

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111825\
 Data File : VL043203.D
 Acq On : 18 Nov 2025 09:29
 Operator : SY/MD
 Sample : VSTDICC0.5
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC0.5

Manual Integrations
 APPROVED

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

Quant Time: Nov 19 00:48:47 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	110490	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.956	114	296493	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.875	117	247761	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.371 95 180529 9.941 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 99.400%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.496	85	7723	0.496	ppbv	99
3) Chlorodifluoromethane	1.473	51	8538	0.557	ppbv #	82
4) Chloromethane	1.531	50	2881	0.494	ppbv	94
5) Vinyl Chloride	1.580	62	2947	0.462	ppbv #	87
6) Bromomethane	1.667	94	1656	0.536	ppbv	97
7) Chloroethane	1.703	64	1357	0.547	ppbv	100
8) Dichlorotetrafluoroethane	1.554	85	6386	0.493	ppbv	100
9) Propene	1.483	41	3739	0.526	ppbv #	1
10) Heptane	4.972	43	11637m	0.597	ppbv	
11) Trichlorofluoromethane	1.878	101	6841	0.453	ppbv	92
12) 1,1,2-Trichlorotrifluo...	2.140	101	5863	0.497	ppbv	99
13) Ethanol	1.719	45	1190	0.520	ppbv	64
14) Bromoethene	1.781	108	2476	0.548	ppbv #	75
15) Acetone	1.836	43	9506	0.619	ppbv #	88
16) 1,3-Butadiene	1.606	39	4115	0.601	ppbv	95
17) tert-Butyl alcohol	2.043	59	9854	0.489	ppbv #	68
18) 1,1-Dichloroethene	2.033	96	3068	0.559	ppbv	96
19) Isopropyl Alcohol	1.887	45	4687	0.540	ppbv #	51
20) Methylene Chloride	2.059	84	5006	0.349	ppbv	92
21) Allyl Chloride	2.095	41	6291	0.609	ppbv	95
22) trans-1,2-Dichloroethene	2.337	96	3343	0.533	ppbv	80
23) Vinyl Acetate	2.464	43	10414	0.562	ppbv #	92
24) 1,1-Dichloroethane	2.409	63	5803	0.479	ppbv #	96
25) Ethyl Acetate	2.839	43	18625m	0.562	ppbv	
26) Hexane	2.823	57	7589	0.523	ppbv #	91
27) Carbon Disulfide	2.150	76	7198	0.486	ppbv #	1
28) Methyl tert-Butyl Ether	2.441	73	3545	0.498	ppbv #	15
29) Chloroform	2.849	83	10800	0.523	ppbv	95
30) Cyclohexane	3.849	84	6271	0.515	ppbv	85
31) cis-1,2-Dichloroethene	2.719	61	7728	0.536	ppbv	87
32) 1,1,1-Trichloroethane	3.363	97	10886	0.490	ppbv	98
34) 2-Butanone	2.557	43	11026	0.527	ppbv	95
35) Carbon Tetrachloride	3.761	117	11551	0.513	ppbv	94
36) Benzene	3.655	78	14759	0.520	ppbv #	91
37) 1,2-Dichloroethane	3.218	62	8477	0.510	ppbv #	93
38) Trichloroethene	4.542	130	5775	0.519	ppbv #	87
39) 1,2-Dichloropropane	4.312	63	5510	0.530	ppbv #	80
40) 1,4-Dioxane	4.597	88	2675m	0.573	ppbv	
41) Tetrahydrofuran	3.059	42	6193	0.536	ppbv	95
42) Bromodichloromethane	4.490	83	11597	0.506	ppbv #	84
43) Methyl Methacrylate	4.881	69	8534m	0.566	ppbv	
44) 2,2,4-Trimethylpentane	4.642	57	25890	0.531	ppbv	95
45) t-1,3-Dichloropropene	6.412	75	7343	0.523	ppbv	94

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 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
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Quant Time: Nov 19 00:48:47 2025

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

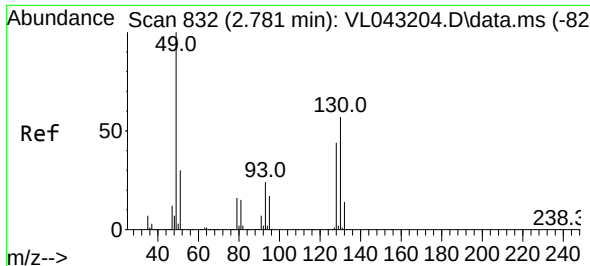
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

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

Response via : Initial Calibration

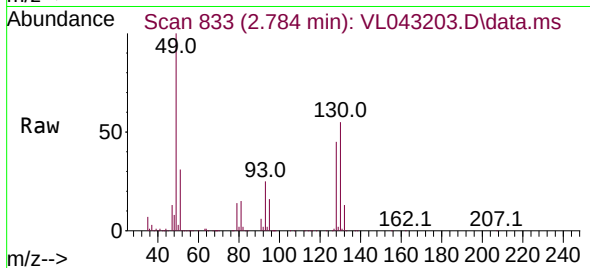
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.593	75	8886m	0.539	ppbv	
47) 1,1,2-Trichloroethane	6.581	97	6280m	0.567	ppbv	
48) Dibromochloromethane	7.380	129	9327	0.492	ppbv	97
49) Bromoform	9.481	173	8636	0.514	ppbv	100
50) 4-Methyl-2-Pentanone	5.755	43	15190	0.515	ppbv	92
51) 2-Hexanone	7.442	43	11594	0.506	ppbv #	93
52) Tetrachloroethene	8.218	164	5097	0.483	ppbv #	82
53) Toluene	6.924	91	17755m	0.525	ppbv	
54) 1,2-Dibromoethane	7.649	107	8708	0.537	ppbv	90
56) 1,1,1,2-Tetrachloroethane	8.917	131	9793m	0.538	ppbv	
57) Chlorobenzene	8.917	112	12818	0.504	ppbv	98
58) Ethyl Benzene	9.351	91	23866	0.500	ppbv	96
59) m/p-Xylene	9.526	91	40076m	1.044	ppbv	
60) o-Xylene	9.956	91	19621	0.514	ppbv	100
61) Styrene	9.869	104	8287	0.496	ppbv	96
62) Isopropylbenzene	10.536	105	34773	0.509	ppbv	98
63) 1,1,2,2-Tetrachloroethane	9.960	83	12591	0.519	ppbv	100
64) n-propylbenzene	10.986	120	8945	0.509	ppbv	100
65) tert-Butylbenzene	11.526	119	31998	0.524	ppbv	99
66) Benzyl Chloride	11.610	91	3403	0.550	ppbv	98
67) sec-Butylbenzene	11.766	105	44448	0.522	ppbv	97
69) p-Isopropyltoluene	11.921	119	37087	0.514	ppbv	100
70) n-Butylbenzene	12.277	91	33153	0.474	ppbv	94
71) 2-Chlorotoluene	10.895	91	27224	0.518	ppbv	99
72) 4-Ethyltoluene	11.122	105	23963	0.515	ppbv	97
73) 1,3,5-Trimethylbenzene	11.199	105	20104	0.515	ppbv	99
74) 1,2,4-Trimethylbenzene	11.533	105	22254	0.522	ppbv	91
75) 1,3-Dichlorobenzene	11.604	146	12926	0.520	ppbv	98
76) 1,4-Dichlorobenzene	11.672	146	13076	0.526	ppbv	98
77) 1,2-Dichlorobenzene	11.947	146	12069	0.505	ppbv	97
78) Hexachloro-1,3-Butadiene	13.879	225	10578	0.530	ppbv	98
79) Naphthalene	13.513	128	18377	0.486	ppbv	97
80) Naphthalene,2-methyl-	14.462	142	4917	0.495	ppbv	91
81) 1,2,4-Trichlorobenzene	13.439	180	6798	0.402	ppbv	97

(#) = 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: VL043203.D
Acq: 18 Nov 2025 09:29

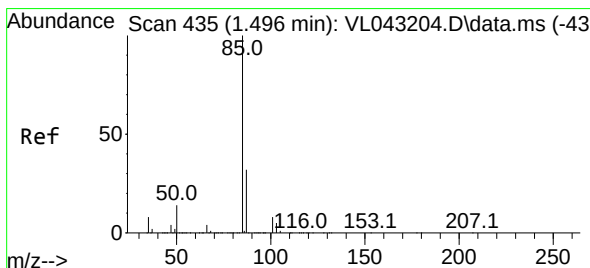
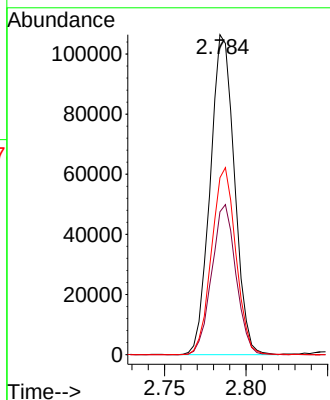
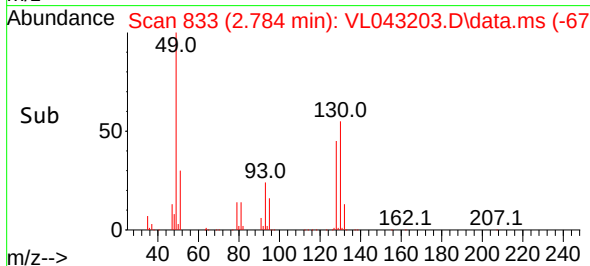
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



Tgt Ion: 49 Resp: 110490
Ion Ratio Lower Upper
49 100
128 46.6 23.0 69.0
130 58.4 29.9 89.7

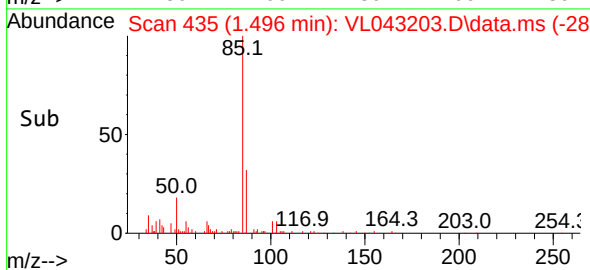
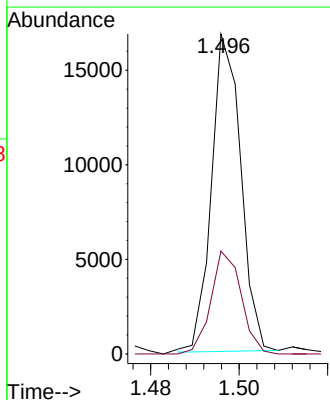
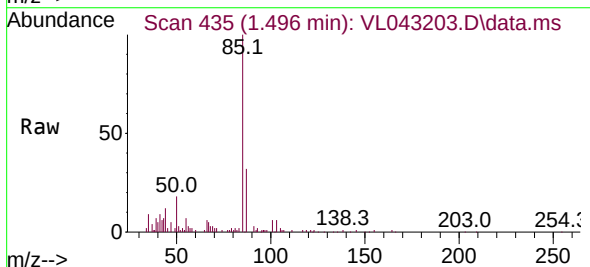
Manual Integrations
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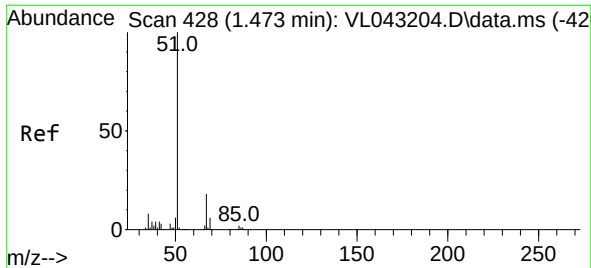
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025



#2
Dichlorodifluoromethane
Concen: 0.496 ppbv
RT: 1.496 min Scan# 435
Delta R.T. 0.000 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

Tgt Ion: 85 Resp: 7723
Ion Ratio Lower Upper
85 100
87 32.5 25.4 38.2





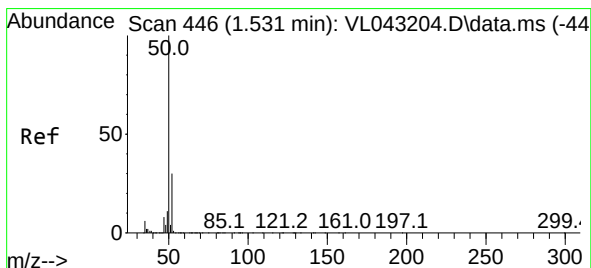
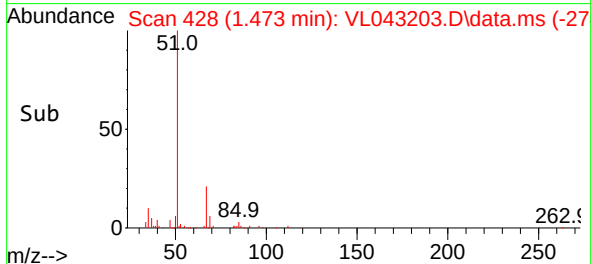
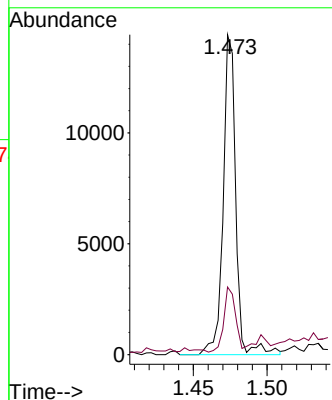
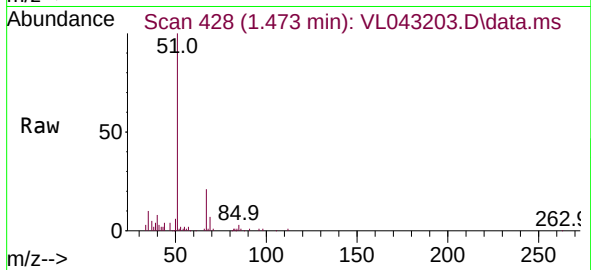
#3
Chlorodifluoromethane
Concen: 0.557 ppbv
RT: 1.473 min Scan# 428
Delta R.T. 0.000 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 51 Resp: 8538
Ion Ratio Lower Upper
51 100
67 26.4 14.9 22.3

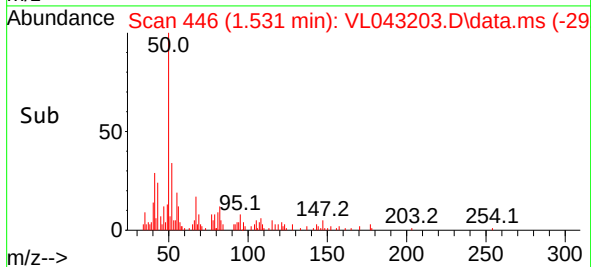
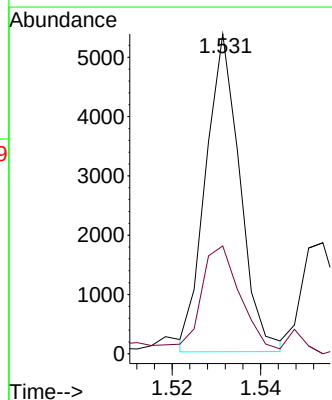
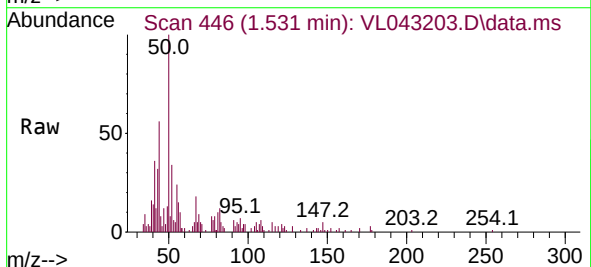
Manual Integrations
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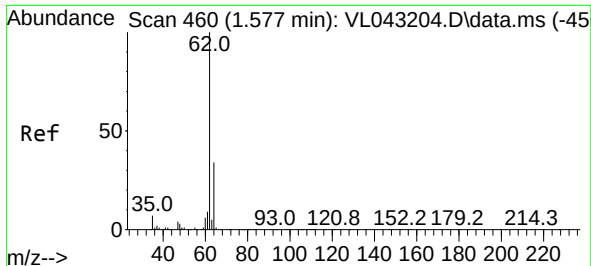
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025



#4
Chloromethane
Concen: 0.494 ppbv
RT: 1.531 min Scan# 446
Delta R.T. 0.000 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

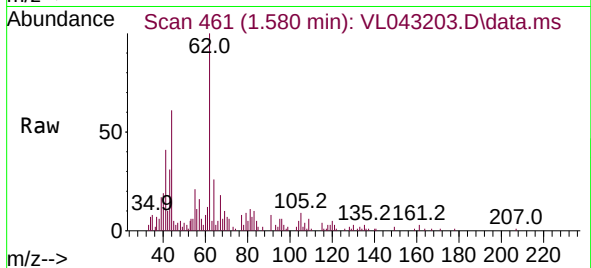
Tgt Ion: 50 Resp: 2881
Ion Ratio Lower Upper
50 100
52 33.5 24.1 36.1





#5
 Vinyl Chloride
 Concen: 0.462 ppbv
 RT: 1.580 min Scan# 461
 Delta R.T. 0.003 min
 Lab File: VL043203.D
 Acq: 18 Nov 2025 09:29

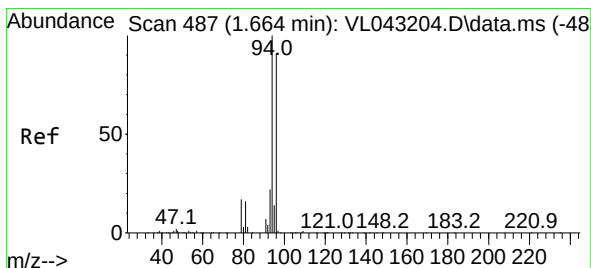
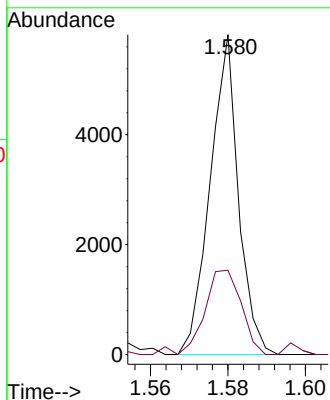
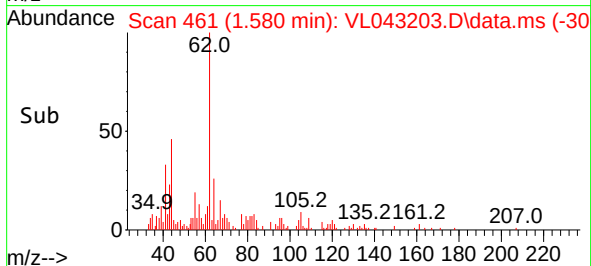
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5



Tgt Ion: 62 Resp: 2947
 Ion Ratio Lower Upper
 62 100
 64 26.4 27.3 40.9

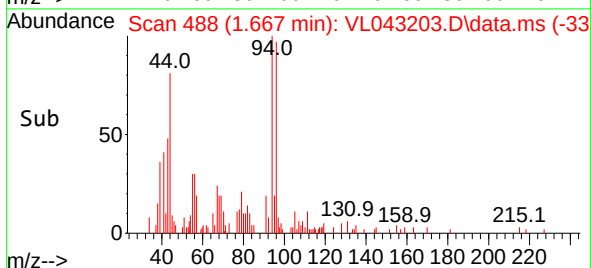
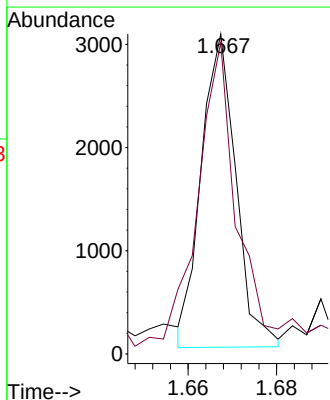
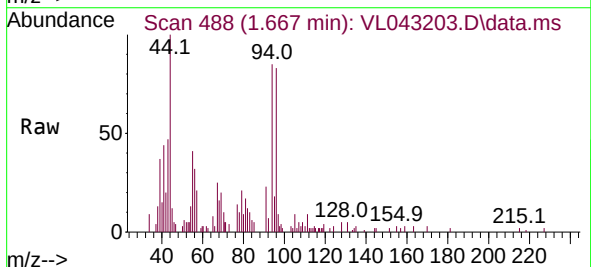
Manual Integrations
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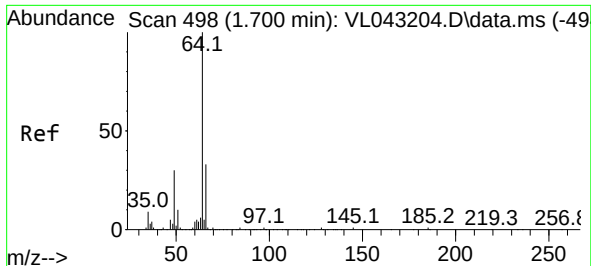
Reviewed By :Semsettin Yesilyurt 11/19/2025
 Supervised By :Mahesh Dadoda 11/19/2025



#6
 Bromomethane
 Concen: 0.536 ppbv
 RT: 1.667 min Scan# 488
 Delta R.T. 0.003 min
 Lab File: VL043203.D
 Acq: 18 Nov 2025 09:29

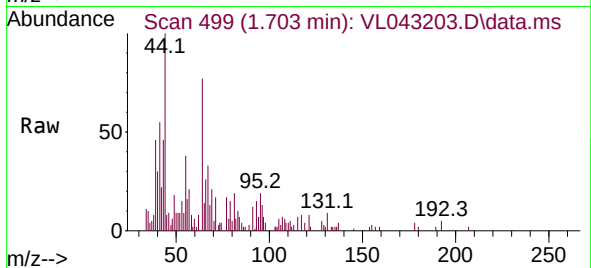
Tgt Ion: 94 Resp: 1656
 Ion Ratio Lower Upper
 94 100
 96 93.9 72.9 109.3





#7
Chloroethane
Concen: 0.547 ppbv
RT: 1.703 min Scan# 498
Delta R.T. 0.003 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

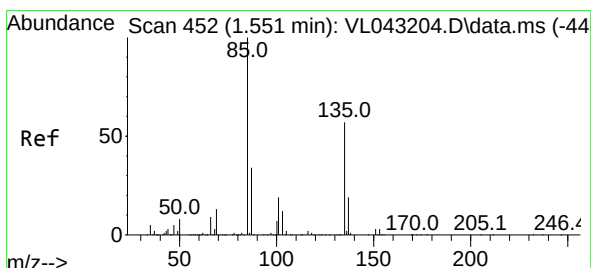
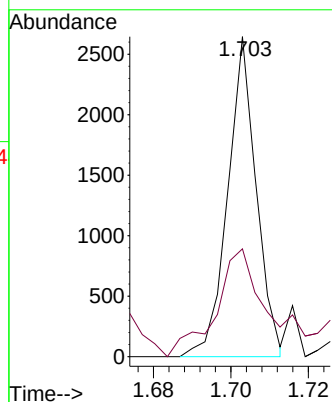
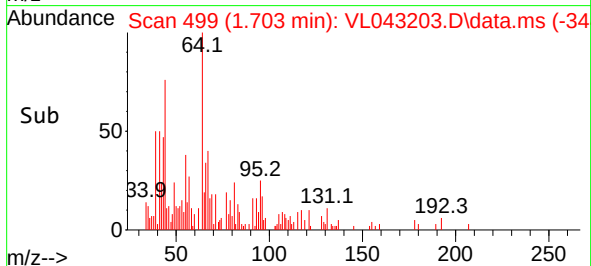
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



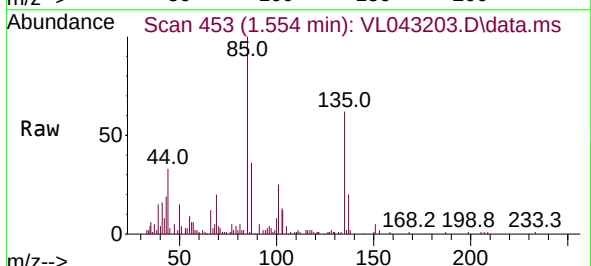
Tgt Ion: 64 Resp: 1352
Ion Ratio Lower Upper
64 100
66 33.7 26.8 40.2

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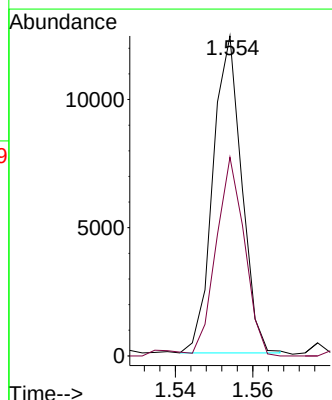
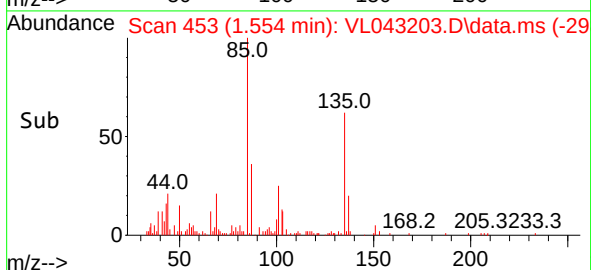
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

