

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111825\
 Data File : VL043210.D
 Acq On : 18 Nov 2025 13:24
 Operator : SY/MD
 Sample : VSTDICC015
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC015

Manual Integrations
 APPROVED

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

Quant Time: Nov 19 00:53:26 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	98968	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.952	114	258461	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.872	117	211247	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.367	95	159814	10.321	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	= 103.200%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.499	85	197987	14.184	ppbv	99
3) Chlorodifluoromethane	1.476	51	182813	13.317	ppbv	98
4) Chloromethane	1.531	50	72636	13.918	ppbv	97
5) Vinyl Chloride	1.580	62	71671	12.557	ppbv	96
6) Bromomethane	1.667	94	38265	13.830	ppbv	98
7) Chloroethane	1.703	64	29584	13.309	ppbv	98
8) Dichlorotetrafluoroethane	1.554	85	165709	14.271	ppbv	97
9) Propene	1.483	41	81393m	12.782	ppbv	
10) Heptane	4.972	43	225935	12.934	ppbv	100
11) Trichlorofluoromethane	1.874	101	200703	14.840	ppbv	96
12) 1,1,2-Trichlorotrifluo...	2.137	101	152772	14.469	ppbv	98
13) Ethanol	1.719	45	25468	12.425	ppbv	99
14) Bromoethene	1.781	108	55813	13.789	ppbv	96
15) Acetone	1.832	43	161036	11.712	ppbv	99
16) 1,3-Butadiene	1.609	39	81077	13.226	ppbv	99
17) tert-Butyl alcohol	2.036	59	257617	14.274	ppbv	99
18) 1,1-Dichloroethene	2.033	96	65731	13.370	ppbv	96
19) Isopropyl Alcohol	1.881	45	105271	13.549	ppbv	99
20) Methylene Chloride	2.059	84	59798	15.164	ppbv	93
21) Allyl Chloride	2.094	41	126959	13.724	ppbv	96
22) trans-1,2-Dichloroethene	2.337	96	77386	13.772	ppbv	94
23) Vinyl Acetate	2.457	43	232315	13.995	ppbv	99
24) 1,1-Dichloroethane	2.405	63	155017	14.292	ppbv	98
25) Ethyl Acetate	2.829	43	394074	13.265	ppbv	99
26) Hexane	2.823	57	172303	13.252	ppbv	97
27) Carbon Disulfide	2.150	76	191612	14.435	ppbv	97
28) Methyl tert-Butyl Ether	2.434	73	91132	14.279	ppbv	97
29) Chloroform	2.845	83	262803	14.221	ppbv	100
30) Cyclohexane	3.852	84	152015	13.946	ppbv	94
31) cis-1,2-Dichloroethene	2.716	61	180647	13.978	ppbv	98
32) 1,1,1-Trichloroethane	3.363	97	276915	13.930	ppbv	98
34) 2-Butanone	2.551	43	253855	13.914	ppbv	100
35) Carbon Tetrachloride	3.755	117	279560	14.250	ppbv	96
36) Benzene	3.651	78	348892	14.096	ppbv	99
37) 1,2-Dichloroethane	3.214	62	214248	14.798	ppbv	98
38) Trichloroethene	4.541	130	137027	14.123	ppbv	93
39) 1,2-Dichloropropane	4.302	63	128700	14.206	ppbv	98
40) 1,4-Dioxane	4.571	88	55905	13.728	ppbv #	95
41) Tetrahydrofuran	3.043	42	139722	13.868	ppbv	99
42) Bromodichloromethane	4.480	83	294008	14.721	ppbv	97
43) Methyl Methacrylate	4.872	69	179110	13.633	ppbv	100
44) 2,2,4-Trimethylpentane	4.632	57	595778	14.014	ppbv	99
45) t-1,3-Dichloropropene	6.406	75	177678	14.508	ppbv	100

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

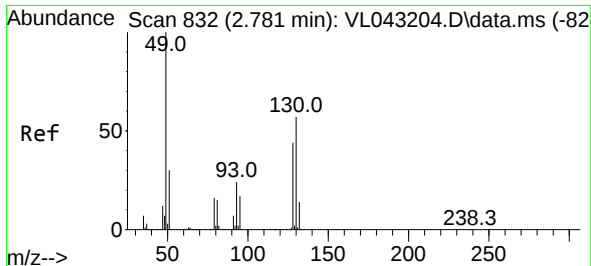
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

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	5.587	75	205226	14.270	ppbv	100
47) 1,1,2-Trichloroethane	6.571	97	132701	13.738	ppbv	92
48) Dibromochloromethane	7.377	129	240736	14.564	ppbv	99
49) Bromoform	9.477	173	211325	14.434	ppbv	99
50) 4-Methyl-2-Pentanone	5.732	43	354421	13.790	ppbv	99
51) 2-Hexanone	7.422	43	280742	14.067	ppbv #	100
52) Tetrachloroethene	8.218	164	125132	13.591	ppbv	93
53) Toluene	6.924	91	414411	14.050	ppbv	99
54) 1,2-Dibromoethane	7.642	107	203913	14.413	ppbv	99
56) 1,1,1,2-Tetrachloroethane	8.917	131	214673	13.827	ppbv	99
57) Chlorobenzene	8.914	112	301986	13.923	ppbv	98
58) Ethyl Benzene	9.348	91	579890	14.262	ppbv	99
59) m/p-Xylene	9.545	91	916113m	28.000	ppbv	
60) o-Xylene	9.956	91	450260	13.826	ppbv	99
61) Styrene	9.862	104	204972	14.382	ppbv	99
62) Isopropylbenzene	10.532	105	803487	13.791	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.956	83	280254	13.557	ppbv	99
64) n-propylbenzene	10.986	120	205637	13.737	ppbv	100
65) tert-Butylbenzene	11.526	119	689352	13.249	ppbv	98
66) Benzyl Chloride	11.610	91	71386	13.520	ppbv	100
67) sec-Butylbenzene	11.762	105	972780	13.394	ppbv	100
69) p-Isopropyltoluene	11.921	119	836888	13.602	ppbv	99
70) n-Butylbenzene	12.277	91	838598	14.050	ppbv	99
71) 2-Chlorotoluene	10.895	91	625884	13.976	ppbv	100
72) 4-Ethyltoluene	11.121	105	553654	13.961	ppbv	99
73) 1,3,5-Trimethylbenzene	11.199	105	460783	13.846	ppbv	97
74) 1,2,4-Trimethylbenzene	11.533	105	486995	13.409	ppbv	97
75) 1,3-Dichlorobenzene	11.604	146	292143	13.784	ppbv	99
76) 1,4-Dichlorobenzene	11.668	146	294723	13.903	ppbv	99
77) 1,2-Dichlorobenzene	11.944	146	273467	13.420	ppbv	98
78) Hexachloro-1,3-Butadiene	13.876	225	211153	12.416	ppbv	99
79) Naphthalene	13.510	128	473229	14.670	ppbv	99
80) Naphthalene,2-methyl-	14.452	142	139019	16.418	ppbv	99
81) 1,2,4-Trichlorobenzene	13.436	180	216260	14.990	ppbv	99

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



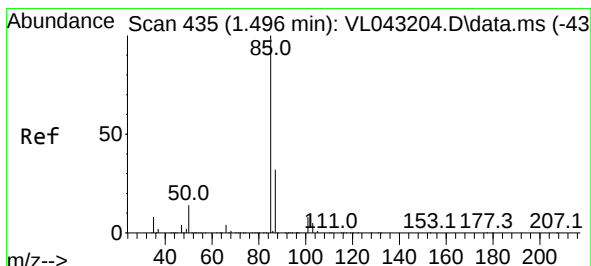
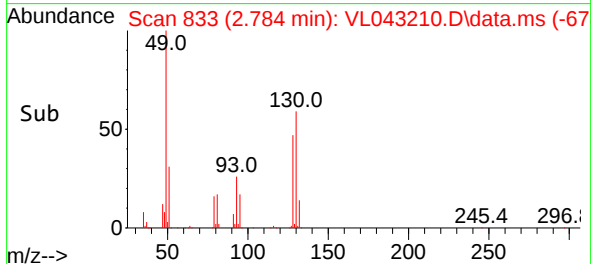
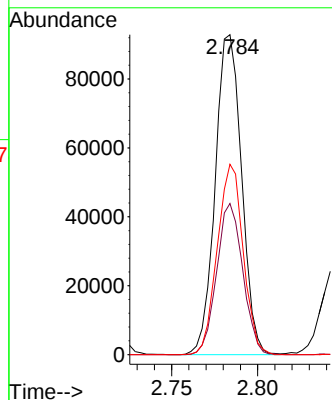
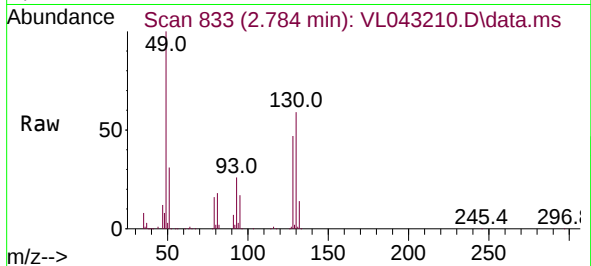
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.784 min Scan# 832
Delta R.T. 0.003 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 49 Resp: 98968
Ion Ratio Lower Upper
49 100
128 46.7 23.0 69.0
130 58.4 29.9 89.7

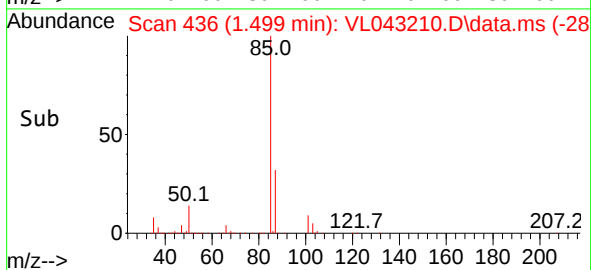
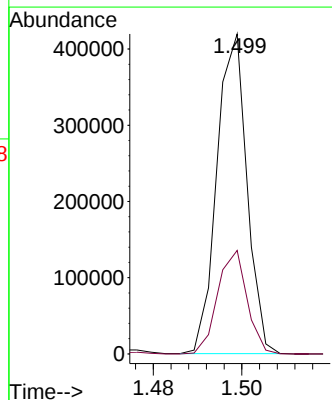
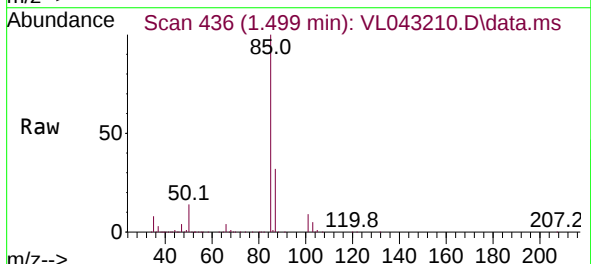
Manual Integrations
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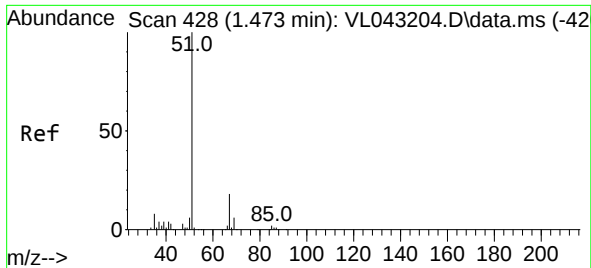
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025



#2
Dichlorodifluoromethane
Concen: 14.184 ppbv
RT: 1.499 min Scan# 436
Delta R.T. 0.003 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

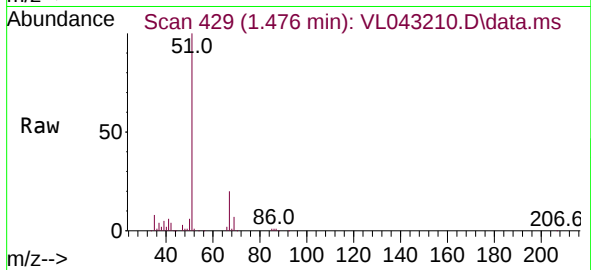
Tgt Ion: 85 Resp: 197987
Ion Ratio Lower Upper
85 100
87 32.4 25.4 38.2





#3
Chlorodifluoromethane
Concen: 13.317 ppbv
RT: 1.476 min Scan# 428
Delta R.T. 0.003 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

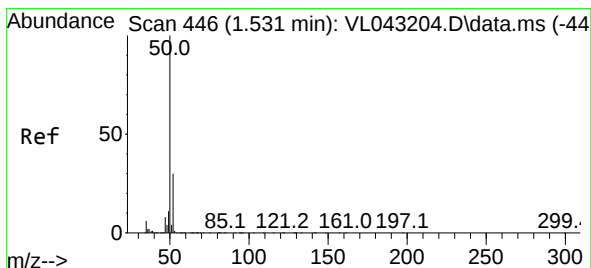
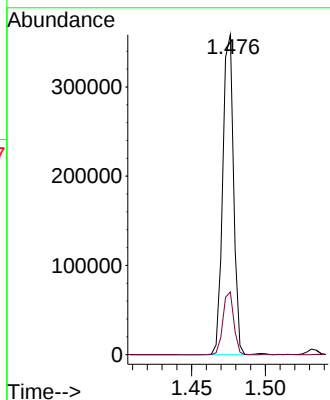
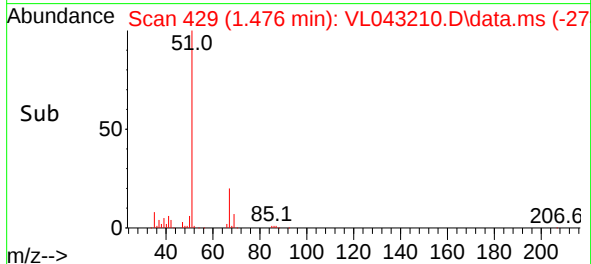
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015



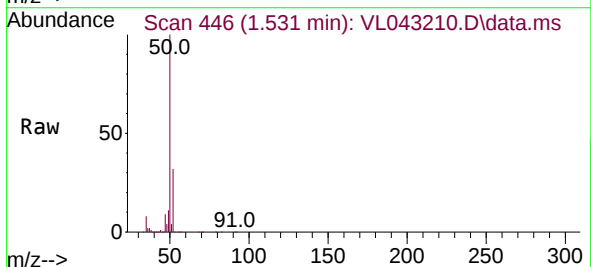
Tgt Ion: 51 Resp: 182813
Ion Ratio Lower Upper
51 100
67 19.7 14.9 22.3

Manual Integrations
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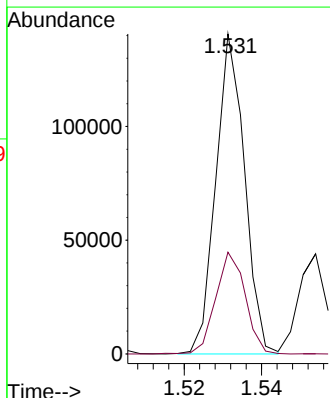
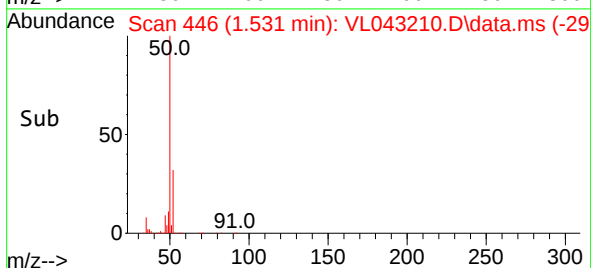
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Supervised By :Mahesh Dadoda 11/19/2025

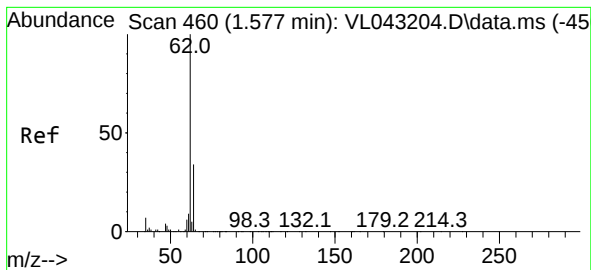


#4
Chloromethane
Concen: 13.918 ppbv
RT: 1.531 min Scan# 446
Delta R.T. -0.000 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24



Tgt Ion: 50 Resp: 72636
Ion Ratio Lower Upper
50 100
52 31.7 24.1 36.1





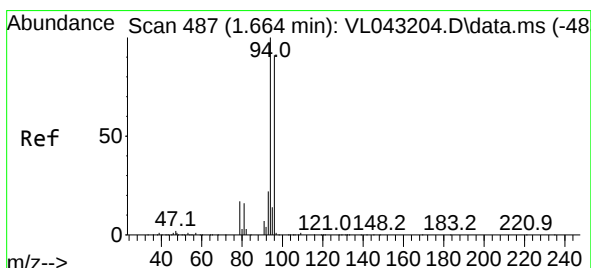
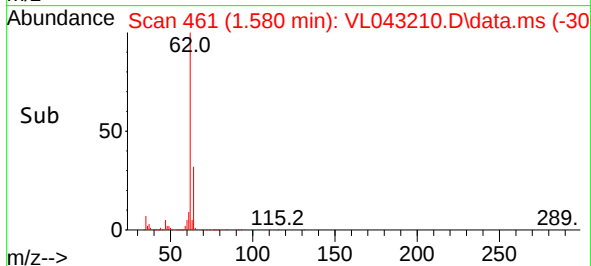
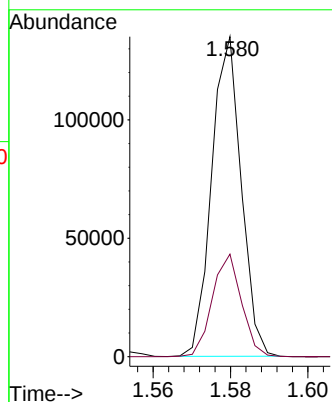
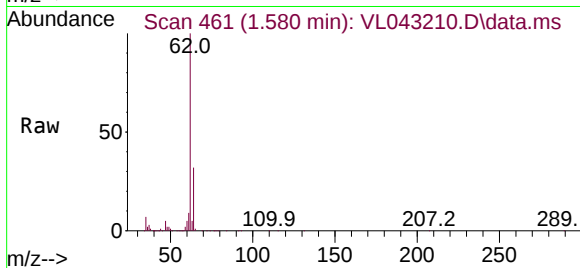
#5
 Vinyl Chloride
 Concen: 12.557 ppbv
 RT: 1.580 min Scan# 461
 Delta R.T. 0.003 min
 Lab File: VL043210.D
 Acq: 18 Nov 2025 13:24

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tgt Ion: 62 Resp: 7167
 Ion Ratio Lower Upper
 62 100
 64 32.0 27.3 40.9

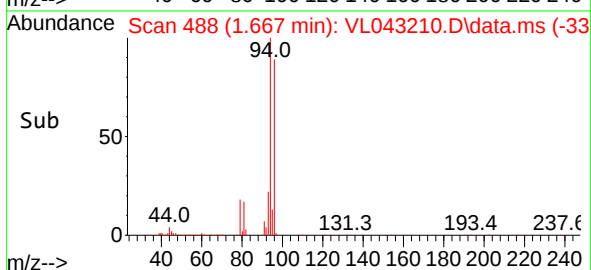
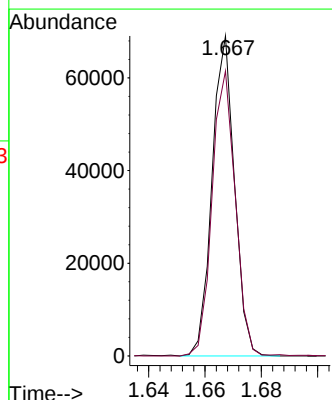
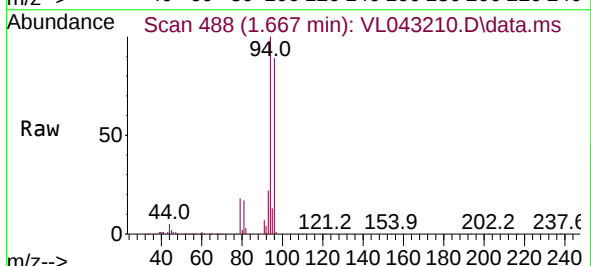
Manual Integrations
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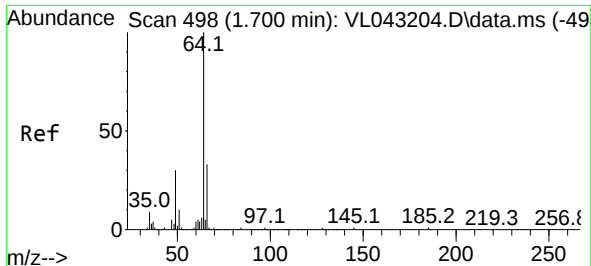
Reviewed By :Semsettin Yesilyurt 11/19/2025
 Supervised By :Mahesh Dadoda 11/19/2025



#6
 Bromomethane
 Concen: 13.830 ppbv
 RT: 1.667 min Scan# 488
 Delta R.T. 0.003 min
 Lab File: VL043210.D
 Acq: 18 Nov 2025 13:24

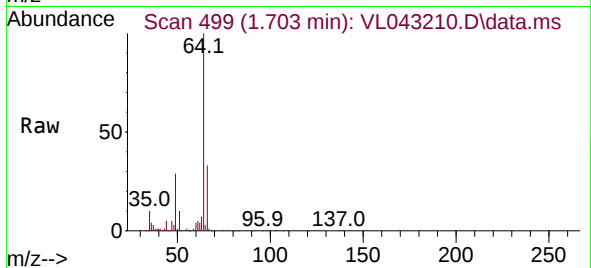
Tgt Ion: 94 Resp: 38265
 Ion Ratio Lower Upper
 94 100
 96 89.0 72.9 109.3





#7
Chloroethane
Concen: 13.309 ppbv
RT: 1.703 min Scan# 499
Delta R.T. 0.003 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

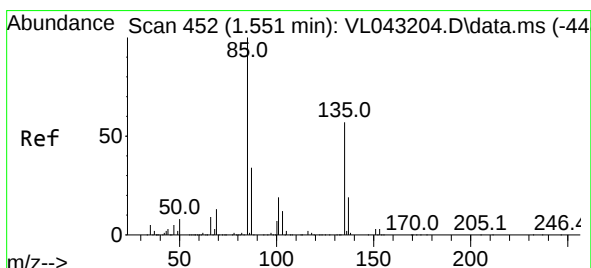
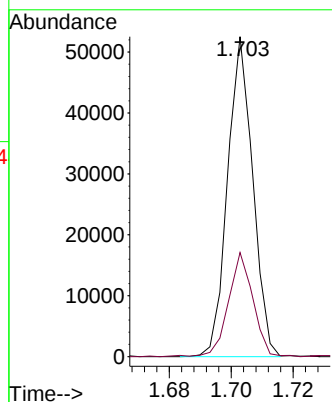
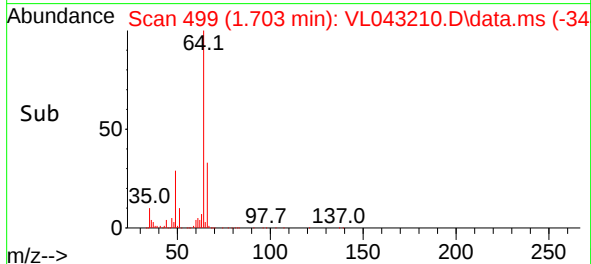
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



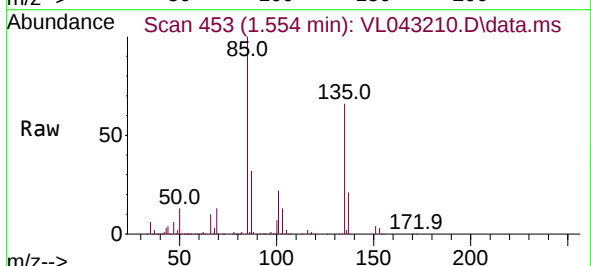
Tgt Ion: 64 Resp: 29584
Ion Ratio Lower Upper
64 100
66 32.6 26.8 40.2

