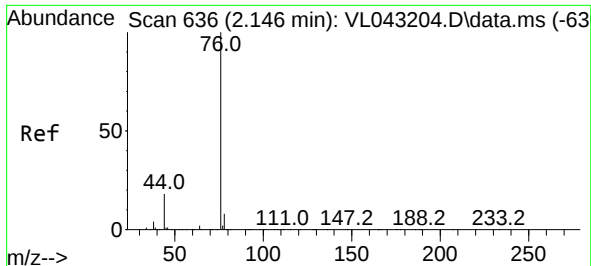
Delta R.T. -0.000 min

Lab File: VL043206.D

Acq: 18 Nov 2025 11:10

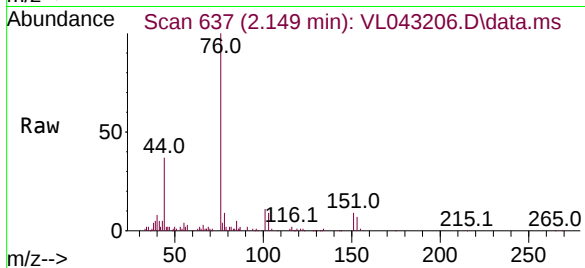
Tgt Ion: 57	Resp: 14639
Ion Ratio	Lower Upper
57 100	
41 96.8	74.6 111.8
43 222.8	179.0 268.4
56 52.3	42.3 63.5





#27
Carbon Disulfide
Concen: 1.062 ppbv
RT: 2.149 min Scan# 636
Delta R.T. 0.003 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

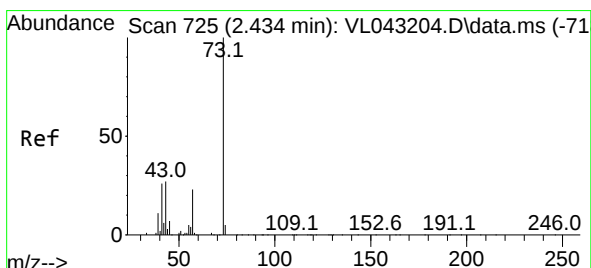
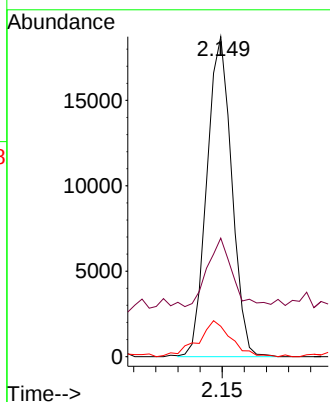
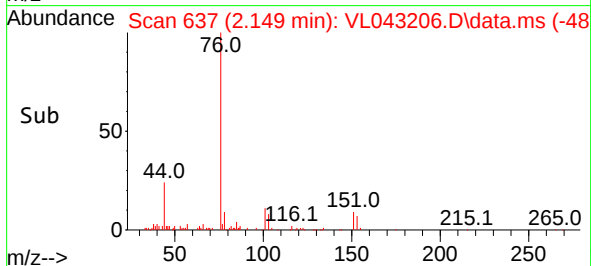
Instrument :
MSVOA_1
Client Sample Id :
VSTDIC001



Tgt Ion: 76 Resp: 1463
Ion Ratio Lower Upper
76 100
44 69.6 16.1 24.1
78 14.8 9.6 14.4

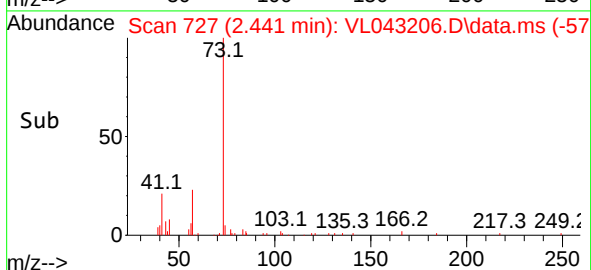
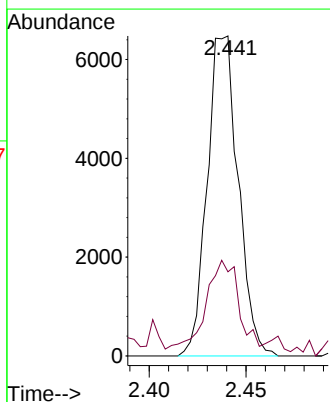
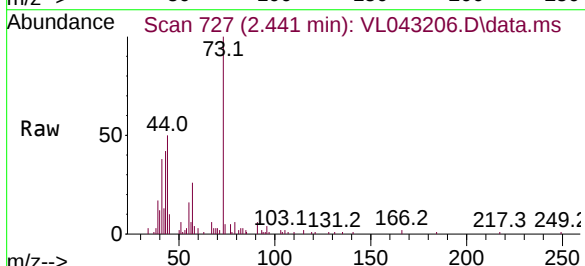
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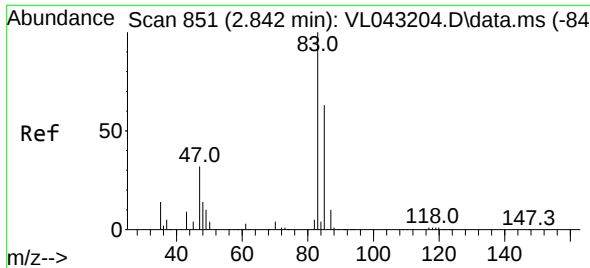
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025



#28
Methyl tert-Butyl Ether
Concen: 1.092 ppbv
RT: 2.441 min Scan# 727
Delta R.T. 0.006 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

Tgt Ion: 73 Resp: 7236
Ion Ratio Lower Upper
73 100
57 33.1 19.8 29.8





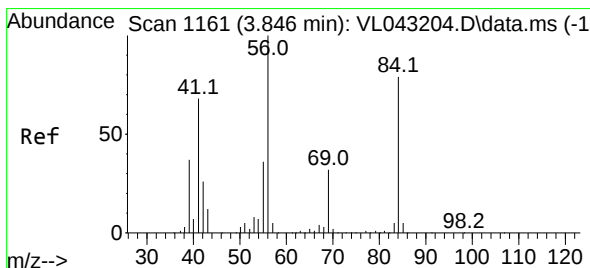
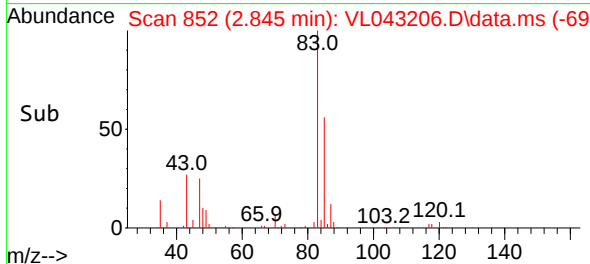
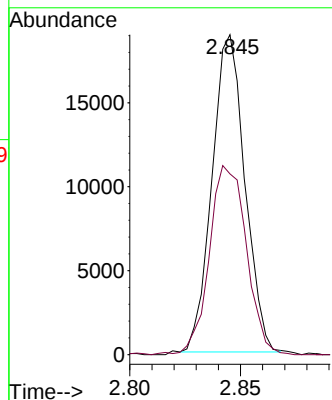
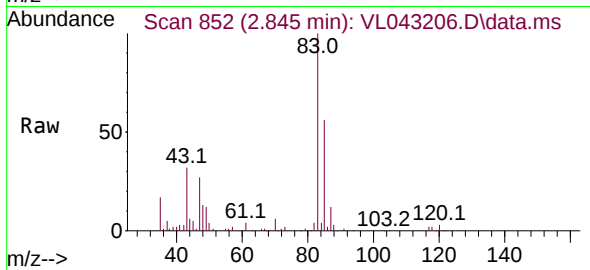
#29
Chloroform
Concen: 1.016 ppbv
RT: 2.845 min Scan# 851
Delta R.T. 0.003 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion: 83 Resp: 19509
Ion Ratio Lower Upper
83 100
85 56.3 50.5 75.7

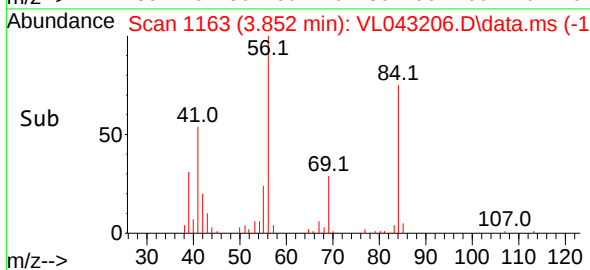
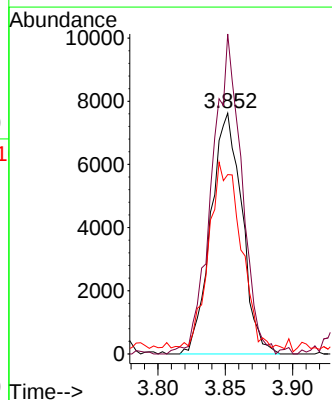
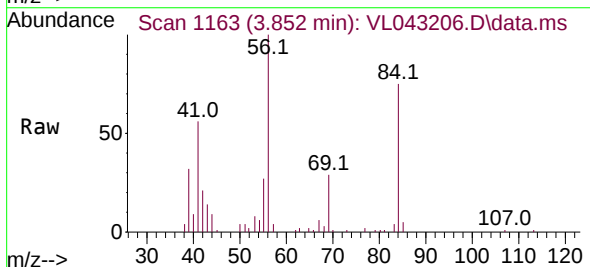
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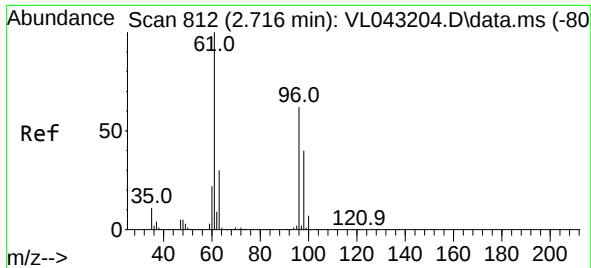
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025



#30
Cyclohexane
Concen: 1.084 ppbv
RT: 3.852 min Scan# 1163
Delta R.T. 0.006 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

Tgt Ion: 84 Resp: 12269
Ion Ratio Lower Upper
84 100
56 127.5 104.7 157.1
41 90.4 69.0 103.6





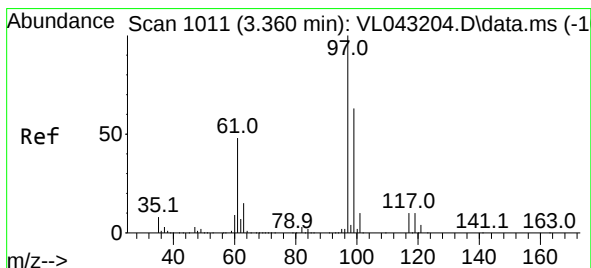
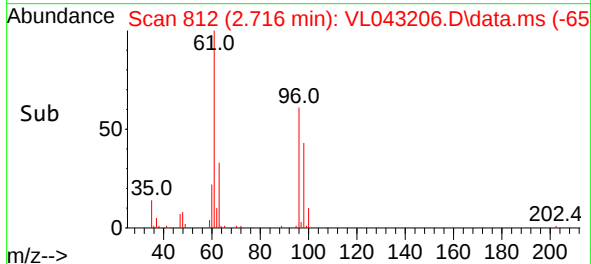
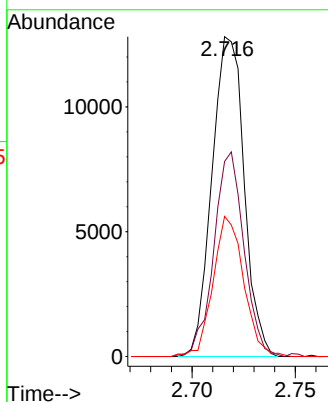
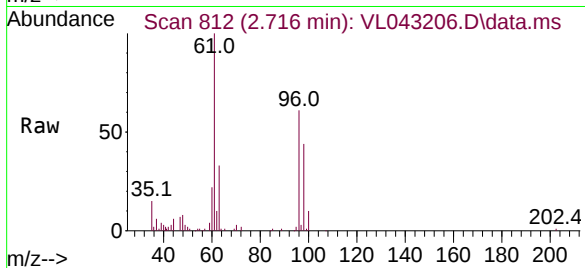
#31
 cis-1,2-Dichloroethene
 Concen: 1.035 ppbv
 RT: 2.716 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VL043206.D
 Acq: 18 Nov 2025 11:10

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tgt Ion: 61 Resp: 13889
 Ion Ratio Lower Upper
 61 100
 96 60.4 49.3 73.9
 98 43.0 32.1 48.1

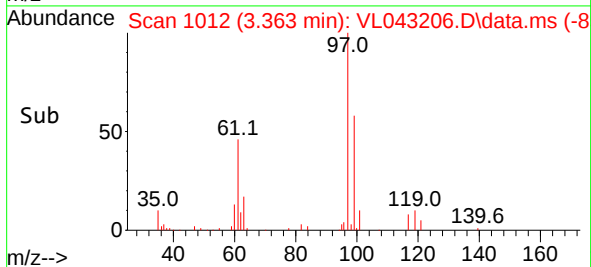
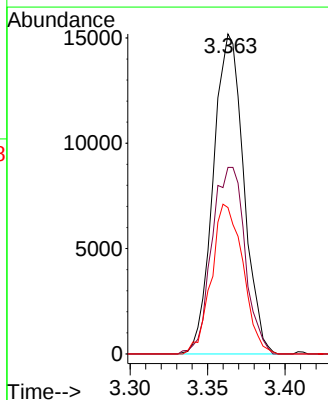
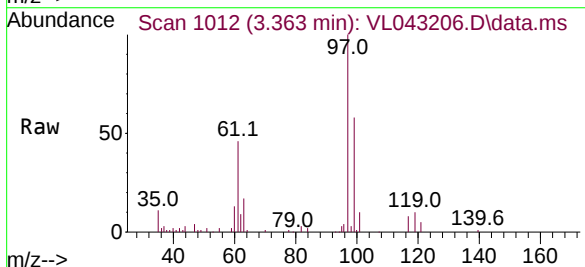
Manual Integrations
 APPROVED

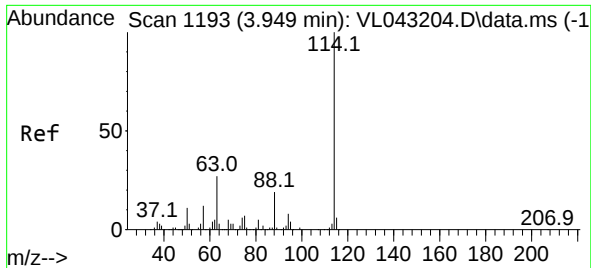
Reviewed By :Semsettin Yesilyurt 11/19/2025
 Supervised By :Mahesh Dadoda 11/19/2025



#32
 1,1,1-Trichloroethane
 Concen: 1.005 ppbv
 RT: 3.363 min Scan# 1012
 Delta R.T. 0.003 min
 Lab File: VL043206.D
 Acq: 18 Nov 2025 11:10

Tgt Ion: 97 Resp: 20745
 Ion Ratio Lower Upper
 97 100
 99 63.6 50.3 75.5
 61 48.3 38.9 58.3





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.952 min Scan# 1194

Delta R.T. 0.003 min

Lab File: VL043206.D

Acq: 18 Nov 2025 11:10

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC001

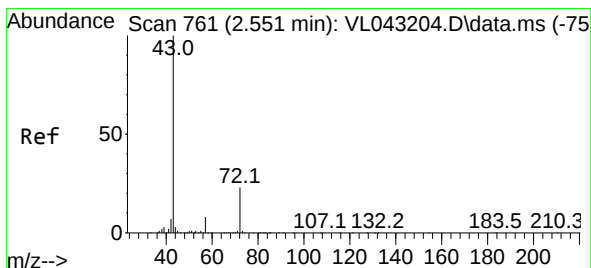
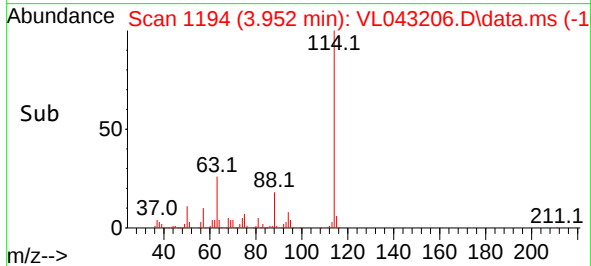
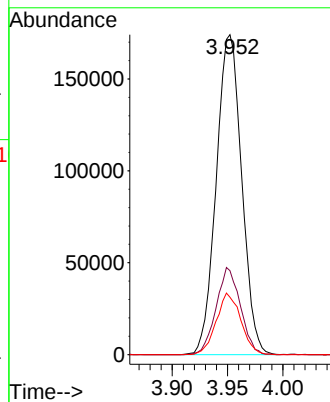
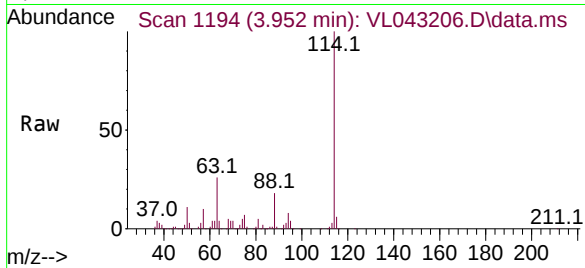
Tgt Ion:	114	Resp:	278732
Ion Ratio	Lower	Upper	
114	100		
63	26.0	21.0	31.6
88	18.6	14.9	22.3