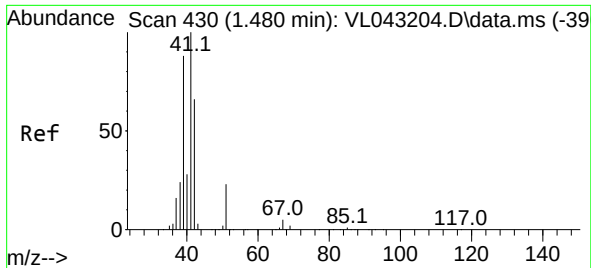


#8
Dichlorotetrafluoroethane
Concen: 0.493 ppbv
RT: 1.554 min Scan# 453
Delta R.T. 0.003 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29



Tgt Ion: 85 Resp: 6386
Ion Ratio Lower Upper
85 100
135 65.8 52.6 79.0





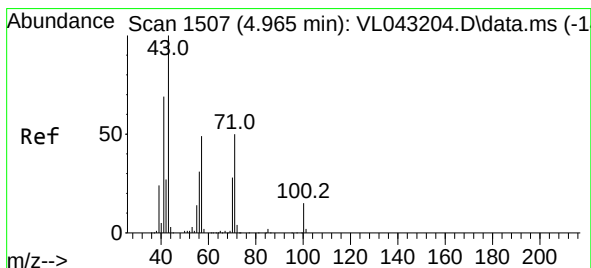
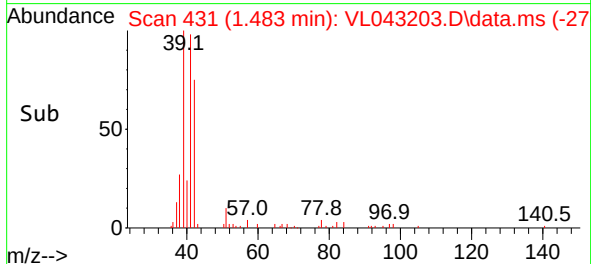
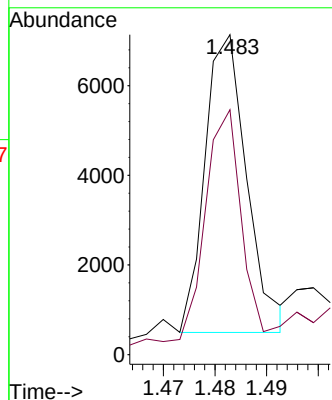
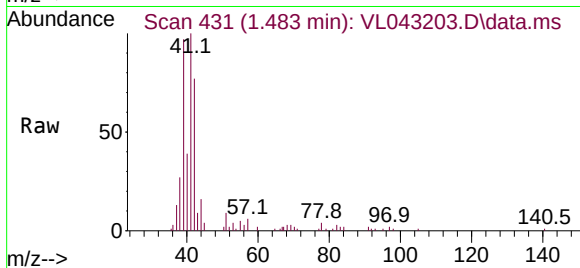
#9
 Propene
 Concen: 0.526 ppbv
 RT: 1.483 min Scan# 431
 Delta R.T. 0.003 min
 Lab File: VL043203.D
 Acq: 18 Nov 2025 09:29

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tgt Ion: 41 Resp: 3739
 Ion Ratio Lower Upper
 41 100
 42 121.9 3.7 5.5

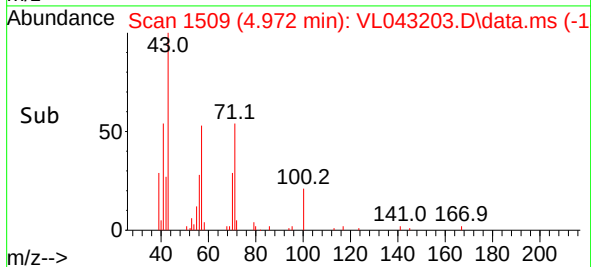
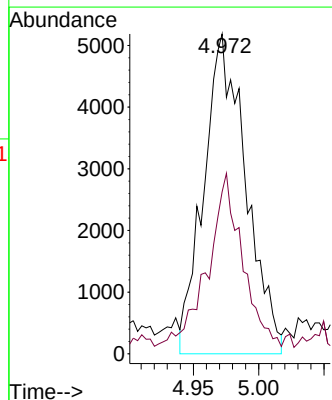
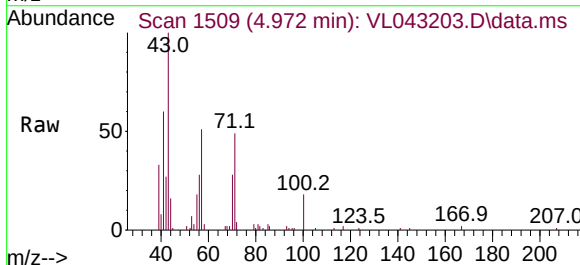
Manual Integrations
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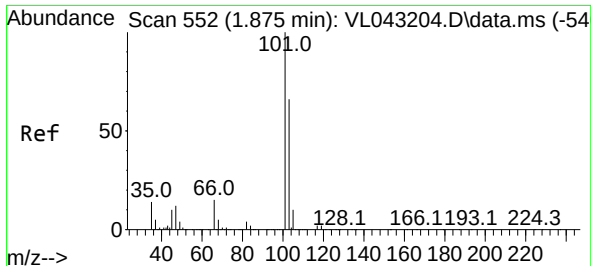
Reviewed By :Semsettin Yesilyurt 11/19/2025
 Supervised By :Mahesh Dadoda 11/19/2025



#10
 Heptane
 Concen: 0.597 ppbv m
 RT: 4.972 min Scan# 1509
 Delta R.T. 0.007 min
 Lab File: VL043203.D
 Acq: 18 Nov 2025 09:29

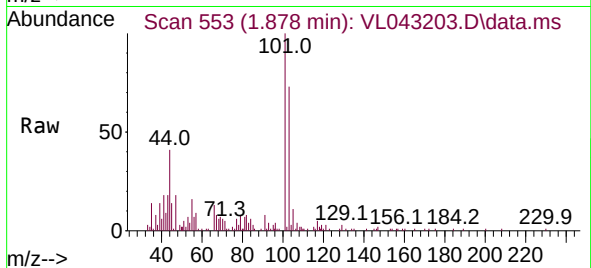
Tgt Ion: 43 Resp: 11637
 Ion Ratio Lower Upper
 43 100
 57 0.0 39.7 59.5





#11
 Trichlorofluoromethane
 Concen: 0.453 ppbv
 RT: 1.878 min Scan# 552
 Delta R.T. 0.003 min
 Lab File: VL043203.D
 Acq: 18 Nov 2025 09:29

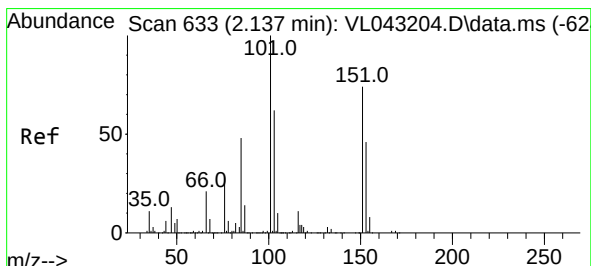
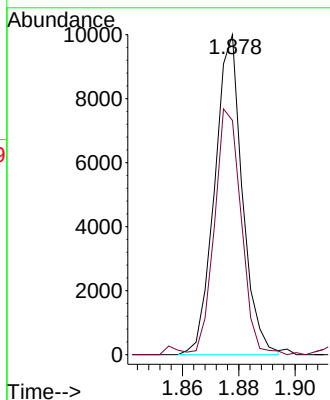
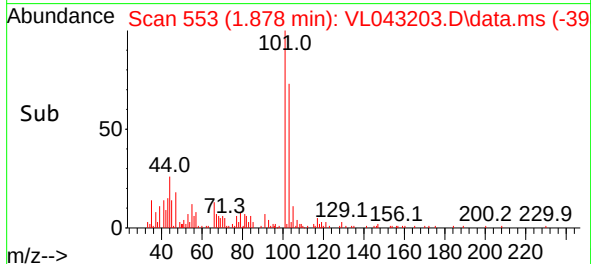
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 MSVOA_L
 ClientSampleId :
 VSTDIC0.5



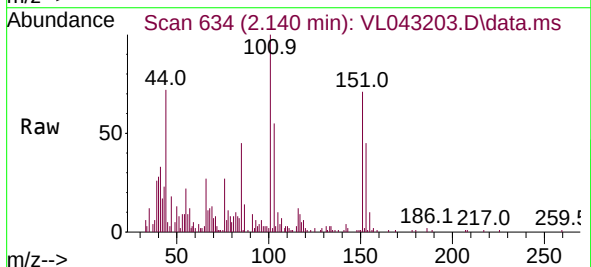
Tgt Ion:101 Resp: 684
 Ion Ratio Lower Upper
 101 100
 103 71.8 52.6 79.0

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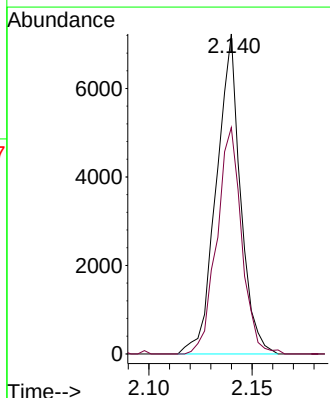
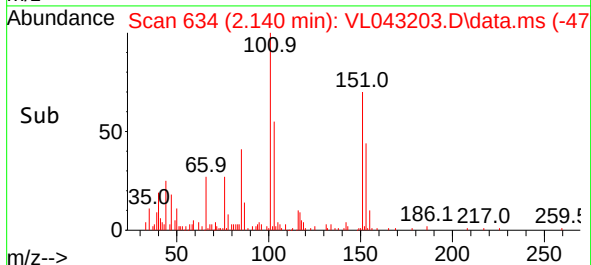
Reviewed By :Semsettin Yesilyurt 11/19/2025
 Supervised By :Mahesh Dadoda 11/19/2025

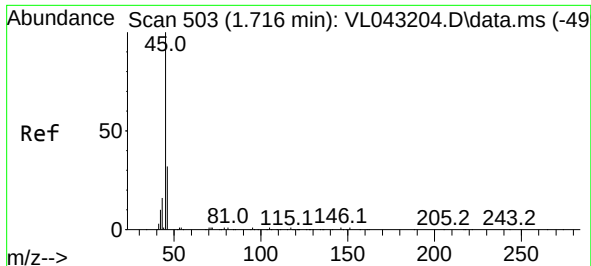


#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.497 ppbv
 RT: 2.140 min Scan# 634
 Delta R.T. 0.003 min
 Lab File: VL043203.D
 Acq: 18 Nov 2025 09:29



Tgt Ion:101 Resp: 5863
 Ion Ratio Lower Upper
 101 100
 151 72.8 59.2 88.8





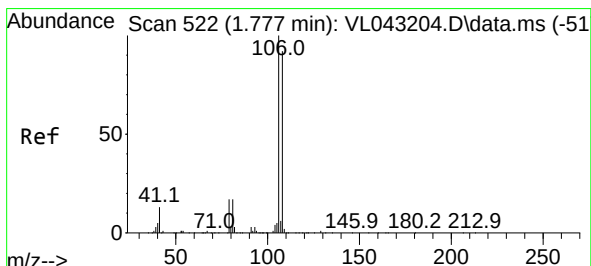
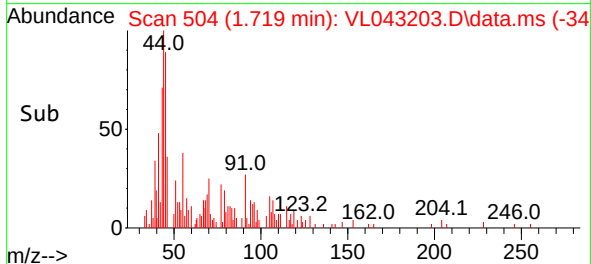
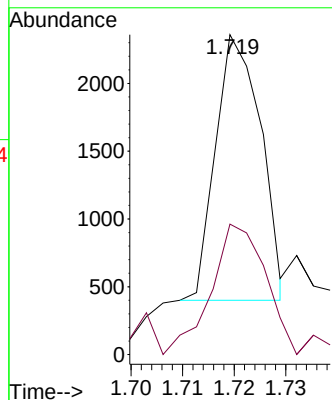
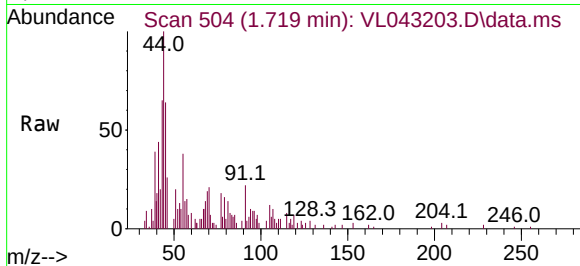
#13
Ethanol
Concen: 0.520 ppbv
RT: 1.719 min Scan# 503
Delta R.T. 0.003 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 45 Resp: 1190
Ion Ratio Lower Upper
45 100
46 58.7 15.0 59.8

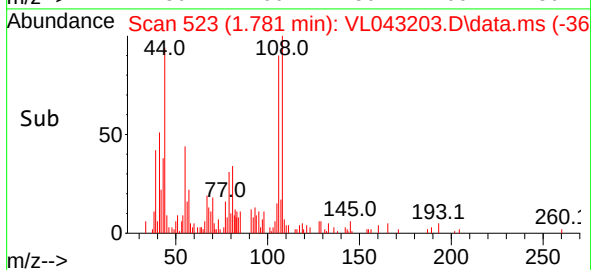
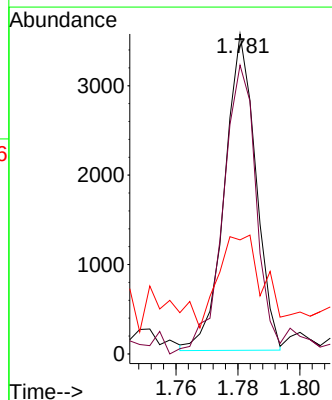
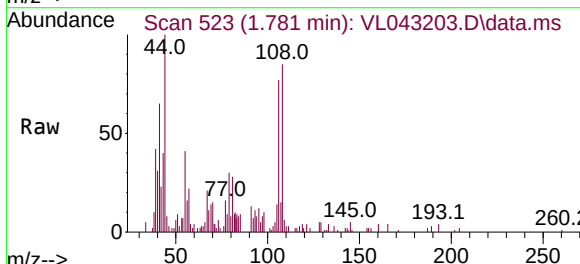
Manual Integrations
APPROVED

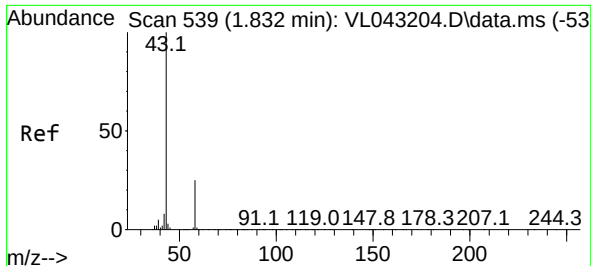
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025



#14
Bromoethene
Concen: 0.548 ppbv
RT: 1.781 min Scan# 523
Delta R.T. 0.003 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

Tgt Ion:108 Resp: 2476
Ion Ratio Lower Upper
108 100
106 126.4 88.9 133.3
79 58.5 16.5 24.7#





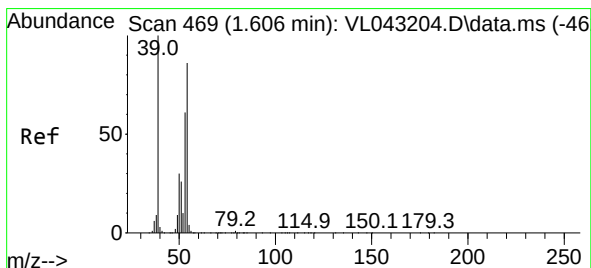
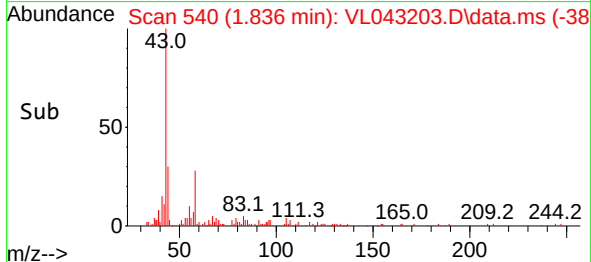
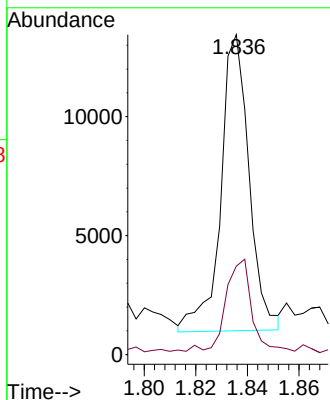
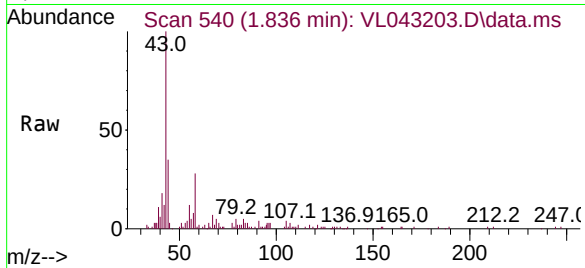
#15
Acetone
Concen: 0.619 ppbv
RT: 1.836 min Scan# 540
Delta R.T. 0.003 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 43 Resp: 9500
Ion Ratio Lower Upper
43 100
58 32.0 20.7 31.1

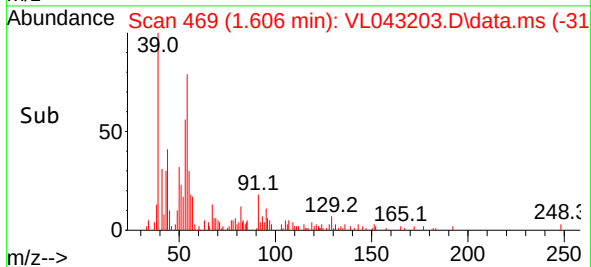
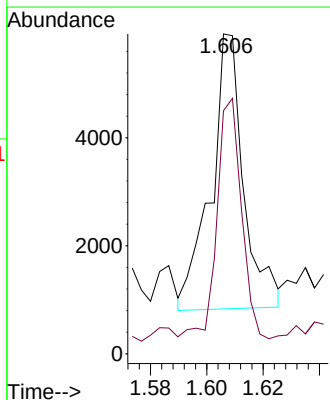
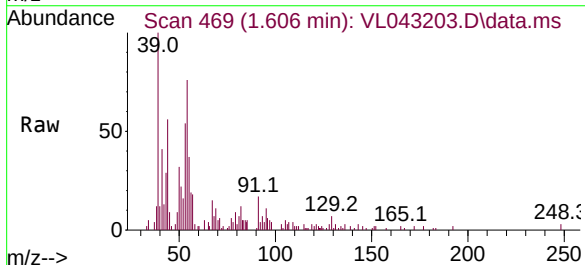
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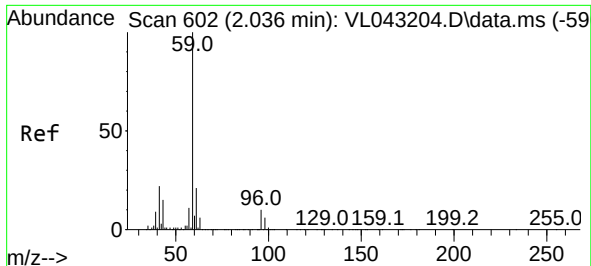
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025



#16
1,3-Butadiene
Concen: 0.601 ppbv
RT: 1.606 min Scan# 469
Delta R.T. 0.000 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

Tgt Ion: 39 Resp: 4115
Ion Ratio Lower Upper
39 100
54 70.0 59.4 89.2





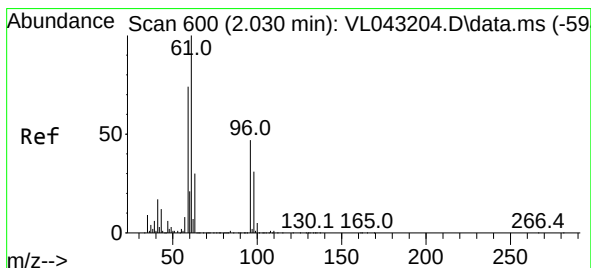
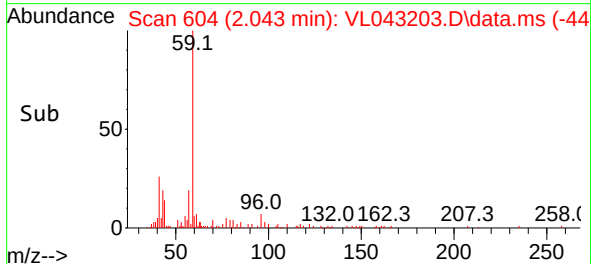
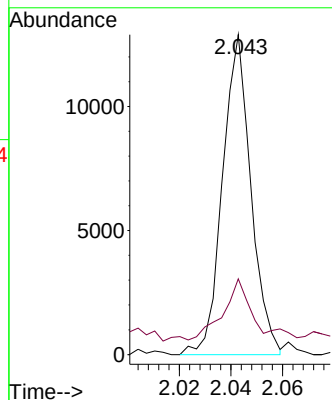
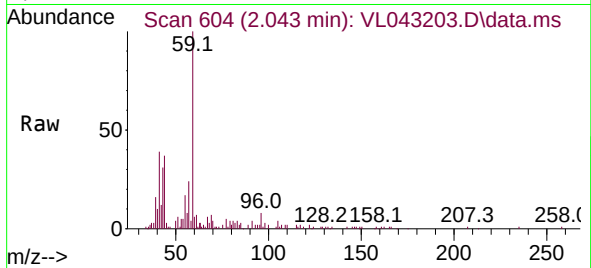
#17
tert-Butyl alcohol
Concen: 0.489 ppbv
RT: 2.043 min Scan# 601
Delta R.T. 0.006 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 59 Resp: 9854
Ion Ratio Lower Upper
59 100
57 23.3 9.0 13.4

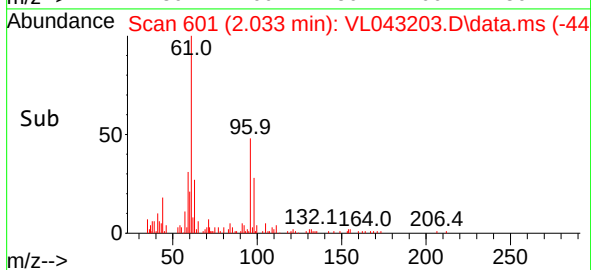
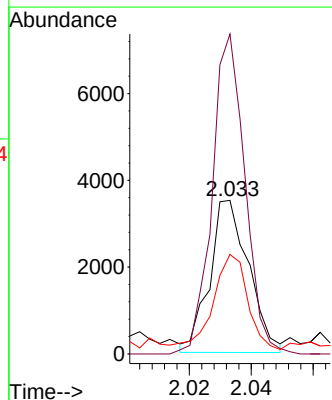
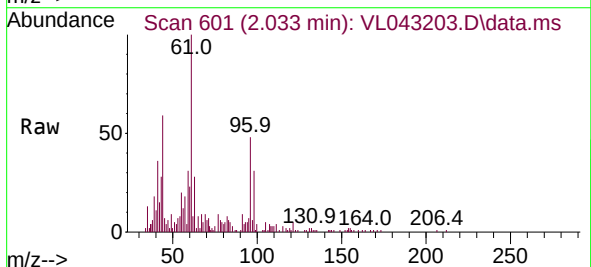
Manual Integrations
APPROVED

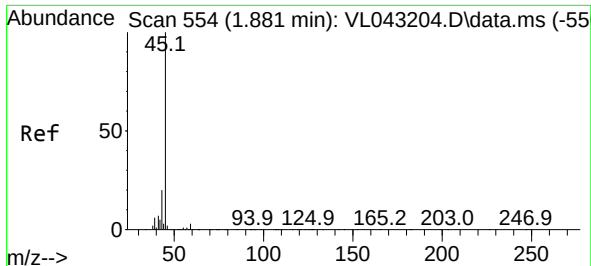
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025



#18
1,1-Dichloroethene
Concen: 0.559 ppbv
RT: 2.033 min Scan# 601
Delta R.T. 0.003 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