Manual Integrations
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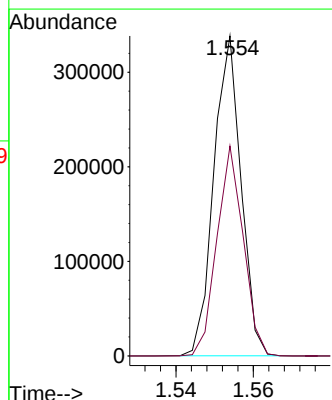
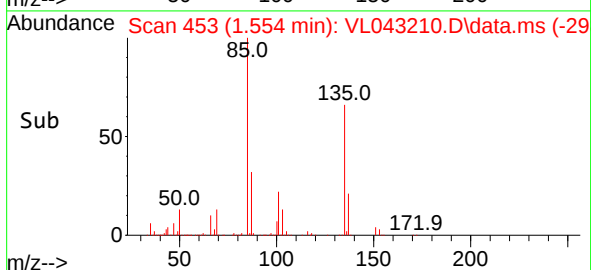
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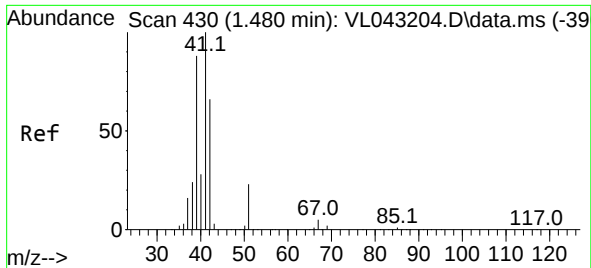


#8
Dichlorotetrafluoroethane
Concen: 14.271 ppbv
RT: 1.554 min Scan# 453
Delta R.T. 0.003 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24



Tgt Ion: 85 Resp: 165709
Ion Ratio Lower Upper
85 100
135 63.7 52.6 79.0





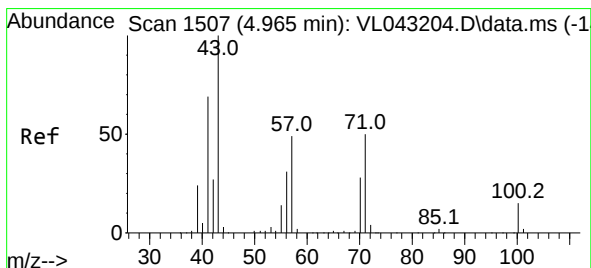
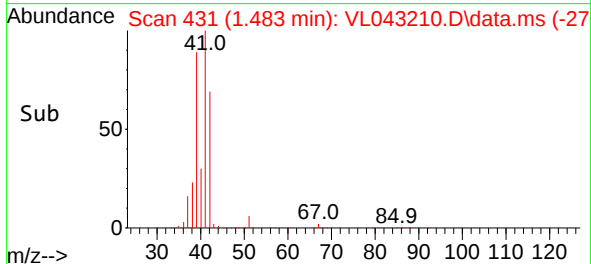
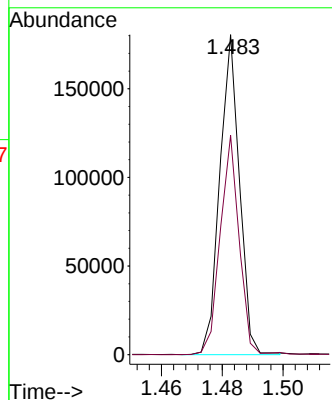
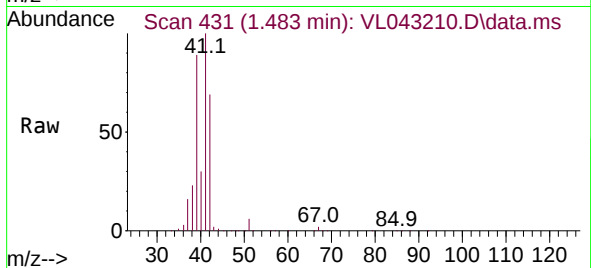
#9
 Propene
 Concen: 12.782 ppbv m
 RT: 1.483 min Scan# 431
 Delta R.T. 0.003 min
 Lab File: VL043210.D
 Acq: 18 Nov 2025 13:24

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tgt Ion: 41 Resp: 81393
 Ion Ratio Lower Upper
 41 100
 42 4.8 3.7 5.5

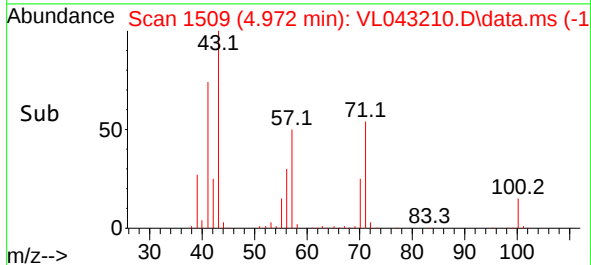
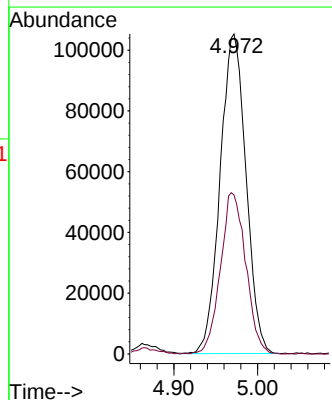
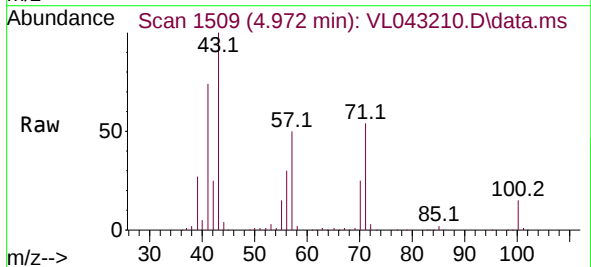
Manual Integrations
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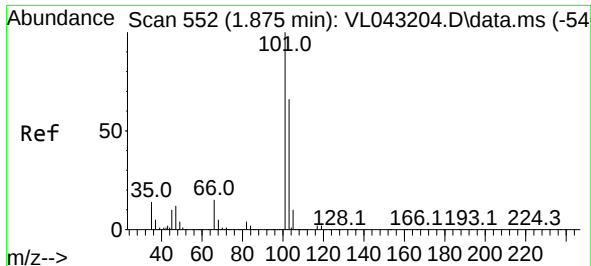
Reviewed By :Semsettin Yesilyurt 11/19/2025
 Supervised By :Mahesh Dadoda 11/19/2025



#10
 Heptane
 Concen: 12.934 ppbv
 RT: 4.972 min Scan# 1509
 Delta R.T. 0.006 min
 Lab File: VL043210.D
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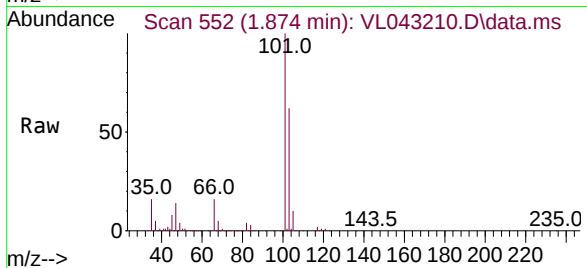
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 Ion Ratio Lower Upper
 43 100
 57 49.4 39.7 59.5





#11
Trichlorofluoromethane
Concen: 14.840 ppbv
RT: 1.874 min Scan# 552
Delta R.T. -0.000 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

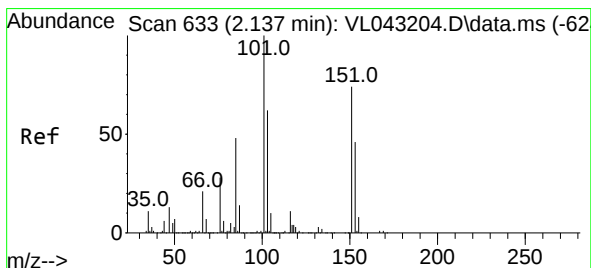
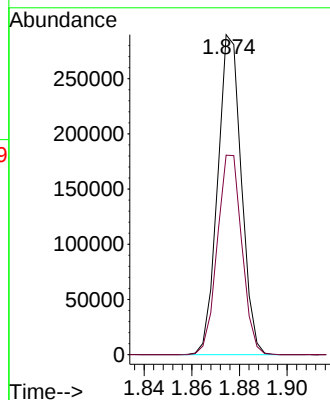
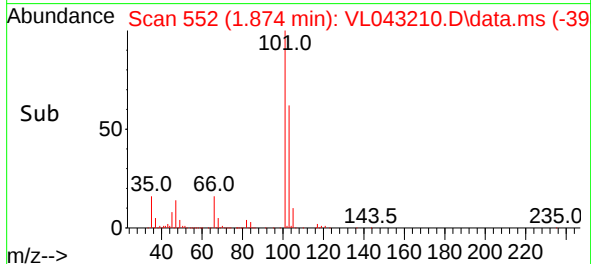
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



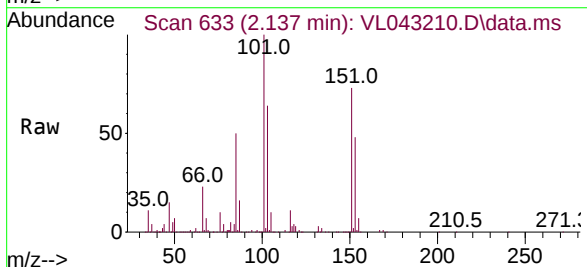
Tgt Ion:101 Resp: 200703
Ion Ratio Lower Upper
101 100
103 62.3 52.6 79.0

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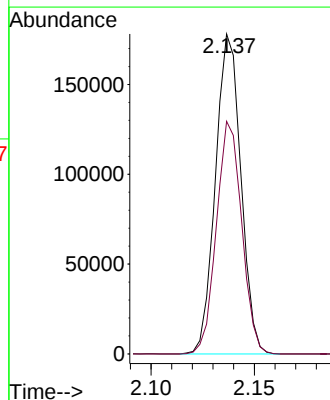
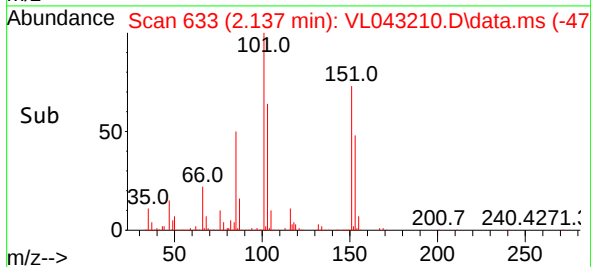
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

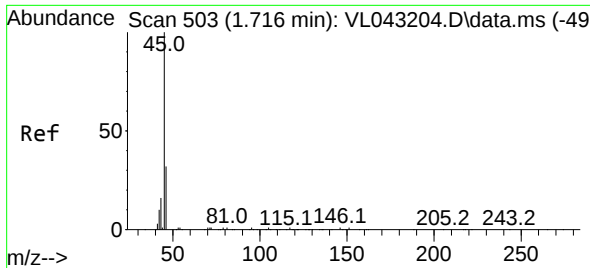


#12
1,1,2-Trichlorotrifluoroethane
Concen: 14.469 ppbv
RT: 2.137 min Scan# 633
Delta R.T. -0.000 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24



Tgt Ion:101 Resp: 152772
Ion Ratio Lower Upper
101 100
151 72.3 59.2 88.8





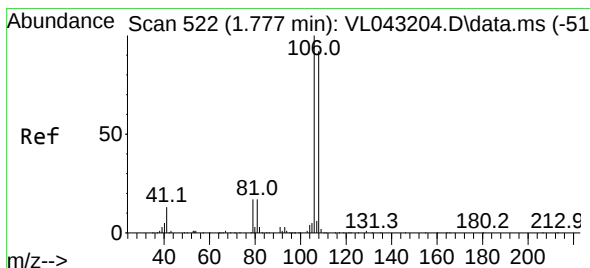
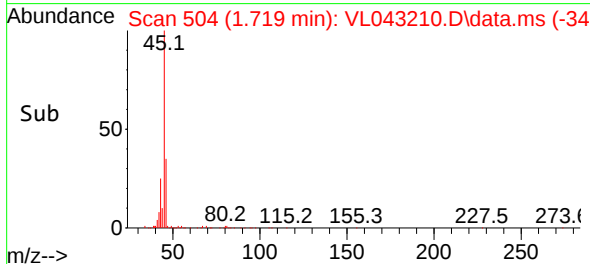
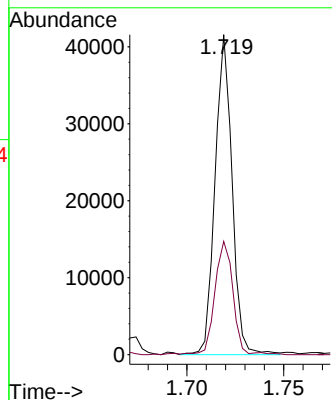
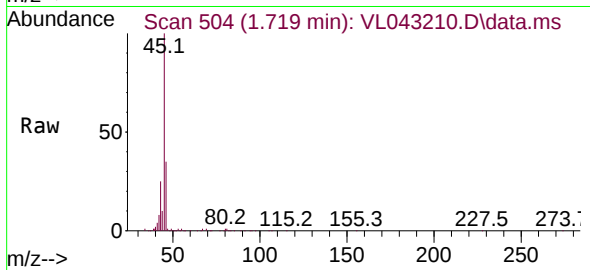
#13
Ethanol
Concen: 12.425 ppbv
RT: 1.719 min Scan# 503
Delta R.T. 0.003 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 45 Resp: 25468
Ion Ratio Lower Upper
45 100
46 37.9 15.0 59.8

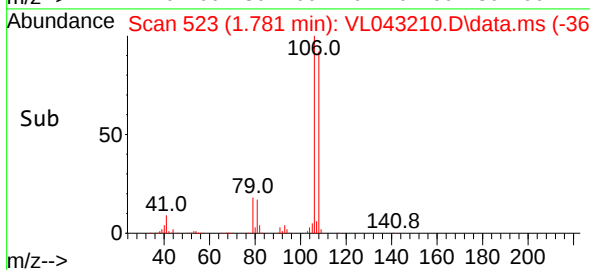
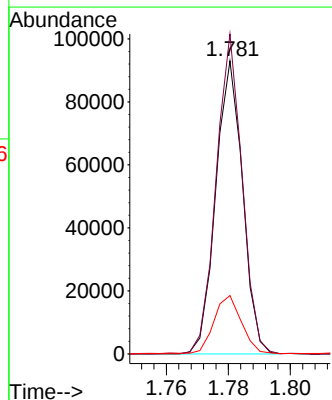
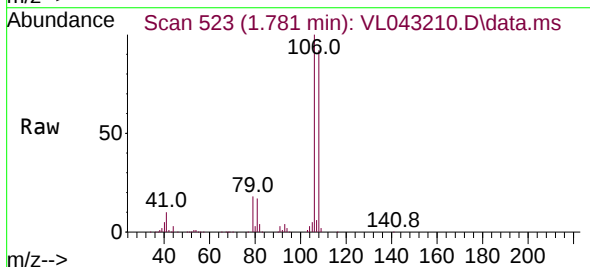
Manual Integrations
APPROVED

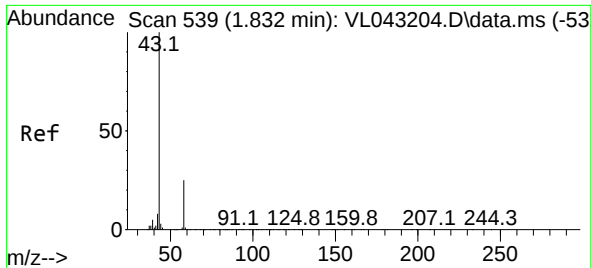
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025



#14
Bromoethene
Concen: 13.789 ppbv
RT: 1.781 min Scan# 523
Delta R.T. 0.003 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

Tgt Ion:108 Resp: 55813
Ion Ratio Lower Upper
108 100
106 105.8 88.9 133.3
79 20.6 16.5 24.7





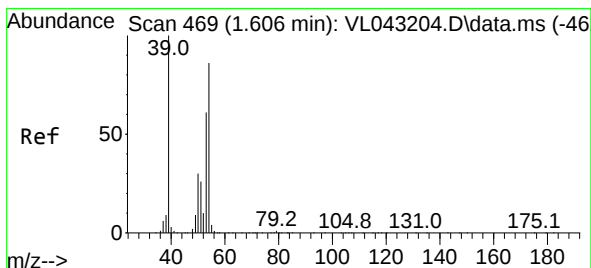
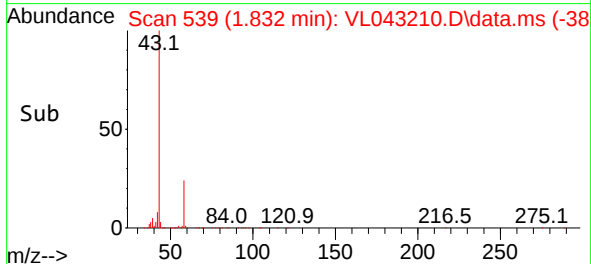
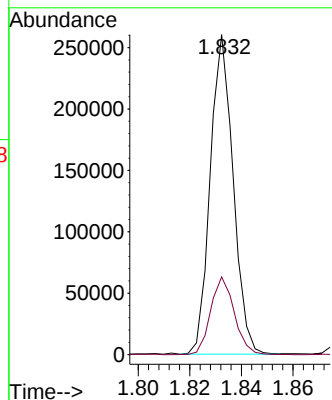
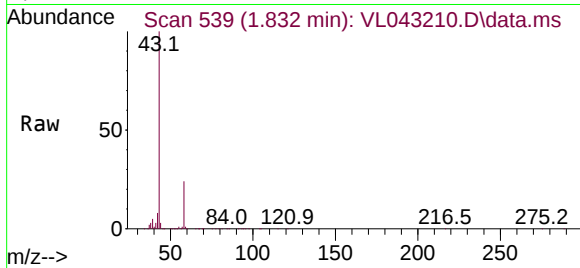
#15
Acetone
Concen: 11.712 ppbv
RT: 1.832 min Scan# 539
Delta R.T. -0.000 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 43 Resp: 161036
Ion Ratio Lower Upper
43 100
58 25.1 20.7 31.1

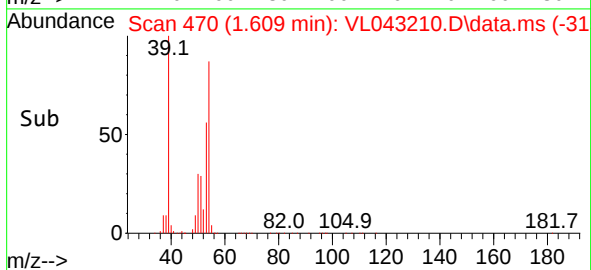
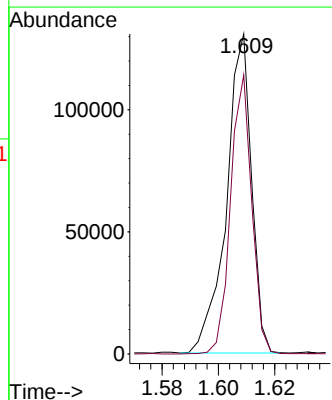
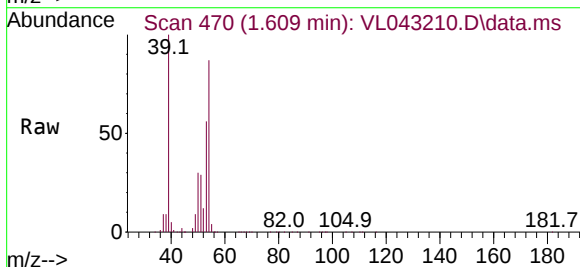
Manual Integrations
APPROVED

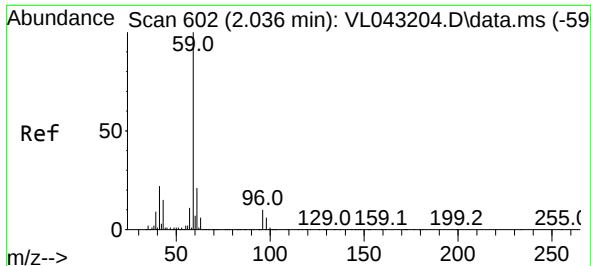
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025



#16
1,3-Butadiene
Concen: 13.226 ppbv
RT: 1.609 min Scan# 470
Delta R.T. 0.003 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

Tgt Ion: 39 Resp: 81077
Ion Ratio Lower Upper
39 100
54 73.5 59.4 89.2





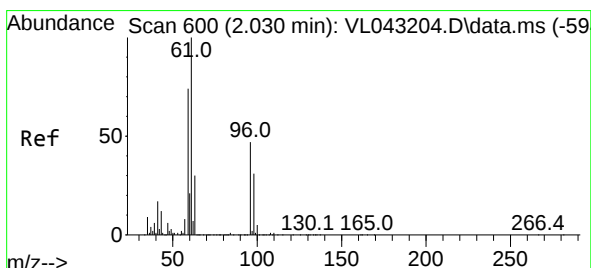
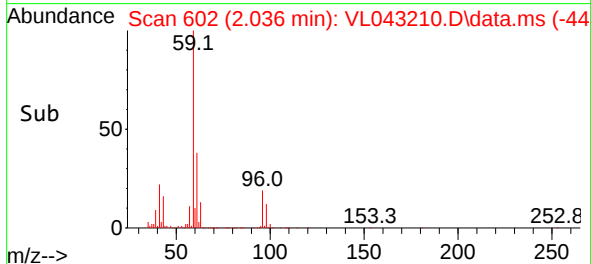
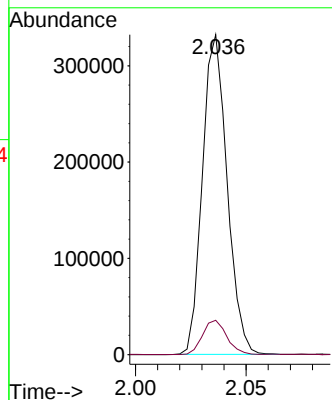
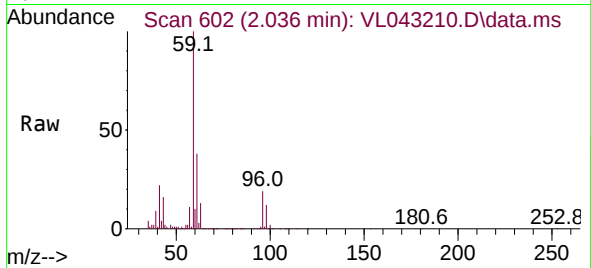
#17
tert-Butyl alcohol
Concen: 14.274 ppbv
RT: 2.036 min Scan# 601
Delta R.T. -0.000 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tgt Ion: 59 Resp: 25761
Ion Ratio Lower Upper
59 100
57 10.9 9.0 13.4

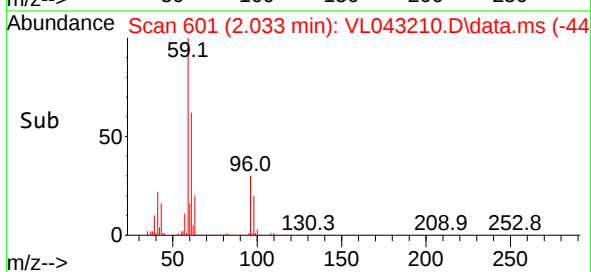
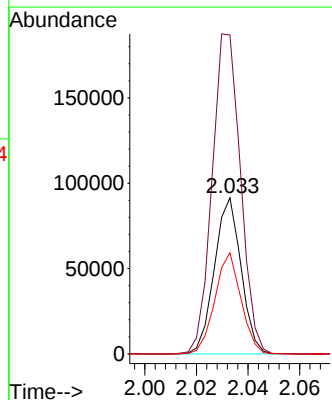
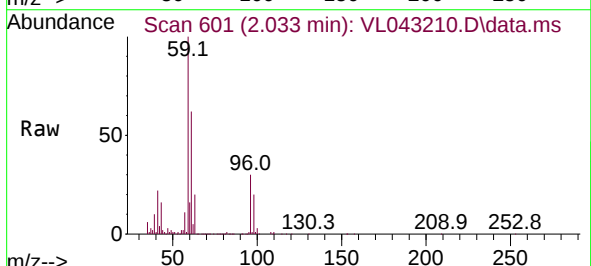
Manual Integrations
APPROVED

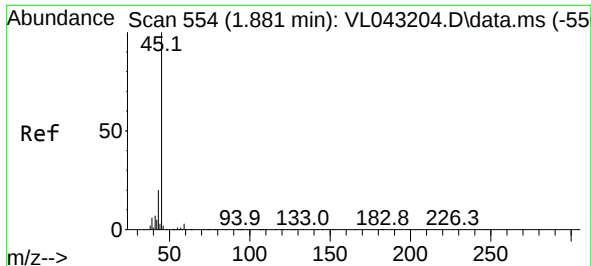
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025



#18
1,1-Dichloroethene
Concen: 13.370 ppbv
RT: 2.033 min Scan# 601
Delta R.T. 0.003 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

