

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111825\
 Data File : VL043211.D
 Acq On : 18 Nov 2025 13:56
 Operator : SY/MD
 Sample : VSTDICV010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL111825

Manual Integrations
 APPROVED

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

Quant Time: Nov 19 01:34:00 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 01:11:25 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.784	49	97854	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.956	114	261914	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.879	117	216212	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.374 95 159242 10.048 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 100.500%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.499	85	133374	9.664	ppbv	98
3) Chlorodifluoromethane	1.476	51	124858	9.199	ppbv	98
4) Chloromethane	1.535	50	46906	9.090	ppbv	95
5) Vinyl Chloride	1.580	62	47932	8.493	ppbv	95
6) Bromomethane	1.667	94	22230	8.126	ppbv	99
7) Chloroethane	1.703	64	19854	9.033	ppbv	98
8) Dichlorotetrafluoroethane	1.554	85	110587	9.632	ppbv	97
9) Propene	1.483	41	54006m	9.370	ppbv	
10) Heptane	4.975	43	149202	8.698	ppbv	99
11) Trichlorofluoromethane	1.878	101	134746	10.077	ppbv	97
12) 1,1,2-Trichlorotrifluo...	2.140	101	100984	9.673	ppbv	99
13) Ethanol	1.719	45	15371	7.584	ppbv	92
14) Bromoethene	1.781	108	36979	9.240	ppbv	98
15) Acetone	1.832	43	104830	7.711	ppbv	99
16) 1,3-Butadiene	1.609	39	54795	9.041	ppbv	96
17) tert-Butyl alcohol	2.036	59	164987	9.245	ppbv	99
18) 1,1-Dichloroethene	2.033	96	43833	9.017	ppbv	99
19) Isopropyl Alcohol	1.884	45	64772	8.431	ppbv	97
20) Methylene Chloride	2.062	84	41254	10.323	ppbv	95
21) Allyl Chloride	2.095	41	75516	8.256	ppbv	97
22) trans-1,2-Dichloroethene	2.341	96	50228	9.041	ppbv	92
23) Vinyl Acetate	2.460	43	140156	8.539	ppbv	98
24) 1,1-Dichloroethane	2.409	63	103187	9.622	ppbv	97
25) Ethyl Acetate	2.829	43	258609	8.820	ppbv	99
26) Hexane	2.826	57	114312	8.892	ppbv	98
27) Carbon Disulfide	2.150	76	125048	9.528	ppbv	97
28) Methyl tert-Butyl Ether	2.438	73	64183	10.171	ppbv	98
29) Chloroform	2.846	83	173977	9.521	ppbv	99
30) Cyclohexane	3.852	84	98598	9.148	ppbv	97
31) cis-1,2-Dichloroethene	2.719	61	119843	9.379	ppbv	98
32) 1,1,1-Trichloroethane	3.363	97	182262	9.358	ppbv	98
34) 2-Butanone	2.551	43	160977	8.707	ppbv	98
35) Carbon Tetrachloride	3.761	117	182902	9.200	ppbv	98
36) Benzene	3.655	78	233094	9.293	ppbv	99
37) 1,2-Dichloroethane	3.214	62	143363	9.772	ppbv	98
38) Trichloroethene	4.542	130	90993	9.272	ppbv	95
39) 1,2-Dichloropropane	4.305	63	83416	9.086	ppbv	95
40) 1,4-Dioxane	4.571	88	32109	7.780	ppbv #	95
41) Tetrahydrofuran	3.046	42	90769	8.891	ppbv	98
42) Bromodichloromethane	4.486	83	195442	9.657	ppbv	96
43) Methyl Methacrylate	4.872	69	116325	8.737	ppbv	98
44) 2,2,4-Trimethylpentane	4.635	57	393438	9.133	ppbv	99
45) t-1,3-Dichloropropene	6.409	75	97587	7.863	ppbv	100

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

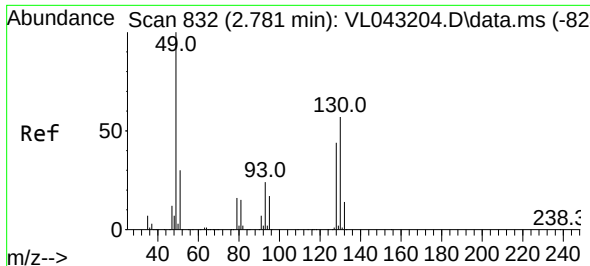
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Wed Nov 19 01:11:25 2025

Response via : Initial Calibration

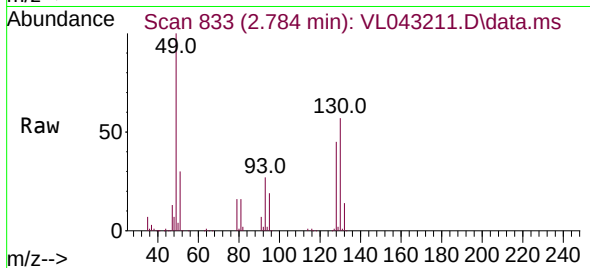
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.593	75	115476	7.924	ppbv	97
47) 1,1,2-Trichloroethane	6.577	97	88525	9.086	ppbv	95
48) Dibromochloromethane	7.380	129	159365	9.514	ppbv	99
49) Bromoform	9.477	173	134790	9.085	ppbv	99
50) 4-Methyl-2-Pentanone	5.742	43	224791	8.631	ppbv	99
51) 2-Hexanone	7.429	43	166506	8.233	ppbv #	100
52) Tetrachloroethene	8.222	164	82890	8.884	ppbv	98
53) Toluene	6.924	91	273172	9.197	ppbv	99
54) 1,2-Dibromoethane	7.645	107	124804	8.705	ppbv	99
56) 1,1,1,2-Tetrachloroethane	8.921	131	142512	8.969	ppbv	98
57) Chlorobenzene	8.917	112	199373	8.981	ppbv	96
58) Ethyl Benzene	9.351	91	381474	9.167	ppbv	97
59) m/p-Xylene	9.549	91	604165m	18.108	ppbv	
60) o-Xylene	9.960	91	295836	8.876	ppbv	99
61) Styrene	9.866	104	127117	8.714	ppbv	97
62) Isopropylbenzene	10.536	105	525717	8.816	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.960	83	178591	8.421	ppbv	100
64) n-propylbenzene	10.986	120	131634	8.591	ppbv	96
65) tert-Butylbenzene	11.529	119	450819	8.465	ppbv	99
66) Benzyl Chloride	11.614	91	27878	5.159	ppbv	99
67) sec-Butylbenzene	11.766	105	623520	8.388	ppbv	100
69) p-Isopropyltoluene	11.924	119	520880	8.272	ppbv	99
70) n-Butylbenzene	12.280	91	513027	8.398	ppbv	99
71) 2-Chlorotoluene	10.898	91	396434	8.649	ppbv	99
72) 4-Ethyltoluene	11.122	105	356325	8.779	ppbv	99
73) 1,3,5-Trimethylbenzene	11.199	105	294977	8.660	ppbv	95
74) 1,2,4-Trimethylbenzene	11.533	105	314606	8.463	ppbv	94
75) 1,3-Dichlorobenzene	11.604	146	180491	8.320	ppbv	99
76) 1,4-Dichlorobenzene	11.669	146	179491	8.273	ppbv	99
77) 1,2-Dichlorobenzene	11.944	146	166137	7.966	ppbv	99
78) Hexachloro-1,3-Butadiene	13.879	225	125707	7.222	ppbv	100
79) Naphthalene	13.510	128	273029	8.270	ppbv	99
80) Naphthalene,2-methyl-	14.455	142	74802	8.631	ppbv	97
81) 1,2,4-Trichlorobenzene	13.436	180	125470	8.497	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: VL043211.D
Acq: 18 Nov 2025 13:56

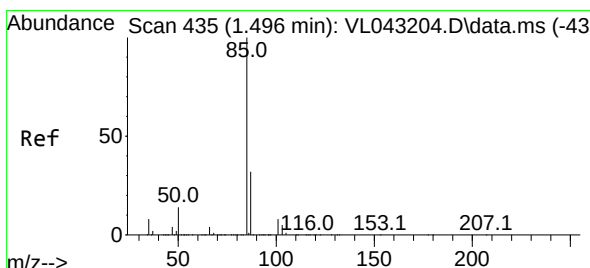
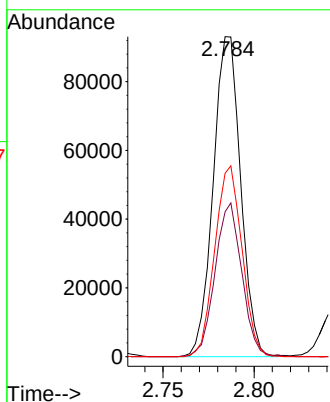
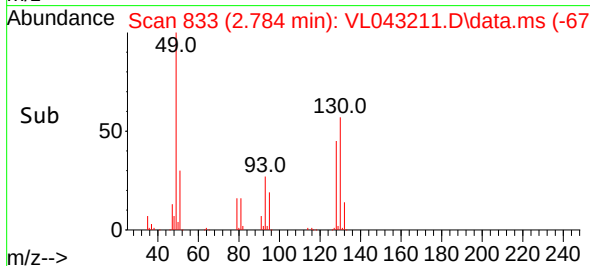
Instrument :
MSVOA_L
ClientSampleId :
ICVVL111825



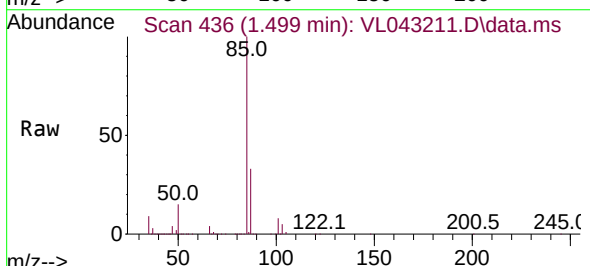
Tgt Ion: 49 Resp: 97854
Ion Ratio Lower Upper
49 100
128 46.7 23.0 69.0
130 59.0 29.9 89.7

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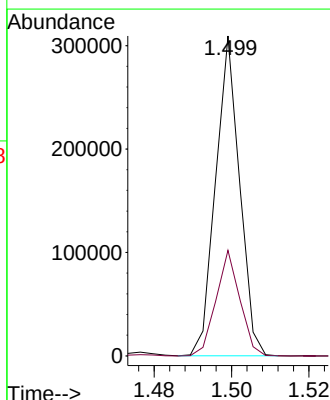
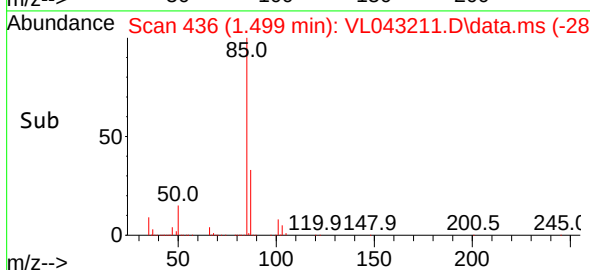
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

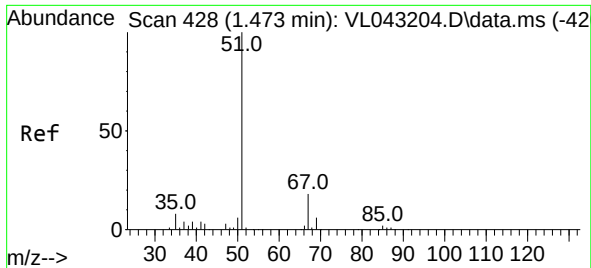


#2
Dichlorodifluoromethane
Concen: 9.664 ppbv
RT: 1.499 min Scan# 436
Delta R.T. 0.003 min
Lab File: VL043211.D
Acq: 18 Nov 2025 13:56



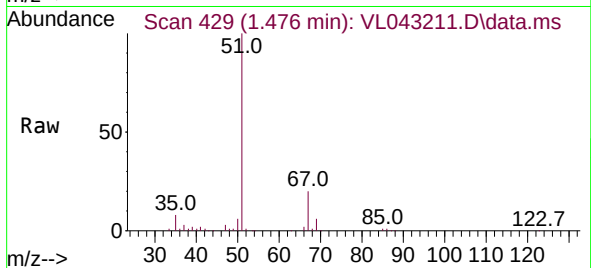
Tgt Ion: 85 Resp: 133374
Ion Ratio Lower Upper
85 100
87 33.0 25.4 38.2





#3
Chlorodifluoromethane
Concen: 9.199 ppbv
RT: 1.476 min Scan# 428
Delta R.T. 0.003 min
Lab File: VL043211.D
Acq: 18 Nov 2025 13:56

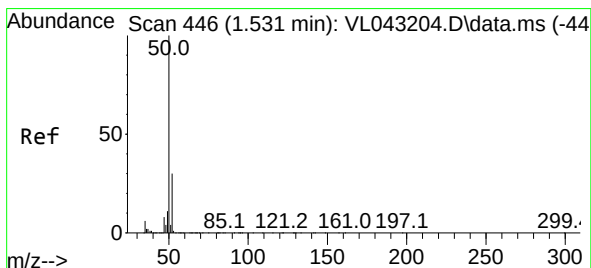
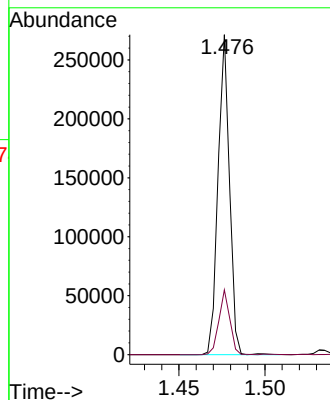
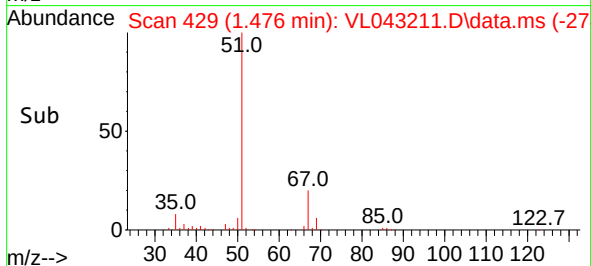
Instrument : MSVOA_L
ClientSampleId : ICVVL111825



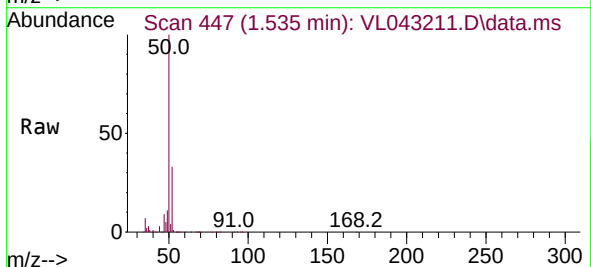
Tgt Ion: 51 Resp: 124858
Ion Ratio Lower Upper
51 100
67 19.6 14.9 22.3

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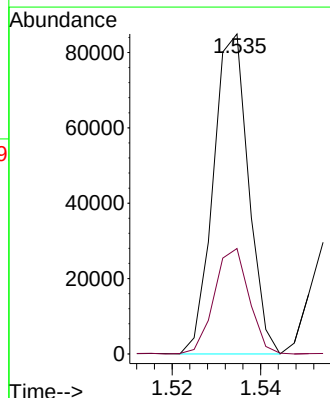
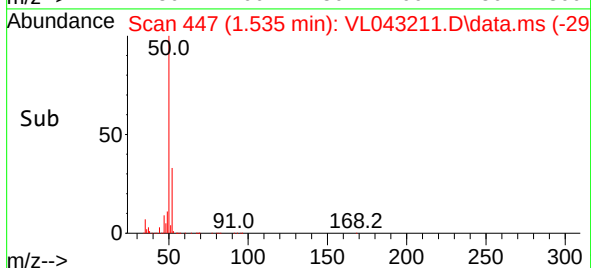
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

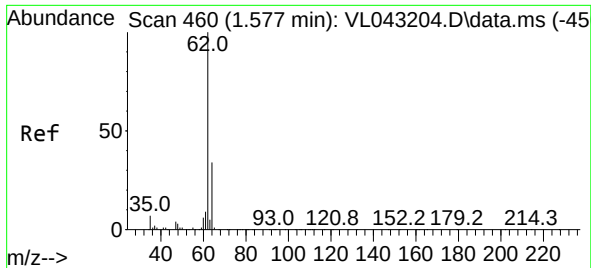


#4
Chloromethane
Concen: 9.090 ppbv
RT: 1.535 min Scan# 447
Delta R.T. 0.003 min
Lab File: VL043211.D
Acq: 18 Nov 2025 13:56



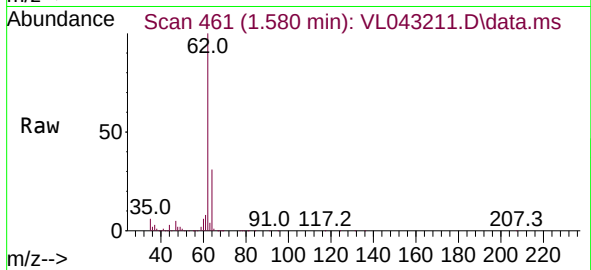
Tgt Ion: 50 Resp: 46906
Ion Ratio Lower Upper
50 100
52 32.8 24.1 36.1





#5
 Vinyl Chloride
 Concen: 8.493 ppbv
 RT: 1.580 min Scan# 461
 Delta R.T. 0.003 min
 Lab File: VL043211.D
 Acq: 18 Nov 2025 13:56

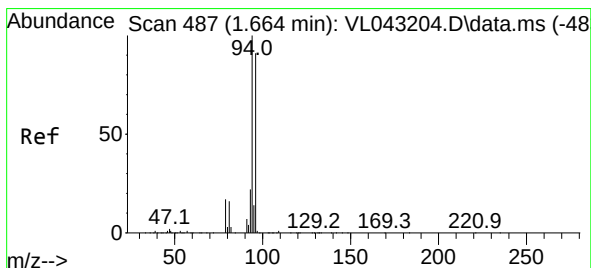
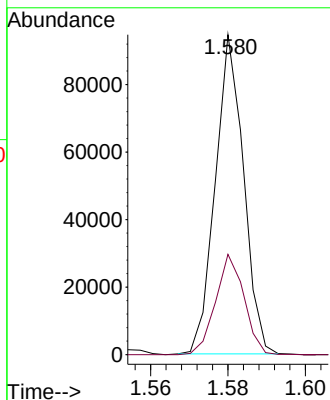
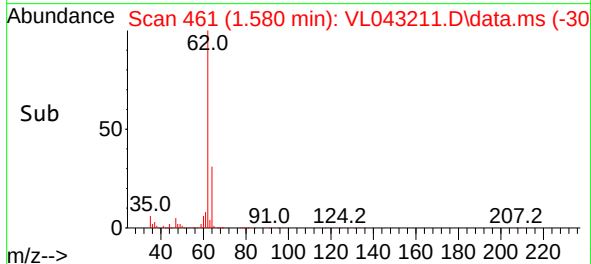
Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL111825



Tgt Ion: 62 Resp: 47932
 Ion Ratio Lower Upper
 62 100
 64 31.4 27.3 40.9

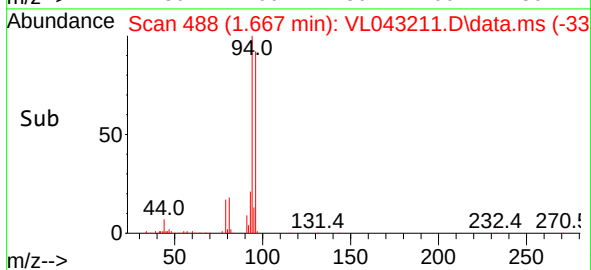
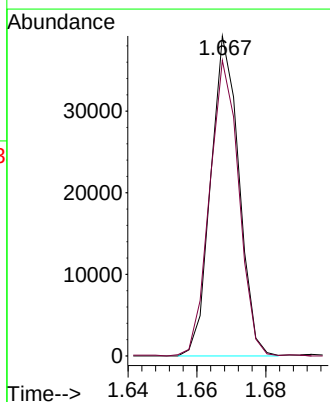
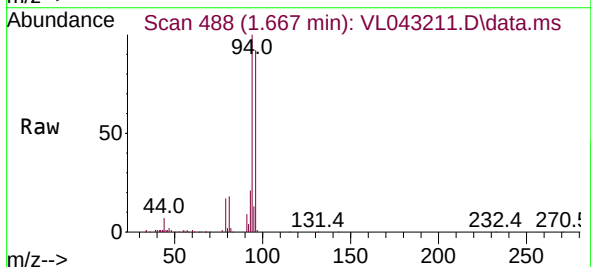
Manual Integrations
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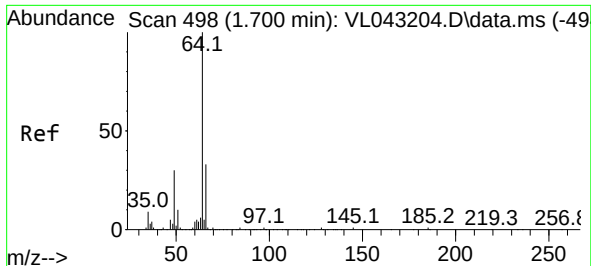
Reviewed By :Semsettin Yesilyurt 11/19/2025
 Supervised By :Mahesh Dadoda 11/19/2025



#6
 Bromomethane
 Concen: 8.126 ppbv
 RT: 1.667 min Scan# 488
 Delta R.T. 0.003 min
 Lab File: VL043211.D
 Acq: 18 Nov 2025 13:56

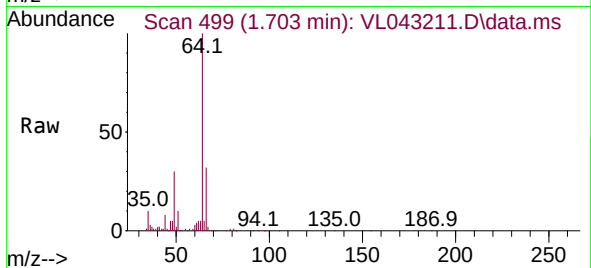
Tgt Ion: 94 Resp: 22230
 Ion Ratio Lower Upper
 94 100
 96 92.2 72.9 109.3





#7
Chloroethane
Concen: 9.033 ppbv
RT: 1.703 min Scan# 49
Delta R.T. 0.003 min
Lab File: VL043211.D
Acq: 18 Nov 2025 13:56

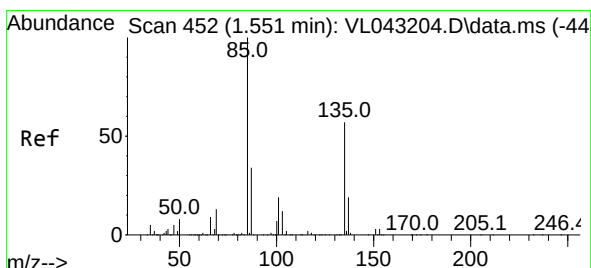
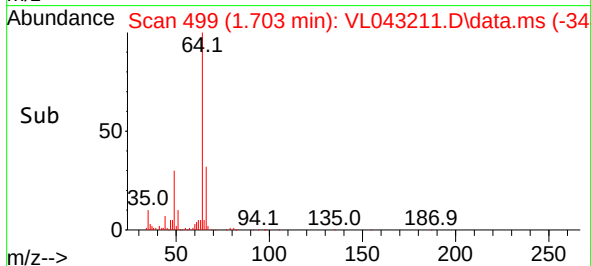
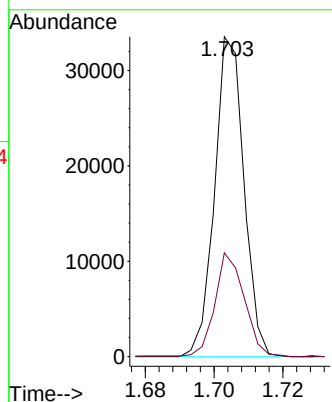
Instrument :
MSVOA_L
ClientSampleId :
ICVVL111825



Tgt Ion: 64 Resp: 19854
Ion Ratio Lower Upper
64 100
66 32.4 26.8 40.2

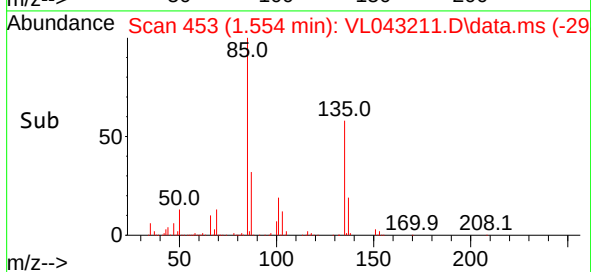
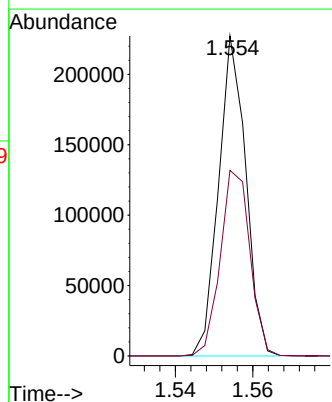
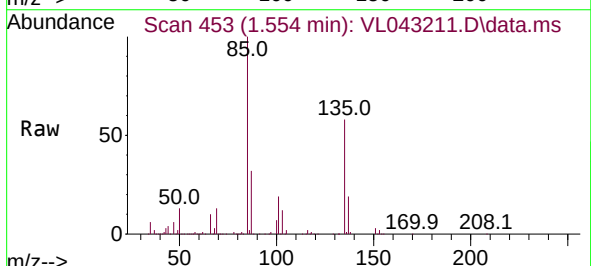
Manual Integrations
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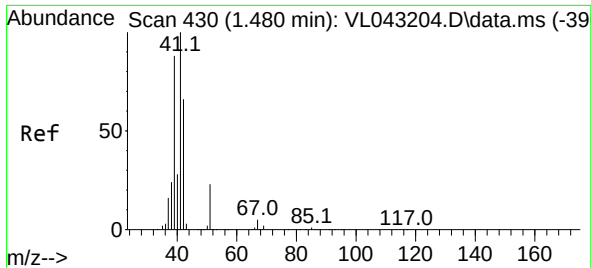
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025