Tgt Ion: 96 Resp: 3068
Ion Ratio Lower Upper
96 100
61 220.0 170.6 255.8
98 66.3 52.2 78.4





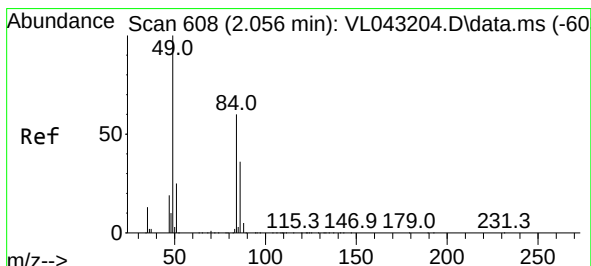
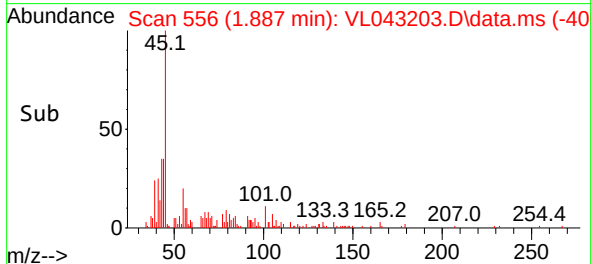
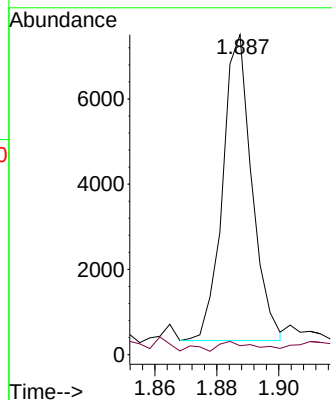
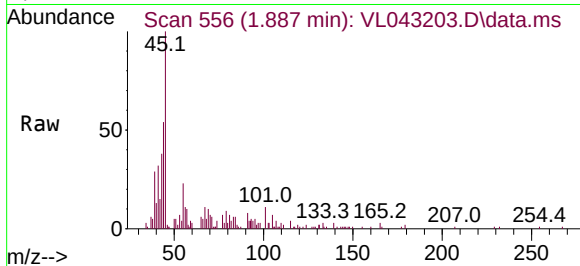
#19
Isopropyl Alcohol
Concen: 0.540 ppbv
RT: 1.887 min Scan# 51
Delta R.T. 0.007 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 45 Resp: 468
Ion Ratio Lower Upper
45 100
58 9.0 31.3 46.9

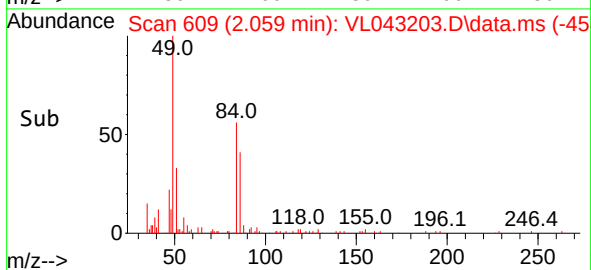
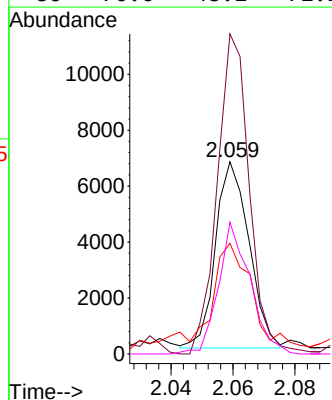
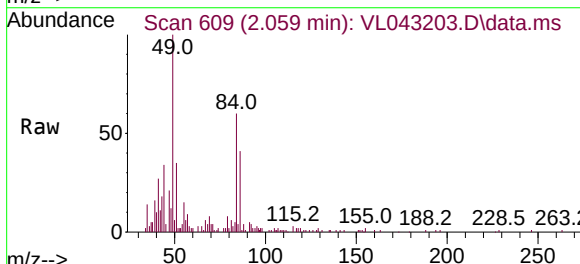
Manual Integrations
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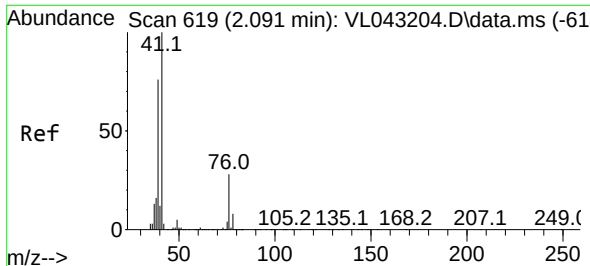
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025



#20
Methylene Chloride
Concen: 0.349 ppbv
RT: 2.059 min Scan# 609
Delta R.T. 0.003 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

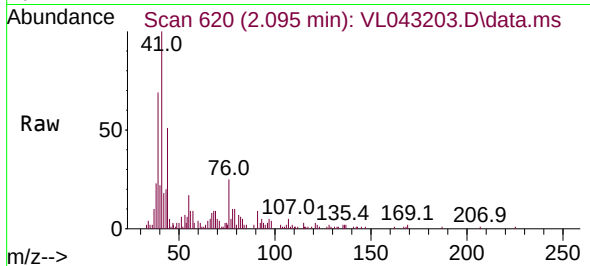
Tgt Ion: 84 Resp: 5006
Ion Ratio Lower Upper
84 100
49 173.9 132.9 199.3
51 48.8 34.8 52.2
86 70.6 48.2 72.2





#21
 Allyl Chloride
 Concen: 0.609 ppbv
 RT: 2.095 min Scan# 619
 Delta R.T. 0.003 min
 Lab File: VL043203.D
 Acq: 18 Nov 2025 09:29

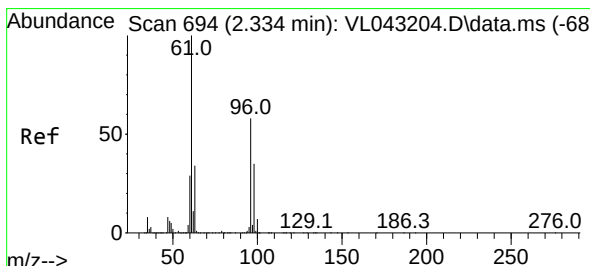
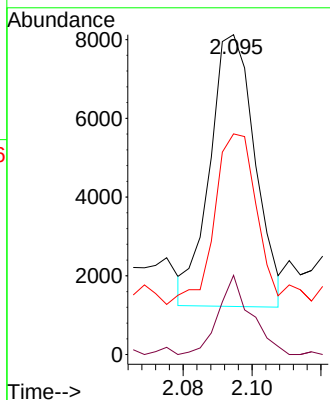
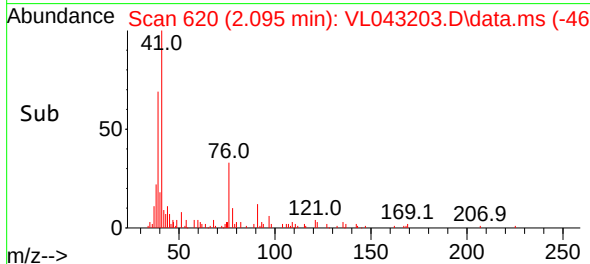
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5



Tgt Ion: 41 Resp: 6291
 Ion Ratio Lower Upper
 41 100
 76 22.2 22.1 33.1
 39 73.5 61.0 91.4

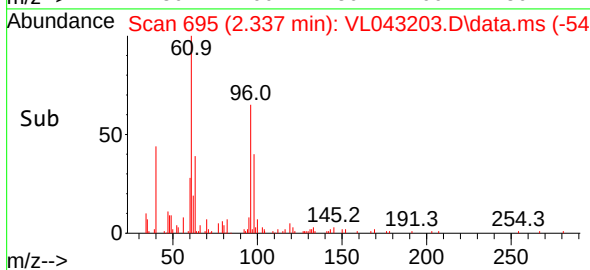
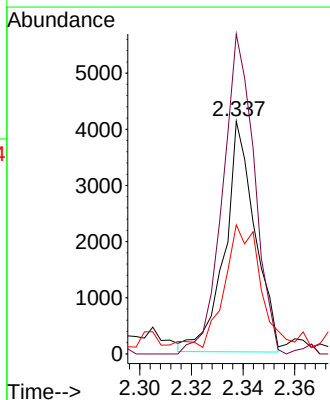
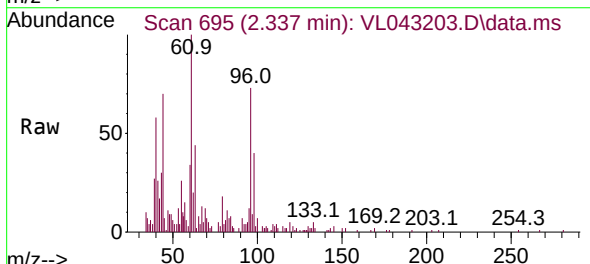
Manual Integrations
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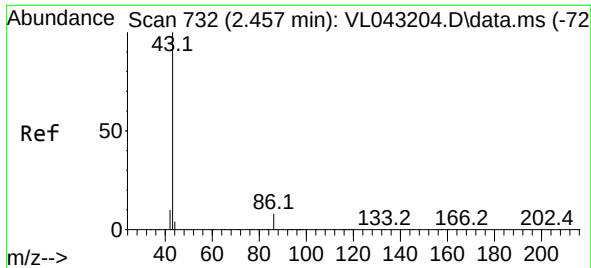
Reviewed By :Semsettin Yesilyurt 11/19/2025
 Supervised By :Mahesh Dadoda 11/19/2025



#22
 trans-1,2-Dichloroethene
 Concen: 0.533 ppbv
 RT: 2.337 min Scan# 695
 Delta R.T. 0.003 min
 Lab File: VL043203.D
 Acq: 18 Nov 2025 09:29

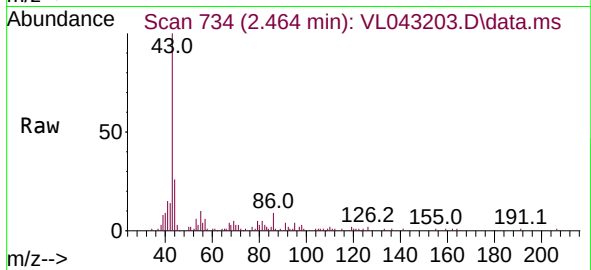
Tgt Ion: 96 Resp: 3343
 Ion Ratio Lower Upper
 96 100
 61 141.8 139.0 208.6
 98 51.7 49.4 74.2





#23
 Vinyl Acetate
 Concen: 0.562 ppbv
 RT: 2.464 min Scan# 734
 Delta R.T. 0.006 min
 Lab File: VL043203.D
 Acq: 18 Nov 2025 09:29

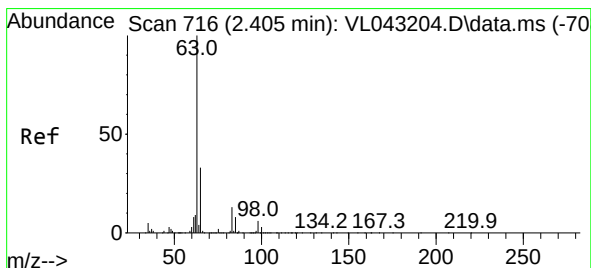
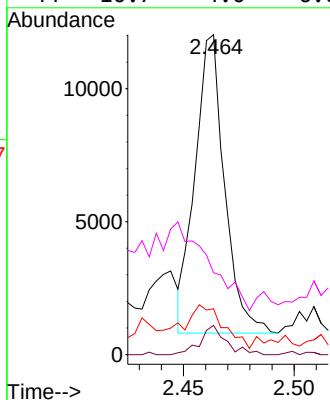
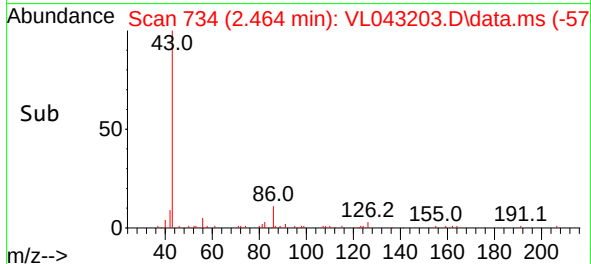
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC0.5



Tgt Ion: 43 Resp: 10414
 Ion Ratio Lower Upper
 43 100
 86 10.8 6.2 9.2
 42 11.4 8.0 12.0
 44 10.7 4.0 6.0#

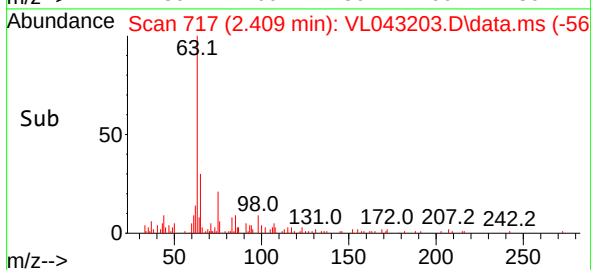
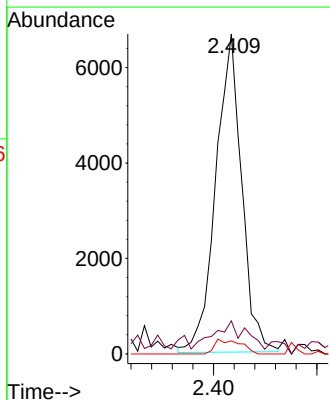
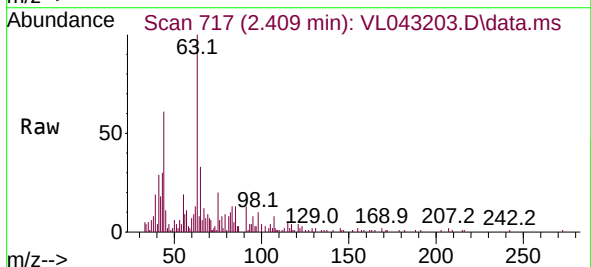
Manual Integrations
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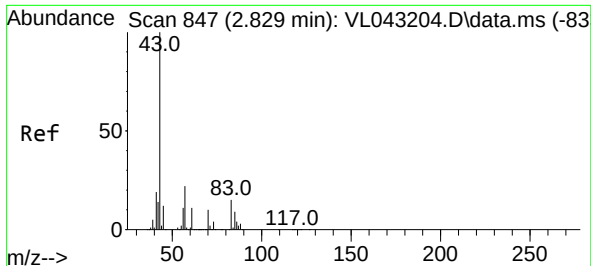
Reviewed By :Semsettin Yesilyurt 11/19/2025
 Supervised By :Mahesh Dadoda 11/19/2025



#24
 1,1-Dichloroethane
 Concen: 0.479 ppbv
 RT: 2.409 min Scan# 717
 Delta R.T. 0.003 min
 Lab File: VL043203.D
 Acq: 18 Nov 2025 09:29

Tgt Ion: 63 Resp: 5803
 Ion Ratio Lower Upper
 63 100
 98 6.6 2.8 8.4
 100 4.2 1.3 3.9#





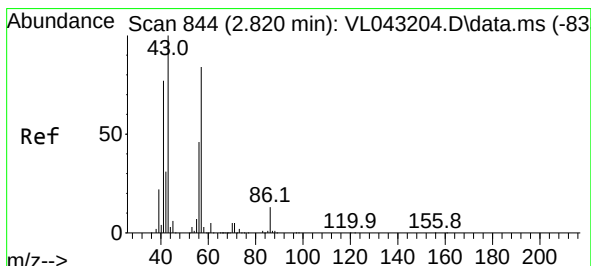
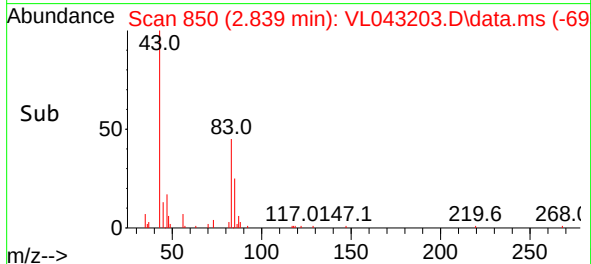
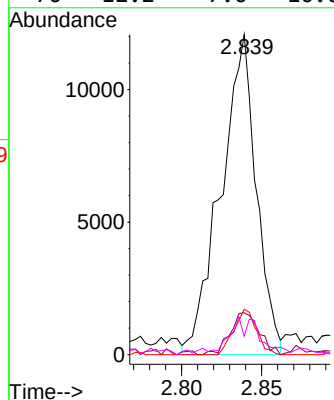
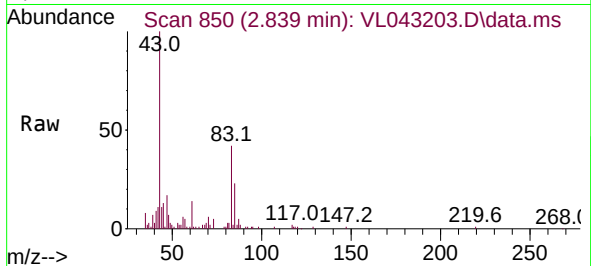
#25
Ethyl Acetate
Concen: 0.562 ppbv m
RT: 2.839 min Scan# 848
Delta R.T. 0.010 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 43 Resp: 18625
Ion Ratio Lower Upper
43 100
45 11.2 8.1 12.1
61 9.0 7.0 10.4
70 12.2 7.0 10.6#

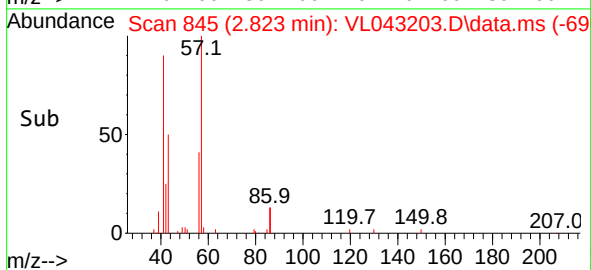
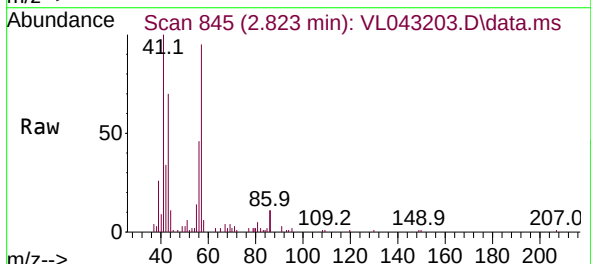
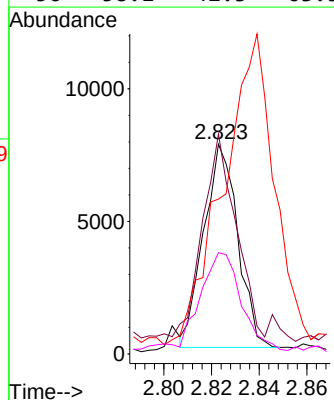
Manual Integrations
APPROVED

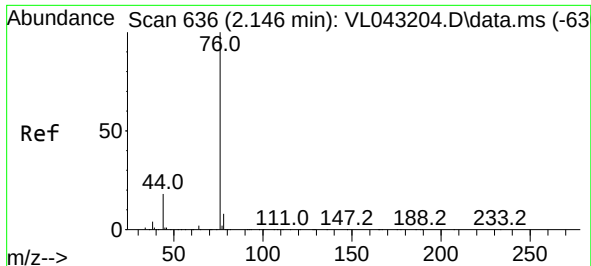
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025



#26
Hexane
Concen: 0.523 ppbv
RT: 2.823 min Scan# 845
Delta R.T. 0.003 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

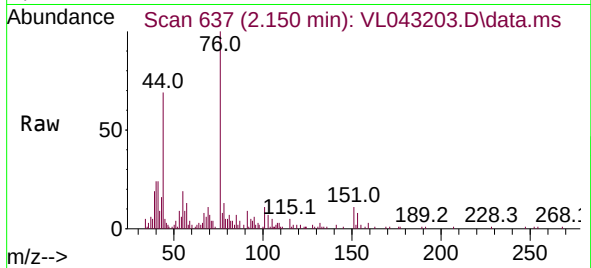
Tgt Ion: 57 Resp: 7589
Ion Ratio Lower Upper
57 100
41 114.6 74.6 111.8#
43 229.7 179.0 268.4
56 58.1 42.3 63.5





#27
Carbon Disulfide
Concen: 0.486 ppbv
RT: 2.150 min Scan# 636
Delta R.T. 0.003 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

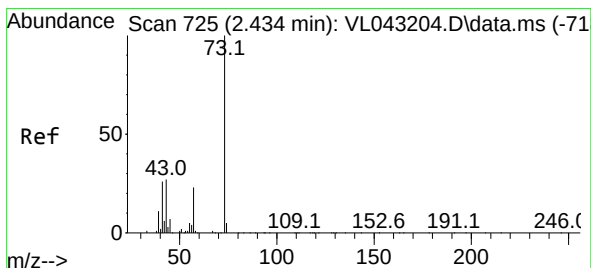
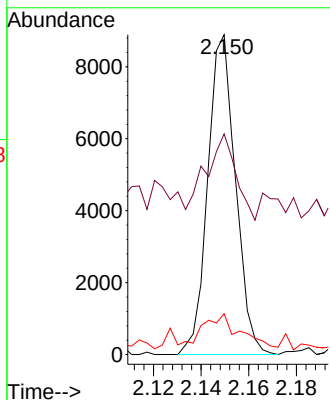
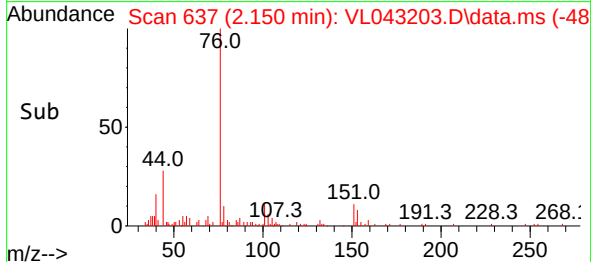
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



Tgt Ion: 76 Resp: 7198
Ion Ratio Lower Upper
76 100
44 115.9 16.1 24.1
78 26.4 9.6 14.4

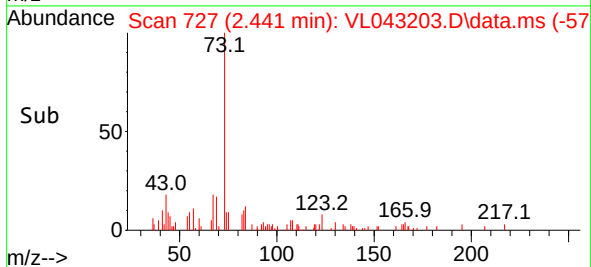
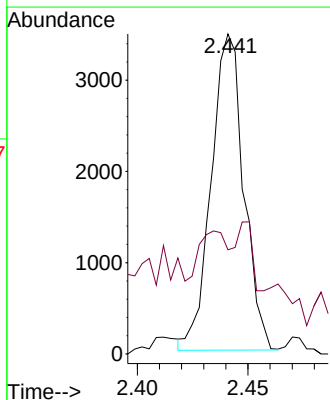
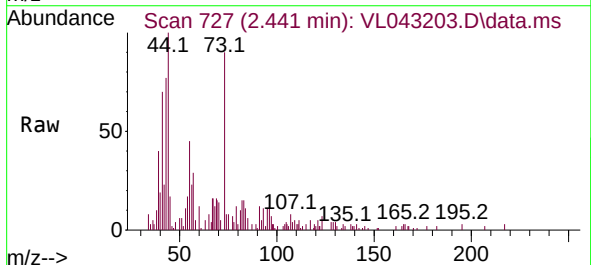
Manual Integrations
APPROVED

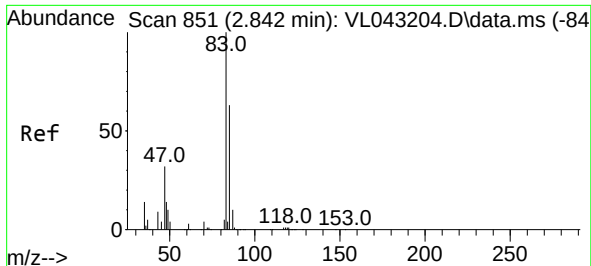
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025



#28
Methyl tert-Butyl Ether
Concen: 0.498 ppbv
RT: 2.441 min Scan# 727
Delta R.T. 0.006 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

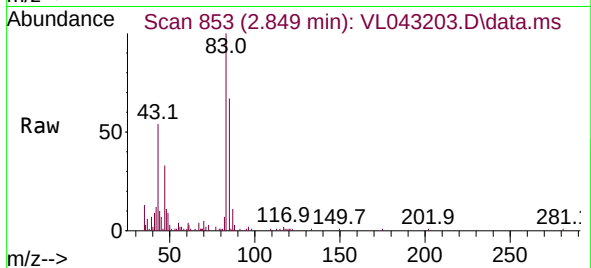
Tgt Ion: 73 Resp: 3545
Ion Ratio Lower Upper
73 100
57 67.2 19.8 29.8