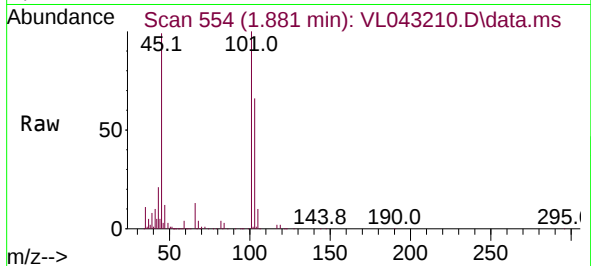
Tgt Ion: 96 Resp: 65731
Ion Ratio Lower Upper
96 100
61 204.3 170.6 255.8
98 64.7 52.2 78.4





#19
Isopropyl Alcohol
Concen: 13.549 ppbv
RT: 1.881 min Scan# 554
Delta R.T. -0.000 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

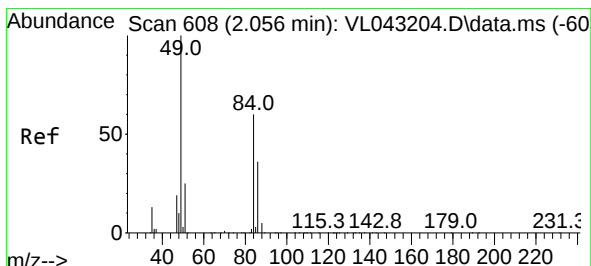
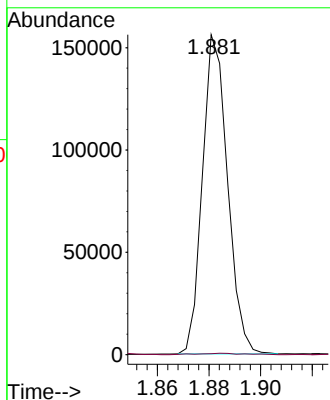
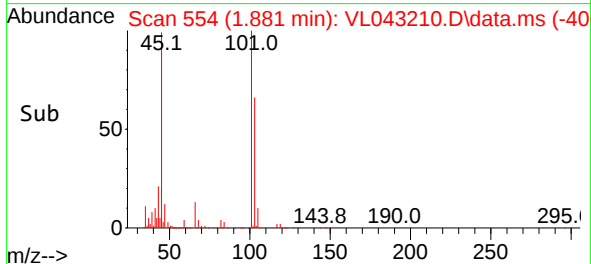
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



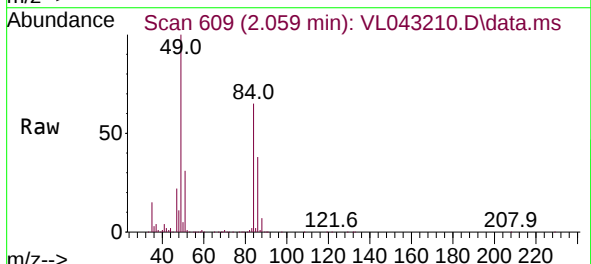
Tgt Ion: 45 Resp: 10527
Ion Ratio Lower Upper
45 100
58 38.5 31.3 46.9

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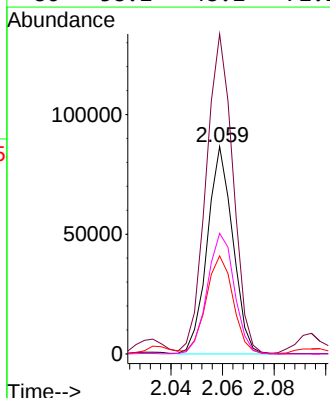
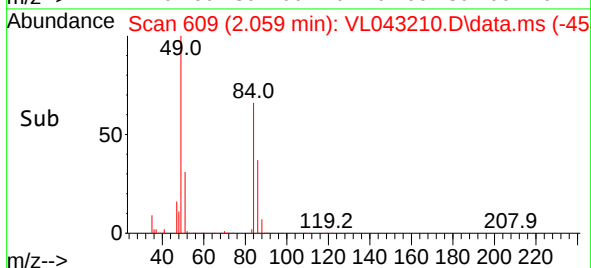
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

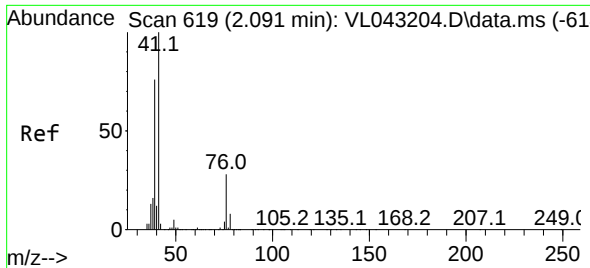


#20
Methylene Chloride
Concen: 15.164 ppbv
RT: 2.059 min Scan# 609
Delta R.T. 0.003 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24



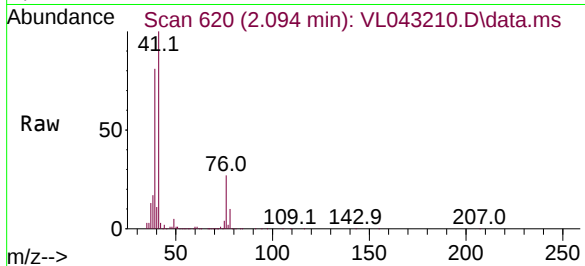
Tgt Ion: 84 Resp: 59798
Ion Ratio Lower Upper
84 100
49 153.8 132.9 199.3
51 47.0 34.8 52.2
86 58.2 48.2 72.2





#21
 Allyl Chloride
 Concen: 13.724 ppbv
 RT: 2.094 min Scan# 619
 Delta R.T. 0.003 min
 Lab File: VL043210.D
 Acq: 18 Nov 2025 13:24

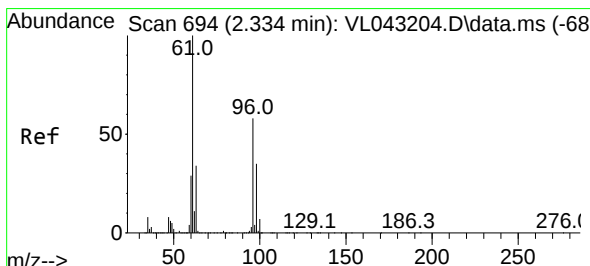
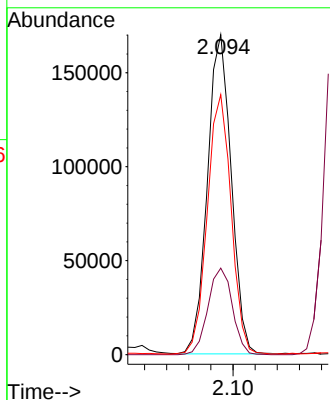
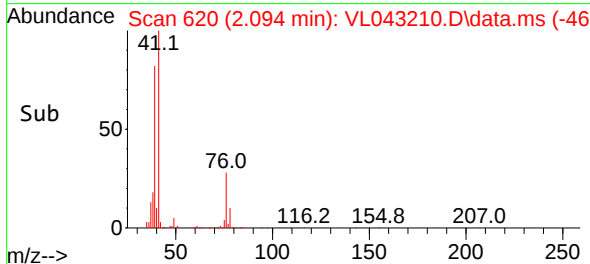
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015



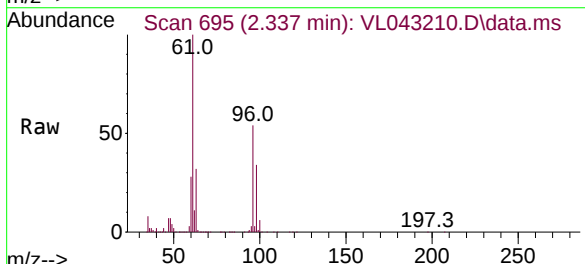
Tgt Ion: 41 Resp: 126959
 Ion Ratio Lower Upper
 41 100
 76 27.5 22.1 33.1
 39 81.3 61.0 91.4

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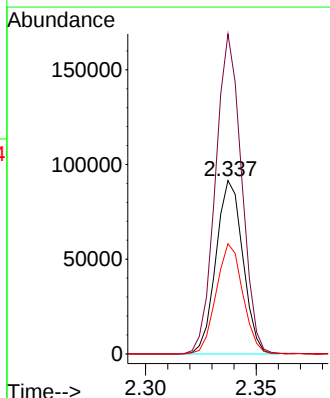
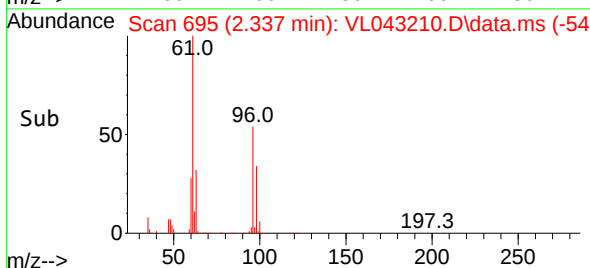
Reviewed By :Semsettin Yesilyurt 11/19/2025
 Supervised By :Mahesh Dadoda 11/19/2025

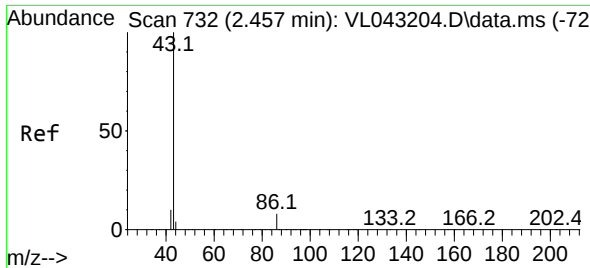


#22
 trans-1,2-Dichloroethene
 Concen: 13.772 ppbv
 RT: 2.337 min Scan# 695
 Delta R.T. 0.003 min
 Lab File: VL043210.D
 Acq: 18 Nov 2025 13:24



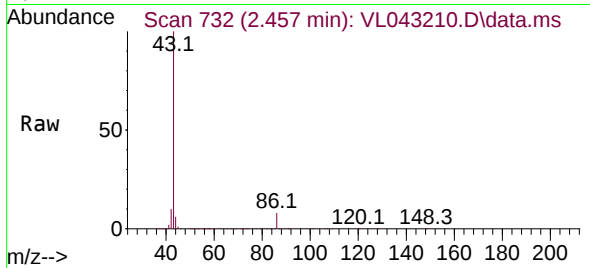
Tgt Ion: 96 Resp: 77386
 Ion Ratio Lower Upper
 96 100
 61 184.6 139.0 208.6
 98 63.5 49.4 74.2





#23
 Vinyl Acetate
 Concen: 13.995 ppbv
 RT: 2.457 min Scan# 732
 Delta R.T. -0.000 min
 Lab File: VL043210.D
 Acq: 18 Nov 2025 13:24

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

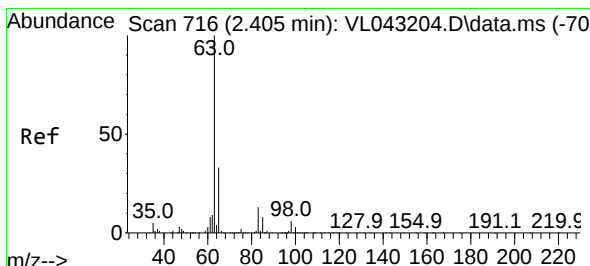
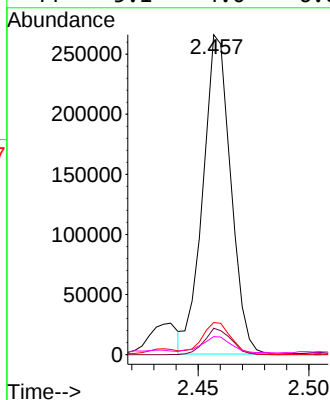
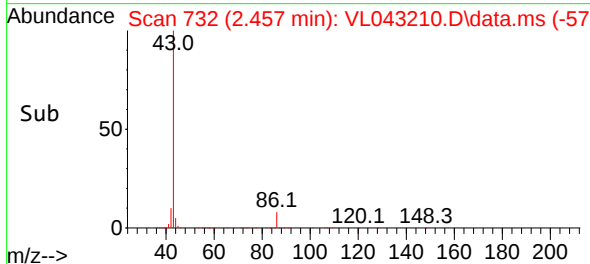


Tgt Ion: 43 Resp: 232315

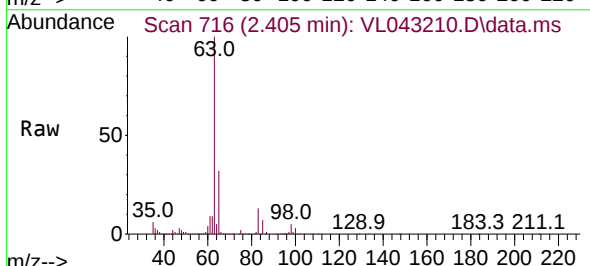
Ion	Ratio	Lower	Upper
43	100		
86	8.2	6.2	9.2
42	10.1	8.0	12.0
44	5.1	4.0	6.0

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

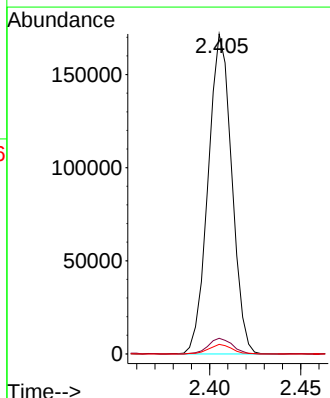
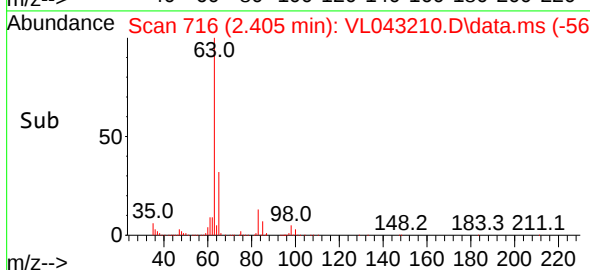


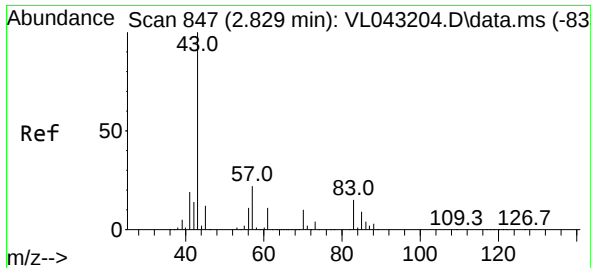
#24
 1,1-Dichloroethane
 Concen: 14.292 ppbv
 RT: 2.405 min Scan# 716
 Delta R.T. -0.000 min
 Lab File: VL043210.D
 Acq: 18 Nov 2025 13:24



Tgt Ion: 63 Resp: 155017

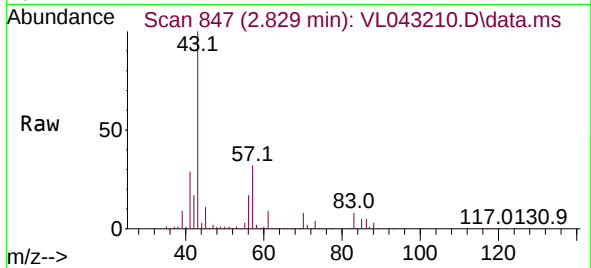
Ion	Ratio	Lower	Upper
63	100		
98	4.9	2.8	8.4
100	3.0	1.3	3.9





#25
Ethyl Acetate
Concen: 13.265 ppbv
RT: 2.829 min Scan# 845
Delta R.T. -0.000 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

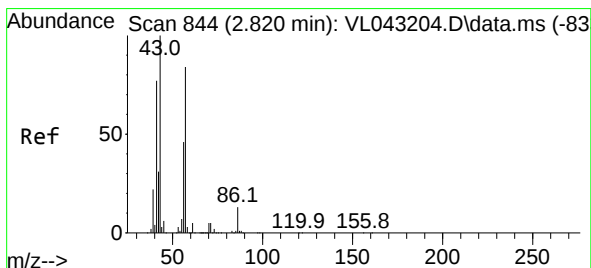
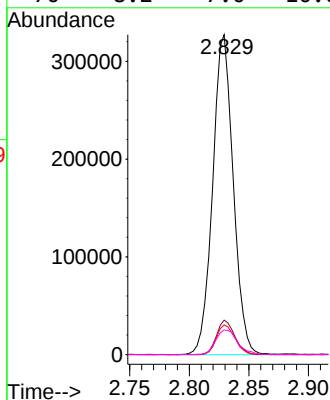
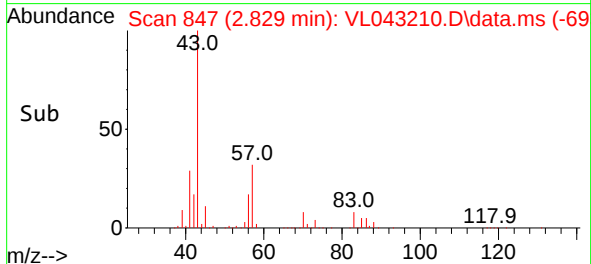
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



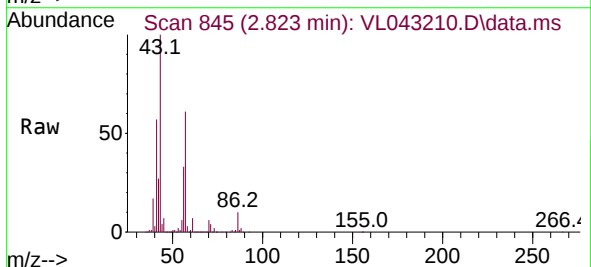
Tgt Ion: 43 Resp: 394074
Ion Ratio Lower Upper
43 100
45 9.5 8.1 12.1
61 8.4 7.0 10.4
70 8.2 7.0 10.6

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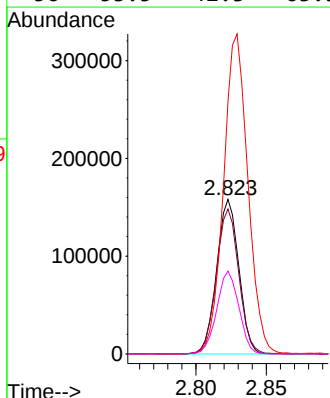
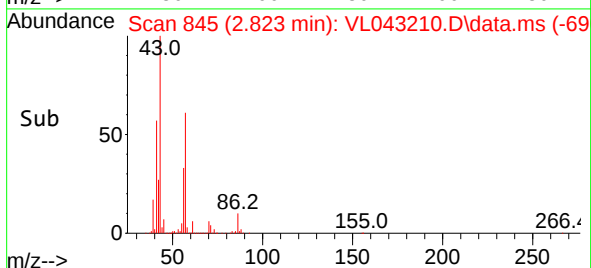
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

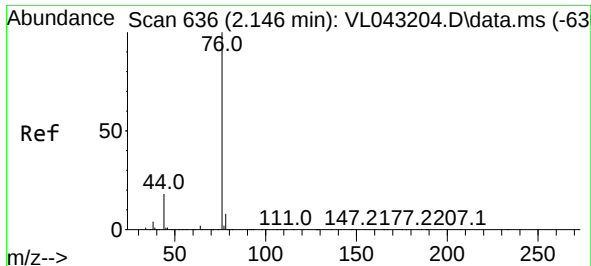


#26
Hexane
Concen: 13.252 ppbv
RT: 2.823 min Scan# 845
Delta R.T. 0.003 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24



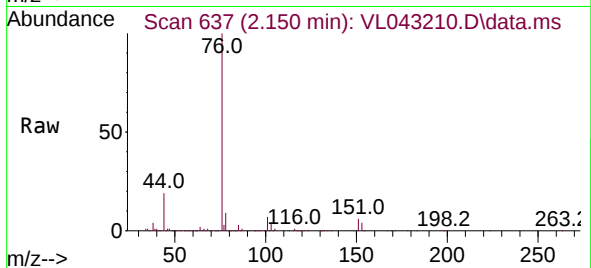
Tgt Ion: 57 Resp: 172303
Ion Ratio Lower Upper
57 100
41 95.4 74.6 111.8
43 229.0 179.0 268.4
56 53.5 42.3 63.5





#27
Carbon Disulfide
Concen: 14.435 ppbv
RT: 2.150 min Scan# 636
Delta R.T. 0.003 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

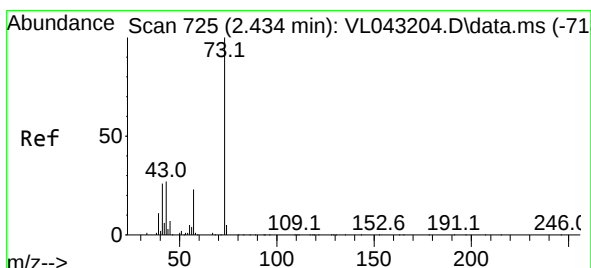
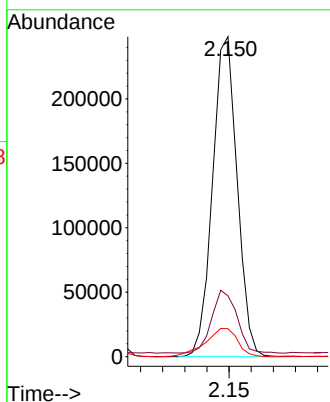
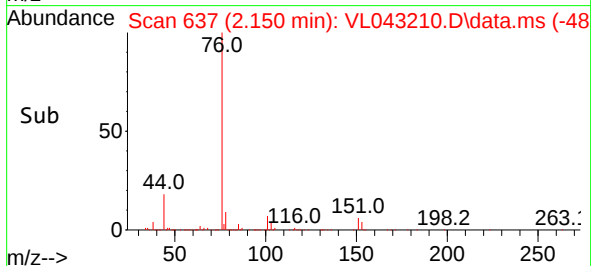
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



Tgt Ion: 76 Resp: 191612
Ion Ratio Lower Upper
76 100
44 22.2 16.1 24.1
78 11.5 9.6 14.4

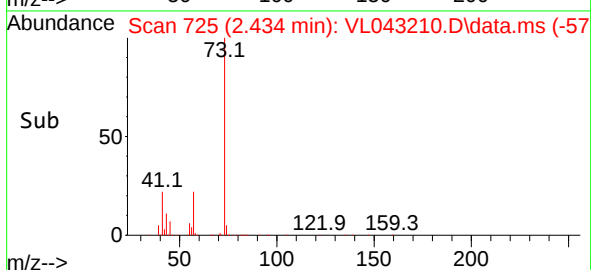
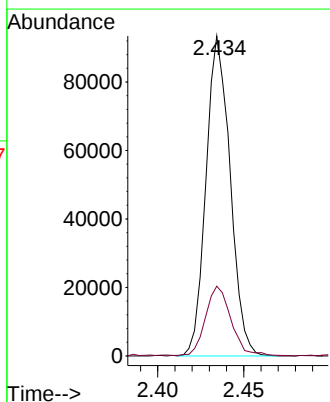
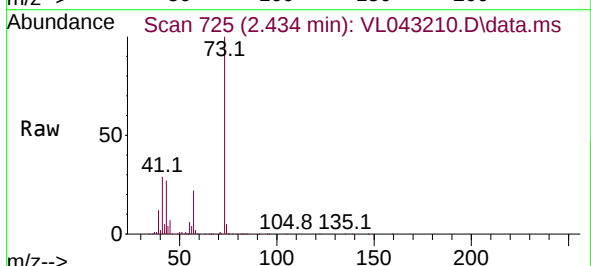
Manual Integrations
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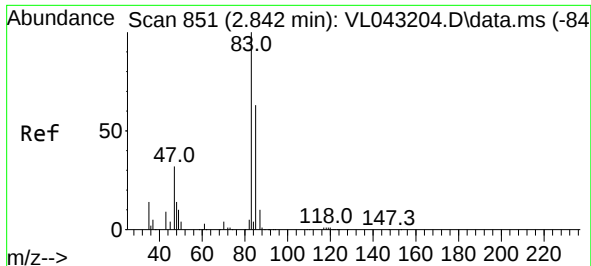
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025



#28
Methyl tert-Butyl Ether
Concen: 14.279 ppbv
RT: 2.434 min Scan# 725
Delta R.T. -0.000 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