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 11/19/2025

Supervised By :Mahesh Dadoda 11/19/2025



#34

2-Butanone

Concen: 1.064 ppbv

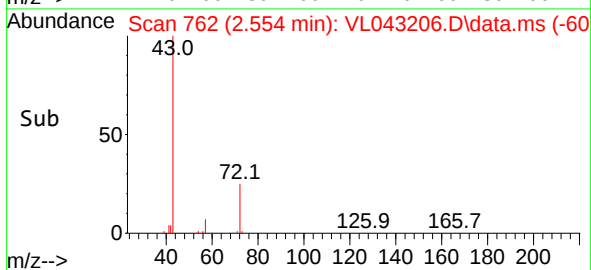
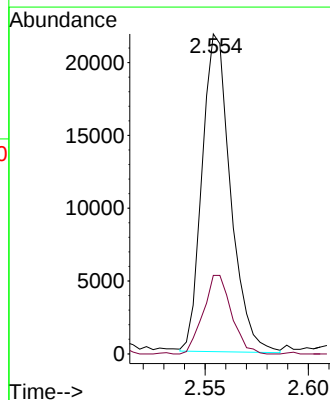
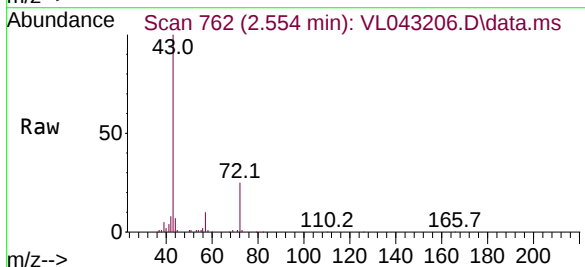
RT: 2.554 min Scan# 762

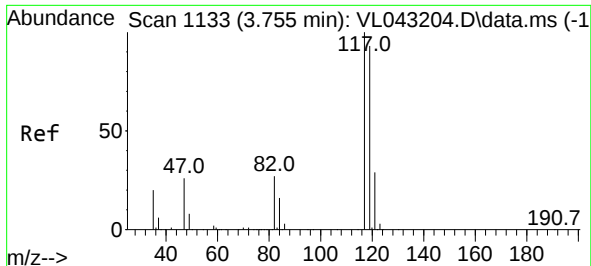
Delta R.T. 0.003 min

Lab File: VL043206.D

Acq: 18 Nov 2025 11:10

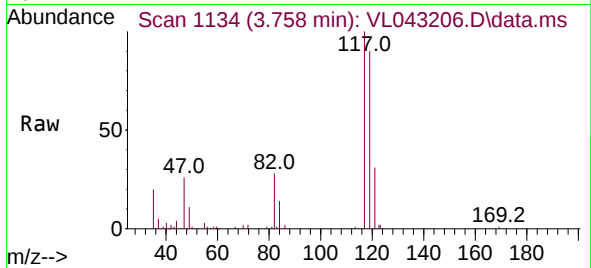
Tgt Ion:	43	Resp:	20940
Ion Ratio	Lower	Upper	
43	100		
72	24.7	18.1	27.1





#35
Carbon Tetrachloride
Concen: 1.016 ppbv
RT: 3.758 min Scan# 1133
Delta R.T. 0.003 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

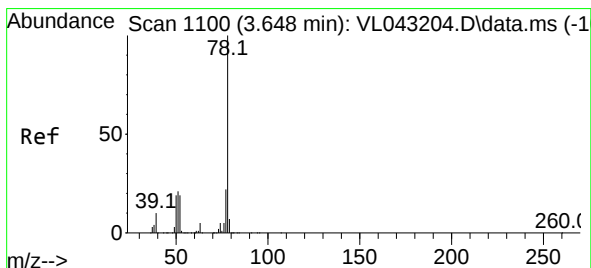
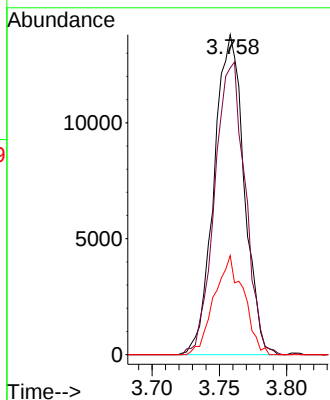
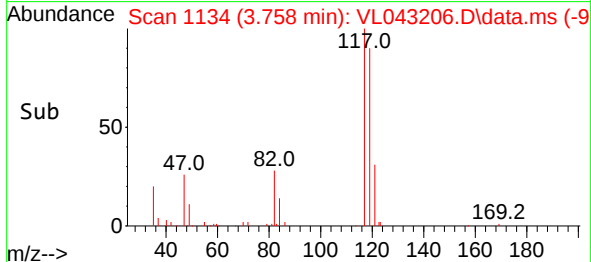
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



Tgt Ion: 117 Resp: 21497
Ion Ratio Lower Upper
117 100
119 89.6 74.6 112.0
121 30.9 23.2 34.8

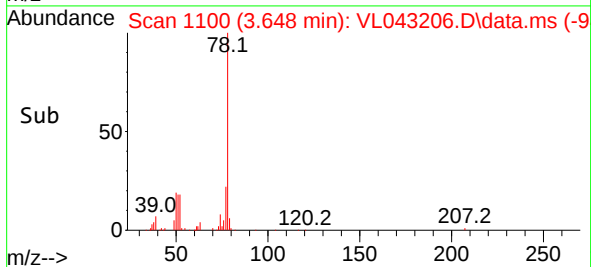
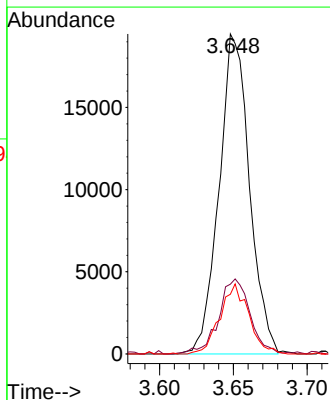
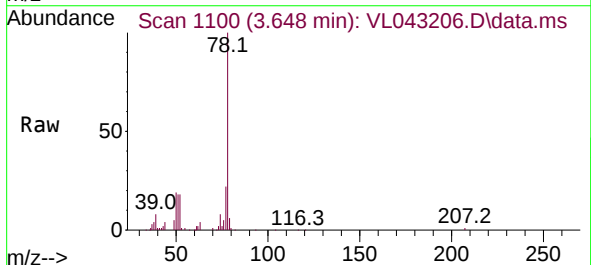
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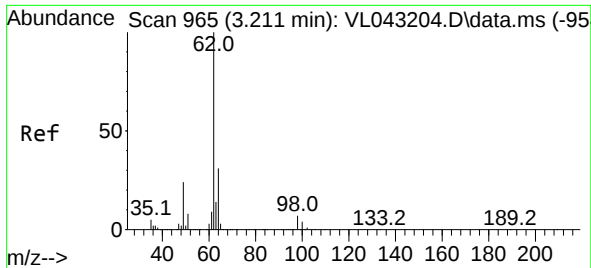
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025



#36
Benzene
Concen: 1.046 ppbv
RT: 3.648 min Scan# 1100
Delta R.T. -0.000 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

Tgt Ion: 78 Resp: 27911
Ion Ratio Lower Upper
78 100
77 21.5 17.5 26.3
50 18.6 15.5 23.3





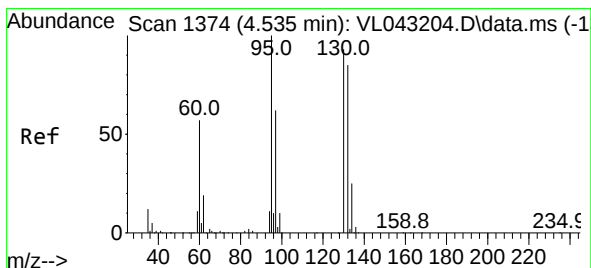
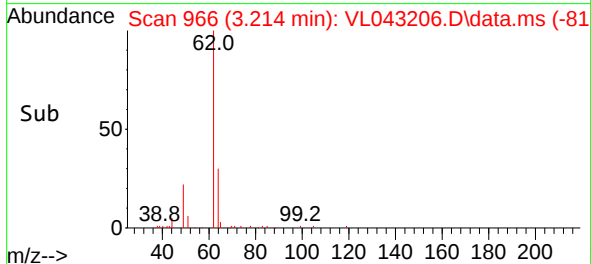
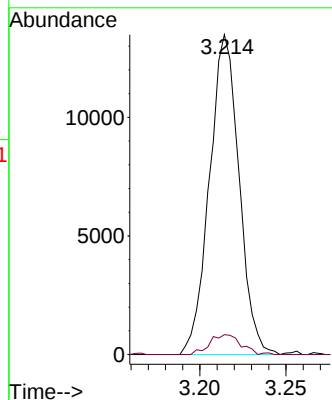
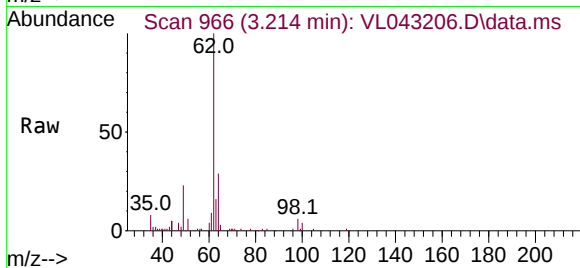
#37
1,2-Dichloroethane
Concen: 1.035 ppbv
RT: 3.214 min Scan# 965
Delta R.T. 0.003 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 62 Resp: 16159
Ion Ratio Lower Upper
62 100
98 6.7 5.5 8.3

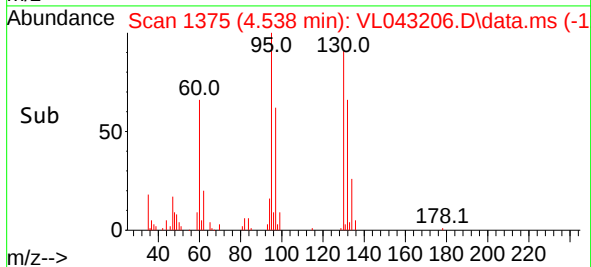
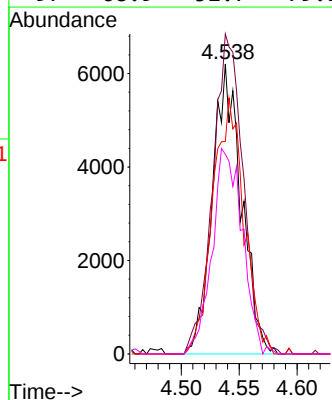
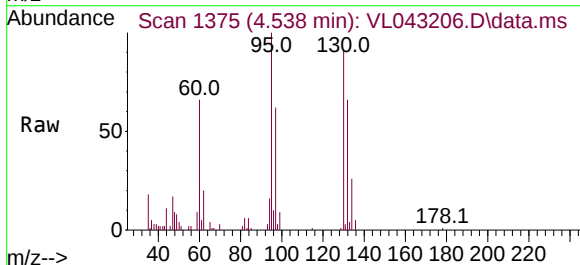
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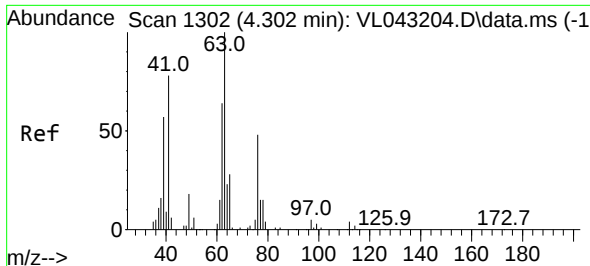
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025



#38
Trichloroethene
Concen: 1.033 ppbv m
RT: 4.538 min Scan# 1375
Delta R.T. 0.003 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

Tgt Ion:130 Resp: 10809
Ion Ratio Lower Upper
130 100
95 110.4 85.7 128.5
132 73.3 73.4 110.0#
97 68.9 52.7 79.1





#39

1,2-Dichloropropane

Concen: 1.039 ppbv

RT: 4.311 min Scan# 1305

Delta R.T. 0.009 min

Lab File: VL043206.D

Acq: 18 Nov 2025 11:10

Instrument :

MSVOA_L

ClientSampleId :

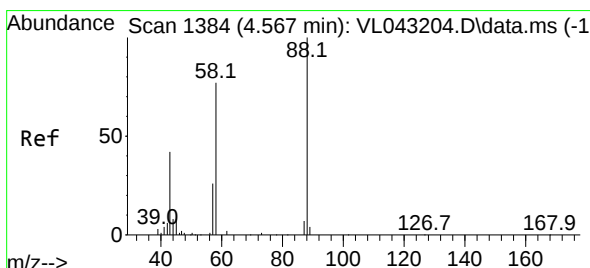
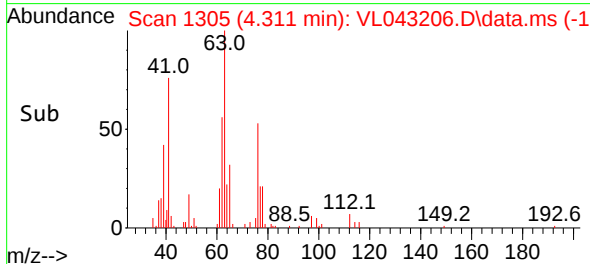
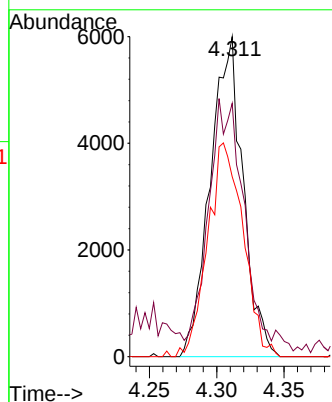
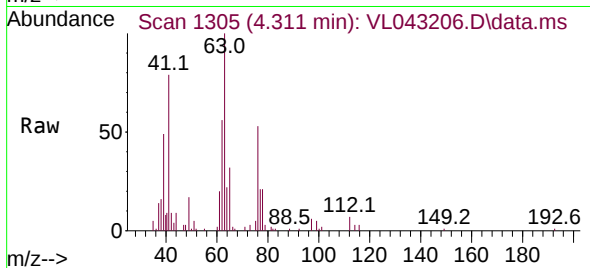
VSTDICC001

Tgt Ion: 63	Resp: 1014
Ion Ratio	Lower Upper
63	100
41	70.5 62.6 93.8
62	56.2 51.0 76.6

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Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025



#40

1,4-Dioxane

Concen: 1.051 ppbv m

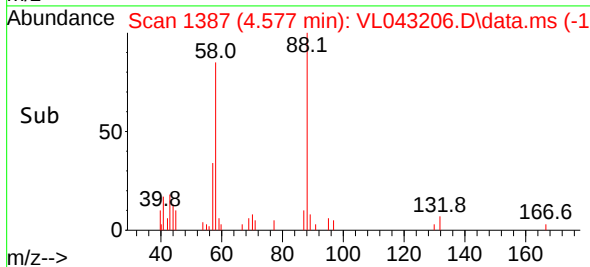
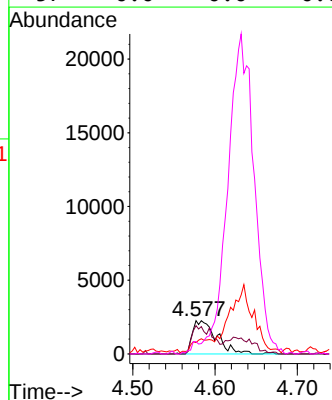
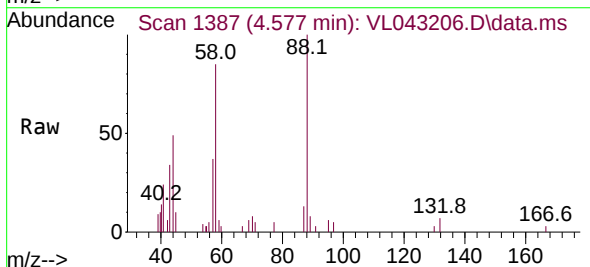
RT: 4.577 min Scan# 1387