#29
Chloroform
Concen: 0.523 ppbv
RT: 2.849 min Scan# 851
Delta R.T. 0.006 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

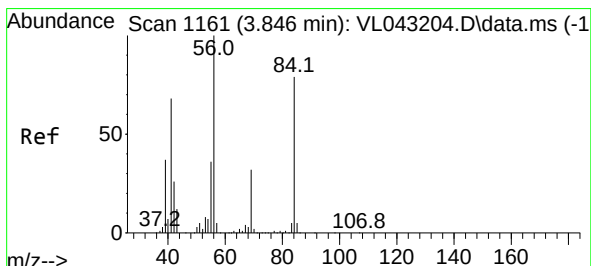
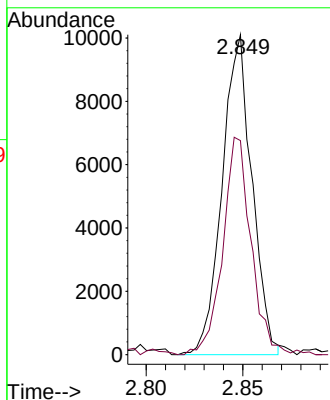
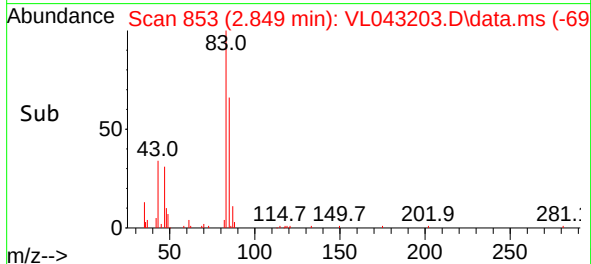
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5



Tgt Ion: 83 Resp: 10800
Ion Ratio Lower Upper
83 100
85 66.9 50.5 75.7

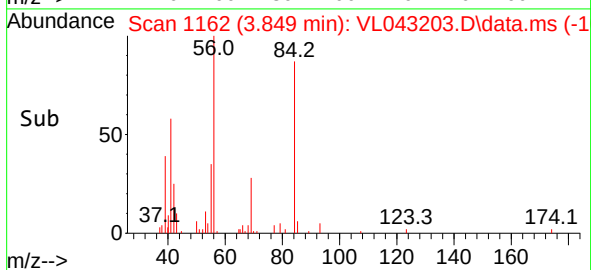
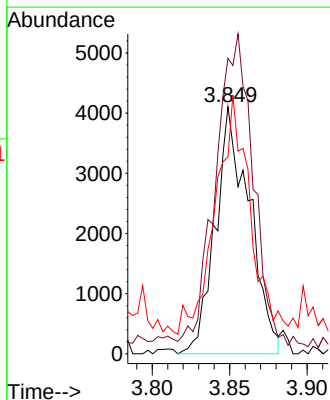
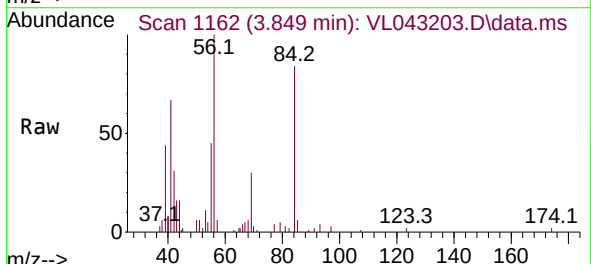
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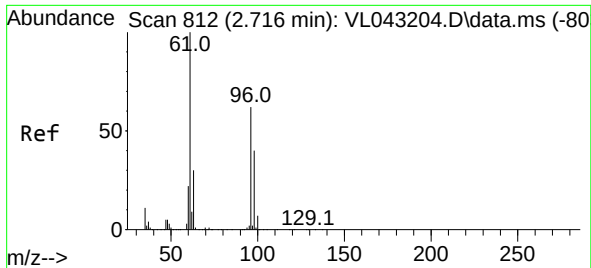
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025



#30
Cyclohexane
Concen: 0.515 ppbv
RT: 3.849 min Scan# 1162
Delta R.T. 0.003 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

Tgt Ion: 84 Resp: 6271
Ion Ratio Lower Upper
84 100
56 148.3 104.7 157.1
41 99.3 69.0 103.6





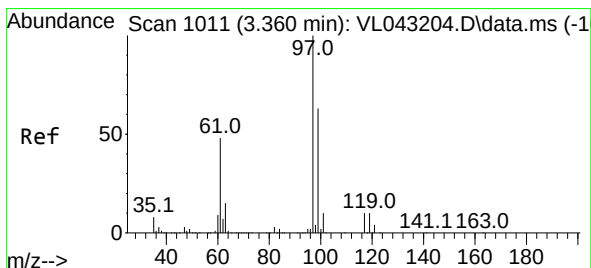
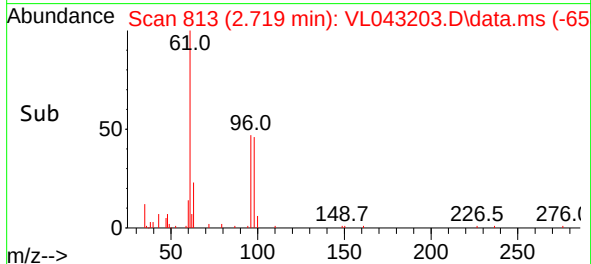
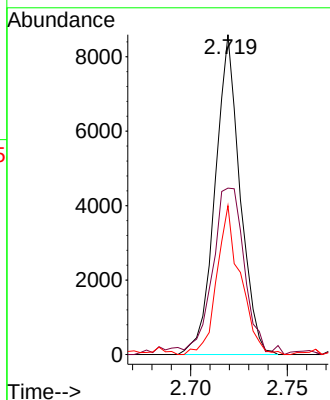
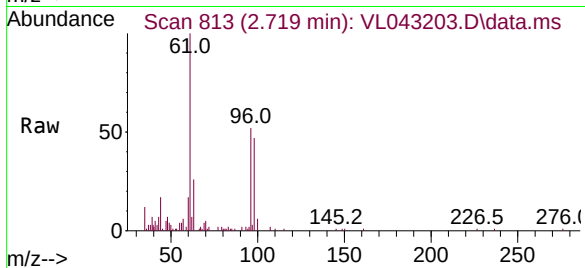
#31
 cis-1,2-Dichloroethene
 Concen: 0.536 ppbv
 RT: 2.719 min Scan# 812
 Delta R.T. 0.003 min
 Lab File: VL043203.D
 Acq: 18 Nov 2025 09:29

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tgt Ion: 61 Resp: 7728
 Ion Ratio Lower Upper
 61 100
 96 49.8 49.3 73.9
 98 46.5 32.1 48.1

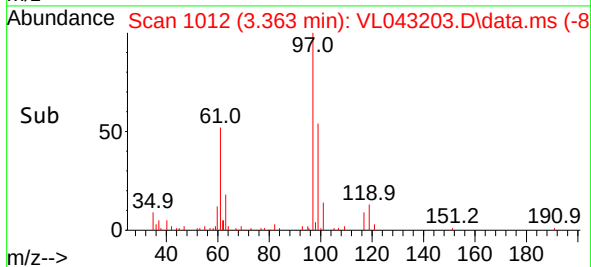
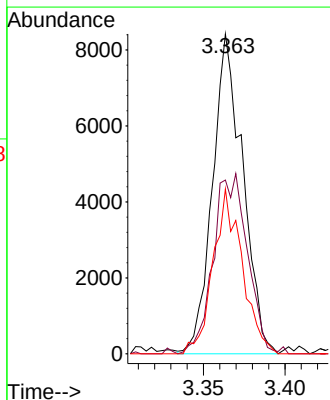
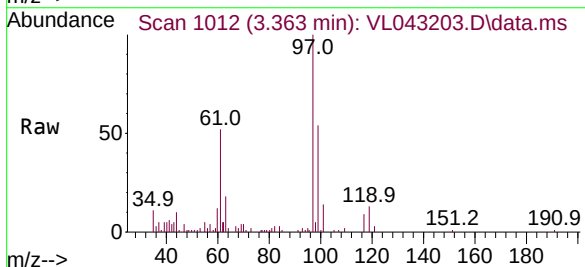
Manual Integrations
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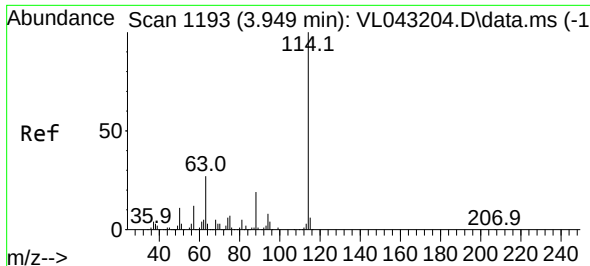
Reviewed By :Semsettin Yesilyurt 11/19/2025
 Supervised By :Mahesh Dadoda 11/19/2025



#32
 1,1,1-Trichloroethane
 Concen: 0.490 ppbv
 RT: 3.363 min Scan# 1012
 Delta R.T. 0.003 min
 Lab File: VL043203.D
 Acq: 18 Nov 2025 09:29

Tgt Ion: 97 Resp: 10886
 Ion Ratio Lower Upper
 97 100
 99 64.4 50.3 75.5
 61 49.5 38.9 58.3





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.956 min Scan# 1195

Delta R.T. 0.006 min

Lab File: VL043203.D

Acq: 18 Nov 2025 09:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

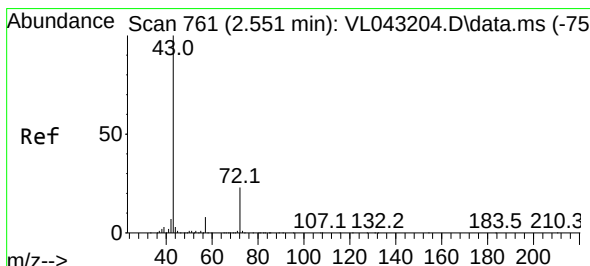
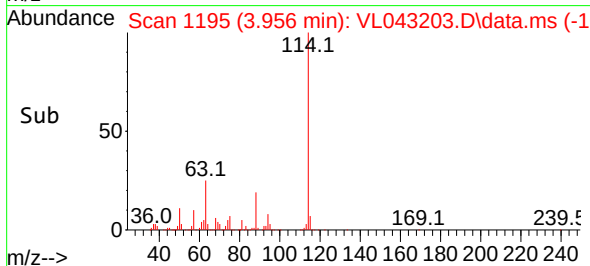
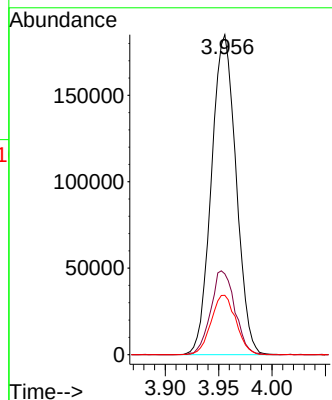
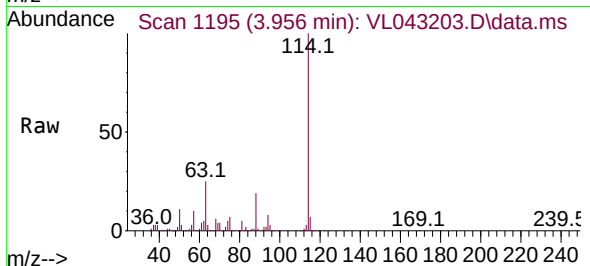
Tgt Ion:114 Resp: 296493

Ion	Ratio	Lower	Upper
114	100		
63	25.7	21.0	31.6
88	18.8	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: 0.527 ppbv

RT: 2.557 min Scan# 763

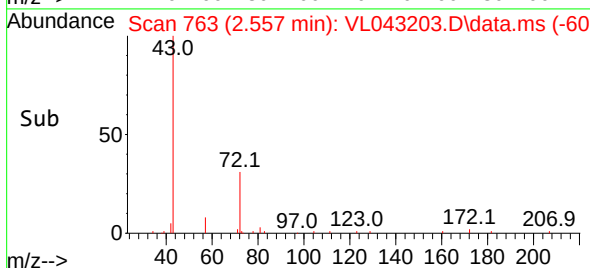
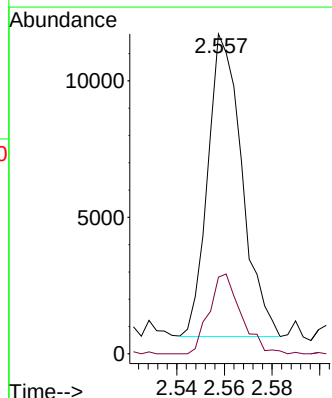
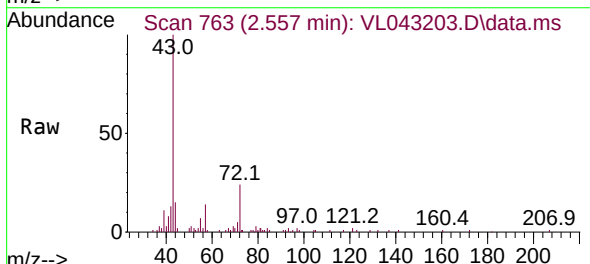
Delta R.T. 0.006 min

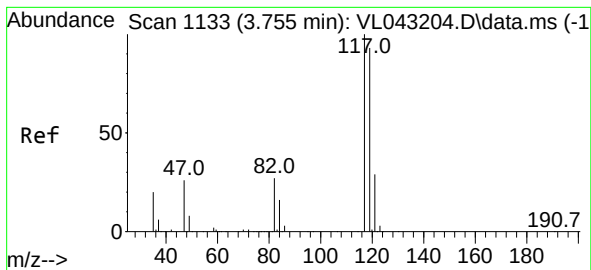
Lab File: VL043203.D

Acq: 18 Nov 2025 09:29

Tgt Ion: 43 Resp: 11026

Ion	Ratio	Lower	Upper
43	100		
72	24.9	18.1	27.1





#35

Carbon Tetrachloride

Concen: 0.513 ppbv

RT: 3.761 min Scan# 1133

Delta R.T. 0.006 min

Lab File: VL043203.D

Acq: 18 Nov 2025 09:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.5

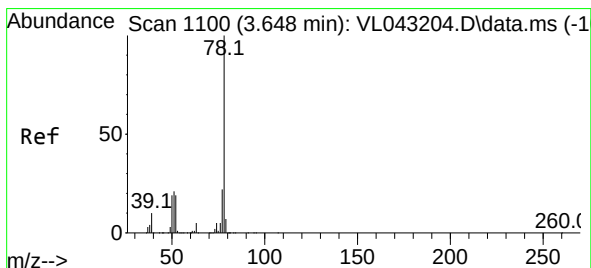
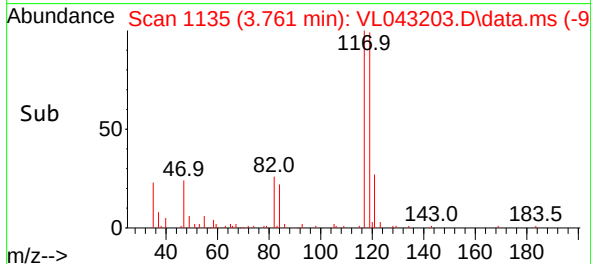
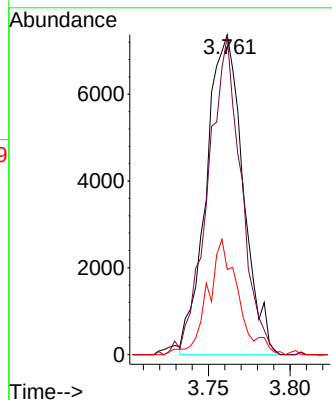
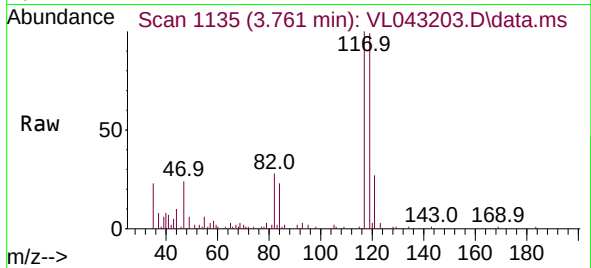
Tgt Ion:	117	Resp:	1155
Ion Ratio	Lower	Upper	
117	100		
119	99.4	74.6	112.0
121	25.7	23.2	34.8

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 11/19/2025

Supervised By :Mahesh Dadoda 11/19/2025



#36

Benzene

Concen: 0.520 ppbv

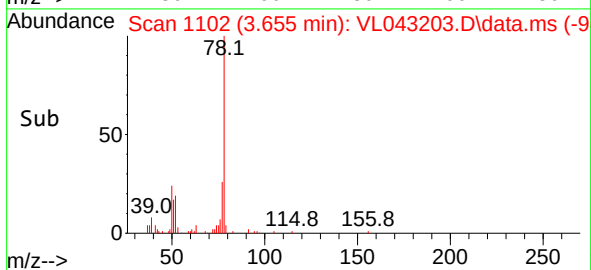
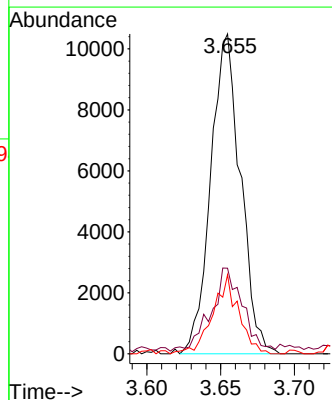
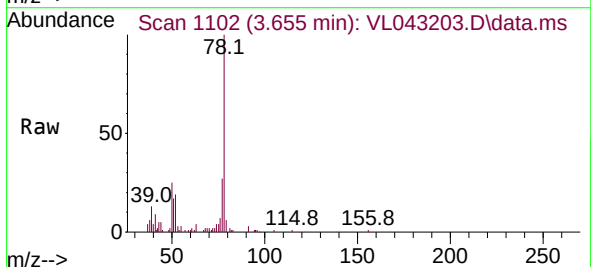
RT: 3.655 min Scan# 1102

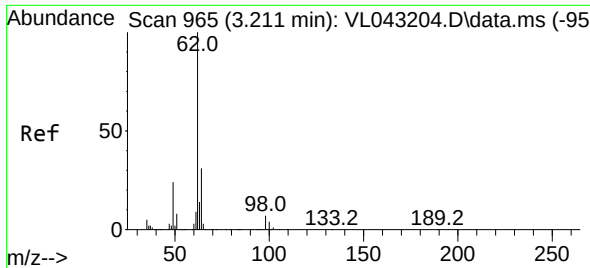
Delta R.T. 0.006 min

Lab File: VL043203.D

Acq: 18 Nov 2025 09:29

Tgt Ion:	78	Resp:	14759
Ion Ratio	Lower	Upper	
78	100		
77	24.6	17.5	26.3
50	24.7	15.5	23.3





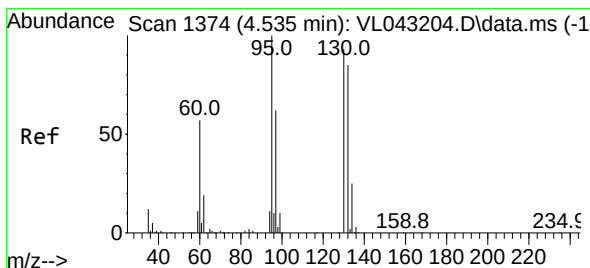
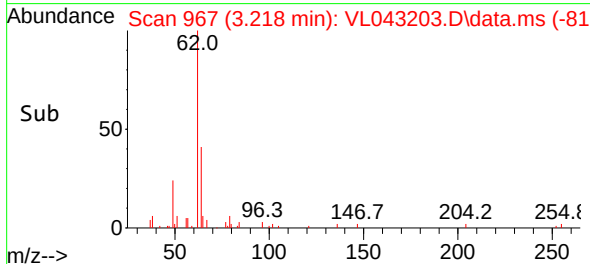
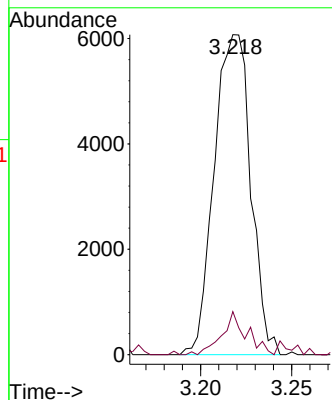
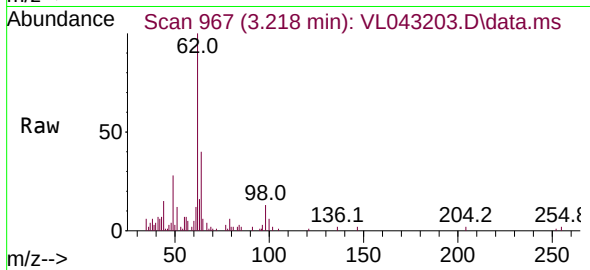
#37
1,2-Dichloroethane
Concen: 0.510 ppbv
RT: 3.218 min Scan# 965
Delta R.T. 0.006 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 62 Resp: 847
Ion Ratio Lower Upper
62 100
98 9.2 5.5 8.3

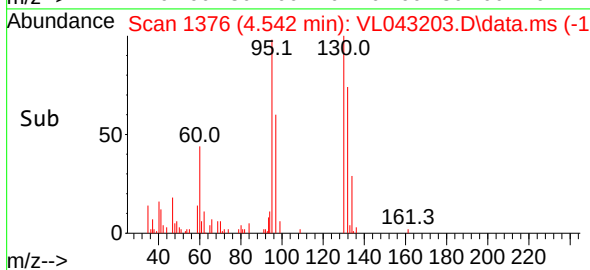
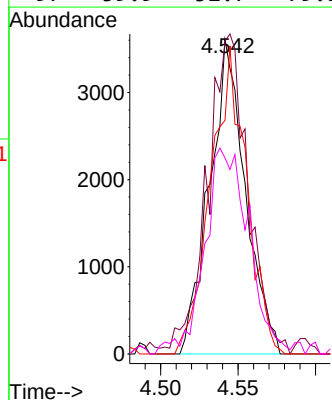
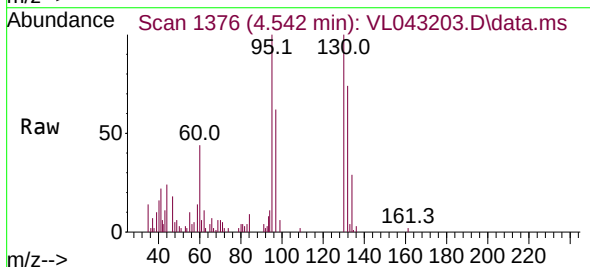
Manual Integrations
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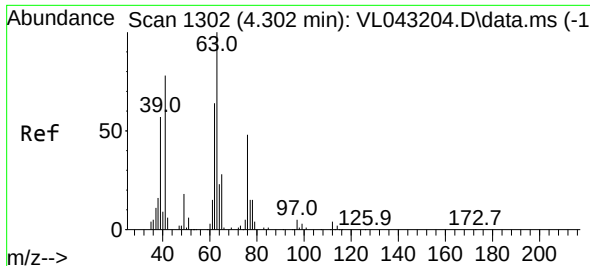
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025



#38
Trichloroethene
Concen: 0.519 ppbv
RT: 4.542 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

Tgt Ion:130 Resp: 5775
Ion Ratio Lower Upper
130 100
95 96.0 85.7 128.5
132 72.9 73.4 110.0#
97 59.9 52.7 79.1





#39

1,2-Dichloropropane

Concen: 0.530 ppbv

RT: 4.312 min Scan# 1305

Delta R.T. 0.010 min

Lab File: VL043203.D

Acq: 18 Nov 2025 09:29

Instrument :

MSVOA_L

ClientSampleId :