Tgt Ion: 73 Resp: 91132
Ion Ratio Lower Upper
73 100
57 23.5 19.8 29.8





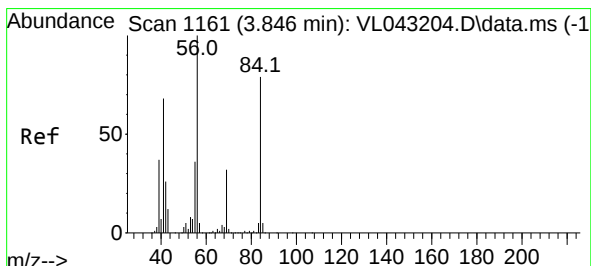
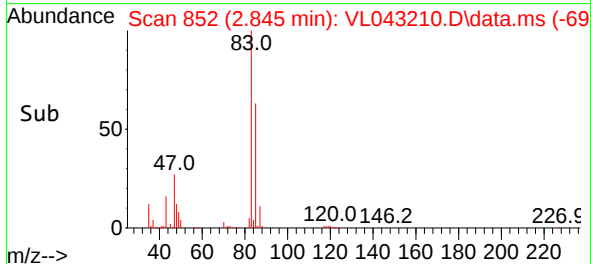
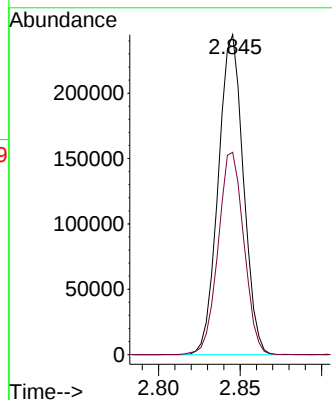
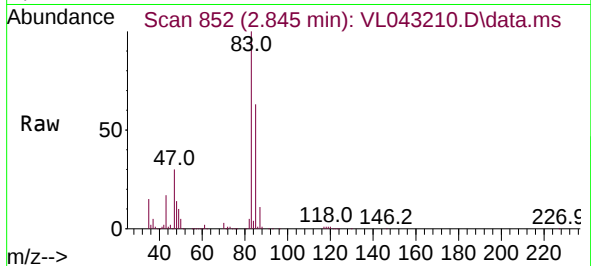
#29
Chloroform
Concen: 14.221 ppbv
RT: 2.845 min Scan# 851
Delta R.T. 0.003 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tgt Ion: 83 Resp: 262803
Ion Ratio Lower Upper
83 100
85 63.2 50.5 75.7

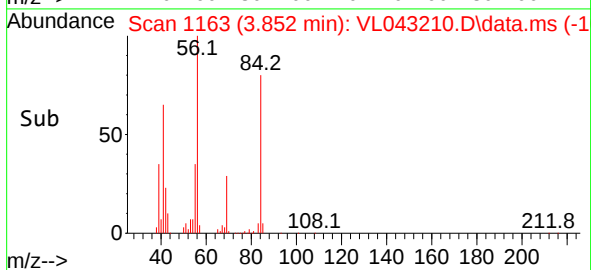
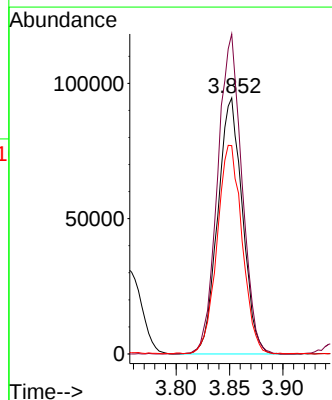
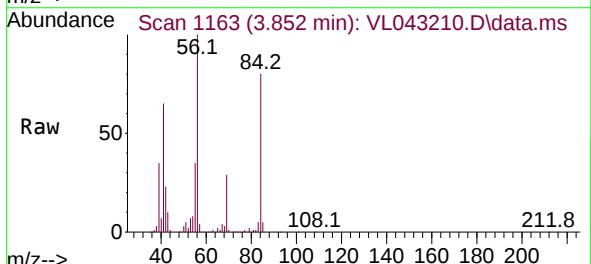
Manual Integrations
APPROVED

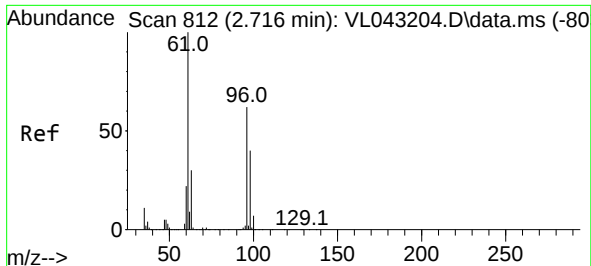
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025



#30
Cyclohexane
Concen: 13.946 ppbv
RT: 3.852 min Scan# 1163
Delta R.T. 0.006 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

Tgt Ion: 84 Resp: 152015
Ion Ratio Lower Upper
84 100
56 123.0 104.7 157.1
41 82.7 69.0 103.6





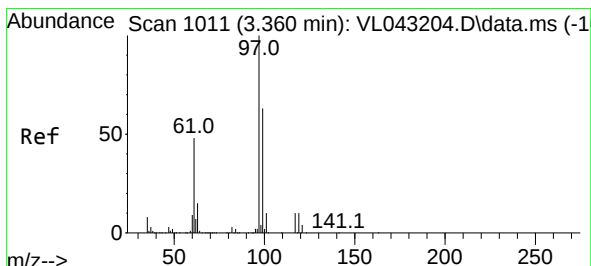
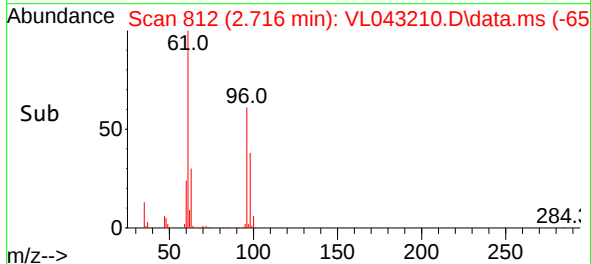
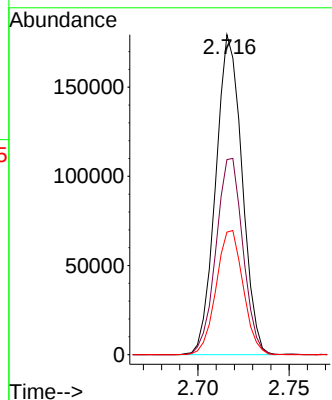
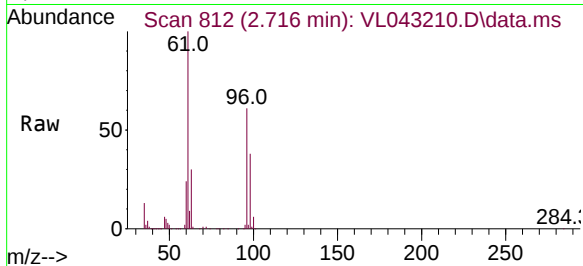
#31
 cis-1,2-Dichloroethene
 Concen: 13.978 ppbv
 RT: 2.716 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VL043210.D
 Acq: 18 Nov 2025 13:24

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tgt Ion: 61 Resp: 18064
 Ion Ratio Lower Upper
 61 100
 96 60.9 49.3 73.9
 98 38.3 32.1 48.1

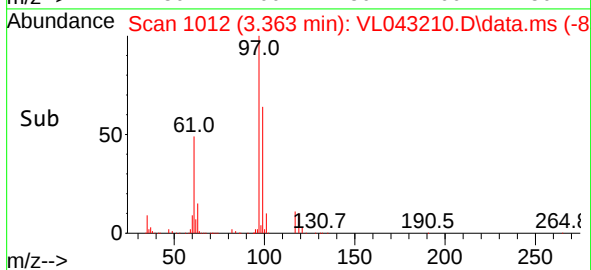
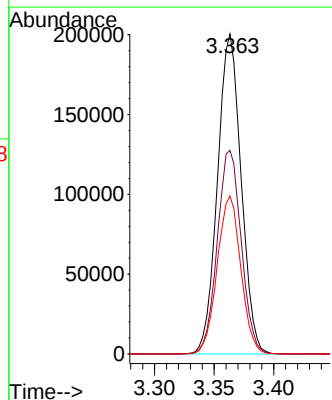
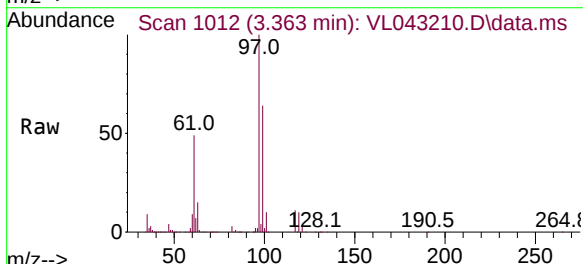
Manual Integrations
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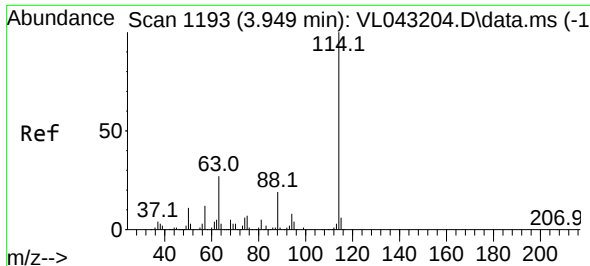
Reviewed By :Semsettin Yesilyurt 11/19/2025
 Supervised By :Mahesh Dadoda 11/19/2025



#32
 1,1,1-Trichloroethane
 Concen: 13.930 ppbv
 RT: 3.363 min Scan# 1012
 Delta R.T. 0.003 min
 Lab File: VL043210.D
 Acq: 18 Nov 2025 13:24

Tgt Ion: 97 Resp: 276915
 Ion Ratio Lower Upper
 97 100
 99 64.4 50.3 75.5
 61 49.3 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: VL043210.D

Acq: 18 Nov 2025 13:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

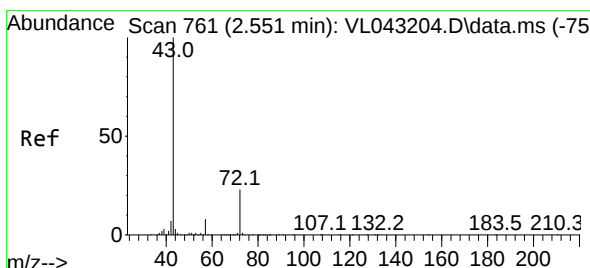
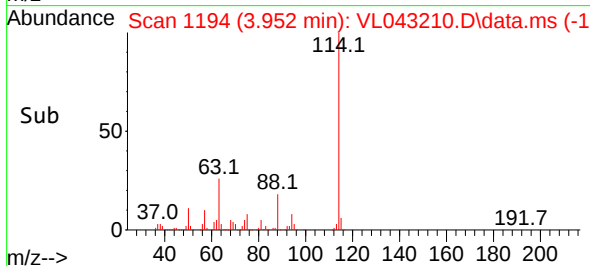
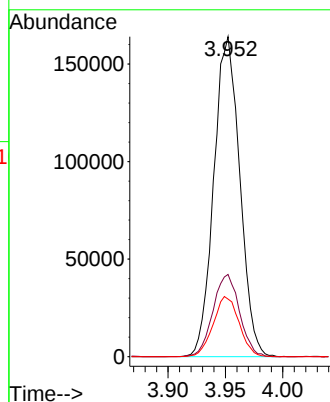
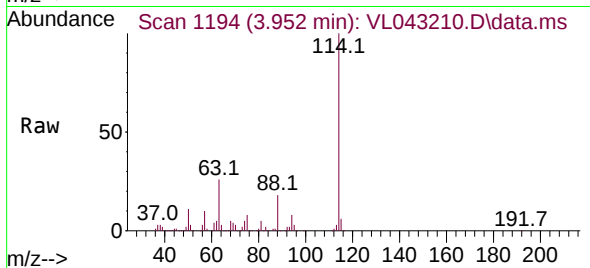
Tgt Ion:114 Resp: 258463

Ion	Ratio	Lower	Upper
114	100		
63	26.2	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: 13.914 ppbv

RT: 2.551 min Scan# 761

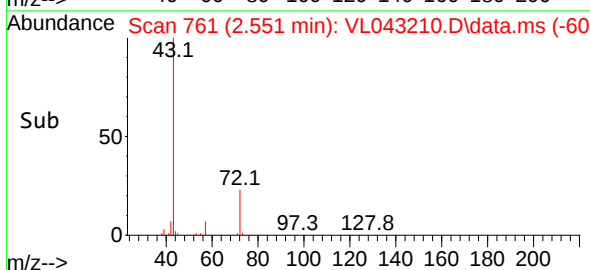
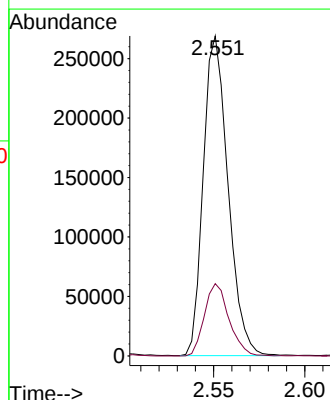
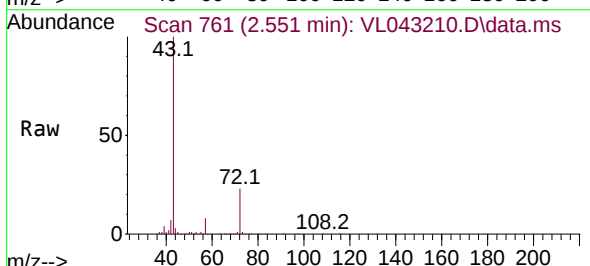
Delta R.T. -0.000 min

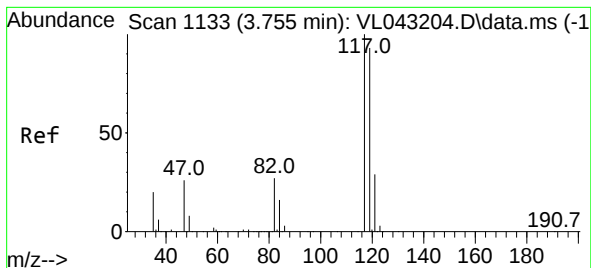
Lab File: VL043210.D

Acq: 18 Nov 2025 13:24

Tgt Ion: 43 Resp: 253855

Ion	Ratio	Lower	Upper
43	100		
72	22.4	18.1	27.1





#35

Carbon Tetrachloride

Concen: 14.250 ppbv

RT: 3.755 min Scan# 1133

Delta R.T. -0.000 min

Lab File: VL043210.D

Acq: 18 Nov 2025 13:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tgt Ion:117 Resp: 279560

Ion Ratio Lower Upper

117 100

119 97.4 74.6 112.0

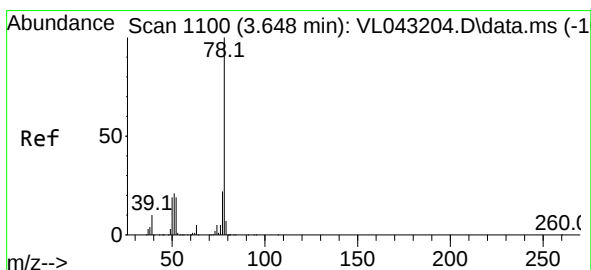
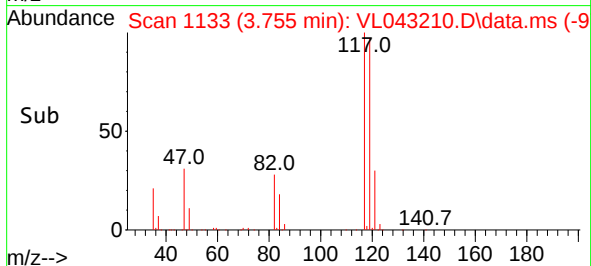
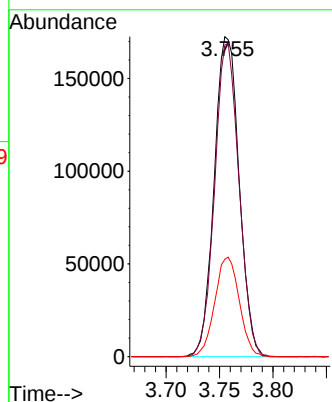
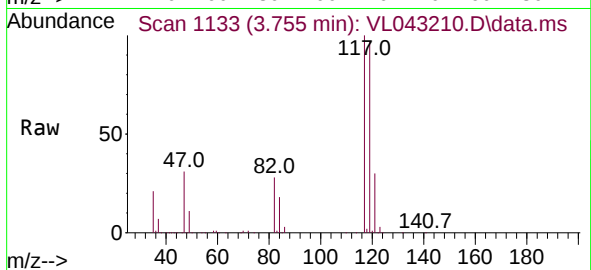
121 30.4 23.2 34.8

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 11/19/2025

Supervised By :Mahesh Dadoda 11/19/2025



#36

Benzene

Concen: 14.096 ppbv

RT: 3.651 min Scan# 1101

Delta R.T. 0.003 min

Lab File: VL043210.D

Acq: 18 Nov 2025 13:24

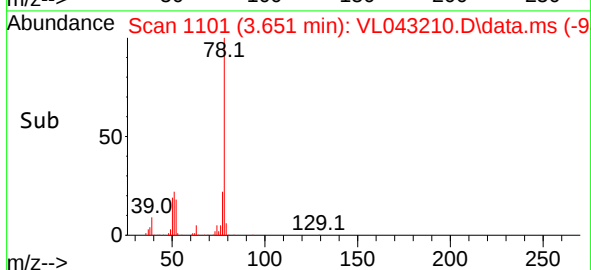
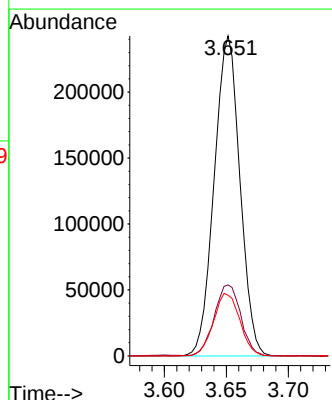
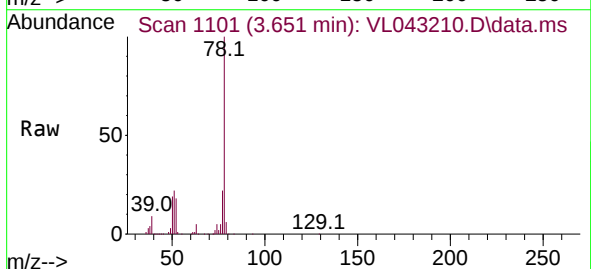
Tgt Ion: 78 Resp: 348892

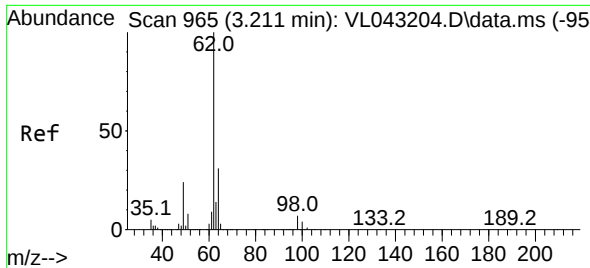
Ion Ratio Lower Upper

78 100

77 22.1 17.5 26.3

50 19.0 15.5 23.3





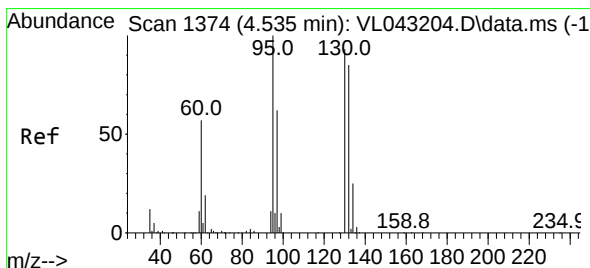
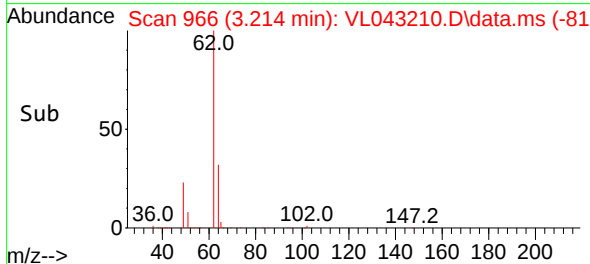
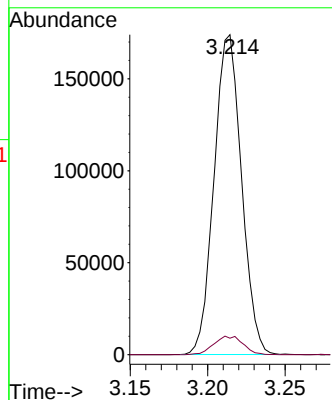
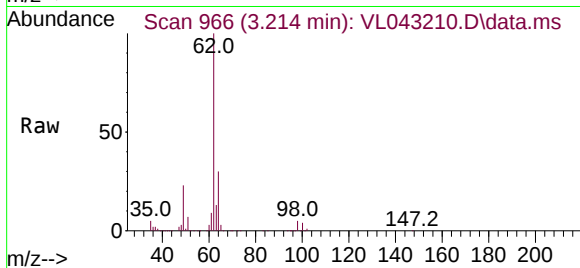
#37
1,2-Dichloroethane
Concen: 14.798 ppbv
RT: 3.214 min Scan# 965
Delta R.T. 0.003 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 62 Resp: 214248
Ion Ratio Lower Upper
62 100
98 6.1 5.5 8.3

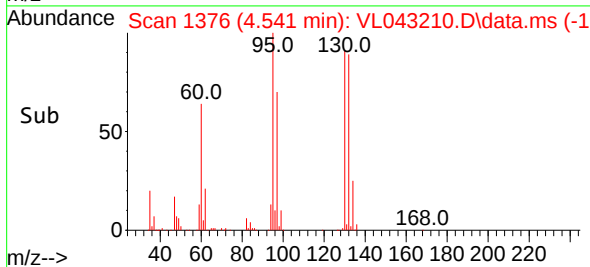
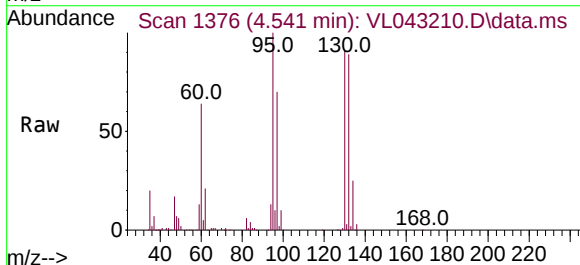
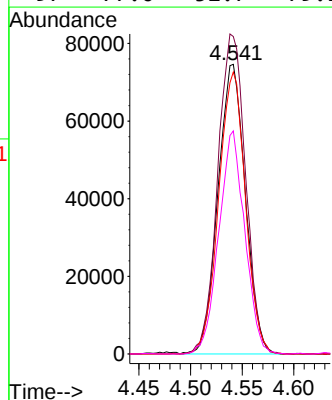
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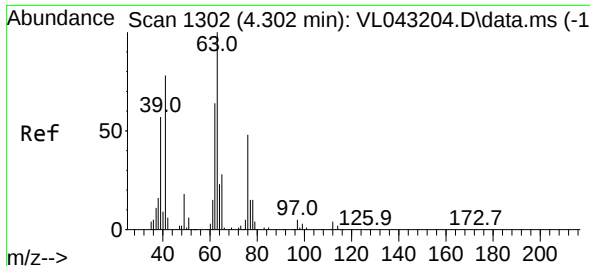
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025



#38
Trichloroethene
Concen: 14.123 ppbv
RT: 4.541 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

Tgt Ion:130 Resp: 137027
Ion Ratio Lower Upper
130 100
95 109.6 85.7 128.5
132 97.4 73.4 110.0
97 77.0 52.7 79.1





#39

1,2-Dichloropropane

Concen: 14.206 ppbv

RT: 4.302 min Scan# 1302

Delta R.T. -0.000 min

Lab File: VL043210.D

Acq: 18 Nov 2025 13:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC015

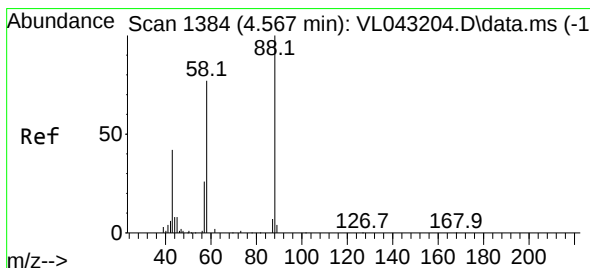
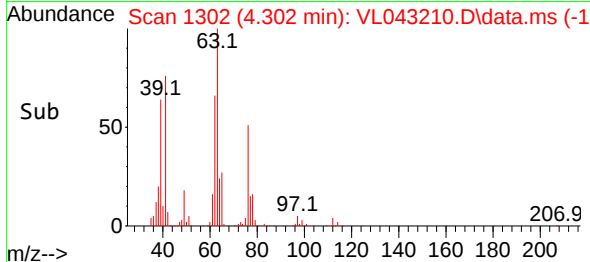
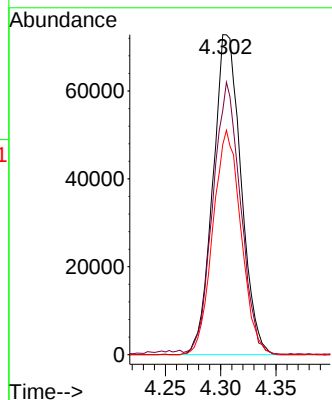
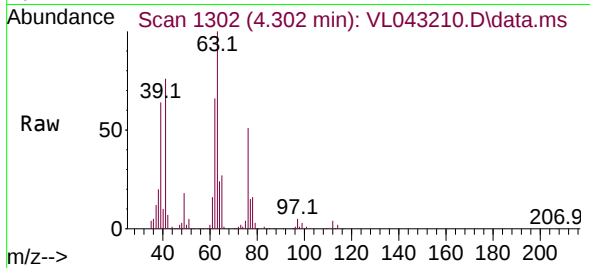
Tgt Ion: 63 Resp: 128700