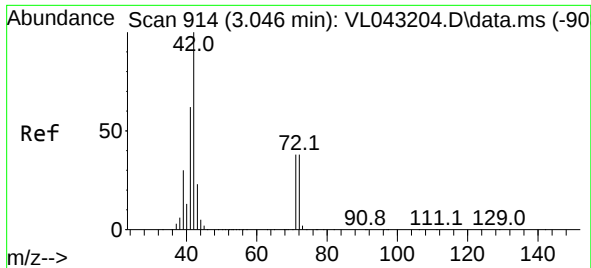
Delta R.T. 0.009 min

Lab File: VL043206.D

Acq: 18 Nov 2025 11:10

Tgt Ion: 88	Resp: 4616
Ion Ratio	Lower Upper
88	100
58	69.6 63.0 94.6
43	0.0 32.5 48.7#
57	0.0 0.0 0.0





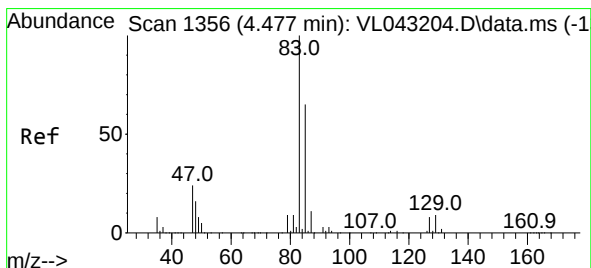
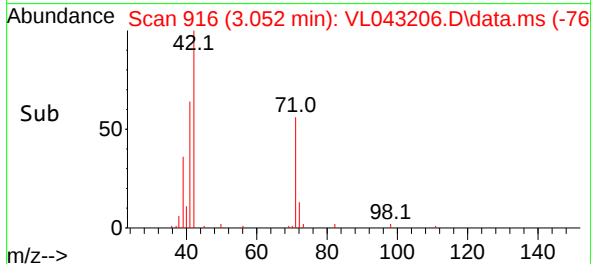
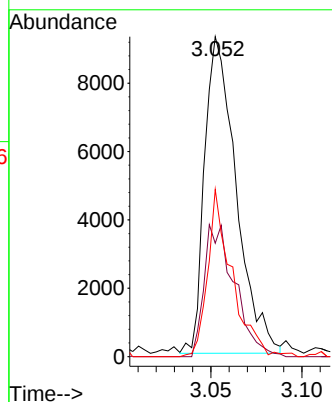
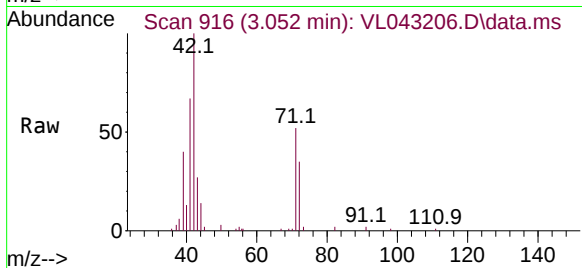
#41
Tetrahydrofuran
Concen: 1.029 ppbv
RT: 3.052 min Scan# 914
Delta R.T. 0.006 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion: 42 Resp: 11176
Ion Ratio Lower Upper
42 100
72 40.2 30.6 46.0
71 40.4 30.5 45.7

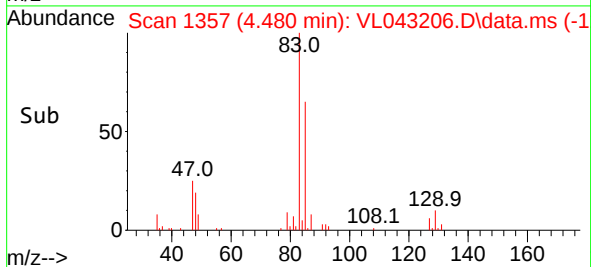
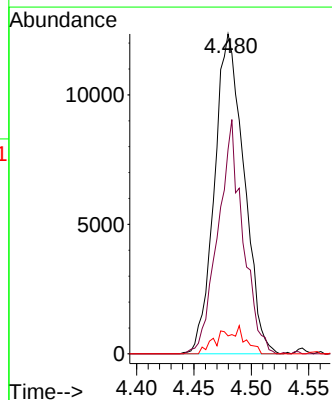
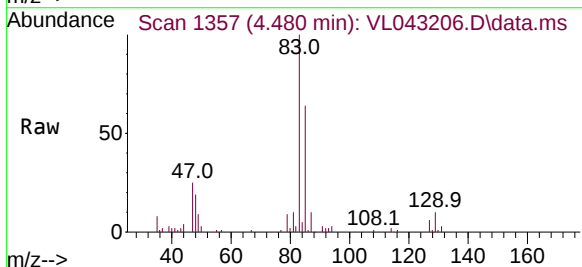
Manual Integrations
APPROVED

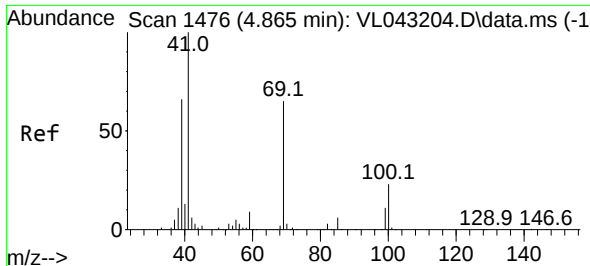
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025



#42
Bromodichloromethane
Concen: 1.028 ppbv
RT: 4.480 min Scan# 1357
Delta R.T. 0.003 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

Tgt Ion: 83 Resp: 22150
Ion Ratio Lower Upper
83 100
85 63.8 51.7 77.5
127 5.6 6.3 9.5#





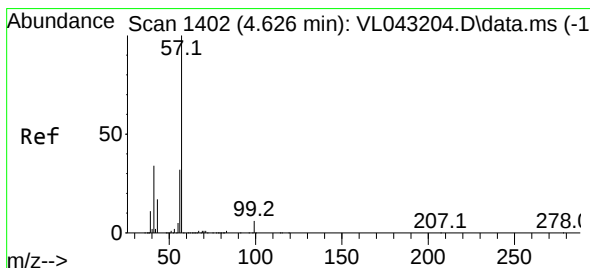
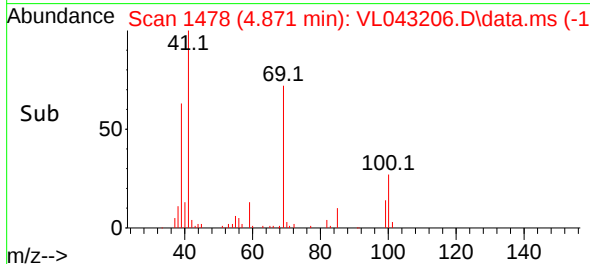
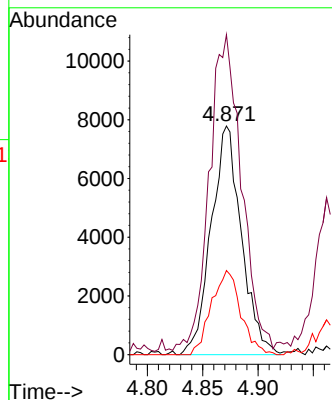
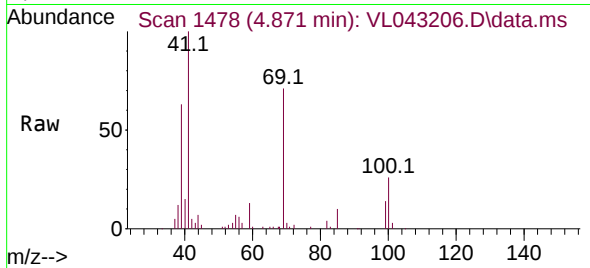
#43
Methyl Methacrylate
Concen: 1.046 ppbv
RT: 4.871 min Scan# 1476
Delta R.T. 0.006 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion: 69 Resp: 1482
Ion Ratio Lower Upper
69 100
41 148.1 126.7 190.1
100 35.7 28.6 43.0

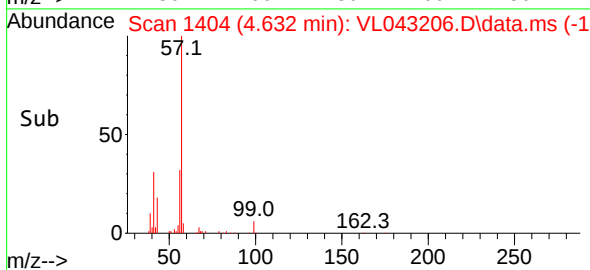
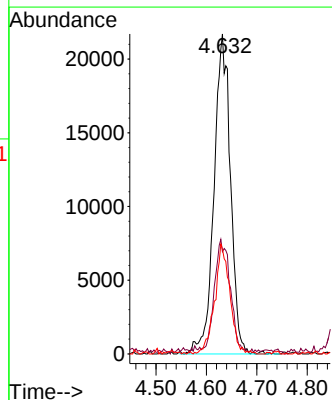
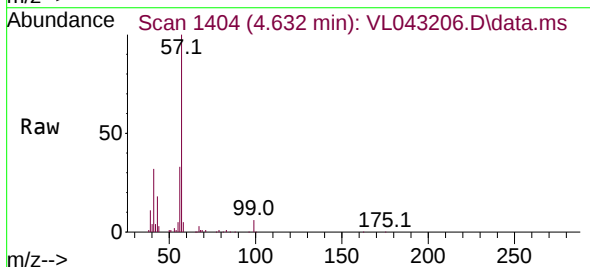
Manual Integrations
APPROVED

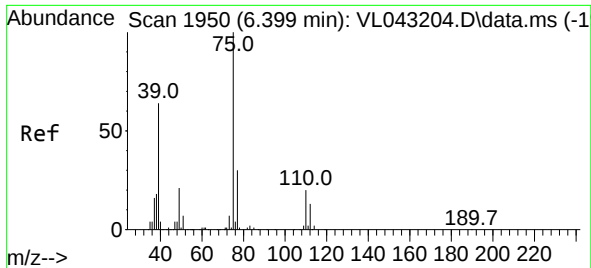
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025



#44
2,2,4-Trimethylpentane
Concen: 1.073 ppbv m
RT: 4.632 min Scan# 1404
Delta R.T. 0.006 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

Tgt Ion: 57 Resp: 49203
Ion Ratio Lower Upper
57 100
41 37.7 28.0 42.0
56 32.0 25.6 38.4





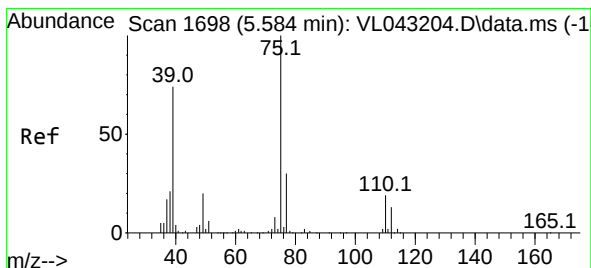
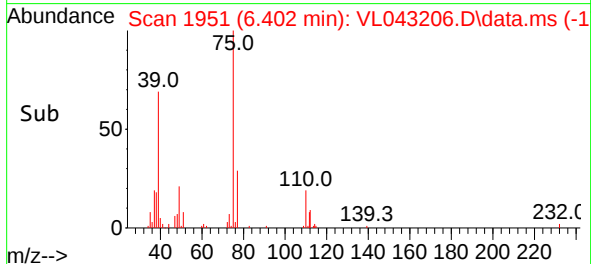
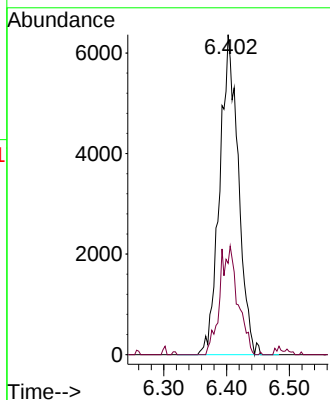
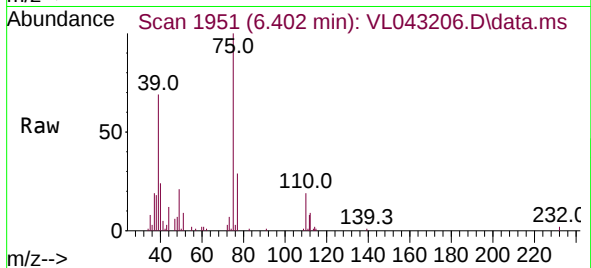
#45
t-1,3-Dichloropropene
Concen: 0.996 ppbv m
RT: 6.402 min Scan# 1950
Delta R.T. 0.003 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion: 75 Resp: 13149
Ion Ratio Lower Upper
75 100
77 28.5 24.3 36.5

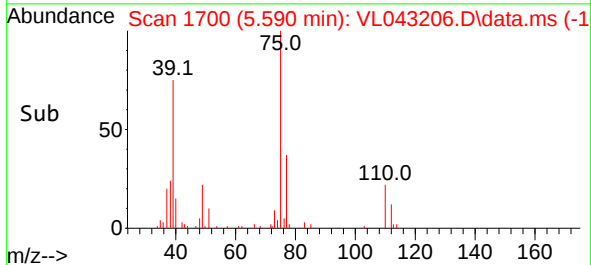
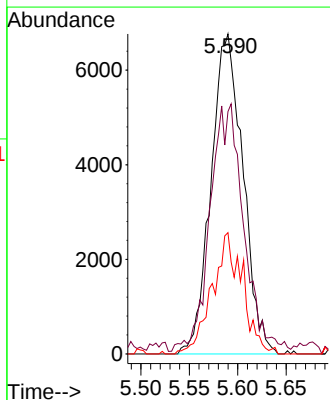
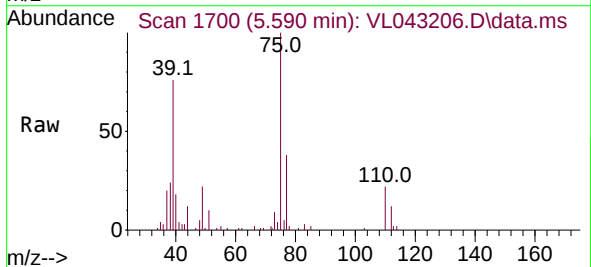
Manual Integrations
APPROVED

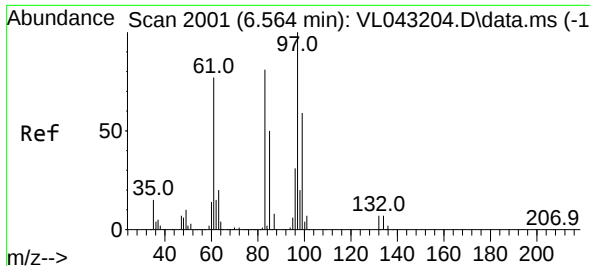
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025



#46
cis-1,3-Dichloropropene
Concen: 1.001 ppbv
RT: 5.590 min Scan# 1700
Delta R.T. 0.006 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

Tgt Ion: 75 Resp: 15527
Ion Ratio Lower Upper
75 100
39 72.5 59.1 88.7
77 37.9 24.2 36.2#





#47

1,1,2-Trichloroethane

Concen: 0.995 ppbv

RT: 6.577 min Scan# 2005

Delta R.T. 0.013 min

Lab File: VL043206.D

Acq: 18 Nov 2025 11:10

Instrument :

MSVOA_L

ClientSampleId :