#8
Dichlorotetrafluoroethane
Concen: 9.632 ppbv
RT: 1.554 min Scan# 453
Delta R.T. 0.003 min
Lab File: VL043211.D
Acq: 18 Nov 2025 13:56

Tgt Ion: 85 Resp: 110587
Ion Ratio Lower Upper
85 100
135 63.5 52.6 79.0





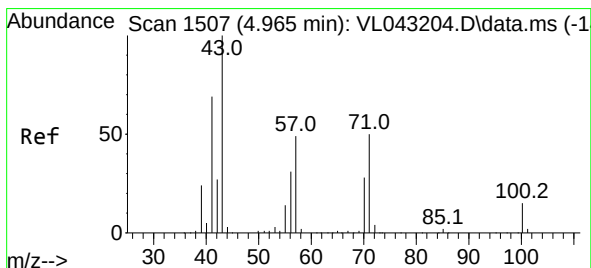
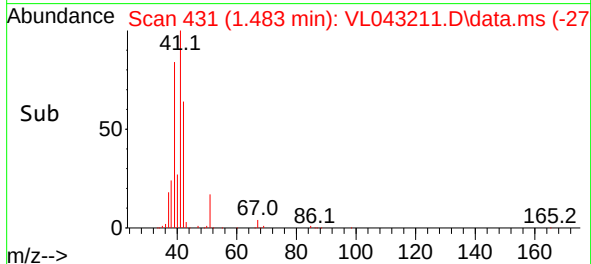
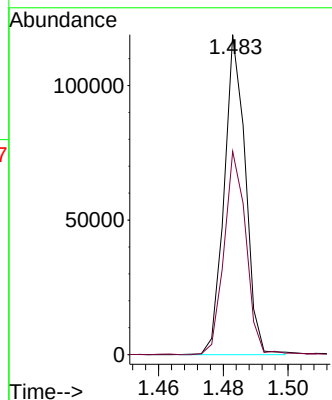
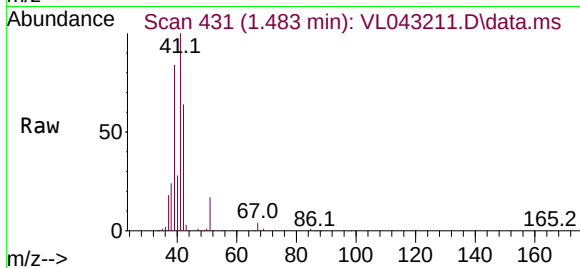
#9
Propene
Concen: 9.370 ppbv m
RT: 1.483 min Scan# 430
Delta R.T. 0.003 min
Lab File: VL043211.D
Acq: 18 Nov 2025 13:56

Instrument :
MSVOA_L
ClientSampleId :
ICVVL111825

Tgt Ion: 41 Resp: 54000
Ion Ratio Lower Upper
41 100
42 4.4 3.7 5.5

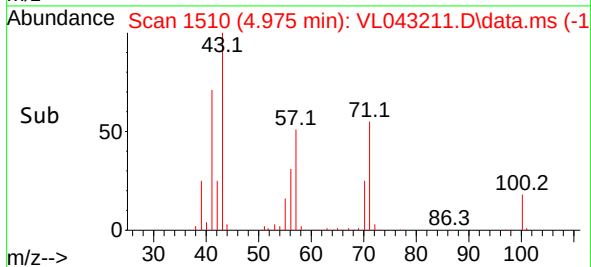
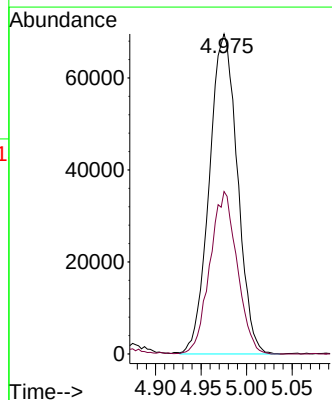
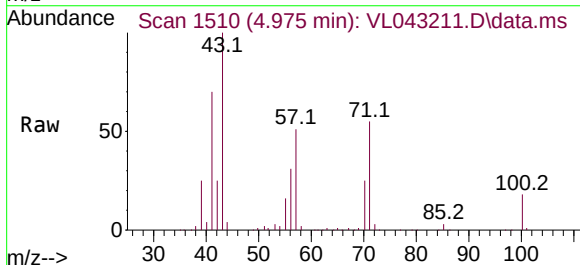
Manual Integrations
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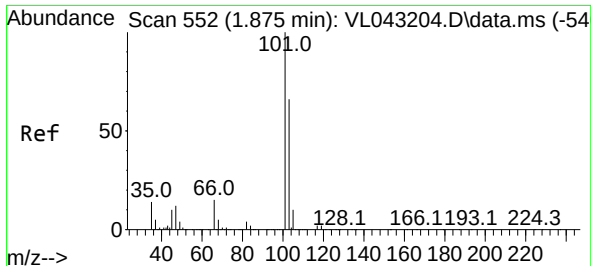
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025



#10
Heptane
Concen: 8.698 ppbv
RT: 4.975 min Scan# 1510
Delta R.T. 0.010 min
Lab File: VL043211.D
Acq: 18 Nov 2025 13:56

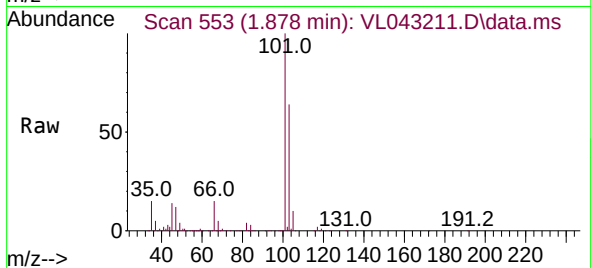
Tgt Ion: 43 Resp: 149202
Ion Ratio Lower Upper
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57 49.1 39.7 59.5





#11
Trichlorofluoromethane
Concen: 10.077 ppbv
RT: 1.878 min Scan# 551
Delta R.T. 0.003 min
Lab File: VL043211.D
Acq: 18 Nov 2025 13:56

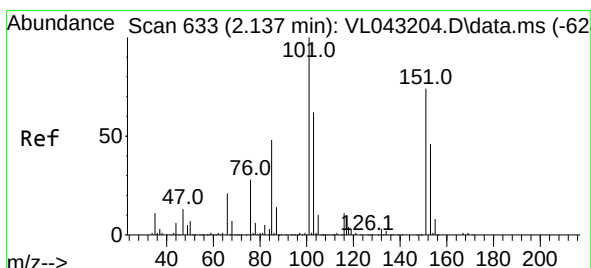
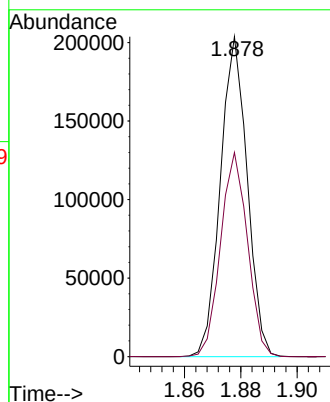
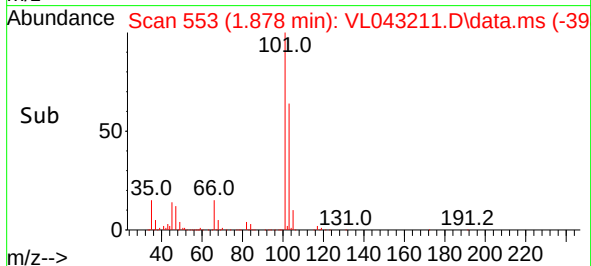
Instrument :
MSVOA_L
ClientSampleId :
ICVVL111825



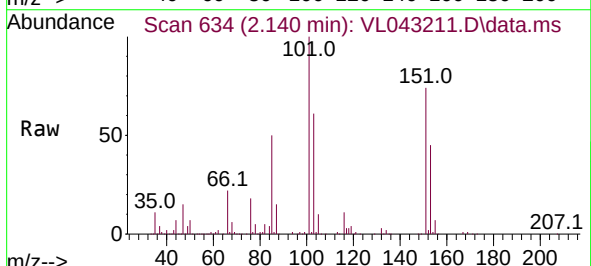
Tgt Ion:101 Resp: 134746
Ion Ratio Lower Upper
101 100
103 63.8 52.6 79.0

Manual Integrations
APPROVED

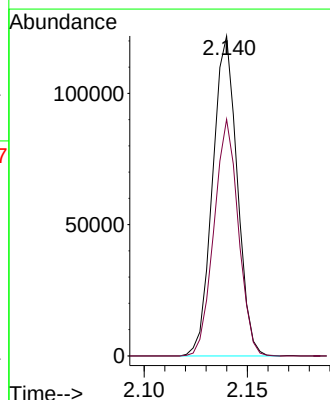
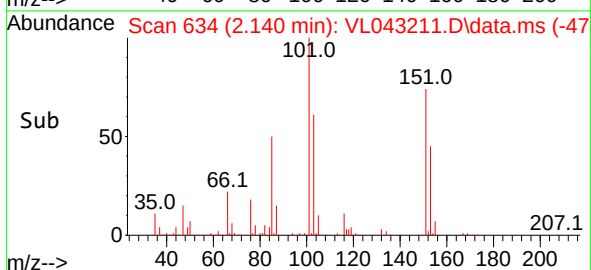
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

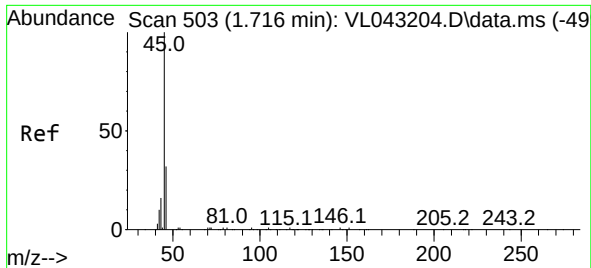


#12
1,1,2-Trichlorotrifluoroethane
Concen: 9.673 ppbv
RT: 2.140 min Scan# 634
Delta R.T. 0.003 min
Lab File: VL043211.D
Acq: 18 Nov 2025 13:56



Tgt Ion:101 Resp: 100984
Ion Ratio Lower Upper
101 100
151 73.1 59.2 88.8





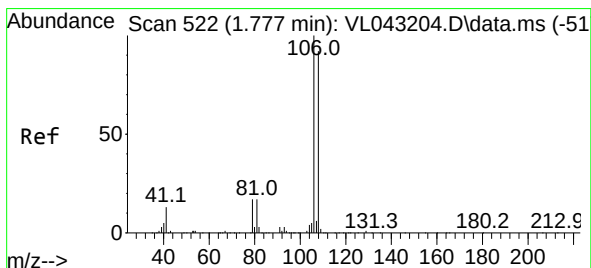
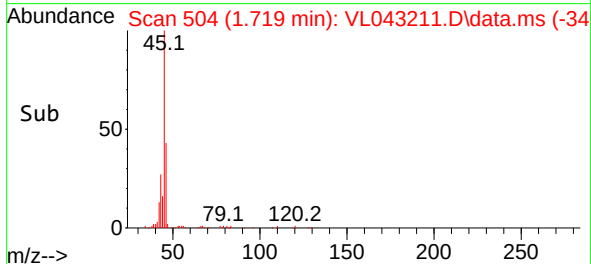
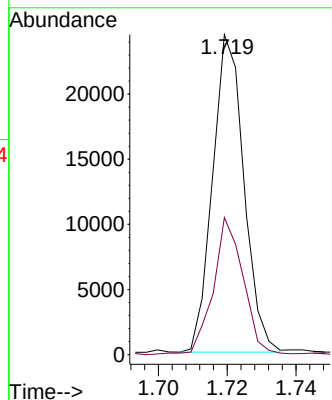
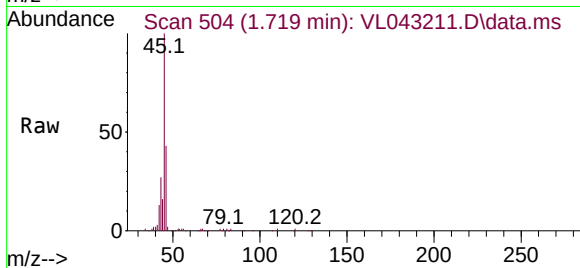
#13
Ethanol
Concen: 7.584 ppbv
RT: 1.719 min Scan# 503
Delta R.T. 0.003 min
Lab File: VL043211.D
Acq: 18 Nov 2025 13:56

Instrument :
MSVOA_L
ClientSampleId :
ICVVL111825

Tgt Ion: 45 Resp: 1537
Ion Ratio Lower Upper
45 100
46 42.2 15.0 59.8

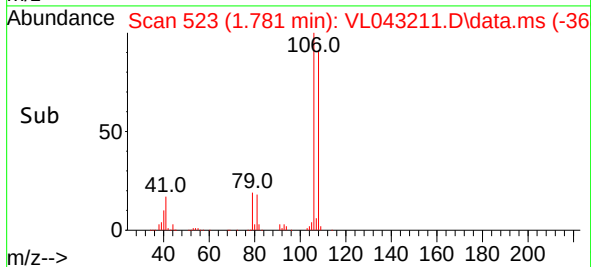
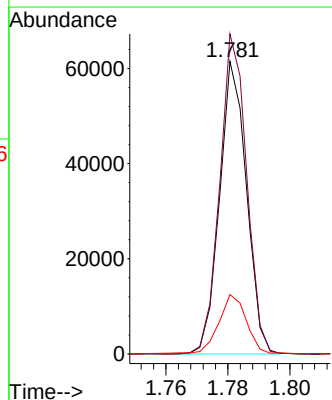
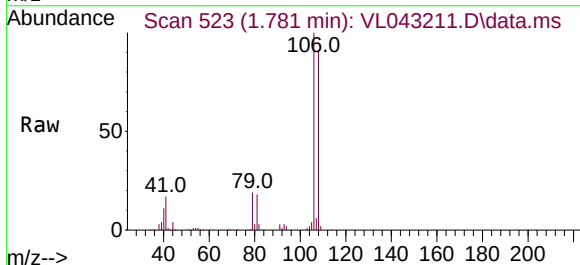
Manual Integrations
APPROVED

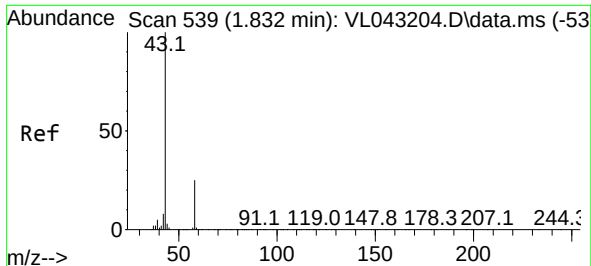
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025



#14
Bromoethene
Concen: 9.240 ppbv
RT: 1.781 min Scan# 523
Delta R.T. 0.003 min
Lab File: VL043211.D
Acq: 18 Nov 2025 13:56

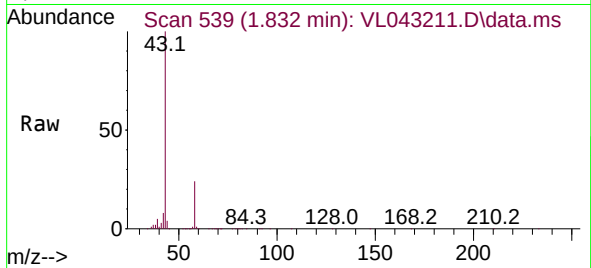
Tgt Ion:108 Resp: 36979
Ion Ratio Lower Upper
108 100
106 109.3 88.9 133.3
79 21.9 16.5 24.7





#15
Acetone
Concen: 7.711 ppbv
RT: 1.832 min Scan# 539
Delta R.T. 0.000 min
Lab File: VL043211.D
Acq: 18 Nov 2025 13:56

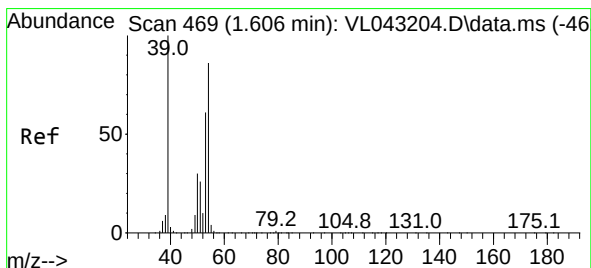
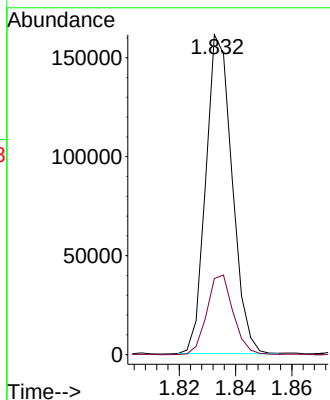
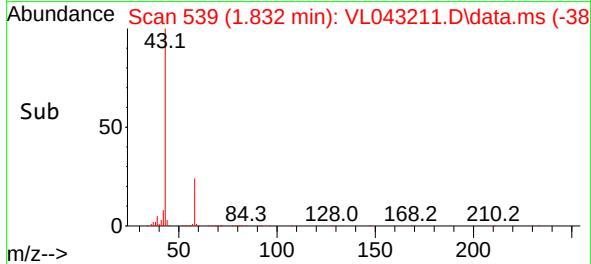
Instrument : MSVOA_L
ClientSampleId : ICVVL111825



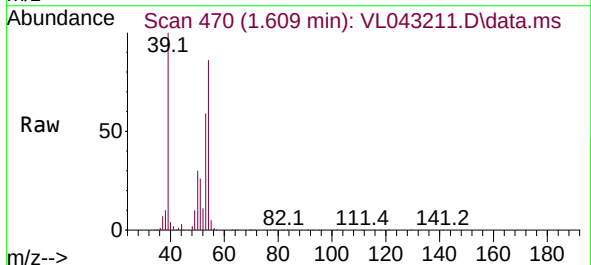
Tgt Ion: 43 Resp: 104830
Ion Ratio Lower Upper
43 100
58 25.2 20.7 31.1

Manual Integrations
APPROVED

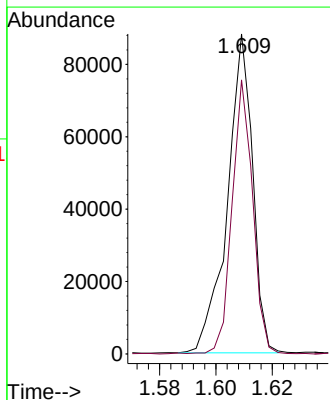
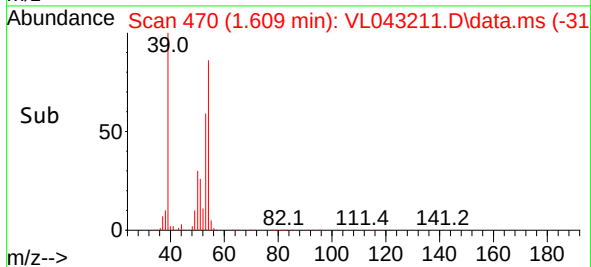
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

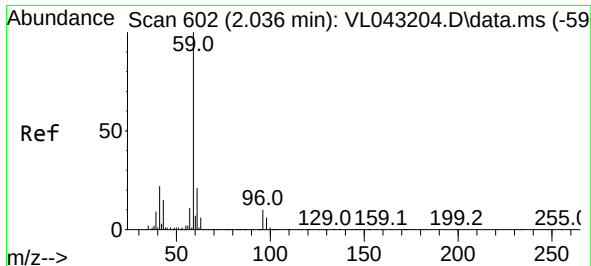


#16
1,3-Butadiene
Concen: 9.041 ppbv
RT: 1.609 min Scan# 470
Delta R.T. 0.003 min
Lab File: VL043211.D
Acq: 18 Nov 2025 13:56



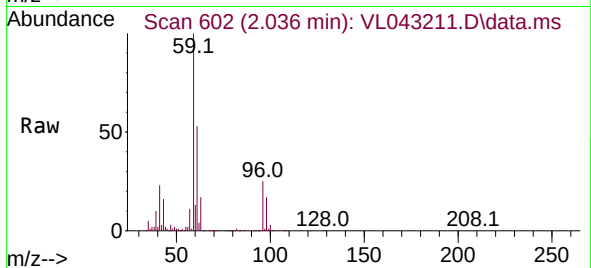
Tgt Ion: 39 Resp: 54795
Ion Ratio Lower Upper
39 100
54 71.3 59.4 89.2





#17
tert-Butyl alcohol
Concen: 9.245 ppbv
RT: 2.036 min Scan# 601
Delta R.T. 0.000 min
Lab File: VL043211.D
Acq: 18 Nov 2025 13:56

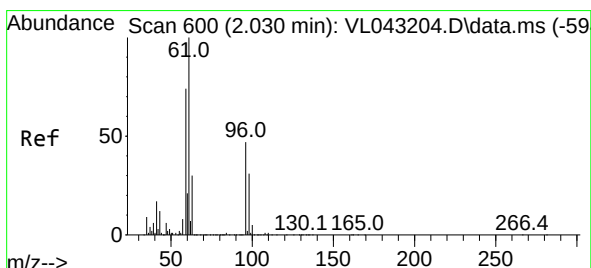
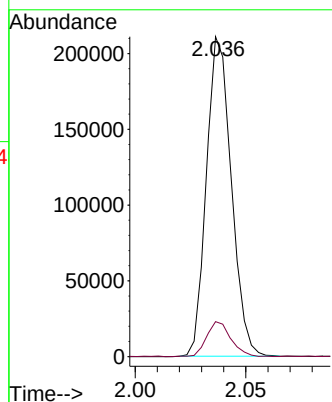
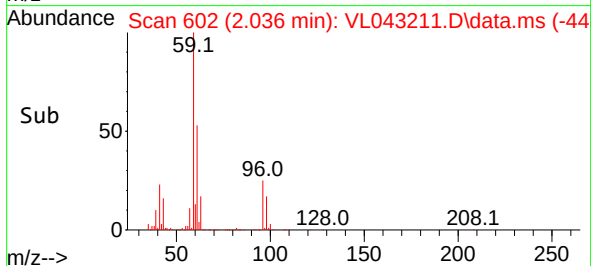
Instrument :
MSVOA_L
ClientSampleId :
ICVVL111825



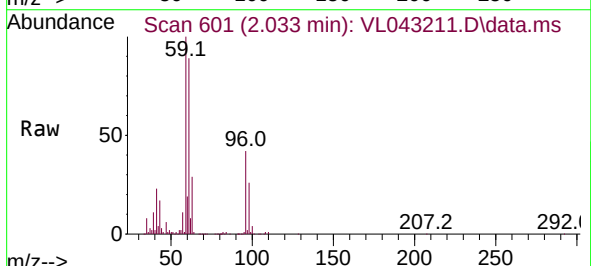
Tgt Ion: 59 Resp: 16498
Ion Ratio Lower Upper
59 100
57 10.8 9.0 13.4

Manual Integrations
APPROVED

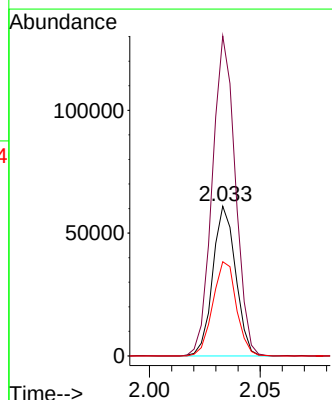
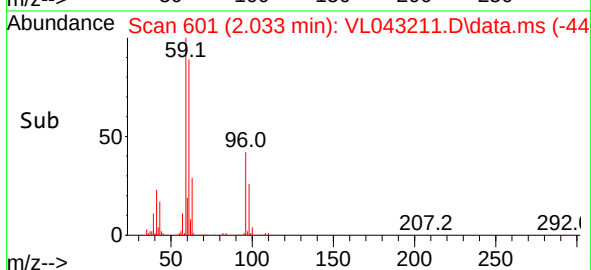
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

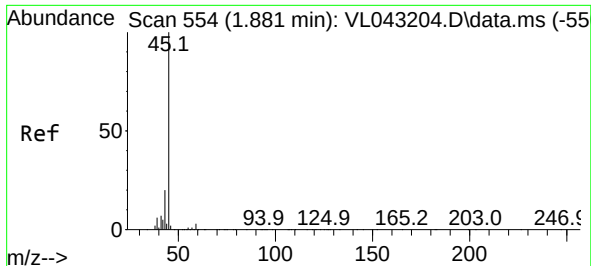


#18
1,1-Dichloroethene
Concen: 9.017 ppbv
RT: 2.033 min Scan# 601
Delta R.T. 0.003 min
Lab File: VL043211.D
Acq: 18 Nov 2025 13:56



Tgt Ion: 96 Resp: 43833
Ion Ratio Lower Upper
96 100
61 214.0 170.6 255.8
98 62.9 52.2 78.4