Ion	Ratio	Lower	Upper
63	100		
41	75.9	62.6	93.8
62	65.6	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: 13.728 ppbv

RT: 4.571 min Scan# 1385

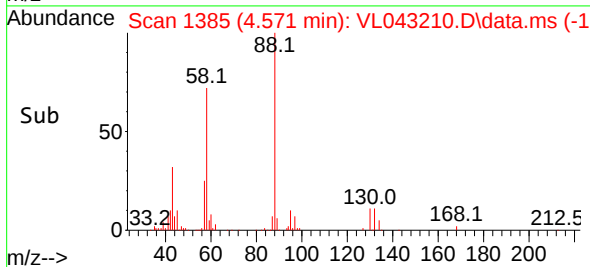
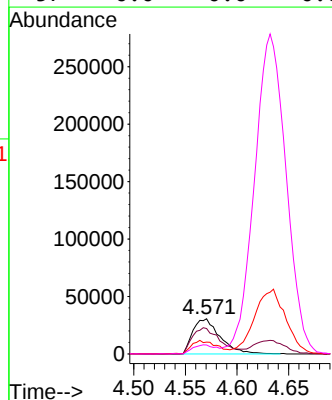
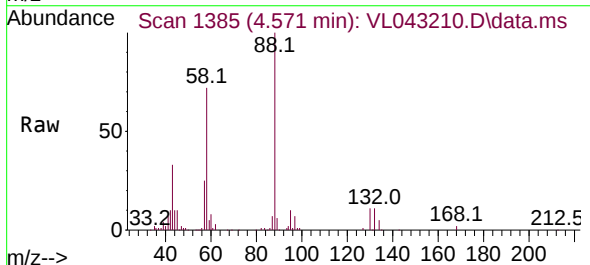
Delta R.T. 0.003 min

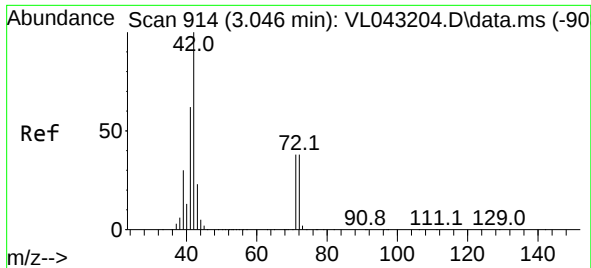
Lab File: VL043210.D

Acq: 18 Nov 2025 13:24

Tgt Ion: 88 Resp: 55905

Ion	Ratio	Lower	Upper
88	100		
58	76.7	63.0	94.6
43	34.0	32.5	48.7
57	0.0	0.0	0.0





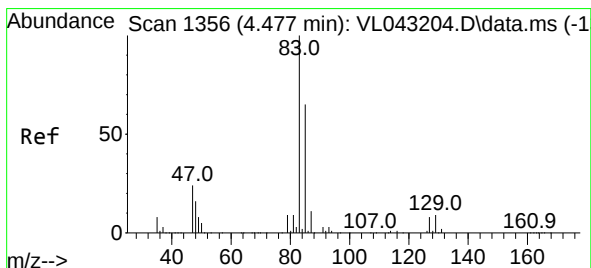
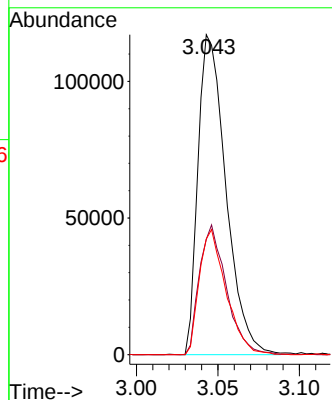
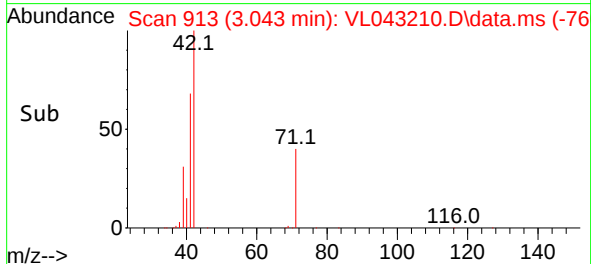
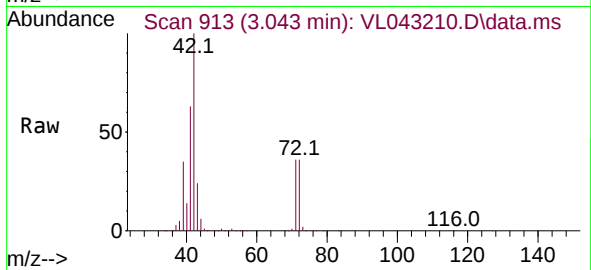
#41
Tetrahydrofuran
Concen: 13.868 ppbv
RT: 3.043 min Scan# 914
Delta R.T. -0.003 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tgt Ion: 42 Resp: 139722
Ion Ratio Lower Upper
42 100
72 39.1 30.6 46.0
71 37.3 30.5 45.7

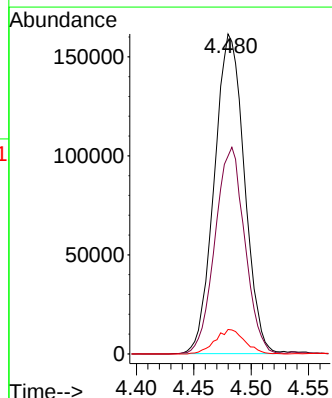
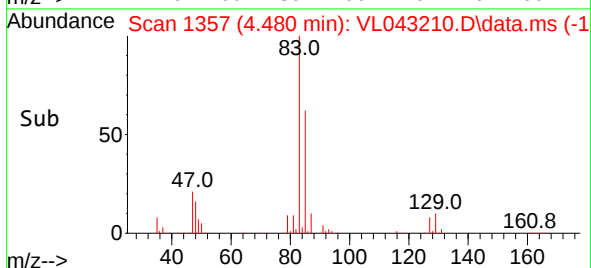
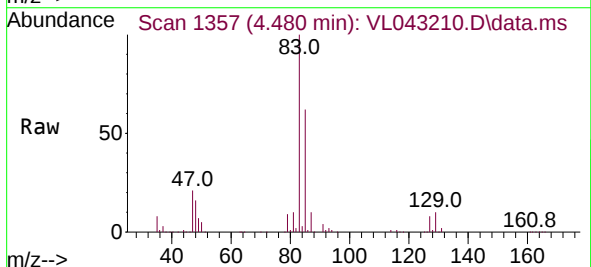
Manual Integrations
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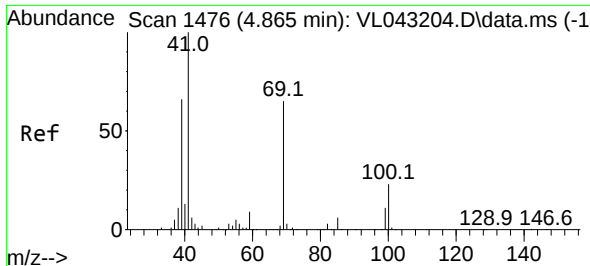
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025



#42
Bromodichloromethane
Concen: 14.721 ppbv
RT: 4.480 min Scan# 1357
Delta R.T. 0.003 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

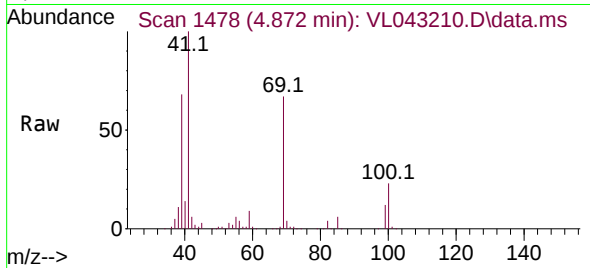
Tgt Ion: 83 Resp: 294008
Ion Ratio Lower Upper
83 100
85 61.7 51.7 77.5
127 7.6 6.3 9.5





#43
Methyl Methacrylate
Concen: 13.633 ppbv
RT: 4.872 min Scan# 1476
Delta R.T. 0.006 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

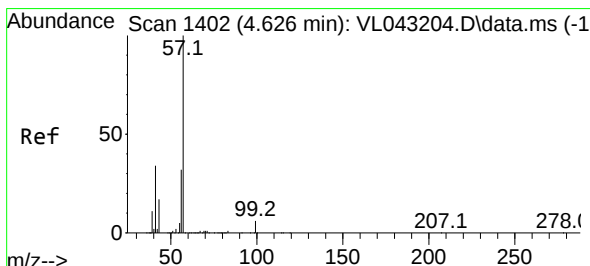
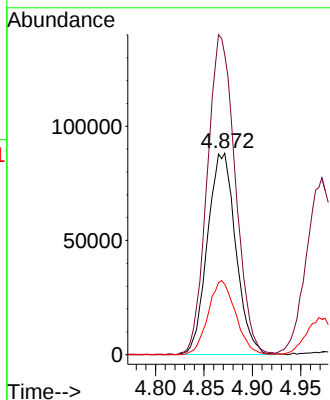
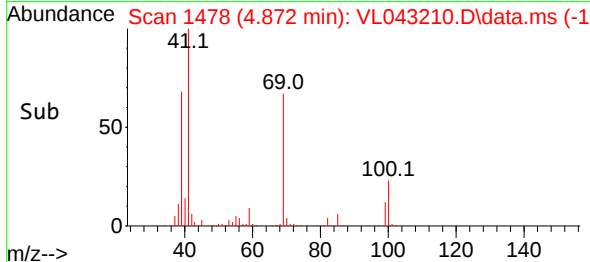
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



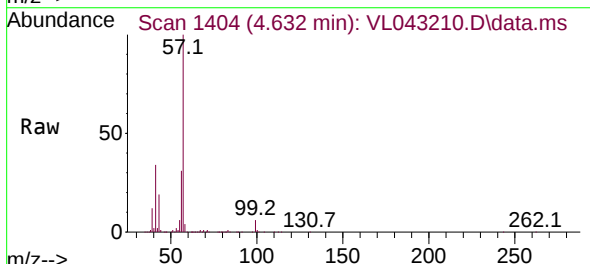
Tgt Ion: 69 Resp: 179110
Ion Ratio Lower Upper
69 100
41 157.9 126.7 190.1
100 35.7 28.6 43.0

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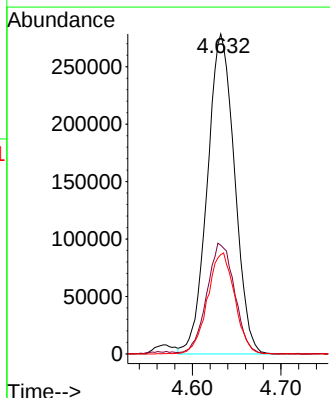
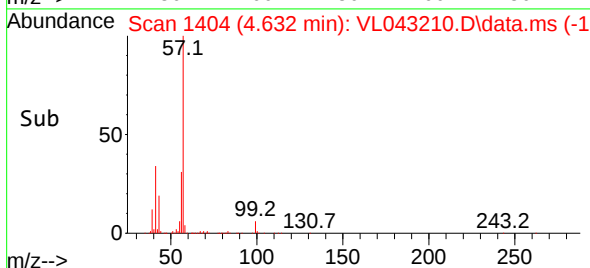
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

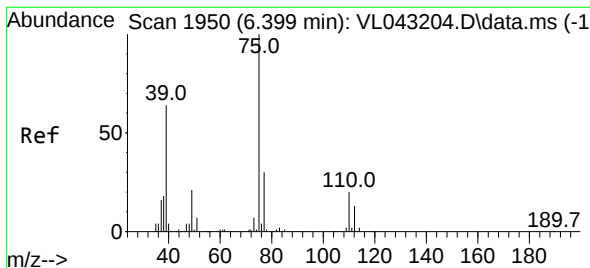


#44
2,2,4-Trimethylpentane
Concen: 14.014 ppbv
RT: 4.632 min Scan# 1404
Delta R.T. 0.006 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24



Tgt Ion: 57 Resp: 595778
Ion Ratio Lower Upper
57 100
41 35.9 28.0 42.0
56 31.6 25.6 38.4





#45

t-1,3-Dichloropropene

Concen: 14.508 ppbv

RT: 6.406 min Scan# 1950

Delta R.T. 0.006 min

Lab File: VL043210.D

Acq: 18 Nov 2025 13:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC015

Tgt Ion: 75 Resp: 177678

Ion Ratio Lower Upper

75 100

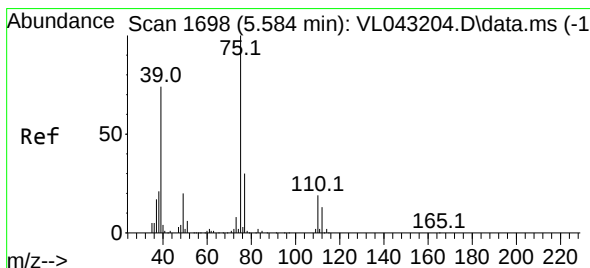
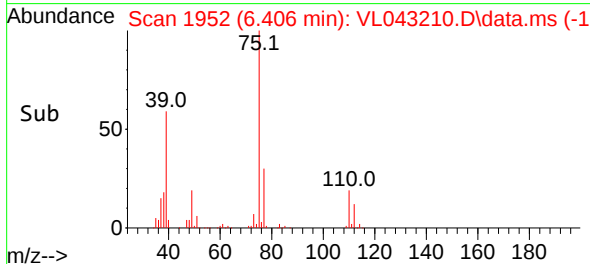
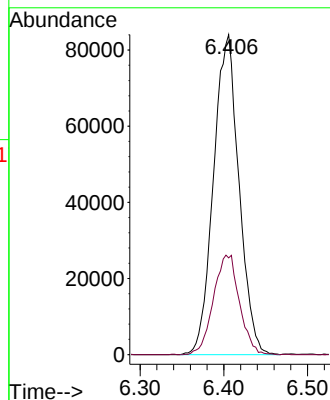
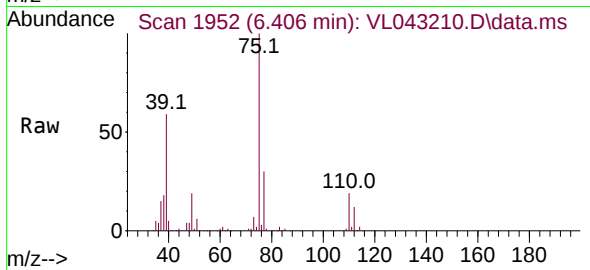
77 30.2 24.3 36.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/19/2025

Supervised By :Mahesh Dadoda 11/19/2025



#46

cis-1,3-Dichloropropene

Concen: 14.270 ppbv

RT: 5.587 min Scan# 1699

Delta R.T. 0.003 min

Lab File: VL043210.D

Acq: 18 Nov 2025 13:24

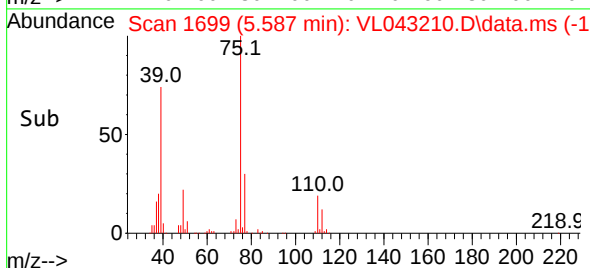
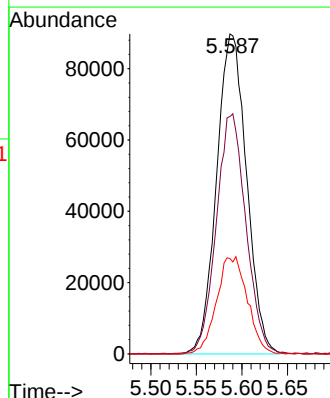
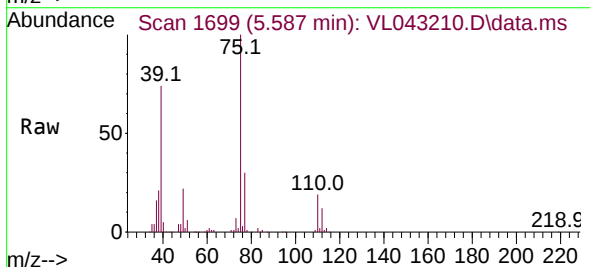
Tgt Ion: 75 Resp: 205226

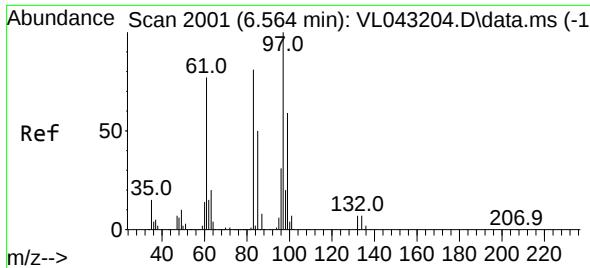
Ion Ratio Lower Upper

75 100

39 73.9 59.1 88.7

77 29.8 24.2 36.2





#47
1,1,2-Trichloroethane
Concen: 13.738 ppbv
RT: 6.571 min Scan# 2001
Delta R.T. 0.006 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

Instrument :

MSVOA_L

ClientSampleId :

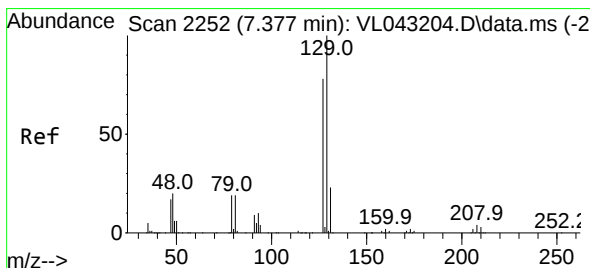
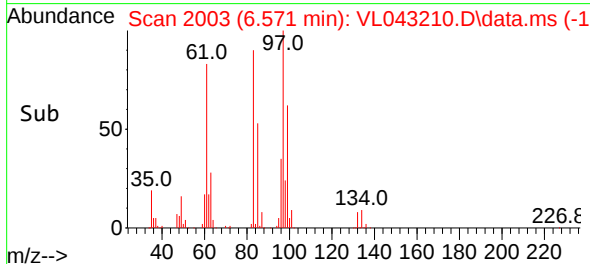
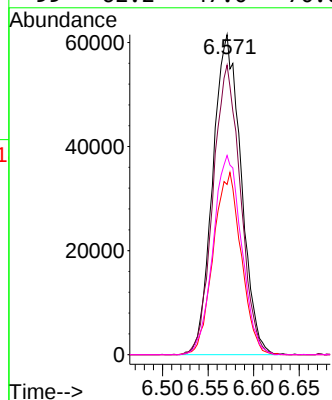
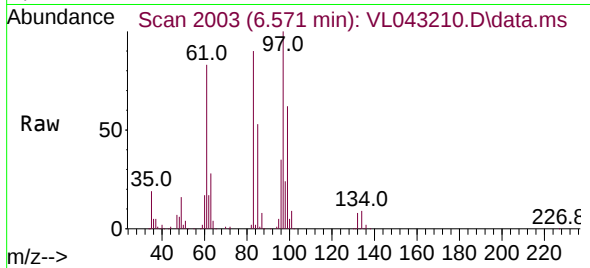
VSTDIC015

Tgt Ion: 97 Resp: 132701
Ion Ratio Lower Upper
97 100
83 90.4 64.6 97.0
85 53.2 39.4 59.2
99 62.2 47.0 70.6

Manual Integrations

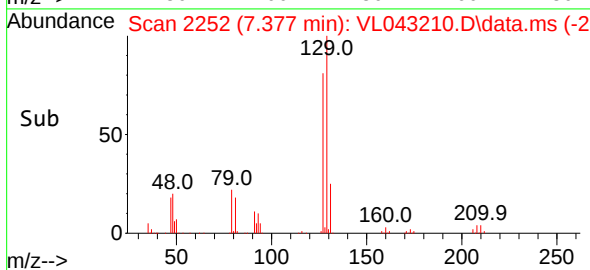
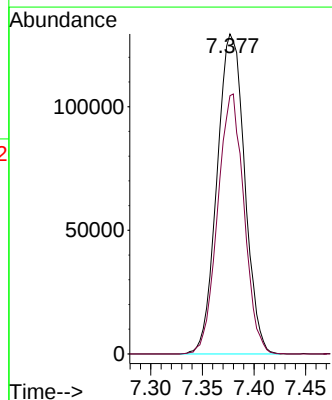
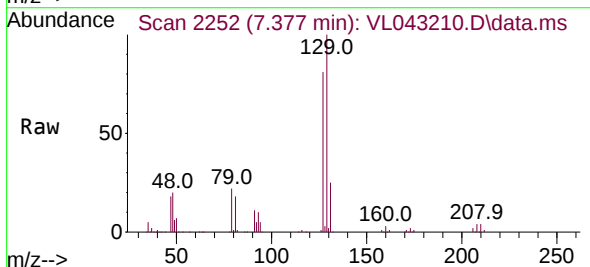
APPROVED

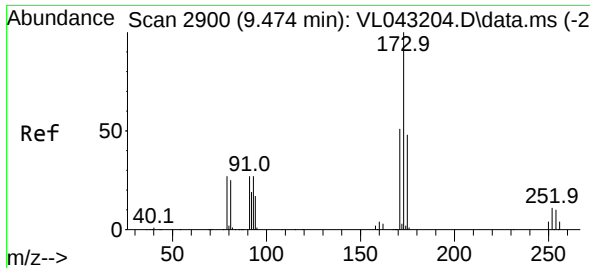
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025



#48
Dibromochloromethane
Concen: 14.564 ppbv
RT: 7.377 min Scan# 2252
Delta R.T. -0.000 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

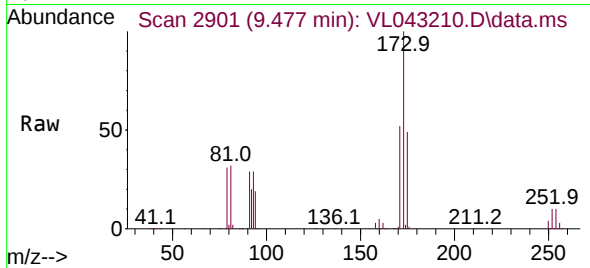
Tgt Ion:129 Resp: 240736
Ion Ratio Lower Upper
129 100
127 77.5 39.3 117.9





#49
Bromoform
Concen: 14.434 ppbv
RT: 9.477 min Scan# 2900
Delta R.T. 0.003 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

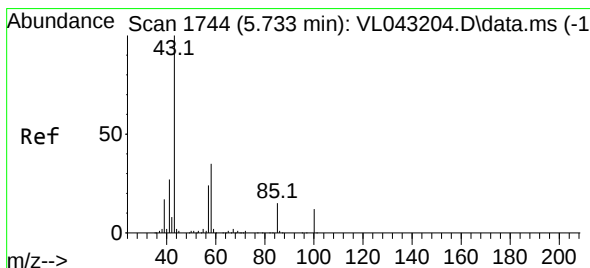
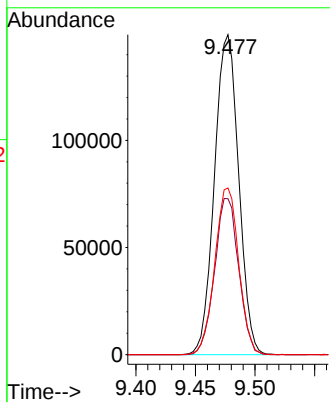
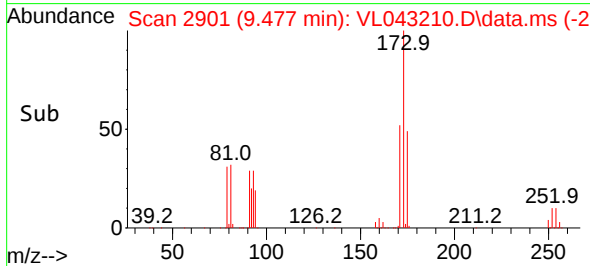
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



Tgt Ion: 173 Resp: 211325
Ion Ratio Lower Upper
173 100
175 48.6 38.6 58.0
171 51.5 40.6 61.0