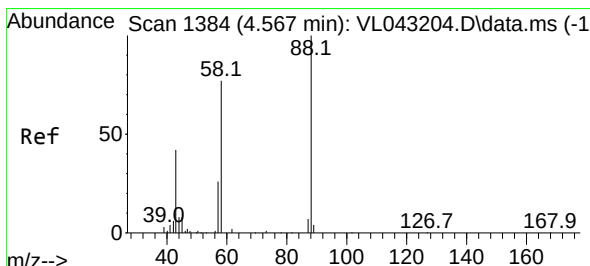
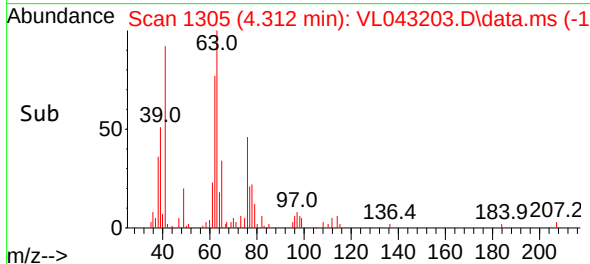
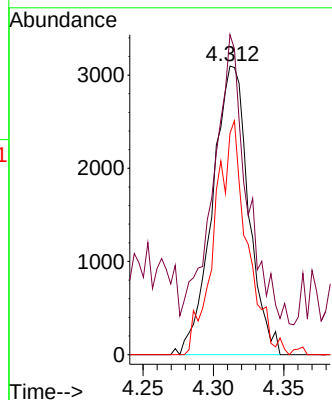
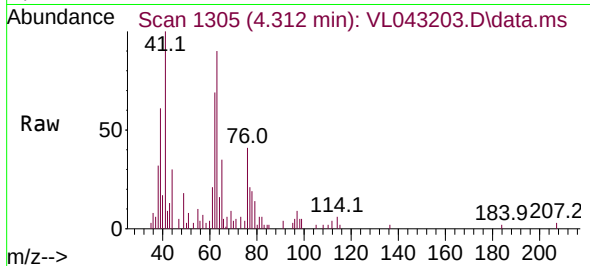
VSTDICC0.5

Tgt Ion: 63	Resp: 5510
Ion Ratio	Lower Upper
63	100
41	98.4 62.6 93.8
62	76.7 51.0 76.6

Manual Integrations

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



#40

1,4-Dioxane

Concen: 0.573 ppbv m

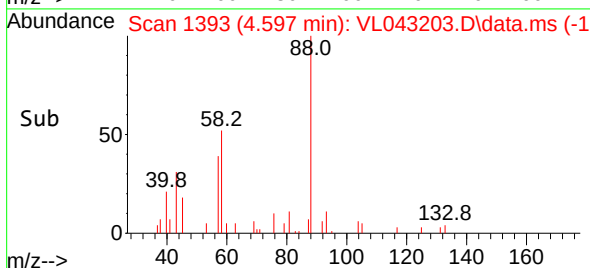
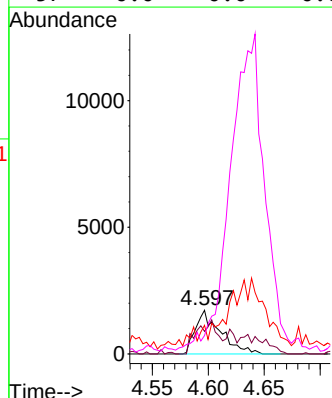
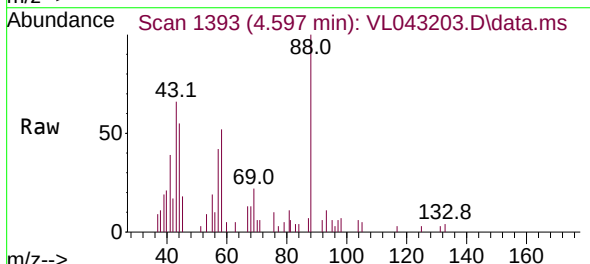
RT: 4.597 min Scan# 1393

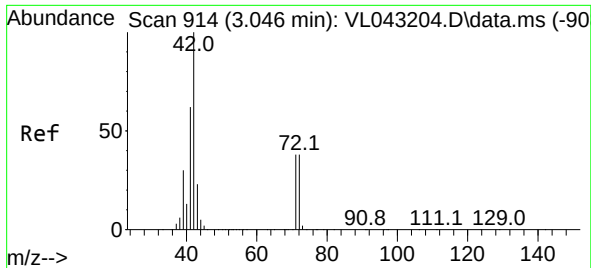
Delta R.T. 0.029 min

Lab File: VL043203.D

Acq: 18 Nov 2025 09:29

Tgt Ion: 88	Resp: 2675
Ion Ratio	Lower Upper
88	100
58	0.0 63.0 94.6
43	19.9 32.5 48.7
57	0.0 0.0 0.0





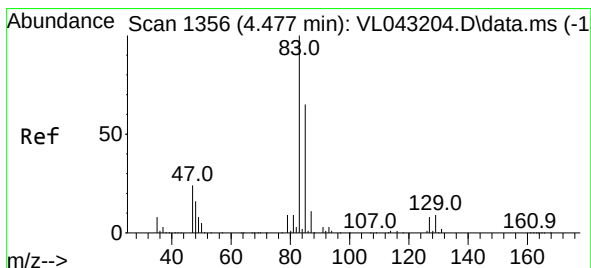
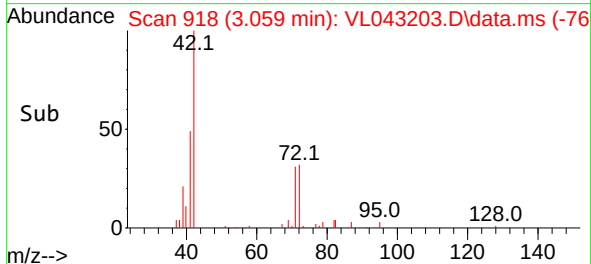
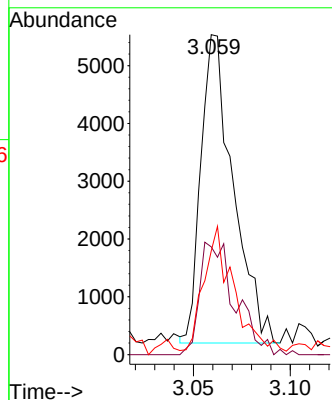
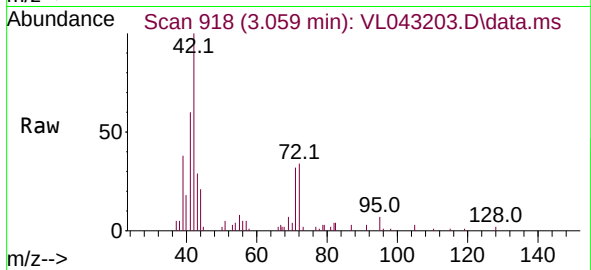
#41
Tetrahydrofuran
Concen: 0.536 ppbv
RT: 3.059 min Scan# 914
Delta R.T. 0.013 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 42 Resp: 6193
Ion Ratio Lower Upper
42 100
72 40.2 30.6 46.0
71 42.1 30.5 45.7

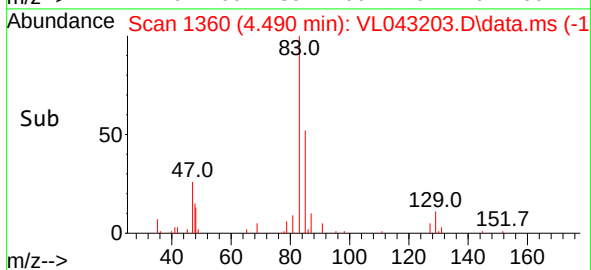
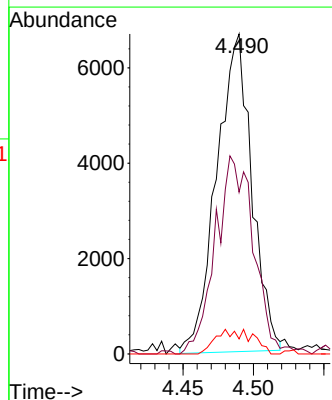
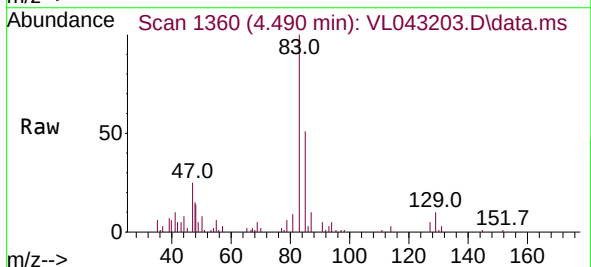
Manual Integrations
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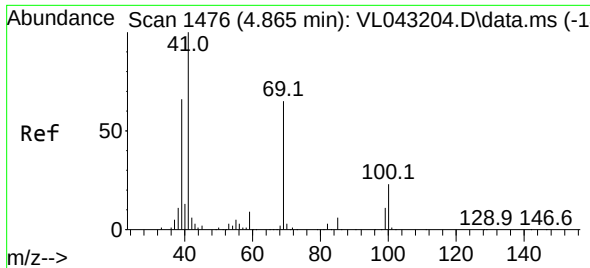
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025



#42
Bromodichloromethane
Concen: 0.506 ppbv
RT: 4.490 min Scan# 1360
Delta R.T. 0.013 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

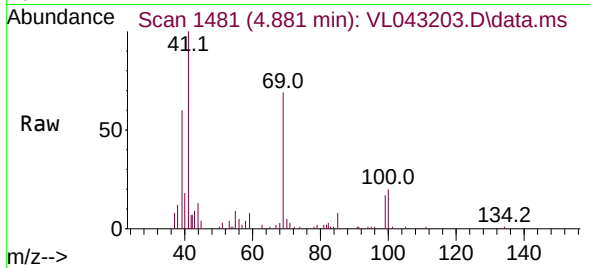
Tgt Ion: 83 Resp: 11597
Ion Ratio Lower Upper
83 100
85 51.4 51.7 77.5#
127 4.8 6.3 9.5#





#43
Methyl Methacrylate
Concen: 0.566 ppbv
RT: 4.881 min Scan# 1476
Delta R.T. 0.016 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

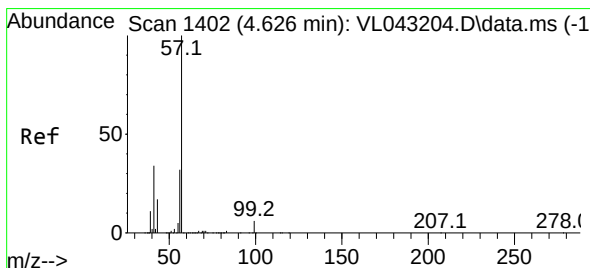
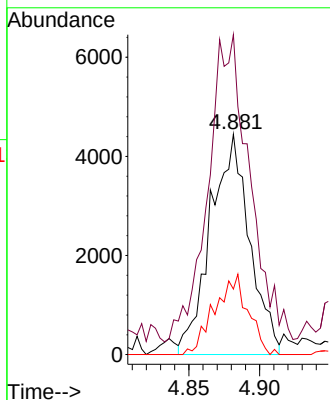
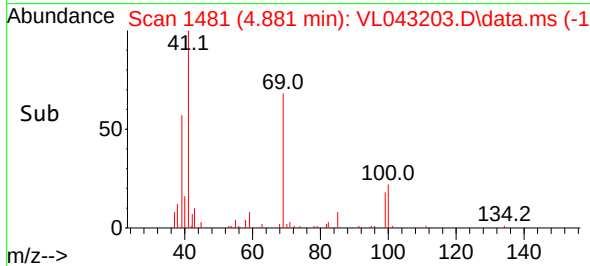
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



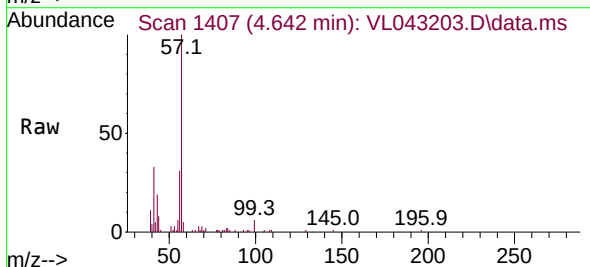
Tgt Ion: 69 Resp: 8534
Ion Ratio Lower Upper
69 100
41 0.0 126.7 190.1
100 0.0 28.6 43.0

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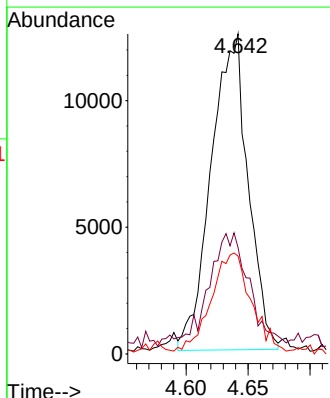
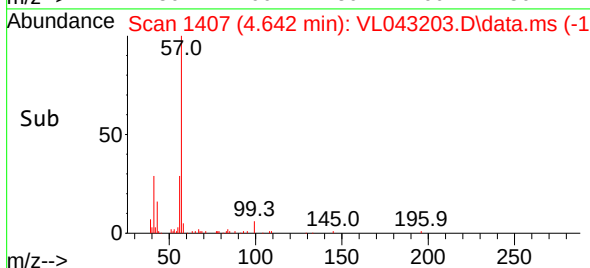
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

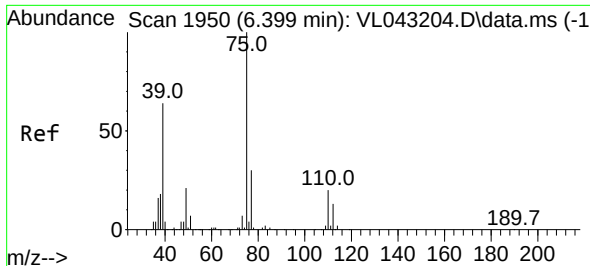


#44
2,2,4-Trimethylpentane
Concen: 0.531 ppbv
RT: 4.642 min Scan# 1407
Delta R.T. 0.016 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29



Tgt Ion: 57 Resp: 25890
Ion Ratio Lower Upper
57 100
41 36.2 28.0 42.0
56 36.9 25.6 38.4





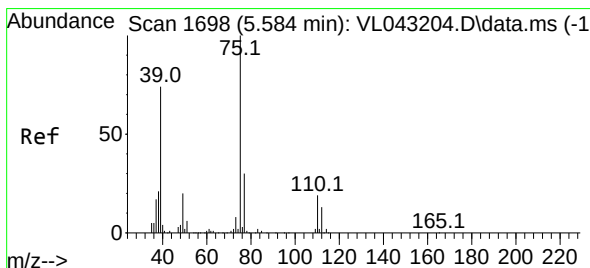
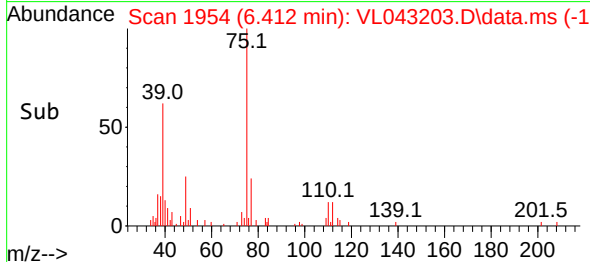
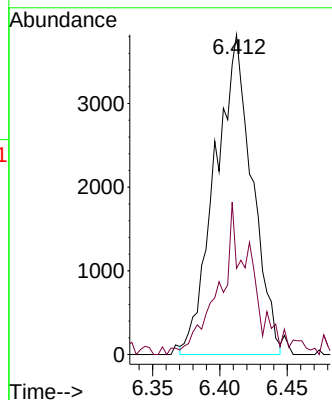
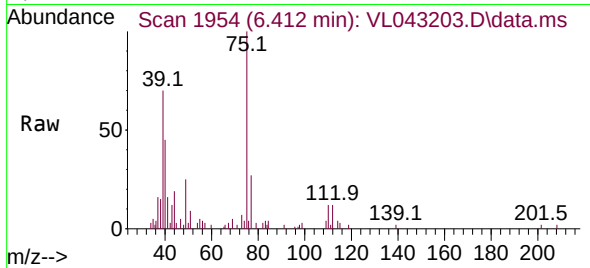
#45
 t-1,3-Dichloropropene
 Concen: 0.523 ppbv
 RT: 6.412 min Scan# 1954
 Delta R.T. 0.013 min
 Lab File: VL043203.D
 Acq: 18 Nov 2025 09:29

Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC0.5

Tgt Ion: 75 Resp: 7343
 Ion Ratio Lower Upper
 75 100
 77 26.9 24.3 36.5

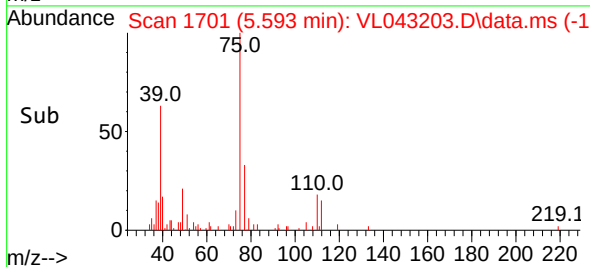
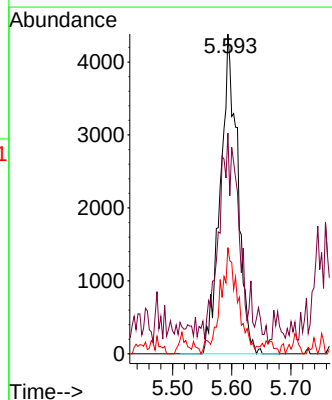
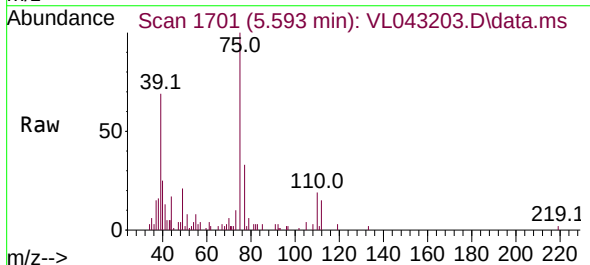
Manual Integrations
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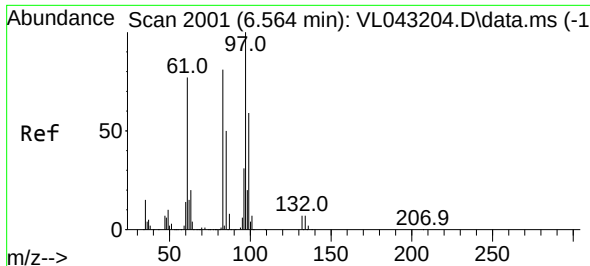
Reviewed By :Semsettin Yesilyurt 11/19/2025
 Supervised By :Mahesh Dadoda 11/19/2025



#46
 cis-1,3-Dichloropropene
 Concen: 0.539 ppbv m
 RT: 5.593 min Scan# 1701
 Delta R.T. 0.010 min
 Lab File: VL043203.D
 Acq: 18 Nov 2025 09:29

Tgt Ion: 75 Resp: 8886
 Ion Ratio Lower Upper
 75 100
 39 69.0 59.1 88.7
 77 33.2 24.2 36.2





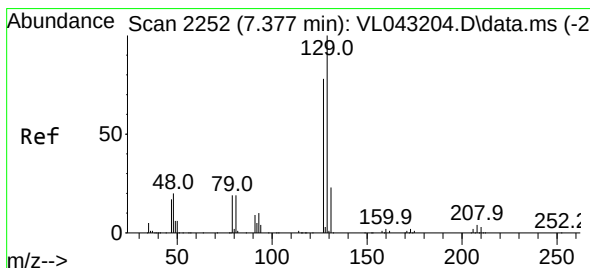
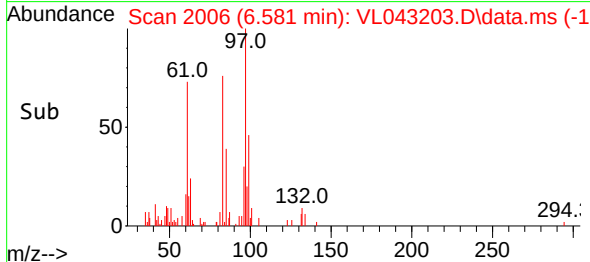
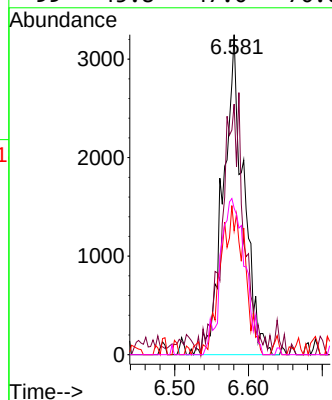
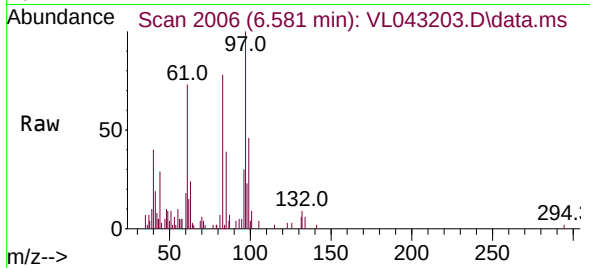
#47
1,1,2-Trichloroethane
Concen: 0.567 ppbv m
RT: 6.581 min Scan# 2006
Delta R.T. 0.016 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 97 Resp: 6280
Ion Ratio Lower Upper
97 100
83 78.3 64.6 97.0
85 38.7 39.4 59.2
99 45.8 47.0 70.6

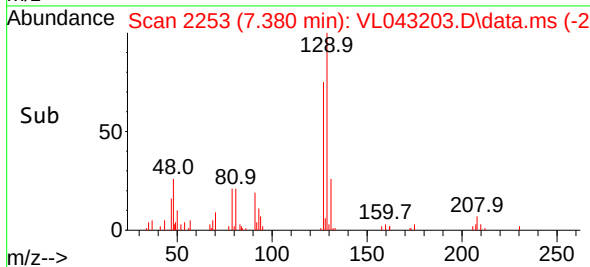
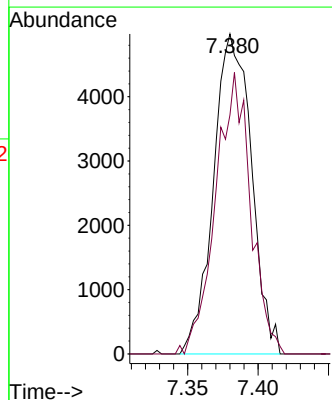
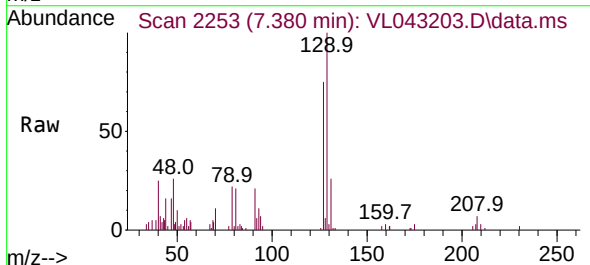
Manual Integrations
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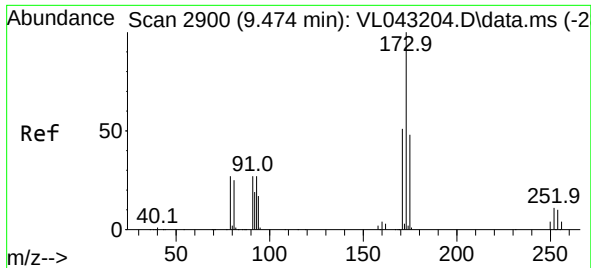
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025



#48
Dibromochloromethane
Concen: 0.492 ppbv
RT: 7.380 min Scan# 2253
Delta R.T. 0.003 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

Tgt Ion:129 Resp: 9327
Ion Ratio Lower Upper
129 100
127 80.8 39.3 117.9





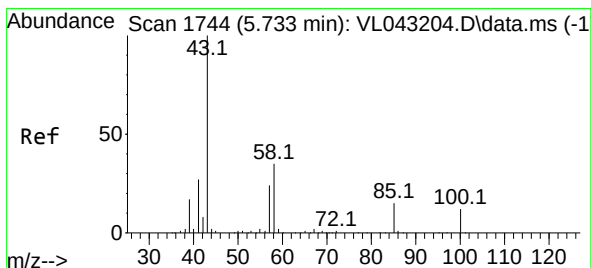
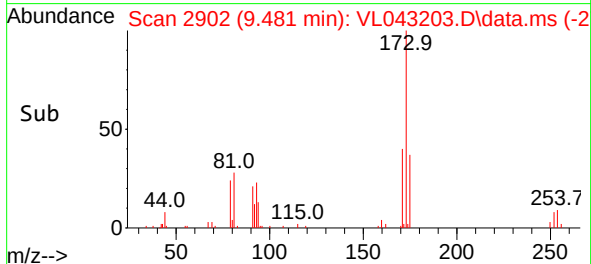
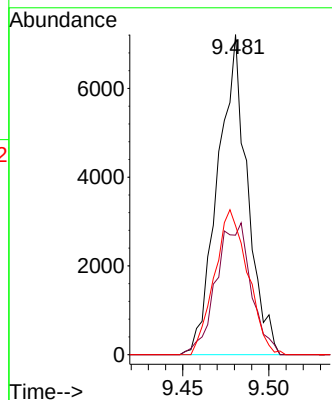
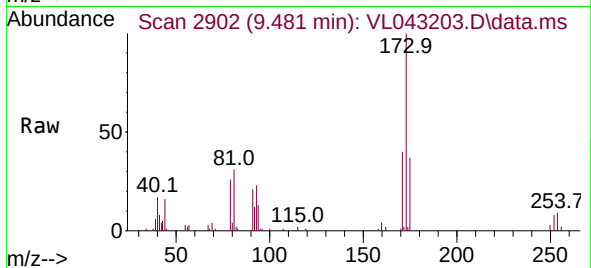
#49
Bromoform
Concen: 0.514 ppbv
RT: 9.481 min Scan# 2900
Delta R.T. 0.007 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion:173 Resp: 8636
Ion Ratio Lower Upper
173 100
175 48.4 38.6 58.0
171 50.9 40.6 61.0