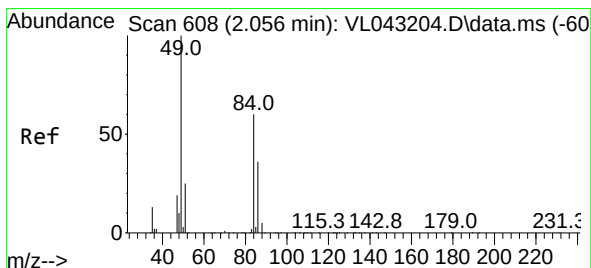
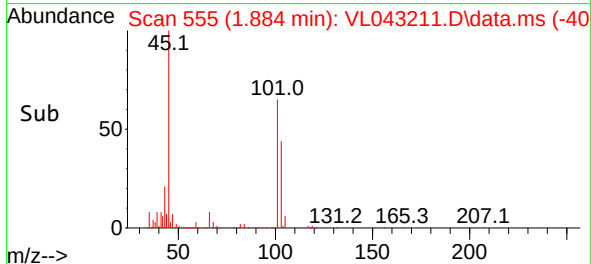
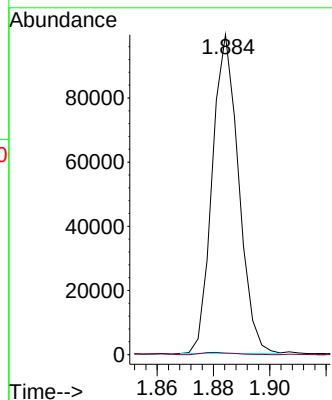
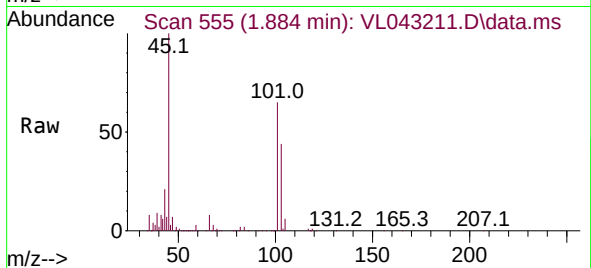
#19
Isopropyl Alcohol
Concen: 8.431 ppbv
RT: 1.884 min Scan# 511
Delta R.T. 0.003 min
Lab File: VL043211.D
Acq: 18 Nov 2025 13:56

Instrument :
MSVOA_L
ClientSampleId :
ICVVL111825

Tgt Ion: 45 Resp: 64772
Ion Ratio Lower Upper
45 100
58 40.8 31.3 46.9

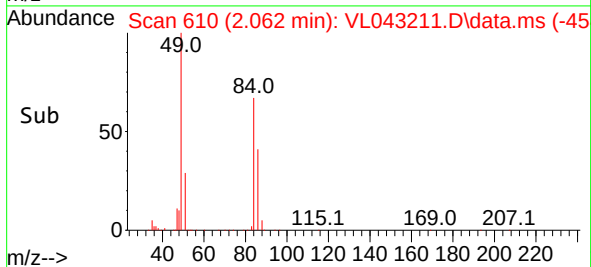
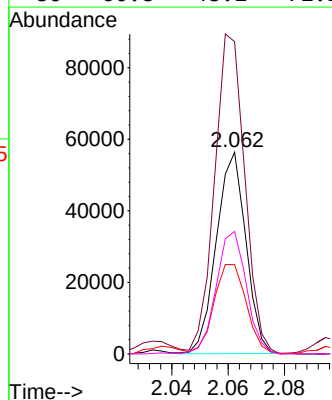
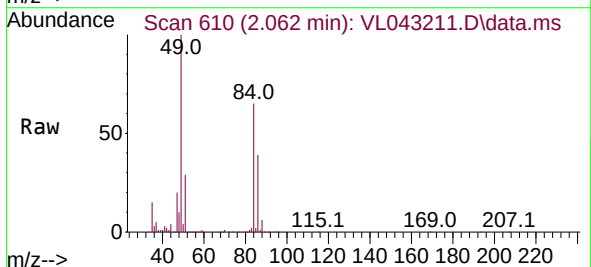
Manual Integrations
APPROVED

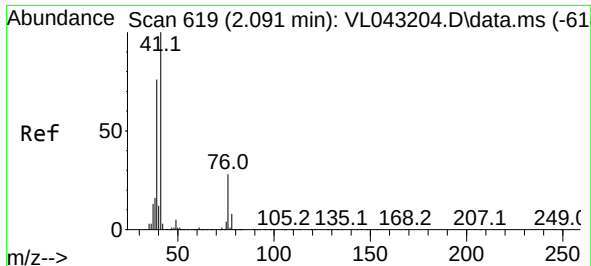
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025



#20
Methylene Chloride
Concen: 10.323 ppbv
RT: 2.062 min Scan# 610
Delta R.T. 0.006 min
Lab File: VL043211.D
Acq: 18 Nov 2025 13:56

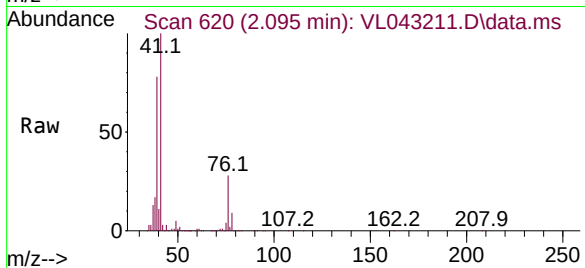
Tgt Ion: 84 Resp: 41254
Ion Ratio Lower Upper
84 100
49 155.1 132.9 199.3
51 43.9 34.8 52.2
86 60.8 48.2 72.2





#21
 Allyl Chloride
 Concen: 8.256 ppbv
 RT: 2.095 min Scan# 619
 Delta R.T. 0.003 min
 Lab File: VL043211.D
 Acq: 18 Nov 2025 13:56

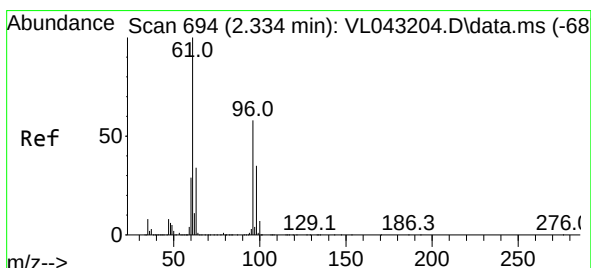
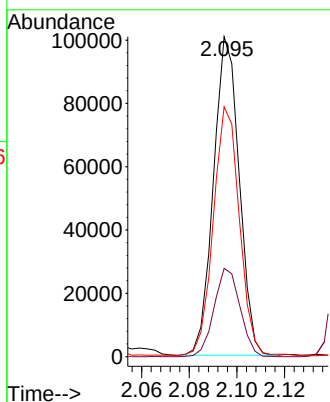
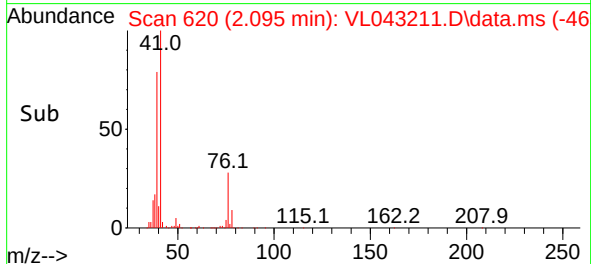
Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL111825



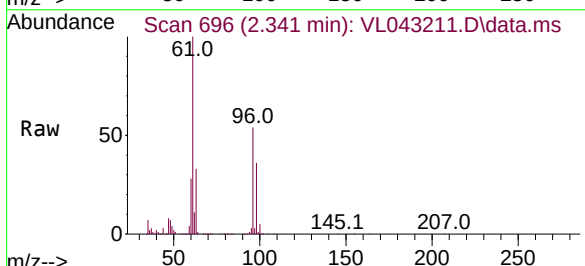
Tgt Ion: 41 Resp: 75516
 Ion Ratio Lower Upper
 41 100
 76 27.9 22.1 33.1
 39 79.3 61.0 91.4

Manual Integrations
 APPROVED

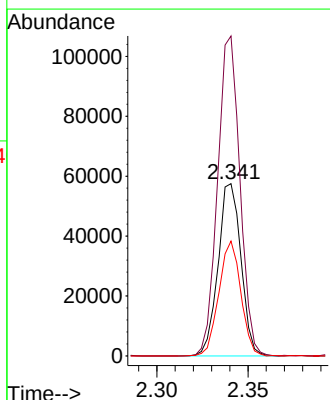
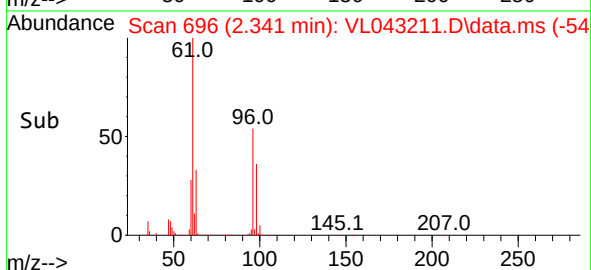
Reviewed By :Semsettin Yesilyurt 11/19/2025
 Supervised By :Mahesh Dadoda 11/19/2025

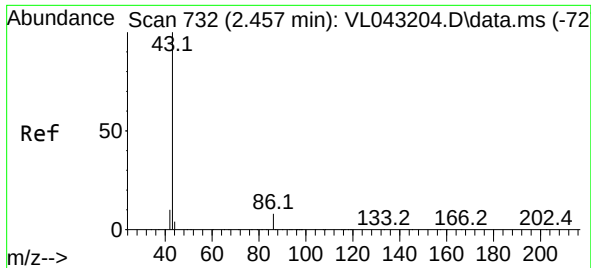


#22
 trans-1,2-Dichloroethene
 Concen: 9.041 ppbv
 RT: 2.341 min Scan# 696
 Delta R.T. 0.006 min
 Lab File: VL043211.D
 Acq: 18 Nov 2025 13:56



Tgt Ion: 96 Resp: 50228
 Ion Ratio Lower Upper
 96 100
 61 185.7 139.0 208.6
 98 66.6 49.4 74.2





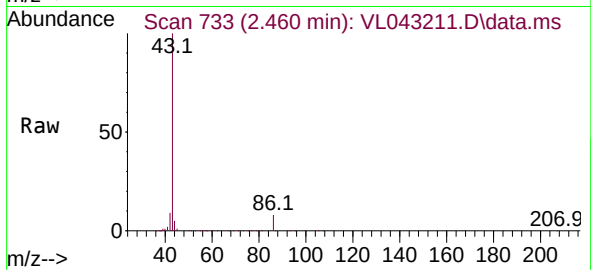
#23
 Vinyl Acetate
 Concen: 8.539 ppbv
 RT: 2.460 min Scan# 732
 Delta R.T. 0.003 min
 Lab File: VL043211.D
 Acq: 18 Nov 2025 13:56

Instrument :

MSVOA_L

ClientSampleId :

ICVVL111825

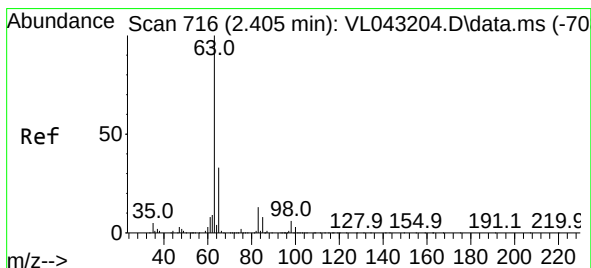
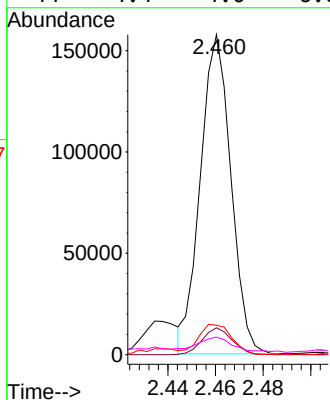
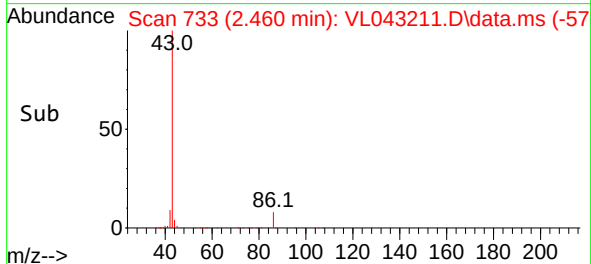


Tgt Ion: 43 Resp: 140156
 Ion Ratio Lower Upper
 43 100
 86 8.4 6.2 9.2
 42 9.1 8.0 12.0
 44 4.4 4.0 6.0

Manual Integrations

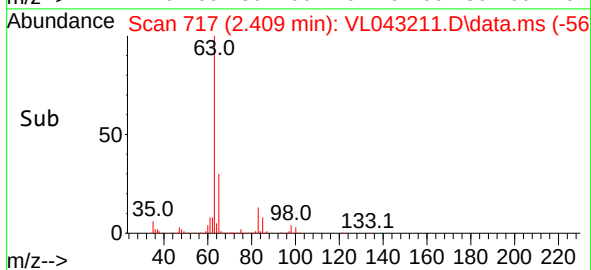
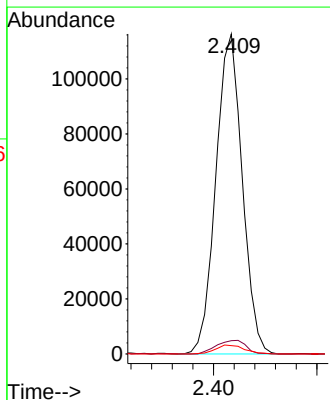
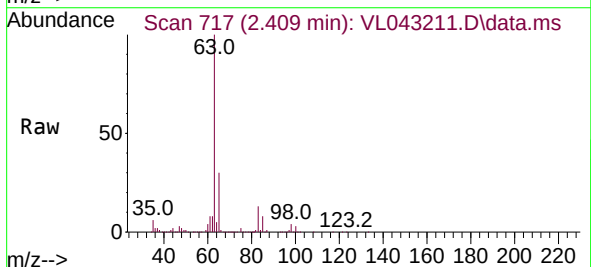
APPROVED

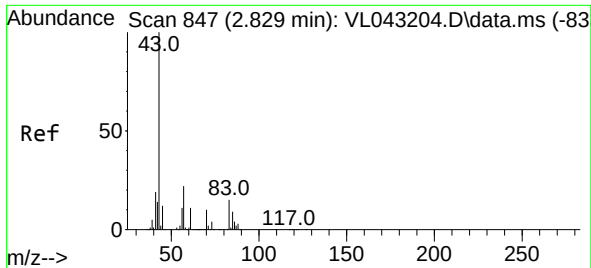
Reviewed By :Semsettin Yesilyurt 11/19/2025
 Supervised By :Mahesh Dadoda 11/19/2025



#24
 1,1-Dichloroethane
 Concen: 9.622 ppbv
 RT: 2.409 min Scan# 717
 Delta R.T. 0.003 min
 Lab File: VL043211.D
 Acq: 18 Nov 2025 13:56

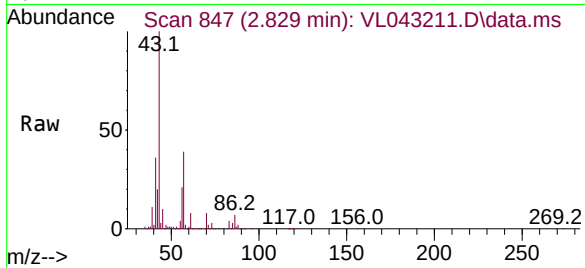
Tgt Ion: 63 Resp: 103187
 Ion Ratio Lower Upper
 63 100
 98 4.1 2.8 8.4
 100 2.6 1.3 3.9





#25
Ethyl Acetate
Concen: 8.820 ppbv
RT: 2.829 min Scan# 847
Delta R.T. 0.000 min
Lab File: VL043211.D
Acq: 18 Nov 2025 13:56

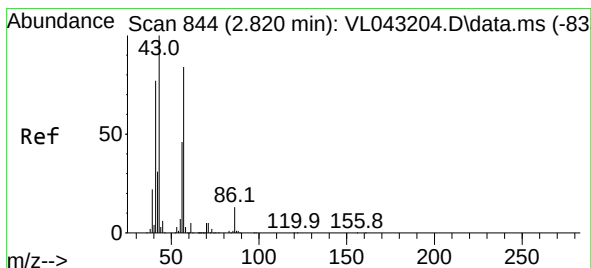
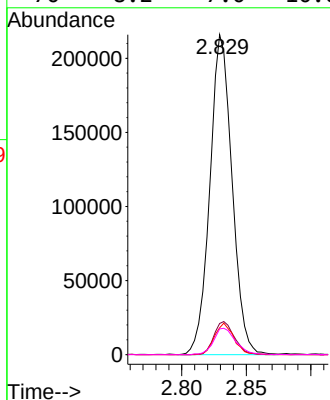
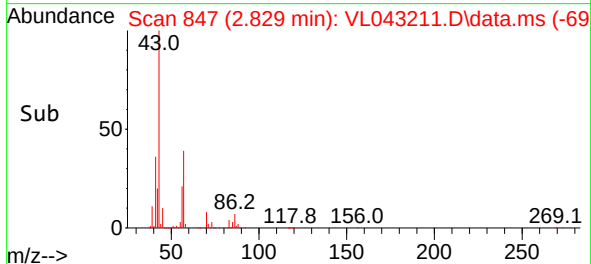
Instrument :
MSVOA_L
ClientSampleId :
ICVVL111825



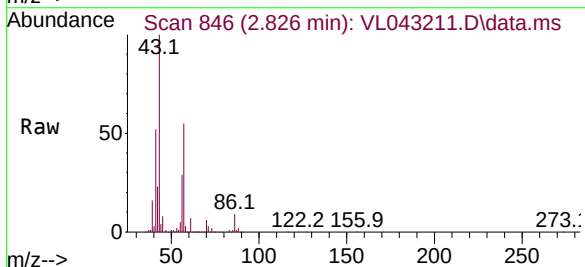
Tgt Ion: 43 Resp: 258609
Ion Ratio Lower Upper
43 100
45 9.6 8.1 12.1
61 8.5 7.0 10.4
70 8.2 7.0 10.6

Manual Integrations
APPROVED

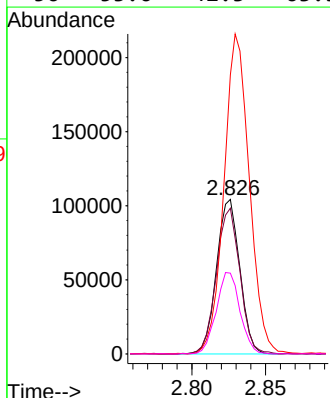
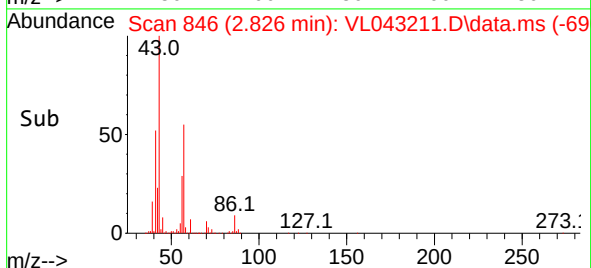
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

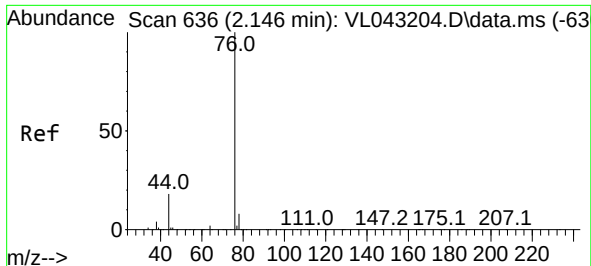


#26
Hexane
Concen: 8.892 ppbv
RT: 2.826 min Scan# 846
Delta R.T. 0.006 min
Lab File: VL043211.D
Acq: 18 Nov 2025 13:56



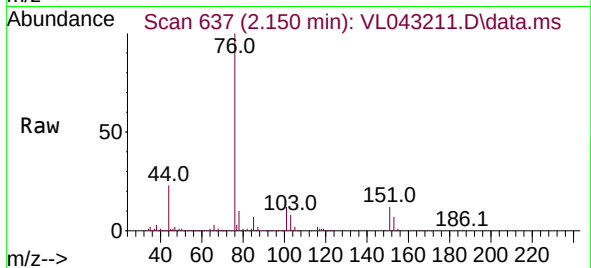
Tgt Ion: 57 Resp: 114312
Ion Ratio Lower Upper
57 100
41 96.0 74.6 111.8
43 226.4 179.0 268.4
56 53.6 42.3 63.5





#27
Carbon Disulfide
Concen: 9.528 ppbv
RT: 2.150 min Scan# 637
Delta R.T. 0.003 min
Lab File: VL043211.D
Acq: 18 Nov 2025 13:56

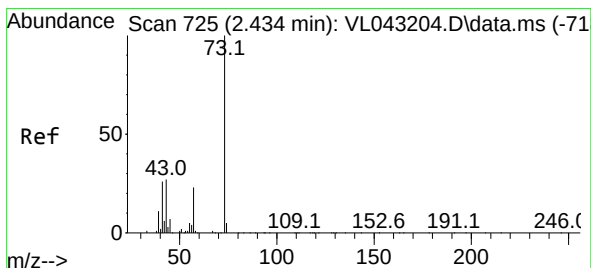
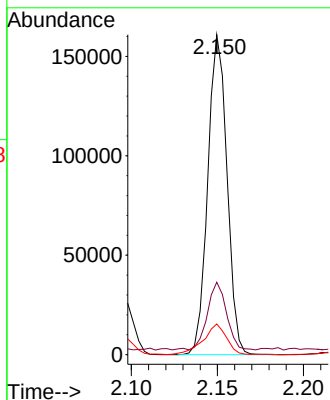
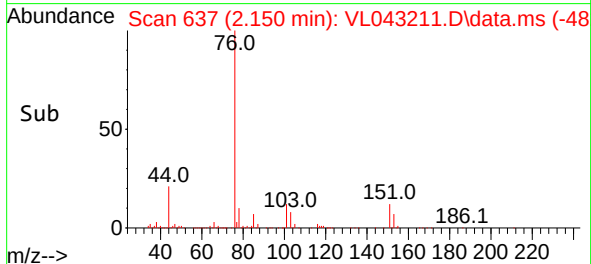
Instrument : MSVOA_L
ClientSampleId : ICVVL111825



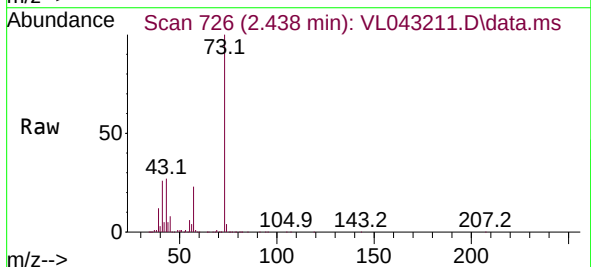
Tgt Ion: 76 Resp: 125048
Ion Ratio Lower Upper
76 100
44 21.9 16.1 24.1
78 11.6 9.6 14.4

Manual Integrations
APPROVED

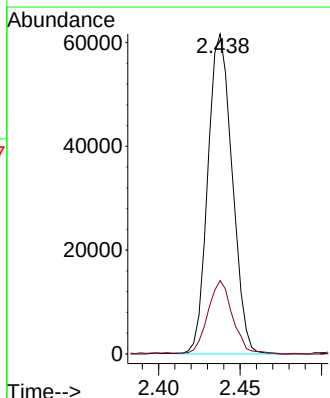
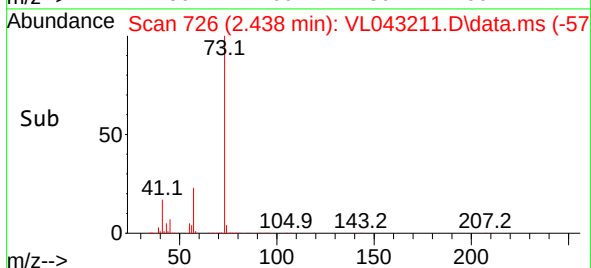
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

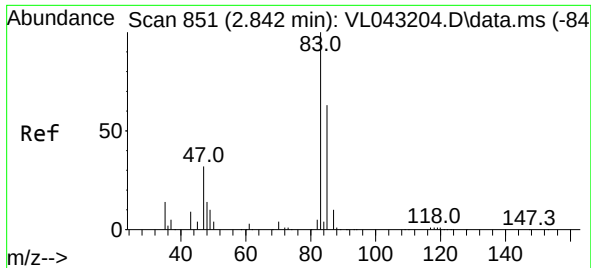


#28
Methyl tert-Butyl Ether
Concen: 10.171 ppbv
RT: 2.438 min Scan# 726
Delta R.T. 0.003 min
Lab File: VL043211.D
Acq: 18 Nov 2025 13:56



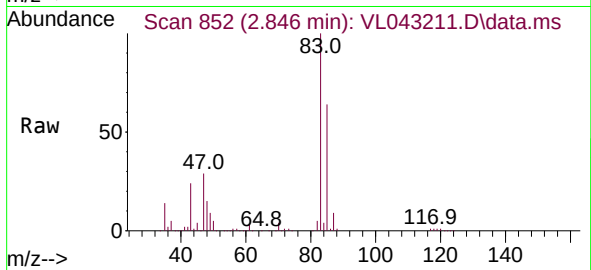
Tgt Ion: 73 Resp: 64183
Ion Ratio Lower Upper
73 100
57 23.6 19.8 29.8





#29
Chloroform
Concen: 9.521 ppbv
RT: 2.846 min Scan# 851
Delta R.T. 0.003 min
Lab File: VL043211.D
Acq: 18 Nov 2025 13:56