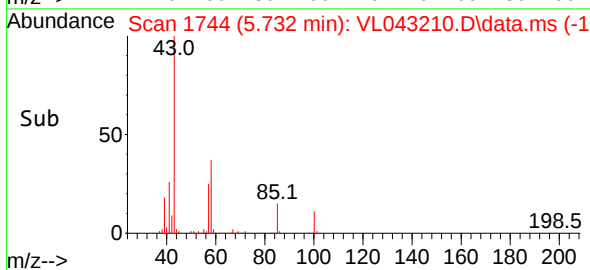
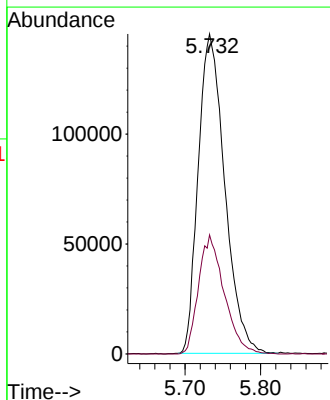
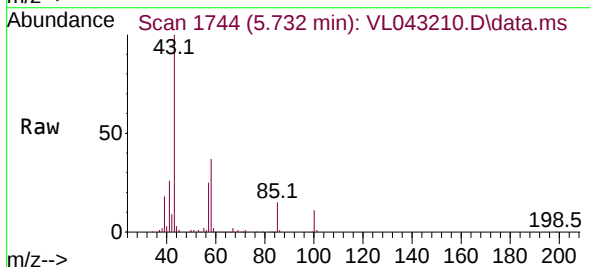
Manual Integrations
APPROVED

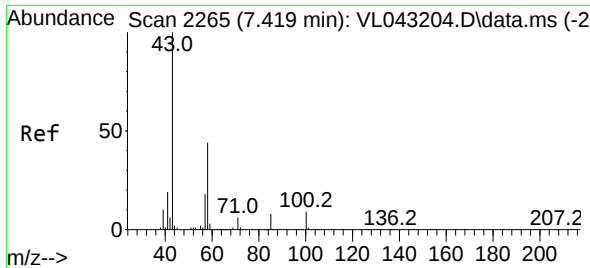
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025



#50
4-Methyl-2-Pentanone
Concen: 13.790 ppbv
RT: 5.732 min Scan# 1744
Delta R.T. -0.000 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

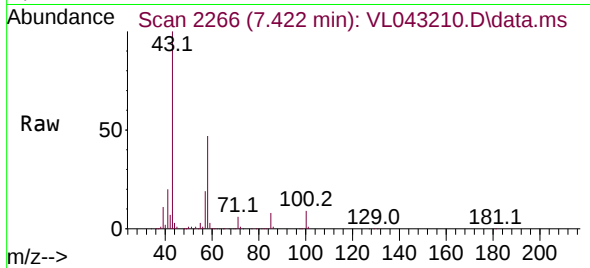
Tgt Ion: 43 Resp: 354421
Ion Ratio Lower Upper
43 100
58 35.9 28.4 42.6





#51
2-Hexanone
Concen: 14.067 ppbv
RT: 7.422 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

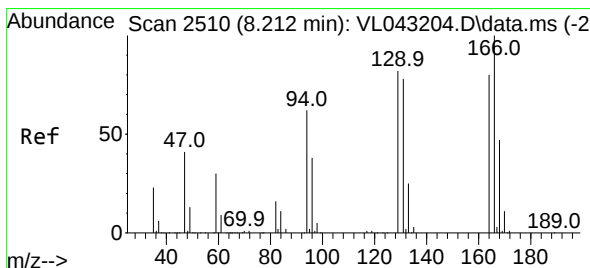
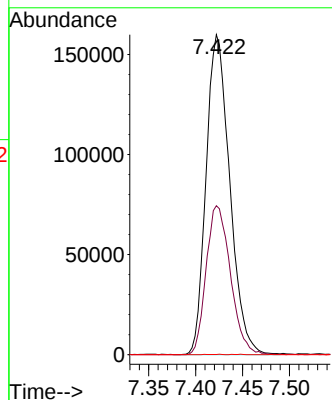
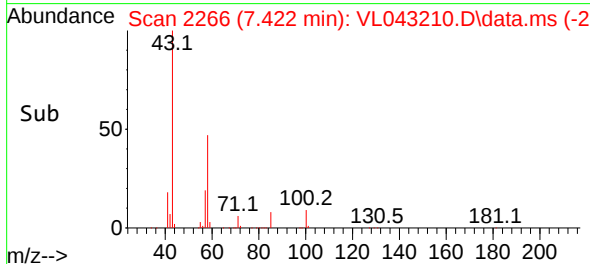
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



Tgt Ion: 43 Resp: 280742
Ion Ratio Lower Upper
43 100
58 47.7 38.4 57.6
98 0.1 0.0 0.0

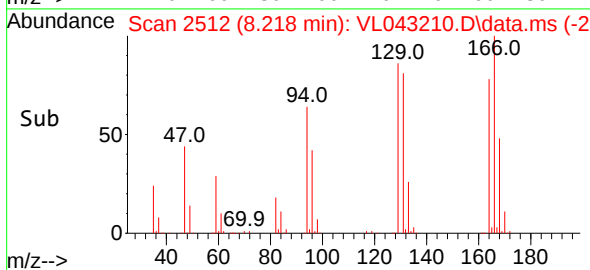
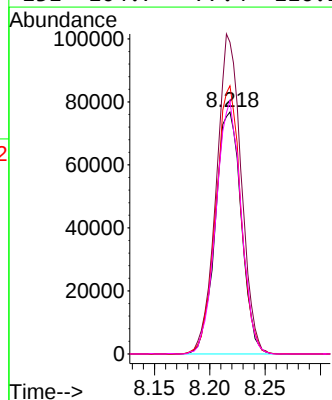
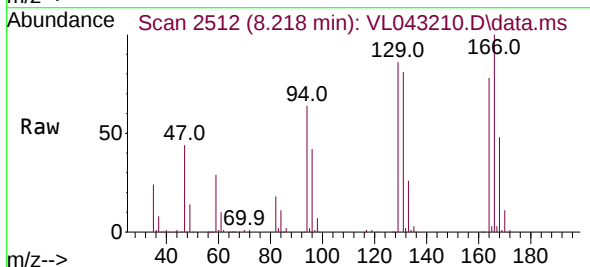
Manual Integrations
APPROVED

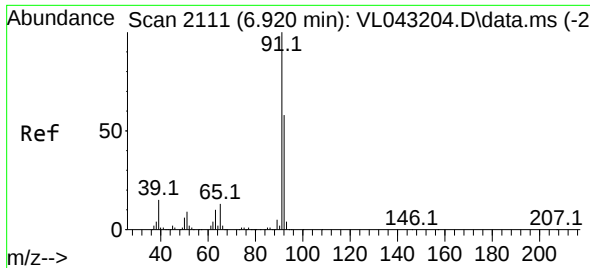
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025



#52
Tetrachloroethene
Concen: 13.591 ppbv
RT: 8.218 min Scan# 2512
Delta R.T. 0.006 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

Tgt Ion:164 Resp: 125132
Ion Ratio Lower Upper
164 100
166 128.8 99.4 149.2
129 110.8 81.8 122.8
131 104.7 77.4 116.2





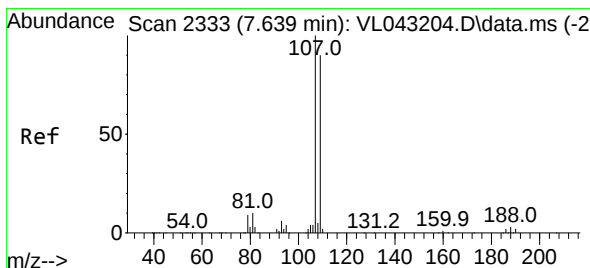
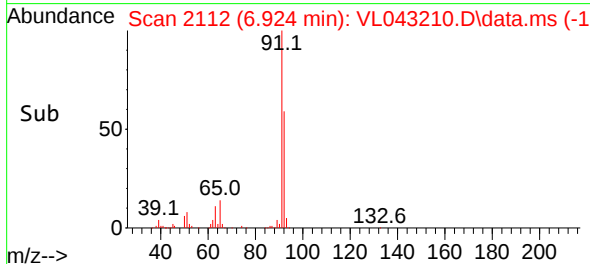
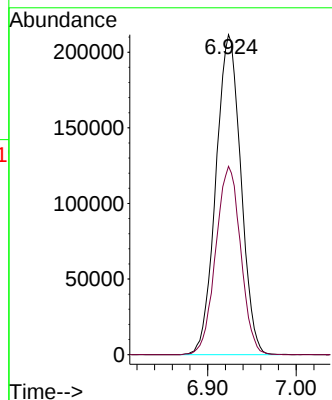
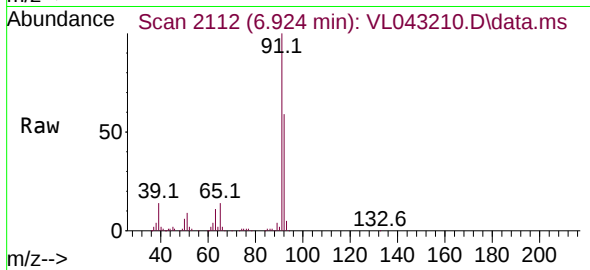
#53
Toluene
Concen: 14.050 ppbv
RT: 6.924 min Scan# 2111
Delta R.T. 0.003 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 91 Resp: 41441
Ion Ratio Lower Upper
91 100
92 58.8 47.4 71.0

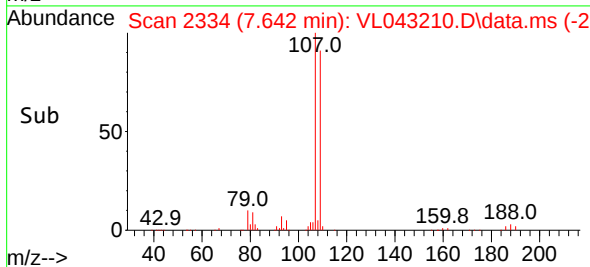
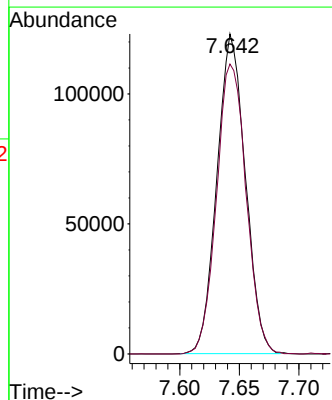
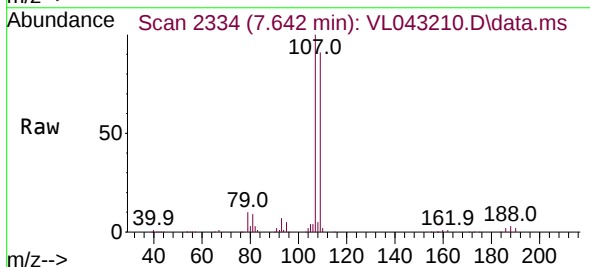
Manual Integrations
APPROVED

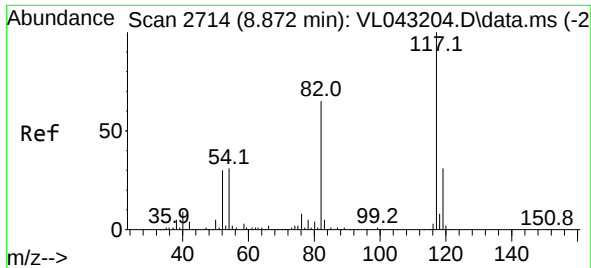
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025



#54
1,2-Dibromoethane
Concen: 14.413 ppbv
RT: 7.642 min Scan# 2334
Delta R.T. 0.003 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

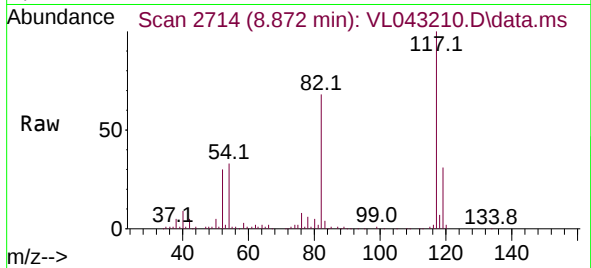
Tgt Ion:107 Resp: 203913
Ion Ratio Lower Upper
107 100
109 90.6 72.1 108.1





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.872 min Scan# 21124
Delta R.T. -0.000 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

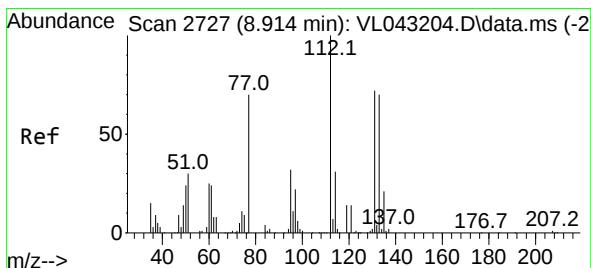
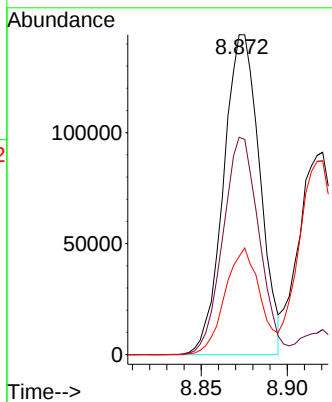
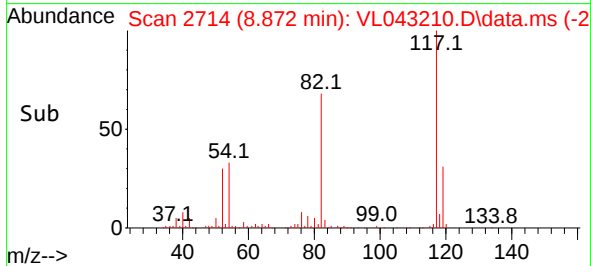
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



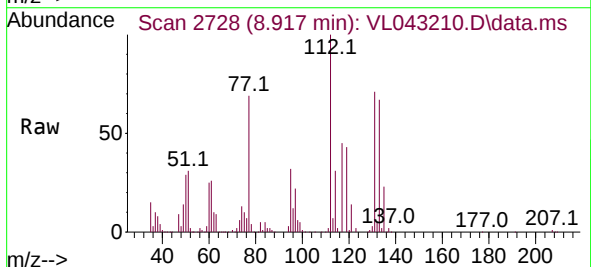
Tgt Ion:117 Resp: 21124
Ion Ratio Lower Upper
117 100
82 68.4 56.1 84.1
119 32.6 25.0 37.6

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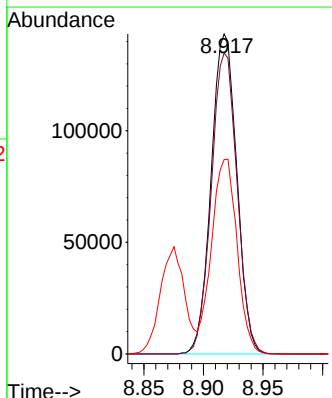
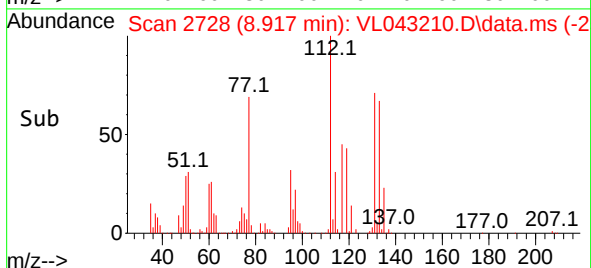
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

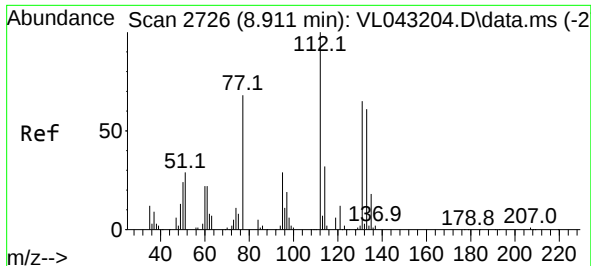


#56
1,1,1,2-Tetrachloroethane
Concen: 13.827 ppbv
RT: 8.917 min Scan# 2728
Delta R.T. 0.003 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24



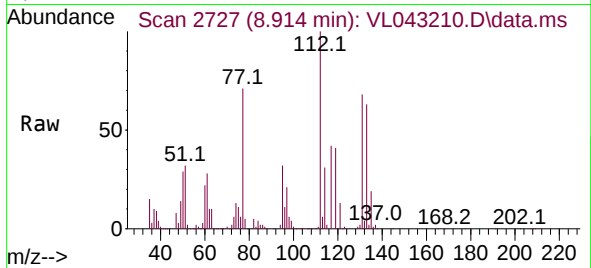
Tgt Ion:131 Resp: 214673
Ion Ratio Lower Upper
131 100
133 94.9 77.4 116.2
119 61.5 49.1 73.7





#57
Chlorobenzene
Concen: 13.923 ppbv
RT: 8.914 min Scan# 2726
Delta R.T. 0.003 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

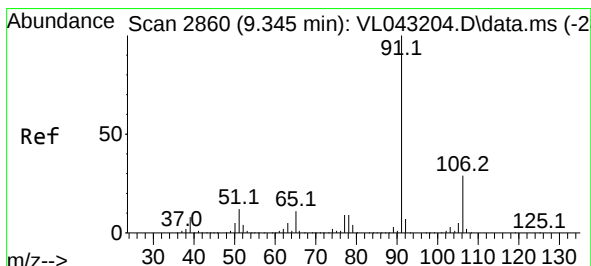
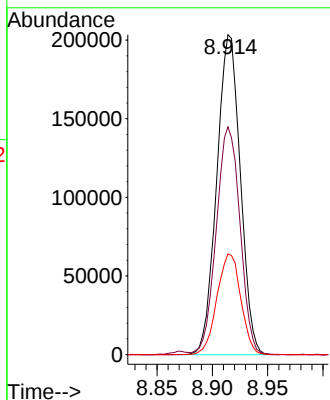
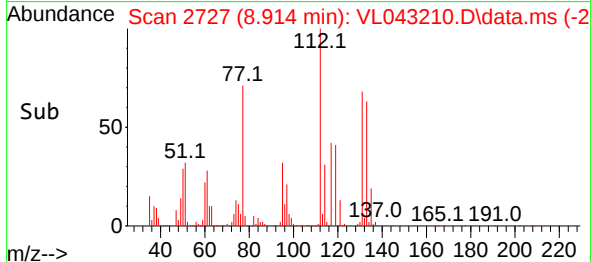
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



Tgt Ion: 112 Resp: 301986
Ion Ratio Lower Upper
112 100
77 71.1 55.5 83.3
114 31.5 29.1 35.5

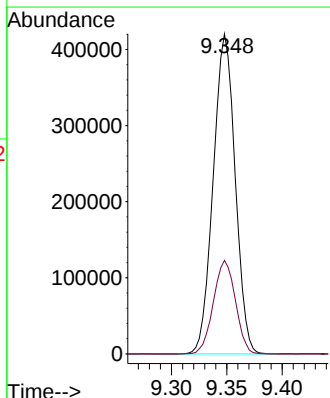
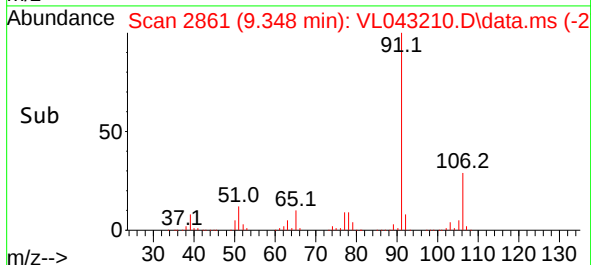
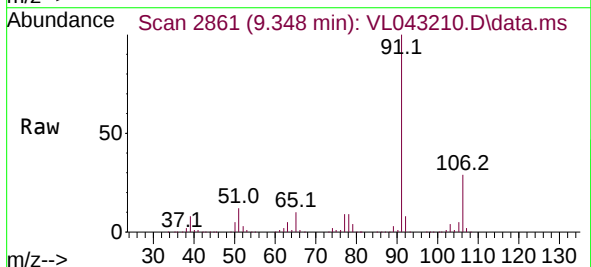
Manual Integrations
APPROVED

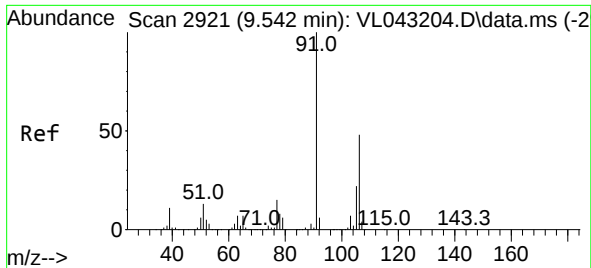
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025



#58
Ethyl Benzene
Concen: 14.262 ppbv
RT: 9.348 min Scan# 2861
Delta R.T. 0.003 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

Tgt Ion: 91 Resp: 579890
Ion Ratio Lower Upper
91 100
106 29.2 22.8 34.2





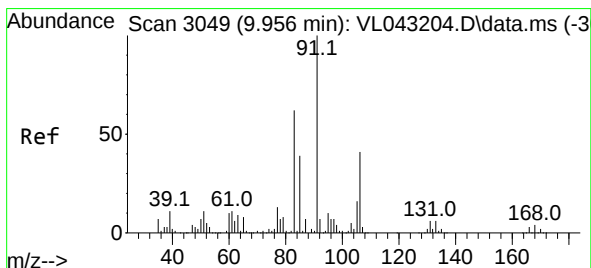
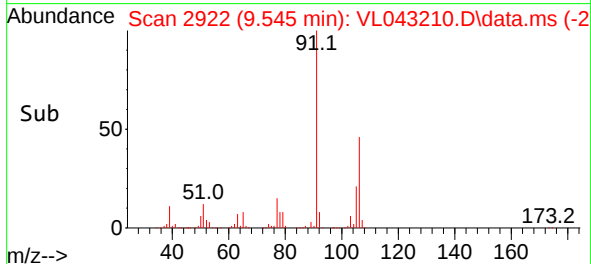
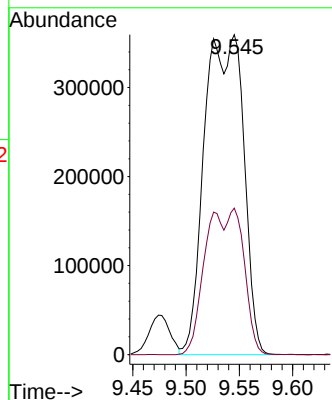
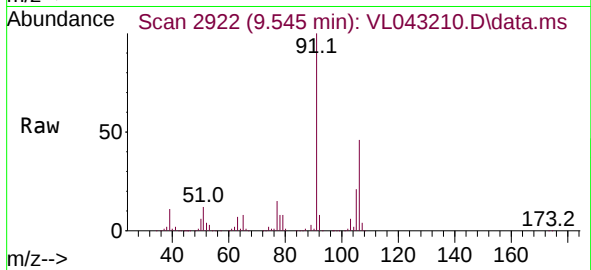
#59
m/p-Xylene
Concen: 28.000 ppbv m
RT: 9.545 min Scan# 2921
Delta R.T. 0.003 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tgt Ion: 91 Resp: 916113
Ion Ratio Lower Upper
91 100
106 45.1 36.1 54.1

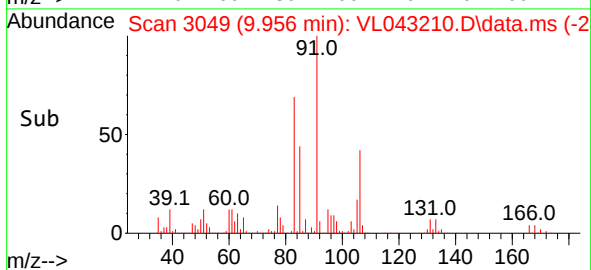
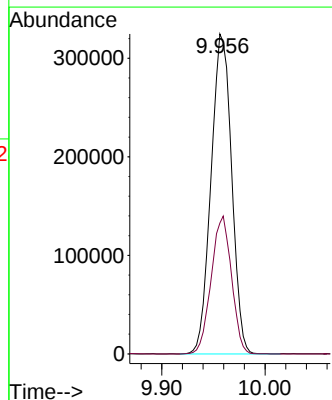
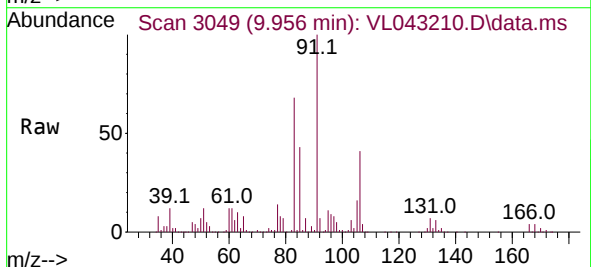
Manual Integrations
APPROVED