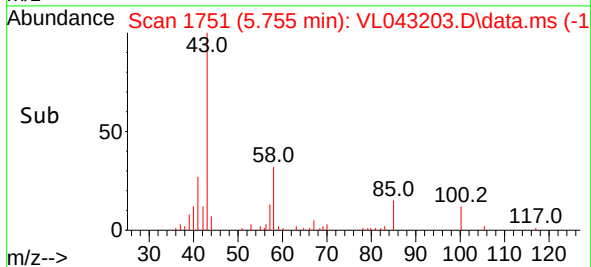
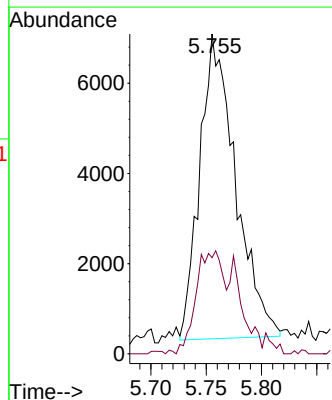
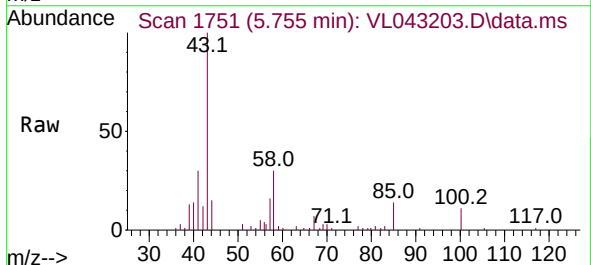
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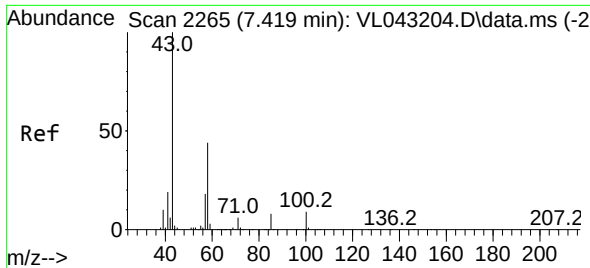
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025



#50
4-Methyl-2-Pentanone
Concen: 0.515 ppbv
RT: 5.755 min Scan# 1751
Delta R.T. 0.023 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

Tgt Ion: 43 Resp: 15190
Ion Ratio Lower Upper
43 100
58 40.3 28.4 42.6





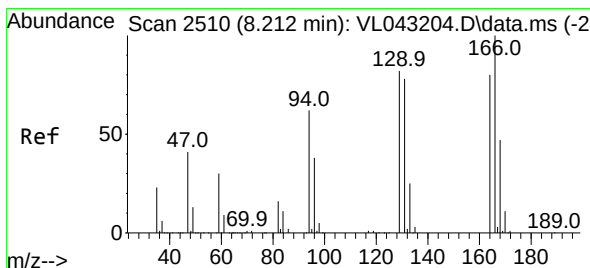
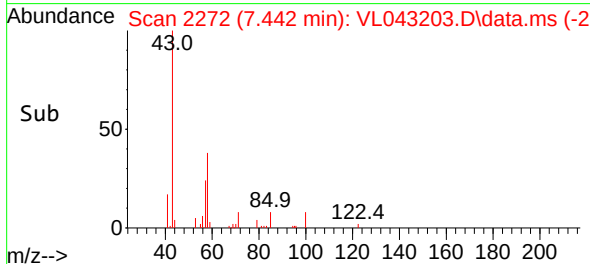
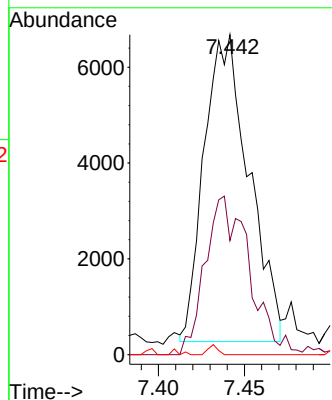
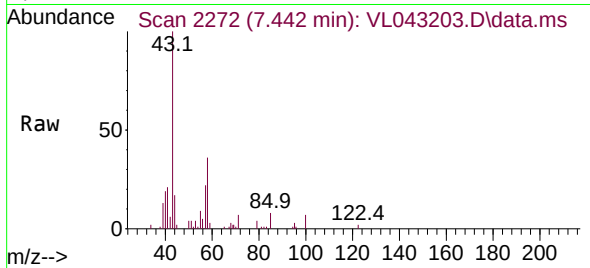
#51
2-Hexanone
Concen: 0.506 ppbv
RT: 7.442 min Scan# 2159
Delta R.T. 0.023 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 43 Resp: 11594
Ion Ratio Lower Upper
43 100
58 52.6 38.4 57.6
98 0.7 0.0 0.0

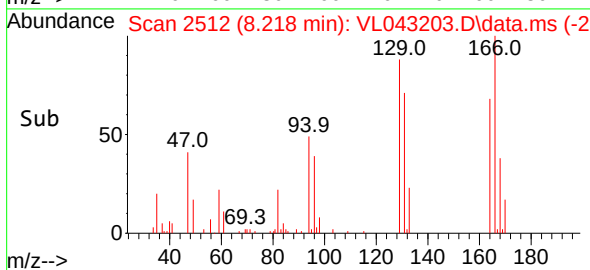
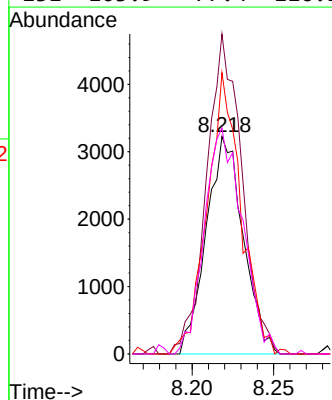
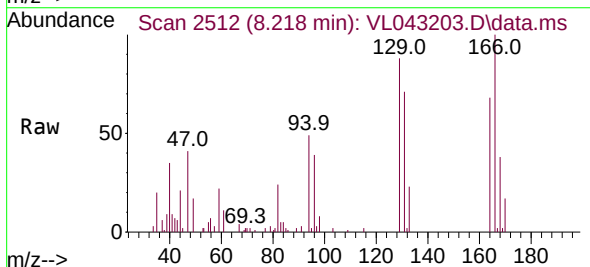
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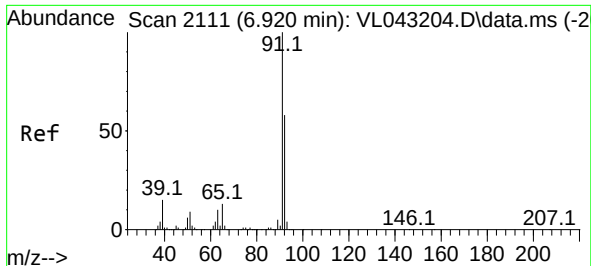
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025



#52
Tetrachloroethene
Concen: 0.483 ppbv
RT: 8.218 min Scan# 2512
Delta R.T. 0.006 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

Tgt Ion:164 Resp: 5097
Ion Ratio Lower Upper
164 100
166 147.2 99.4 149.2
129 127.2 81.8 122.8#
131 103.9 77.4 116.2





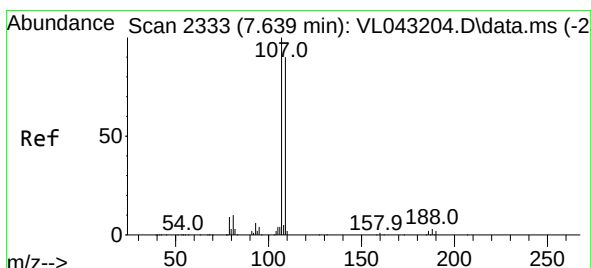
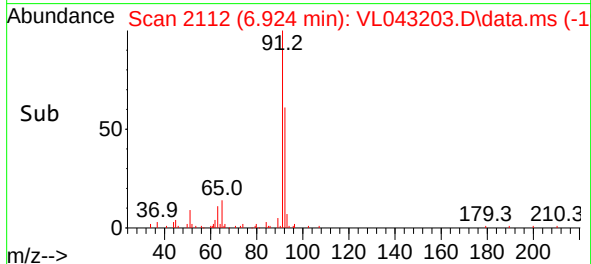
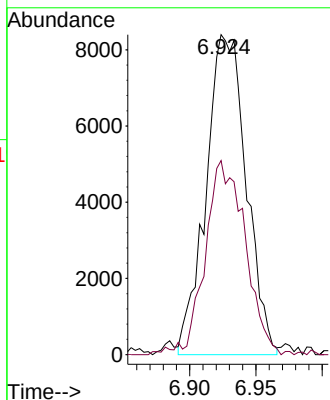
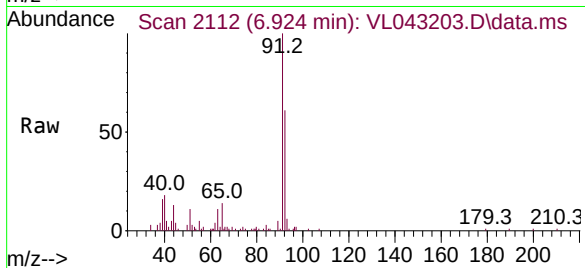
#53
Toluene
Concen: 0.525 ppbv m
RT: 6.924 min Scan# 2111
Delta R.T. 0.003 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 91 Resp: 1775
Ion Ratio Lower Upper
91 100
92 0.0 47.4 71.0

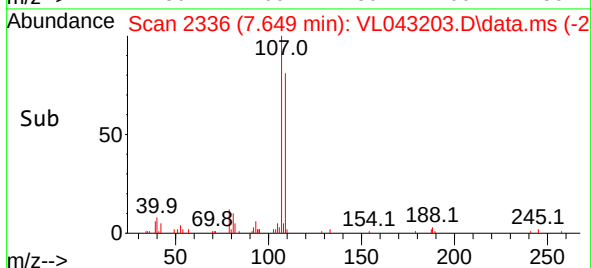
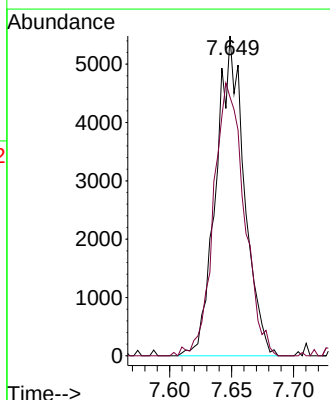
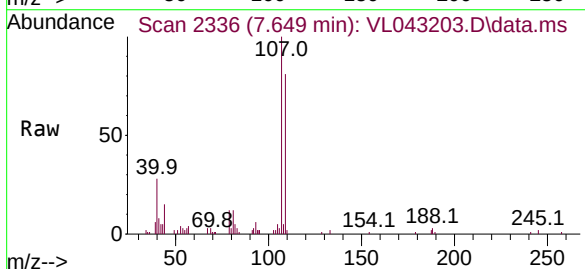
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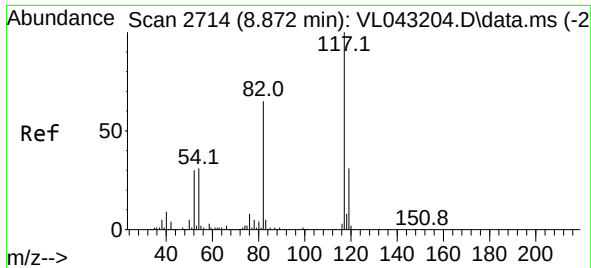
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025



#54
1,2-Dibromoethane
Concen: 0.537 ppbv
RT: 7.649 min Scan# 2336
Delta R.T. 0.010 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

Tgt Ion:107 Resp: 8708
Ion Ratio Lower Upper
107 100
109 80.8 72.1 108.1





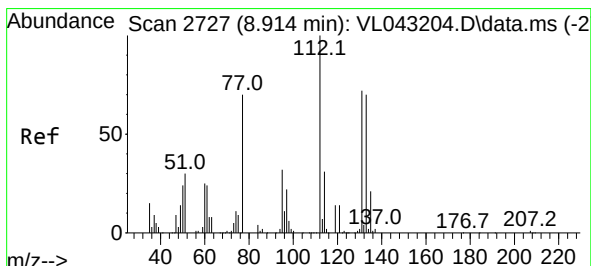
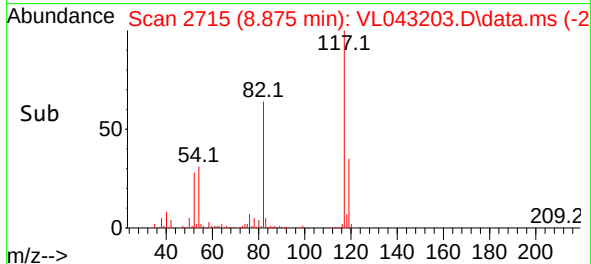
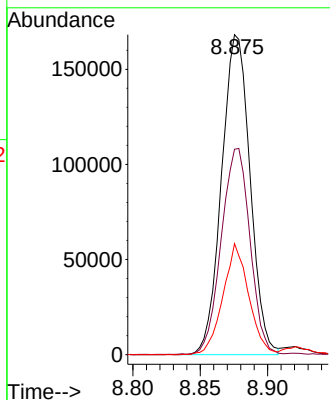
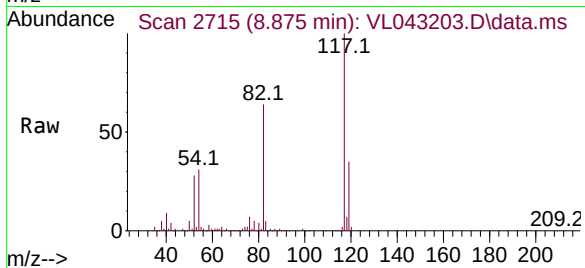
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.875 min Scan# 2715
Delta R.T. 0.003 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion:117 Resp: 247763
Ion Ratio Lower Upper
117 100
82 65.5 56.1 84.1
119 31.6 25.0 37.6

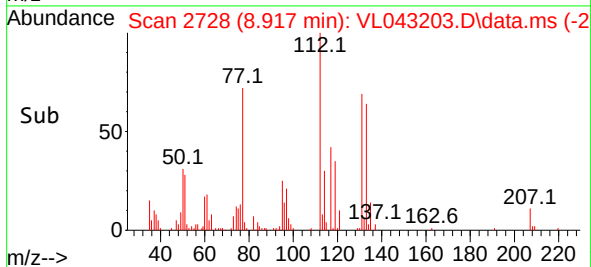
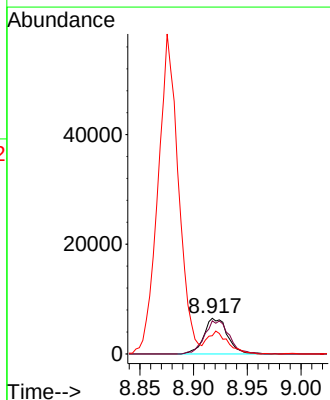
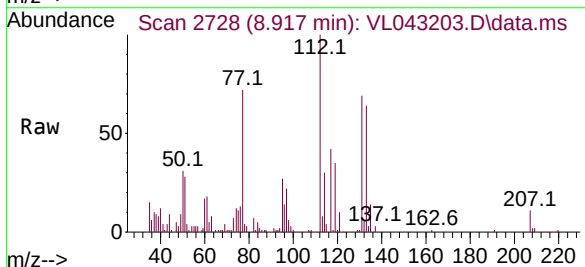
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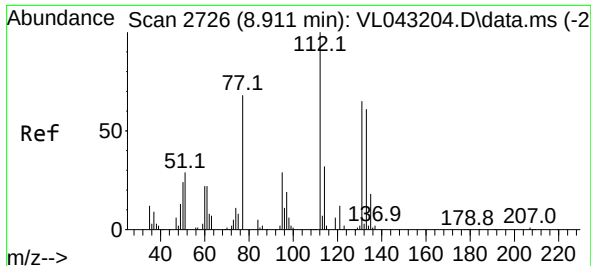
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025



#56
1,1,1,2-Tetrachloroethane
Concen: 0.538 ppbv m
RT: 8.917 min Scan# 2728
Delta R.T. 0.003 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

Tgt Ion:131 Resp: 9793
Ion Ratio Lower Upper
131 100
133 98.4 77.4 116.2
119 50.6 49.1 73.7





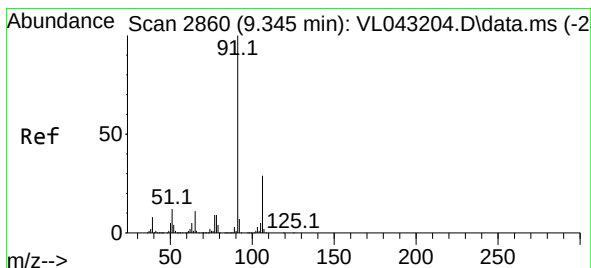
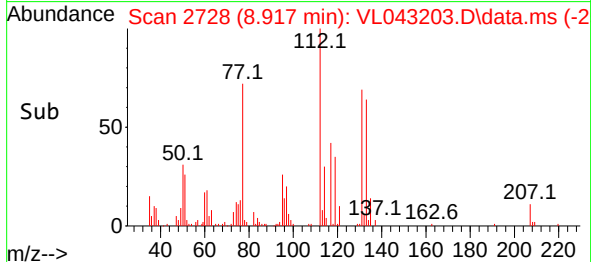
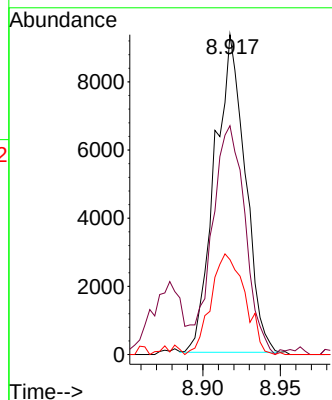
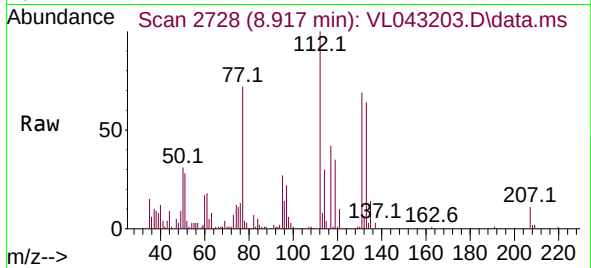
#57
Chlorobenzene
Concen: 0.504 ppbv
RT: 8.917 min Scan# 2726
Delta R.T. 0.006 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 112 Resp: 12818
Ion Ratio Lower Upper
112 100
77 69.0 55.5 83.3
114 29.2 29.1 35.5

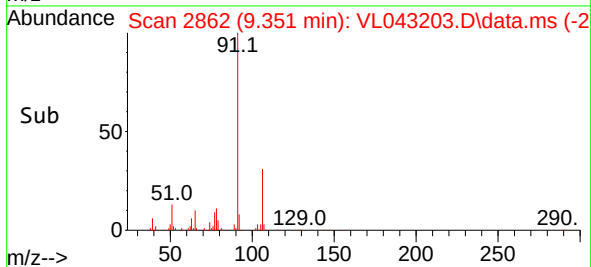
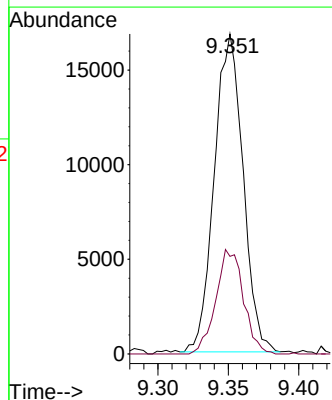
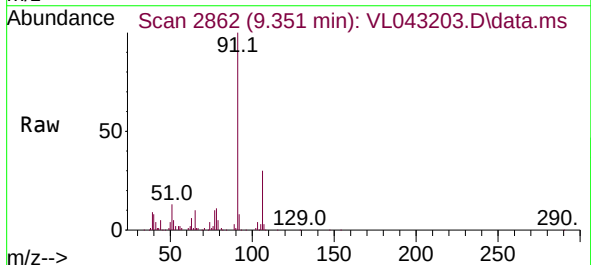
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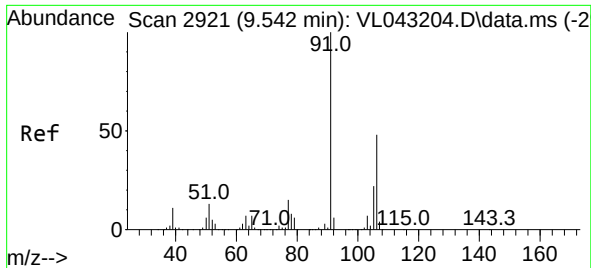
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025



#58
Ethyl Benzene
Concen: 0.500 ppbv
RT: 9.351 min Scan# 2862
Delta R.T. 0.006 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

Tgt Ion: 91 Resp: 23866
Ion Ratio Lower Upper
91 100
106 30.7 22.8 34.2





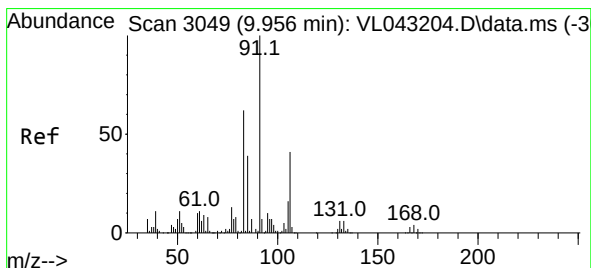
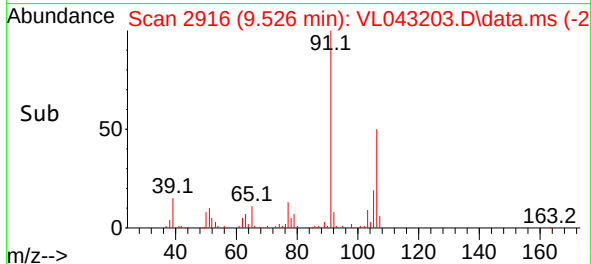
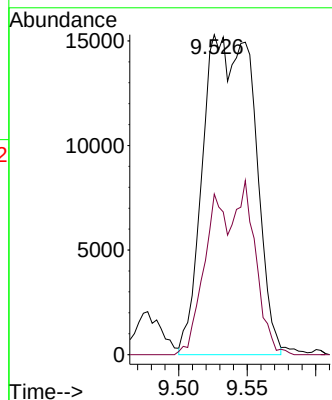
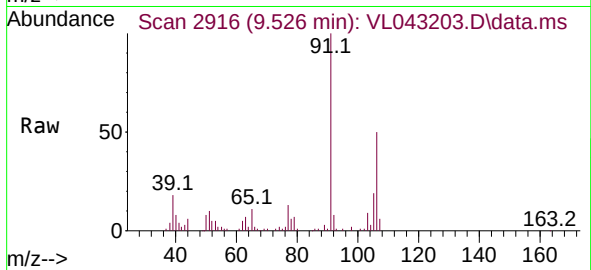
#59
m/p-Xylene
Concen: 1.044 ppbv m
RT: 9.526 min Scan# 2916
Delta R.T. -0.016 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 91 Resp: 40076
Ion Ratio Lower Upper
91 100
106 46.0 36.1 54.1

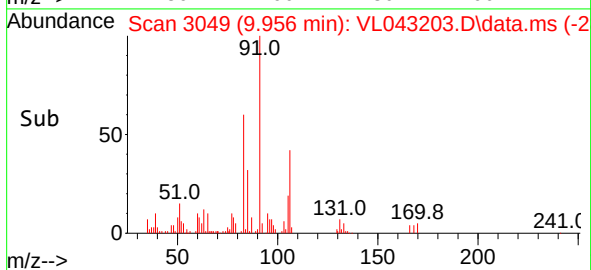
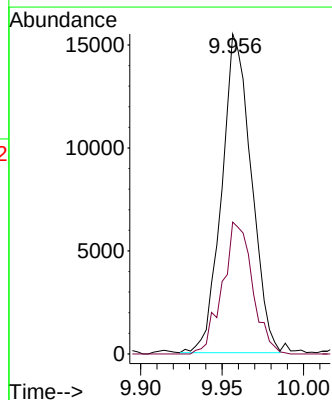
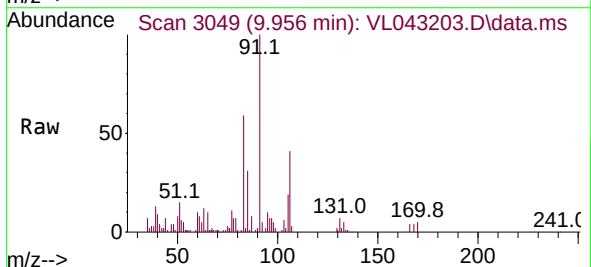
Manual Integrations
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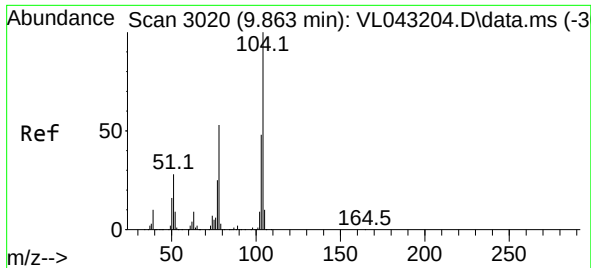
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025