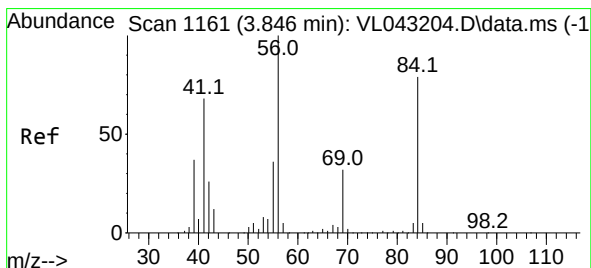
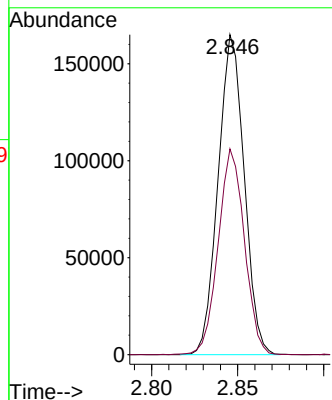
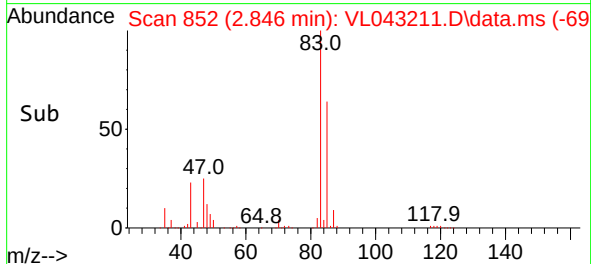
Instrument :
MSVOA_L
ClientSampleId :
ICVVL111825



Tgt Ion: 83 Resp: 173972
Ion Ratio Lower Upper
83 100
85 64.2 50.5 75.7

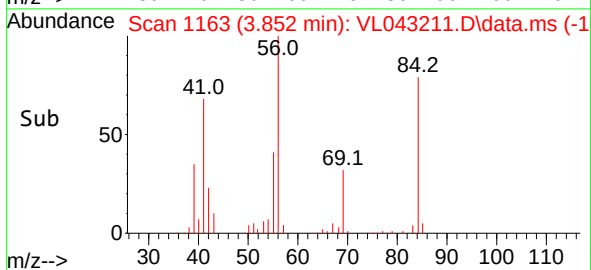
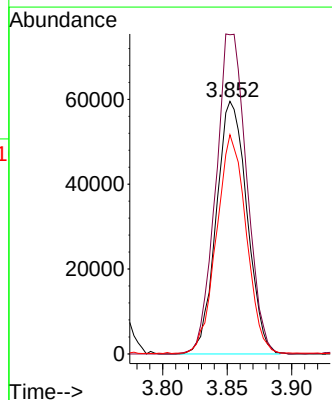
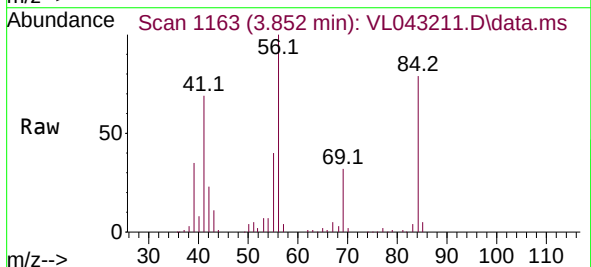
Manual Integrations
APPROVED

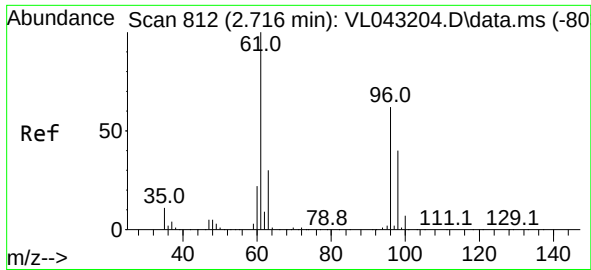
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025



#30
Cyclohexane
Concen: 9.148 ppbv
RT: 3.852 min Scan# 1163
Delta R.T. 0.006 min
Lab File: VL043211.D
Acq: 18 Nov 2025 13:56

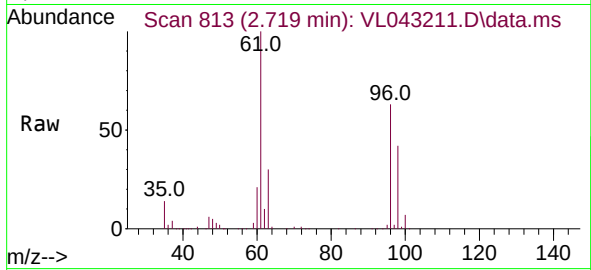
Tgt Ion: 84 Resp: 98598
Ion Ratio Lower Upper
84 100
56 127.4 104.7 157.1
41 84.5 69.0 103.6





#31
 cis-1,2-Dichloroethene
 Concen: 9.379 ppbv
 RT: 2.719 min Scan# 81
 Delta R.T. 0.003 min
 Lab File: VL043211.D
 Acq: 18 Nov 2025 13:56

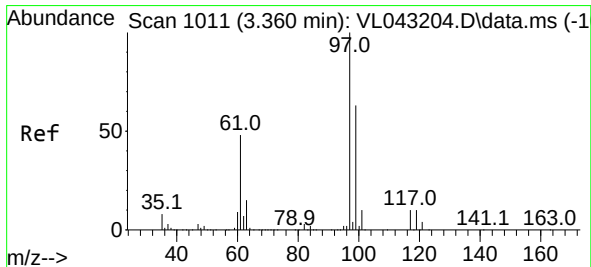
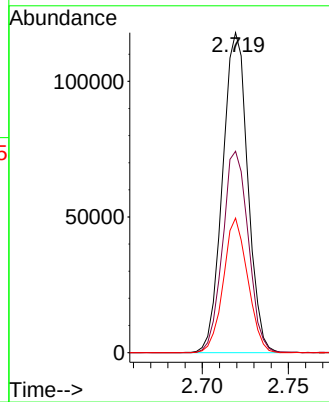
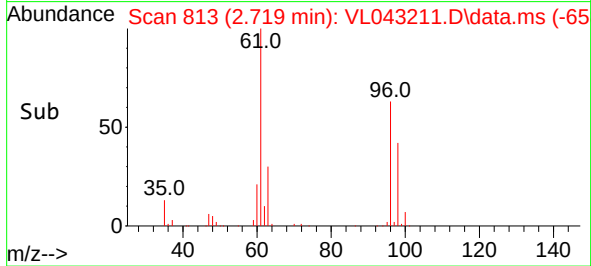
Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL111825



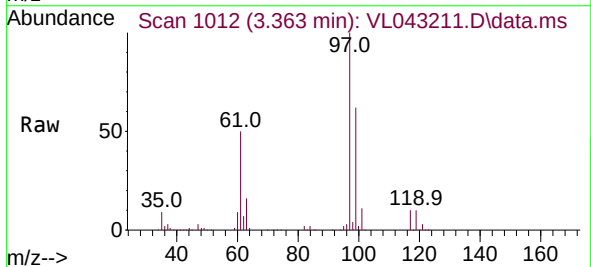
Tgt Ion: 61 Resp: 119843
 Ion Ratio Lower Upper
 61 100
 96 62.9 49.3 73.9
 98 42.0 32.1 48.1

Manual Integrations
 APPROVED

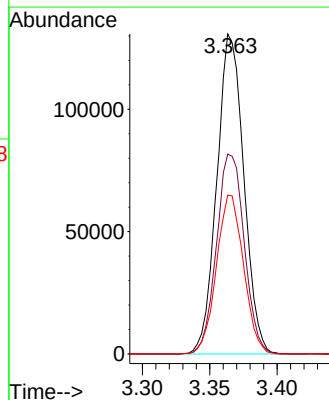
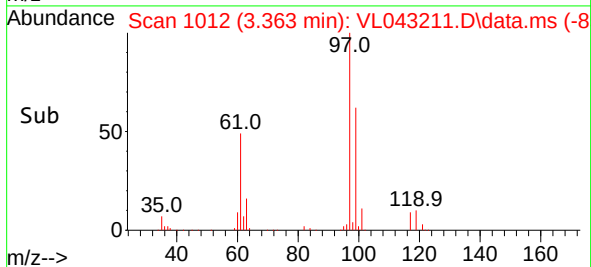
Reviewed By :Semsettin Yesilyurt 11/19/2025
 Supervised By :Mahesh Dadoda 11/19/2025

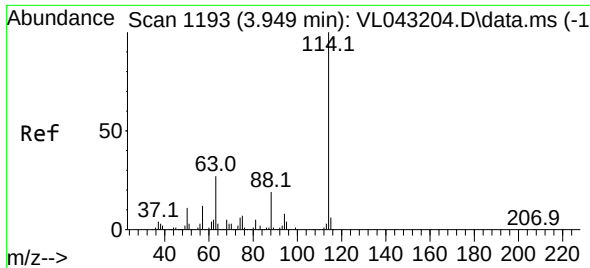


#32
 1,1,1-Trichloroethane
 Concen: 9.358 ppbv
 RT: 3.363 min Scan# 1012
 Delta R.T. 0.003 min
 Lab File: VL043211.D
 Acq: 18 Nov 2025 13:56



Tgt Ion: 97 Resp: 182262
 Ion Ratio Lower Upper
 97 100
 99 64.2 50.3 75.5
 61 49.9 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: VL043211.D

Acq: 18 Nov 2025 13:56

Instrument :

MSVOA_L

ClientSampleId :

ICVVL111825

Tgt Ion:114 Resp: 261914

Ion Ratio Lower Upper

114 100

63 26.0 21.0 31.6

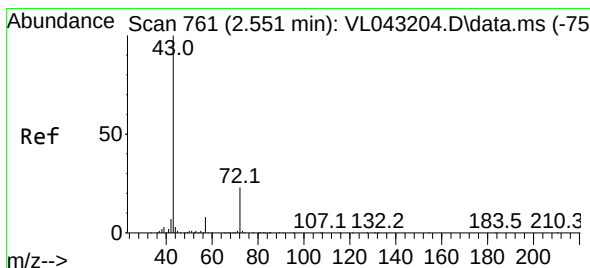
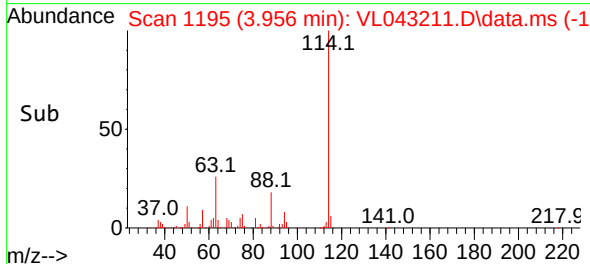
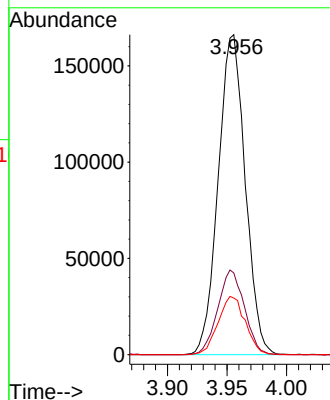
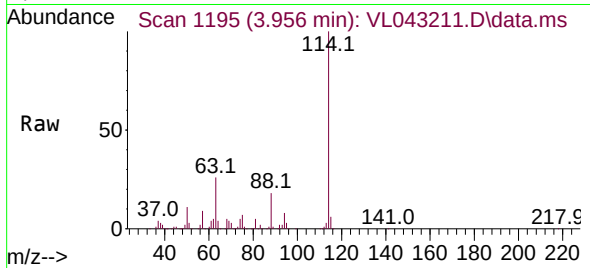
88 18.3 14.9 22.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/19/2025

Supervised By :Mahesh Dadoda 11/19/2025



#34

2-Butanone

Concen: 8.707 ppbv

RT: 2.551 min Scan# 761

Delta R.T. 0.000 min

Lab File: VL043211.D

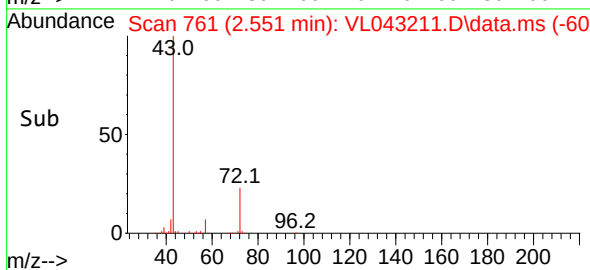
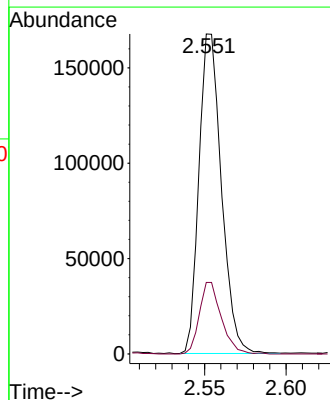
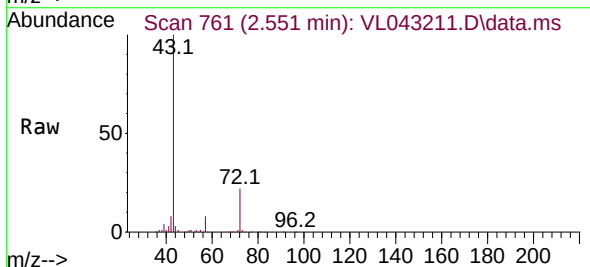
Acq: 18 Nov 2025 13:56

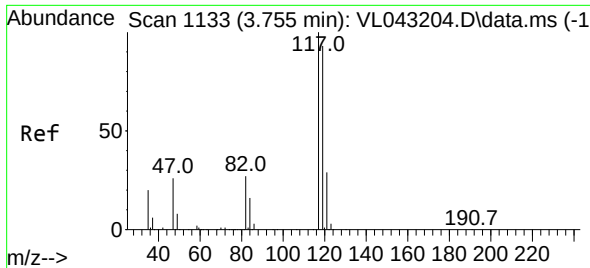
Tgt Ion: 43 Resp: 160977

Ion Ratio Lower Upper

43 100

72 21.8 18.1 27.1





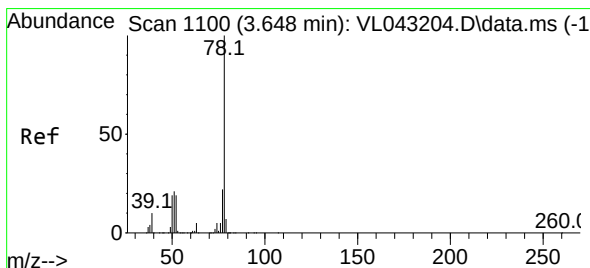
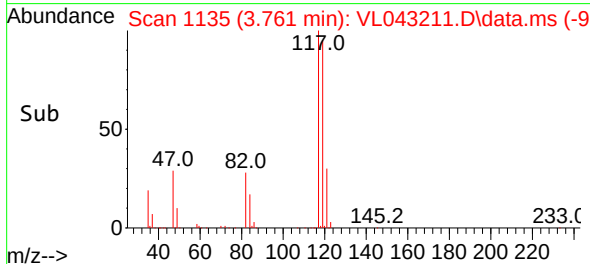
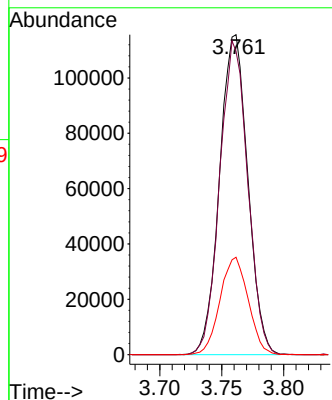
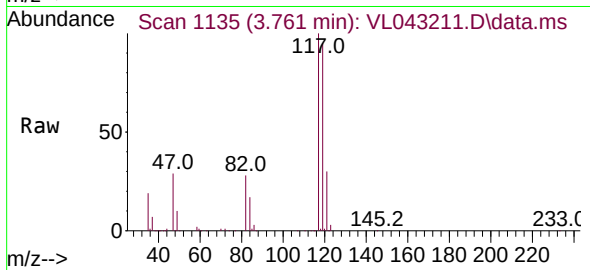
#35
Carbon Tetrachloride
Concen: 9.200 ppbv
RT: 3.761 min Scan# 1135
Delta R.T. 0.006 min
Lab File: VL043211.D
Acq: 18 Nov 2025 13:56

Instrument : MSVOA_L
ClientSampleId : ICVVL111825

Tgt Ion: 117 Resp: 182902
Ion Ratio Lower Upper
117 100
119 94.7 74.6 112.0
121 30.4 23.2 34.8

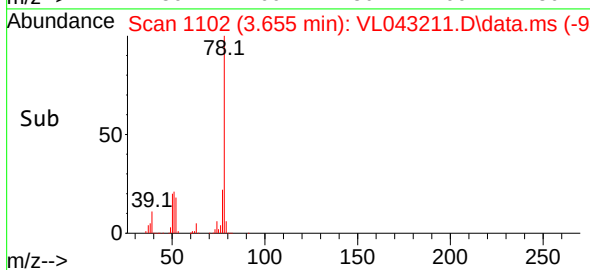
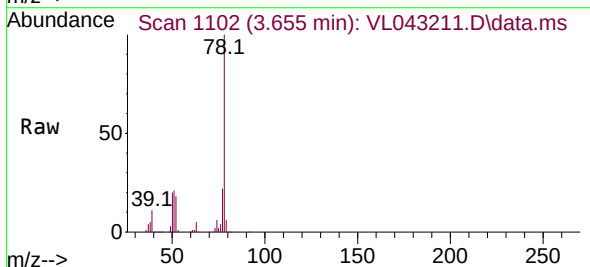
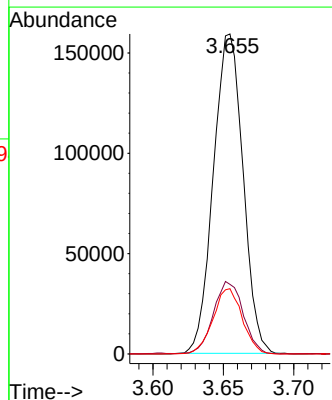
Manual Integrations
APPROVED

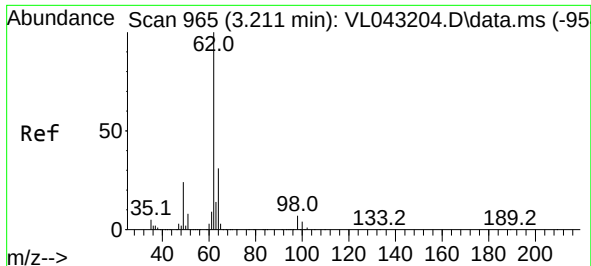
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025



#36
Benzene
Concen: 9.293 ppbv
RT: 3.655 min Scan# 1102
Delta R.T. 0.006 min
Lab File: VL043211.D
Acq: 18 Nov 2025 13:56

Tgt Ion: 78 Resp: 233094
Ion Ratio Lower Upper
78 100
77 21.8 17.5 26.3
50 20.4 15.5 23.3





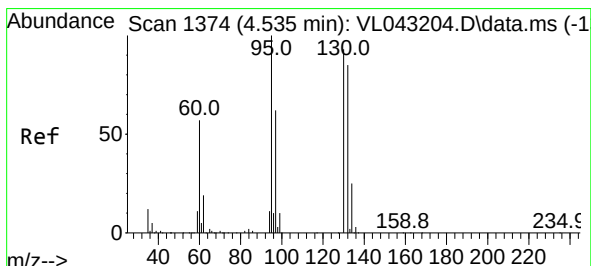
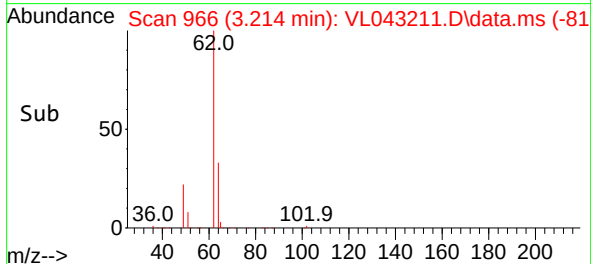
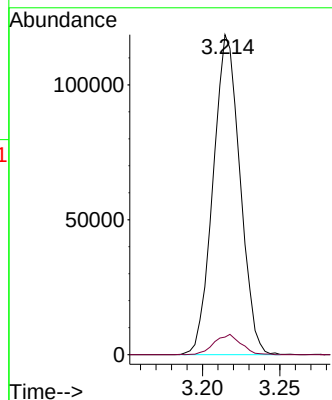
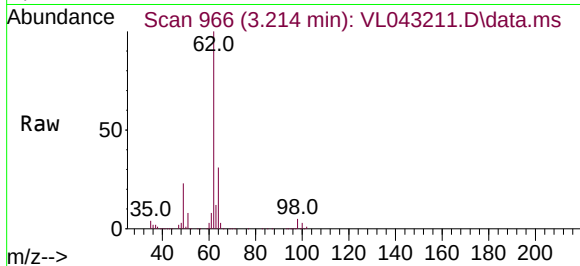
#37
1,2-Dichloroethane
Concen: 9.772 ppbv
RT: 3.214 min Scan# 965
Delta R.T. 0.003 min
Lab File: VL043211.D
Acq: 18 Nov 2025 13:56

Instrument :
MSVOA_L
ClientSampleId :
ICVVL111825

Tgt Ion: 62 Resp: 143363
Ion Ratio Lower Upper
62 100
98 6.3 5.5 8.3

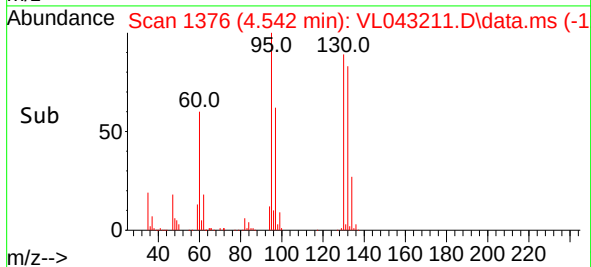
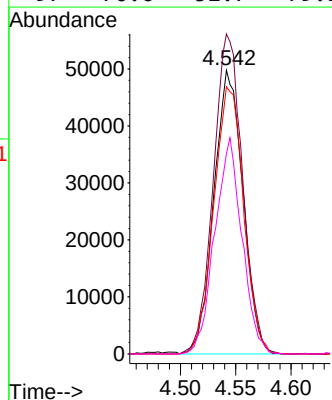
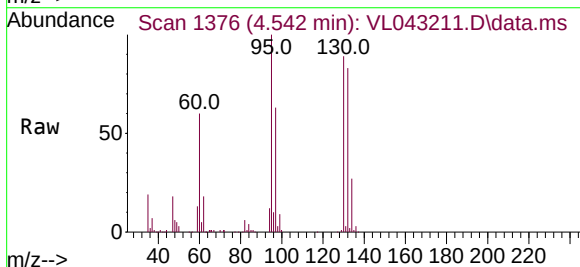
Manual Integrations
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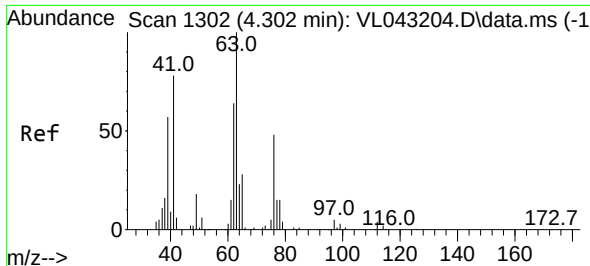
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025



#38
Trichloroethene
Concen: 9.272 ppbv
RT: 4.542 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VL043211.D
Acq: 18 Nov 2025 13:56

Tgt Ion:130 Resp: 90993
Ion Ratio Lower Upper
130 100
95 112.7 85.7 128.5
132 94.1 73.4 110.0
97 70.6 52.7 79.1





#39

1,2-Dichloropropane

Concen: 9.086 ppbv

RT: 4.305 min Scan# 1302

Delta R.T. 0.003 min

Lab File: VL043211.D

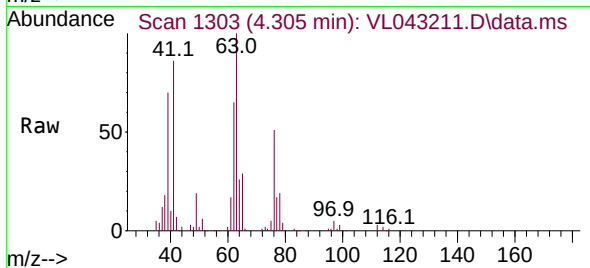
Acq: 18 Nov 2025 13:56

Instrument :

MSVOA_L

ClientSampleId :

ICVVL111825



Tgt Ion: 63 Resp: 83416

Ion Ratio Lower Upper

63 100

41 85.0 62.6 93.8

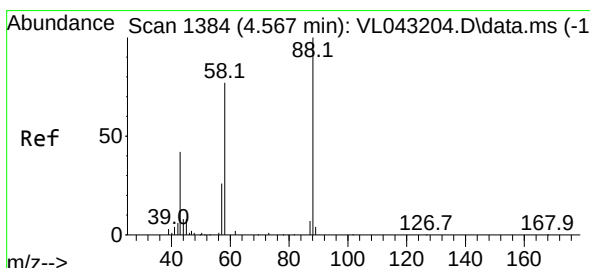
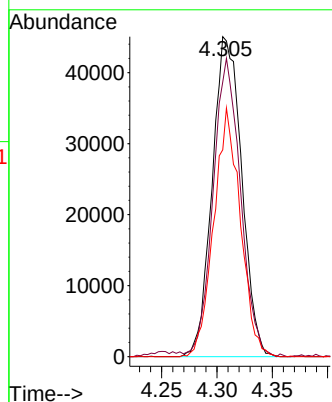
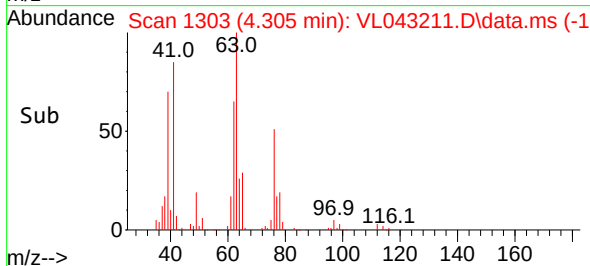
62 64.6 51.0 76.6