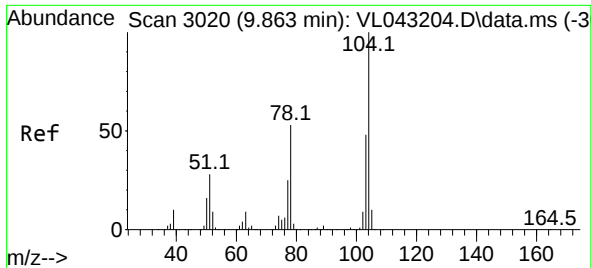
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025



#60
o-Xylene
Concen: 13.826 ppbv
RT: 9.956 min Scan# 3049
Delta R.T. -0.000 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

Tgt Ion: 91 Resp: 450260
Ion Ratio Lower Upper
91 100
106 42.4 20.9 62.8





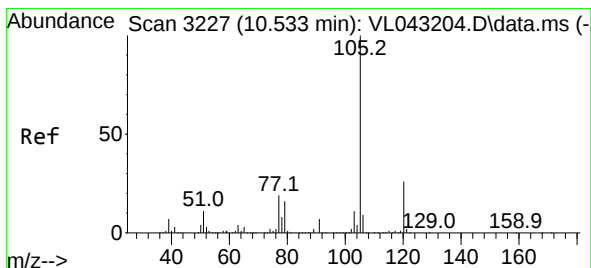
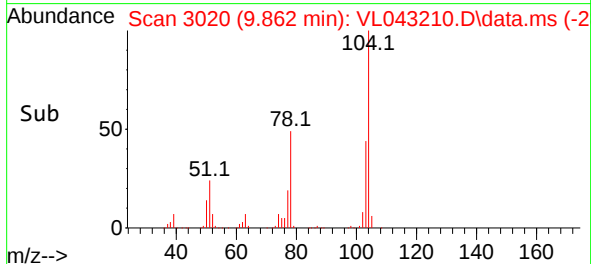
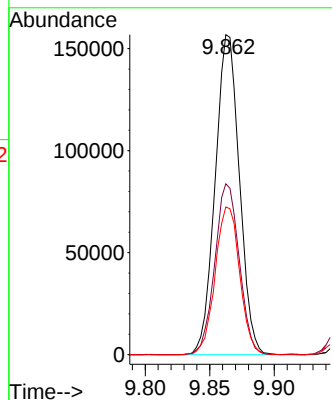
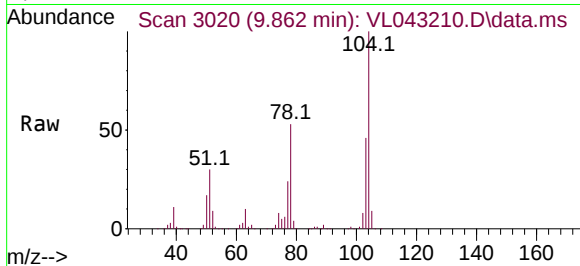
#61
Styrene
Concen: 14.382 ppbv
RT: 9.862 min Scan# 3020
Delta R.T. -0.000 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tgt Ion:104 Resp: 204972
Ion Ratio Lower Upper
104 100
78 53.7 42.1 63.1
103 46.9 37.2 55.8

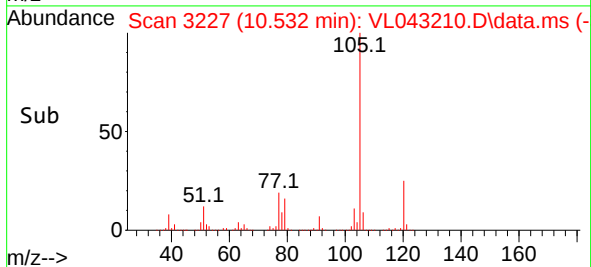
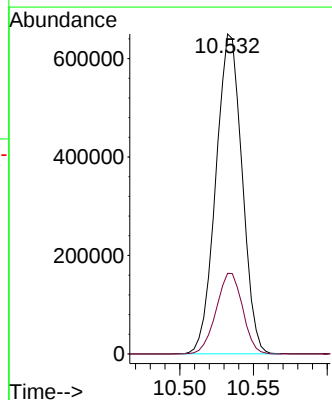
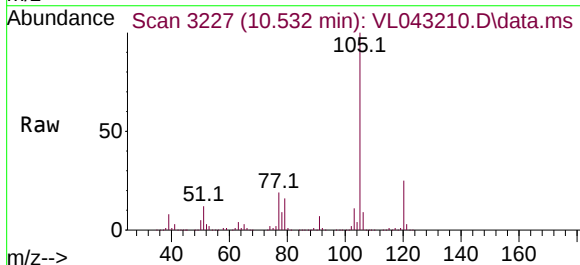
Manual Integrations
APPROVED

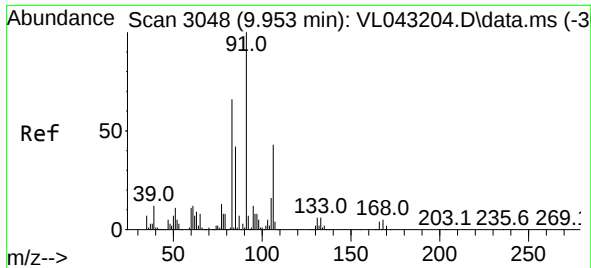
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025



#62
Isopropylbenzene
Concen: 13.791 ppbv
RT: 10.532 min Scan# 3227
Delta R.T. -0.000 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

Tgt Ion:105 Resp: 803487
Ion Ratio Lower Upper
105 100
120 25.3 19.8 29.8





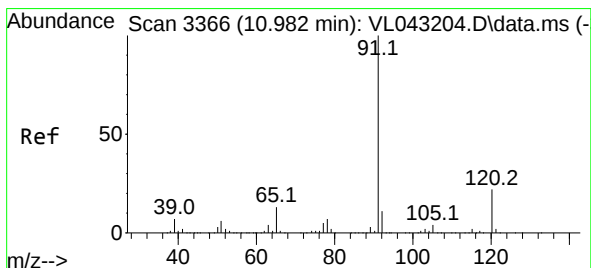
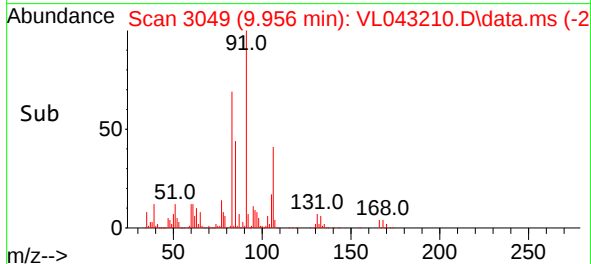
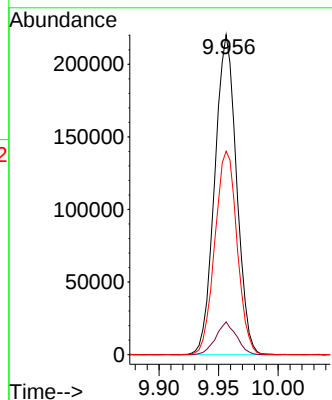
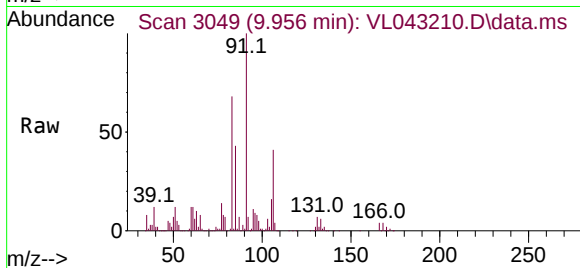
#63
1,1,2,2-Tetrachloroethane
Concen: 13.557 ppbv
RT: 9.956 min Scan# 3048
Delta R.T. 0.003 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tgt Ion: 83 Resp: 280254
Ion Ratio Lower Upper
83 100
131 9.7 4.8 14.3
85 64.9 31.9 95.9

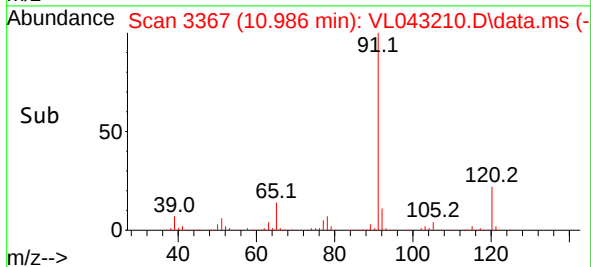
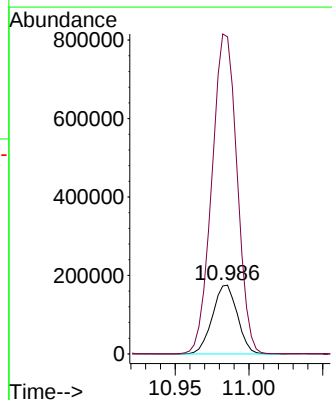
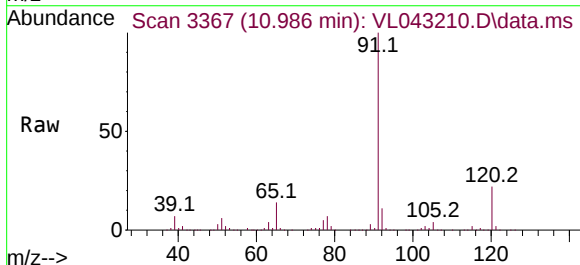
Manual Integrations
APPROVED

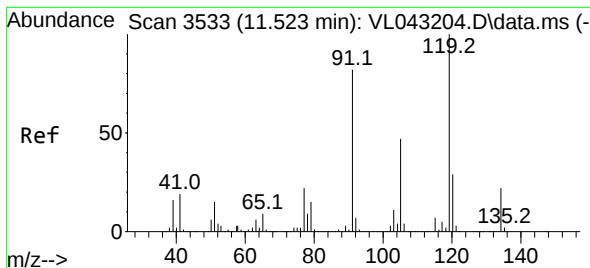
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025



#64
n-propylbenzene
Concen: 13.737 ppbv
RT: 10.986 min Scan# 3367
Delta R.T. 0.003 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

Tgt Ion:120 Resp: 205637
Ion Ratio Lower Upper
120 100
91 471.6 377.1 565.7





#65

tert-Butylbenzene

Concen: 13.249 ppbv

RT: 11.526 min Scan# 3533

Delta R.T. 0.003 min

Lab File: VL043210.D

Acq: 18 Nov 2025 13:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

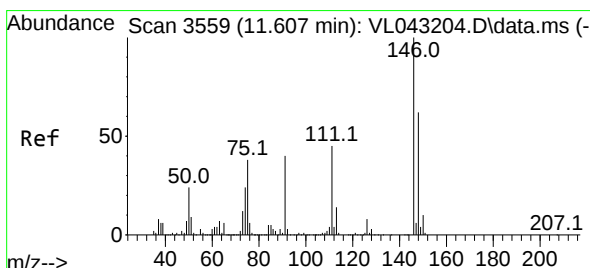
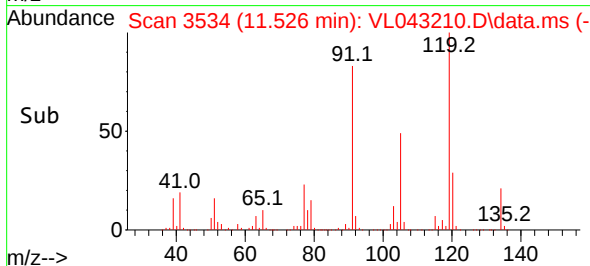
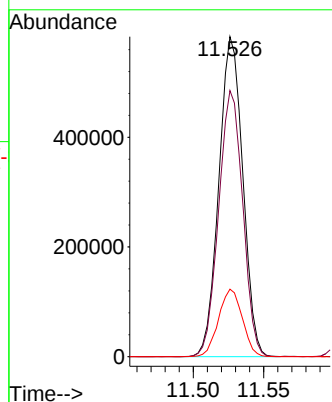
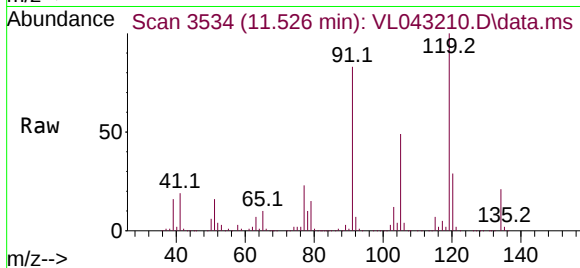
Tgt Ion:119 Resp: 689352

Ion	Ratio	Lower	Upper
119	100		
91	83.7	65.3	97.9
134	20.9	17.0	25.4

Manual Integrations

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



#66

Benzyl Chloride

Concen: 13.520 ppbv

RT: 11.610 min Scan# 3560

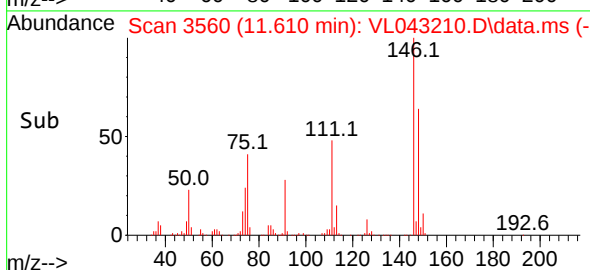
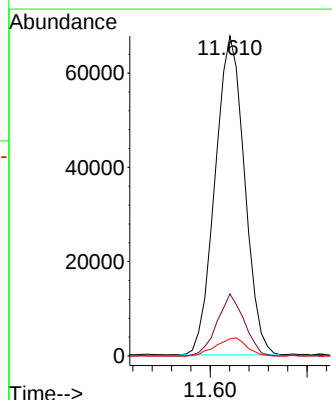
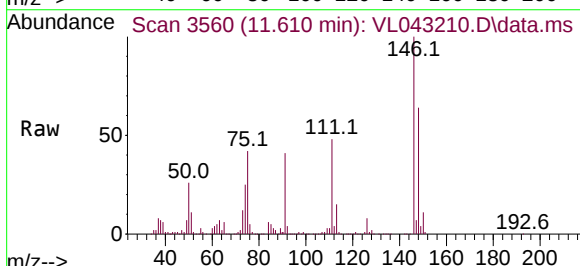
Delta R.T. 0.003 min

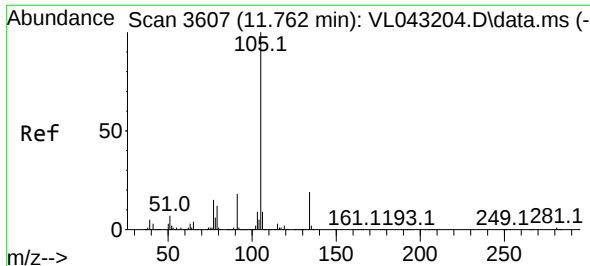
Lab File: VL043210.D

Acq: 18 Nov 2025 13:24

Tgt Ion: 91 Resp: 71386

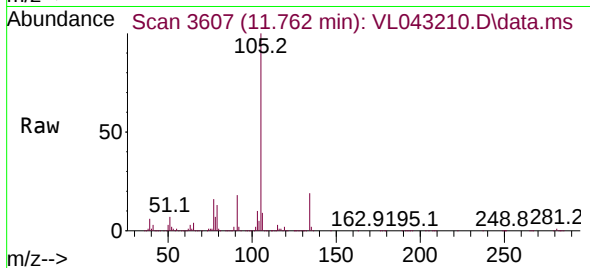
Ion	Ratio	Lower	Upper
91	100		
126	17.9	14.4	21.6
128	5.9	4.6	6.8





#67
 sec-Butylbenzene
 Concen: 13.394 ppbv
 RT: 11.762 min Scan# 3607
 Delta R.T. -0.000 min
 Lab File: VL043210.D
 Acq: 18 Nov 2025 13:24

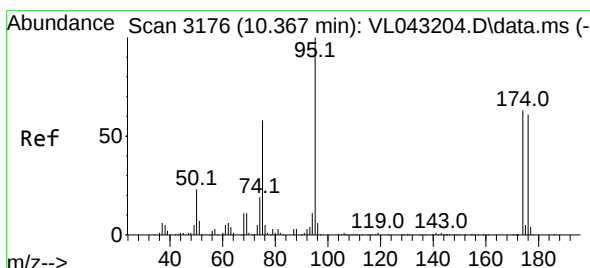
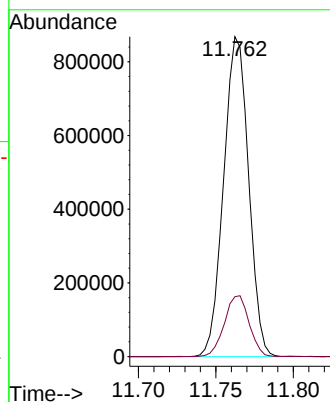
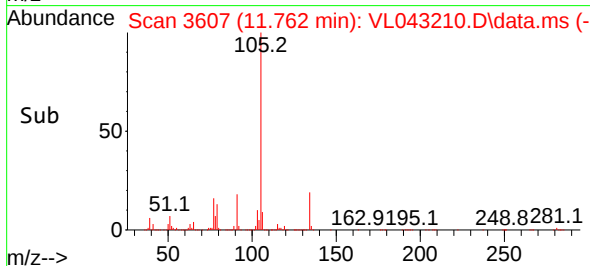
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015



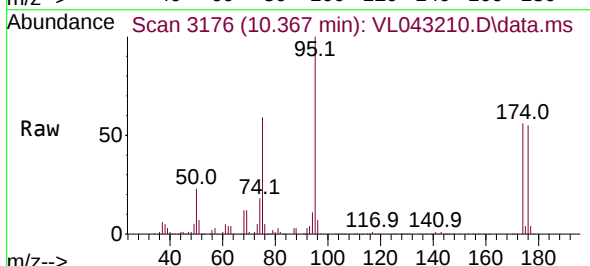
Tgt Ion:105 Resp: 972780
 Ion Ratio Lower Upper
 105 100
 134 18.9 15.0 22.6

Manual Integrations
 APPROVED

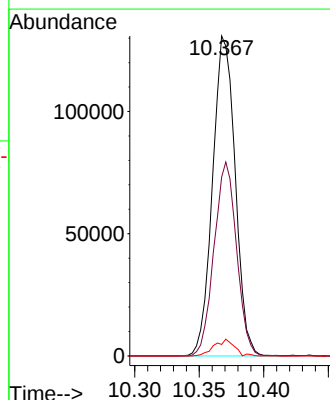
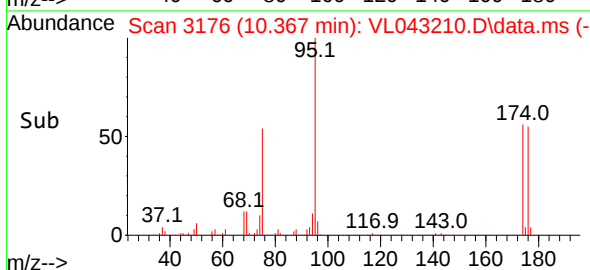
Reviewed By :Semsettin Yesilyurt 11/19/2025
 Supervised By :Mahesh Dadoda 11/19/2025

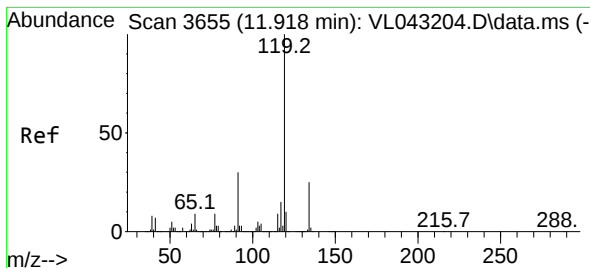


#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.321 ppbv
 RT: 10.367 min Scan# 3176
 Delta R.T. -0.000 min
 Lab File: VL043210.D
 Acq: 18 Nov 2025 13:24



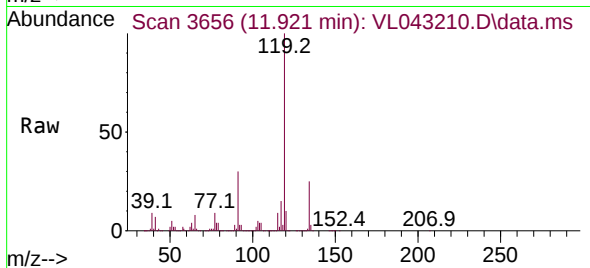
Tgt Ion: 95 Resp: 159814
 Ion Ratio Lower Upper
 95 100
 174 60.3 50.2 75.2
 175 4.7 4.1 6.1





#69
p-Isopropyltoluene
Concen: 13.602 ppbv
RT: 11.921 min Scan# 3656
Delta R.T. 0.003 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

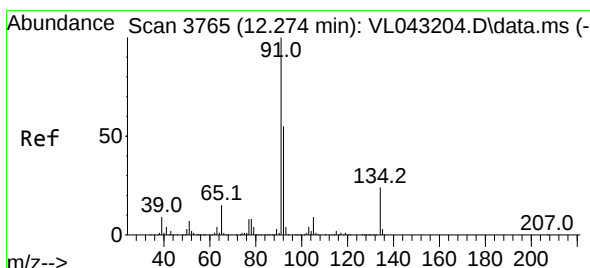
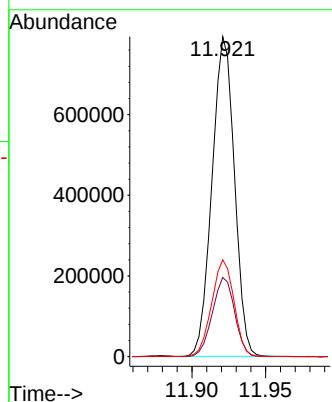
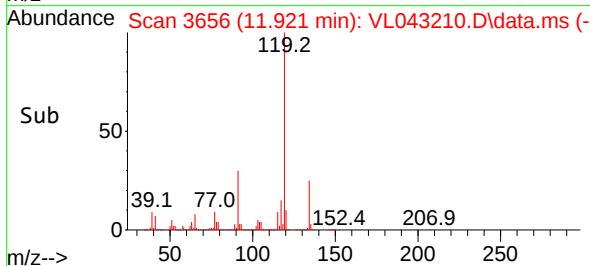
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



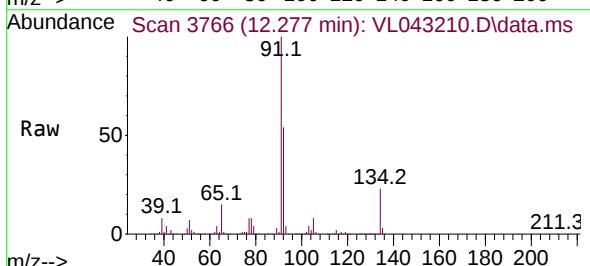
Tgt Ion:119 Resp: 836888
Ion Ratio Lower Upper
119 100
134 24.8 20.2 30.2
91 30.3 23.8 35.8

Manual Integrations
APPROVED

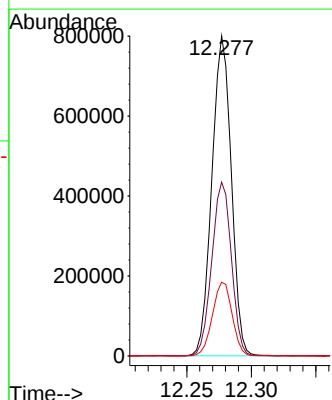
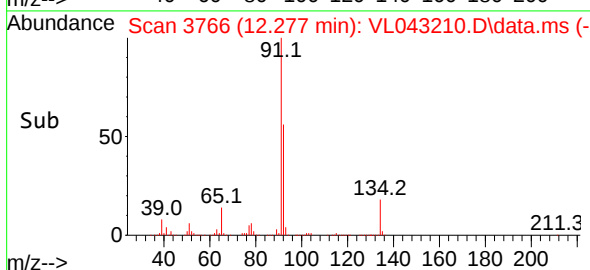
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

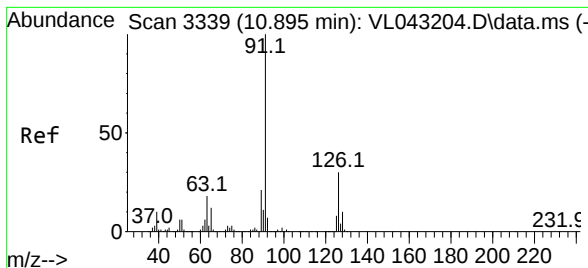


#70
n-Butylbenzene
Concen: 14.050 ppbv
RT: 12.277 min Scan# 3766
Delta R.T. 0.003 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24