#60
o-Xylene
Concen: 0.514 ppbv
RT: 9.956 min Scan# 3049
Delta R.T. 0.000 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

Tgt Ion: 91 Resp: 19621
Ion Ratio Lower Upper
91 100
106 42.0 20.9 62.8





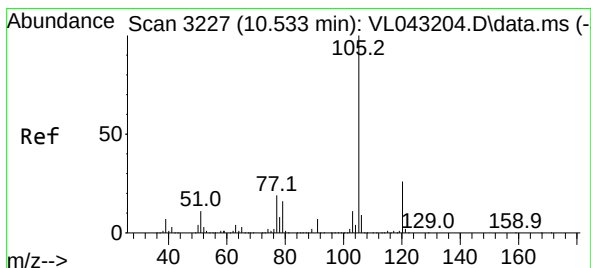
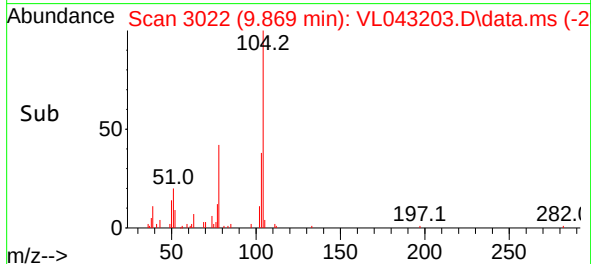
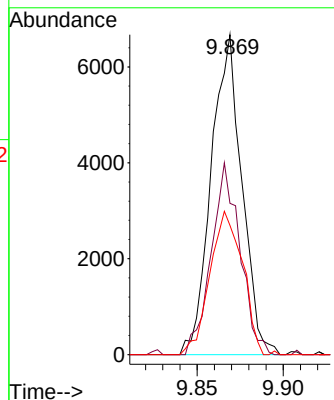
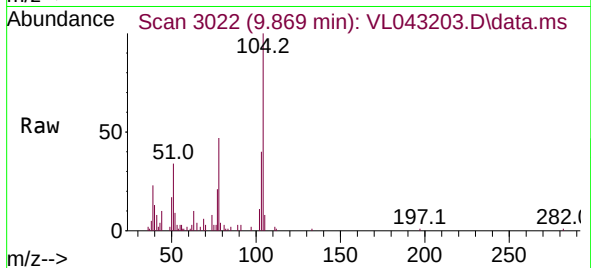
#61
Styrene
Concen: 0.496 ppbv
RT: 9.869 min Scan# 3020
Delta R.T. 0.007 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion:104 Resp: 828
Ion Ratio Lower Upper
104 100
78 56.3 42.1 63.1
103 47.8 37.2 55.8

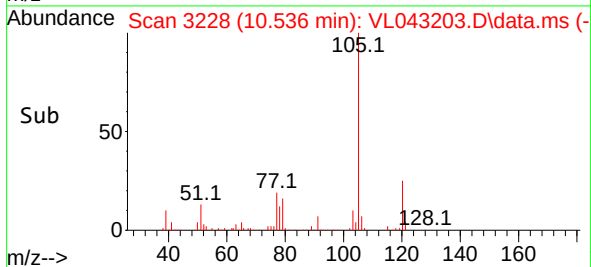
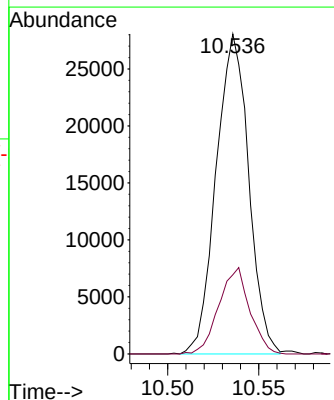
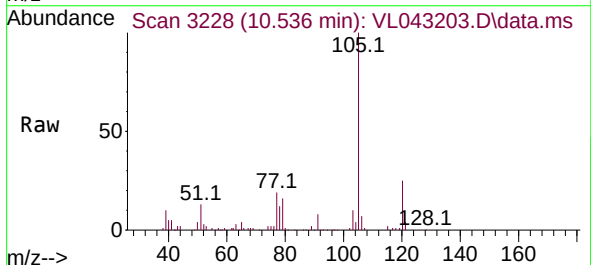
Manual Integrations
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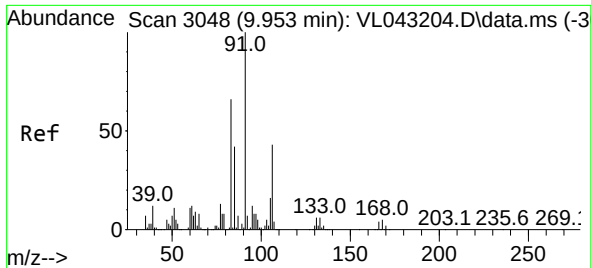
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025



#62
Isopropylbenzene
Concen: 0.509 ppbv
RT: 10.536 min Scan# 3228
Delta R.T. 0.003 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

Tgt Ion:105 Resp: 34773
Ion Ratio Lower Upper
105 100
120 25.6 19.8 29.8





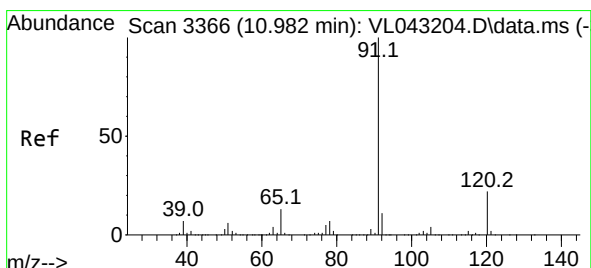
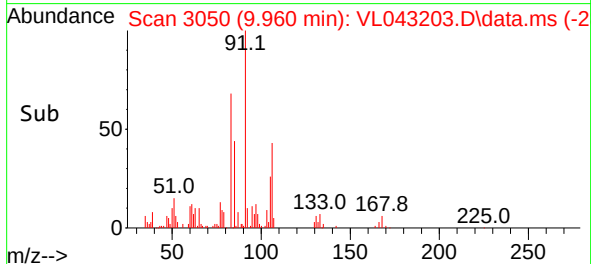
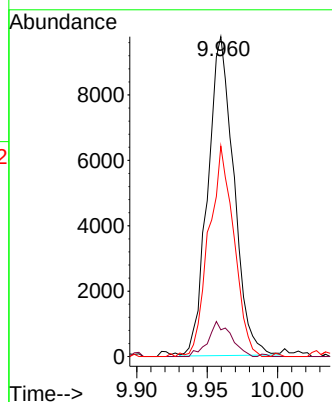
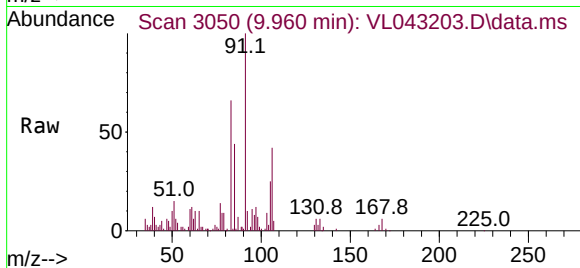
#63
1,1,2,2-Tetrachloroethane
Concen: 0.519 ppbv
RT: 9.960 min Scan# 3048
Delta R.T. 0.006 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 83 Resp: 1259
Ion Ratio Lower Upper
83 100
131 9.8 4.8 14.3
85 64.0 31.9 95.9

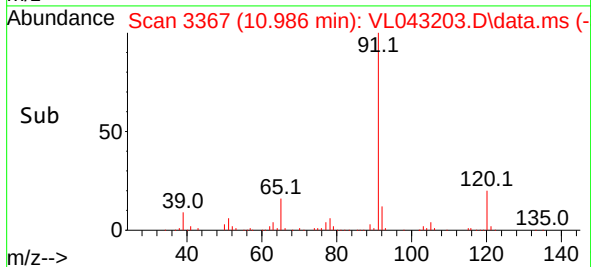
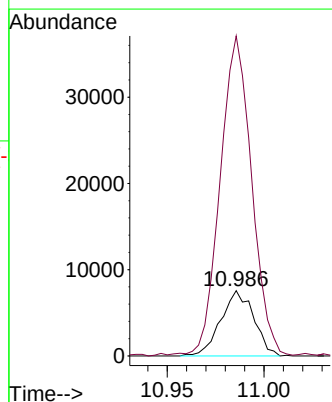
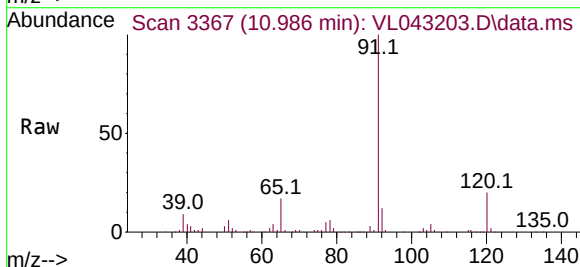
Manual Integrations
APPROVED

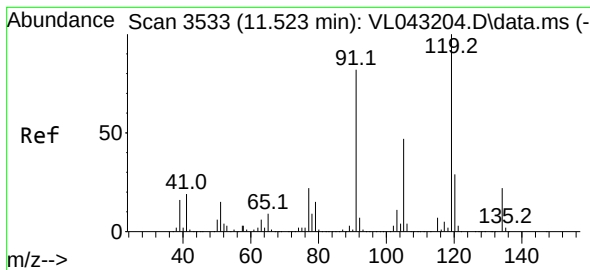
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025



#64
n-propylbenzene
Concen: 0.509 ppbv
RT: 10.986 min Scan# 3367
Delta R.T. 0.003 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

Tgt Ion:120 Resp: 8945
Ion Ratio Lower Upper
120 100
91 472.3 377.1 565.7





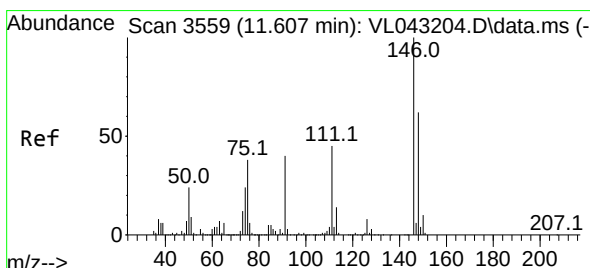
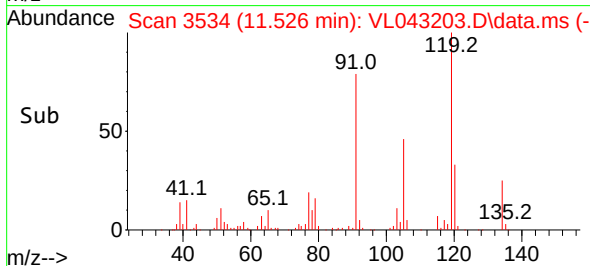
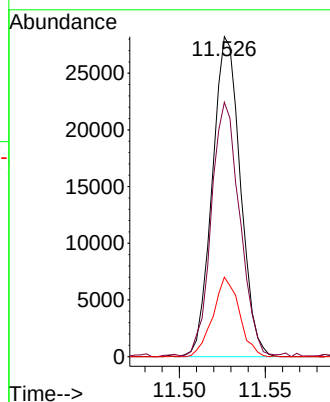
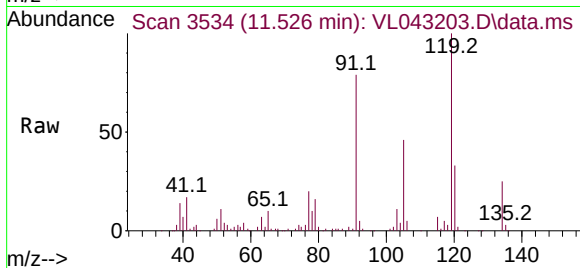
#65
tert-Butylbenzene
Concen: 0.524 ppbv
RT: 11.526 min Scan# 3533
Delta R.T. 0.003 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion:119 Resp: 31998
Ion Ratio Lower Upper
119 100
91 81.6 65.3 97.9
134 23.4 17.0 25.4

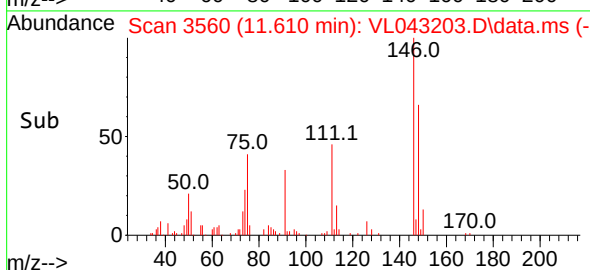
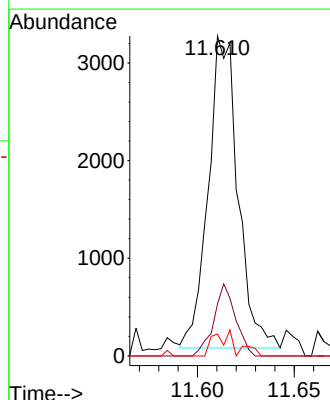
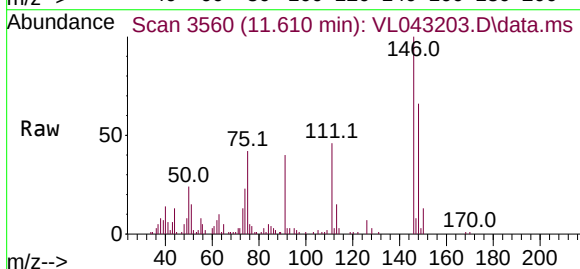
Manual Integrations
APPROVED

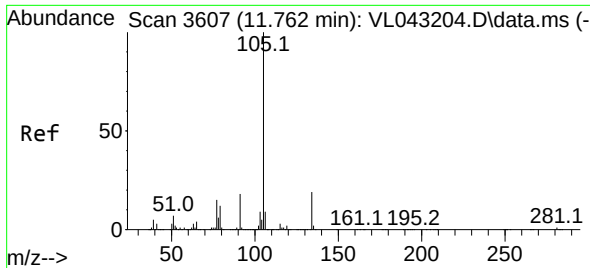
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025



#66
Benzyl Chloride
Concen: 0.550 ppbv
RT: 11.610 min Scan# 3560
Delta R.T. 0.003 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

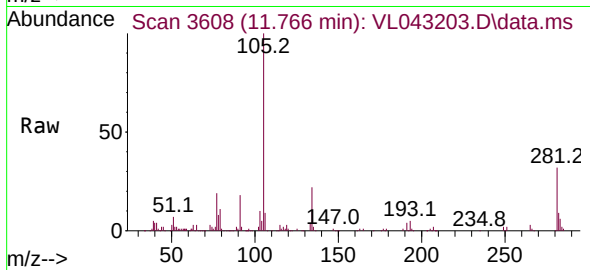
Tgt Ion: 91 Resp: 3403
Ion Ratio Lower Upper
91 100
126 16.8 14.4 21.6
128 6.1 4.6 6.8





#67
 sec-Butylbenzene
 Concen: 0.522 ppbv
 RT: 11.766 min Scan# 3608
 Delta R.T. 0.003 min
 Lab File: VL043203.D
 Acq: 18 Nov 2025 09:29

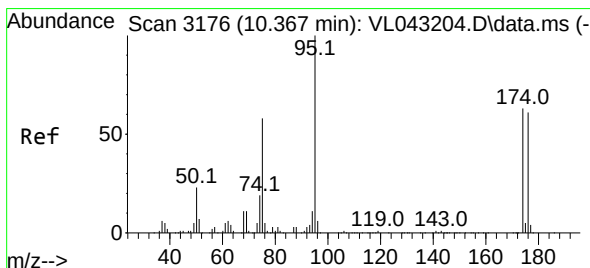
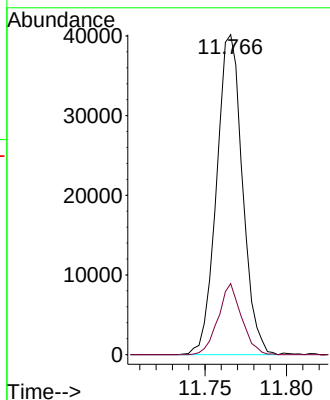
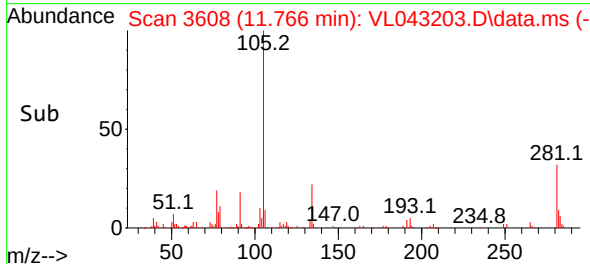
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC0.5



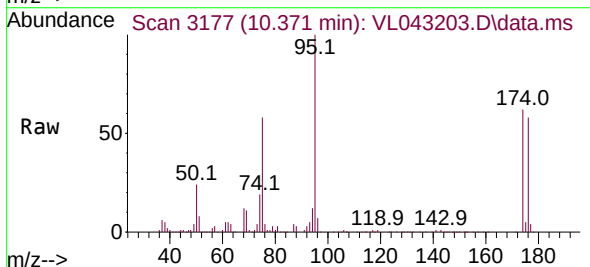
Tgt Ion:105 Resp: 44448
 Ion Ratio Lower Upper
 105 100
 134 20.0 15.0 22.6

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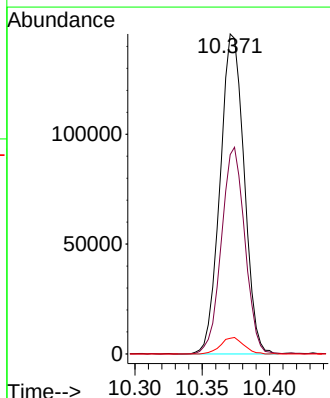
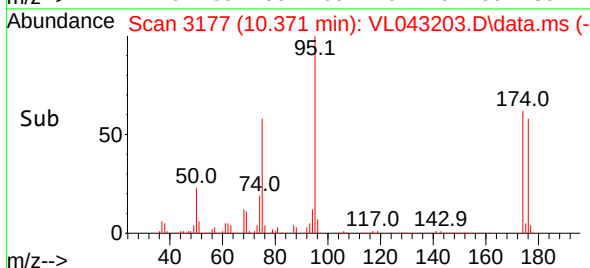
Reviewed By :Semsettin Yesilyurt 11/19/2025
 Supervised By :Mahesh Dadoda 11/19/2025

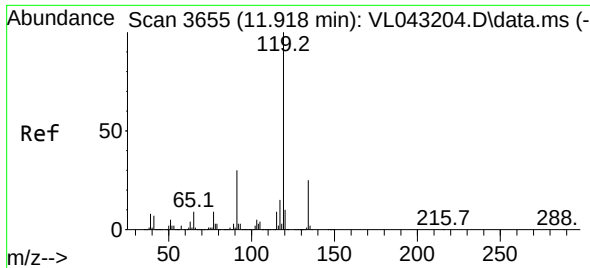


#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.941 ppbv
 RT: 10.371 min Scan# 3177
 Delta R.T. 0.003 min
 Lab File: VL043203.D
 Acq: 18 Nov 2025 09:29



Tgt Ion: 95 Resp: 180529
 Ion Ratio Lower Upper
 95 100
 174 63.2 50.2 75.2
 175 4.9 4.1 6.1





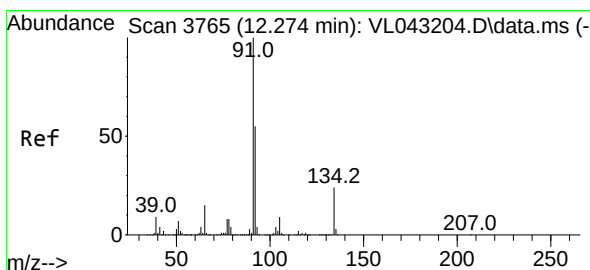
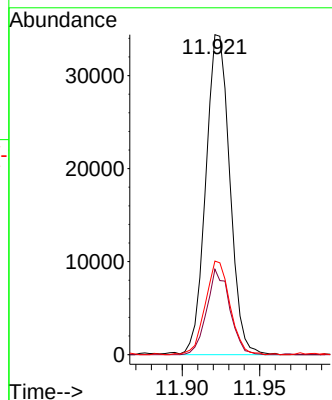
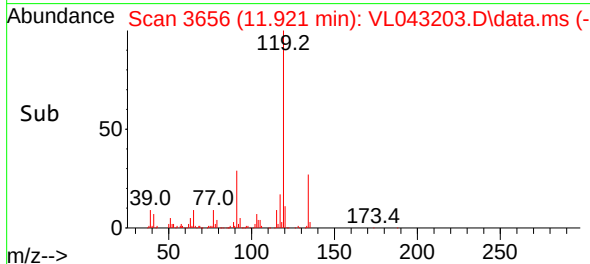
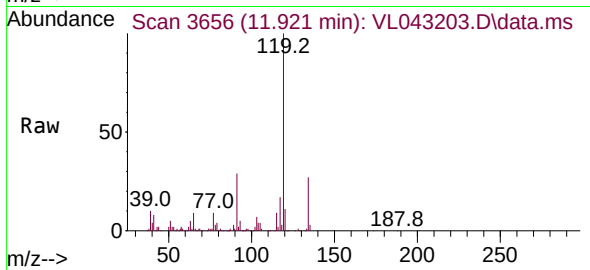
#69
p-Isopropyltoluene
Concen: 0.514 ppbv
RT: 11.921 min Scan# 3656
Delta R.T. 0.003 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion:119 Resp: 3708
Ion Ratio Lower Upper
119 100
134 25.4 20.2 30.2
91 29.9 23.8 35.8

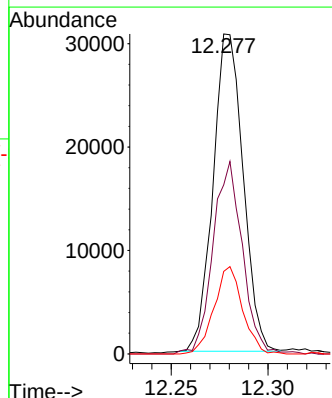
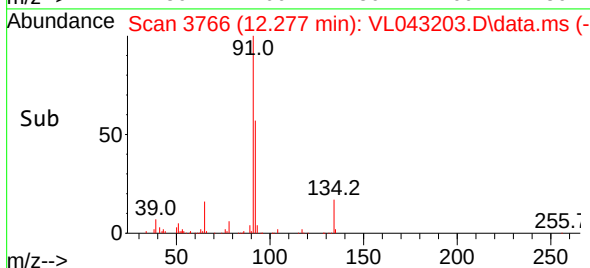
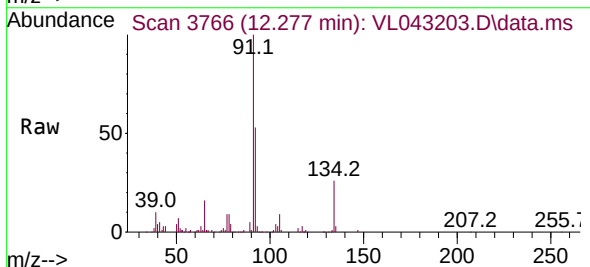
Manual Integrations
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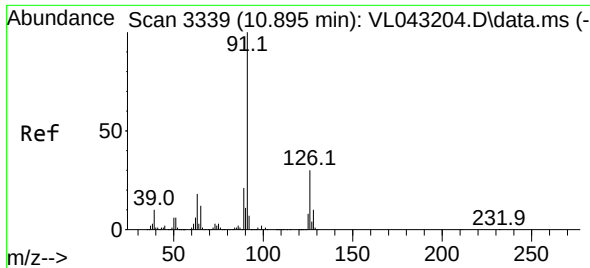
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025



#70
n-Butylbenzene
Concen: 0.474 ppbv
RT: 12.277 min Scan# 3766
Delta R.T. 0.003 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