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: 7.780 ppbv

RT: 4.571 min Scan# 1385

Delta R.T. 0.003 min

Lab File: VL043211.D

Acq: 18 Nov 2025 13:56

Tgt Ion: 88 Resp: 32109

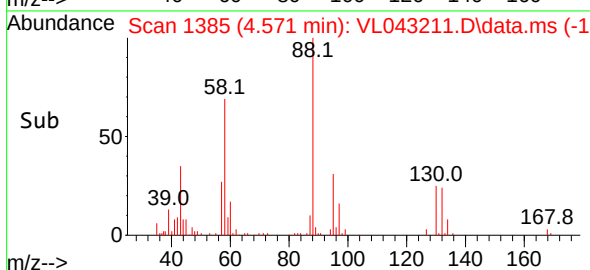
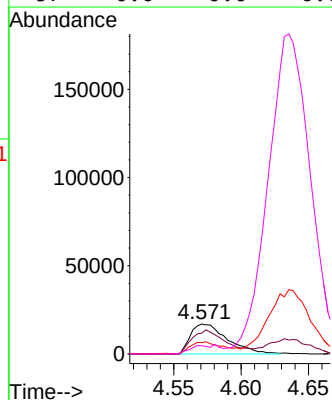
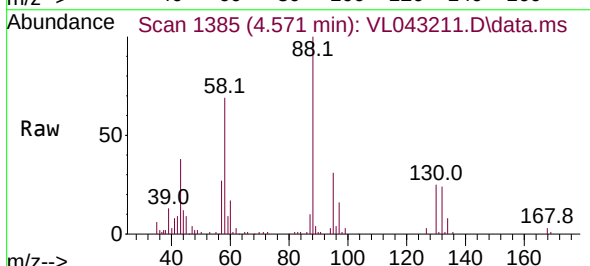
Ion Ratio Lower Upper

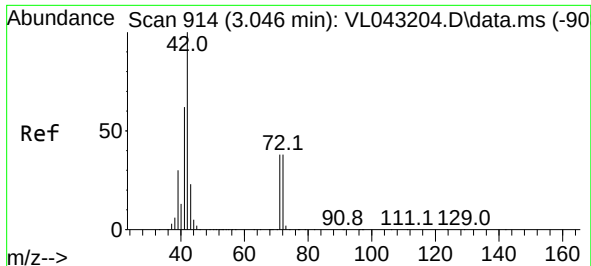
88 100

58 74.8 63.0 94.6

43 37.4 32.5 48.7

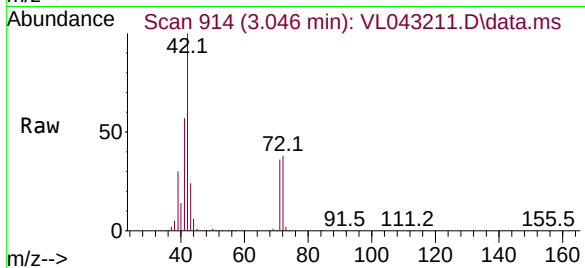
57 0.0 0.0 0.0





#41
Tetrahydrofuran
Concen: 8.891 ppbv
RT: 3.046 min Scan# 914
Delta R.T. 0.000 min
Lab File: VL043211.D
Acq: 18 Nov 2025 13:56

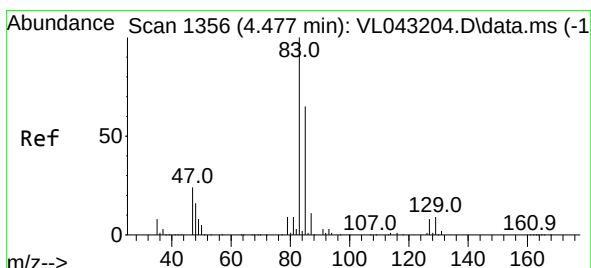
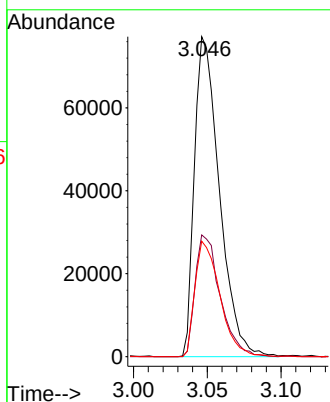
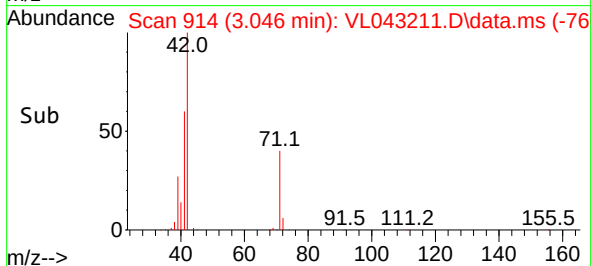
Instrument :
MSVOA_L
ClientSampleId :
ICVVL111825



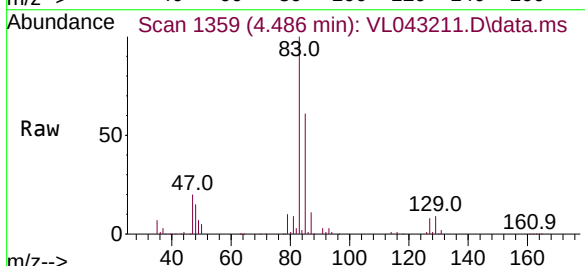
Tgt Ion: 42 Resp: 90769
Ion Ratio Lower Upper
42 100
72 38.0 30.6 46.0
71 36.1 30.5 45.7

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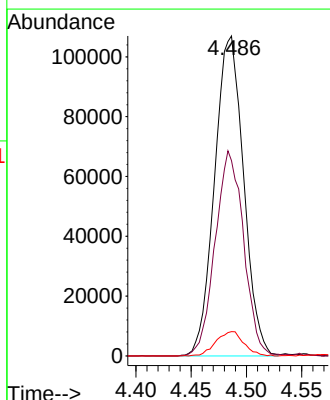
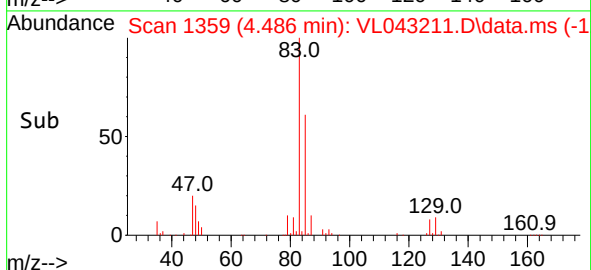
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

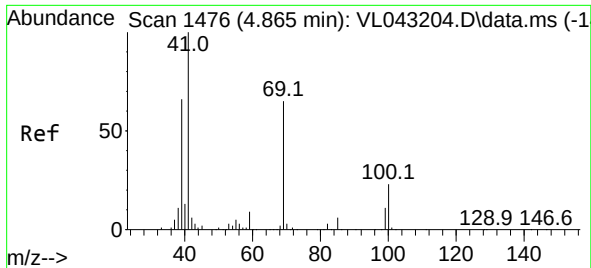


#42
Bromodichloromethane
Concen: 9.657 ppbv
RT: 4.486 min Scan# 1359
Delta R.T. 0.010 min
Lab File: VL043211.D
Acq: 18 Nov 2025 13:56



Tgt Ion: 83 Resp: 195442
Ion Ratio Lower Upper
83 100
85 61.0 51.7 77.5
127 7.6 6.3 9.5





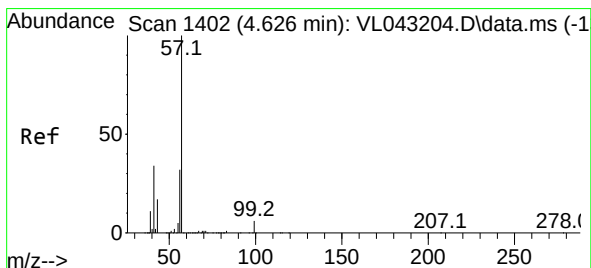
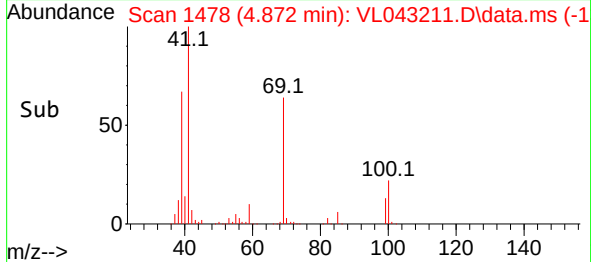
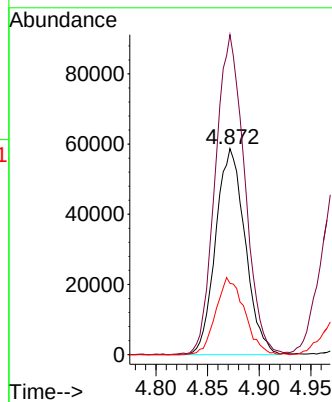
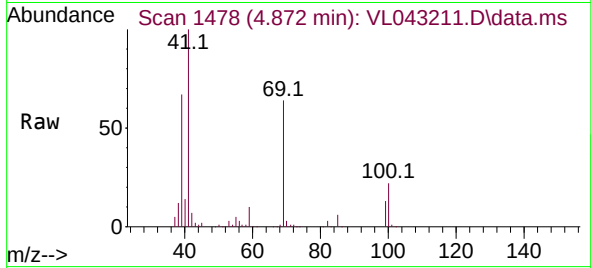
#43
Methyl Methacrylate
Concen: 8.737 ppbv
RT: 4.872 min Scan# 1476
Delta R.T. 0.006 min
Lab File: VL043211.D
Acq: 18 Nov 2025 13:56

Instrument :
MSVOA_L
ClientSampleId :
ICVVL111825

Tgt Ion: 69 Resp: 116325
Ion Ratio Lower Upper
69 100
41 155.2 126.7 190.1
100 36.5 28.6 43.0

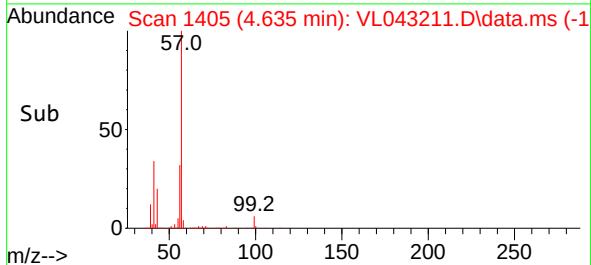
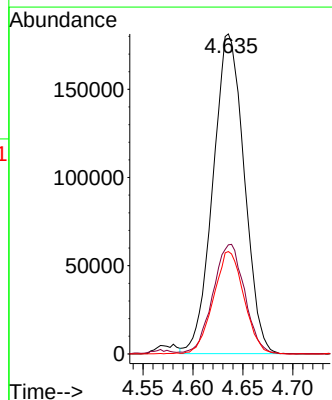
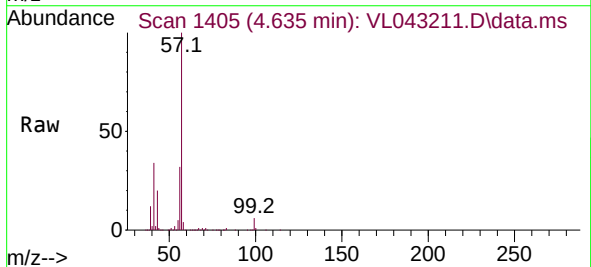
Manual Integrations
APPROVED

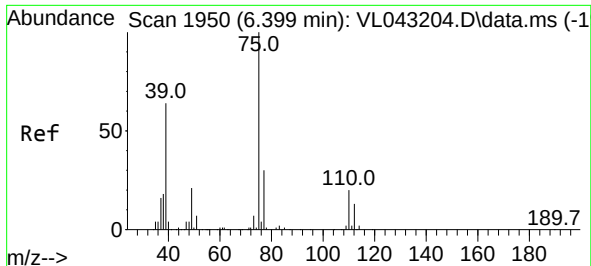
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025



#44
2,2,4-Trimethylpentane
Concen: 9.133 ppbv
RT: 4.635 min Scan# 1405
Delta R.T. 0.010 min
Lab File: VL043211.D
Acq: 18 Nov 2025 13:56

Tgt Ion: 57 Resp: 393438
Ion Ratio Lower Upper
57 100
41 35.8 28.0 42.0
56 31.5 25.6 38.4





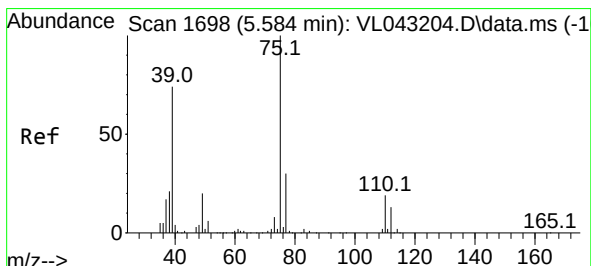
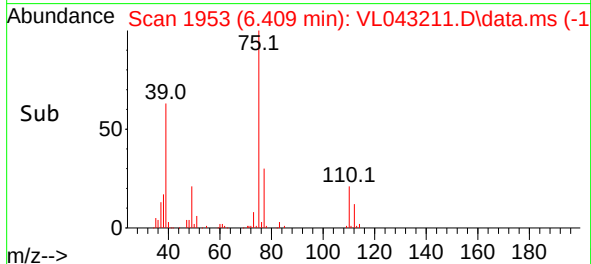
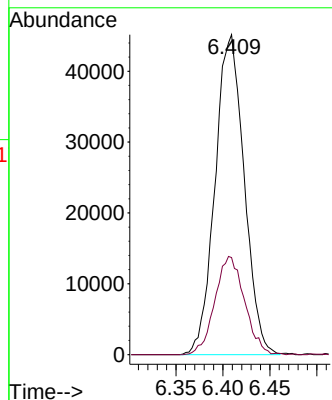
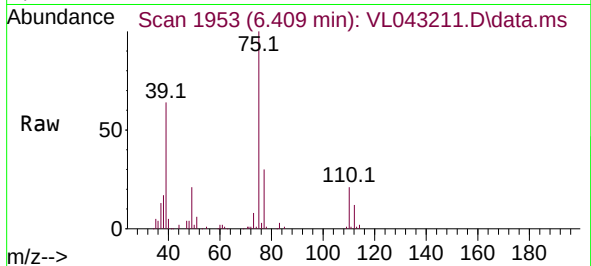
#45
 t-1,3-Dichloropropene
 Concen: 7.863 ppbv
 RT: 6.409 min Scan# 1950
 Delta R.T. 0.010 min
 Lab File: VL043211.D
 Acq: 18 Nov 2025 13:56

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL111825

Tgt Ion: 75 Resp: 9758
 Ion Ratio Lower Upper
 75 100
 77 30.3 24.3 36.5

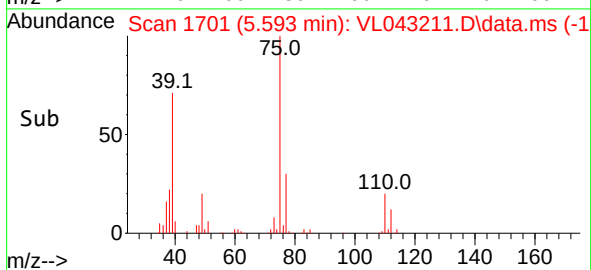
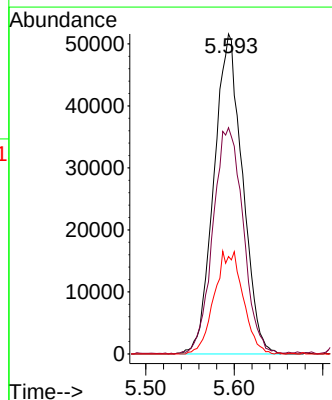
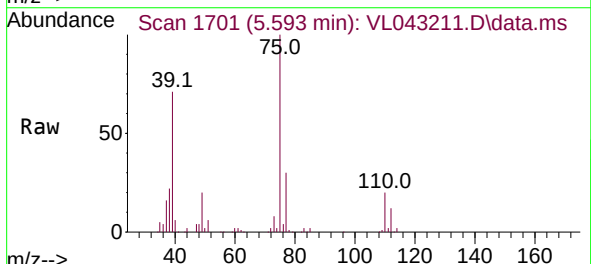
Manual Integrations
 APPROVED

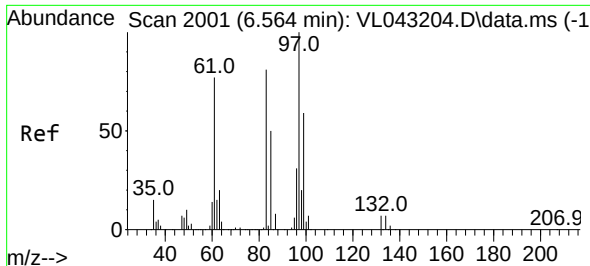
Reviewed By :Semsettin Yesilyurt 11/19/2025
 Supervised By :Mahesh Dadoda 11/19/2025



#46
 cis-1,3-Dichloropropene
 Concen: 7.924 ppbv
 RT: 5.593 min Scan# 1701
 Delta R.T. 0.010 min
 Lab File: VL043211.D
 Acq: 18 Nov 2025 13:56

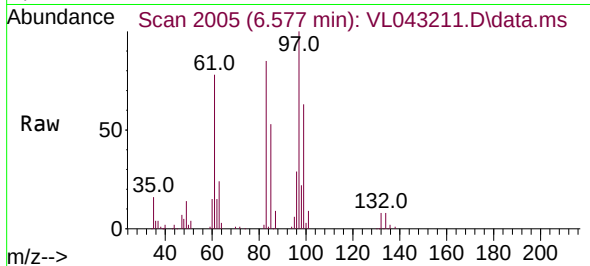
Tgt Ion: 75 Resp: 115476
 Ion Ratio Lower Upper
 75 100
 39 70.4 59.1 88.7
 77 30.4 24.2 36.2





#47
1,1,2-Trichloroethane
Concen: 9.086 ppbv
RT: 6.577 min Scan# 2005
Delta R.T. 0.013 min
Lab File: VL043211.D
Acq: 18 Nov 2025 13:56

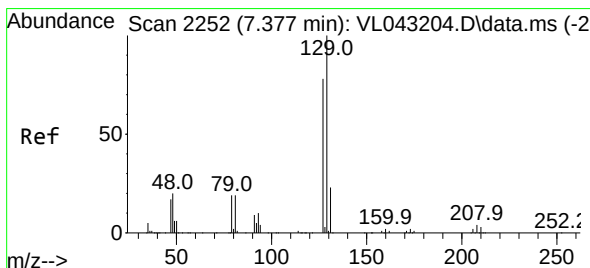
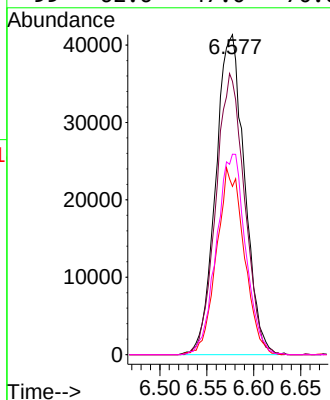
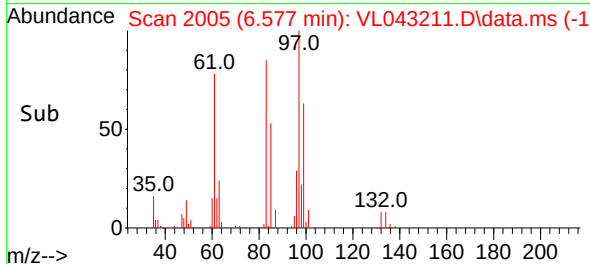
Instrument :
MSVOA_L
ClientSampleId :
ICVVL111825



Tgt Ion: 97 Resp: 88525
Ion Ratio Lower Upper
97 100
83 85.4 64.6 97.0
85 52.6 39.4 59.2
99 62.6 47.0 70.6

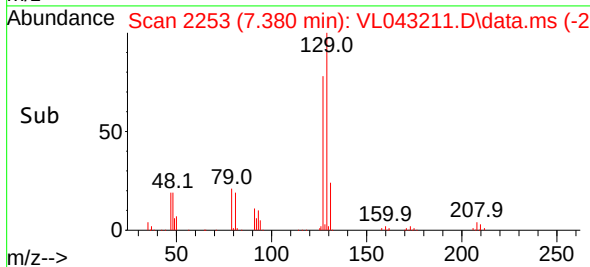
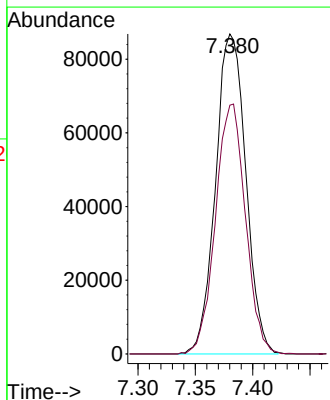
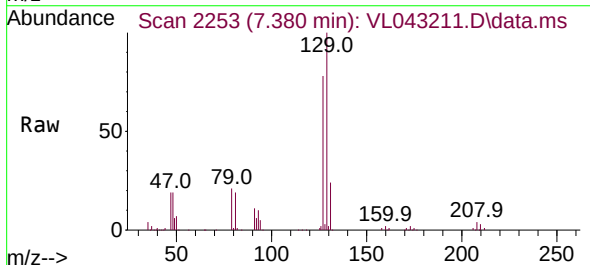
Manual Integrations
APPROVED

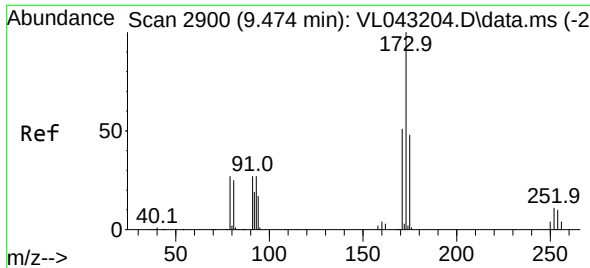
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025



#48
Dibromochloromethane
Concen: 9.514 ppbv
RT: 7.380 min Scan# 2253
Delta R.T. 0.003 min
Lab File: VL043211.D
Acq: 18 Nov 2025 13:56

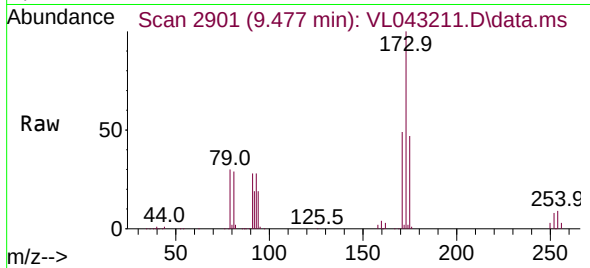
Tgt Ion:129 Resp: 159365
Ion Ratio Lower Upper
129 100
127 77.3 39.3 117.9





#49
Bromoform
Concen: 9.085 ppbv
RT: 9.477 min Scan# 2900
Delta R.T. 0.003 min
Lab File: VL043211.D
Acq: 18 Nov 2025 13:56

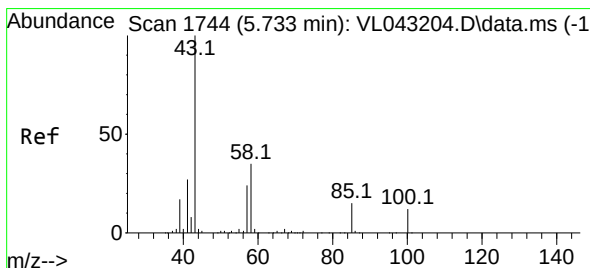
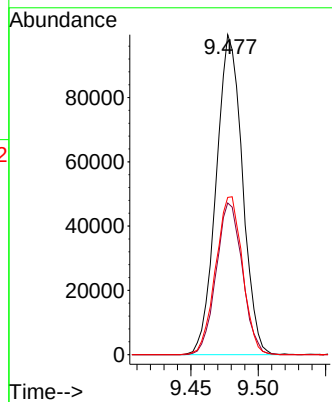
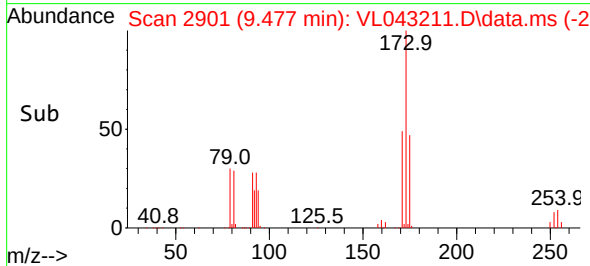
Instrument :
MSVOA_L
ClientSampleId :
ICVVL111825



Tgt Ion:173 Resp: 134790
Ion Ratio Lower Upper
173 100
175 47.2 38.6 58.0
171 50.2 40.6 61.0