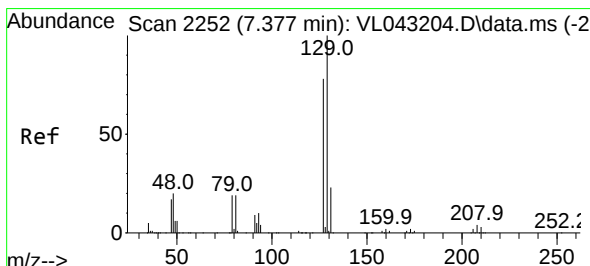
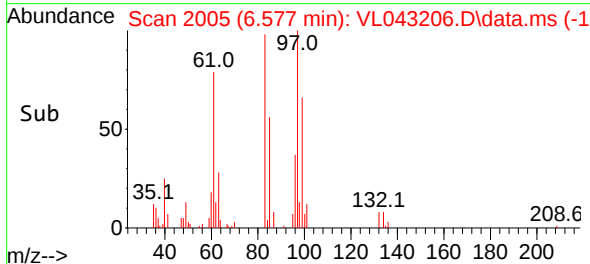
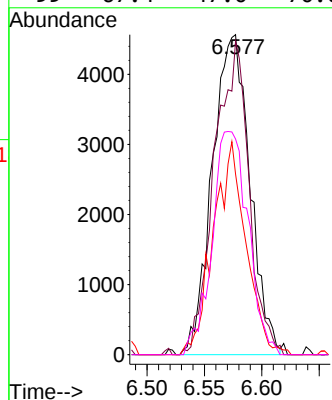
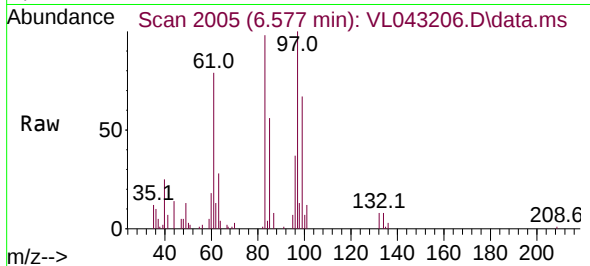
VSTDICC001

Tgt Ion:	97	Resp:	10369
Ion	Ratio	Lower	Upper
97	100		
83	97.9	64.6	97.0
85	56.4	39.4	59.2
99	67.4	47.0	70.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025



#48

Dibromochloromethane

Concen: 1.041 ppbv

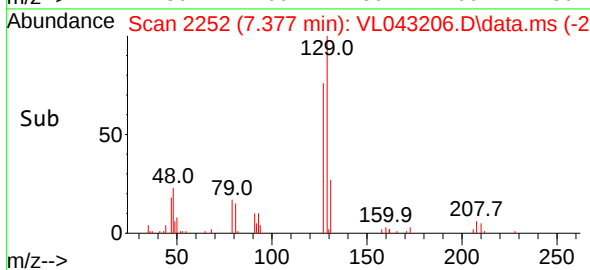
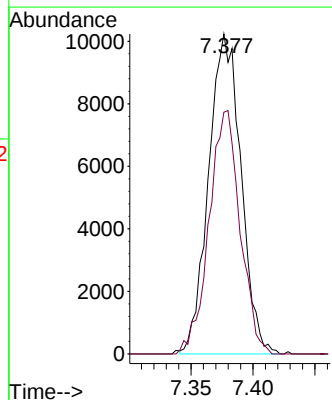
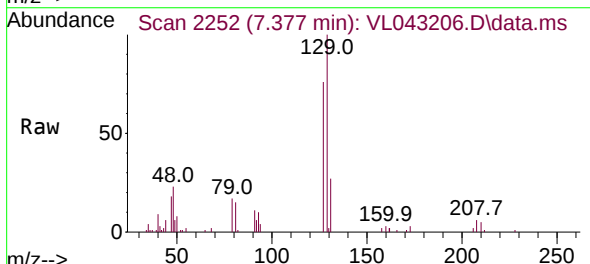
RT: 7.377 min Scan# 2252

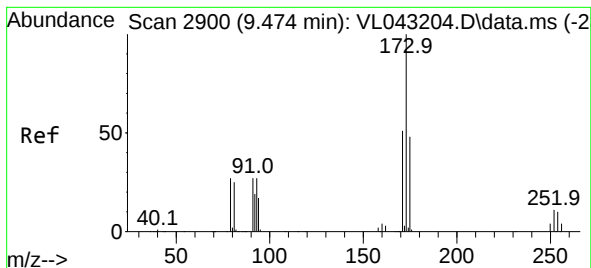
Delta R.T. -0.000 min

Lab File: VL043206.D

Acq: 18 Nov 2025 11:10

Tgt Ion:	129	Resp:	18560
Ion	Ratio	Lower	Upper
129	100		
127	72.8	39.3	117.9





#49

Bromoform

Concen: 1.004 ppbv

RT: 9.477 min Scan# 2900

Delta R.T. 0.003 min

Lab File: VL043206.D

Acq: 18 Nov 2025 11:10

Instrument :

MSVOA_L

ClientSampleId :

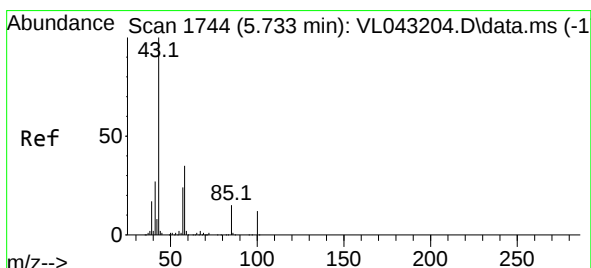
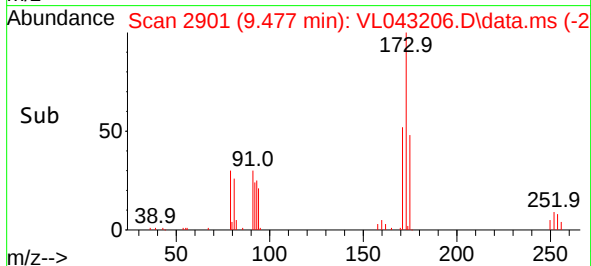
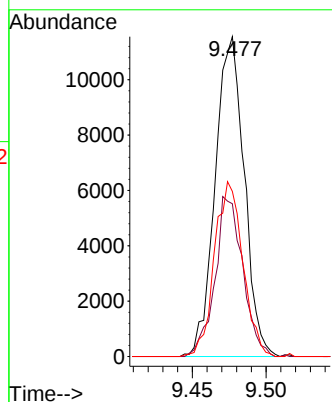
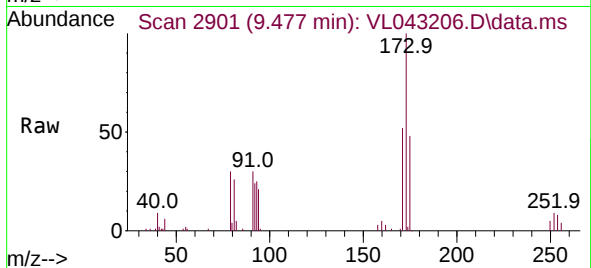
VSTDIC001

Tgt Ion:	173	Resp:	1585
Ion Ratio	Lower	Upper	
173	100		
175	47.9	38.6	58.0
171	53.5	40.6	61.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025



#50

4-Methyl-2-Pentanone

Concen: 1.067 ppbv

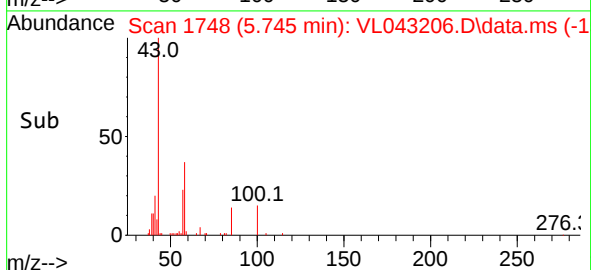
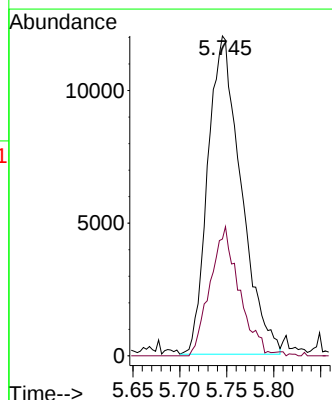
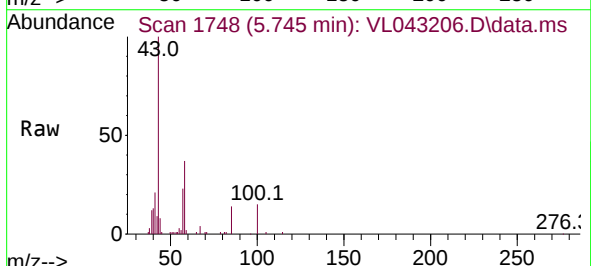
RT: 5.745 min Scan# 1748

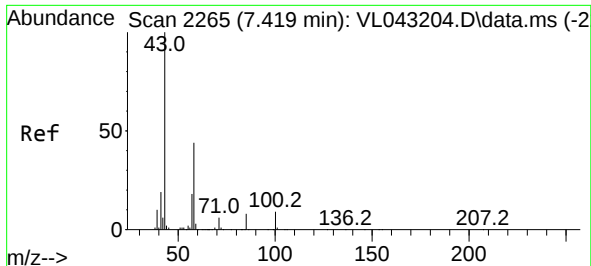
Delta R.T. 0.013 min

Lab File: VL043206.D

Acq: 18 Nov 2025 11:10

Tgt Ion:	43	Resp:	29560
Ion Ratio	Lower	Upper	
43	100		
58	36.1	28.4	42.6





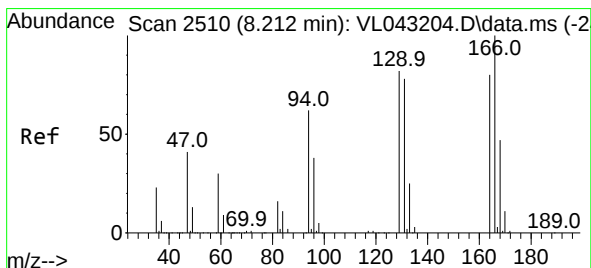
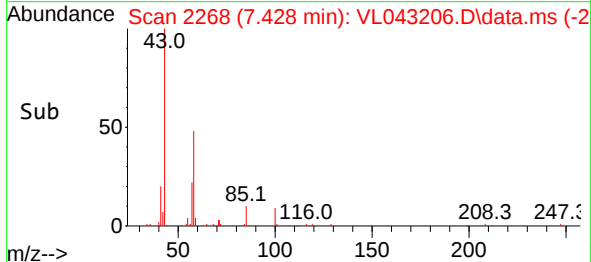
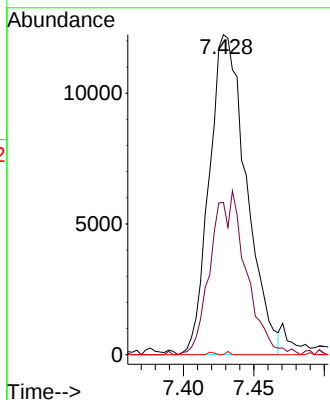
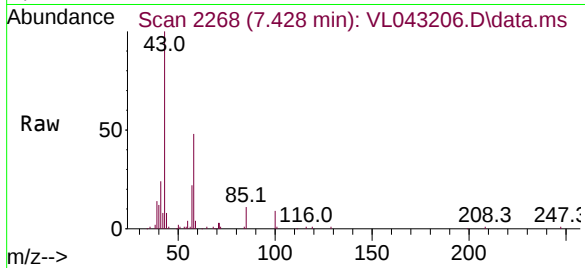
#51
2-Hexanone
Concen: 1.043 ppbv
RT: 7.428 min Scan# 2111
Delta R.T. 0.009 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion: 43 Resp: 22438
Ion Ratio Lower Upper
43 100
58 49.4 38.4 57.6
98 0.2 0.0 0.0

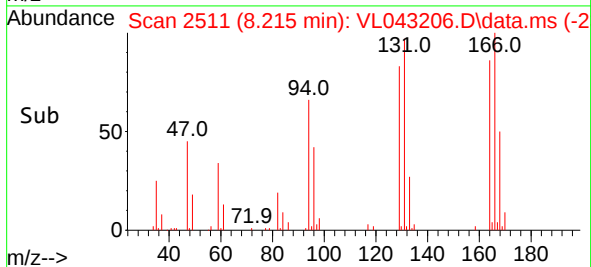
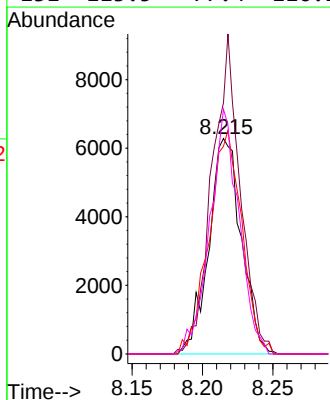
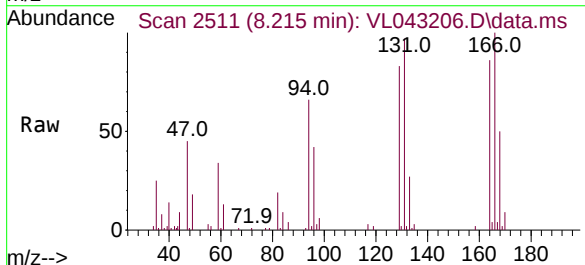
Manual Integrations
APPROVED

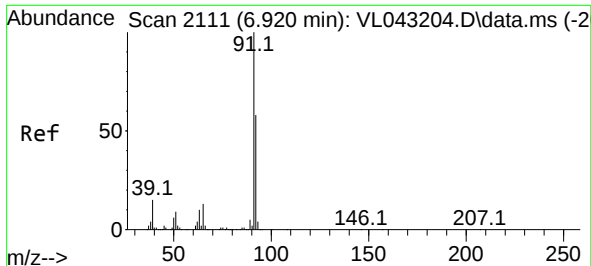
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025



#52
Tetrachloroethene
Concen: 1.015 ppbv
RT: 8.215 min Scan# 2511
Delta R.T. 0.003 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

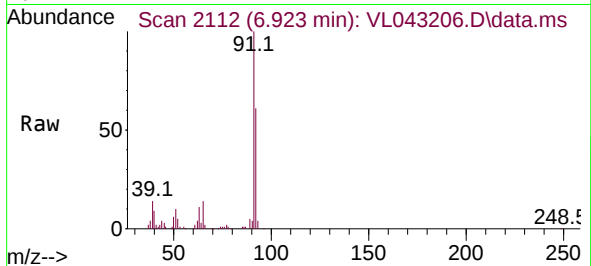
Tgt Ion:164 Resp: 10080
Ion Ratio Lower Upper
164 100
166 116.5 99.4 149.2
129 96.3 81.8 122.8
131 113.5 77.4 116.2





#53
Toluene
Concen: 1.036 ppbv
RT: 6.923 min Scan# 2111
Delta R.T. 0.003 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

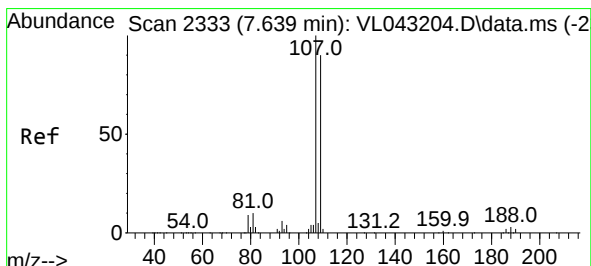
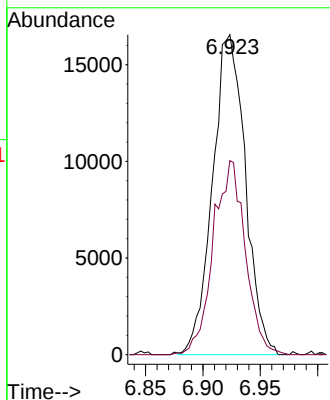
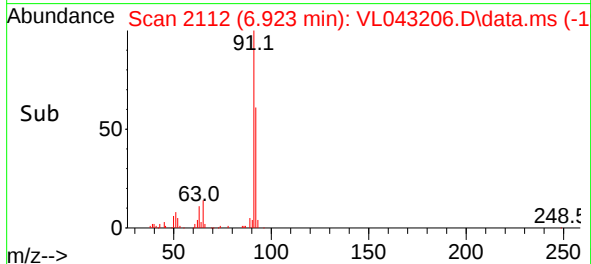
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001