Tgt Ion: 91 Resp: 33153
Ion Ratio Lower Upper
91 100
92 59.3 43.5 65.3
134 26.3 19.0 28.6





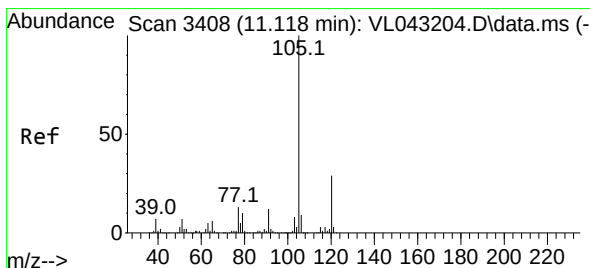
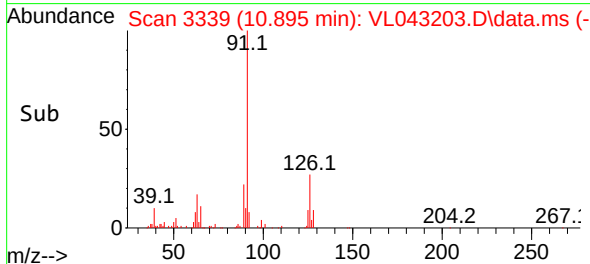
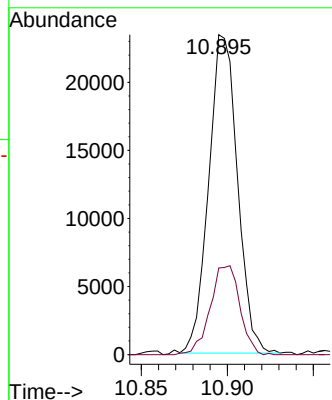
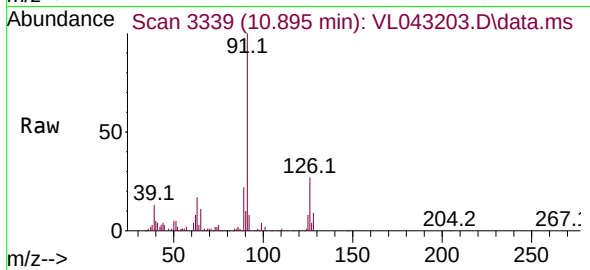
#71
2-Chlorotoluene
Concen: 0.518 ppbv
RT: 10.895 min Scan# 3339
Delta R.T. 0.000 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 91 Resp: 27224
Ion Ratio Lower Upper
91 100
126 28.6 11.7 46.7

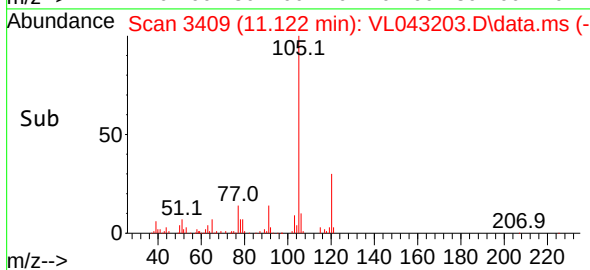
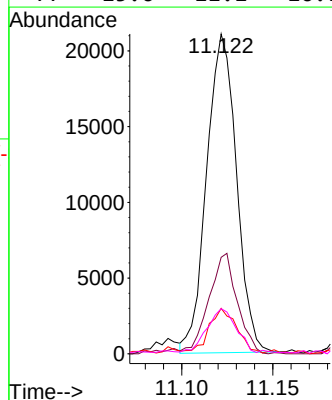
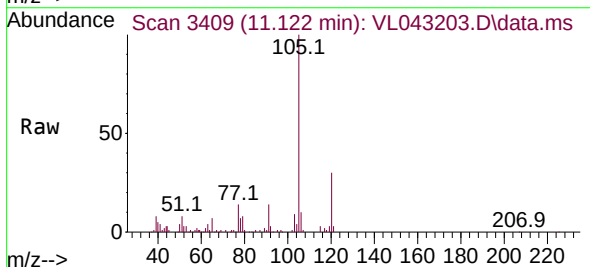
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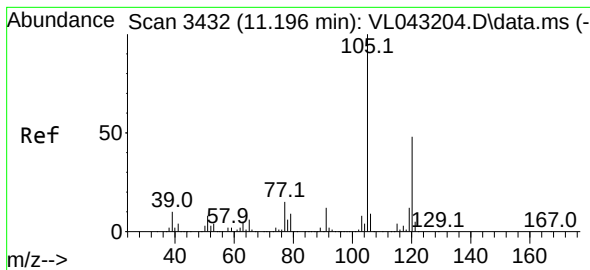
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025



#72
4-Ethyltoluene
Concen: 0.515 ppbv
RT: 11.122 min Scan# 3409
Delta R.T. 0.003 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

Tgt Ion:105 Resp: 23963
Ion Ratio Lower Upper
105 100
120 31.3 23.8 35.8
91 14.6 10.3 15.5
77 15.6 11.1 16.7





#73

1,3,5-Trimethylbenzene

Concen: 0.515 ppbv

RT: 11.199 min Scan# 3432

Delta R.T. 0.003 min

Lab File: VL043203.D

Acq: 18 Nov 2025 09:29

Instrument :

MSVOA_L

ClientSampleId :

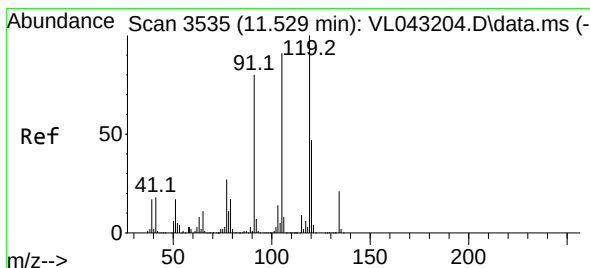
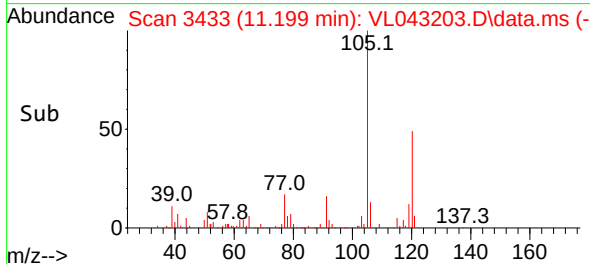
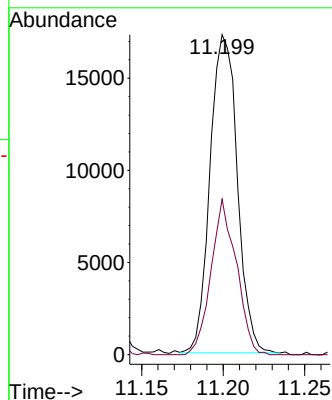
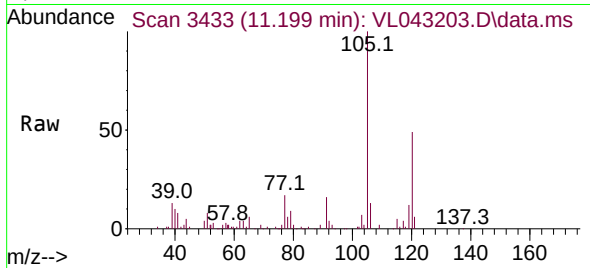
VSTDIC0.5

Tgt Ion:105 Resp: 20104
 Ion Ratio Lower Upper
 105 100
 120 48.8 38.6 57.8

Manual Integrations

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



#74

1,2,4-Trimethylbenzene

Concen: 0.522 ppbv

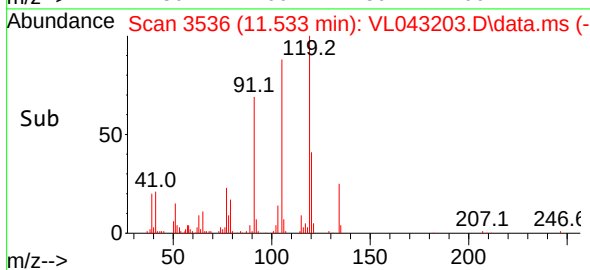
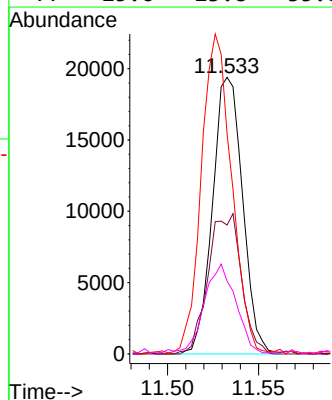
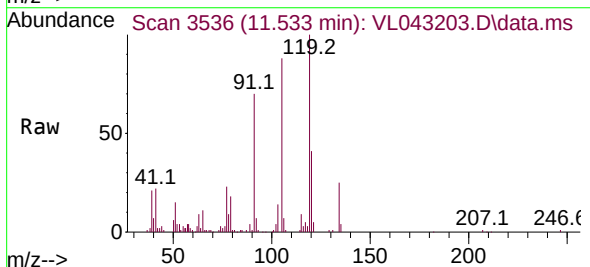
RT: 11.533 min Scan# 3536

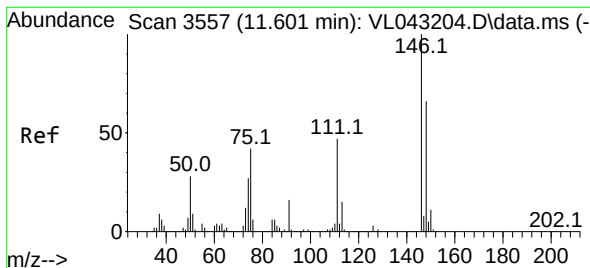
Delta R.T. 0.003 min

Lab File: VL043203.D

Acq: 18 Nov 2025 09:29

Tgt Ion:105 Resp: 22254
 Ion Ratio Lower Upper
 105 100
 120 46.6 41.7 62.5
 91 77.8 70.0 105.0
 77 25.6 23.8 35.8





#75

1,3-Dichlorobenzene

Concen: 0.520 ppbv

RT: 11.604 min Scan# 3557

Delta R.T. 0.003 min

Lab File: VL043203.D

Acq: 18 Nov 2025 09:29

Instrument :

MSVOA_L

ClientSampleId :

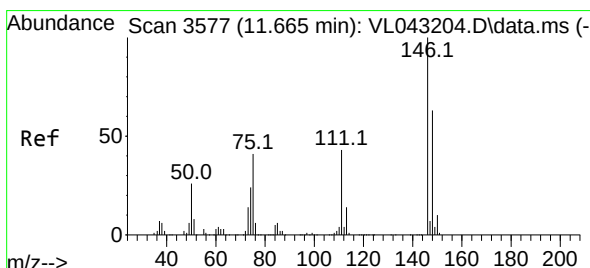
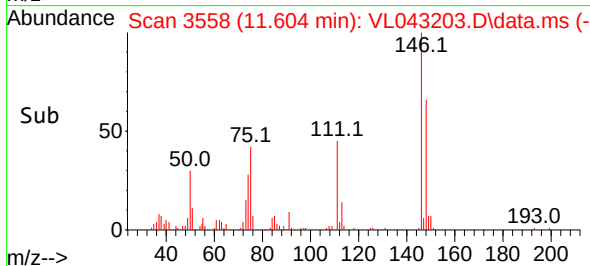
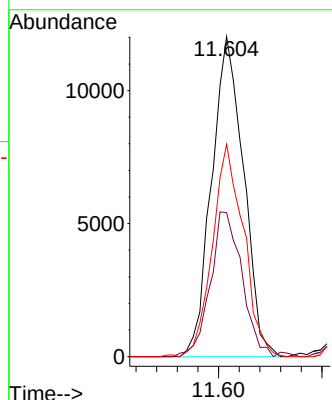
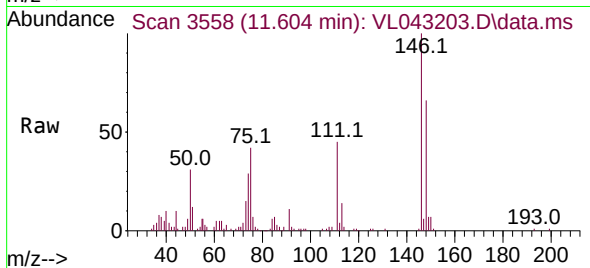
VSTDIC0.5

Tgt Ion:	146	Resp:	12926
Ion Ratio	Lower	Upper	
146	100		
111	45.1	23.4	70.3
148	64.7	31.6	95.0

Manual Integrations

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



#76

1,4-Dichlorobenzene

Concen: 0.526 ppbv

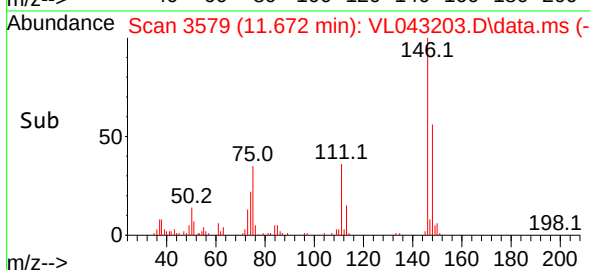
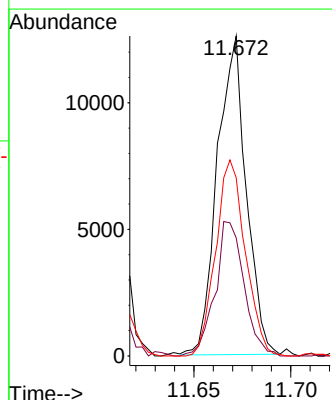
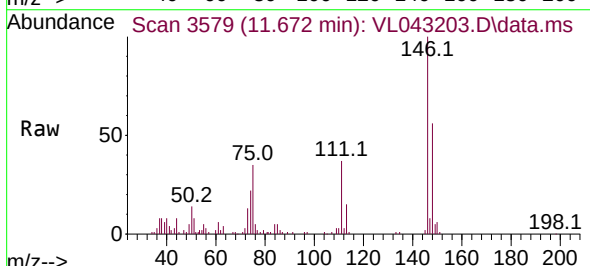
RT: 11.672 min Scan# 3579

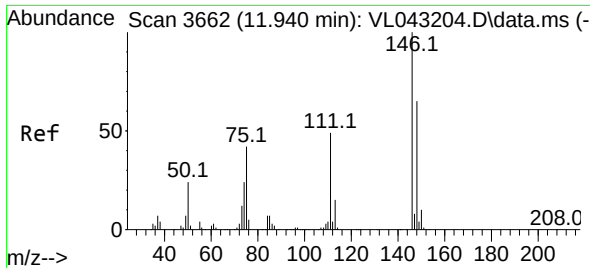
Delta R.T. 0.007 min

Lab File: VL043203.D

Acq: 18 Nov 2025 09:29

Tgt Ion:	146	Resp:	13076
Ion Ratio	Lower	Upper	
146	100		
111	42.1	22.8	68.3
148	63.8	31.8	95.4





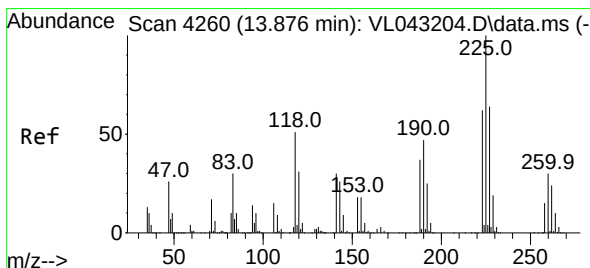
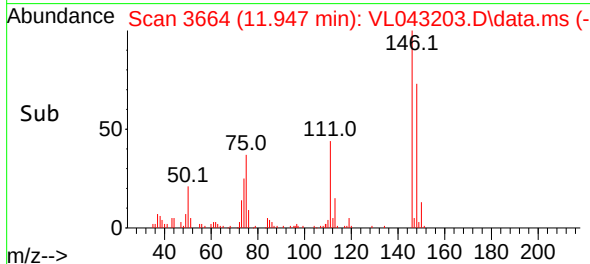
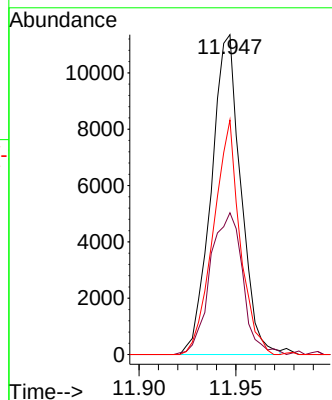
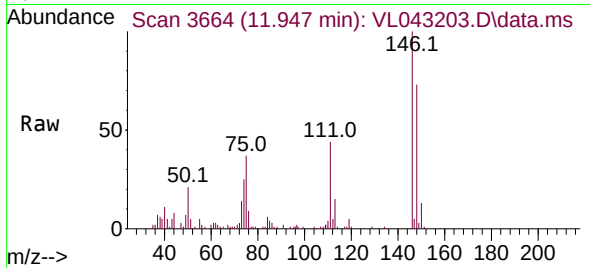
#77
1,2-Dichlorobenzene
Concen: 0.505 ppbv
RT: 11.947 min Scan# 3664
Delta R.T. 0.006 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:146 Resp: 12069
Ion Ratio Lower Upper
146 100
111 49.5 24.3 73.0
148 66.3 31.6 94.7

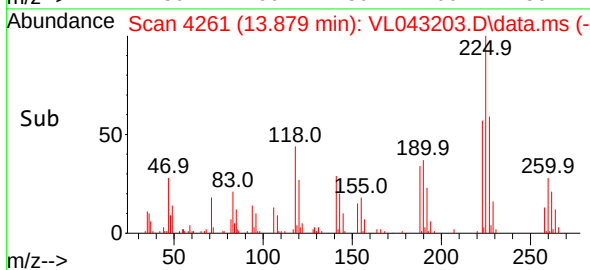
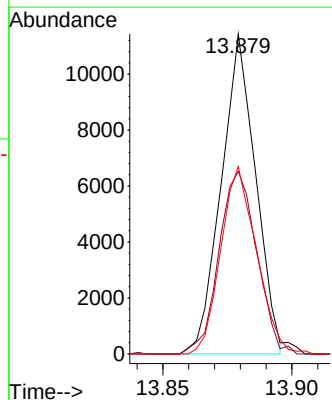
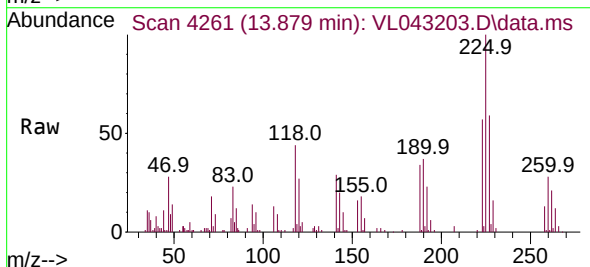
Manual Integrations
APPROVED

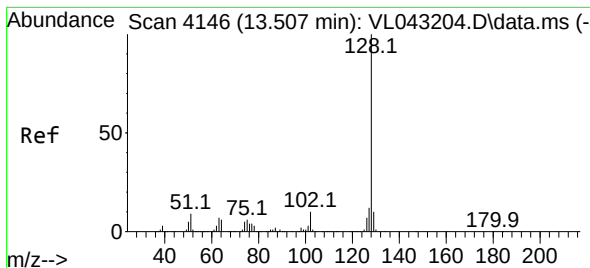
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025



#78
Hexachloro-1,3-Butadiene
Concen: 0.530 ppbv
RT: 13.879 min Scan# 4261
Delta R.T. 0.003 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

Tgt Ion:225 Resp: 10578
Ion Ratio Lower Upper
225 100
223 62.7 50.2 75.4
227 61.0 51.1 76.7





#79

Naphthalene

Concen: 0.486 ppbv

RT: 13.513 min Scan# 4146

Delta R.T. 0.007 min

Lab File: VL043203.D

Acq: 18 Nov 2025 09:29

Instrument :

MSVOA_L

ClientSampleId :

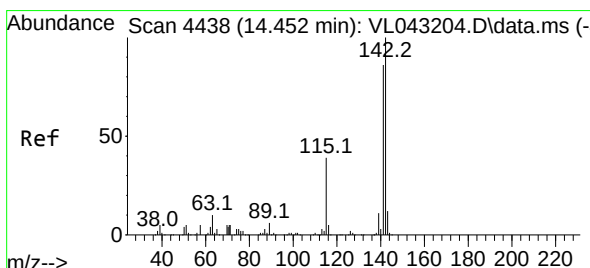
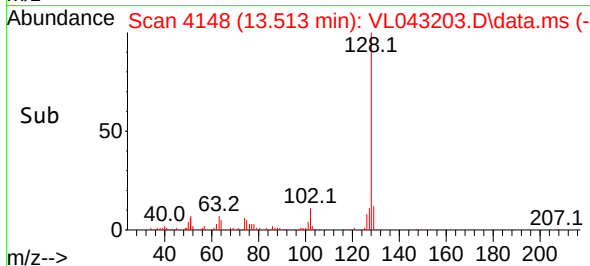
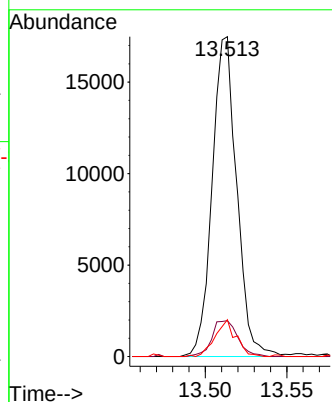
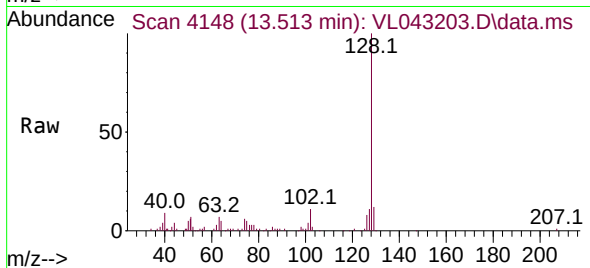
VSTDICC0.5

Tgt Ion:	128	Resp:	1837
Ion Ratio	Lower	Upper	
128	100		
127	11.2	9.9	14.9
129	11.5	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: 0.495 ppbv

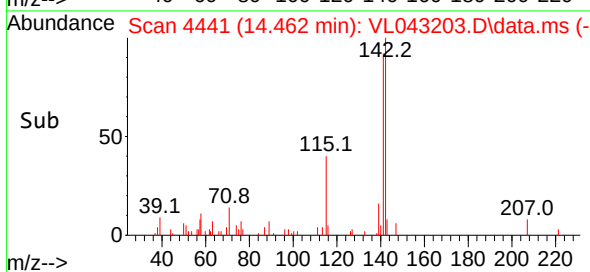
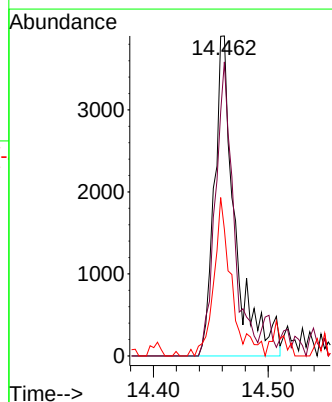
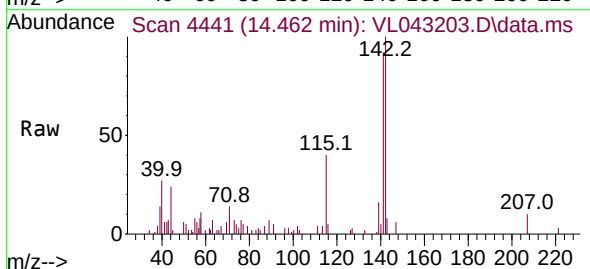
RT: 14.462 min Scan# 4441

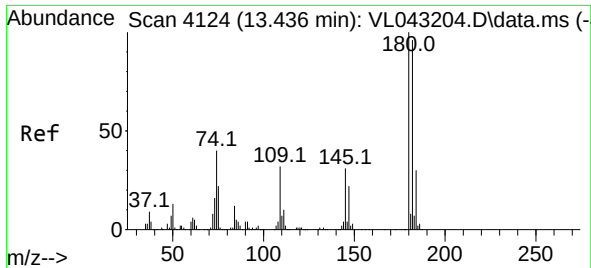
Delta R.T. 0.010 min

Lab File: VL043203.D

Acq: 18 Nov 2025 09:29

Tgt Ion:	142	Resp:	4917
Ion Ratio	Lower	Upper	
142	100		
141	90.2	67.1	100.7
115	47.3	31.9	47.9





#81

1,2,4-Trichlorobenzene

Concen: 0.402 ppbv

RT: 13.439 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL043203.D

Acq: 18 Nov 2025 09:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.5

Tgt Ion:180 Resp: 6798

Ion Ratio Lower Upper

180 100

182 95.7 77.4 116.2

184 34.3 24.2 36.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/19/2025

Supervised By :Mahesh Dadoda 11/19/2025