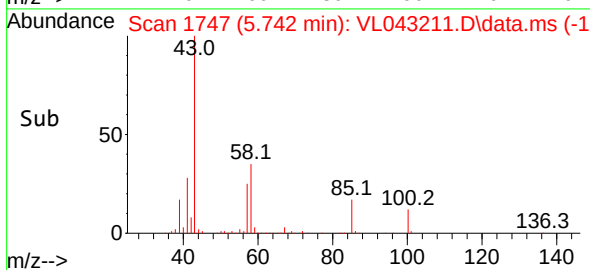
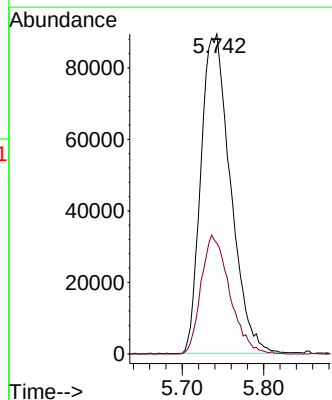
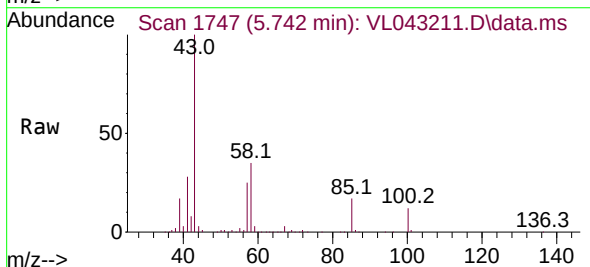
Manual Integrations
APPROVED

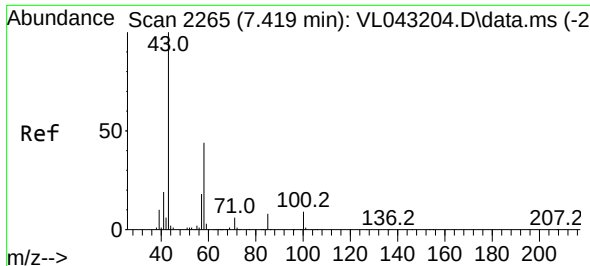
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025



#50
4-Methyl-2-Pentanone
Concen: 8.631 ppbv
RT: 5.742 min Scan# 1747
Delta R.T. 0.010 min
Lab File: VL043211.D
Acq: 18 Nov 2025 13:56

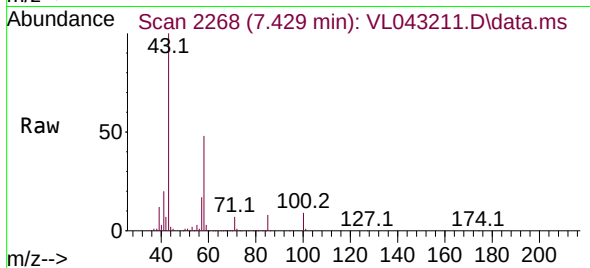
Tgt Ion: 43 Resp: 224791
Ion Ratio Lower Upper
43 100
58 36.0 28.4 42.6





#51
2-Hexanone
Concen: 8.233 ppbv
RT: 7.429 min Scan# 2113
Delta R.T. 0.010 min
Lab File: VL043211.D
Acq: 18 Nov 2025 13:56

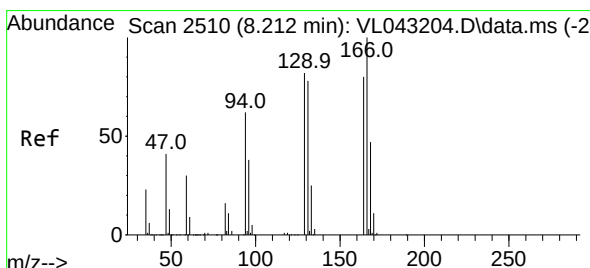
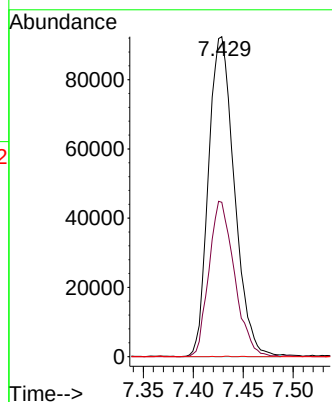
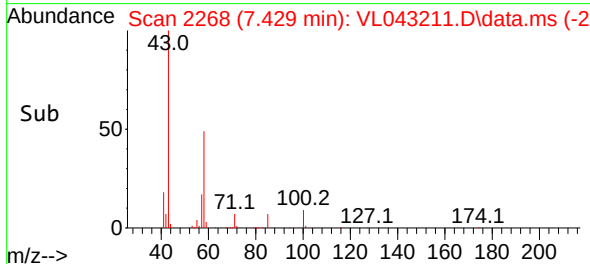
Instrument : MSVOA_L
ClientSampleId : ICVVL111825



Tgt Ion: 43 Resp: 166506
Ion Ratio Lower Upper
43 100
58 47.9 38.4 57.6
98 0.0 0.0 0.0

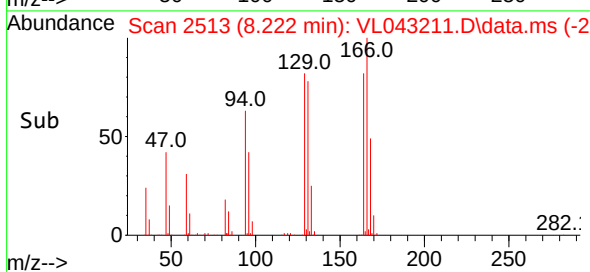
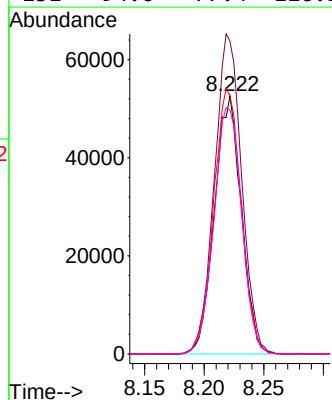
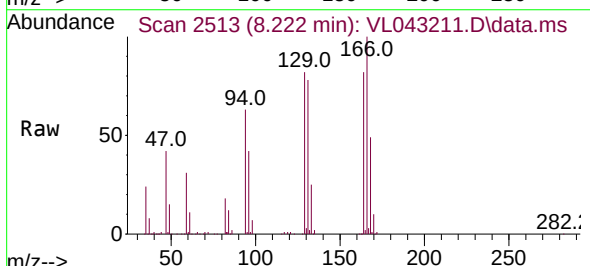
Manual Integrations
APPROVED

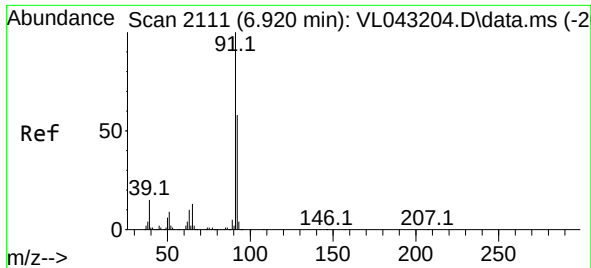
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025



#52
Tetrachloroethene
Concen: 8.884 ppbv
RT: 8.222 min Scan# 2513
Delta R.T. 0.010 min
Lab File: VL043211.D
Acq: 18 Nov 2025 13:56

Tgt Ion:164 Resp: 82890
Ion Ratio Lower Upper
164 100
166 121.3 99.4 149.2
129 100.1 81.8 122.8
131 94.6 77.4 116.2





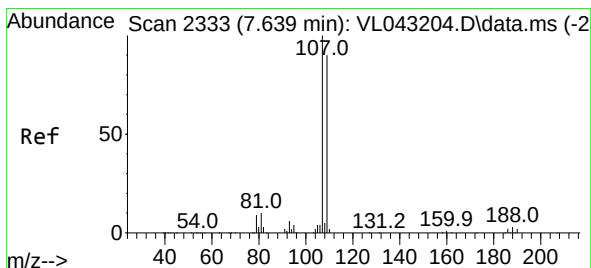
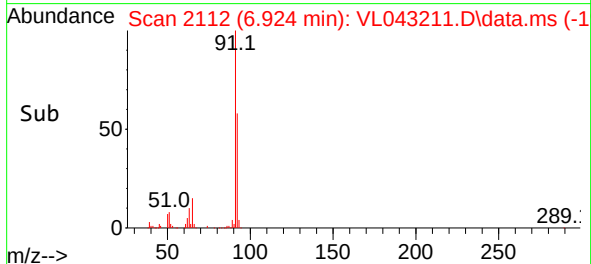
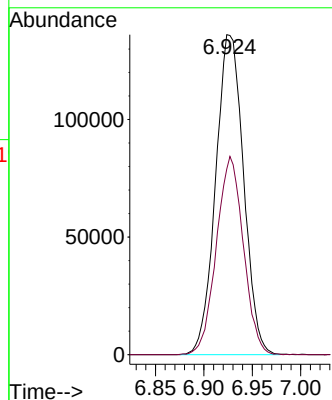
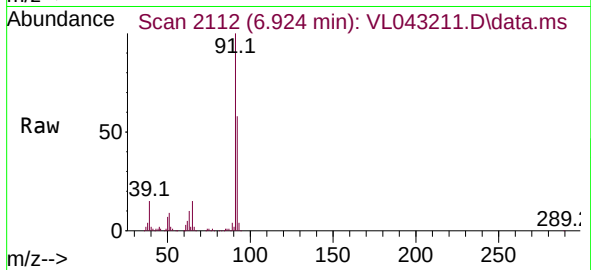
#53
Toluene
Concen: 9.197 ppbv
RT: 6.924 min Scan# 2111
Delta R.T. 0.003 min
Lab File: VL043211.D
Acq: 18 Nov 2025 13:56

Instrument : MSVOA_L
ClientSampleId : ICVVL111825

Tgt Ion: 91 Resp: 273172
Ion Ratio Lower Upper
91 100
92 59.8 47.4 71.0

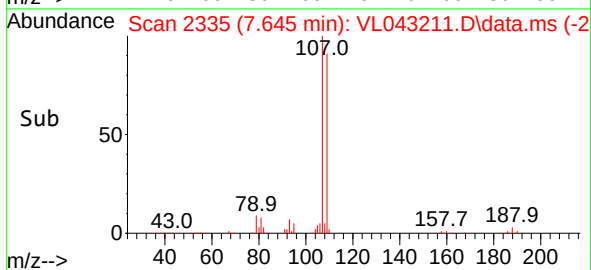
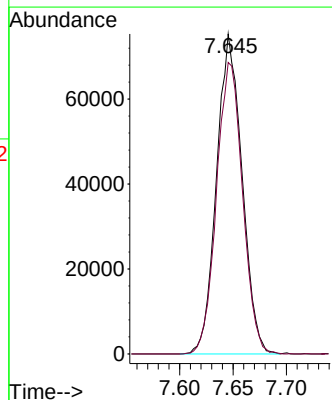
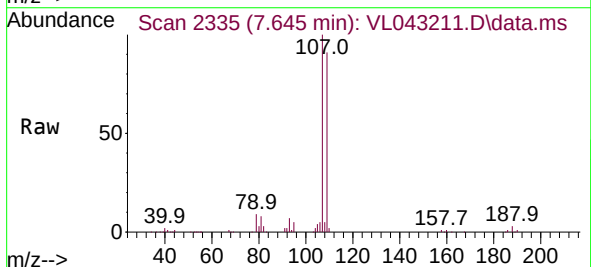
Manual Integrations
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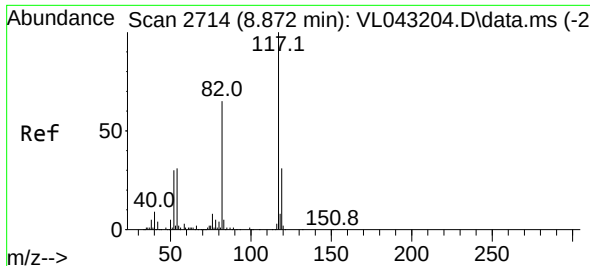
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025



#54
1,2-Dibromoethane
Concen: 8.705 ppbv
RT: 7.645 min Scan# 2335
Delta R.T. 0.006 min
Lab File: VL043211.D
Acq: 18 Nov 2025 13:56

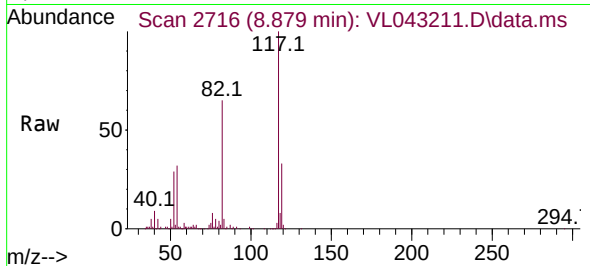
Tgt Ion:107 Resp: 124804
Ion Ratio Lower Upper
107 100
109 91.1 72.1 108.1





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.879 min Scan# 2714
Delta R.T. 0.006 min
Lab File: VL043211.D
Acq: 18 Nov 2025 13:56

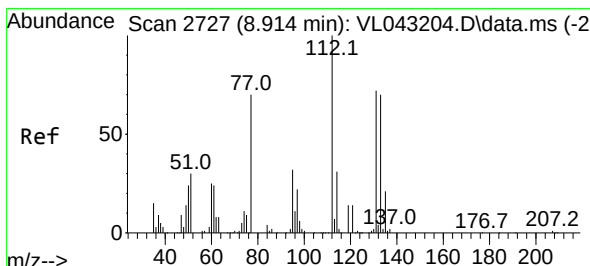
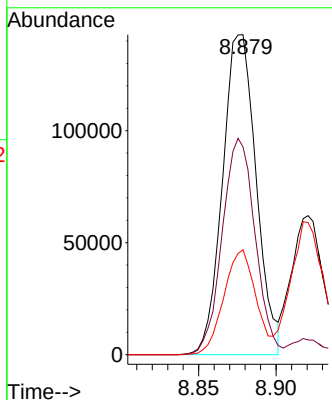
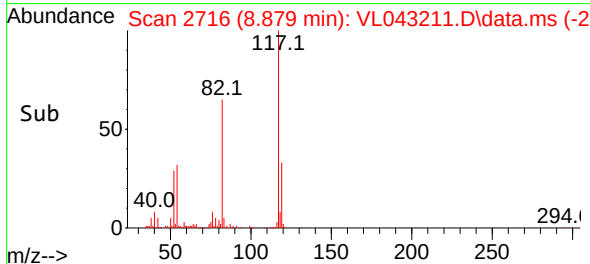
Instrument :
MSVOA_L
ClientSampleId :
ICVVL111825



Tgt Ion:117 Resp: 216212
Ion Ratio Lower Upper
117 100
82 70.6 56.1 84.1
119 32.3 25.0 37.6

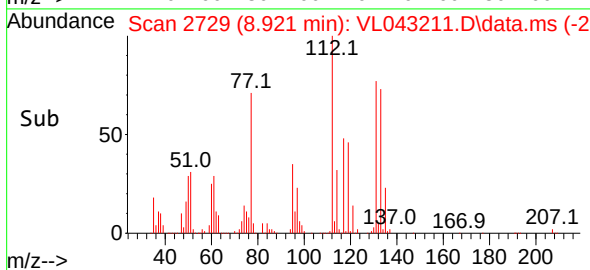
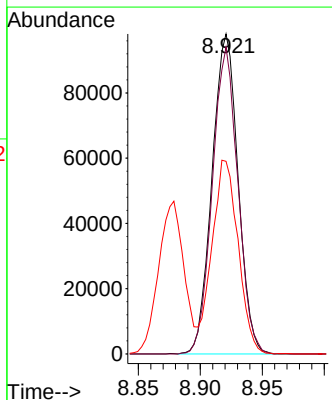
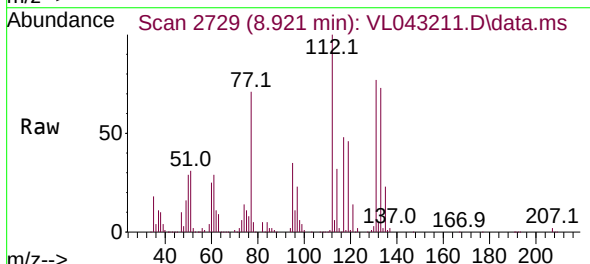
Manual Integrations
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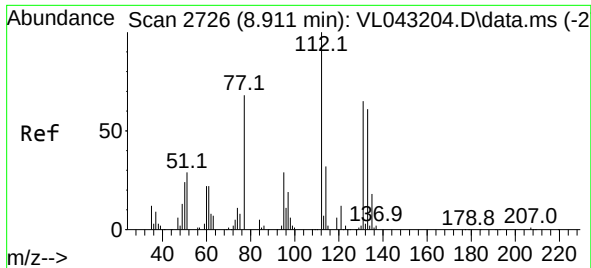
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025



#56
1,1,1,2-Tetrachloroethane
Concen: 8.969 ppbv
RT: 8.921 min Scan# 2729
Delta R.T. 0.006 min
Lab File: VL043211.D
Acq: 18 Nov 2025 13:56

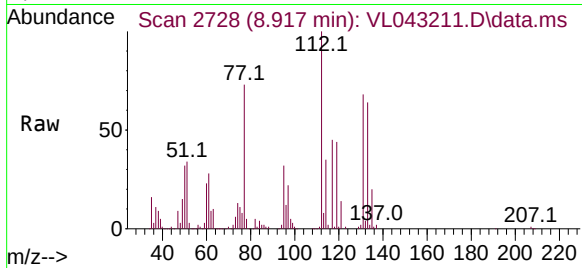
Tgt Ion:131 Resp: 142512
Ion Ratio Lower Upper
131 100
133 94.3 77.4 116.2
119 61.9 49.1 73.7





#57
Chlorobenzene
Concen: 8.981 ppbv
RT: 8.917 min Scan# 21
Delta R.T. 0.006 min
Lab File: VL043211.D
Acq: 18 Nov 2025 13:56

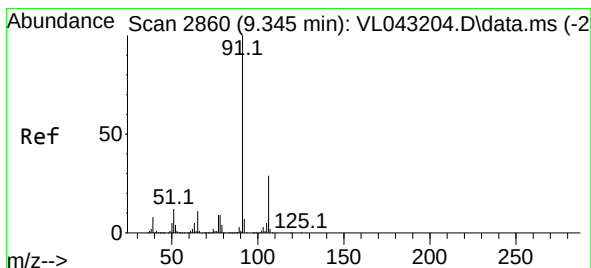
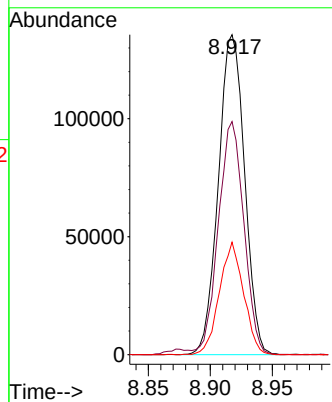
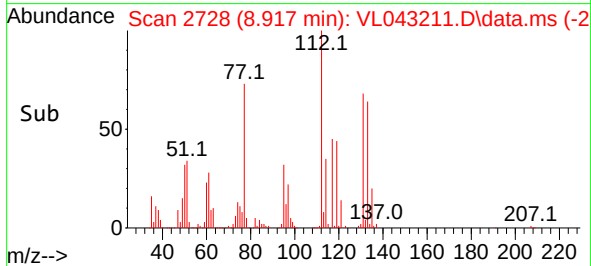
Instrument :
MSVOA_L
ClientSampleId :
ICVVL111825



Tgt Ion: 112 Resp: 199373
Ion Ratio Lower Upper
112 100
77 72.7 55.5 83.3
114 35.1 29.1 35.5

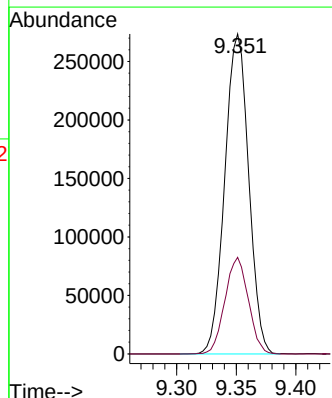
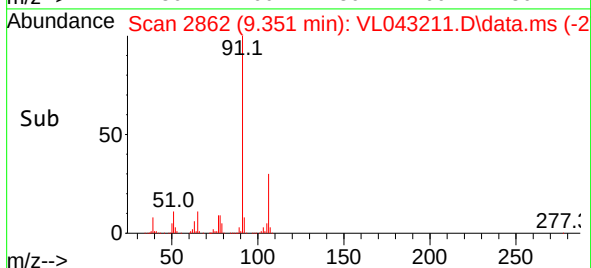
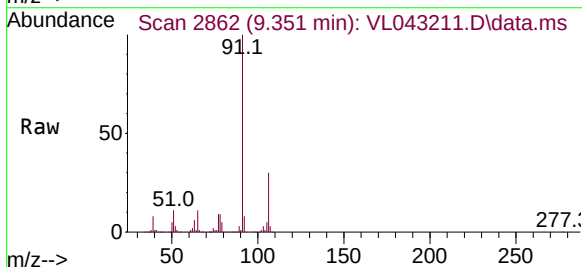
Manual Integrations
APPROVED

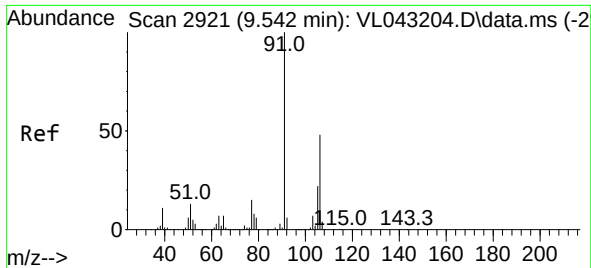
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025



#58
Ethyl Benzene
Concen: 9.167 ppbv
RT: 9.351 min Scan# 2862
Delta R.T. 0.006 min
Lab File: VL043211.D
Acq: 18 Nov 2025 13:56

Tgt Ion: 91 Resp: 381474
Ion Ratio Lower Upper
91 100
106 30.2 22.8 34.2





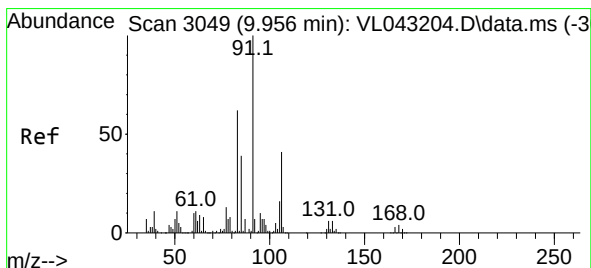
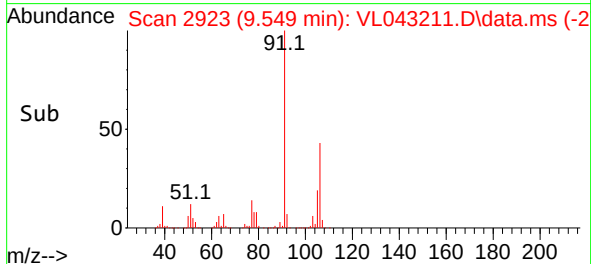
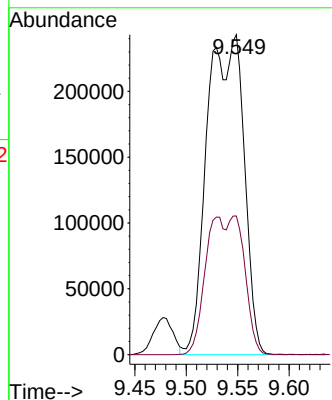
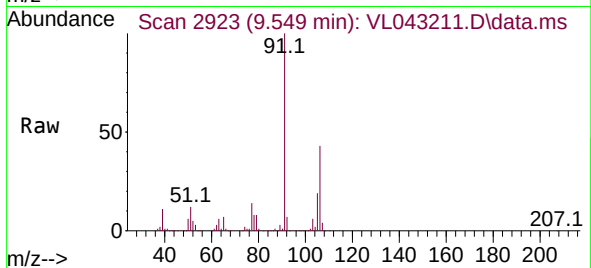
#59
m/p-Xylene
Concen: 18.108 ppbv m
RT: 9.549 min Scan# 29
Delta R.T. 0.006 min
Lab File: VL043211.D
Acq: 18 Nov 2025 13:56

Instrument :
MSVOA_L
ClientSampleId :
ICVVL111825

Tgt Ion: 91 Resp: 604165
Ion Ratio Lower Upper
91 100
106 44.8 36.1 54.1

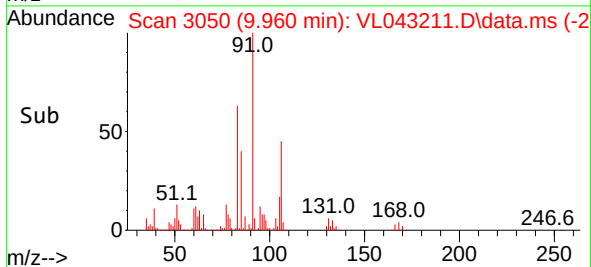
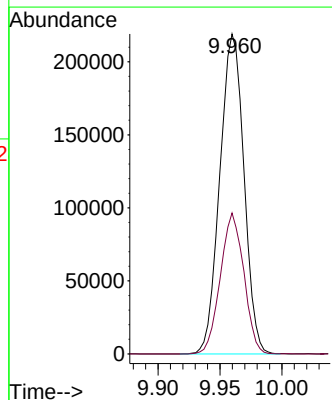
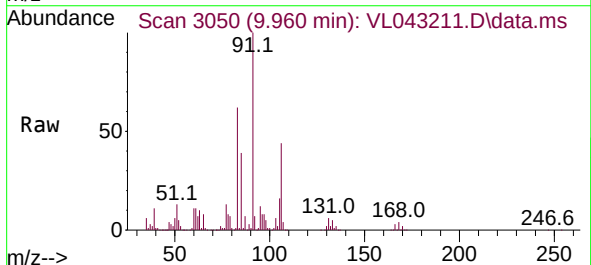
Manual Integrations
APPROVED