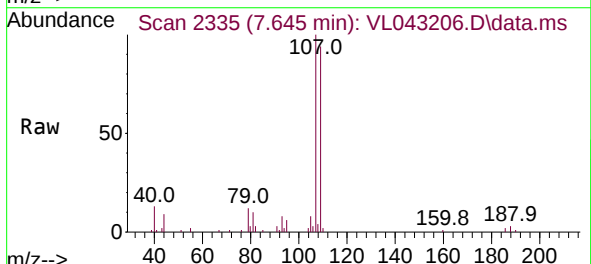
Tgt Ion: 91 Resp: 3295
Ion Ratio Lower Upper
91 100
92 59.0 47.4 71.0

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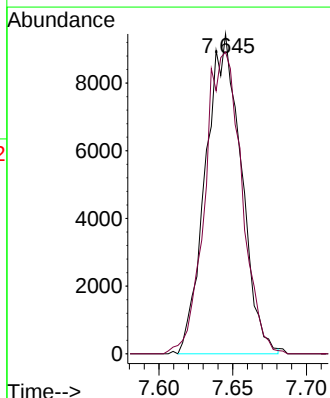
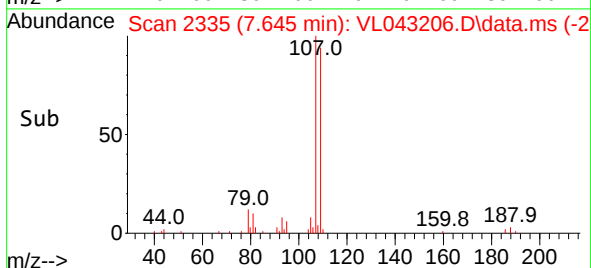
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

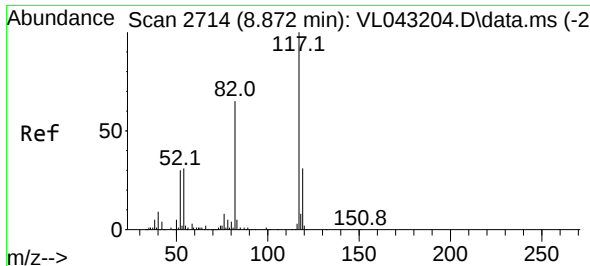


#54
1,2-Dibromoethane
Concen: 1.040 ppbv
RT: 7.645 min Scan# 2335
Delta R.T. 0.006 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10



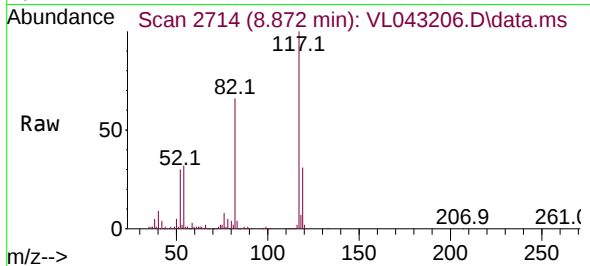
Tgt Ion:107 Resp: 15865
Ion Ratio Lower Upper
107 100
109 93.3 72.1 108.1





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.872 min Scan# 2714
Delta R.T. -0.000 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

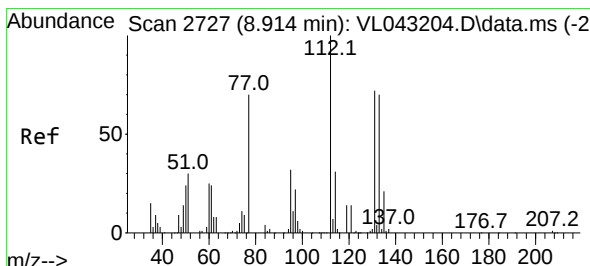
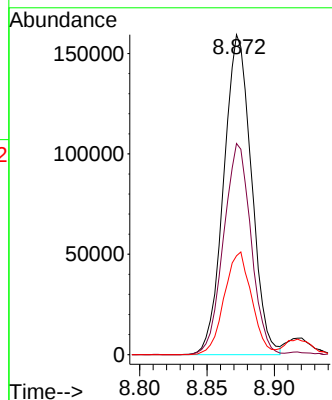
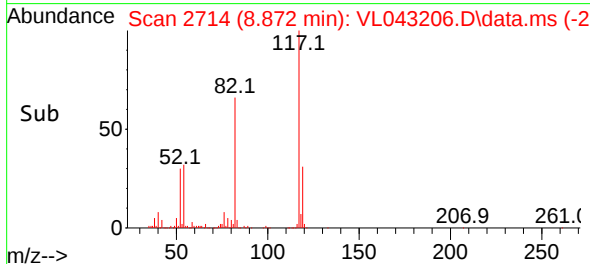
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



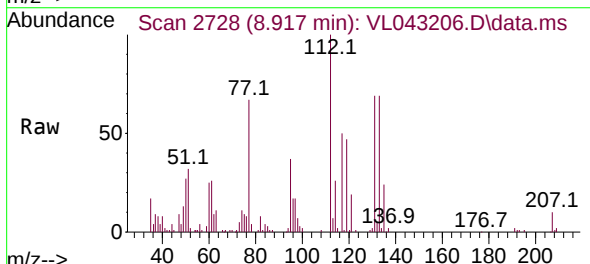
Tgt Ion:117 Resp: 227998
Ion Ratio Lower Upper
117 100
82 66.2 56.1 84.1
119 32.1 25.0 37.6

Manual Integrations
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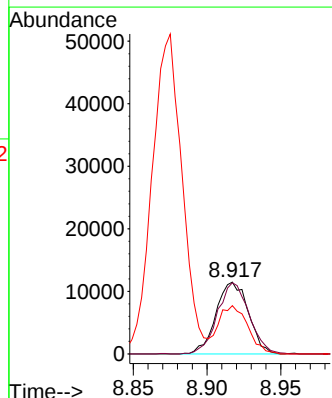
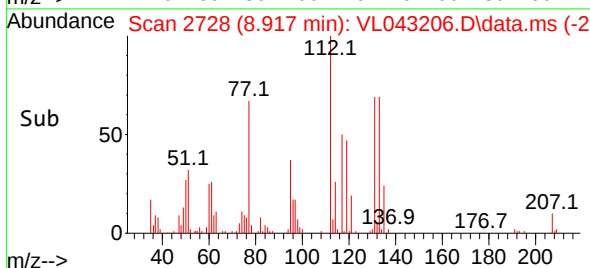
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

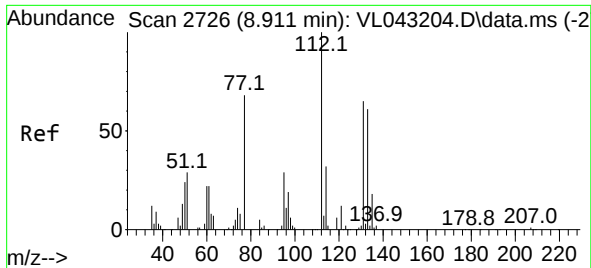


#56
1,1,1,2-Tetrachloroethane
Concen: 1.046 ppbv
RT: 8.917 min Scan# 2728
Delta R.T. 0.003 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10



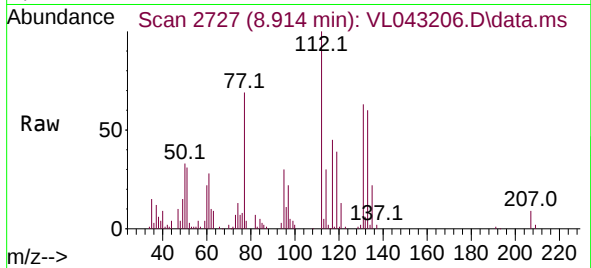
Tgt Ion:131 Resp: 17535
Ion Ratio Lower Upper
131 100
133 97.3 77.4 116.2
119 60.6 49.1 73.7





#57
Chlorobenzene
Concen: 1.060 ppbv
RT: 8.914 min Scan# 2726
Delta R.T. 0.003 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

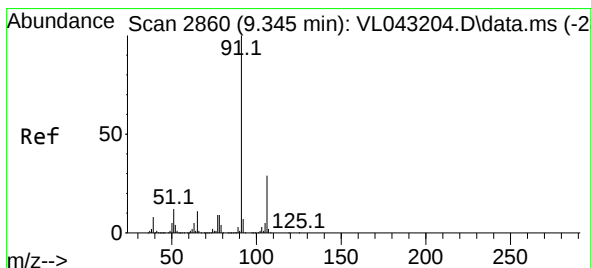
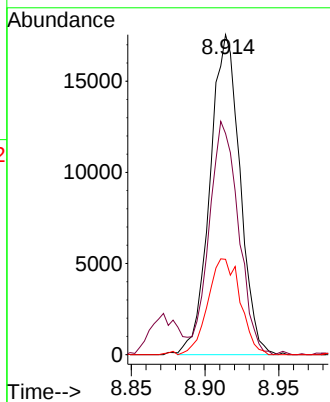
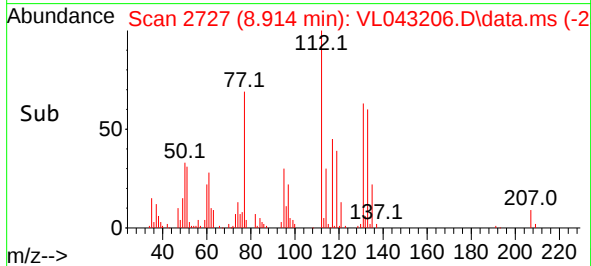
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001



Tgt Ion: 112 Resp: 24806
Ion Ratio Lower Upper
112 100
77 68.6 55.5 83.3
114 29.8 29.1 35.5

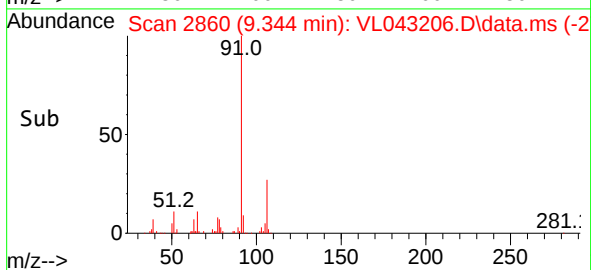
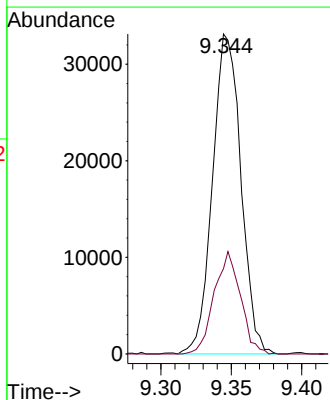
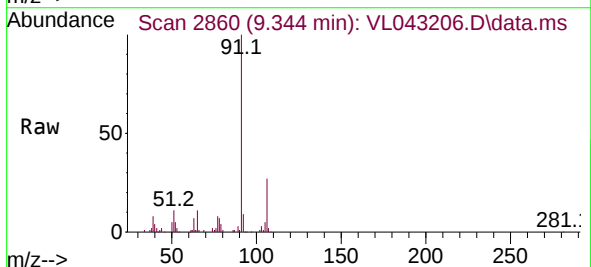
Manual Integrations
APPROVED

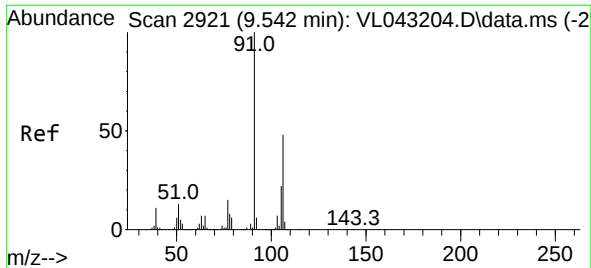
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025



#58
Ethyl Benzene
Concen: 1.059 ppbv
RT: 9.344 min Scan# 2860
Delta R.T. -0.000 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

Tgt Ion: 91 Resp: 46455
Ion Ratio Lower Upper
91 100
106 26.6 22.8 34.2





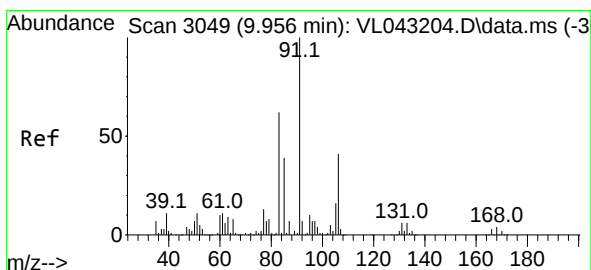
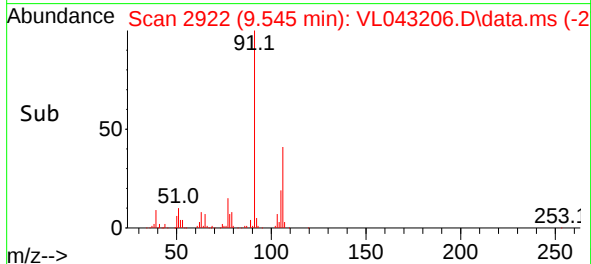
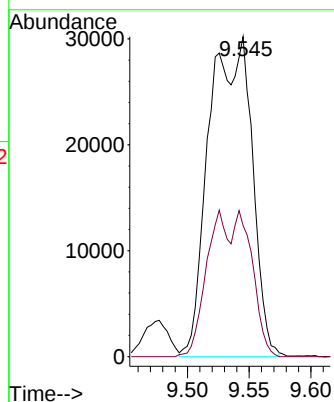
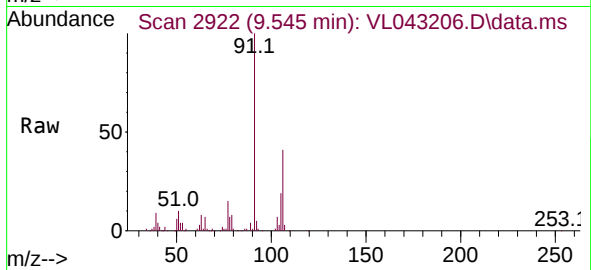
#59
m/p-Xylene
Concen: 2.080 ppbv m
RT: 9.545 min Scan# 2921
Delta R.T. 0.003 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion: 91 Resp: 7346
Ion Ratio Lower Upper
91 100
106 0.0 36.1 54.1

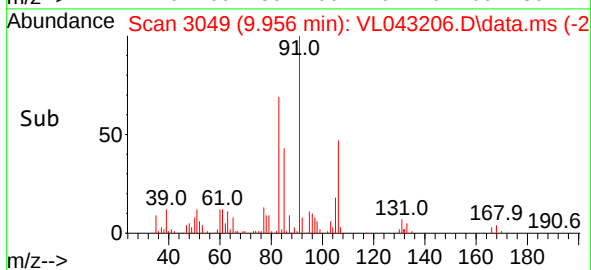
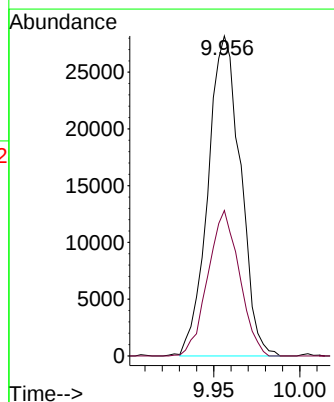
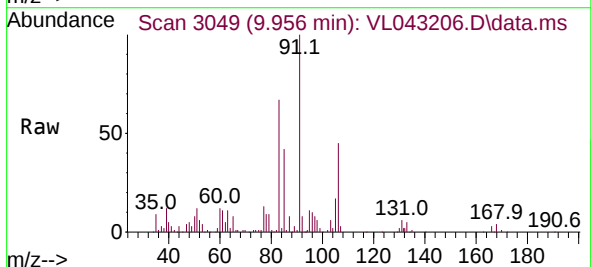
Manual Integrations
APPROVED

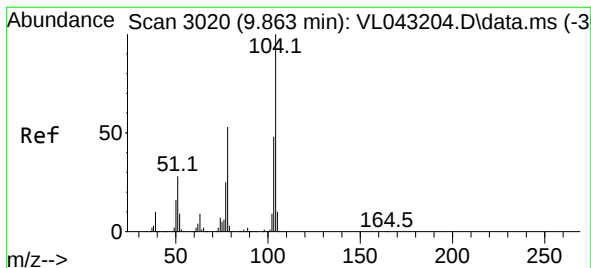
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025



#60
o-Xylene
Concen: 1.054 ppbv
RT: 9.956 min Scan# 3049
Delta R.T. -0.000 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

Tgt Ion: 91 Resp: 37054
Ion Ratio Lower Upper
91 100
106 44.1 20.9 62.8





#61

Styrene

Concen: 1.023 ppbv

RT: 9.866 min Scan# 3020

Delta R.T. 0.003 min

Lab File: VL043206.D

Acq: 18 Nov 2025 11:10

Instrument :