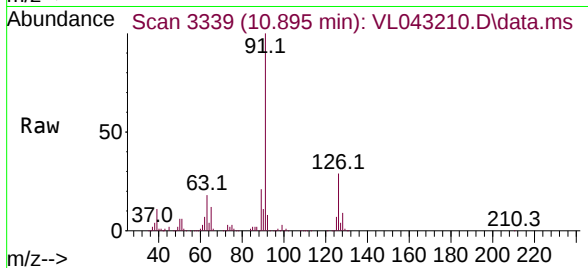
Tgt Ion: 91 Resp: 838598
Ion Ratio Lower Upper
91 100
92 54.9 43.5 65.3
134 23.4 19.0 28.6





#71
2-Chlorotoluene
Concen: 13.976 ppbv
RT: 10.895 min Scan# 3339
Delta R.T. -0.000 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

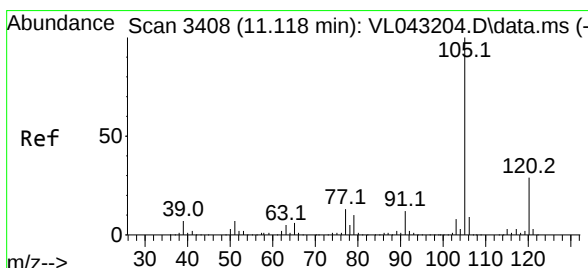
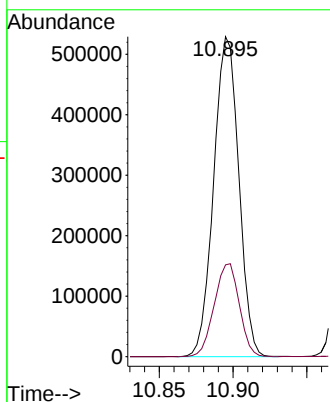
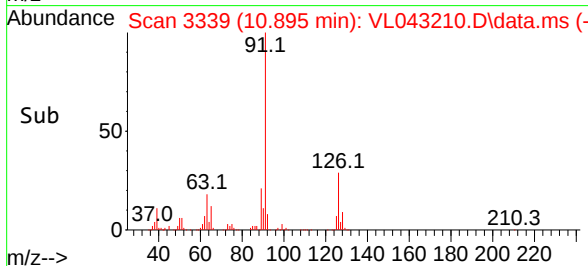
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



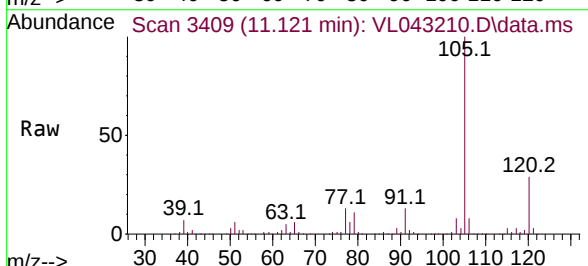
Tgt Ion: 91 Resp: 625884
Ion Ratio Lower Upper
91 100
126 28.9 11.7 46.7

Manual Integrations
APPROVED

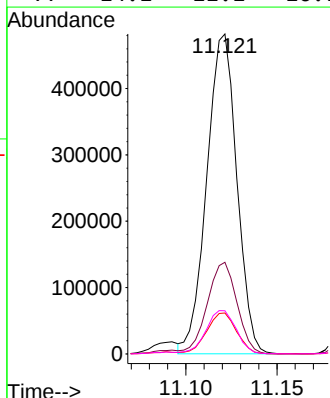
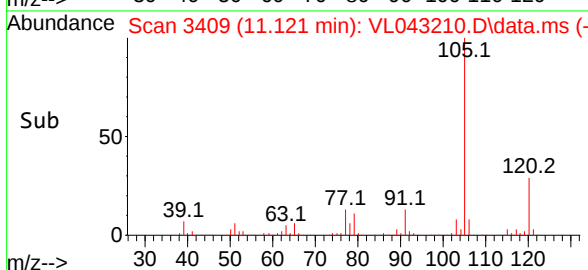
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

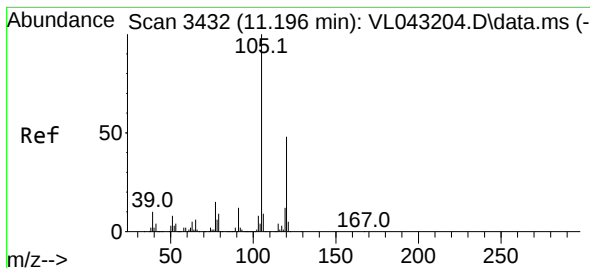


#72
4-Ethyltoluene
Concen: 13.961 ppbv
RT: 11.121 min Scan# 3409
Delta R.T. 0.003 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24



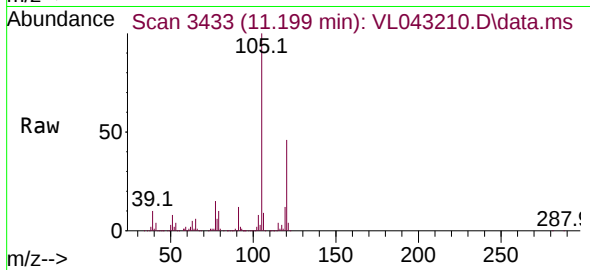
Tgt Ion:105 Resp: 553654
Ion Ratio Lower Upper
105 100
120 29.3 23.8 35.8
91 13.2 10.3 15.5
77 14.1 11.1 16.7





#73
1,3,5-Trimethylbenzene
Concen: 13.846 ppbv
RT: 11.199 min Scan# 3432
Delta R.T. 0.003 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

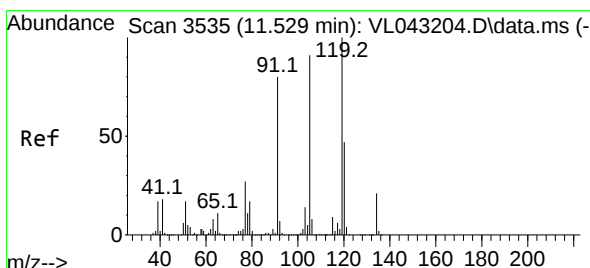
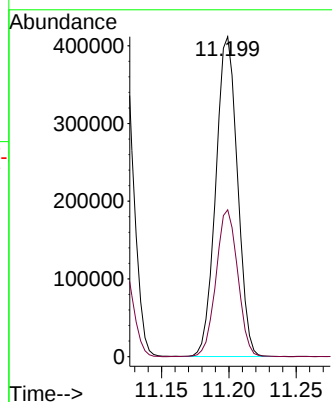
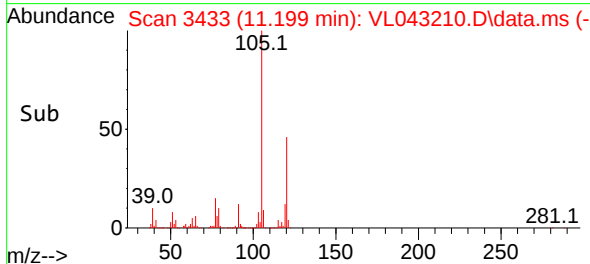
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



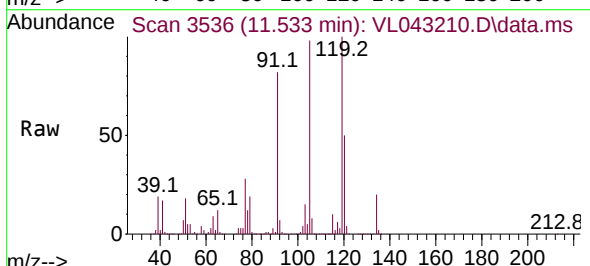
Tgt Ion:105 Resp: 460783
Ion Ratio Lower Upper
105 100
120 45.9 38.6 57.8

Manual Integrations
APPROVED

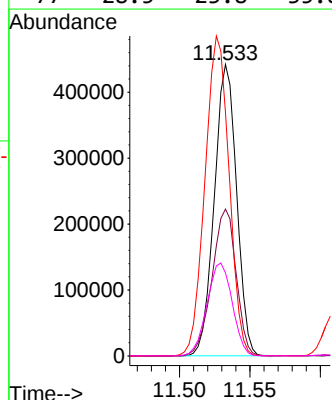
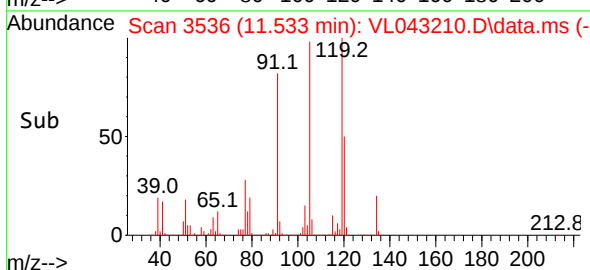
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

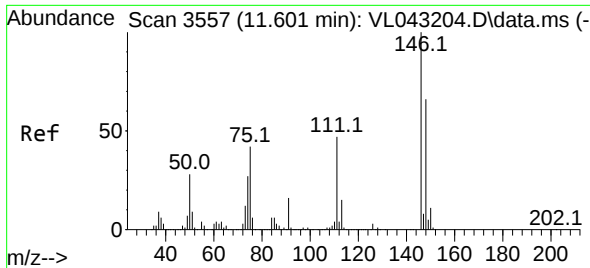


#74
1,2,4-Trimethylbenzene
Concen: 13.409 ppbv
RT: 11.533 min Scan# 3536
Delta R.T. 0.003 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24



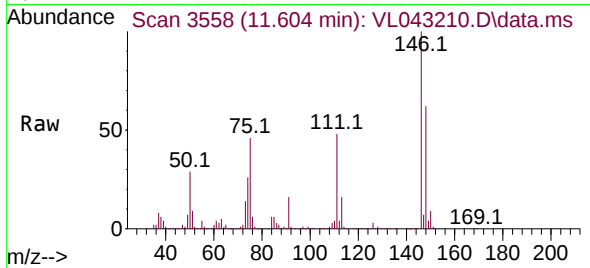
Tgt Ion:105 Resp: 486995
Ion Ratio Lower Upper
105 100
120 50.4 41.7 62.5
91 83.4 70.0 105.0
77 28.5 23.8 35.8





#75
1,3-Dichlorobenzene
Concen: 13.784 ppbv
RT: 11.604 min Scan# 3558
Delta R.T. 0.003 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

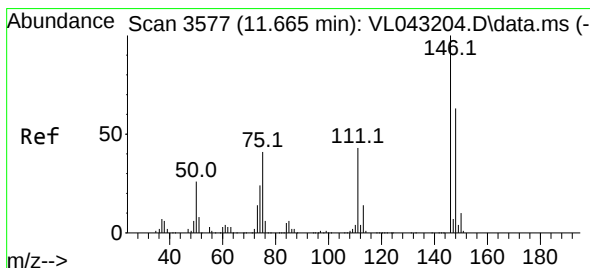
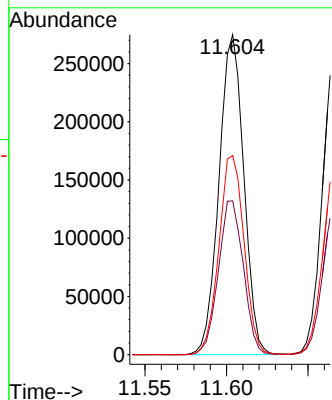
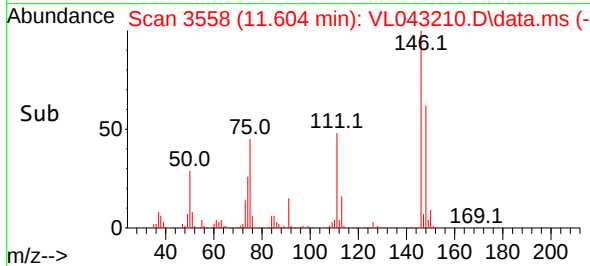
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



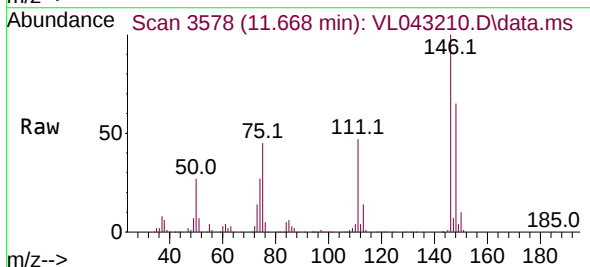
Tgt Ion:146 Resp: 292143
Ion Ratio Lower Upper
146 100
111 48.4 23.4 70.3
148 63.1 31.6 95.0

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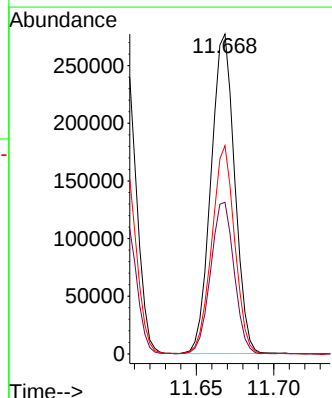
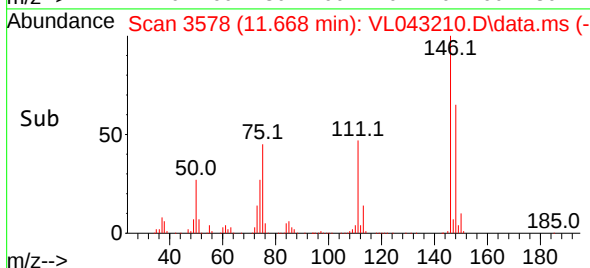
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

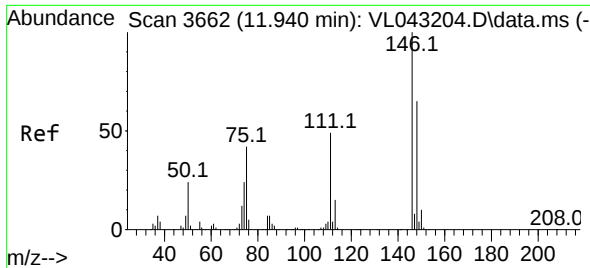


#76
1,4-Dichlorobenzene
Concen: 13.903 ppbv
RT: 11.668 min Scan# 3578
Delta R.T. 0.003 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24



Tgt Ion:146 Resp: 294723
Ion Ratio Lower Upper
146 100
111 47.2 22.8 68.3
148 63.2 31.8 95.4





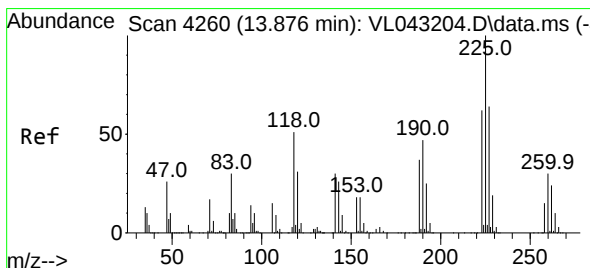
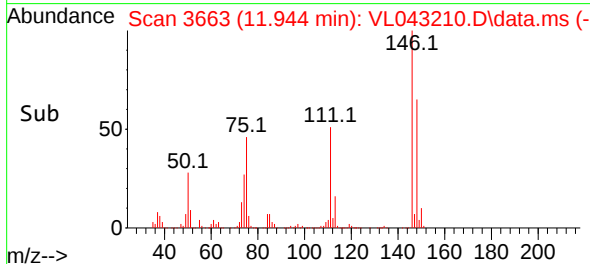
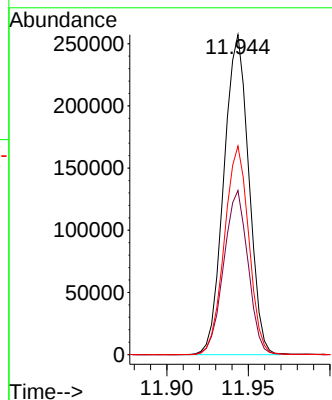
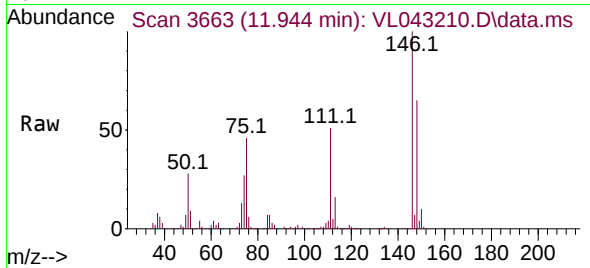
#77
1,2-Dichlorobenzene
Concen: 13.420 ppbv
RT: 11.944 min Scan# 3663
Delta R.T. 0.003 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tgt Ion:146 Resp: 273462
Ion Ratio Lower Upper
146 100
111 50.2 24.3 73.0
148 63.9 31.6 94.7

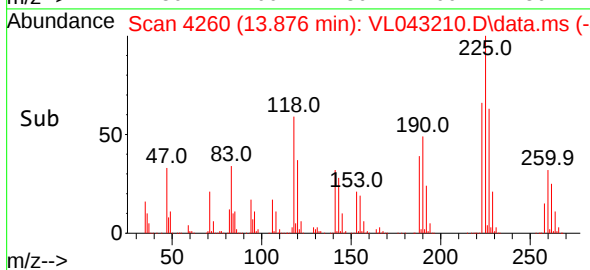
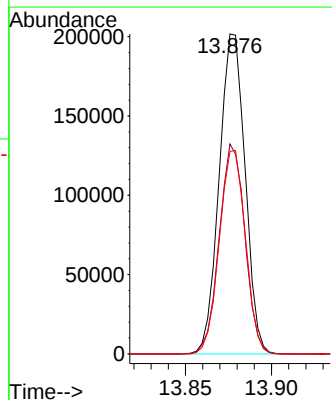
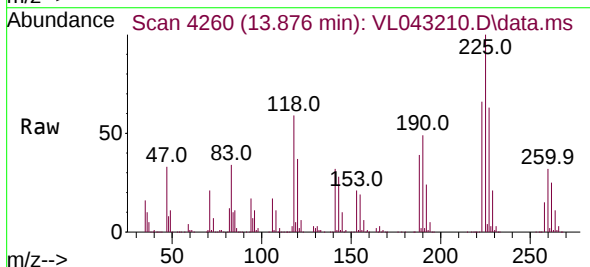
Manual Integrations
APPROVED

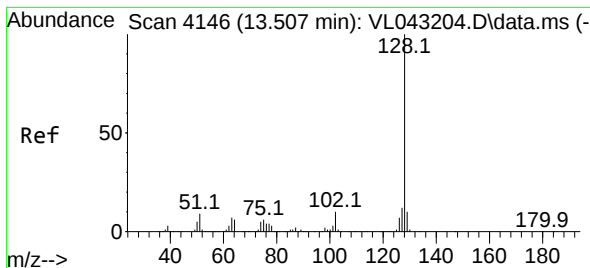
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025



#78
Hexachloro-1,3-Butadiene
Concen: 12.416 ppbv
RT: 13.876 min Scan# 4260
Delta R.T. -0.000 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

Tgt Ion:225 Resp: 211153
Ion Ratio Lower Upper
225 100
223 64.9 50.2 75.4
227 63.9 51.1 76.7





#79

Naphthalene

Concen: 14.670 ppbv

RT: 13.510 min Scan# 4146

Delta R.T. 0.003 min

Lab File: VL043210.D

Acq: 18 Nov 2025 13:24

Instrument :

MSVOA_L

ClientSampleId :

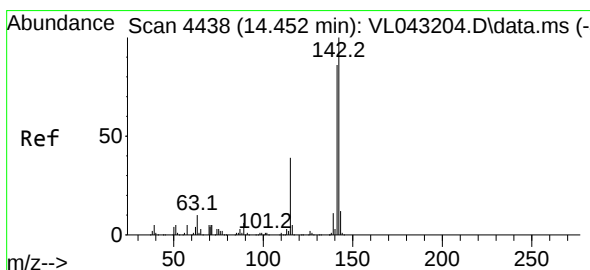
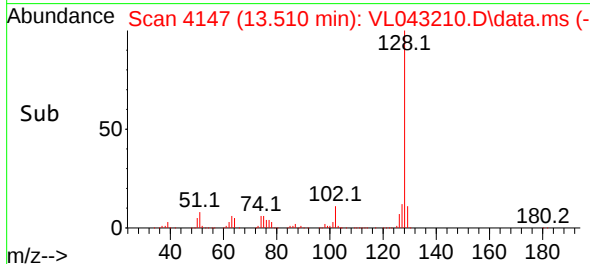
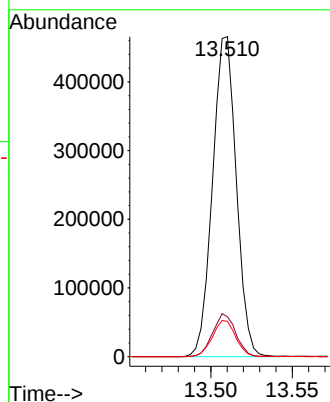
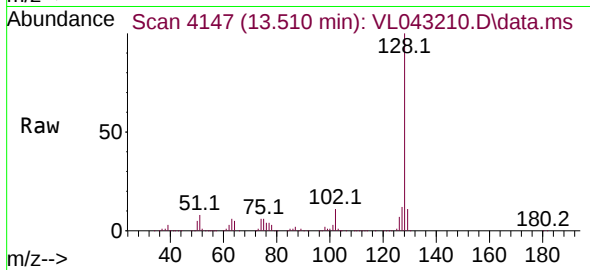
VSTDICC015

Tgt Ion:	128	Resp:	473229
Ion Ratio	Lower	Upper	
128	100		
127	12.4	9.9	14.9
129	11.1	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: 16.418 ppbv

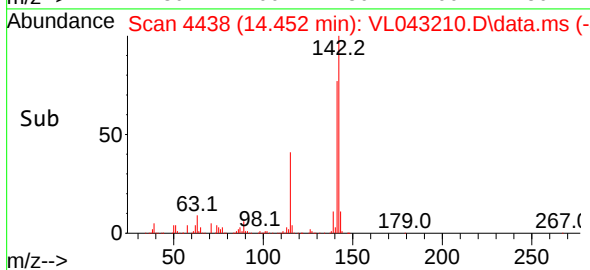
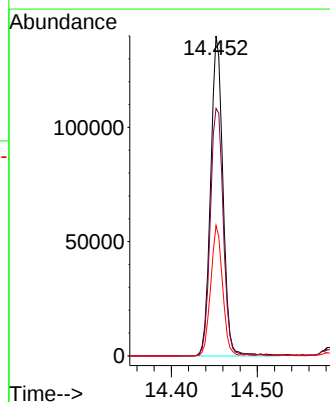
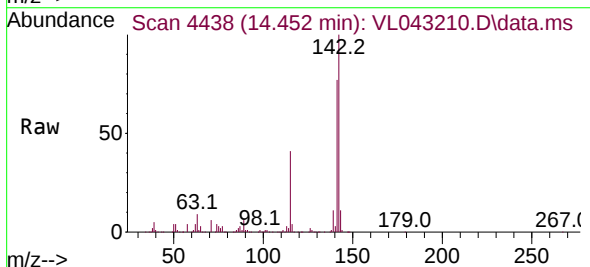
RT: 14.452 min Scan# 4438

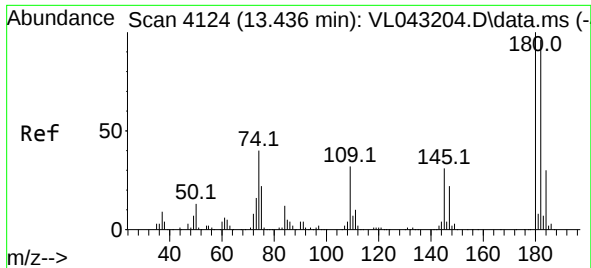
Delta R.T. -0.000 min

Lab File: VL043210.D

Acq: 18 Nov 2025 13:24

Tgt Ion:	142	Resp:	139019
Ion Ratio	Lower	Upper	
142	100		
141	82.6	67.1	100.7
115	40.2	31.9	47.9





#81

1,2,4-Trichlorobenzene

Concen: 14.990 ppbv

RT: 13.436 min Scan# 41

Delta R.T. -0.000 min

Lab File: VL043210.D

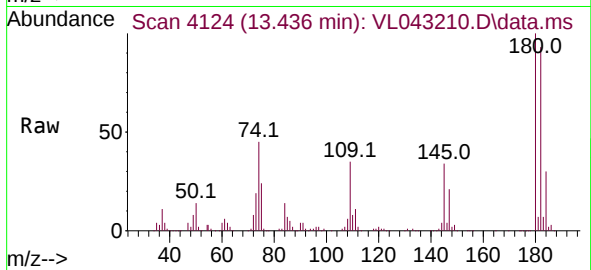
Acq: 18 Nov 2025 13:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015



Tgt Ion:180 Resp: 216260

Ion Ratio Lower Upper

180 100

182 95.3 77.4 116.2

184 30.1 24.2 36.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/19/2025

Supervised By :Mahesh Dadoda 11/19/2025