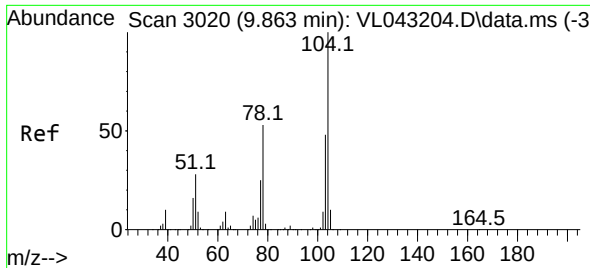
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025



#60
o-Xylene
Concen: 8.876 ppbv
RT: 9.960 min Scan# 3050
Delta R.T. 0.003 min
Lab File: VL043211.D
Acq: 18 Nov 2025 13:56

Tgt Ion: 91 Resp: 295836
Ion Ratio Lower Upper
91 100
106 42.8 20.9 62.8





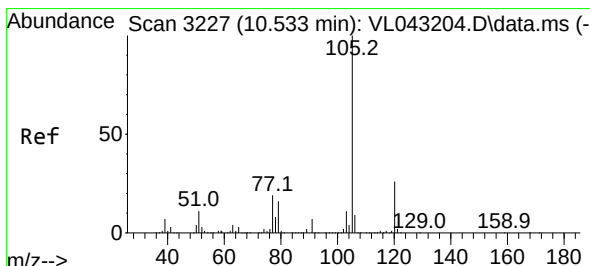
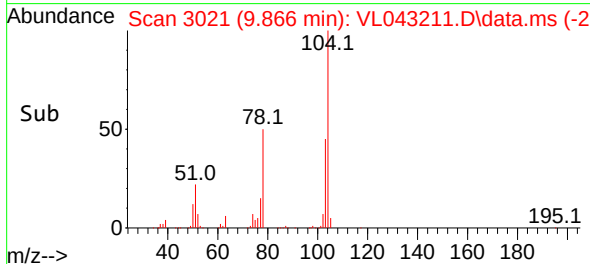
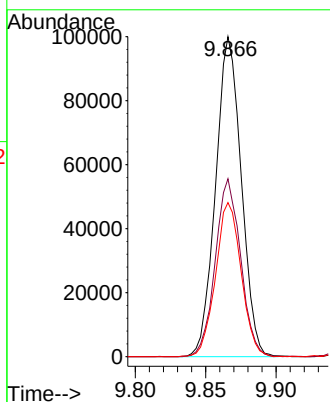
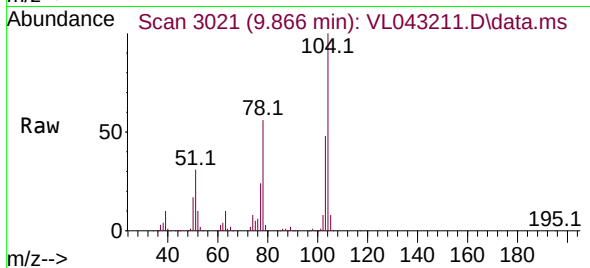
#61
Styrene
Concen: 8.714 ppbv
RT: 9.866 min Scan# 3020
Delta R.T. 0.003 min
Lab File: VL043211.D
Acq: 18 Nov 2025 13:56

Instrument : MSVOA_L
ClientSampleId : ICVVL111825

Tgt Ion:104 Resp: 127117
Ion Ratio Lower Upper
104 100
78 54.7 42.1 63.1
103 48.0 37.2 55.8

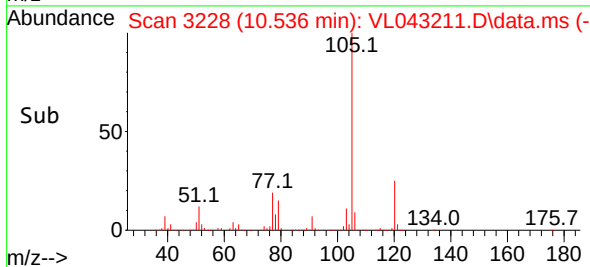
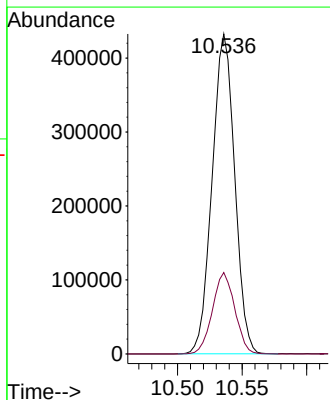
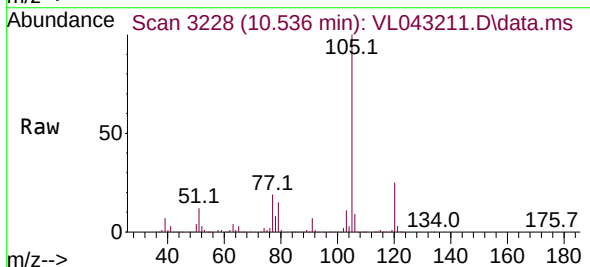
Manual Integrations
APPROVED

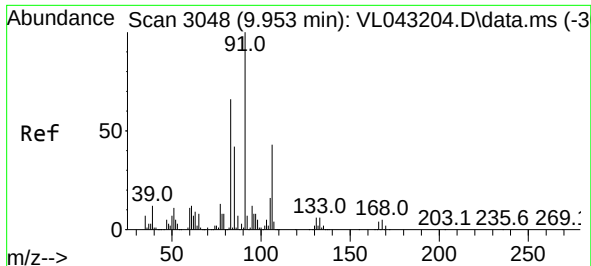
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025



#62
Isopropylbenzene
Concen: 8.816 ppbv
RT: 10.536 min Scan# 3228
Delta R.T. 0.003 min
Lab File: VL043211.D
Acq: 18 Nov 2025 13:56

Tgt Ion:105 Resp: 525717
Ion Ratio Lower Upper
105 100
120 25.1 19.8 29.8





#63

1,1,2,2-Tetrachloroethane

Concen: 8.421 ppbv

RT: 9.960 min Scan# 3048

Delta R.T. 0.006 min

Lab File: VL043211.D

Acq: 18 Nov 2025 13:56

Instrument :

MSVOA_L

ClientSampleId :

ICVVL111825

Tgt Ion: 83 Resp: 17859

Ion Ratio Lower Upper

83 100

131 9.6 4.8 14.3

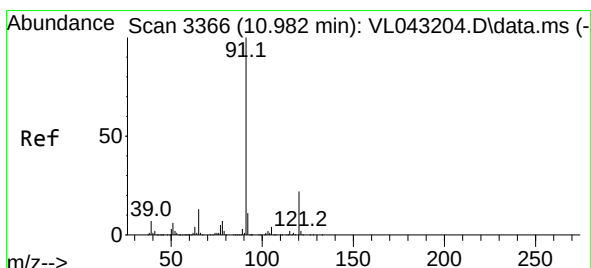
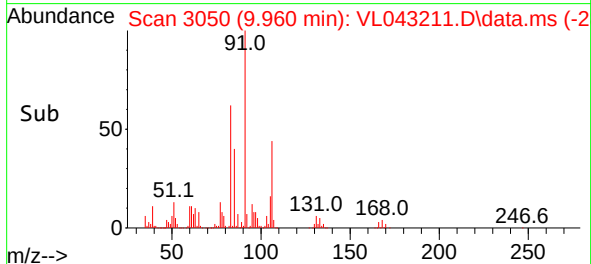
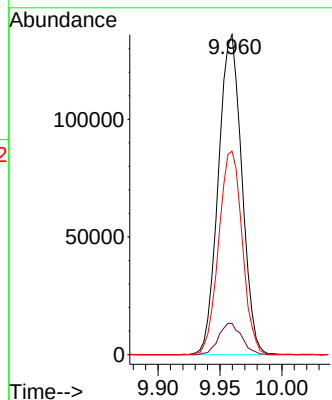
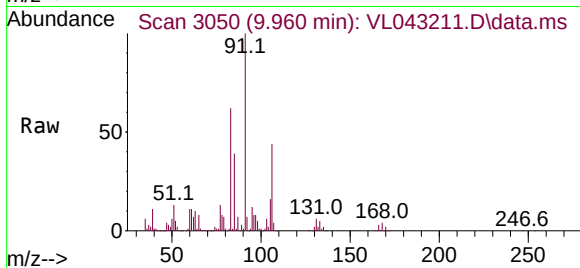
85 63.9 31.9 95.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/19/2025

Supervised By :Mahesh Dadoda 11/19/2025



#64

n-propylbenzene

Concen: 8.591 ppbv

RT: 10.986 min Scan# 3367

Delta R.T. 0.003 min

Lab File: VL043211.D

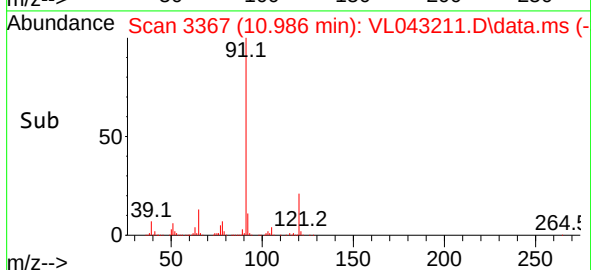
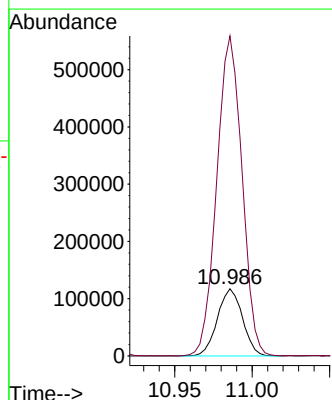
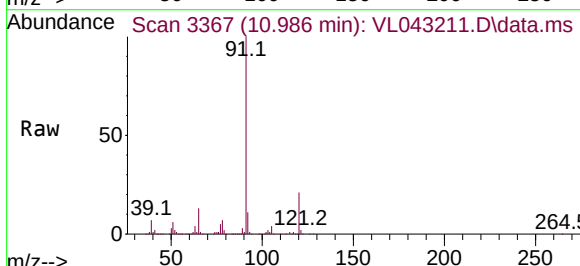
Acq: 18 Nov 2025 13:56

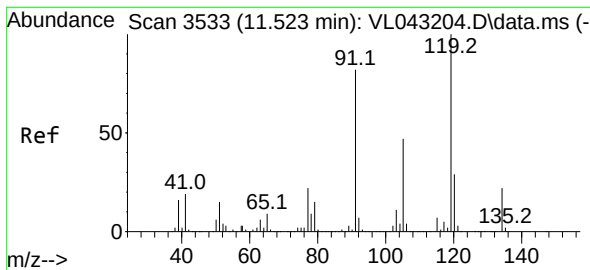
Tgt Ion:120 Resp: 131634

Ion Ratio Lower Upper

120 100

91 482.2 377.1 565.7





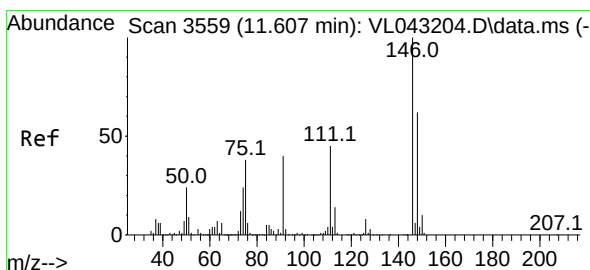
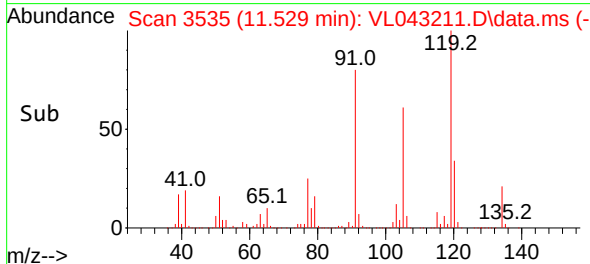
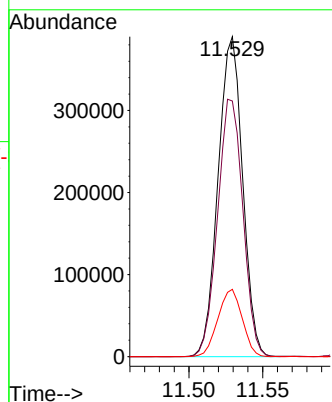
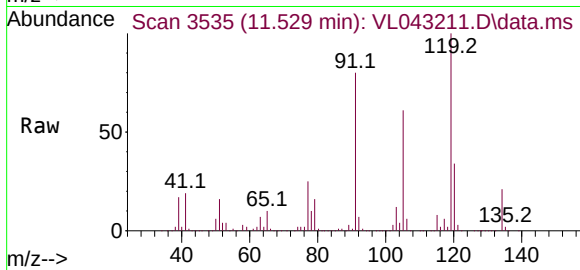
#65
tert-Butylbenzene
Concen: 8.465 ppbv
RT: 11.529 min Scan# 3533
Delta R.T. 0.006 min
Lab File: VL043211.D
Acq: 18 Nov 2025 13:56

Instrument :
MSVOA_L
ClientSampleId :
ICVVL111825

Tgt Ion:119 Resp: 450819
Ion Ratio Lower Upper
119 100
91 83.0 65.3 97.9
134 20.8 17.0 25.4

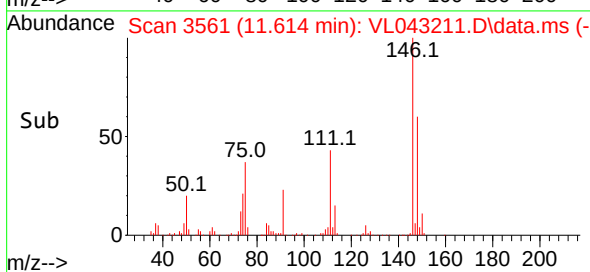
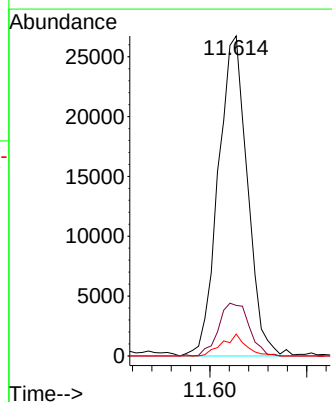
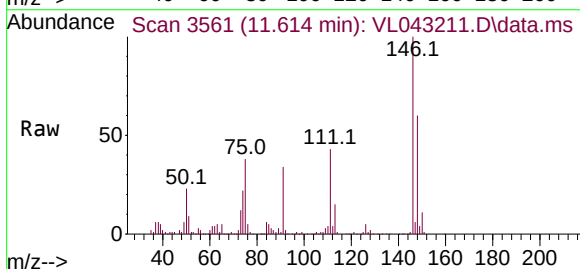
Manual Integrations
APPROVED

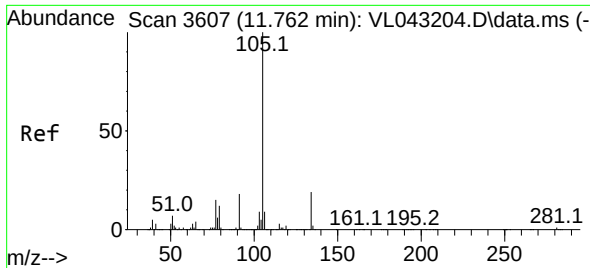
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025



#66
Benzyl Chloride
Concen: 5.159 ppbv
RT: 11.614 min Scan# 3561
Delta R.T. 0.006 min
Lab File: VL043211.D
Acq: 18 Nov 2025 13:56

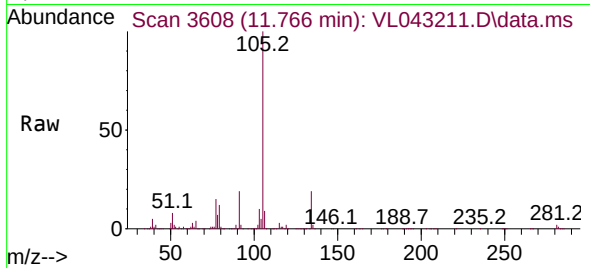
Tgt Ion: 91 Resp: 27878
Ion Ratio Lower Upper
91 100
126 17.3 14.4 21.6
128 5.6 4.6 6.8





#67
 sec-Butylbenzene
 Concen: 8.388 ppbv
 RT: 11.766 min Scan# 3608
 Delta R.T. 0.003 min
 Lab File: VL043211.D
 Acq: 18 Nov 2025 13:56

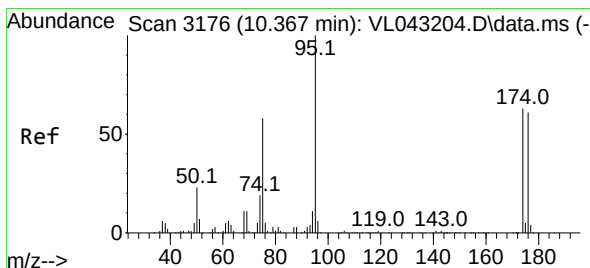
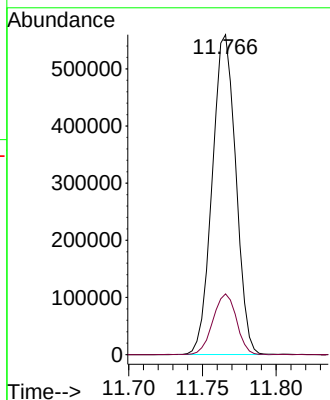
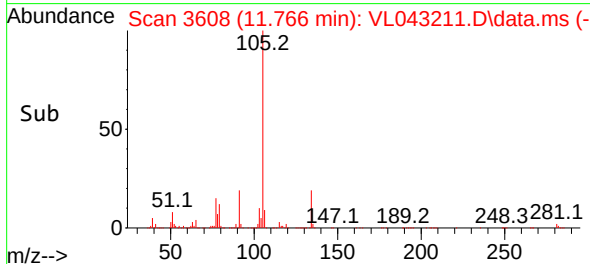
Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL111825



Tgt Ion: 105 Resp: 623520
 Ion Ratio Lower Upper
 105 100
 134 19.0 15.0 22.6

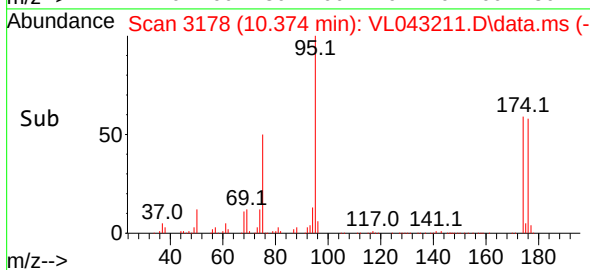
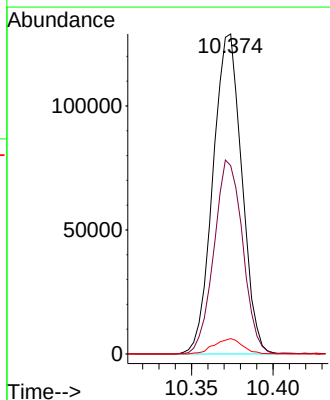
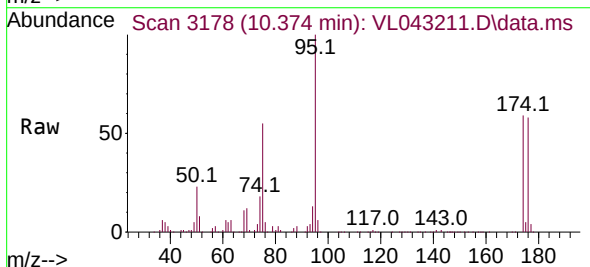
Manual Integrations
 APPROVED

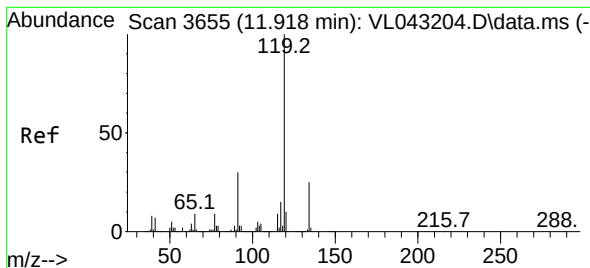
Reviewed By :Semsettin Yesilyurt 11/19/2025
 Supervised By :Mahesh Dadoda 11/19/2025



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.048 ppbv
 RT: 10.374 min Scan# 3178
 Delta R.T. 0.006 min
 Lab File: VL043211.D
 Acq: 18 Nov 2025 13:56

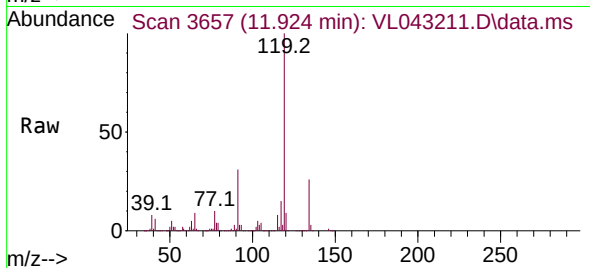
Tgt Ion: 95 Resp: 159242
 Ion Ratio Lower Upper
 95 100
 174 60.4 50.2 75.2
 175 4.7 4.1 6.1





#69
p-Isopropyltoluene
Concen: 8.272 ppbv
RT: 11.924 min Scan# 3657
Delta R.T. 0.006 min
Lab File: VL043211.D
Acq: 18 Nov 2025 13:56

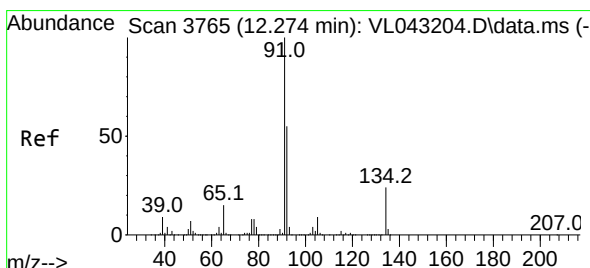
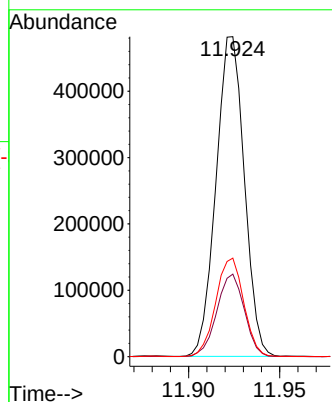
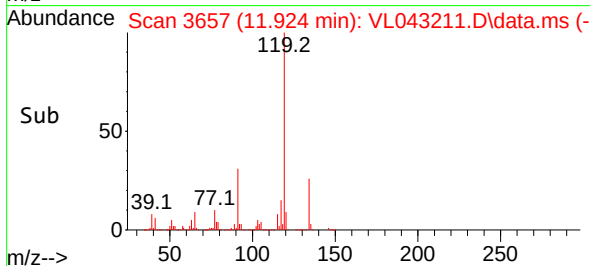
Instrument :
MSVOA_L
ClientSampleId :
ICVVL111825



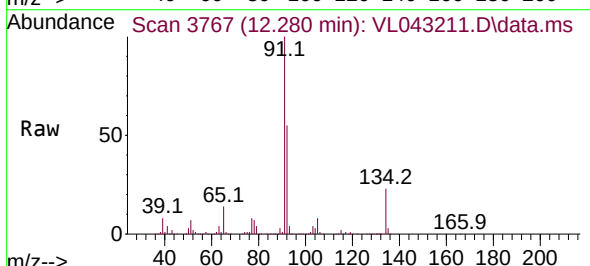
Tgt Ion: 119 Resp: 520880
Ion Ratio Lower Upper
119 100
134 25.2 20.2 30.2
91 30.6 23.8 35.8

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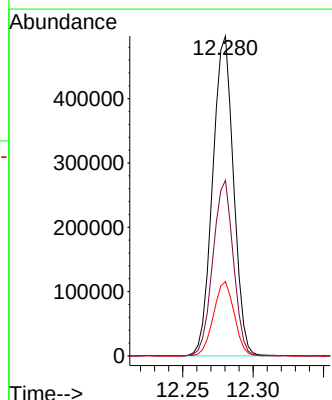
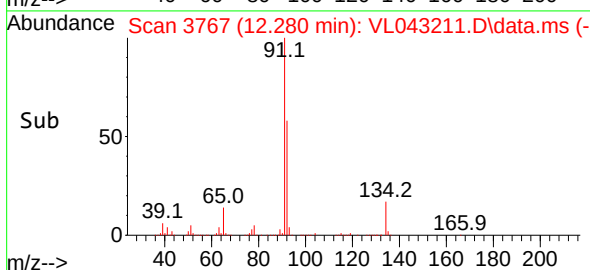
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

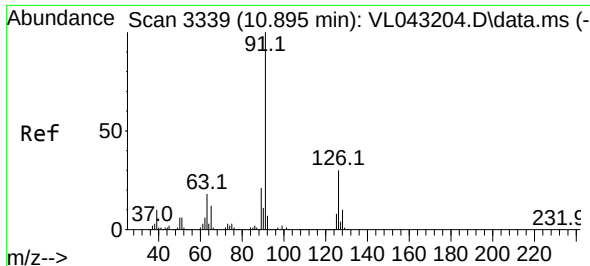


#70
n-Butylbenzene
Concen: 8.398 ppbv
RT: 12.280 min Scan# 3767
Delta R.T. 0.006 min
Lab File: VL043211.D
Acq: 18 Nov 2025 13:56