MSVOA_L

ClientSampleId :

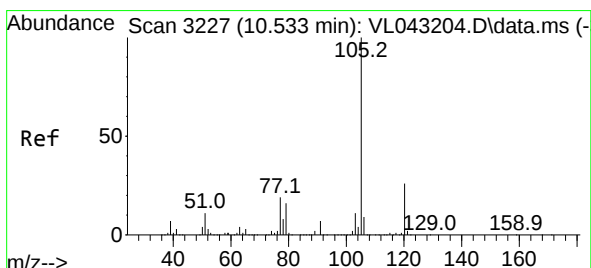
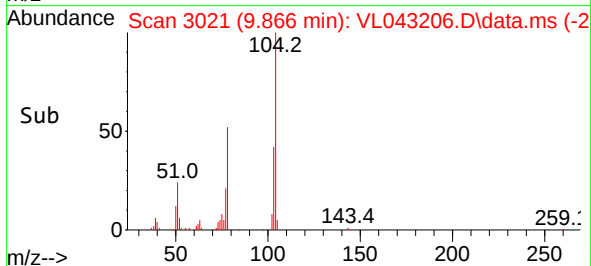
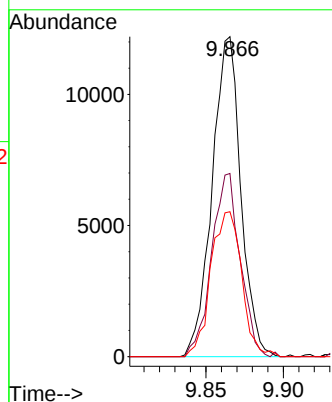
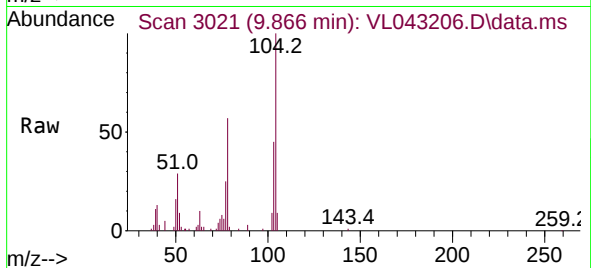
VSTDIC001

Tgt Ion:104 Resp: 15730
 Ion Ratio Lower Upper
 104 100
 78 56.9 42.1 63.1
 103 48.6 37.2 55.8

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 11/19/2025
 Supervised By :Mahesh Dadoda 11/19/2025



#62

Isopropylbenzene

Concen: 1.068 ppbv

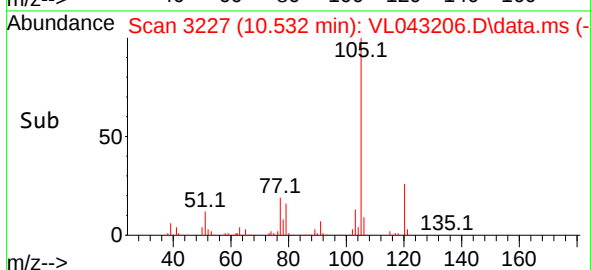
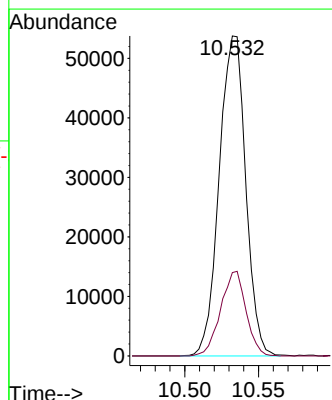
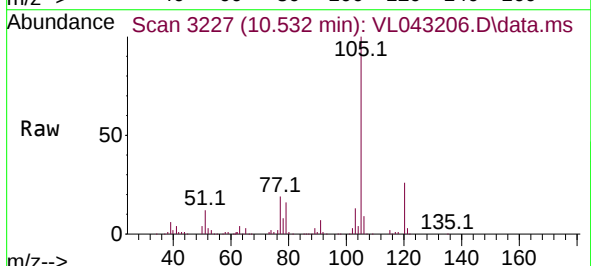
RT: 10.532 min Scan# 3227

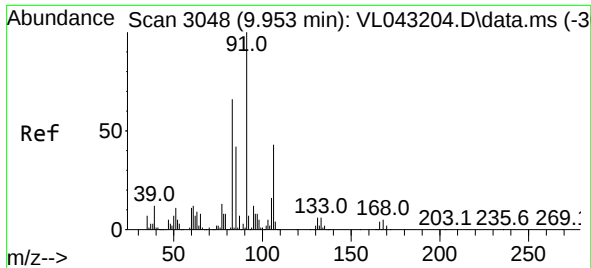
Delta R.T. -0.000 min

Lab File: VL043206.D

Acq: 18 Nov 2025 11:10

Tgt Ion:105 Resp: 67163
 Ion Ratio Lower Upper
 105 100
 120 25.2 19.8 29.8





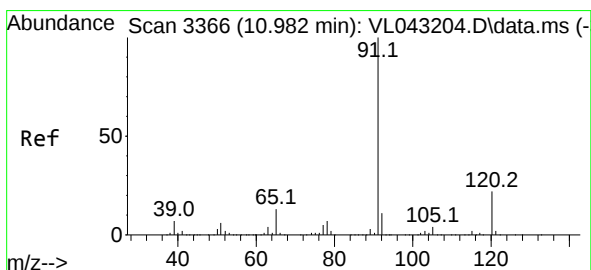
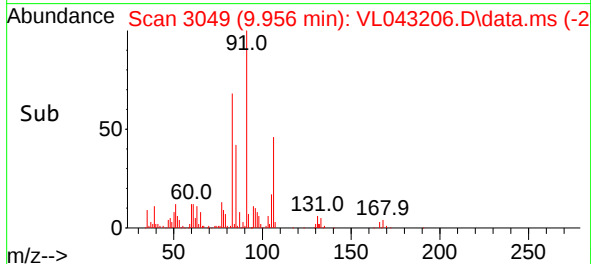
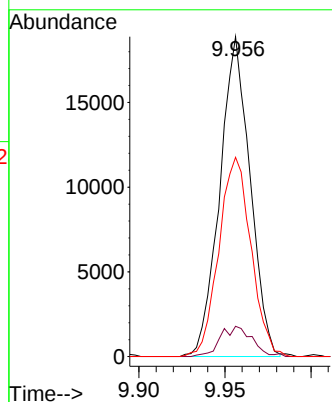
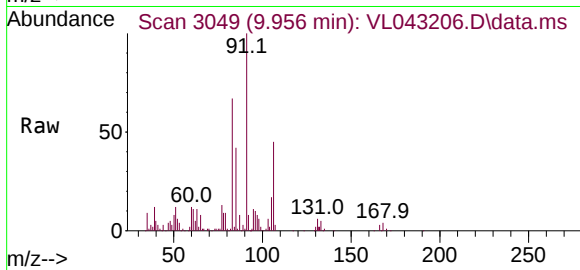
#63
1,1,2,2-Tetrachloroethane
Concen: 1.035 ppbv
RT: 9.956 min Scan# 3048
Delta R.T. 0.003 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion: 83 Resp: 23083
Ion Ratio Lower Upper
83 100
131 10.0 4.8 14.3
85 66.2 31.9 95.9

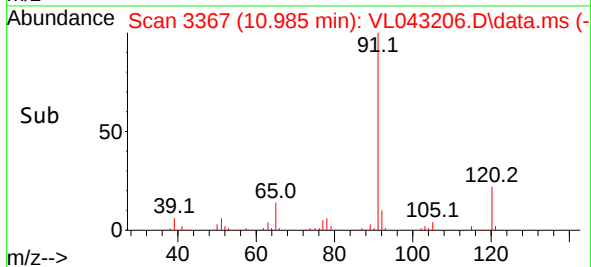
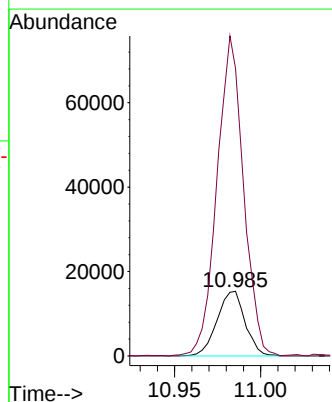
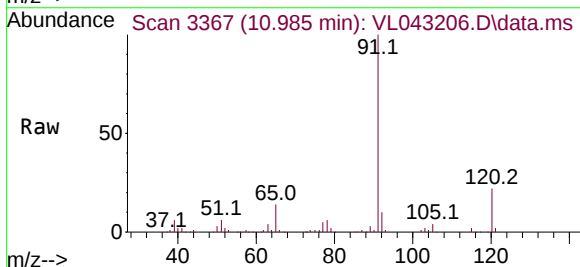
Manual Integrations
APPROVED

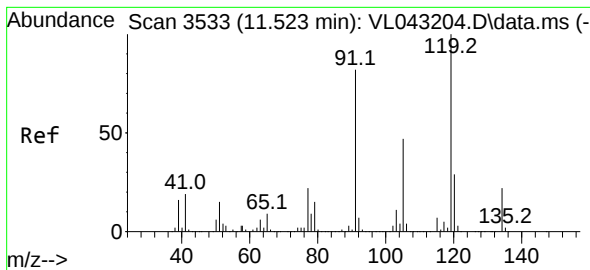
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025



#64
n-propylbenzene
Concen: 1.070 ppbv
RT: 10.985 min Scan# 3367
Delta R.T. 0.003 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

Tgt Ion:120 Resp: 17289
Ion Ratio Lower Upper
120 100
91 471.4 377.1 565.7





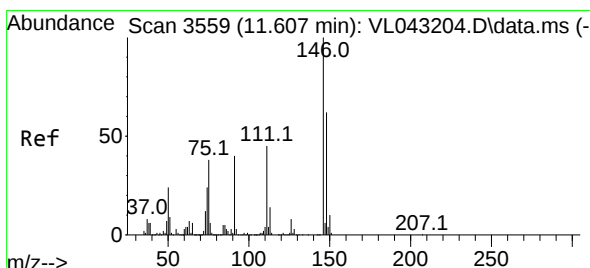
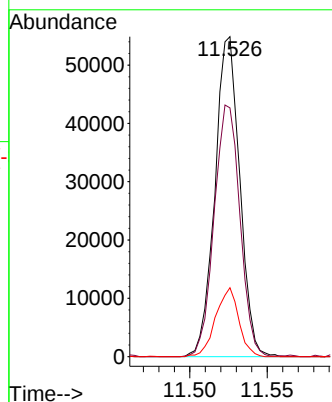
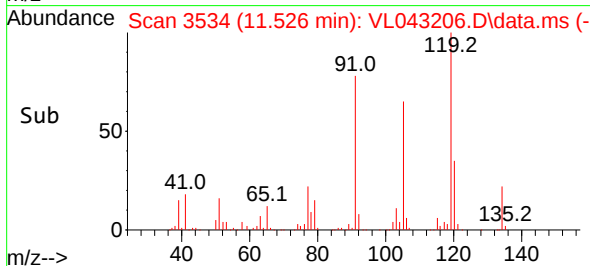
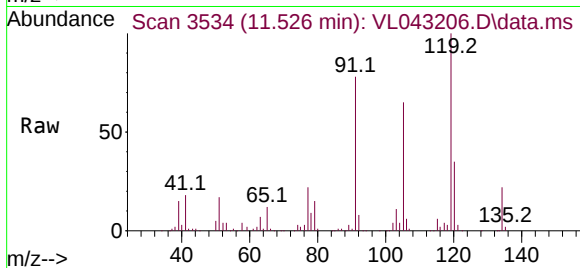
#65
tert-Butylbenzene
Concen: 1.091 ppbv
RT: 11.526 min Scan# 3533
Delta R.T. 0.003 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:119 Resp: 61258
Ion Ratio Lower Upper
119 100
91 81.7 65.3 97.9
134 20.0 17.0 25.4

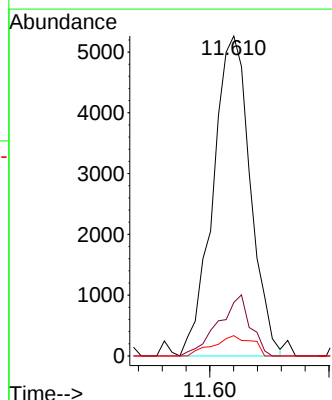
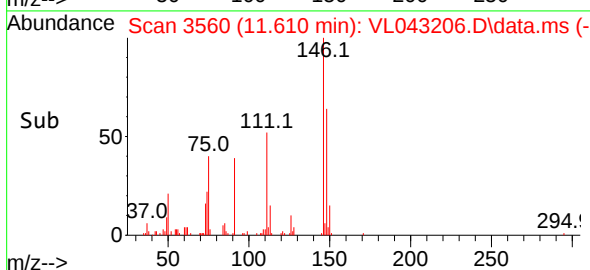
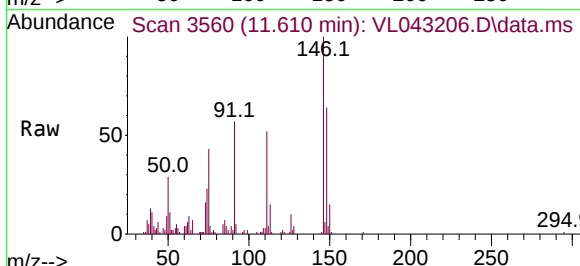
Manual Integrations
APPROVED

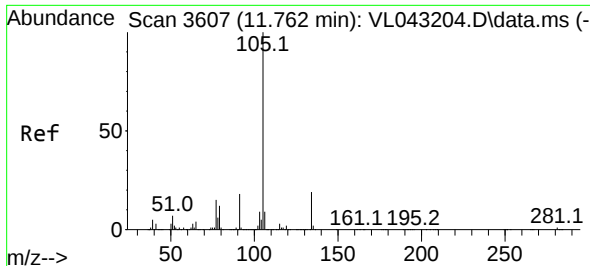
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025



#66
Benzyl Chloride
Concen: 1.005 ppbv
RT: 11.610 min Scan# 3560
Delta R.T. 0.003 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

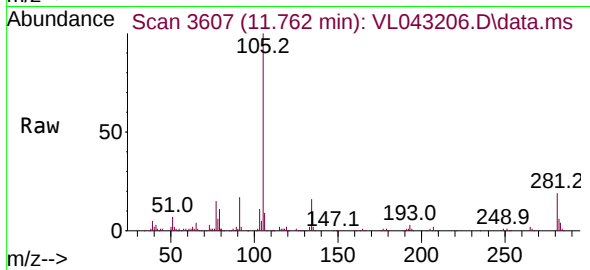
Tgt Ion: 91 Resp: 5729
Ion Ratio Lower Upper
91 100
126 16.3 14.4 21.6
128 6.5 4.6 6.8





#67
 sec-Butylbenzene
 Concen: 1.084 ppbv
 RT: 11.762 min Scan# 3607
 Delta R.T. -0.000 min
 Lab File: VL043206.D
 Acq: 18 Nov 2025 11:10

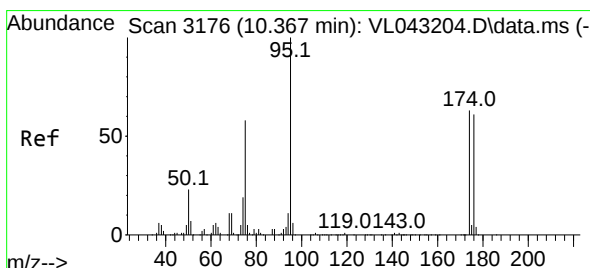
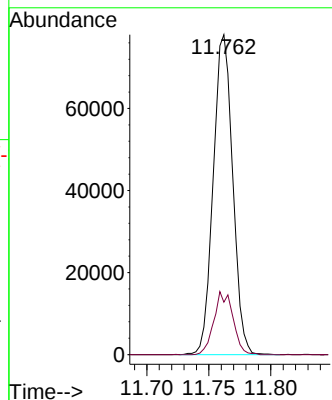
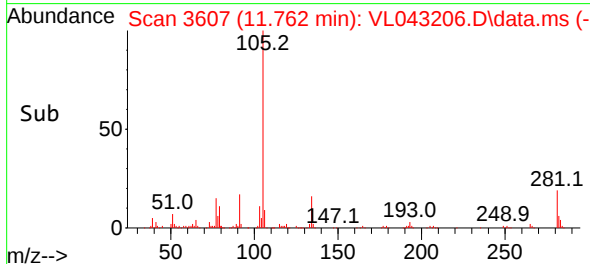
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001