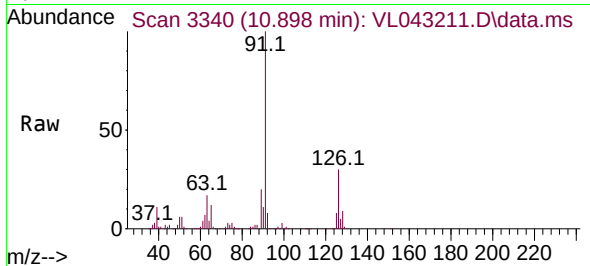
Tgt Ion: 91 Resp: 513027
Ion Ratio Lower Upper
91 100
92 54.0 43.5 65.3
134 23.1 19.0 28.6





#71
2-Chlorotoluene
Concen: 8.649 ppbv
RT: 10.898 min Scan# 3339
Delta R.T. 0.003 min
Lab File: VL043211.D
Acq: 18 Nov 2025 13:56

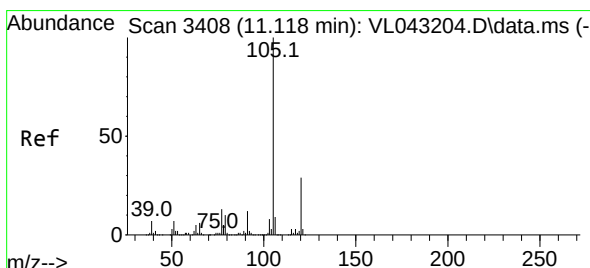
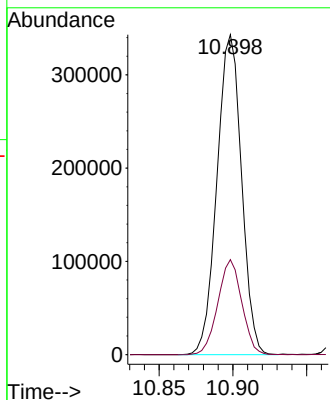
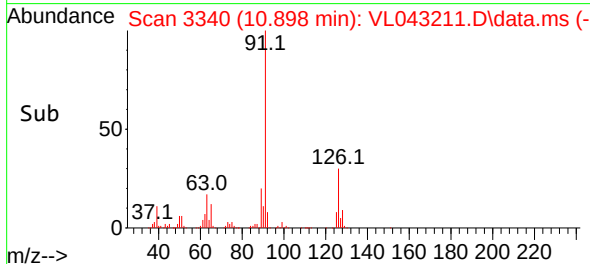
Instrument :
MSVOA_L
ClientSampleId :
ICVVL111825



Tgt Ion: 91 Resp: 396434
Ion Ratio Lower Upper
91 100
126 28.9 11.7 46.7

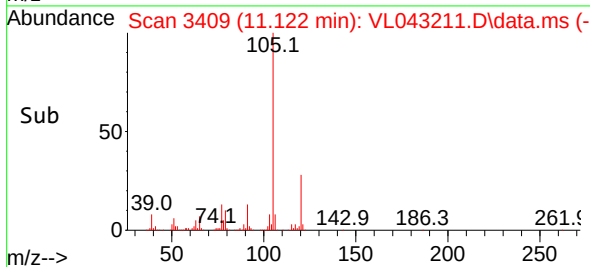
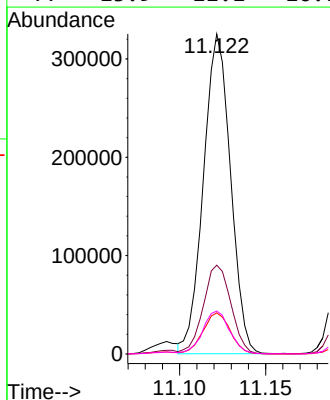
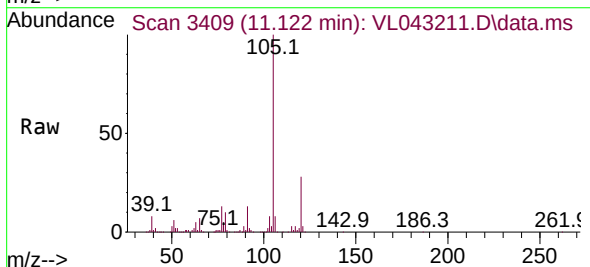
Manual Integrations
APPROVED

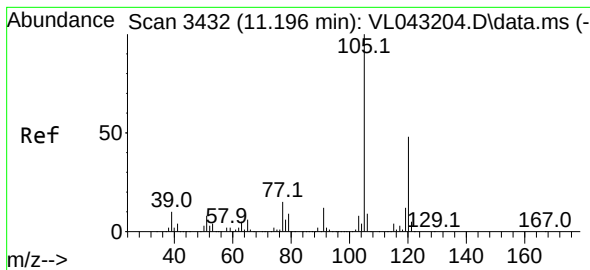
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025



#72
4-Ethyltoluene
Concen: 8.779 ppbv
RT: 11.122 min Scan# 3409
Delta R.T. 0.003 min
Lab File: VL043211.D
Acq: 18 Nov 2025 13:56

Tgt Ion:105 Resp: 356325
Ion Ratio Lower Upper
105 100
120 29.3 23.8 35.8
91 13.5 10.3 15.5
77 13.9 11.1 16.7





#73

1,3,5-Trimethylbenzene

Concen: 8.660 ppbv

RT: 11.199 min Scan# 3432

Delta R.T. 0.003 min

Lab File: VL043211.D

Acq: 18 Nov 2025 13:56

Instrument :

MSVOA_L

ClientSampleId :

ICVVL111825

Tgt Ion:105 Resp: 294972

Ion Ratio Lower Upper

105 100

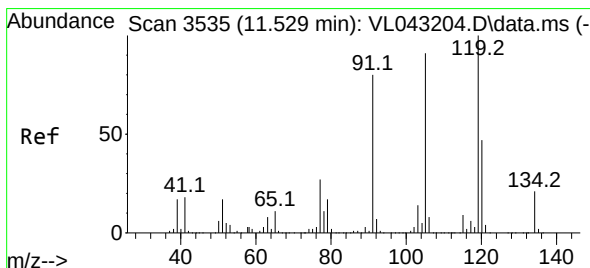
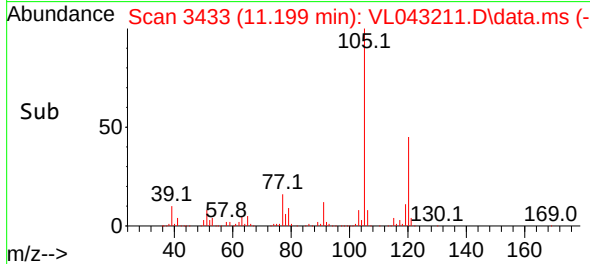
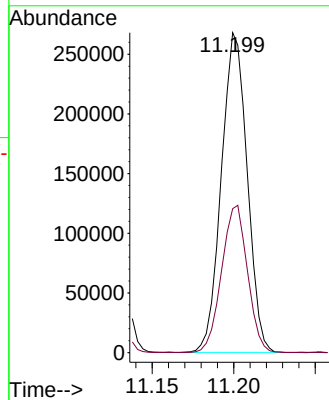
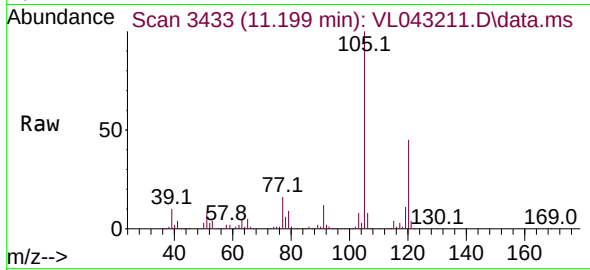
120 45.0 38.6 57.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/19/2025

Supervised By :Mahesh Dadoda 11/19/2025



#74

1,2,4-Trimethylbenzene

Concen: 8.463 ppbv

RT: 11.533 min Scan# 3536

Delta R.T. 0.003 min

Lab File: VL043211.D

Acq: 18 Nov 2025 13:56

Tgt Ion:105 Resp: 314606

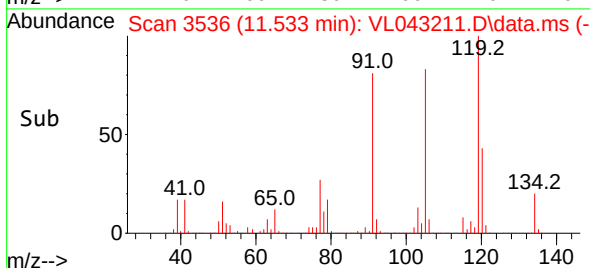
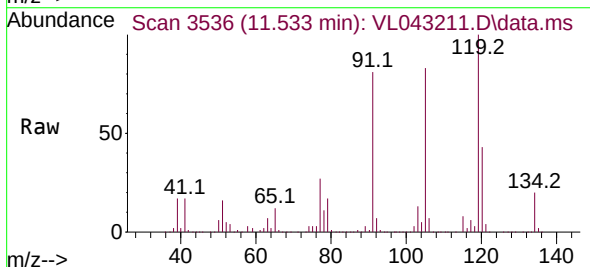
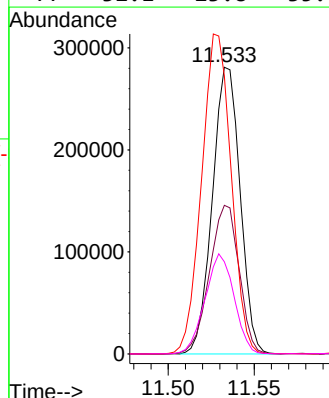
Ion Ratio Lower Upper

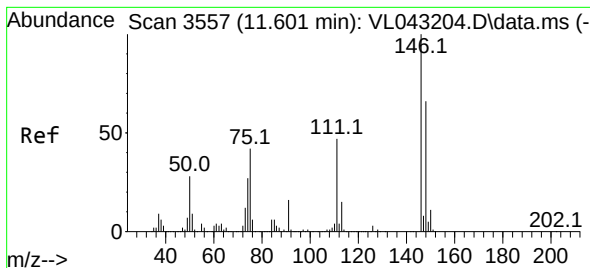
105 100

120 51.8 41.7 62.5

91 96.9 70.0 105.0

77 32.1 23.8 35.8





#75

1,3-Dichlorobenzene

Concen: 8.320 ppbv

RT: 11.604 min Scan# 3557

Delta R.T. 0.003 min

Lab File: VL043211.D

Acq: 18 Nov 2025 13:56

Instrument :

MSVOA_L

ClientSampleId :

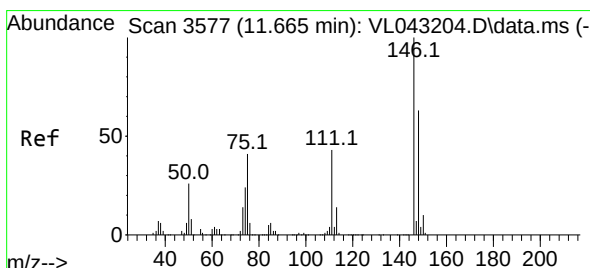
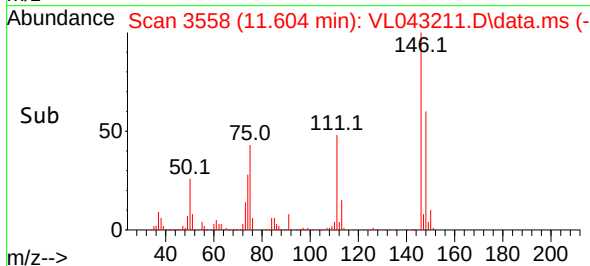
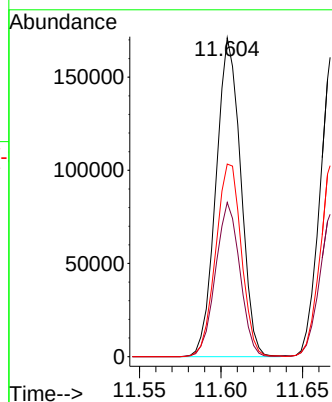
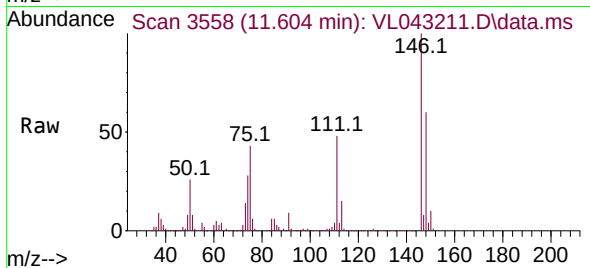
ICVVL111825

Tgt Ion:	146	Resp:	180491
Ion Ratio	Lower	Upper	
146	100		
111	47.7	23.4	70.3
148	62.7	31.6	95.0

Manual Integrations

APPROVED

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



#76

1,4-Dichlorobenzene

Concen: 8.273 ppbv

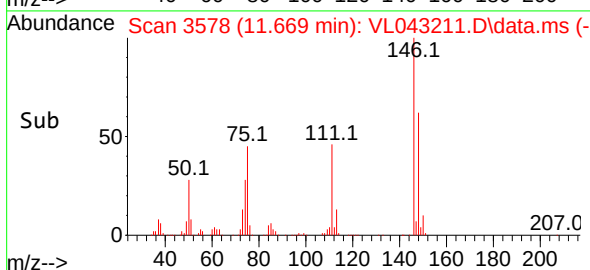
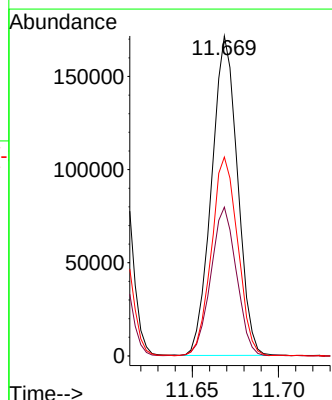
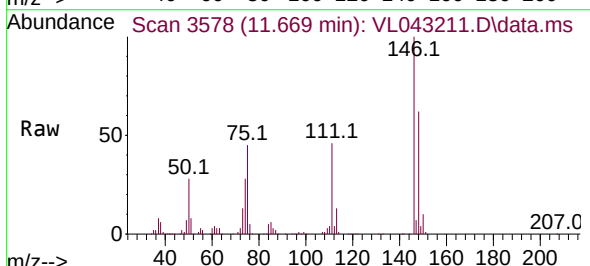
RT: 11.669 min Scan# 3578

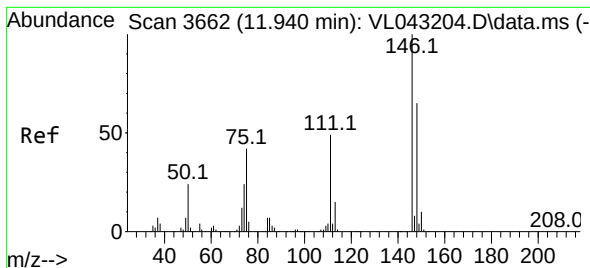
Delta R.T. 0.003 min

Lab File: VL043211.D

Acq: 18 Nov 2025 13:56

Tgt Ion:	146	Resp:	179491
Ion Ratio	Lower	Upper	
146	100		
111	46.3	22.8	68.3
148	63.4	31.8	95.4





#77

1,2-Dichlorobenzene

Concen: 7.966 ppbv

RT: 11.944 min Scan# 3662

Delta R.T. 0.003 min

Lab File: VL043211.D

Acq: 18 Nov 2025 13:56

Instrument :

MSVOA_L

ClientSampleId :

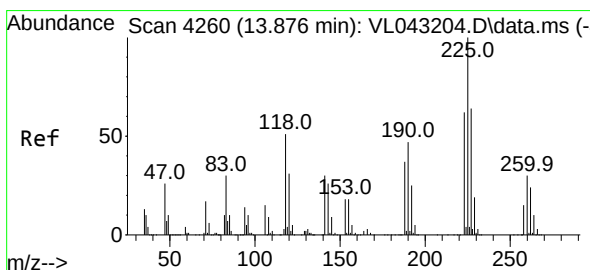
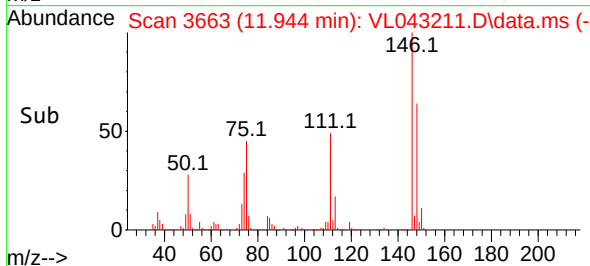
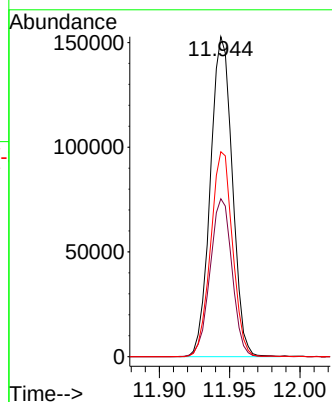
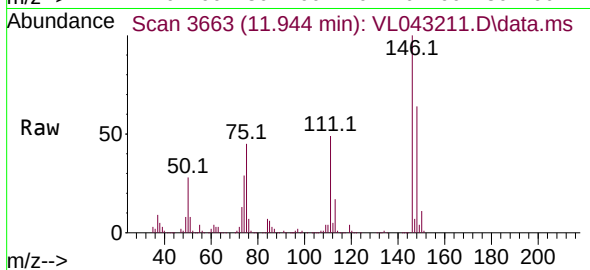
ICVVL111825

Tgt Ion:	146	Resp:	16613
Ion Ratio	Lower	Upper	
146	100		
111	49.2	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: 7.222 ppbv

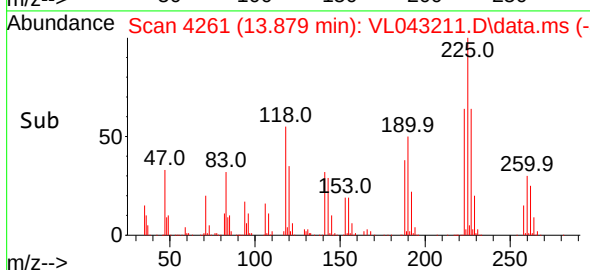
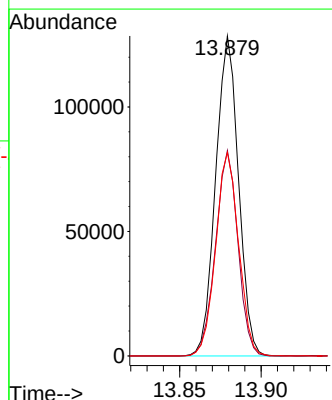
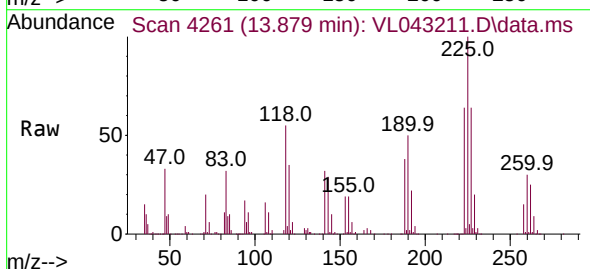
RT: 13.879 min Scan# 4261

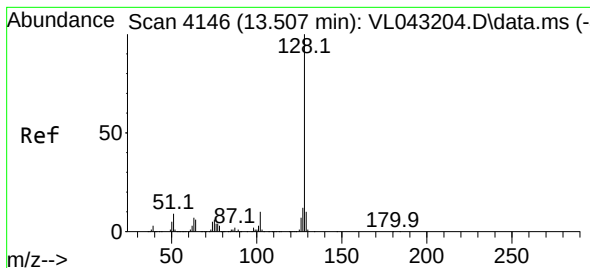
Delta R.T. 0.003 min

Lab File: VL043211.D

Acq: 18 Nov 2025 13:56

Tgt Ion:	225	Resp:	125707
Ion Ratio	Lower	Upper	
225	100		
223	62.7	50.2	75.4
227	63.7	51.1	76.7





#79

Naphthalene

Concen: 8.270 ppbv

RT: 13.510 min Scan# 4146

Delta R.T. 0.003 min

Lab File: VL043211.D

Acq: 18 Nov 2025 13:56

Instrument :

MSVOA_L

ClientSampleId :

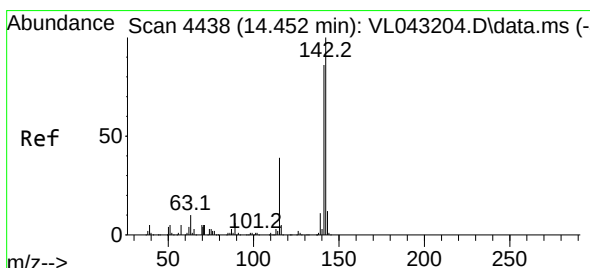
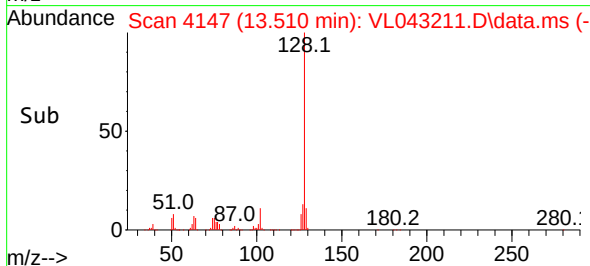
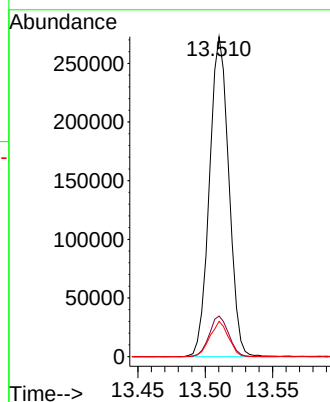
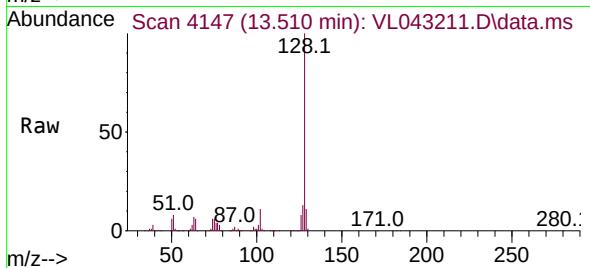
ICVVL111825

Tgt Ion:128 Resp: 273029
 Ion Ratio Lower Upper
 128 100
 127 12.7 9.9 14.9
 129 11.0 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: 8.631 ppbv

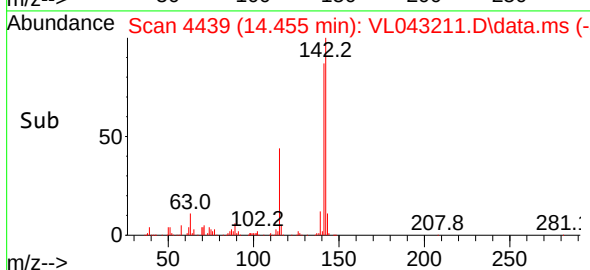
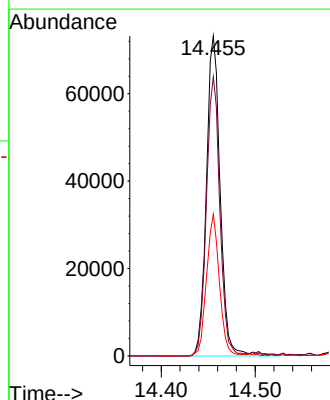
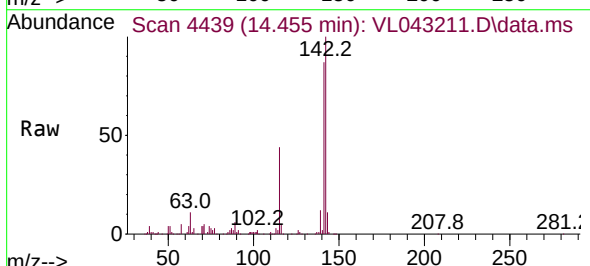
RT: 14.455 min Scan# 4439

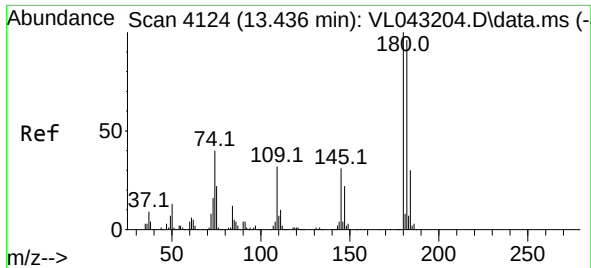
Delta R.T. 0.003 min

Lab File: VL043211.D

Acq: 18 Nov 2025 13:56

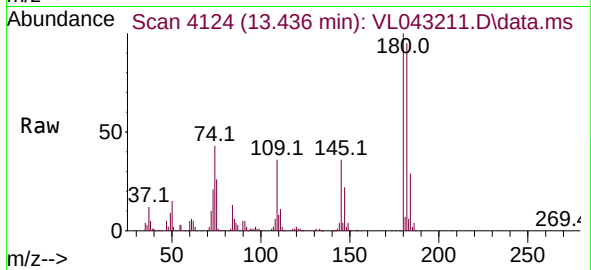
Tgt Ion:142 Resp: 74802
 Ion Ratio Lower Upper
 142 100
 141 86.8 67.1 100.7
 115 41.7 31.9 47.9





#81
 1,2,4-Trichlorobenzene
 Concen: 8.497 ppbv
 RT: 13.436 min Scan# 4124
 Delta R.T. 0.000 min
 Lab File: VL043211.D
 Acq: 18 Nov 2025 13:56

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL111825



Tgt Ion:180 Resp: 125476
 Ion Ratio Lower Upper
 180 100
 182 96.1 77.4 116.2
 184 30.9 24.2 36.4

Manual Integrations
 APPROVED

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