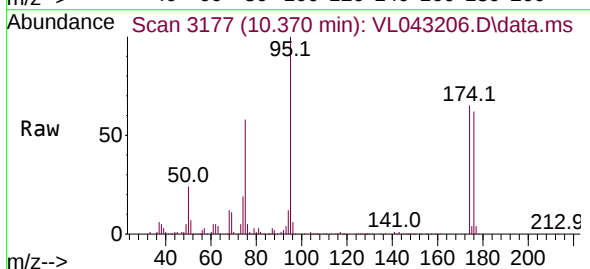
Tgt Ion:105 Resp: 84989
 Ion Ratio Lower Upper
 105 100
 134 19.3 15.0 22.6

Manual Integrations
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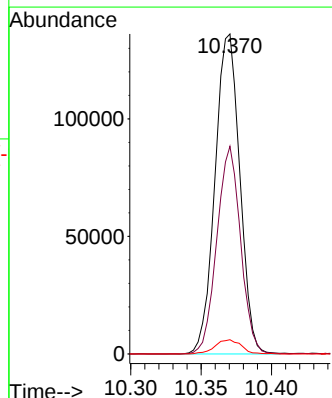
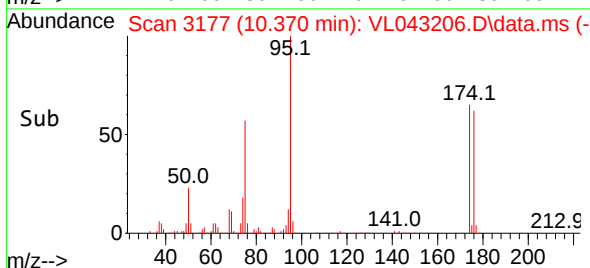
Reviewed By :Semsettin Yesilyurt 11/19/2025
 Supervised By :Mahesh Dadoda 11/19/2025

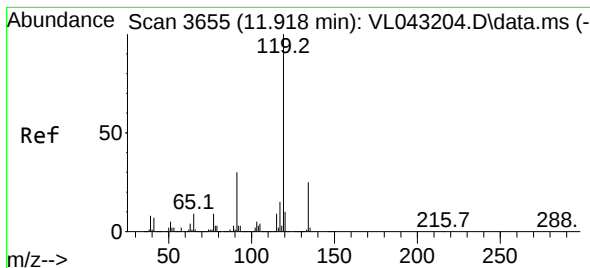


#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.996 ppbv
 RT: 10.370 min Scan# 3177
 Delta R.T. 0.003 min
 Lab File: VL043206.D
 Acq: 18 Nov 2025 11:10



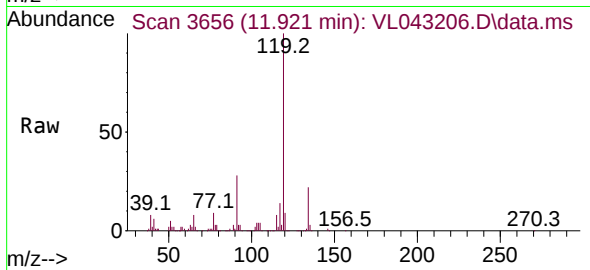
Tgt Ion: 95 Resp: 167061
 Ion Ratio Lower Upper
 95 100
 174 62.1 50.2 75.2
 175 4.6 4.1 6.1





#69
 p-Isopropyltoluene
 Concen: 1.054 ppbv
 RT: 11.921 min Scan# 3656
 Delta R.T. 0.003 min
 Lab File: VL043206.D
 Acq: 18 Nov 2025 11:10

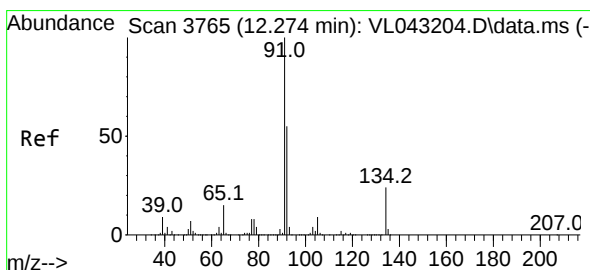
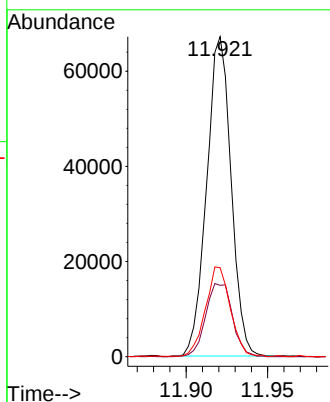
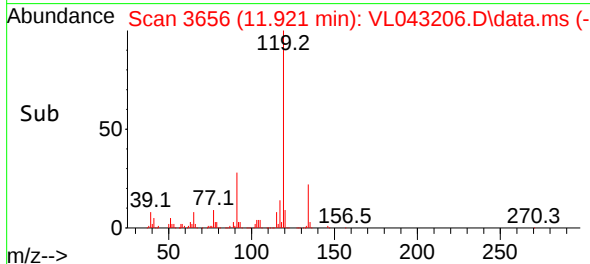
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001



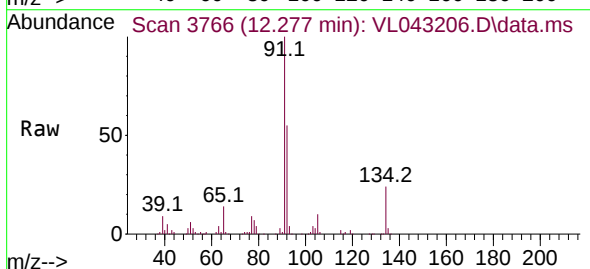
Tgt Ion:119 Resp: 69993
 Ion Ratio Lower Upper
 119 100
 134 25.0 20.2 30.2
 91 28.9 23.8 35.8

Manual Integrations
 APPROVED

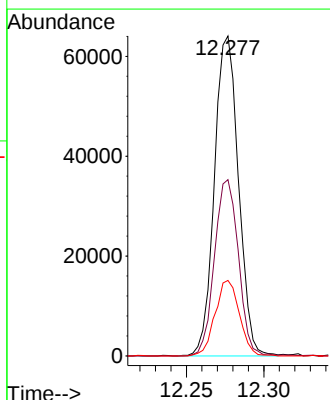
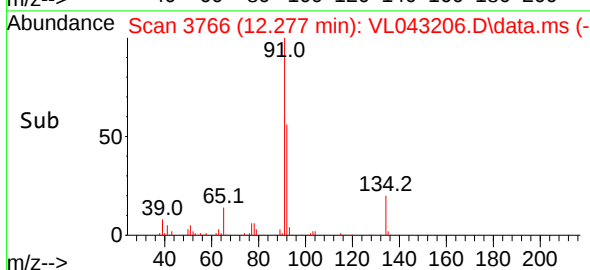
Reviewed By :Semsettin Yesilyurt 11/19/2025
 Supervised By :Mahesh Dadoda 11/19/2025

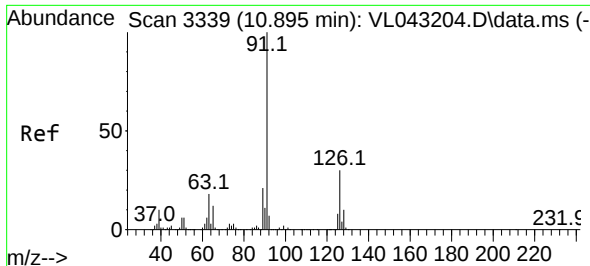


#70
 n-Butylbenzene
 Concen: 1.076 ppbv
 RT: 12.277 min Scan# 3766
 Delta R.T. 0.003 min
 Lab File: VL043206.D
 Acq: 18 Nov 2025 11:10



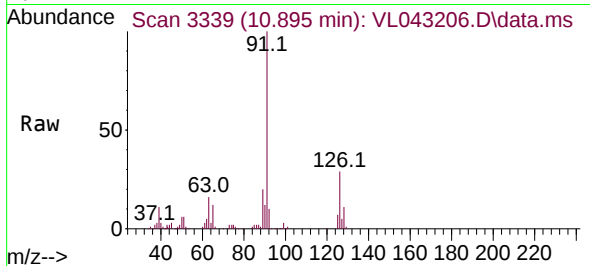
Tgt Ion: 91 Resp: 69323
 Ion Ratio Lower Upper
 91 100
 92 55.0 43.5 65.3
 134 23.8 19.0 28.6





#71
2-Chlorotoluene
Concen: 1.065 ppbv
RT: 10.895 min Scan# 3339
Delta R.T. -0.000 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

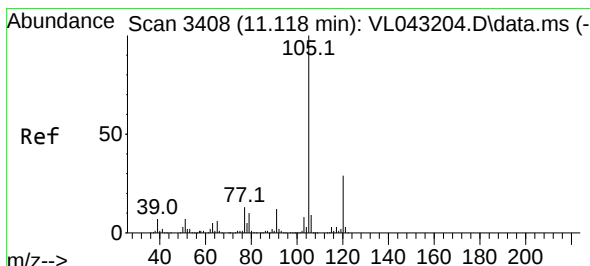
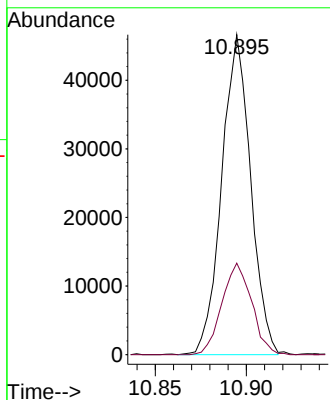
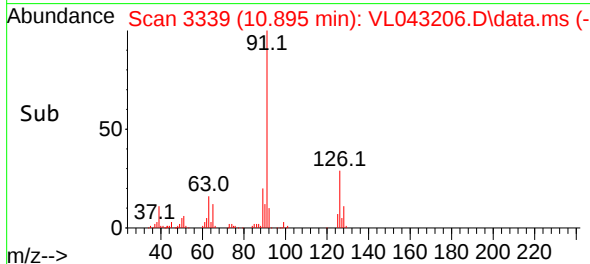
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



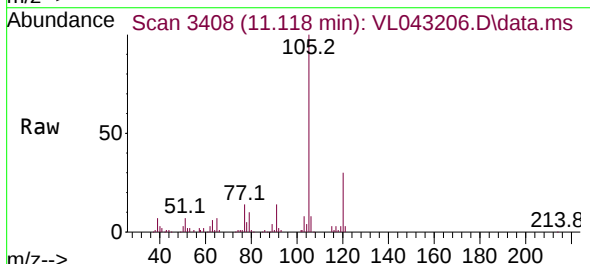
Tgt Ion: 91 Resp: 51452
Ion Ratio Lower Upper
91 100
126 29.3 11.7 46.7

Manual Integrations
APPROVED

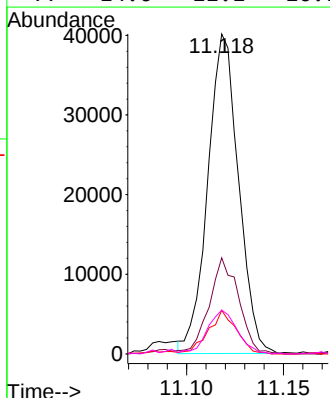
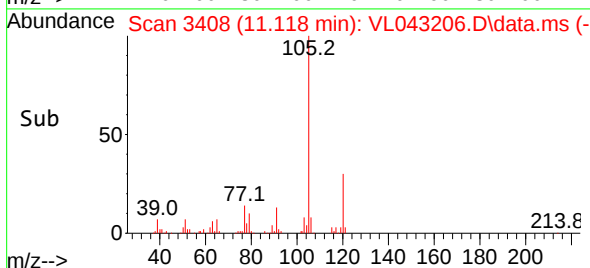
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

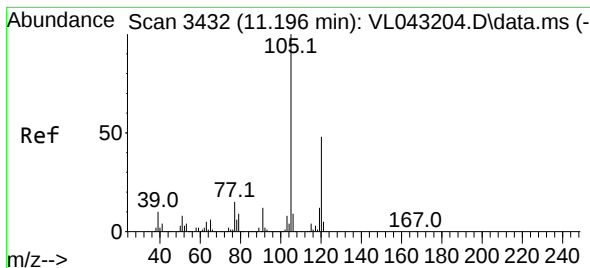


#72
4-Ethyltoluene
Concen: 1.037 ppbv
RT: 11.118 min Scan# 3408
Delta R.T. -0.000 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10



Tgt Ion:105 Resp: 44403
Ion Ratio Lower Upper
105 100
120 29.8 23.8 35.8
91 13.2 10.3 15.5
77 14.6 11.1 16.7





#73

1,3,5-Trimethylbenzene

Concen: 1.068 ppbv

RT: 11.199 min Scan# 3432

Delta R.T. 0.003 min

Lab File: VL043206.D

Acq: 18 Nov 2025 11:10

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC001

Tgt Ion:105 Resp: 38350

Ion Ratio Lower Upper

105 100

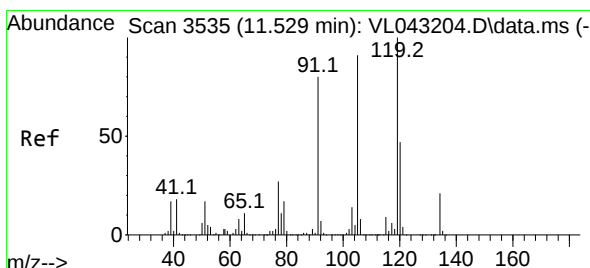
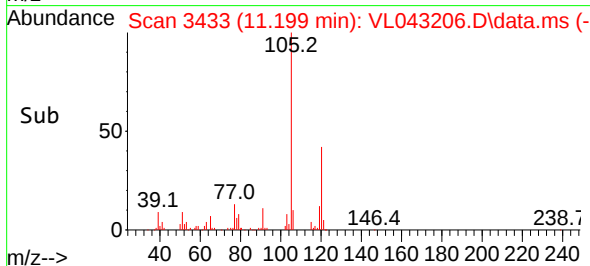
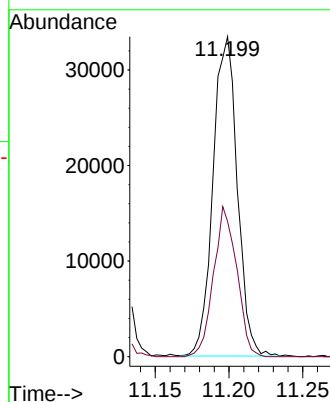
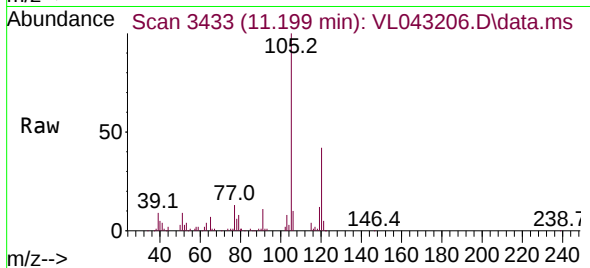
120 42.3 38.6 57.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/19/2025

Supervised By :Mahesh Dadoda 11/19/2025



#74

1,2,4-Trimethylbenzene

Concen: 1.073 ppbv

RT: 11.532 min Scan# 3536

Delta R.T. 0.003 min

Lab File: VL043206.D

Acq: 18 Nov 2025 11:10

Tgt Ion:105 Resp: 42051

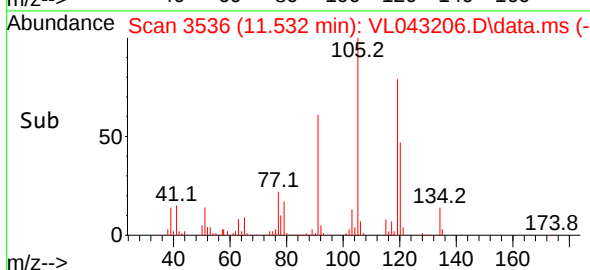
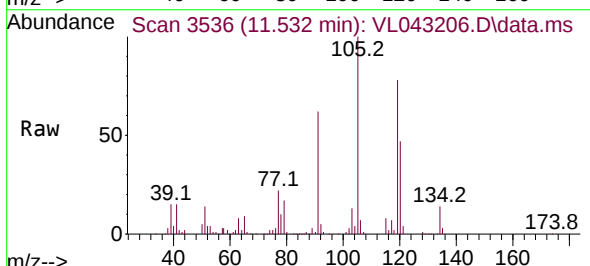
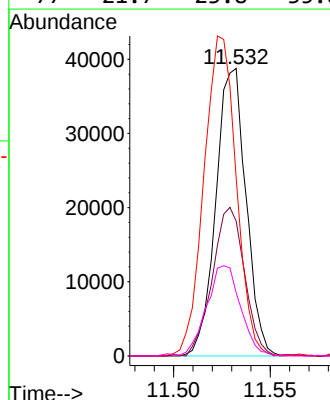
Ion Ratio Lower Upper

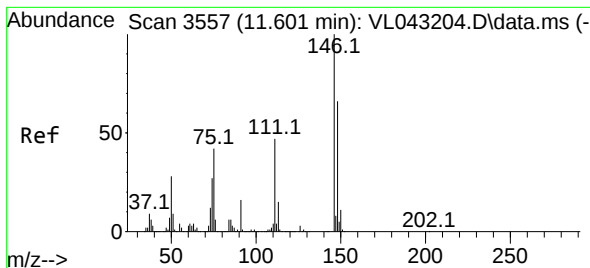
105 100

120 46.8 41.7 62.5

91 61.4 70.0 105.0#

77 21.7 23.8 35.8#





#75

1,3-Dichlorobenzene

Concen: 1.050 ppbv

RT: 11.600 min Scan# 3557

Delta R.T. -0.000 min

Lab File: VL043206.D

Acq: 18 Nov 2025 11:10

Instrument :

MSVOA_L

ClientSampleId :

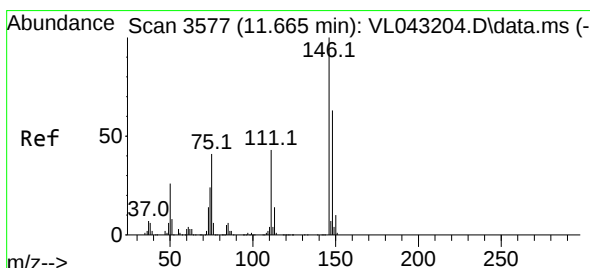
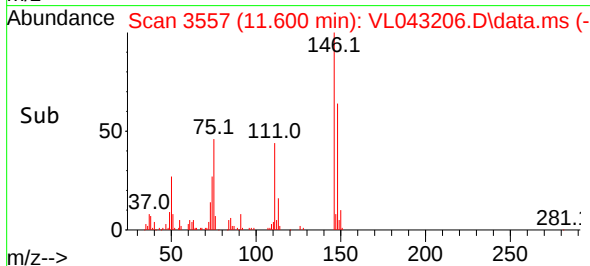
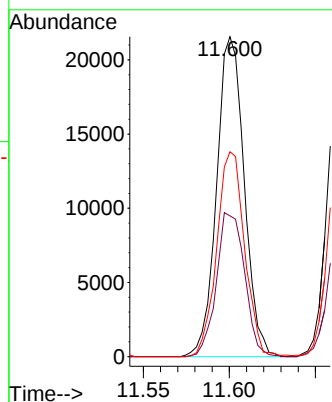
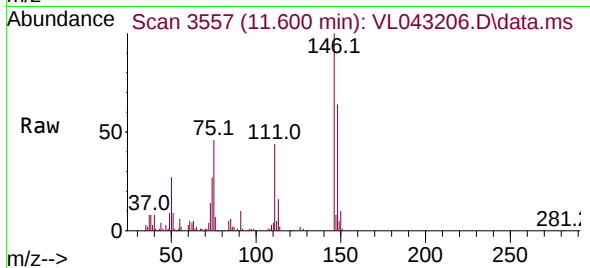
VSTDIC001

Tgt Ion:	146	Resp:	2401
Ion Ratio	Lower	Upper	
146	100		
111	45.9	23.4	70.3
148	64.7	31.6	95.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025



#76

1,4-Dichlorobenzene

Concen: 1.029 ppbv

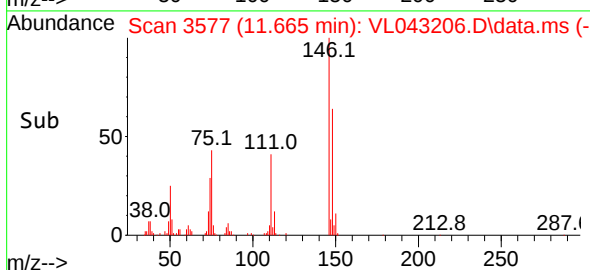
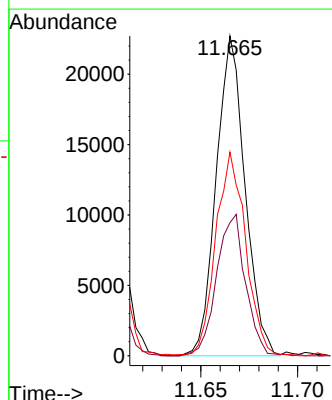
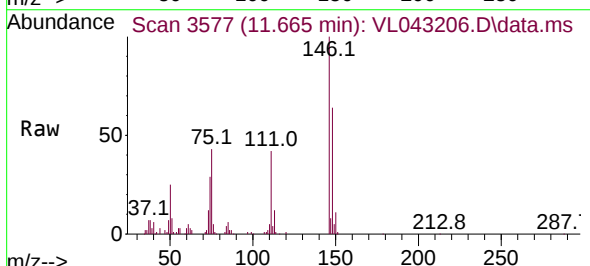
RT: 11.665 min Scan# 3577

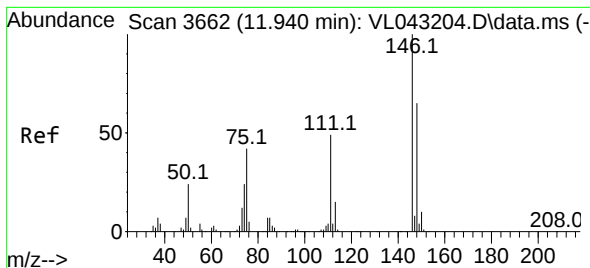
Delta R.T. -0.000 min

Lab File: VL043206.D

Acq: 18 Nov 2025 11:10

Tgt Ion:	146	Resp:	23543
Ion Ratio	Lower	Upper	
146	100		
111	44.5	22.8	68.3
148	66.4	31.8	95.4





#77

1,2-Dichlorobenzene

Concen: 1.103 ppbv

RT: 11.940 min Scan# 3662

Delta R.T. -0.000 min

Lab File: VL043206.D

Acq: 18 Nov 2025 11:10

Instrument :

MSVOA_L

ClientSampleId :

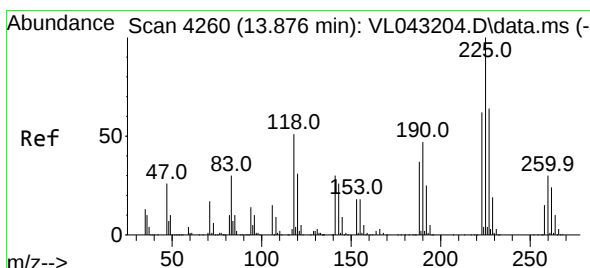
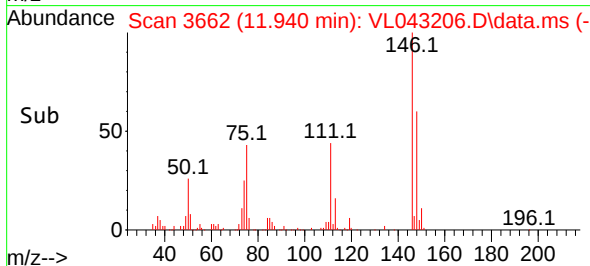
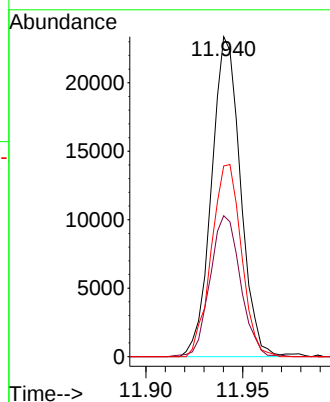
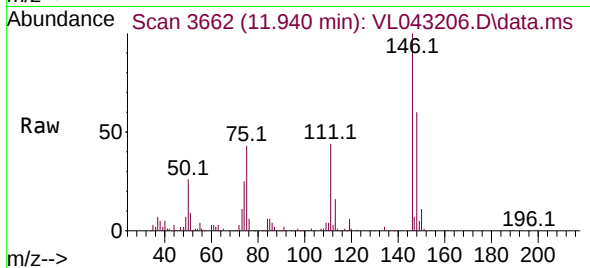
VSTDIC001

Tgt Ion:	146	Resp:	24248
Ion Ratio	Lower	Upper	
146	100		
111	46.3	24.3	73.0
148	62.3	31.6	94.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025



#78

Hexachloro-1,3-Butadiene

Concen: 1.116 ppbv

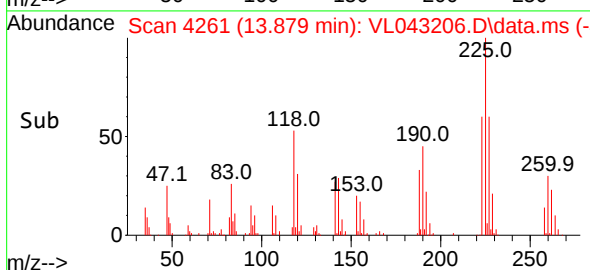
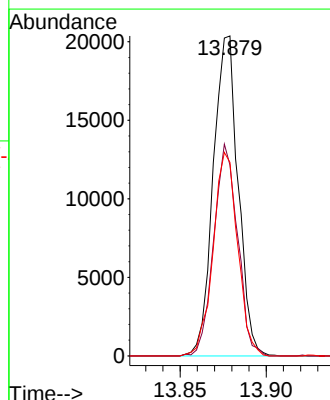
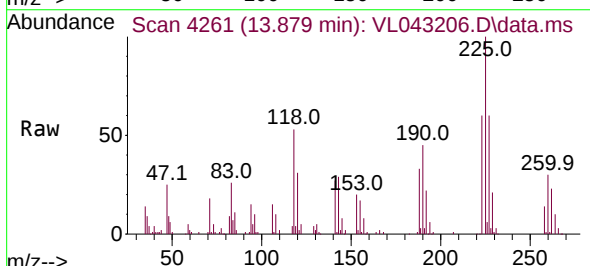
RT: 13.879 min Scan# 4261

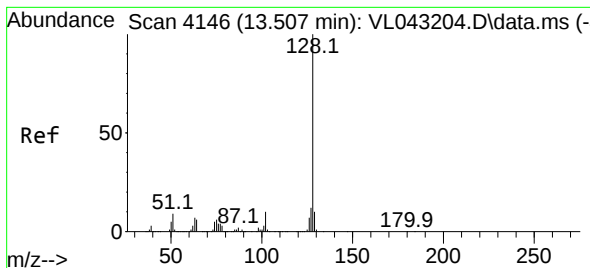
Delta R.T. 0.003 min

Lab File: VL043206.D

Acq: 18 Nov 2025 11:10

Tgt Ion:	225	Resp:	20489
Ion Ratio	Lower	Upper	
225	100		
223	63.3	50.2	75.4
227	62.5	51.1	76.7





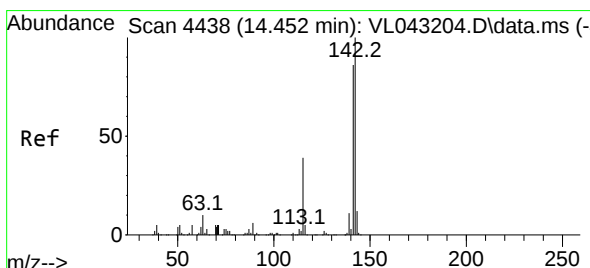
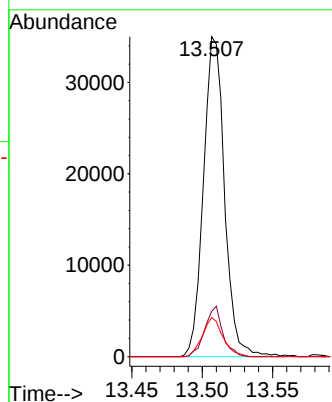
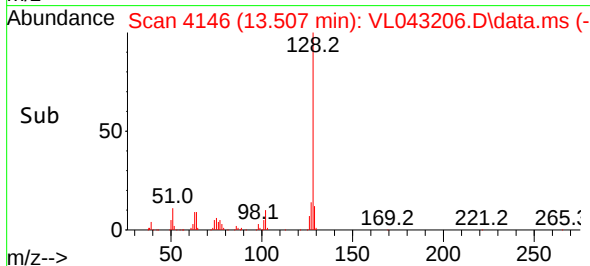
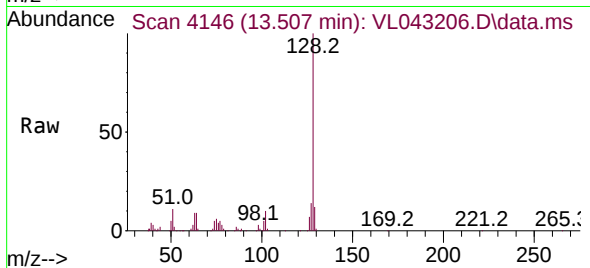
#79
Naphthalene
Concen: 1.047 ppbv
RT: 13.507 min Scan# 4146
Delta R.T. -0.000 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:128 Resp: 36462
Ion Ratio Lower Upper
128 100
127 14.2 9.9 14.9
129 12.2 8.4 12.6

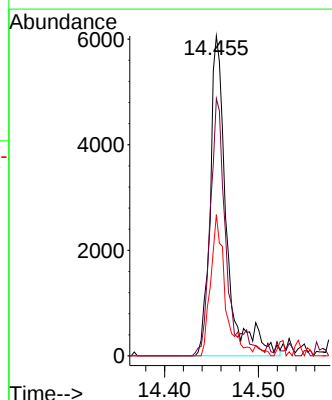
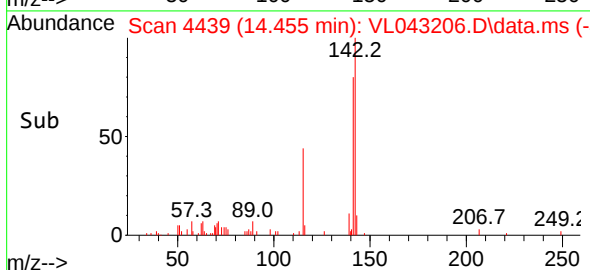
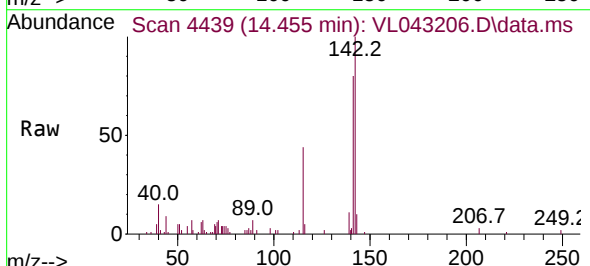
Manual Integrations
APPROVED

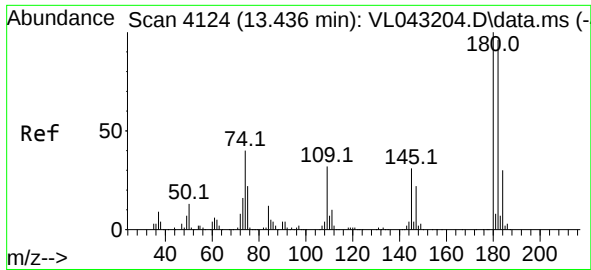
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025



#80
Naphthalene,2-methyl-
Concen: 0.807 ppbv
RT: 14.455 min Scan# 4439
Delta R.T. 0.003 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

Tgt Ion:142 Resp: 7375
Ion Ratio Lower Upper
142 100
141 77.8 67.1 100.7
115 40.8 31.9 47.9





#81

1,2,4-Trichlorobenzene

Concen: 1.014 ppbv

RT: 13.436 min Scan# 41

Delta R.T. -0.000 min

Lab File: VL043206.D

Acq: 18 Nov 2025 11:10

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC001

Tgt Ion:180 Resp: 15785

Ion Ratio Lower Upper

180 100

182 98.2 77.4 116.2

184 33.4 24.2 36.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/19/2025

Supervised By :Mahesh Dadoda 11/19/2025

